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Trade-Marks	5—No.	443,654 to No.	443,658, inclusive
T. M. (Act of 1946)	166—No.	519,384 to No.	519,549, inclusive
T. M. Renewals	60		
Reissues	1—No.	23,186	
Plant Patents	1—No.	911	
Patents	791—No.	2,492,944 to No.	2,493,734, inclusive
Designs	116—No.	156,686 to No.	156,801, inclusive
Total	1,140		

Patents expiring: Patent Numbers 1,892,663 to 1,893,480, inclusive, issued January 3, 1933, expire January 3, 1950

Condition of Applications Under Examination at Close of Business Dec. 16, 1949

Total number of patent applications awaiting action, 140,429. Date of oldest new application, January 30, 1948; date of oldest amended application, October 13, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	2-4-49	4-6-48	2630
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	9-25-48	1-9-48	2527
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	6-16-49	6-16-49	751
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	9-17-48	11-22-47	2827
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	3-25-49	5-26-48	1551
6. SURLE, H., Carbon Chemistry (part)	3-21-49	1-19-49	1530
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	4-14-49	3-29-49	1198
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-15-48	2-9-48	2895
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-6-48	3-18-48	2285
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	3-8-49	12-10-48	1306
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	12-16-48	6-4-48	2012
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-15-49	3-18-48	1742
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	4-15-48	5-12-48	1850
14. MANIAN, JOSEPH C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	3-7-49	12-1-48	1218
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-11-49	10-26-48	1685
16. LOVEWELL, N. N., Television; Telephony	3-18-49	10-15-48	1128
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	7-17-48	1-6-48	2277
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	11-13-48	3-22-48	2490
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-25-49	8-2-48	1538
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	12-30-48	4-12-48	1968
21. MADER, R. C., Textiles	10-1-48	9-8-48	1440
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	5-24-48	5-6-48	1351
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-31-49	10-1-48	950
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	1-8-49	1-12-49	2490
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-25-49	8-13-48	1676
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	3-24-49	2-15-49	985
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	7-24-48	12-9-47	3190
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	3-1-49	8-2-48	1841
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	3-24-48	3-28-48	3121
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	4-12-49	4-8-49	1748
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-20-49	4-15-49	2059
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-26-49	11-19-48	1709
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	7-8-48	4-12-48	4020
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	11-15-48	8-25-48	1171
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	11-8-48	11-14-47	2314
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-16-48	1-23-48	1942
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-29-49	8-12-48	1165
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	2-24-49	1-5-49	1581
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	3-8-49	1-9-48	2013
40. DRUMMOND, E. J., Receptacles (part); Packages	3-11-49	6-11-48	3320
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-14-48	2-2-48	2168
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	9-18-48	4-19-48	2211
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers.	3-17-49	1-22-49	1064
44. HARVEY, L. P., Beds; Chairs, Seats	6-18-48	1-10-48	2008
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	2-17-49	7-8-48	2393
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-26-48	4-14-48	1574

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 140,429. Date of oldest new application, January 30, 1948; date of oldest amended application, October 13, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	2-24-49	9-9-48	2095
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	3-17-49	7-7-48	1358
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	9-13-48	5-15-48	2143
50. LEVIN, SAMUEL, Synthetic Resins	5-2-49	2-18-48	1776
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-19-49	12-2-48	1430
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	10-7-48	4-1-48	3665
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	1-17-49	8-2-48	1783
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-18-49	9-29-48	1156
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	3-17-49	1-4-49	1513
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	3-18-49	12-17-48	1929
57. MIELER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	3-1-49	4-2-48	1967
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	12-10-48	4-9-48	1795
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	2-28-49	11-23-48	1175
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-29-49	11-15-48	996
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	1-30-48	1-19-48	2574
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-17-49	6-1-48	2600
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	1-12-49	1-4-49	2080
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-11-49	5-10-49	1602
65. GLEICHMAN, W. C. (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	3-21-49	7-23-48	2097
66. LISANN, I., Geometrical Instruments	9-10-48	10-13-47	1694
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-16-49	11-2-48	1648
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	4-21-49	2-4-49	1323
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	3-22-49	4-6-48	2102
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-14-49	10-28-48	2010
DESIGNS: BREHM, G. L.	5-15-48	5-18-49	5914

Total number of trade-mark applications awaiting action (including renewals and republications), 27,069. Date of oldest new application, Oct. 25, 1948; date of oldest amended application, Sept. 15, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	12-6-48	1-7-49	4705
2. KASCHUB, H. E., Class 46	1-6-49	10-23-48	3812
3. SUMMERS, G. S., Classes 21, 28, 38	11-12-48	5-6-49	3221
4. BARR, E., Classes 2, 7, 39, 40, 41, 42, 43	10-25-48	11-12-48	4320
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-3-48	1-3-49	3388
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 29, 30, 34, 35	1-26-49	3-23-49	3654
7. KEYS, C. M., Classes 2, 16, 19, 36, 55	1-8-49	9-15-48	2970
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-14-49 / 10-17-49	10-25-49 / 10-25-49	473 / 526

NOTICES

Examination

In accordance with the provisions of Rule 341(c) of the new Rules of Practice, an examination for candidates applying for registration to practice before the United States Patent Office as patent attorneys or agents will be held on Monday, March 27, 1950.

This examination will be given under the supervision of the Civil Service Commission, and may be taken in any of the cities of the country in which the Civil Service Commission regularly conducts examinations. Applications to take the examination must be directed to the Commissioner of Patents and filed in the Patent Office not later than March 1, 1950.

Application blanks may be obtained from the Clerk of the Patent Office Committee on Enrollment, Room 1859, Department of Commerce Building.

THOMAS F. MURPHY,
Dec. 16, 1949. *Chairman, Committee on Enrollment.*

Adjudicated Patents

(C. A. Calif.) Granat Patent No. 2,059,228, for a locked ring ensemble, *Held* invalid. *Gomes* v. *Granat Bros.*, 177 F.2d 266; 83 USPQ 197.

(D. C. Mo.) Holden Patent No. 2,224,433, for an air current deflector, *Held* valid and infringed. *Blake Mfg. Co.* v. *Martin Products Co.*, 86 F. Supp. 601.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,384,505, C. L. Thomas and V. Haensel, Treatment of hydrocarbons, decided Sept. 16, 1949, claim 1.

Pat. 2,408,423, R. V. L. Hartley, High frequency amplifying apparatus, decided Sept. 26, 1949, claim 3.

Pat. 2,470,746, H. B. Schultz, Valve, decided Dec. 8, 1949, claims 1, 2, 3, 4, and 5.

Pat. 2,359,970, R. U. Clark, Porous condenser electrode, decided Dec. 3, 1948, claims 1, 3, and 5.

Disclaimers

2,359,970.—*Richard U. Clark*, Fort Wayne, Ind. POROUS CONDENSER ELECTRODE. Patent dated Oct. 10, 1944. Disclaimer filed Dec. 2, 1949, by the assignee, *The Magnavox Company*.

Hereby enters this disclaimer to claims 1, 3, and 5 of said patent.

2,367,394.—*Francis Tedman Griffiths*, Gravesend, Kent, England. EXTRUSION MACHINE. Patent dated Jan. 16, 1945. Disclaimer filed Dec. 12, 1949, by the assignee, *W. T. Henley's Telegraph Works Company Limited*.

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,414,477.—*Larned A. Meacham*, Summit, N. J. INDICATING APPARATUS. Patent dated Jan. 21, 1947. Disclaimer filed Nov. 18, 1949, by the assignee, *Bell Telephone Laboratories, Incorporated*.

Hereby enters this disclaimer to claim 6 in said patent.

2,453,923.—*Alfred M. Mayo*, Los Angeles, Calif. AIRCRAFT COOLING BY AIR TURBINE MEANS. Patent dated Nov. 16, 1948. Disclaimer filed Nov. 18, 1949, by the assignee, *Douglas Aircraft Company, Inc.*

Hereby enters this disclaimer to claims 1, 15, and 16 of said patent.

Cancellation Notices

Graeff Miller, his assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the petition of John C. Miller, 110 W. 18th St., New York, N. Y., to effect the cancellation of trade-mark registration of Graeff Miller, No. 292,466, dated March 15, 1932. The assignment records of this Office show a transfer of title to this registration to Margaret Dupre, Inc., 35 W. 53rd St., New York, N. Y., which has been substituted for said Graeff Miller to defend the registration concerned. The notice of such proceeding sent by registered mail to said Margaret Dupre, Inc., at its address of record, 35 W. 53rd St., New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said Graeff Miller, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Dec. 15, 1949. *Assistant Commissioner of Patents.*

Martha Washington Ice Cream Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by La Reine Chocolate Company, 601 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Martha Washington Ice Cream Corporation, 12-16 Willow St., Bloomfield, N. J., No. 442,758, dated May 24, 1949, and the notice of such proceeding sent by registered mail to the said Martha Washington Ice Cream Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Martha Washington Ice Cream Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Dec. 15, 1949. *Assistant Commissioner of Patents.*

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The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $33.00 per annum; single numbers, 65 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Federal Enterprises, Inc., will assign or grant licenses on reasonable terms under the following 43 patents. Inquiries concerning the patents should be addressed to Federal Enterprises, Inc., 8100 South State Street, Chicago 19, Ill.

The majority of the patents are devoted to display or advertising signs, or to neon lamps or tubing used for lighting purposes. The remaining patents deal with the production of a fibre board for structural purposes, apparatus for making tubing from the fibre sheets, toasters, and other miscellaneous processes and apparatus.

Pat. 1,904,347. SIGN. Patented Apr. 18, 1933. Lettering is cut into the opaque backing of an otherwise transparent panel, the front of which is substantially coated with a light-refracting material. The refracting material projects beyond the edges of the lettering so that it catches light intended to illuminate the transparent lettering. Group 39—93. Reg. No. 33,248.

Pat. 1,937,139. SIGN. Patented Nov. 28, 1933. Cut-out letters which form a sign are contrastingly displayed against a background of closely packed glass marbles used in combination with a shifting source of light. The effect produced is lively and sparkling, useful for advertising cold soft drinks, etc. Group 39—93. Reg. No. 33,249.

Pat. 1,943,281. SIGN. Patented Jan. 16, 1934. Block letters or characters of substantial thickness are blackened on their face and coated on their sides with a light-refracting pigment. When displayed against a lighted background, the block letters stand out vividly so that a distinctive silhouetted appearance is provided. The background may also include a faintly illuminated design or message as a further advertising feature. Group 39—93. Reg. No. 33,250.

Pat. 1,946,726. SIGN. Patented Feb. 13, 1934. Silhouetted characters of sign are shown against a flickering background. Flickering is produced by forcing mercury vapor to travel through tubing having alternately wide flat channel portions connected by narrower intermediate portions. Group 39—93. Reg. No. 33,251.

Pat. 1,952,353. LIGHTING EFFECT AND METHOD OF CREATING SAME. Patented Mar. 27, 1934. This patent relates to creating luminous fountain effects for display purposes. Sprays of water or other fluids are treated with a light-sensitive material (resorcinolphthalein) and subjected to ultraviolet light. A luminescent effect results, causing the fountain to stand out vividly. Group 39—93. Reg. No. 33,252.

Pat. 1,963,964. SIGN. Patented June 26, 1934. A relatively long message may be displayed within a small space by means of an advertising sign in which the characters move to gain attention. Essentially, a strip is mounted on a motor-driven roller carried within a glass tube which also supports an electric bulb. Group 39—93. Reg. No. 33,253.

Pat. 2,041,189. ILLUMINATED SIGN. Patented May 19, 1936. Sign particularly adapted for a gasoline-dispensing pump. Globe or shade bearing advertising material is illuminated during the day by neon tubing, and by an incandescent bulb during the night. The shade is partitioned so that only the rim is lighted by the neon tubing. Group 39—93. Reg. No. 33,254.

Pat. 2,092,508. SIGN. Patented Sept. 7, 1937. Silhouetted letters of interchangeable sign are supported on transparent glass rails so that the letters appear to be floating in space. The rails are attached to a backing by clips so that the rails may be removed. The clips are also used to support the letters. Group 39—93. Reg. No. 33,255.

Pat. 1,904,848. METHOD OF MAKING MULTI-BORE TUBES. Patented Apr. 18, 1933. Multi-bore glass tubing is made by progressively feeding several tubes toward a common point while the tubes are still in fluid condition so that the contacting surfaces of the tubes fuse together. Groups 36—51; 39—93. Reg. No. 33,256.

Pat. 1,926,423. CONTROL FOR DISCHARGE ILLUMINATION. Patented Sept. 12, 1933. This patent describes the creation of shifting color effects for theatrical or similar lighting. Neon tubes of different colors are connected in a series circuit which includes a transformer, the electrical characteristics of which can be altered to create a variable reactive load in series with the tubes being regulated. By varying the intensity of adjacent neon tubes it is possible to produce many intermediate colors. Groups 36—51; 39—93. Reg. No. 33,257.

Pat. 1,937,137. ILLUMINATING DEVICE. Patented Nov. 28, 1933. A traveling light effect, adaptable for neon signs, is obtained by spacing the electrodes of a gas-filled neon tube at intervals. The effect is secured by providing a switch having contacts which correspond with and are electrically connected to the electrodes in the side walls of the tube. Groups 36—51; 39—93. Reg. No. 33,258.

Pat. 1,937,138. MEANS FOR AND METHOD OF ILLUMINATION. Patented Nov. 28, 1933. A shifting light effect that creates an illusion of falling water is produced by arranging a number of neon tubes on a turntable behind a screen in the form of a prismatic lens or plate, one side of which is fluted. Groups 36—51; 39—93. Reg. No. 33,259.

Pat. 1,963,961. ELECTRICAL DISCHARGE DEVICE. Patented June 26, 1934. A neon lamp in the shape of a candle. Glass bulb is formed to provide a sealed U-shaped discharge channel with arms separated by a partition. At the extremity of each arm is an electrode. The bulb is provided with a socket base so that it may be connected to a single outlet. Groups 36—51; 39—93. Reg. No. 33,260.

Pat. 1,963,962. ILLUMINATING DEVICE. Patented June 26, 1934. A neon lamp in which the cross-sectional area of the discharge path is reduced although the amount of light emitted may be increased. A partition divides the lamp interior into several channels in which illumination is created. The walls of the inner zone are silvered to reflect outwardly. Groups 36—51; 39—93. Reg. No. 33,261.

Pat. 1,963,963. DISCHARGE APPARATUS AND METHOD. Patented June 26, 1934. An additional, or exciting, electrode is mounted in the discharge channel of a neon lamp in close relationship with one of a pair of spaced actuating electrodes. Thus when low voltage (110 volts) is applied between the exciting and the actuating electrode,

a discharge arc occurs. Heat generated ionizes the gaseous material filling the channels of the lamp. Groups 36—51; 39—93. Reg. No. 33,262.

Pat. 1,974,888. ILLUMINATING DEVICE. Patented Sept. 25, 1934. Neon lamp is partitioned to define adjacent discharge channels so that multi-color, flickering, or color-changing effects may be produced. Other features include provision for a sectionalised lamp having connections that permit units composed of a series of standard lengths to be arranged, and an adapter base containing a transformer that enables the lamp to be operated from a low voltage socket. Groups 36—51; 39—93. Reg. No. 33,263.

Pat. 2,176,099. FLUORESCENT MATERIAL AND METHOD OF PREPARING THE SAME. Patented Oct. 17, 1939. Reg. No. 33,264.

Pat. 2,176,100. FLUORESCENT MATERIAL AND A FLUORESCENT ELEMENT INCORPORATING THE SAME. Patented Oct. 17, 1939. Reg. No. 33,265.

In these two patents fluorescent material (incorporated in neon lamps) consists of minute unground crystals which are flocculent rather than free-flowing. The minute crystals possess enhanced fluorescent properties capable of attachment to a base without use of binders. Zinc orthosilicate is used as the fluorescent material in Pat. 2,176,099; and zinc beryllium silicate, to which manganese oxide and a rare earth metal (samarium, etc.) have been added as activators, is used in Pat. 2,176,100. Groups 36—51; 39—93.

Pat. 2,053,507. GASEOUS CONDUCTION DEVICE. Patented Sept. 8, 1936. An exciter in the form of a gaseous filled tube is coiled around the outside of a neon tube. High frequency discharges set up in the exciter initiate a discharge within the tube in response to relatively low voltage applied to the electrodes of the exciter. Groups 36—51; 39—93. Reg. No. 33,266.

Pat. 2,062,959. ELECTRICAL DISCHARGE DEVICE AND ELECTRODE FOR SAME. Patented Dec. 1, 1936. This patent provides an electrode composed of a copper alloy containing approximately 96% copper, 3% silicon, and 1% manganese. The electrode is utilized in lamps carrying such gases as neon, krypton, mercury vapor, etc. Groups 36—51; 39—93. Reg. No. 33,267.

Pat. 2,062,960. MEANS FOR AND METHOD OF INITIATING AND CONTROLLING ELECTRICAL DISCHARGE IN A GASEOUS CONDUCTION PATH. Patented Dec. 1, 1936. The intensity of illumination of a tubular neon lamp is controlled by utilizing a thermionic valve associated with a grid biasing means such as a variometer. This alters the phase relationship of the controlling impulse applied on the grid with respect to the current flowing through the valve from its anode to its cathode. Groups 36—51; 39—93. Reg. No. 33,268.

Pat. 2,084,996. GASEOUS CONDUCTION DEVICE. Patented June 29, 1937. An exciter, in the form of a coiled conductor in which high frequency oscillations may be set up, extends through the gas-filled enclosing envelope of a neon lamp. The exciter functions to condition the device for starting the lamp in operation at relatively low voltage. Groups 36—51; 39—93. Reg. No. 33,269.

Pat. 2,102,189. GASEOUS CONDUCTION DEVICE. Patented Dec. 14, 1937. A neon lamp so constructed that it may be inserted in a socket in the same manner as an incandescent lamp. A U-shaped discharge channel, the arms of which are separated by a partition, is provided. At the extremities of each arm an electrode is mounted, one being disposed in close relationship with a conductor. Groups 36—51; 39—93. Reg. No. 33,270.

Pat. 2,102,190. DISCHARGE APPARATUS AND METHOD. Patented Dec. 14, 1937. The starting efficiency of a neon lamp is improved by operating the lamp as a rectifier. The discharge path of the lamp is encircled by an exciter so that high frequency electrostatic effects are induced, permitting the lamp to be operated at relatively low applied voltage. Groups 36—51; 39—93. Reg. No. 33,271.

Pat. 2,102,191. GASEOUS CONDUCTION DEVICE. Patented Dec. 14, 1937. Cadmium and mercury gas are confined in separate compartments of a glass tube to form a unitary lamp. A tubular neon-filled coil encircles the unit. When the lights of the gases are blended, artificial daylight results. Groups 36—51; 39—93. Reg. No. 33,272.

Pat. 2,102,192. MEANS FOR AND METHOD OF EFFECTING GASEOUS MIXTURES. Patented Dec. 14, 1937. In cold weather, mercury vapor lamps develop a spotty appearance due to condensation of the vapor in localised areas. This is obviated by mixing helium and argon with the mercury vapor. A relatively high resistance to the electrical discharge is developed, generating heat, so that a temperature sufficient to prevent condensation is maintained. Groups 36—51; 39—93. Reg. No. 33,273.

Pat. 2,121,333. GASEOUS CONDUCTION DEVICE. Patented June 21, 1938. Electrical potential difference applied at spaced points in a gaseous medium of a neon lamp (or lamps filled with other gases) initiates an electron flow in an ionised path between the spaced points of application which may be utilised for the purpose of rectification. Groups 36—51; 39—93. Reg. No. 33,274.

Re. 20,671. LAMP SUPPORT. Patented Mar. 15, 1938. (Original No. 2,020,886, Nov. 12, 1935.) A receptacle for supporting a neon lamp on a panel. Consists of a pair of cooperating and interfitting parts one of which is a bushing and the other a pedestal. An electrical contact associated with the lamp is mounted on the pedestal and supported by the bushing to complete the receptacle. Groups 36—51; 39—93. Reg. No. 33,275.

The following 3 patents relate to valves for controlling the movement of pistons utilized for positioning the height of a platen of a press, or the bed of a milling and boring machine, and similar purposes.

Pat. 2,380,973. CONTROL FOR FLUID OPERATED MOTORS. Patented Aug. 7, 1945. Two-directional fluid-control valve comprises a pair of cooperating telescoping valves, each connected to a separate rotatable shaft. Slight rotation of one shaft with respect to the other instantly effects adjustment of the valves to restore synchronous rotation of the shafts. Group 36—19. Reg. No. 33,276.

Pat. 2,380,974. FLUID CONTROL VALVE. Patented Aug. 7, 1945. Two valve elements are telescoped within a control valve having ports movable into and out of registry for opening and closing of the control valve which is interposed between a reversing valve and the device being actuated. One of the valve elements is manually operable to open the control valve, the other being responsive to the device being actuated. The first-named valve element causes a solenoid to be energised, etc., to control the direction of flow through the reversing valve. Group 36—19. Reg. No. 33,277.

Pat. 2,380,975. AUTOMATIC CONTROL FOR FLUID OPERATED PISTONS. Patented Aug. 7, 1945. A pair of fluid-operated motors are each subject to operation by separate control valves. The movement of each motor regulates the control valve for the opposite motor, the valves being interconnected to instantly effect compensating adjustment of one by the other, should one motor travel at a speed greater than the other. Group 36—19. Reg. No. 33,278.

Pat. 2,264,189. RESINOUS FELTED FIBROUS COMPOSITION. Patented Nov. 25, 1941. Reg. No. 33,279.

Pat. 2,387,683. PRODUCTION OF RESINOUS FELTED FIBROUS COMPOSITION. Patented Oct. 23, 1945. Reg. No. 33,280.

These two patents describe a combination of fibrous paper pulp and a resin binder derived from extracting pine wood pitch subjected to heat and pressure. The resulting product is a tough sheet or board material which resists warping or cracking and is suitable for structural uses or other purposes. Groups 26—11—27—64; 28—83; 39—81.

Pat. 2,376,687. PROCESS OF MAKING A FIBROUS THERMOPLASTIC PRODUCT. Patented May 22, 1945. Reg. No. 33,281.

Pat. 2,376,688. THERMOPLASTIC FIBROUS PRODUCT. Patented May 22, 1945. Reg. No. 33,282.

In these two patents a modifying agent such as zinc oxide is added to a felted paper pulp and resin mixture to enhance the waterproof properties and hardness of the mixture. While substantially dry, the mixture is subjected to a temperature ranging between 275–340° F., under 600–1,000 pounds pressure per square inch for at least an hour. Groups 26—11; 28—83; 30—81.

Pat. 2,340,956. TUBULAR PRODUCT. Patented Feb. 8, 1944. Cured and dried sheets of the tough material produced when paper pulp and a resin binder are consolidated under heat and pressure are cut at an angle and wrapped about a mandrel so that the edges overlap radially. The wrapped mandrel is placed between forming dies and heated above the softening temperature of the material and subjected to pressure. A continuous tubular section results having a tight interlocking joint. Groups 26—27—64; 35—54. Reg. No. 33,283.

Pat. 2,401,728. TUBE FORMING MACHINE. Patented June 11, 1946. This patent specifically refers to an apparatus for forming tubes or pipes of fibrous material described in Pat. 2,340,956 (Reg. No. 33,283). The tube is formed on a mandrel having provision for heating and cooling its entire length. The mandrel is used in association with a four-piece outer die that applies uniform pressure to the walls of the tube being compacted. By heating and later cooling the mandrel, resin binder in the fibrous material is caused to flow and set during the pressing operation. Groups 26—64; 35—54. Reg. No. 33,284.

Pat. 2,351,217. CUTTING AND THREADING TOOL. Patented June 13, 1944. Portable tool for simultaneously trimming and threading tubes formed of fibrous material. Tube is slipped over an expansible mandrel at one end of a rotatable shaft having an opposite threaded end and an intermediate smooth portion. The threaded end and smooth portion each receive a hub having extending arms between which tool holders are mounted. One of the holders is provided with a pair of thread-forming cutters opposite which (mounted in the other holder) is a single cutter which provides a neatly trimmed edge. Group 35—54. Reg. No. 33,285.

Pat. 2,172,413. SIREN. Patented Sept. 12, 1939. Reg. No. 33,286.

Pat. 2,268,476. SIGNALING DEVICE. Patented Dec. 30, 1941. Reg. No. 33,287.

These two patents present a flashing signal lamp which is used in combination with a siren. The device is adapted for mounting on fire-fighting apparatus, ambulances, and other vehicles requiring the right-of-way in traffic. In the latter patent, the flashing signal is arranged as a rotary make-and-break switch driven by a small motor. Groups 36—19—62; 38—11—31.

Pat. 2,380,972. AUTOMATIC CONTROL OR INDICATOR. Patented Aug. 7, 1945. Switch device is associated with an indicating instrument and responds to gradual changes in temperature, pressure, speed, weight, or any other characteristic being measured. The device consists, essentially, of a contact arm mounted on and movable with an indicator swinging over a graduated scale. The arm extends beyond the indicator and scale so that it may register with any one of a series of contacts arranged on a rapidly oscillating panel. Each of the contacts is connected in circuit with an electrically operated device or apparatus. The switch, therefore, constitutes a sensitive means of automatically stopping or starting the operation of apparatus whose function depends on pressure, temperature, etc. Group 36—19. Reg. No. 33,288.

Pat. 2,414,081. TOASTER. Patented Jan. 14, 1947. Toaster is operative on either direct or alternating current, and a neon glow tube is provided which functions differently for each of the circuits to indicate whether or not proper connection has been made. An electron tube is included in the circuit to time the interval in which the bread to be toasted is carried from loading to toasting position and to disconnect the heating elements of the toaster. Group 36—19—21. Reg. No. 33,289.

Pat. 2,414,082. HEATER UNIT FOR TOASTERS. Patented Jan. 14, 1947. Heater unit is provided with a U-shaped plate which straddles the toast carrier. The plate is provided with bright reflecting surfaces which direct heat from the electrical resistance units toward the bread to be toasted. The heating elements are mounted on mica sheets disposed in spaced parallel relation to the reflecting surfaces so that an air space is provided. Group 36—19—21. Reg. No. 33,290.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 8, 1950

[VOL. 630. NO. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 507,661. CHARLES V. SPARHAWK, doing business as Sparhawk Company, Sparkill, N. Y. Filed Aug. 19, 1946.

RATMUS

FOR ANIMAL CHEMICAL ATTRACTANT FOR USE AS LURES AND FOR TRAPPING AND EXTERMINATING RATS AND WILD LIFE.

Claims use since Mar. 15, 1946.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 507,276. FRANK A. SCERVINI, doing business as Jamco Company, New York, N. Y. Filed Aug. 12, 1946.

JAMCO

KAP-A-DAY

FOR MULTIVITAMIN CAPSULES.

Claims use since Nov. 1, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 502,002. NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed May 13, 1946.

RELIANCE

FOR ELECTRICAL APPARATUS—NAMELY, ELECTRIC SPACE HEATERS, WAFFLE IRONS, HOUSEHOLD IRONS, TOASTERS, HOT PLATES, FLASHLIGHT CASES, NEON TESTERS, COMBINATION BROILER, COOKER AND TOASTER, BROILERS, XMAS TREE INDOOR AND OUTDOOR LIGHTING SETS, XMAS ELECTRICAL WREATHS, XMAS ELECTRICAL CANDLES, ELECTRIC BELLS; KITCHEN AIDS—NAMELY, JUICERS; VACUUM CLEANERS, AND TABLE, AND FLOOR LAMPS.

Claims use since 1926.

Ser. No. 519,622. BLAIRSVILLE MACHINE PRODUCTS COMPANY, Blairsville, Pa. Filed Mar. 27, 1947.

Tops

FOR ELECTRICAL FLASH LIGHTS AND ELECTRICAL STORAGE BATTERIES.

Claims use since Jan. 1, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 514,114. HAROLD A. HAFKE, doing business as Kid-E-Art Mfg. Company, Detroit, Mich. Filed Dec. 12, 1946.

KID-E-ARTIST

FOR TOY PAINTING SETS.

Claims use since Oct. 10, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 512,880. VOKES LIMITED, Guildford, England. Filed Nov. 19, 1946.



The drawing is lined for amber color of the cross and the convoluted circular outline upon which the cross is superimposed. Both of these are depicted against a white background within a circle. The "V" is outlined in black on the white background. No claim is made to the use of the letter "V" apart from the association shown. It is a condition of the registration of this mark that it shall not be used with the cross device appearing thereon in red, or

in white or silver on a red ground, or with the cross device and ground in, or of, any similar respective color or colors.

FOR SILENCERS AND SILENCING APPARATUS (I. E., MUFFLERS AND SIMILAR APPARATUS FOR SILENCING INLET AND EXHAUST SYSTEMS) FOR MACHINERY, FOR ENGINES, AND FOR MOTORS INCLUDING SILENCERS FOR THE ENGINES AND MOTORS OF LAND VEHICLES AND PARTS THEREOF.

Claims use since July 1945.

Ser. No. 520,893. OXWALL TOOL CO., LTD., New York, N. Y. Filed Apr. 17, 1947.

OXWALL

FOR HAND BREAST DRILLS, CHISELS, HAMMERS, HAND DRILLS, ICE PICKS, MALLETS, PIN VISES, PLANES, RATCHET SCREW DRIVERS, SAWS, SCRATCH AWLS, SCREW DRIVERS, AND SCREW DRIVER SETS CONSISTING OF A BLADE AND HANDLE.

Claims use since Jan. 17, 1947.

Ser. No. 521,305. CROSLEY MOTORS, INC., Cincinnati, Ohio. Filed Apr. 23, 1947.



Applicant disclaims the words "Crosley," "Copper," "Brazed," and "Engine" apart from the mark. The drawing is lined for shading only and not for color.

FOR INTERNAL COMBUSTION ENGINES.

Claims use since Mar. 10, 1947.

Ser. No. 525,498. SAVAGE ARMS CORPORATION, Utica, N. Y. Filed July 1, 1947.

SAVAGE

FOR MANUALLY OPERATED LAWN MOWERS.

Claims use since Nov. 5, 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 512,949. EVERETT E. YOUNG CO., INC., West Bridgewater, Mass. Filed Nov. 20, 1946.

HANDY-HANNAH

No claim is made to the word "Handy" apart from the mark shown.

FOR FOUNTAIN TYPE FLOOR WAX DISPENSER WITH SHEEPSKIN PAD FOR SPREADING WAX UPON THE FLOOR.

Claims use since Sept. 16, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 520,344. PIRELLI SOCIETA PER AZIONI, Milan, Italy. Filed Apr. 8, 1947.



FOR STEAM-TIGHT PACKINGS FOR HYDRAULIC PRESSES, FOR WATER-LEVEL INDICATORS OF BOILERS, FOR WATER PUMPS AND FOR OTHER PURPOSES; RUBBER CONVEYOR AND TRANSMISSION BELTING FOR PAPER MILLS; RUBBER SHOCK ABSORBERS FOR WATER EXHAUSTERS; RUBBER PIPES, RUBBER HOSE, HOSE AND PIPE MADE OF RUBBER OR A COMPOSITION OF RUBBER AND TEXTILE MATERIAL; HOSES OF RUBBER, OR OF SUBSTITUTES OR IMITATIONS THEREOF, WITH OR WITHOUT EMBEDDED TEXTILE OR METAL MATERIALS TO BE USED FOR SHIPS, AIRCRAFTS, RAILWAYS, AND TRAMWAYS; TIRES FOR AIRCRAFTS; TIRES AND INNER TUBES, SOLID AND CUSHION TIRES (OF NATURAL OR SYNTHETIC RUBBER) FOR WHEELS OF MOTORCARS, AIRCRAFTS, MOTORCYCLES, BICYCLES AND OTHER VEHICLES; RUBBER V-BELTS AND BANDS FOR FANS OF MOTORCARS AND FOR TRANSMISSION OF POWER FOR MOTORCYCLES; PROTECTIVE BANDS FOR INNER TUBES, CONNECTION TUBING FOR MOTOR CAR, MOTORCYCLE AND CYCLE PUMPS, FLEXIBLE PROLONGATION HOSE FOR MOTOR CAR VALVES; TRANSMISSION, CONVEYING, AND ELEVATING BELTS OF RUBBER, OR OF THE SUBSTITUTES OR IMITATIONS THEREOF, AND OF EMBEDDED FABRIC; GAS TUBINGS, HOSES FOR CONVEYING WINE OR OTHER LIQUIDS; TEXTILE WASHER WITH RUBBER CORE, DISC OF RUBBER OR OF RUBBERIZED FABRIC.

Claims use since July 1, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,321. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



The drawing is lined for shading only.

FOR PAPETERIES—I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED, PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES.

Claims use since 1929.

CLASS 39

CLOTHING

Ser. No. 499,071. NEWTOWNE MANUFACTURING COMPANY, doing business as Plymouth Manufacturing Company, Boston, Mass. Filed Mar. 27, 1946.

WEATHER-READY

FOR RAINCOATS AND WEATHERPROOF TOPCOATS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Oct. 26, 1945.

Ser. No. 502,054. M. ARON CORPORATION, New York, N. Y. Filed May 14, 1946.

Concerto

FOR MEN'S FOUR-IN-HAND NECKTIES AND BOWTIES.

Claims use since May 3, 1946.

Ser. No. 524,663. ROBBINS SHOE MFG. CORP., New York, N. Y. Filed June 23, 1947.

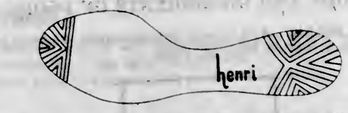
Modern Heights

The word "Modern" is disclaimed.

FOR SHOES, MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.

Claims use since Nov. 15, 1941.

Ser. No. 525,206. HENRY FLATOW, New York, N. Y. Filed June 30, 1947.



The representation of the insole of the shoe is disclaimed.

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF.

Claims use since Feb. 6, 1946.

Ser. No. 525,396. OAKES & COMPANY, Chicago, Ill. Filed July 1, 1947.



FOR MEN'S OVERALLS.

Claims use since May 22, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 525,076. GREEFF FABRICS, INC., New York, N. Y. Filed June 28, 1947.

KeyTone

No claim is made to the word "Tone" apart from the mark shown.

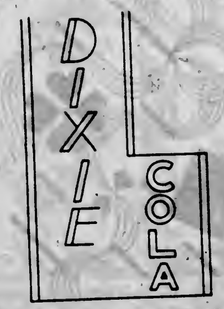
FOR COTTON AND RAYON FABRICS IN THE PIECE.

Claims use since April 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 492,766. DIXIE COLA COMPANY, Chattanooga, Tenn. Filed Dec. 6, 1945.



No claim is made to the word "Cola" apart from the mark as shown.

FOR NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS.

Claims use since Mar. 14, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,342. A/S DANSK SKINKEKOGERI, Copenhagen, Denmark. Filed Mar. 16, 1946.



FOR FRESH, FROZEN, CURED, SMOKED, COOKED, AND CANNED MEAT OF PORK, BEEF, LAMB, MUTTON, AND POULTRY; ANIMAL FATS FOR FOOD PURPOSES—NAMELY, LARD, FAT OF MEAT, HARD FAT, LEAF FAT, DRIPPING, SUET, GREASE, AND GREAVES; HAM, BACON, HOG SHOULDERS, HOG TONGUES, SAUSAGES, AND SANDWICH-SPREAD.
Claims use since 1914.

Ser. No. 514,519. BYCLA SOCIEDAD ANONIMA COMERCIAL INDUSTRIAL Y FINANCIERA, Buenos Aires, Argentina. Filed Dec. 19, 1946.

ByCla

FOR EDIBLE VEGETABLE OILS.
Claims use since Feb. 2, 1919.

Ser. No. 517,071. LOFT CANDY CORPORATION, Long Island City, N. Y. Filed Feb. 6, 1947.



The drawing is lined for red. The representation of the candy sticks is disclaimed.
FOR HARD CANDY.
Claims use since September 1945.

Ser. No. 518,134. ESTER CANDY COMPANY, New York, N. Y. Filed Feb. 26, 1947.

ST

FOR CHOCOLATES.
Claims use since Jan. 31, 1946.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 520,402. JEAN-PASCAL LORRIAUX & CIE, Paris (Seine), France. Filed Apr. 9, 1947.

oh! oui Paris

The geographical term "Paris" is disclaimed.
FOR PERFUMES.
Claims use since Oct. 30, 1946.

Ser. No. 522,891. J. B. NETHERCUTT, doing business as Nethercutt Laboratories, Santa Monica, Calif. Filed May 23, 1947.

HEX

FOR DEODORANT AND ANTIPERSPIRANT FOR PERSONAL USE.
Claims use since May 9, 1947.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 510,958. KAJOL INCORPORATED, San Francisco, Calif., assignor to Kajol Company, San Francisco, Calif., a partnership. Filed Oct. 16, 1946.



The lining indicates the color gold. The word "Shampoo" is disclaimed apart from the mark as shown.
FOR SHAMPOO.
Claims use since April 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 542,408. S. M. ARNOLD, INC., St. Louis, Mo. Filed Dec. 5, 1947.

UNIVERSAL BRAND

The word "Brand" is disclaimed.
FOR CHAMOIS.
Claims use since Apr. 26, 1944.

Ser. No. 566,667. SOCIETE ANONYME DES MANUFACTURES DES GLACES ET PRODUITS, CHIMIQUES DE SAINT-GOBAIN, CHAUNY & CIREY, Paris, France. Filed Oct. 7, 1948.

LUCOFLEX

Applicant claims ownership of French Registration No. 355,938, dated Jan. 3, 1945.
FOR PLASTIC MATERIAL WHICH IS MADE IN THE FORM OF SHEETS, RODS, OR POWDER.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 574,568. CHIC BAG CO., INC., New York, N. Y. Filed Feb. 26, 1949.

COLLEGE HAND TROTTER BAGS

The words "Hand Bags" are disclaimed. Applicant claims ownership of Registration No. 344,180.
FOR LADIES' HANDBAGS AND PURSES.
Claims use since July 15, 1936.

Ser. No. 576,096. E. J. WILKINS COMPANY, Gloversville, N. Y. Filed Mar. 25, 1949. Under section 2f of the act of 1946.

GLekto

Applicant claims ownership of Registration No. 428,620.
FOR BILL FOLDS.
Claims use since Sept. 1, 1938.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 548,312. BEE CHEMICAL COMPANY, Chicago, Ill. Filed Jan. 30, 1948.

LOGO

FOR SOLUTIONS OF ORGANIC POLYMERIC SUBSTANCES TO BE USED FOR SURFACE TREATMENT FOR PLASTICS TO IMPART TO PLASTICS, FOR EXAMPLE, INCREASED HARDNESS, LUSTER, REDUCED ATTRACTION FOR DUST.
Claims use since Jan. 23, 1948.

Ser. No. 555,652. THE CELINA STEARIC ACID CORPORATION, Celina, Ohio. Filed Apr. 27, 1948. Under section 2f of the act of 1946.

THE CELINA STEARIC ACID CO. REPRESSED SAPONIFIED RED OIL CELINA, OHIO U.S.A.

No claim is made to the words "Repressed Saponified Red Oil" apart from the mark as shown. Applicant claims ownership of Registration No. 251,912.
FOR RED OIL (OLEIC ACID) WHICH IS PRINCIPALLY USED IN THE TEXTILE TRADE FOR OILING WOOL, AND ALSO IN COMPOUNDING OTHER WOOL OILS, AND TO SOME EXTENT IN THE SOAP AND LUBRICATING TRADES.
Claims use since Feb. 7, 1912.

Ser. No. 556,194. HOOKER ELECTROCHEMICAL COMPANY, Niagara Falls, N. Y., and Tacoma, Wash. Filed May 4, 1948.

PARACIDE

Applicant claims ownership of Registration No. 160,882.
FOR INSECTICIDES.
Claims use since Mar. 27, 1922.

Ser. No. 556,195. HOOKER ELECTROCHEMICAL COMPANY, Niagara Falls, N. Y., and Tacoma, Wash. Filed May 4, 1948.

PARADI

Applicant claims ownership of Registration No. 160,883.
FOR PARADICHLORBENZENE.
Claims use since Mar. 27, 1922.

Ser. No. 556,235. ALROSE CHEMICAL COMPANY, Cranston, R. I. Filed May 5, 1948.

NONISOL

FOR NONIONIC, FATTY ESTER TYPE EMULSIFYING AND SOLUBILIZING AGENTS, HAVING VARIOUS SPECIFIC USES.
Claims use since Jan. 15, 1946.

Ser. No. 558,136. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed May 29, 1948.

SUNNY SOUTH

Applicant claims ownership of Registration No. 109,607.
FOR PINE OIL (CRUDE AND REFINED), PINE TAR OILS (CRUDE AND REFINED), PINE TAR (HEAVY AND LIGHT BODY), OILS USED IN DISINFECTANTS, WOOD ACIDS, AND PINE CREOSOTE.
Claims use since June 1914.

Ser. No. 559,622. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed June 18, 1948.

Lime Crest

Applicant disclaims the word "Lime" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 250,383, 250,679, 255,330, 263,924, 263,739, 263,925, 263,926, 318,669.
FOR GROUND OR PULVERIZED LIMESTONE FOR USE IN NEUTRALIZING ACID WASTES AND HYDRATED LIME FOR THE TREATMENT OF SEWAGE.
Claims use since Aug. 14, 1946.

Ser. No. 559,623. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed June 18, 1948.



Applicant claims ownership of Registrations Nos. 250,383, 255,330, 263,924, 263,926, and 318,669.
FOR GROUND OR PULVERIZED LIMESTONE FOR USE IN NEUTRALIZING ACID WASTES AND HYDRATED LIME FOR THE TREATMENT OF SEWAGE.
Claims use since Aug. 14, 1946.

Ser. No. 561,273. TIDINGS CORPORATION OF AMERICA, Mamaroneck, N. Y. Filed July 13, 1948.

TICORA

FOR PARTICLES OF MATERIAL PLACED IN ENCLOSURES FOR ABSORBING MOISTURE FROM THE SURROUNDING ATMOSPHERE.
Claims use since June 22, 1948.

Ser. No. 564,136. MARATHON CORPORATION, Rothschild, Wis. Filed Aug. 25, 1948.

MARATAN

FOR TANNERY MATERIALS AND EXTRACTS IN BOTH LIQUID AND SOLID FORMS, BOTH OF WHICH CONTAIN LIGNIN-SULPHONIC ACID COMPOUNDS.
Claims use since Aug. 2, 1932.

Ser. No. 564,255. NORSK HYDRO-ELEKTRISK KVAELSTOFAKTIESELSKAB, Oslo, Norway. Filed Aug. 20, 1948.



Applicant claims ownership of Norwegian Registration No. 10,593, dated July 13, 1923.
FOR NITROGEN PRODUCTS, COMPRISING NITRIC ACID AND SALTS FORMED THEREBY; NITROUS ACID AND SALTS FORMED THEREBY; NITRO-OXYGEN COMPOUNDS; NITRIDS; CYANIDS; CYANAMIDS; AMMONIA AND ITS SALTS.
Claims use since July 13, 1923.

Ser. No. 566,256. WOOLFOLK CHEMICAL WORKS, LTD., Fort Valley, Ga. Filed Oct. 1, 1948.

DIWEEVIL

FOR GRAIN AND SEED FUMIGANT.
Claims use since Aug. 11, 1948.

Ser. No. 566,287. GEM AUTOMATIC GAS COMPANY, INC., Granite Quarry, N. C. Filed Sept. 24, 1948.

Gemgas

FOR LIQUEFIED PETROLEUM GAS.
Claims use since Jan. 2, 1947.

Ser. No. 567,205. OHIO-APEX, INC., Nitro, W. Va. Filed Oct. 19, 1948.

D.I.O.P.

FOR DI-ISO-OCTYL PHTHALATE.
Claims use since Oct. 12, 1948.

Ser. No. 569,158. INNIS, SPEIDEN & CO., New York, N. Y. Filed Nov. 20, 1948.

ISCOMIST

FOR INSECTICIDES, LARVICIDES, FUNGICIDES, AND DEODORANTS.
Claims use since Sept. 15, 1948.

Ser. No. 569,301. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Nov. 23, 1948.

ARATHANE

FOR AGRICULTURAL ACARACIDES, INSECTICIDES, AND FUNGICIDES.
Claims use since Oct. 8, 1948.

Ser. No. 569,636. PFISTER CHEMICAL WORKS, INC., Ridgefield, N. J. Filed Nov. 30, 1948. Under section 2f of the act of 1946.

Pfister Chemical Works INC.

The words "Chemical Works, Inc." are disclaimed.
FOR CHEMICALS USED AS DYESTUFFS AND INTERMEDIATES—NAMELY, NAPHTHOLS, VAT COLORS, RAPID COLORS, ACETATE COLORS, FAST COLOR BASES, FAST COLOR SALTS, PHENYLDIETHANOLAMINE, AND BETA-OXY-NAPHTHOIC ACID.
Claims use since November 1932.

Ser. No. 570,946. THE CHEMICAL DEVELOPMENT COMPANY, also doing business as Chemical Development Co., Portland, Oreg. Filed Dec. 22, 1948.

CHEM-DEE

FOR CHEMICAL SOLUTION USED ON FABRICS TO RENDER THEM WATER-REPELLENT.
Claims use since Aug. 14, 1944.

CLASS 7
CORDAGE

Ser. No. 538,803. NEW YORK TWINE CORPORATION, New York, N. Y. Filed Oct. 23, 1947. Under section 2f of the act of 1946.

"BEST-YET"

Applicant claims ownership of Registration No. 208,368.
FOR CORDS AND TWINE USED PRINCIPALLY IN CONNECTION WITH BINDING FLOWERS, LEAVES, ETC., TO SET PIECES AND BIND CORSAGES.
Claims use since January 1924.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 535,203. THE VOGEL MANUFACTURING CO., Bridgeport, Conn. Filed Sept. 20, 1947.



The abbreviation "Co." is disclaimed.
FOR CIGARETTE PACKAGE CONTAINERS OF PLASTIC, MATCH-BOOK HOLDERS OF PLASTIC, POCKET RECEPTACLE HOLDERS OF PLASTIC FOR SMOKERS' ACCESSORY BRUSH FOR REMOVING ASHES FROM CLOTHES, POCKET RECEPTACLE HOLDERS OF PLASTIC FOR SMOKERS' ACCESSORY RAZOR BLADE FOR CLIPPING CIGARS.
Claims use since on or about Apr. 1, 1946, on cigarette package containers of plastic and on match-book holders of plastic; and since on or about Sept. 1, 1947, on pocket receptacle holders of plastic for smoker's accessory brush and on pocket receptacle holders of plastic for smoker's accessory razor blade.

Ser. No. 571,185. VAN ROY COMPANY, INC., New York, N. Y. Filed Dec. 27, 1948.

Ajustomatic

FOR SMOKING PIPES.
Claims use since May 1, 1945.

Ser. No. 571,438. HENRY LEONARD & THOMAS, INC., Ozone Park, N. Y. Filed Dec. 31, 1948.

BRUNTLEY

FOR SMOKING PIPES AND PARTS THEREOF.
Claims use since Sept. 1, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 567,243. THE J. E. DOYLE COMPANY, Cleveland, Ohio. Filed Oct. 20, 1948. Under section 2f of the act of 1946.

SETSWELL

FOR COMPOUNDS FOR CONDITIONING PRINTING INKS TO PREVENT OFFSETTING AND STOP MUFFLING.
Claims use since 1919.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 474,789. DEWEY PORTLAND CEMENT COMPANY, Kansas City, Mo. Original filed, act of 1905, Oct. 2, 1947; amended to application under act of 1946, Principal Register, June 4, 1948. Under section 2f of the act of 1946.



No claim is made for the words "Concrete Products" and "Cement" apart from the mark shown. The drawing is lined to indicate the color red. Applicant claims ownership of Registrations Nos. 290,413, 292,161, 299,338, and 351,473.
FOR CEMENT USED IN THE MANUFACTURE OF CONCRETE BLOCKS, PIPES, AND THE LIKE.
Claims use since Aug. 28, 1944.

Ser. No. 542,041. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 22, 1947.

TEX—LO

FOR FIREBRICK.
Claims use since Dec. 1, 1944.

Ser. No. 543,232. STANDARD CLAY PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed Dec. 3, 1947. Under section 2f of the act of 1946.



FOR FIRE BRICKS.
Claims use since Feb. 1, 1935.

Ser. No. 548,881. TEXAS VITRIFIED PIPE COMPANY, Mineral Wells, Tex. Filed Feb. 5, 1948.

TEX-VIT

FOR VITRIFIED CLAY SEWER PIPE, VITRIFIED CLAY FILTER UNDERDRAIN BLOCK, VITRIFIED CLAY DRAIN TILE, CLAY WALL COPING AND CLAY FLUE LINING.
Claims use since Dec. 18, 1947.

Ser. No. 551,397. NATIONAL GREENHOUSE CO., Pana, Ill. Filed Mar. 6, 1948. Under section 2f of the act of 1946

"PUTTIROPE"

FOR GLAZING COMPOSITION DETACHABLY MOUNTED UPON A FLEXIBLE CARRIER.
Claims use since April 1941.

Ser. No. 554,577. THE KAWNEER COMPANY, Niles, Mich. Filed Apr. 14, 1948.

ZOURITE

Applicant claims ownership of Registration No. 22,710.
FOR MOULDING, SHEET METAL WALL SURFACING PLATES WITH SUPPORTING FITTINGS THEREFOR AND METAL FACING STRIPS FOR MOULDING.
Claims use since Jan. 21, 1946.

Ser. No. 554,796. DAVID E. KENNEDY, INC., Brooklyn, N. Y. Filed Apr. 16, 1948.

KENCORK

Applicant claims ownership of Registrations Nos. 344,245, 396,155, and 424,034.
FOR FLOOR AND WALL TILE MADE OF CORK AND CORK GUM.
Claims use since July 10, 1936.

Ser. No. 555,836. OIL BASE, INC., Compton, Calif. Filed Apr. 29, 1948.

BLACK MAGIC OB

The drawing is lined for red.
FOR OIL BASE DRILLING FLUID.
Claims use since June 24, 1942.

Ser. No. 556,479. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 7, 1948. Under section 2f of the act of 1946.

CERAMO

FOR COATED ASBESTOS CEMENT SHINGLES.
Claims use since July 1, 1941.

Ser. No. 561,399. NATIONAL GREENHOUSE CO., Pana, Ill. Filed Mar. 6, 1948. Under section 2f of the act of 1946.

"PUTTITAPE"

Applicant claims ownership of Registration No. 390,340.
FOR GUM SEALING COMPOSITION ON A DEFORMABLE LEAD STRIP USED IN GLAZING OPERATIONS.
Claims use since June 28, 1940.

Ser. No. 562,404. HARRY H. REYNOLDS, Pasadena, Calif. Filed July 28, 1948.

ALUMALATH

FOR ALUMINUM STRIPS FOR LATH HOUSES AND AWNINGS.
Claims use since Dec. 1, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 537,608. MOUNTIES, INC., Boston, Mass. Filed Oct. 11, 1947. Under section 2f of the act of 1946.

STIC

FOR GUMMED CLOTH SUSPENSION RINGS TO HOLD PICTURES AND THE LIKE ON WALLS.
Claims use since Aug. 1, 1941.

Ser. No. 539,924. ZEIGLER, HARRIS & CO., Burbank, Calif. Filed Nov. 1, 1947.

Roto - Gloss

No claim is made to the word "Gloss" apart from the association shown.
FOR KITCHEN SINKS.
Claims use since Mar. 1, 1946.

Ser. No. 543,845. TALON, INC., Meadville, Pa. Filed Dec. 9, 1947.

WILSNAP

Applicant claims ownership of Registrations Nos. 114,606, 183,384, 236,582, 276,535, and 350,714.
FOR SLIDE FASTENERS AND COMPONENTS THEREFOR.
Claims use since Sept. 18, 1947.

Ser. No. 544,881. JAMES H. KRIEGK, Westport, Conn. Filed Dec. 19, 1947.

VENTREX

FOR VACUUM BREAKER VALVES FOR INTERNAL COMBUSTION ENGINES.
Claims use since May 10, 1941.

Ser. No. 545,050. JACQUES TRAUBE, doing business as Magicook Mfg. Co., Brooklyn, N. Y. Filed Dec. 20, 1947

magicook

FOR PRESSURE COOKERS.
Claims use since Oct. 15, 1947.

Ser. No. 545,563. TYLER PIPE & FOUNDRY COMPANY, Tyler, Tex. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

Tyler SPECIALTIES

The word "Specialties" is disclaimed apart from the mark as shown.
FOR PLUMBING SUPPLIES—NAMELY, METALLIC PLUGS FOR PIPE CLOSINGS, CAST IRON BRACKETS FOR SUPPORTING SINKS, CAST IRON PIPE AND FITTINGS THEREFOR, METAL FLOOR DRAINS, GATE VALVES, GREASE TRAPS, SPIGOTS, SINK COLLARS, FERRULES FOR PIPES, AND METALLIC PIPE HOUSINGS FOR GAS AND WATER MAIN VALVES.
Claims use since 1940.

Ser. No. 552,772. THE HELLER COMPANY, Cleveland, Ohio. Filed Mar. 23, 1948. Under section 2f of the act of 1946.

SUPERCLINCH

FOR STAPLES FOR STAPLING MACHINES.
Claims use since April 1936.

Ser. No. 552,773. THE HELLER COMPANY, Cleveland, Ohio. Filed Mar. 23, 1948. Under section 2f of the act of 1946.

HELLER

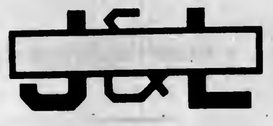
FOR STAPLING MACHINES.
Claims use since February 1931.

Ser. No. 562,295. THE SENG COMPANY, Chicago, Ill. Filed July 27, 1948. Under section 2f of the act of 1946 as to the word "Tilt."

SYNCRO-TILT

Applicant claims ownership of Registration No. 397,176.
FOR SWIVEL JOINTS AND SWIVEL ASSEMBLIES FOR CHAIRS.
Claims use since Mar. 18, 1940.

Ser. No. 567,405. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa. Filed Oct. 21, 1948.



FOR NAILS.
Claims use since 1927.

Ser. No. 567,746. ALLIED PRODUCTS CORPORATION, Detroit, Mich. Filed Oct. 28, 1948.



The trade-mark consists of the partially superimposed letters "RB" within a triangular outline, the sides of which are formed by outwardly curved lines. Applicant claims ownership of Registration No. 393,827.
FOR DOWEL PINS, SCREWS, AND STRIPPER BOLTS (A STRIPPER BOLT IS A BOLT USED FOR THE RETENTION AND LOCATION OF SPRING STRIPPERS ON PUNCH PRESS TOOLS).
Claims use since Apr. 1, 1927.

Ser. No. 569,596. BELL & GOSSETT COMPANY, Morton Grove, Ill. Filed Nov. 30, 1948.

HEATACHEK

FOR CHECK VALVES PRESSURE ACTUATED TO CLOSE AND GRAVITY ACTUATED TO OPEN.
Claims use since Oct. 17, 1947.

Ser. No. 570,544. E. M. DART MFG. CO., Providence, R. I. Filed Dec. 15, 1948.

PIC

FOR PIPE UNIONS.
Claims use since Aug. 2, 1948.

Ser. No. 570,553. EVERLASTING VALVE COMPANY, Jersey City, N. J. Filed Dec. 15, 1948. Under section 2f of the act of 1946.

EVERLASTING

Applicant claims ownership of Registration No. 145,264.
FOR VALVES FOR CONTROLLING THE FLOW OF FLUIDS.
Claims use since 1906.

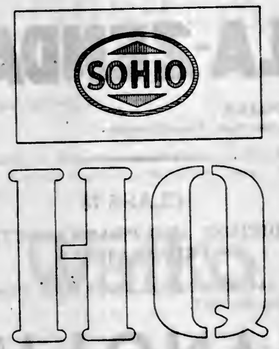
Ser. No. 573,324. JERGUSON GAGE & VALVE COMPANY, Somerville, Mass. Filed Feb. 4, 1949. Under section 2f of the act of 1946.

JERGUSON

FOR FLUID CONTROL VALVES.
Claims use since 1925.

CLASS 15
OILS AND GREASES

Ser. No. 561,349. THE STANDARD OIL COMPANY, Cleveland, Ohio. Filed July 14, 1948.



The drawing is lined for red and blue.
FOR LUBRICATING OIL.
Claims use since Mar. 24, 1943.

Ser. No. 564,739. RILEY BROS. INC., Burlington, Iowa. Filed Sept. 4, 1948. Under section 2f of the act of 1946.

RILEY BROS. THAT'S OIL

The word "Oil" is disclaimed. Applicant claims ownership of Registration No. 249,899.
FOR LUBRICATING OILS, LUBRICATING GREASES, GASOLINE, AND KEROSENE.
Claims use since June 1926.

Ser. No. 565,696. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Sept. 23, 1948.

SPEEDE

FOR REEL OIL.
Claims use since Oct. 20, 1926.

Ser. No. 566,816. UNIVERSAL MOTOR OILS CO., INC., Wichita, Kans. Filed Oct. 11, 1948.



The words "Motor Oil" and "Product" are disclaimed. Applicant claims ownership of Registrations Nos. 359,951, 380,630, and 167,820.
FOR LUBRICATING OILS AND GREASES.
Claims use since July 27, 1937.

Ser. No. 568,610. GILSON PRODUCTS COMPANY, Cleveland, Ohio. Filed Nov. 12, 1948. Under section 2f of the act of 1946.

DRAWCOTE

FOR INDUSTRIAL LUBRICATING AND COOLING COMPOSITION FOR FORMING ON METAL STOCK A DRY HOMOGENEOUS SELF-ADHERENT LUBRICATING AND COOLING FILM ADAPTED TO LUBRICATE THE METAL DURING SUBSEQUENT DIE FORMING AND OTHER SHAPING OPERATIONS.
Claims use since Dec. 3, 1942.

Ser. No. 570,159. B. ALTMAN & Co., New York, N. Y. Filed Dec. 8, 1948.

B&A

FOR CANDLES.
Claims use since 1915.

Ser. No. 571,020. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa. Filed Dec. 23, 1948. Under section 2f of the act of 1946.

PERFECTION

Applicant claims ownership of Registrations Nos. 59,780 and 97,326.
FOR LUBRICATING OILS.
Claims use since 1870.

Ser. No. 572,636. THE CINCINNATI OIL WORKS CO., Cincinnati, Ohio. Filed Jan. 24, 1949.

ANTICARBO

FOR LUBRICATING-OIL.
Claims use since Apr. 5, 1907.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 559,644. BLANCHE H. SCHWARTZ, doing business as Bestz Proofing Products, San Carlos, Calif. Filed June 18, 1948.

BESTZ

FOR LIQUID WATERPROOFING PREPARATION FOR APPLICATION TO WOOD, MASONRY, CLOTH, AND OTHER SIMILAR SURFACES.
Claims use since Jan. 2, 1948.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 556,673. GOVERNMENT OF ITALY, Rome, Italy. Filed May 18, 1948.

SANT' ANTONINO

FOR SNUFF.
Claims use since July 1, 1884, in Italy.

Ser. No. 561,406. YOCUM BROTHERS, INC., Reading, Pa. Filed Mar. 13, 1948.

SPANA-CUBA



The portrait represents no particular person, but is merely a fanciful portrait. No claim is made to the words "Spana-Cuba" apart from the mark as shown. Applicant claims ownership of Registration No. 230,463.
FOR CIGARS.
Claims use since 1892.

Ser. No. 570,957. THE S. FRIEDER & SONS COMPANY, Cincinnati, Ohio, and Philadelphia, Pa. Filed Dec. 22, 1948.

VESTA

FOR CIGARS AND CHEROOTS.
Claims use since Mar. 27, 1918.

Ser. No. 571,400. ASSOCIATED CIGAR COMPANY, Dallastown, Pa. Filed Dec. 31, 1948.

LA-ZENDA

FOR CIGARS.
Claims use since Nov. 27, 1944.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 544,141. BOTANY MILLS, INC., Passaic, N. J. Filed Dec. 12, 1947.

LANOLIP

FOR LIP POMADE.
Claims use since Nov. 26, 1947.

Ser. No. 546,127. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Jan. 3, 1948. Under section 2f of the act of 1946.

'Linctus'

Applicant claims ownership of Registration No. 139,697.
FOR SEDATIVE EXPECTORANT.
Claims use since Dec. 23, 1938.

Ser. No. 551,374. ETABLISSEMENTS ROQUES, SOCIÉTÉ ANONYME, Paris, France. Filed Mar. 6, 1948.

"ROQUESSINE"

Applicant claims ownership of French registration No. 398,024, dated Oct. 18, 1946.
FOR PREPARATION FOR THE TREATMENT OF AMOEBIC DYSENTERY, AMOEBIC HEPATITIS, AND INTESTINAL TRICHONOMA.

Ser. No. 555,980. ARKANSAS COMPANY INC., Newark, N. J. Filed May 1, 1948.

ARKOLENE

Applicant claims ownership of Registrations Nos. 405,026, 402,127, 292,294, and 309,241.
FOR SULFONIC ACID COMPOUNDS USEFUL AS WETTING AGENTS AND PENETRANTS IN THE WET PROCESSING OF TEXTILES PARTICULARLY IN DYE-BATHS AND CARBONIZING BATHS.
Claims use since August 1947.

Ser. No. 563,389. B. Y.'s INC. OF WASHINGTON, doing business as Surgical Balm Co., Seattle, Wash. Filed Aug. 14. 1948.

WoundeX

FOR OINTMENT USED FOR MEDICINAL PURPOSES.
Claims use since 1920.

Ser. No. 566,055. LOWELL J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa. Filed Sept. 28, 1948.

Walko

Applicant claims ownership of Registration No. 83,872.
FOR REMEDIES FOR USE IN POULTRY—NAMELY, POULTRY TONIC AND APPETIZER, VERMIFUGES, DRINKING WATER ANTISEPTIC, AND LICE POWDER.
Claims use since June 15, 1911.

Ser. No. 566,352. THE MALTBIE CHEMICAL COMPANY, Newark, N. J. Filed Oct. 2, 1948.

CALPURATE

FOR PREPARATION FOR THE TREATMENT OF CARDIOVASCULAR DISEASE.
Claims use since Mar. 31, 1936.

Ser. No. 566,355. THE MALTBIE CHEMICAL COMPANY, Newark, N. J. Filed Oct. 2, 1948.

LUSYN

FOR GASTRO-INTESTINAL ANTISPASMODIC ANTACID AND SEDATIVE.
Claims use since Oct. 15, 1942.

Ser. No. 566,598. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Oct. 7, 1948.

IOPLY

FOR IODINE TINCTURE.
Claims use since 1928.

Ser. No. 566,904. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 12, 1948.

Protefortis

Applicant claims ownership of Registration No. 423,726.
FOR MEDICINAL PREPARATION FOR THE TREATMENT OF NUTRITIONAL DEFICIENCIES.
Claims use since July 20, 1948.

Ser. No. 567,125. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Oct. 18, 1948.

NORMOCYTIN

FOR ANTI ANEMIA FACTOR.
Claims use since Oct. 5, 1948.

Ser. No. 567,546. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 23, 1948.

G-U-PENICILLIN

The word "Penicillin" is disclaimed. Applicant claims ownership of Registration No. 351,790.
FOR ANTIBIOTIC PROPHYLACTIC PREPARATION.
Claims use since Oct. 15, 1948.

Ser. No. 567,795. L. A. MOSHER COMPANY, Atlanta, Ga. Filed Oct. 28, 1948.

BOLCAPS

FOR VETERINARY PILLS.
Claims use since July 15, 1948.

Ser. No. 568,740. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Nov. 13, 1948.

HEXA-BETALIN

Applicant claims ownership of Registrations Nos. 340,678, 432,607, and 430,201.
FOR MEDICINAL PREPARATION OF VITAMIN B_6 KNOWN AS PYRIDOXINE HYDROCHLORIDE, WHICH IS USED IN THE TREATMENT OF NUTRITIONAL DEFICIENCIES.
Claims use since July 2, 1940.

Ser. No. 568,768. WHITEHALL PHARMACAL COMPANY, New York, N. Y. Filed Nov. 13, 1948. Under section 2f of the act of 1946.

Frey's

Applicant claims ownership of Registrations Nos. 55,607 and 329,686.
FOR VERMIFUGE.
Claims use since 1835.

Ser. No. 570,216. MILES LABORATORIES, INC., Elkhart, Ind. Filed Dec. 8, 1948. Under section 2f of the act of 1946.

ONE A DAY

Applicant claims ownership of Registration No. 397,637.
FOR VITAMIN TABLETS.
Claims use since Sept. 30, 1940.

Ser. No. 585,510. BAXTER LABORATORIES, INC., Morton Grove, Ill. Filed Sept. 29, 1949.

Travenol

FOR FLUIDS FOR PARENTERAL USE COMPRISING WATER FOR INJECTION; DEXTROSE IN WATER; DEXTROSE AND SODIUM CHLORIDE IN WATER; SODIUM CHLORIDE IN WATER; DEXTROSE AND VITAMINS IN WATER; DEXTROSE, SODIUM CHLORIDE, AND VITAMINS IN WATER; DEXTROSE, ALCOHOL, SODIUM CHLORIDE, AND VITAMINS IN WATER; DEXTROSE, ALCOHOL, AND VITAMINS IN WATER; SODIUM CHLORIDE, POTASSIUM CHLORIDE, AND CALCIUM CHLORIDE IN WATER; DEXTROSE, SODIUM CHLORIDE, POTASSIUM CHLORIDE, AND CALCIUM CHLORIDE IN WATER; SODIUM R-LACTATE IN WATER; SODIUM R-LACTATE, SODIUM CHLORIDE, POTASSIUM CHLORIDE, AND CALCIUM CHLORIDE IN WATER; SODIUM R-LACTATE, SODIUM CHLORIDE, POTASSIUM CHLORIDE, CALCIUM CHLORIDE, AND DEXTROSE IN WATER; DEXTROSE, ALCOHOL, AND SODIUM CHLORIDE IN WATER; DEXTROSE AND ALCOHOL IN WATER; HYDROLYZED PROTEIN IN WATER; DEXTROSE AND PROTEIN HYDROLYSATE IN WATER; ALCOHOL, DEXTROSE, AND PROTEIN HYDROLYSATE IN WATER; ACACIA AND SODIUM CHLORIDE IN WATER; INVERT SUGAR IN WATER; HISTAMINE DIPHOSPHATE AND POTASSIUM CHLORIDE IN WATER; HISTAMINE DIPHOSPHATE AND SODIUM CHLORIDE IN WATER; SODIUM SULFATE IN WATER; MEDICAL PREPARATIONS FOR TOPICAL APPLICATION COMPRISING PECTIN JELLY; AND LABORATORY REAGENTS COMPRISING; COPPER SULFATE IN WATER.
Claims use since Aug. 2, 1949.

CLASS 19
VEHICLES

Ser. No. 524,761. BERBERICH MANUFACTURING CO., Sioux City, Iowa. Original filed, act of 1905, June 25, 1947; amended to application under act of 1946, Principal Register, Feb. 17, 1949.

LOAD KING

The word "Load" is disclaimed.
FOR AUTOMOTIVE TRUCK BODIES.
Claims use since Apr. 29, 1947.

Ser. No. 561,441. BORG-WARNER CORPORATION, Chicago, Ill. Filed July 15, 1948. Under section 2f of the act of 1946.

LONG

FOR VEHICLE RADIATORS FOR THE COOLANT FLUID USED IN INTERNAL COMBUSTION ENGINES, AND RADIATORS FOR NON-ELECTRICAL VEHICLE HEATERS USING ENGINE COOLANT FLUID.
Claims use since Jan. 1, 1903.

Ser. No. 572,082. THE BUCKEYE STEEL CASTINGS COMPANY, Columbus, Ohio. Filed Jan. 13, 1949.

B

Applicant claims ownership of Registration No. 111,447.
FOR PARTS FOR RAILROAD CAR AND LOCOMOTIVE EQUIPMENT: DRAFT RIGGING PARTS—NAMELY, STRIKERS; BOLSTER CENTER FILLERS; COUPLER CARRIER WEAR PLATES; RADIAL CONNECTIONS; RADIAL CONNECTION SEATS; PILOT POCKET PARTS—NAMELY, PILOT DOORS, LATCHES AND LEVERS; CHEEK PLATES; COUPLER PARTS—NAMELY, LOCKS, THROWERS, SWIVEL PINS, PIN RETAINERS AND LOCK HOLE CAPS; CAR PARTS—NAMELY, UNDERFRAMES, DOOR POSTS, HOPPER DOORS, HOPPER DOOR FRAMES, CROSS BEARERS, CROSS BEARER ARMS, SIDE STAKES, SIDE BRACES AND BODY CENTER PLATES; LOCOMOTIVE PARTS—NAMELY, BUMPERS, WHEEL CENTERS AND DRAWBARS; TRUCK PARTS—NAMELY EQUALIZERS, EQUALIZER WEAR BLOCKS, EQUALIZER WEAR BLOCK SEATS, SPRING SEAT BRAKE HANGER BRACKETS, END BRAKE HANGERS, AIR CYLINDER SUPPORT BRACKETS, JOURNAL BOX RETAINING PLATES, SIDE BEARING BRIDGES, FRICTION BLOCKS, AND SPRING PLUNGER BLOCKS.
Claims use on the specified goods on the following dates: draft rigging parts, including—Strikers, October 1920, Bolster center fillers, April 1919, Coupler carrier wear plates, October 1922, Radial connections, March 1940, Radial connection seats, March 1940, Pilot pocket parts, such as: Pilot doors, January 1937, Latches, May 1939, Levers, August 1944, Cheek plates, September 1924, Coupler parts, such as: Locks, November 1894, Throwers, March 1916, Swivel pins, January 1932, Pin retainers, January 1934, Lock hole caps, August 1947; Car parts, including—Underframes, July 1928, Door posts, January 1936, Hopper doors, April 1929, Hopper door frames, March 1929, Cross bearers, May 1935, Cross bearer arms, October 1934, Side stakes, January 1930, Side braces, February 1943, Body center plates, August 1918; Locomotive parts, including—Bumpers, October 1930, Wheel centers, August 1942, Drawbars, February 1935; Truck parts, including—Equalizers, September 1916, Equalizer wear blocks, June 1926, Equalizer wear block seats, June 1926, Spring seat brake hanger brackets, July 1920, End brake hangers, September 1916, Air cylinder support brackets, August 1938, Journal box retaining plates, June 1925, Side bearing bridges, December 1926, Friction blocks, August 1945, Spring plunger blocks, April 1939.

Ser. No. 583,650. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed Aug. 18, 1949.

ROYAL FLYER

FOR BICYCLES.
Claims use since 1920.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 528,228. THE PIONEER TRUST & SAVINGS BANK, as trustee, Chicago, Ill. Filed July 9, 1947. CERTIFICATION MARK.

FOULDICATOR

FOR ELECTRICALLY OPERATED FOUL DETECTING AND INDICATING APPARATUS FOR BOWLING ALLEYS.
Claims use since October 1944.

Ser. No. 531,107. GENERAL POWER PLANT CORPORATION, New York, N. Y. Filed Aug. 12, 1947.

Robot-Eye

The word "Eye" is disclaimed.
FOR APPARATUS FOR AUTOMATICALLY REGULATING THE FUEL-AIR RATIO IN OIL BURNING EQUIPMENT AND FOR AUTOMATICALLY REGULATING THE AIR FLOW IN AIR CONDITIONING APPARATUS, SAID APPARATUS COMPRISING PHOTOELECTRIC CELLS, ENERGIZING LAMPS THEREFOR, ELECTRIC RELAYS, ELECTRIC SWITCHES, AMMETERS, RHEOSTATS, AND ELECTRIC MOTORS.
Claims use since Jan. 31, 1942.

Ser. No. 537,911. LORAIN PRODUCTS CORPORATION, Lorain, Ohio. Filed Oct. 15, 1947. Under section 2f of the act of 1947.

SUB-CYCLE

FOR ELECTRICAL STATIC FREQUENCY CONVERTERS.
Claims use since Jan. 8, 1936.

Ser. No. 548,643. ELECTROMASTER, INC., Mount Clemens, Mich., assignor to Philco Corporation, a corporation of Pennsylvania. Filed Feb. 3, 1948.

OVEN-EYE

No registration rights are claimed for the word "Oven" apart from the mark shown.
FOR GLASS WINDOWS FOR THE OVENS OF ELECTRIC RANGES.
Claims use since Sept. 25, 1947.

Ser. No. 550,372. ZIPPY CORPORATION, Oroville, Wash. Filed Feb. 21, 1948.

ZIPPY

Applicant claims ownership of Registration No. 390,449.
FOR JUICE-EXTRACTING MACHINE, ELECTRIC MOTOR DRIVEN.
Claims use since May 4, 1939.

Ser. No. 550,617. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 26, 1948.

HARMONY HOUSE

FOR ELECTRICAL LIGHTING APPARATUS — NAMELY, FLOOR LAMPS, TABLE LAMPS, BOUDOIR LAMPS, PIN-UP LAMPS, STUDY LAMPS, HURRICANE LAMPS, LAMP SHADES.
Claims use since July 15, 1946.

Ser. No. 550,618. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 26, 1948.

KENMORE

Applicant claims ownership of Registrations Nos. 306,432, 335,799, and 342,602.
FOR ELECTRICAL GOODS—NAMELY, GROUP A, VACUUM CLEANERS AND PARTS; GROUP B, RANGES; GROUP C, HEATERS, IRONS, FANS, FOOD MIXERS AND ATTACHMENTS FOR GRINDING, CHOPPING, SLICING, SHELLING, SHREDDING AND GRATING FOODS AND EXTRACTING FOOD JUICES; GROUP D, HEATING PADS FOR GENERAL PURPOSES; GROUP E, WAFFLE IRONS, BLANKETS; GROUP F, TOASTERS, ROASTERS, FOOD BLENDERS AND EMULSIFIERS; GROUP G, BROILERS, COOKERS, BOTTLE WARMERS, GRILLS, APPLIANCE CORDS, SEWING MACHINE MOTORS, SEWING MACHINE LIGHTS (WITH CORD).
Claims use since Apr. 15, 1932, on Group A; since July 16, 1935, on Group B; since Jan. 15, 1946, on Group C; since July 15, 1946, on Group D; since Nov. 1, 1946, on Group E; since Nov. 5, 1947, on Group F; and since Jan. 15, 1948, on Group G.

Ser. No. 550,735. RADIO MANUFACTURERS ASSOCIATION, Washington, D. C. Filed Feb. 27, 1948. CERTIFICATION MARK

THIS MODEL APPROVED BY RMA MEMBER ENGINEERING INSTITUTE

The words "This Model Approved By," "Engineering Institute," and "Member" are disclaimed.
FOR RADIO TRANSMITTING AND RECEIVING APPARATUS.
Claims use since August 1932.

Ser. No. 551,723. NATIONAL STEEL CONSTRUCTION CO., Seattle, Wash. Filed Mar. 11, 1948.

Kitchen Booster

The word "Kitchen" is disclaimed.
FOR AUTOMATIC ELECTRIC WATER HEATERS.
Claims use since Nov. 28, 1947.

Ser. No. 551,791. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Mar. 12, 1948.

DELCO RADIO

The drawing is lined for shading purposes only. The word "Radio" is disclaimed.
FOR RADIO RECEIVING SETS AND PARTS THEREOF—NAMELY, COILS, TRANSFORMERS, CONDENSERS, RESISTORS, TUBES, CONTROLS, SPEAKERS, VIBRATORS, AND POWDERED IRON CORES.
Claims use since Jan. 26, 1948.

Ser. No. 551,808. NATIONAL VACUUM CLEANER SUPPLY CO. INC., New York, N. Y. Filed Mar. 12, 1948.

SUPERSONIC

FOR ELECTRIC DOMESTIC VACUUM CLEANERS.
Claims use since Feb. 16, 1948.

Ser. No. 553,364. HAMILTON INDUSTRIES, Chicago, Ill. Filed Mar. 30, 1948.



FOR ELECTRIC LAMP SHADES.
Claims use since January 1936.

Ser. No. 554,191. ALL-STEEL EQUIPMENT INC., Aurora, Ill. Filed Apr. 9, 1948.



FOR ELECTRICAL BOXES—NAMELY, SWITCH, OUTLET, CEILING, CABLE CONDUIT, UTILITY, JUNCTION, CUTOUT, PULL AND RECEPTACLE, CONCRETE RINGS, COVERS AND PLATES FOR ELECTRICAL BOXES, BAR HANGERS FOR ELECTRICAL BOXES, AND ELECTRIC CABLE AND CONDUIT FITTINGS AND CONNECTORS.
Claims use since June 1933.

Ser. No. 555,513. INDEPENDENT PNEUMATIC TOOL COMPANY, Chicago, Ill. Filed Apr. 24, 1948.

Thor

Applicant claims ownership of Registrations Nos. 57,742, 97,111, 129,168, 237,202, 385,551, and 388,993.
FOR ELECTRICALLY ACTUATED PORTABLE POWER TOOLS—COMPRISING DRILLS, STAR DRILLS, SCREW DRIVERS, STUD SETTERS, NUT SETTERS, WRENCHES, REAMERS, TAPPERS, NIBBLERS, HAMMERS, SAWS, GRINDERS, VALVE SEAT GRINDERS, ROTARY FILES, WIRE BRUSH MACHINES, SANDERS, POLISHERS AND BUFFERS, AND PARTS, ATTACHMENTS AND ACCESSORIES THEREFOR COMPRISING ELECTRIC MOTORS, ARMATURE ASSEMBLIES, FIELD ASSEMBLIES, ELECTRIC CORD, PLUGS, SWITCHES, ROTOR ASSEMBLIES, STATOR ASSEMBLIES AND ELECTRIC MOTOR FANS.
Claims use since Aug. 11, 1913.

Ser. No. 556,286. RADIO ENGINEERING LABORATORIES, INC., Long Island City, N. Y. Filed May 5, 1948.

REL

Applicant claims ownership of Registration No. 247,272.
FOR RADIO BROADCAST TRANSMITTERS, RECEIVERS, AUDIO CONSOLES AND AMPLIFIERS FOR BROADCAST PURPOSES, RADIO RELAYS, TRANSMITTING AND RECEIVING ANTENNAS.
Claims use since October 1924.

Ser. No. 556,444. THE HUSE LIBERTY MICA COMPANY, Boston, Mass. Filed May 7, 1948.

HUSITE

FOR ELECTRIC INSULATIONS—NAMELY, COTTON TAPES, VARNISHED CAMBRIC, MICA PLATE, LAMINATED PHENOLICS, AND FIBRE.
Claims use since Sept. 13, 1946.

Ser. No. 556,878. ESSEX WIRE CORPORATION, Detroit, Mich. Filed May 12, 1948.

PARADUCT

FOR ELECTRICAL APPARATUS—NAMELY, INSULATED WIRES, INSULATED CABLES, AND INSULATING MATERIAL COMPOSED OF A NON-METALLIC TUBING OF PAPER AND COTTON CONSTRUCTION SATURATED WITH ASPHALT AND FINISHED WITH FLAME-PROOF WAX.
Claims use since June 1, 1930.

Ser. No. 559,717. KOEHLER MANUFACTURING COMPANY, Marlboro, Mass. Filed June 19, 1948. Under section 2f of the act of 1946.

WHEAT

FOR PORTABLE RECHARGEABLE MINERS' LAMPS, STORAGE BATTERIES FOR SAID LAMPS, AND CHARGING APPARATUS FOR SAID BATTERIES.
Claims use since 1923.

Ser. No. 562,433. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed July 29, 1948. Under section 2f of the act of 1946.

Biltwell

Applicant claims ownership of Registration No. 306,823.
FOR ELECTRIC RANGES, ELECTRIC SADIRONS, ELECTRIC HEATING PADS FOR GENERAL USE, ELECTRIC TOASTERS, ELECTRIC TOAST WARMERS, ELECTRIC TIE PRESSING IRONS, ELECTRIC CAKE MIXERS, ELECTRIC HOT PLATES, ELECTRIC SANDWICH TOASTERS, ELECTRIC WAFFLE IRONS, AND ELECTRIC PERCOLATORS.
Claims use since March 1931.

Ser. No. 567,442. VIDEODYNE, INC., Stamford, Conn. Filed Oct. 21, 1948.

Videodyne

FOR TELEVISION RECEIVERS.
Claims use since Aug. 1, 1948.

Ser. No. 567,873. OHMITE MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 29, 1948.

OHMITE

FOR RESISTORS, RHEOSTATS, CHOKES, AND TAP SWITCHES.
Claims use since Aug. 1, 1925.

Ser. No. 568,932. THE CHASE-SHAWMUT COMPANY, Newburyport, Mass. Filed Nov. 17, 1948.

Trion

FOR ELECTRIC FUSES AND FUSE LINKS THEREFOR
Claims use since December 1945.

Ser. No. 570,830. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Des Plaines, Ill. Filed Dec. 20, 1948.

Benco

FOR WATERPROOF ELECTRIC LAMP SOCKETS.
Claims use since July 1903.

Ser. No. 571,108. BELDEN MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 27, 1948.

NYLENAMEL

Applicant claims ownership of Registration No. 431,217.
FOR INSULATED WIRE FOR USE IN ELECTRICAL APPARATUS.
Claims use since May 13, 1944.

Ser. No. 571,143. JARCO METAL PRODUCTS CORP., New York, N. Y. Filed Dec. 27, 1948.

JARCO

FOR FLASHLIGHTS AND PARTS THEREOF.
Claims use since Dec. 10, 1948.

Ser. No. 571,368. UNION SPECIAL MACHINE COMPANY, Chicago, Ill. Filed Dec. 30, 1948.

Union Special

Applicant claims ownership of Registration No. 49,361.
FOR ELECTRO MECHANICAL DRIVES FOR SEWING MACHINES, AND THE LIKE, ELECTRIC TRANSMITTERS, ELECTRONIC SEAMING MACHINES FOR BONDING DIELECTRIC MATERIALS, AND PARTS OF SAID DRIVES, TRANSMITTERS, AND MACHINES.
Claims use since July 31, 1935.

Ser. No. 571,398. R. E. ANDERSON, Aurora, Ill. Filed Dec. 31, 1948.

Manumatic

FOR ELECTRIC SWITCHES.
Claims use since Dec. 27, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 534,623. HALEX, LIMITED, London, England. Filed Sept. 16, 1947.

METEOR

Applicant claims ownership of British Registration No. 526,213, dated Oct. 7, 1931.
FOR TABLE TENNIS BALLS.

Ser. No. 541,150. LIQUID ICE CORPORATION, Seattle, Wash. Filed Nov. 14, 1947.

LIQUID ICE

No claim is made to the exclusive use of the word "Liquid" apart from the mark as shown.
FOR SPORTSMAN'S KIT, CONTAINING TABLETS OF A NON-TOXIC, ANTISEPTIC CHEMICAL, TO BE MIXED WITH WATER TO MAKE A SPRAY SOLUTION,

FOR PURPOSE OF PRESERVING FRESHLY-KILLED GAME, FISH, ETC. THE SOLUTION IS APPLIED BY MEANS OF AN ATOMIZER-TYPE BOTTLE INCLUDED AS PART OF THE KIT.
Claims use since Oct. 29, 1947.

Ser. No. 551,341. VAN SCIVER PRODUCTS COMPANY, Philadelphia, Pa. Filed Mar. 5, 1948.

FREDDY-FISH

The word "Fish" is disclaimed.
FOR TOY FISHING GAME.
Claims use since Nov. 3, 1947.

Ser. No. 553,641. ADOLPH MARTIN ROTHBARDT, Chicago, Ill. Filed Apr. 1, 1948.

KANDYSKOPE

FOR TOY KALEIDOSCOPE FILLED WITH HARD CANDY.
Claims use since Feb. 10, 1948.

Ser. No. 554,180. JOSEPH J. WASSER, St. Louis, Mo. Filed Apr. 8, 1948.

MOO MOO

FOR TOY COIN BANKS.
Claims use since Jan. 23, 1948.

Ser. No. 554,897. IDEAL NOVELTY & TOY CO., Hollis, N. Y. Filed Apr. 17, 1948.

Baby COOS

The word "Baby" is disclaimed.
FOR DOLLS.
Claims use since Apr. 2, 1948.

Ser. No. 555,316. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Filed Apr. 22, 1948.

LITTLE ARTIST

FOR CHILDREN'S PAINT AND CRAYON SETS.
Claims use since September 1930.

Ser. No. 555,571. TIMELY TOYS, INC., St. Louis, Mo. Filed Apr. 24, 1948.

TIMELY Turnabout*

The word "Turnabout" is disclaimed apart from the mark as shown.
FOR TOY MECHANICAL AUTOMOBILES.
Claims use since Nov. 20, 1947.

Ser. No. 567,695. ARTHUR A. HARDER, Brooklyn, N. Y. Filed Oct. 27, 1948.

WiDeHi

FOR PASTEBOARD BOXES, ADAPTED FOR USE AS PICTURE FRAMES, CONTAINING A PLURALITY OF SEPARATE SHEETS OF CARDBOARD, METALLIZED PAPER OR THE LIKE, WHOLLY OR PARTLY SEVERED OR MARKED FOR SEVERANCE INTO ELEMENTS ADAPTED TO BE ASSEMBLED BY THE USER INTO A FRAMED, THREE-DIMENSIONAL DISPLAY OR PICTURE.
Claims use since Oct. 7, 1948.

Ser. No. 574,371. NORTHWESTERN MAIL BOX COMPANY, doing business as Northwestern Products Co., St. Louis, Mo. Filed Feb. 23, 1949.

Little Deb

Applicant claims ownership of Registration No. 393,566.
FOR TOYS, PARTICULARLY DIMINUTIVE HOUSEHOLD ARTICLES AND MECHANICALLY ANIMATED FIGURES.
Claims use since July 15, 1941.

Ser. No. 575,932. SAYCO DOLL CORPORATON, New York, N. Y. Filed Mar. 23, 1949.

Sayco

FOR DOLLS.
Claims use since Jan. 10, 1923.

Ser. No. 576,873. MONARCH SHUFFLEBOARD, INC., Chicago, Ill. Filed Apr. 9, 1949.

SHUFFLETTE

FOR SHUFFLEBOARD GAME.
Claims use since Oct. 1, 1941.

Ser. No. 576,950. ATLANTC PRODUCTS CORPORATION, Trenton, N. J. Filed Apr. 12, 1949.

COM-PAR-TO

FOR GOLF BAGS.
Claims use since Oct. 21, 1948.

Ser. No. 577,230. SHUFFLETTE, INC., Cincinnati, Ohio. Filed Apr. 15, 1949.



FOR GAME BOARDS.
Claims use since Feb. 3, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 504,048. JACUZZI BROS., INCORPORATED, Richmond, Calif. Original filed, act of 1905, June 17, 1946; amended to application under act of 1946, Principal Register, Feb. 13, 1948. Under section 2f of the act of 1946.



The word "Pumps" and the representation of the goods are disclaimed per se. The drawing has been lined to indicate the color red but no claim is made to such color.
FOR INJECTOR TYPE PUMPS, TURBINE PUMPS, AND IMPELLER TYPE PUMPS.
Claims use since June 1, 1936.

Ser. No. 509,260. GEORGE E. SMITHBURN, Berkeley, Calif., assignor to Univator, Inc., Berkeley, Calif., a corporation of California. Original filed, act of 1905, July 8, 1946; amended to application under act of 1946, Principal Register, Feb. 17, 1948.

Smithburn UNIVATOR

The word "Smithburn" is disclaimed.
FOR CULTIVATORS AND ACCESSORIES THEREFOR—NAMELY, MILLERS, DITCHERS, MOWERS, AND SPIKERS.
Claims use since May 15, 1946.

Ser. No. 515,689. V-MAC INDUSTRIES, INC., Guilford, Conn. Original filed, act of 1905, Jan. 13, 1947; amended to application under act of 1946, Principal Register, Nov. 14, 1947.

V MAC TOOLS

The word "Tools" is disclaimed apart from the mark as shown.
FOR PIPE THREADING TOOLS—NAMELY, MANUALLY OPERATED DIES AND REAMERS.
Claims use since Nov. 27, 1946.

Ser. No. 521,685. PNEU-TROL DEVICES, INC., Chicago, Ill. Original filed, act of 1905, May 1, 1947; amended to application under act of 1946, Principal Register, Dec. 30, 1947.

Electric-Air Controls

The mark includes the irregular background contour, shown by stippling in the drawing, in imitation of a coat of paint so thin that the background shows through a little. No claim is made to the words "Electric-Air Controls."
FOR FLUID-FLOW APPARATUS COMPRISED OF INTERCONNECTED SOLENOID-CONTROLLED OPERATING CYLINDERS DESIGNED FOR USE AS AUTOMATIC TIME-SEQUENCE ACTUATORS OF VARIABLE ADJUSTMENTS, FOR VARIOUS CONTROL LEVERS OF MACHINES OF VARIOUS TYPES TO RENDER THE CONTROL THEREOF PARTLY OR FULLY AUTOMATIC.
Claims use since Mar. 17, 1947.

Ser. No. 527,174. W. N. MATTHEWS CORPORATION, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

MATTHEWS

Applicant claims ownership of Registrations Nos. 233,969, 240,932, 253,114, 253,115, 253,116, 407,390, 408,900, and 409,212.
FOR QUICK-RELEASE PORTABLE WIRE SLACK PULLERS FOR TENSIONING ELECTRIC WIRE AND CABLE, PORTABLE ADJUSTABLE REEL MACHINES FOR PLAYING OUT AND TAKING UP WIRE, LAMP CHANGERS, AND INSTALLATION TOOLS FOR EARTH ANCHORS—NAMELY, AUGERS AND WRENCHES.
Claims use since 1905 on installation tools for earth anchors including augers and wrenches and lamp changers; since September 1923 on wire reels; and since 1925 on wire slack pullers.

Ser. No. 527,797. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed July 5, 1947. Under section 2f of the act of 1946 as to "Auto."

AUTO-ALIGNER

No claim is made to the word "Aligner" for use on manifolding attachments for typewriting machines apart from the mark as shown. Applicant claims ownership of Registration No. 289,139.
FOR MANIFOLDING ATTACHMENT FOR TYPEWRITING MACHINES.
Claims use since May 15, 1931.

Ser. No. 528,088. MCCULLOUGH TOOL COMPANY, Los Angeles, Calif. Filed July 7, 1947. Under section 2f of the act of 1946.

McCULLOUGH

FOR OIL WELL TOOLS AND PARTS—NAMELY, GUN PERFORATORS AND PARTS THEREOF, SAFETY JOINTS, CASING WHIPSTOCKS, BUMPER SUBS AND PARTS, ROTARY JARS, EXTERNAL DRILL PIPE CUTTERS, LONG KNIFE INTERNAL CASING CUTTERS, COLLAR FINDERS, ROTARY RELEASING SOCKETS, AND ROTARY RELEASING SPEARS.
Claims use since 1927.

Ser. No. 528,658. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed July 15, 1947. Under section 2f of the act of 1946 as to "Smooth."

"SMOOTH FLO"

"Flo" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 387,800 and 390,905.
FOR HAND PUMP FOR HANDLING GASOLINE, OILS, AND LIQUIDS.
Claims use since Aug. 1, 1940.

Ser. No. 531,034. HART-CARTER COMPANY, doing business as Carter-Mayhew Mf'g. Co., Minneapolis, Minn. Filed Aug. 11, 1947.

SCALPERATOR

Applicant claims ownership of Registration No. 287,721.
FOR GRAIN CLEANING MACHINERY—NAMELY, SCALPERS.
Claims use since Jan. 1, 1927.

Ser. No. 532,683. CARRY-MCFALL COMPANY, Philadelphia, Pa. Filed Aug. 28, 1947.

CAR—MAC

FOR CARBIDE CUTTING TOOLS.
Claims use since Mar. 1, 1947.

Ser. No. 537,994. THE DUMONT CORPORATION, Greenfield, Mass. Filed Oct. 16, 1947.



The conventional color symbol for red has been used.
FOR KEYWAY CUTTING BROACH AND BUSHING SETS, THE INDIVIDUAL PARTS THEREOF, AND HAND OPERATED ARBOR PRESSES.
Claims use since 1947.

Ser. No. 543,731. THE MOTO-TRUC COMPANY, Cleveland, Ohio. Filed Dec. 8, 1947. Under section 2f of the act of 1946.



FOR POWER DRIVEN LIFT TRUCKS.
Claims use since June 3, 1938.

Ser. No. 544,747. MATERIEL INDUSTRIEL S. A., Lausanne, Switzerland. Filed Dec. 18, 1947.



The representation of the railroad tracks, ties and ballast are disclaimed apart from the mark as shown. Applicant claims ownership of Swiss Registration No. 120,374, dated May 2, 1947.

FOR TAMPING MACHINES FOR THE MAINTENANCE OF RAILROAD RIGHT OF WAYS, BALLAST EXCAVATING, SCREENING AND RELAYING MACHINES, TRACK RAISING AND LEVELING MACHINES, UNIVERSAL BOLT AND SLEEPER SCREW DRIVING MACHINES, RAIL DRILLING MACHINES, TIE DRILLING MACHINES, PULSATORS, MOTOR RAIL TRUCKS, RAIL SAWS.

Ser. No. 547,204. E. R. WAGNER MANUFACTURING COMPANY, Milwaukee, Wis. Filed Jan. 15, 1948.

MOV-O-MATIC

FOR COMB TYPE BRUSH CLEANING MECHANISM FOR CARPET SWEEPERS.
Claims use since July 1947.

Ser. No. 547,436. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa. Filed Jan. 19, 1948.

ENTERPRISE COFFEE MERCHANT

The words "Coffee Merchant" are disclaimed. Applicant claims ownership of Registration No. 353,242.
FOR COFFEE MILLS.
Claims use since Oct. 28, 1937.

Ser. No. 549,285. JOHN L. COON and HAROLD V. FARNSWORTH, trustees of Atkinson, Haserick & Co., Boston, Mass. Filed Feb. 10, 1948.

HACOBA

FOR AUTOMATIC MACHINES FOR WINDING A NUMBER OF TEXTILE YARNS SIMULTANEOUSLY ON AN EQUAL NUMBER OF BOBBINS AND REPLACING FILLED BOBBINS WITH EMPTY BOBBINS.
Claims use since June 1936.

Ser. No. 549,629. GIBRALTER EQUIPMENT & MANUFACTURING CO., Alton, Ill. Filed Feb. 13, 1948.



The portrait of the man is fanciful. The slogan "Better Than Extra Hands—Makes Super-Men of Miners" is disclaimed apart from the mark as shown.

FOR RAIL PUNCHES, RAIL LEVELERS, RAIL BENDERS, RERAILERS, DERAILERS, KEYSETTING MACHINES, GREASE GUNS, SPIKE LEVERAGE BARS AND COMBINATION FITTINGS FOR USE THEREWITH, RAIL TONGS, TIE TONGS, TRACK DRILLS, CAR STOPS, MINE JACKS, TRACK JACKS, SPIKE MAULS, TRACK CHISELS, TRACK WRENCHES, RAIL SAWS, CLAW BARS, ADZES, AND MANUAL CAR MOVERS.
Claims use since 1941.

Ser. No. 550,400. FARM TOOLS, INC., Mansfield, Ohio. Filed Feb. 24, 1948.



The representation of the goods is disclaimed. The drawing is lined for orange and red.
FOR PLOWS.
Claims use since Jan. 10, 1936.

Ser. No. 550,438. RHINO WRENCH COMPANY, Denver, Colo. Filed Feb. 24, 1948.



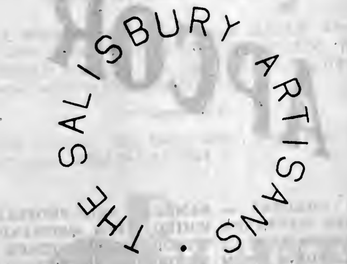
The word "Wrench" is disclaimed.
FOR WRENCHES.
Claims use since July 25, 1947.

Ser. No. 551,702. EKCO PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 11, 1948.

EKCOLINE

FOR KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS — NAMELY, VEGETABLE MASHERS, SPOONS, MEAT AND CAKE TURNERS, FORKS, LADLES, CULINARY WHIPS, SPATULAS, SCOOPS, EGG BEATERS, AND PASTRY SERVERS, ALL MADE OF BASE METALS.
Claims use since Oct. 15, 1947.

Ser. No. 554,260. THE SALISBURY CUTLERY HANDLE COMPANY, Salisbury, Conn. Filed Apr. 9, 1948. Under section 2f of the act of 1946 as to "Salisbury."



FOR MUDDLERS, SALT AND PEPPER SPOONS, MADE OF MATERIAL OTHER THAN PRECIOUS METAL-WARE, PEPPER MILLS AND CUTTING BOARDS.
Claims use since 1880 as to "Salisbury"; and since July 1, 1947, as shown.

Ser. No. 554,613. SECO COMPANY, INC., St. Louis, Mo. Filed Apr. 14, 1948.

Seco-Superex

FOR SODA FOUNTAINS.
Claims use since Jan. 6, 1948.

Ser. No. 557,097. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa. Filed May 15, 1948.

Certi-Crimp

No claim is made to the word "Crimp" alone and apart from the other features of the mark as shown.
FOR HAND COMPRESSION ELECTRICAL CONNECTOR CRIMPING TOOLS.
Claims use since Dec. 18, 1947.

Ser. No. 557,334. AMERICAN IRON & MACHINE WORKS COMPANY, Oklahoma City, Okla. Filed May 19, 1948.

SIMPLO-FRICTION

The word "Friction" is disclaimed.
FOR CATHEADS.
Claims use since July 1, 1947.

Ser. No. 559,385. RODNEY HUNT MACHINE CO., Orange, Mass. Filed Feb. 12, 1948. Under section 2f of the act of 1946.

"SHAF-TITE"

Applicant claims ownership of Registration No. 262,075.
FOR WOOD, RUBBER, AND METAL ROLLS FOR USE IN INDUSTRIAL MACHINERY.
Claims use since Mar. 24, 1927.

Ser. No. 563,085. SCREW CONVEYOR CORPORATION, Hammond, Ind. Filed Aug. 9, 1948. Under section 2f of the act of 1946.

NU-TYPE

No claim is made to the word "Type" apart from the mark as shown. Applicant claims ownership of Registration No. 357,369.
FOR ELEVATOR BUCKETS.
Claims use since Apr. 1, 1935.

Ser. No. 563,140. UTICA DROP FORGE & TOOL CORPORATION, Utica, N. Y. Filed Aug. 10, 1948. Under section 2f of the act of 1946.

UTICA

Applicant claims ownership of Registration No. 83,793.
FOR PLIERS, NIPPERS, WRENCHES, SNIPS, AND HAND-OPERATED TOOLS HAVING RELATIVELY MOVABLE JAWS FOR CUTTING, GRIPPING, AND ENGAGING WORK.
Claims use since Dec. 1, 1910.

Ser. No. 563,141. UTICA DROP FORGE & TOOL CORPORATION, Utica, N. Y. Filed Aug. 10, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 83,793.
FOR PLIERS, NIPPERS, WRENCHES, SNIPS, AND HAND-OPERATED TOOLS HAVING RELATIVELY MOVABLE JAWS FOR CUTTING, GRIPPING, AND ENGAGING WORK.
Claims use since Dec. 1, 1910.

Ser. No. 563,496. SCREW CONVEYOR CORPORATION, Hammond, Ind. Filed Aug. 16, 1948. Under section 2f of the act of 1946.

NU-WELD

No claim is made to the word "Weld" apart from the mark as shown. Applicant claims ownership of Registration No. 396,891.

FOR ELEVATING AND CONVEYING APPARATUS COMPRISING HELICAL AND SCREW CONVEYORS AND PARTS THEREOF AND PARTICULARLY THE JOINTS AND CONNECTIONS BETWEEN SAID PARTS.

Claims use since May 22, 1941.

Ser. No. 563,732. THE FARRAR BOILERWORKS LIMITED, Newark-on-Trent, England. Filed Aug. 19, 1948.



The representation of the fish and the words "Fish Meal Plants" are disclaimed. Applicant claims ownership of British Registration No. 643,028, dated Dec. 19, 1945.

FOR EXTRACTORS, EXTRACTION PLANTS, PRESSES, AND PARTS THEREOF, ALL FOR THE MANUFACTURE OF FISH MEAL AND OTHER PRODUCTS, AND FOR THE EXTRACTION OF OIL AND OTHER PRODUCTS.

Ser. No. 564,577. THE LYMAN GUN SIGHT CORPORATION, Middlefield, Conn. Filed Sept. 2, 1948. Under section 2f of the act of 1946.

TRU-LINE

FOR PRESSES FOR PRESSING BUSHINGS ON AND OFF OF ARBORS, FOR LOADING CARTRIDGES AND OTHER USES FOR WHICH ARBOR PRESSES ARE ORDINARILY EMPLOYED.

Claims use since Apr. 20, 1938.

Ser. No. 565,652. PULVERISING MACHINERY COMPANY, Summit, N. J. Filed Sept. 22, 1948.

MIKRO-SAMPLMILL

No claim is made to the word "Samplmill" apart from the mark. Applicant claims ownership of Registrations Nos. 277,258, 419,318, and 441,407.

FOR GRINDING AND PULVERIZING MACHINES FOR GRINDING CHEMICALS, COLORS, DYES, COAL, CLAYS, ORES, AND OTHER MINERALS, FOODS, SPICES, DRUGS, ETC.

Claims use since Apr. 9, 1948.

Ser. No. 565,965. REED ROLLER BIT COMPANY, Houston, Tex. Filed Sept. 27, 1948

CLECO

FOR FASTENING DEVICES TO BE INSERTED IN PREFORMED RIVET OR BOLT HOLES FOR THE PURPOSE OF HOLDING RELATIVELY THIN SHEETS IN REGISTER PRIOR TO THE APPLICATION OF BOLTS OR RIVETS.

Claims use since Apr. 28, 1948.

Ser. No. 566,062. ATHEY PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 29, 1948.

APCOR

FOR LOADERS — NAMELY, SELF-PROPELLED LOADING MACHINES WHICH WITH MECHANICAL CONVEYORS PICK UP WINDROWS AND OTHER ACCUMULATIONS OF MATERIAL TO BE DEPOSITED IN ACCOMPANYING VEHICLES, AND TRACTOR-SUPPORTED LOADING MACHINES PROVIDED WITH BOOM-CARRIED BUCKETS; AND TRACK-LAYING OR CRAWLER WHEEL UNITS.

Claims use since Oct. 1, 1945.

Ser. No. 566,719. REPUBLIC DRILL & TOOL COMPANY, Chicago, Ill. Filed Oct. 8, 1948.



FOR TWIST DRILLS.

Claims use since Jan. 10, 1944.

Ser. No. 566,720. REPUBLIC DRILL & TOOL COMPANY, Chicago, Ill. Filed Oct. 8, 1948.

REPUBLIC

FOR TWIST DRILLS.

Claims use since Oct. 8, 1945.

Ser. No. 566,764. PETTIBONE MULLIKEN CORPORATION, Chicago, Ill. Filed Oct. 9, 1948.

NITE-GANG

FOR PORTABLE MACHINES FOR COLLECTING, REMOVING SCRAP FROM, SCREENING, AERATING, AND DISCHARGING IN STREAM FORM FOUNDRY MOLDING SAND.

Claims use since May 3, 1948.

Ser. No. 566,886. MUNISING WOOD PRODUCTS COMPANY, INC., Chicago, Ill. Filed Oct. 12, 1948. Under section 2f of the act of 1946.

Munising

FOR WOODEN SPOONS, STEAK MAULS, WOODEN ROLLING PINS, WOODEN BUTTER MOULDS, WOODEN BREAD BOARDS, WOODEN SUGAR SPADES.

Claims use since December 1929.

Ser. No. 567,232. THE BAIRD MACHINE COMPANY, Stratford, Conn. Filed Oct. 20, 1948.



FOR POWER DRIVEN RIDING GARDEN TRACTORS.

Claims use since April 1948.

Ser. No. 568,315. THE LOCKFORMER COMPANY, Chicago, Ill. Filed Nov. 6, 1948. Under section 2f of the act of 1946.

LOCKFORMER

FOR SHEET METAL ROLLING MACHINES.

Claims use since Feb. 13, 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 490,489. INDUSTRIAL TIMER CORPORATION, Newark, N. J. Original filed, act of 1905, Oct. 25, 1945; amended to application under act of 1946, Principal Register, Oct. 15, 1948. Under section 2f of the act of 1946.

TIME-O-LITE

FOR ELECTRIC TIMING SWITCHES FOR PHOTOGRAPHIC AND INDUSTRIAL USES.

Claims use since Dec. 5, 1938.

Ser. No. 523,009. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich. Original filed, act of 1905, May 24, 1947; amended to application under act of 1946, Principal Register, July 9, 1947. Under section 2f of the act of 1946 as to "Burroughs."



Applicant claims ownership of Registrations Nos. 66,134 and 343,430.

FOR BUSINESS MACHINES—NAMELY, ADDING MACHINES, LISTING MACHINES, CALCULATING MACHINES, KEY OPERATED CALCULATORS, AUTOMATIC CALCULATORS, BOOKKEEPING MACHINES, ACCOUNTING MACHINES, STATISTICAL MACHINES, BILLING MACHINES, TYPEWRITER-CALCULATING MACHINES, ADDING MACHINES WITH CASH DRAWERS ATTACHED THERETO, CASH REGISTERS, AND PARTS FOR ALL OF SAID MACHINES, INCLUDING PLATEN TWIRLERS, RUBBER FEET, AND RUBBER KEY TOPS.

Claims use since Mar. 19, 1947, as shown.

Ser. No. 536,007. STIMPSON COMPUTING SCALE COMPANY, Louisville, Ky. Filed Sept. 27, 1947. Under section 2f of the act of 1946.



The words "True Weight" are disclaimed except as a part of the mark.

FOR COMPUTING COMMODITY SCALES FOR WEIGHING FOOD COMMODITIES AND THE LIKE.

Claims use since 1923.

Ser. No. 550,850. THE TAPPAN STOVE COMPANY, Mansfield, Ohio. Filed Feb. 28, 1948.

VISIMINDER

FOR ADJUSTABLE SIGNALING MEANS FOR USE ON COOKING RANGES WHICH MAY BE SET TO GIVE A VISUAL AND AUDIBLE SIGNAL AFTER A PREDETERMINED LAPSE OF TIME.

Claims use since Jan. 1, 1941.

Ser. No. 555,794. AUDIENCE COMPUTING SYSTEM, INC., New York, N. Y. Filed Apr. 29, 1948.

TELEVOTE

FOR ELECTRICAL APPARATUS FOR MEASURING AND COMPUTING THE NUMBER OF RADIO AND TELEVISION RECEIVERS TUNED TO A GIVEN PREDETERMINED FREQUENCY.
Claims use since Jan. 20, 1948.

Ser. No. 563,755. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 8, 1948.

ALLSTATE

Applicant claims ownership of Registration No. 309,736.
FOR AUTOMOBILE SUPPLIES—NAMELY, GROUP A, BATTERY TESTERS, FREEZOMETERS, VOLTMETERS, THICKNESS GAUGES; GROUP B, ENGINE ANALYZERS, COMPRESSION TESTERS, ARMATURE TESTERS; GROUP C, THERMOSTATS, BATTERY HYDROMETERS, TIRE GAUGES, HEAT GAUGES, OIL PRESSURE GAUGES.
Claims use since July 15, 1945, on Group A; since Jan. 15, 1946, on Group B, and since July 15, 1946, on Group C.

Ser. No. 561,340. RADIATION COUNTER LABORATORIES, INC., Chicago, Ill. Filed July 14, 1948.

RCL

FOR INSTRUMENTS FOR MEASUREMENT OF RADIO-ACTIVITY.
Claims use since Apr. 7, 1948.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 567,869. MIDO WATCH COMPANY OF AMERICA INC., New York, N. Y., assignor to Societe Anonyme Mido, Bienne, Switzerland. Filed Oct. 29, 1948.

Mido

MULTIFORT
GOLDCOVER

Applicant disclaims the word "Gold Cover" apart from the mark. Applicant claims ownership of Registrations Nos. 225,024, 399,480, 428,248 and 441,292.
FOR WATCHES, PARTS OF WATCHES, AND WATCH CASES.
Claims use since Oct. 15, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 534,255. THE EASTERLING COMPANY, Chicago, Ill. Filed Sept. 12, 1947.

American Classic

FOR STERLING SILVER FLATWARE AND HOLLOW WARE.
Claims use since December 1944.

Ser. No. 549,906. C. WREN BROS., New York, N. Y. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

SLIP-THRU

FOR WATCH STRAPS MADE OF LEATHER.
Claims use since Jan. 15, 1943.

Ser. No. 567,306. FORSTNER CHAIN CORPORATION, Irvington, N. J. Filed July 24, 1948.

DAPPER

Applicant claims ownership of Registration No. 412,598.
FOR WRIST WATCH BRACELETS, WATCH CHAINS NOT INCLUDING WATCHES, CUFF LINKS, KEY CHAINS, TIE HOLDERS, SHIRT STUDS AND COLLAR BUTTONS, MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since Jan. 27, 1944.

Ser. No. 575,918. NATIONAL SILVER COMPANY, New York, N. Y. Filed Mar. 23, 1949.

QUEEN'S ROSE

The word "Rose" is disclaimed.
FOR STERLING SILVER FLATWARE.
Claims use since Mar. 11, 1949.

Ser. No. 576,618. CLARENCE M. BRADBURY, Brooklyn, N. Y. Filed Apr. 5, 1949.



The representation of a cut stone is disclaimed.
FOR FINGER RINGS.
Claims use since Feb. 14, 1949.

Ser. No. 576,875. NATIONAL SILVER COMPANY, New York, N. Y. Filed Apr. 9, 1949.

IMPERIAL ROSE

The word "Rose" is disclaimed. Applicant claims ownership of Registrations Nos. 369,796 and 509,101.
FOR STERLING SILVER AND SILVERPLATED FLATWARE.
Claims use since Mar. 31, 1949.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 529,187. NATIONAL INDUSTRIES FOR THE BLIND, New York, N. Y. Filed July 22, 1947.



Applicant disclaims the words "Product of Blind Craftsmen" apart from the mark as shown.
FOR BROOMS.
Claims use since Nov. 9, 1946.

Ser. No. 557,226. G. H. TENNANT COMPANY, Minneapolis, Minn. Filed May 17, 1948. Under section 2f of the act of 1946.

TENNANT

FOR SWEEPING MOP AND SQUEEGEE.
Claims use since July 1, 1933.

Ser. No. 564,151. PLEE-ZING, INC., Chicago, Ill. Filed Aug. 25, 1948.

PLEE-ZING

The drawing is lined for the color red. Applicant claims ownership of Registrations Nos. 249,232 and 262,291.
FOR BROOMS, SCRUBBING BRUSHES, DUSTERS, USED IN THE MANUAL DUSTING OF FURNITURE AND THE LIKE.
Claims use since December 1922.

Ser. No. 571,386. THE JOSEPH LAY COMPANY, INC., Portland, Ind. Filed Nov. 8, 1948. Under section 2f of the act of 1946.

KITCHENETTE

Applicant claims ownership of Registration No. 338,911.
FOR BROOMS.
Claims use since July 1, 1935.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 563,682. LIPPINCOTT & MARGULIES, INC., New York, N. Y. Filed Aug. 18, 1948.



The word "Cube" and the representation of the cube are disclaimed.
FOR REMOVABLE PLASTIC ICE TRAYS.
Claims use since Mar. 2, 1948.

Ser. No. 564,545. AIR-MAZE CORPORATION, Cleveland, Ohio. Filed Sept. 2, 1948.

AIR-MAZE

The drawing is not lined for color. Applicant claims ownership of Registration No. 255,362.
FOR DRY AND VISCOUS COATED AIR FILTERS, LIQUID WASHED AIR FILTERS OF THE TYPE WHEREIN A WOVEN SCREEN FILTER IS ASSOCIATED WITH A BATH OF OIL OR THE LIKE, FILTERS OF WOVEN SCREEN TYPE USUALLY POSITIONED IN A CONDUIT AND ADAPTED TO WITHSTAND AN EXPLOSION IN THE CONDUIT FOR ELIM-

INATING GREASE PARTICLES FROM GASEOUS STREAMS, EXPLOSION PROOF FILTERS, WOVEN SCREEN MAZE DEVICES FOR ELIMINATING LIQUID PARTICLES FROM A GASEOUS STREAM, WOVEN SCREEN SPARK ARRESTORS, WOVEN SCREEN FLAME ARRESTORS, LIQUID FILTERS, SILENCERS USED IN CONNECTION WITH AIR OR GASEOUS STREAMS, SUCH AS THE AIR INTAKES FOR ENGINES, COMPRESSORS, TURBOCHARGERS AND SUPERCHARGERS.
Claims use since Sept. 1, 1925.

Ser. No. 580,685. BILL SCHNIBBING COMPANY, New York, N. Y. Filed June 17, 1949.

SPARKLE CUBE

The word "Cube" is disclaimed.
FOR ICE TRAYS.
Claims use since May 21, 1948.

Ser. No. 582,596. BRIDGEPORT MOULDED PRODUCTS, INC., Fairfield, Conn. Filed July 28, 1949.



The representation of the cube and the word "Cube" are disclaimed.
FOR ICE TRAYS FORMED OF MOULDED PLASTIC MATERIAL.
Claims use since May 19, 1948.

Ser. No. 585,041. BRIDGEPORT MOULDED PRODUCTS, INC., Fairfield, Conn. Filed July 28, 1949.

SPARKLE-CUBE

The word "Cube" is disclaimed.
FOR ICE TRAYS FORMED OF MOULDED PLASTIC MATERIAL.
Claims use since Mar. 31, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 554,467. CHARLES BLOOM, INC., New York, N. Y. Filed Apr. 13, 1948.

Ballerina Pillow

The word "Pillow" is disclaimed.
FOR SOFA CUSHIONS, SOFA PILLOWS, PILLOWS, AND NOVELTY PILLOWS.
Claims use since Jan. 22, 1948.

CLASS 33

GLASSWARE

Ser. No. 554,609. C. REIZENSTEIN SONS, Pittsburgh, Pa. Filed Apr. 14, 1948.

REIZART

PANTACOLOR

FOR GLASS DRINKINGWARE.
Claims use since Dec. 23, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 521,572. ELECTRO SPECIALTY MANUFACTURING CO., INC., Minneapolis, Minn. Original filed, act of 1905, Apr. 30, 1947; amended to application under act of 1946, Principal Register, Mar. 1, 1948. Under section 2f of the act of 1946.

DOMETURBO

FOR FORCED DRAFT VENTILATORS HAVING AN ELECTRIC FAN ASSEMBLY.
Claims use since July 5, 1940.

Ser. No. 540,793. DES MOINES STOVE REPAIR COMPANY, also doing business as Modern Aire Company, Des Moines, Iowa. Filed Nov. 12, 1947.

MODERN AIRE

FOR COAL FURNACES, OIL FURNACES, STOKERS, BLOWERS, OIL BURNERS, GAS BURNERS, HUMIDIFIERS, AND AIR CONDITIONING BLOWERS FOR USE IN CONVERTING GRAVITY FURNACES TO FORCED AIR.
Claims use since February 1935.

Ser. No. 552,628. AMERICAN HEAT CORPORATION, Lowell, Mass. Filed Mar. 22, 1948.

ARC-HEAT

The word "Heat" is disclaimed.
FOR OIL BURNERS.
Claims use since Sept. 1, 1946.

Ser. No. 553,144. TUTTLE & BAILEY, INCORPORATED, New Britain, Conn. Filed Mar. 26, 1948.

T & B

FOR DEVICES AND ACCESSORIES FOR AIR CONDITIONING, HEATING, AND VENTILATING SYSTEMS—NAMELY, DIFFUSERS, REGISTERS, GRILLES, OUTLETS, CONVECTORS, AND DAMPERS.
Claims use since July 25, 1939.

Ser. No. 559,635. NATIONAL GAS EQUIPMENT CO., INC., Terrell, Tex. Filed June 18, 1948.

ModernAire

The word "Aire" is disclaimed.
FOR ATTIC FANS AND CONSOLE FANS.
Claims use since March 1940.

Ser. No. 562,324. COLBERT'S SHEET METAL WORKS #2, LIMITED, Coleman, Tex. Filed July 28, 1948.

SNOW LINE COOLER

No claim is made to the word "Cooler" apart from the mark as shown.
FOR EVAPORATIVE TYPE WINDOW AIR CONDITIONERS.
Claims use since Jan. 26, 1948.

Ser. No. 562,508. V. L. TAYLOR & CO., Amarillo, Tex. Filed July 29, 1948.

CLEAR-VUE

FOR WINDOW TYPE AIR CONDITIONING UNITS.
Claims use since May 1, 1946.

Ser. No. 566,289. BRANECKE ZELEZARNY, NARODNI PODNIK, also doing business as Branka Iron Works, National Corporation, Branka, Czechoslovakia. Filed Sept. 25, 1948.

BRANO

Applicant claims ownership of Czechoslovakian Registration No. 5,519, dated June 30, 1934.
FOR STOVES, OVENS, AND KITCHEN RANGES.

Ser. No. 574,948. BORG-WARNER CORPORATION, Chicago, Ill. Filed Mar. 5, 1949.

DETROIT STAR

Applicant claims ownership of Registrations Nos. 227,097, 221,218, and 130,062.
FOR GAS RANGES.
Claims use since 1932.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 560,960. B A T A, NÁRODNÍ PODNIK, Zlín, Czechoslovakia. Filed July 9, 1948.

Barum

Right of priority under section 44. Applicant claims ownership of Czechoslovakian Registration No. 10,584, dated Apr. 22, 1948.
FOR PNEUMATIC TIRES, INNER TUBES AND RIM LINERS FOR USE WITH PNEUMATIC TIRES.

Ser. No. 564,949. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Sept. 10, 1948.

JOHNS-MANVILLE

JM

Applicant claims ownership of Registrations Nos. 101,467 and 275,889.

FOR WOVEN BRAKE LININGS AND CLUTCH FACINGS; MOLDED BRAKE LININGS AND CLUTCH FACINGS; RUBBERIZED FABRIC BRAKE LININGS AND CLUTCH FACINGS; RESIN BONDED BRAKE LININGS AND CLUTCH FACINGS; IMPREGNATED MILLBOARD BRAKE LININGS AND CLUTCH FACINGS; BRAKE LINING AND CLUTCH FACING MATERIALS IN ROLL FORM; MACHINERY PACKINGS AND GASKETS; MOLDED PACKINGS; CUP PACKINGS; BRAIDED, TWISTED AND PLAITED PACKINGS; TWISTED CORD FOR PACKINGS; METALLIC PACKINGS; METALLIC PACKINGS INCLUDING AN IMPREGNANT; FABRIC PACKINGS; FABRIC PACKINGS INCLUDING AN IMPREGNANT; FOLDED GASKETS AND PACKINGS; PLEATED GASKETS AND PACKINGS; ROLLED GASKETS AND PACKINGS; SHEET PACKINGS; CLOTH AND WIRE-INSERTED CLOTH PACKINGS; COMPOSITE METAL AND ASBESTOS PACKINGS AND GASKETS; ASBESTOS ROPE PACKINGS; WICK PACKINGS; AND GASKETING TAPE.

Claims use since 1901 as to "Johns-Manville"; since 1907 as to "JM"; and since Apr. 10, 1929, as shown.

Ser. No. 564,951. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Sept. 10, 1948.

JM

Applicant claims ownership of Registrations Nos. 101,467 and 275,889.

FOR WOVEN BRAKE LININGS AND CLUTCH FACINGS; MOLDED BRAKE LININGS AND CLUTCH FACINGS; RUBBERIZED FABRIC BRAKE LININGS AND CLUTCH FACINGS; RESIN BONDED BRAKE LININGS AND CLUTCH FACINGS; IMPREGNATED MILLBOARD BRAKE LININGS AND CLUTCH FACINGS; BRAKE LINING AND CLUTCH FACING MATERIALS IN ROLL FORM; MACHINERY PACKINGS AND GASKETS; MOLDED PACKINGS; CUP PACKINGS; BRAIDED, TWISTED AND PLAITED PACKINGS; TWISTED CORD FOR PACKINGS; METALLIC PACKINGS; METALLIC PACKINGS INCLUDING AN IMPREGNANT; FABRIC PACKINGS; FABRIC PACKINGS INCLUDING AN IMPREGNANT; FOLDED GASKETS AND PACKINGS; PLEATED GASKETS AND PACKINGS; ROLLED GASKETS AND PACKINGS; SHEET PACKINGS; CLOTH AND WIRE-INSERTED CLOTH PACKINGS; COMPOSITE METAL AND ASBESTOS PACKINGS AND GASKETS; ASBESTOS ROPE PACKINGS; WICK PACKINGS; AND GASKETING TAPE.

Claims use since 1907 as to "J. M."; and since Apr. 10, 1929, as shown.

Ser. No. 570,658. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 16, 1948.

CRAFTSMAN

Applicant claims ownership of Registration No. 319,128.

FOR RUBBER AND COTTON FABRIC GARDEN HOSE, STEAM HOSE, INDUSTRIAL HOSE, SUCTION HOSE, AIR HOSE, V BELTS.

Claims use since January 1934 on rubber and cotton fabric garden hose; since Jan. 15, 1944, on steam hose, industrial hose, suction hose, air hose; and since July 15, 1946, on V belts.

CLASS 37

PAPER AND STATIONERY

Ser. No. 523,266. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass. Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Principal Register, Apr. 14, 1948.

H&W

Applicant claims ownership of Registrations Nos. 183,725 and 50,651.

FOR WRAPPING PAPER AND FINE PAPERS.

Claims use on wrapping paper since Sept 1, 1875; and on fine papers since January 1930.

Ser. No. 526,143. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 28, 1948. Under section 2f of the act of 1946.

TRUE VALUE



FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.

Claims use since 1934.

Ser. No. 526,170. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 29, 1948. Under section 2f of the act of 1946.

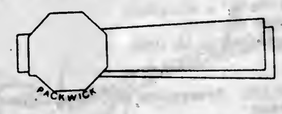


The drawing is lined for shading.

FOR DRAWING TABLETS.

Claims use since 1921.

Ser. No. 556,766. BLOCK MARBLE CO., Philadelphia, Pa. Filed May 11, 1948.



Applicant claims ownership of Registration No. 439,043.

FOR COIN ENVELOPES AND PAPER WRAPPERS FOR COINS.

Claims use since May 3, 1948.

Ser. No. 564,602. BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Sept. 3, 1948. Under section 2f of the act of 1946.

NULINE

Applicant claims ownership of Registrations Nos. 342,983 and 350,189.

FOR WRAPPING PAPER.

Claims use since Aug. 26, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 571,416. FIGHT STORIES, INC., New York, N. Y. Filed Dec. 31, 1948. Under section 2f of the act of 1946.

FIGHT COMICS

Applicant claims ownership of Registration No. 376,595.

FOR MAGAZINE.

Claims use since Sept. 20, 1939.

Ser. No. 571,420. FLYING STORIES, INC., New York, N. Y. Filed Dec. 31, 1948. Under section 2f of the act of 1946.

RANGERS COMICS

Applicant claims ownership of Registration No. 400,758.

FOR MAGAZINE.

Claims use since July 20, 1942.

CLASS 39

CLOTHING

Ser. No. 532,642. J. SCHOENEMAN, INC., Baltimore, Md. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

Doncaster

Applicant claims ownership of Registration No. 215,712.

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.

Claims use since 1920.

Ser. No. 534,877. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Sept. 18, 1947.

GABANARO

Applicant claims ownership of Registration No. 265,265.

FOR SPORT SHIRTS FOR MEN AND WOMEN.

Claims use since Sept. 17, 1947.

Ser. No. 538,265. H. FRANKENSTEIN COMPANY, also doing business as Del Mar Sportswear, Los Angeles, Calif. Filed Oct. 18, 1947.

GRIDDER

FOR MEN'S AND BOYS' PANTS MADE OF COTTON AND SUBSTITUTES THEREOF.

Claims use since July 12, 1947.

Ser. No. 541,686. THE F. & R. LAZARUS & COMPANY, Columbus, Ohio, assignor to Federated Department Stores, Inc., Cincinnati, Ohio, a corporation of Delaware. Filed Nov. 19, 1947. Under section 2f of the act of 1946.

Farnell Clothes

EXCLUSIVE WITH
THE F. & R. LAZARUS & CO., COLUMBUS, O.

The word "Clothes" and the expression "Exclusive With The F. & R. Lazarus & Co., Columbus, O." are disclaimed apart from the mark as shown.
FOR MEN'S COATS AND SUITS.
Claims use since Oct. 6, 1937.

Ser. No. 543,261. BEAR BRAND HOSIERY CO., Chicago, Ill. Original filed, act of 1946, Supplemental Register, Dec. 4, 1947; amended to application, Principal Register, Mar. 19, 1949. Under section 2f of the act of 1946.

Idaho

Applicant claims ownership of Registration No. 191,382.
FOR HOSIERY.
Claims use since Nov. 2, 1921.

Ser. No. 543,266. BEAR BRAND HOSIERY CO., Chicago, Ill. Original filed, act of 1946, Supplemental Register, Dec. 4, 1947; amended to application, Principal Register, Mar. 19, 1949. Under section 2f of the act of 1946.

Vermont

Applicant claims ownership of Registration No. 198,395.
FOR HOSIERY.
Claims use since Jan. 3, 1924.

Ser. No. 543,350. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio. Filed Oct. 2, 1947.

Allen A

Applicant claims ownership of Registrations Nos. 381,029, 388,508, 389,826, 397,539, and 400,462.
FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED AND WOVEN UNDERWEAR, INCLUDING TWO PIECE AND UNION SUITS, AND MEN'S, WOMEN'S, AND CHILDREN'S KNITTED HOSIERY, MEN'S SPORTS SHIRTS, CUT AND SEWN SHORTS, SWIM TRUNKS, AND SWEATERS.
Claims use on men's, women's, and children's knitted and woven underwear, including two piece and union suits, and men's, women's, and children's knitted hosiery, since Mar. 20, 1920; and on men's sport shirts, cut and sewn shorts, swim trunks, and sweaters, since Mar. 26, 1942.

Ser. No. 553,020. M. H. RAAB-MEYERHOFF CO., INC., Philadelphia, Pa. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

THE Ramey SHIRT

The word "Shirt" is disclaimed.
FOR DRESS SHIRTS.
Claims use since Feb. 15, 1933.

Ser. No. 557,738. EVESLEAVES CO., Omaha, Nebr. Filed May 25, 1948.

eve's leaf

FOR LADIES' CORSETS.
Claims use since Apr. 4, 1948.

Ser. No. 559,323. THE PURITAN KNITTING MILLS, INC., Altoona, Pa. Filed June 16, 1948.

LANA-VIT

The word "Lana" is disclaimed.
FOR SWEATERS MADE IN WHOLE OR IN A SUBSTANTIAL PART THEREOF OF WOOL.
Claims use since Apr. 15, 1948.

Ser. No. 559,704. GLADYS NEAL HAMPTON, New York, N. Y. Filed June 19, 1948.

"BOPPER"

FOR LADIES' HATS.
Claims use since Feb. 9, 1948.

Ser. No. 560,607. DUNRITH SPORTSWEAR CO., INC., New York, N. Y. Filed July 2, 1948.

Jackie-Slackie

FOR BOYS' PANTS AND SUSPENDERS.
Claims use since Jan. 15, 1948.

Ser. No. 561,947. WILLIAM SALAMON, doing business as Lady Percale Frocks, New York, N. Y. Filed July 22, 1948.

JIF-FITS

The word "Fits" is disclaimed.
FOR BRUNCHCOATS, PINAFORES, SMOCKS.
Claims use since July 1, 1948.

Ser. No. 562,325. COLE OF CALIFORNIA, INC., Los Angeles, Calif. Filed July 28, 1948.

Changemaker

FOR LADIES' DRESSES.
Claims use since June 28, 1948.

Ser. No. 562,375. LYNCHBURG HOSIERY MILLS, INC., Lynchburg, Va. Filed July 28, 1948. Under section 2f of the act of 1946.

Hy-Value

FOR MEN'S HOSE.
Claims use since September 1935.

Ser. No. 562,686. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed Aug. 3, 1948.

AKOM HEP

Applicant claims ownership of Registration No. 411,751.
FOR MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS, AND SPORTS COATS.
Claims use since Mar. 1, 1948.

Ser. No. 562,964. SAM SCHNEIDER, doing business as Best Made Company, Carteret, N. J. Filed Aug. 6, 1948.

STYLED BY Carta Rette MAID

No claim is made to the words "Styled By" apart from the mark as shown.
FOR WOMEN'S DRESSES.
Claims use since Mar. 24, 1948.

Ser. No. 563,639. SO-LO WORKS, INC., Loveland, Ohio. Filed Aug. 17, 1948.

totes

FOR LIGHTWEIGHT RUBBER OVERSHOES.
Claims use since Mar. 23, 1948.

Ser. No. 566,090. MIDWEST LEATHER CLOTHING CO., St. Louis, Mo. Filed Sept. 29, 1948.



STALLION

FOR LEATHER JACKETS.
Claims use since June 15, 1947.

Ser. No. 566,162. MCGREGOR, WERRING & HOWELL, INC., New York, N. Y. Filed Sept. 30, 1948.

Werrington

FOR MEN'S OUTER SHIRTS.
Claims use since 1938.

Ser. No. 567,083. LUBIN-WEEKER CO., INC., New York, N. Y. Filed Oct. 16, 1948.

LITTLE LEAGUE

FOR PAJAMAS.
Claims use since Sept. 30, 1948.

Ser. No. 572,191. MERCANTILE STORES COMPANY, INC., Wilmington, Del. Filed Jan. 14, 1949.

S.P.M.

FOR MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING—NAMELY, UNDERWEAR, SHOES, HOSIERY, SUITS, COATS, RAIN HOODS, HATS, CAPS, GALOSHES, SNEAKERS, SANDALS, RUBBER BOOTS, SKI SUITS, UNIFORMS, MILITARY SUITS, JEANS, GYM SUITS, JACKETS, GLOVES, MITTENS, SWEATERS, SWIMMING SUITS, SCARVES, MUFFLERS, EAR MUFFS, BEACH AND LOUNGING ROBES, DRESSING GOWNS, PAJAMAS, HANDKERCHIEFS, APPAREL BELTS, SLEEPING BAGS; CLOTHING PARTICULARLY FOR MEN—NAMELY, GARTERS, OUTER AND UNDER SHIRTS, NIGHT SHIRTS, MACKINAWS, WORK SUITS, SWIMMING TRUNKS, HELMETS, NECKTIES, BRACES, TROUSERS, HUNTING BOOTS, LUMBER JACKETS, ATHLETIC SUPPORTERS, WOOLEN SHIRTS AND SOCKS; CLOTHING PARTICULARLY FOR WOMEN—NAMELY, DRESSES, FUR TRIMMED BOOTS, SNOW SUITS, FUR MUFFS, FUR COATS, CAPES, FUR NECKPIECES, SKIRTS, APRONS, BLOUSES, JUMPERS, NEGLIGEES, CORSETS, GIRDLES, BRASSIÈRES, GARTER BELTS, BED JACKETS, AND BED SOCKS; AND CLOTHING PARTICULARLY FOR CHILDREN—NAMELY, SNOW SUITS, JUMPERS, PINAFORES, BIBS, SLEEPERS, CREEPERS, RUBBER PANTS, GERTRUDES, BONNETS, BOOTIES, SOAKERS, AND BUNTINGS.

Claims use since May 16, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 534,718. AMBASSADOR LEATHER PRODUCTS, INC., New York, N. Y. Filed Sept. 17, 1947.

SAFETY GUARD FOR "His Majesty the Baby"

Applicant disclaims the right to the exclusive use of the words "Safety Guard for the Baby."

FOR INFANT'S SAFETY BELT.

Claims use since May 2, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 576,363. ROBERTSON FACTORIES, INC., New York, N. Y. Filed Mar. 30, 1949.

Canterbury

FOR WINDOW CURTAINS.

Claims use since Feb. 1, 1948.

Ser. No. 576,401. CHARMETTE FABRICS COMPANY, INC., New York, N. Y. Filed Mar. 31, 1949.

CHARMETTE

Applicant claims ownership of Registrations Nos. 228,309 and 411,361.

FOR RAYON, SILK, COTTON, WOOL, NYLON, AND PROTEIN FIBRE PIECE GOODS AND COMBINATIONS THEREOF, NOT INCLUDING CORDUROYS, VELVETEENS, AND WARP SATEENS.

Claims use since September 1919.

Ser. No. 576,450. CROMPTON COMPANY, Crompton, R. I. Filed Apr. 1, 1949.

VILLE FRANCHE

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS.

Claims use since Mar. 3, 1949.

Ser. No. 576,451. CROMPTON COMPANY, Crompton, R. I. Filed Apr. 1, 1949.

NANTUA

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS.

Claims use since Feb. 15, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 566,674. JOHN VILLETTI, doing business as Villetti Instrument Co., Peekskill, N. Y. Filed Oct. 7, 1948.

VICO

FOR SURGICAL INSTRUMENTS USED FOR OPERATIONS ON THE EYES, EARS, NOSE, AND THROAT OF HUMANS.

Claims use since Jan. 15, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 553,294. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

LYONS ROOT BEER

The words "Root Beer" are disclaimed. Applicant claims ownership of Registrations Nos. 327,476, 344,355, 407,022, and 418,175.

FOR ROOT BEER SYRUP FOR MAKING CARBONATED BEVERAGES AND BOTTLED ROOT BEER.

Claims use since April 1929.

Ser. No. 561,231. FLORASYNTH LABORATORIES, INC., New York, N. Y. Filed July 13, 1948.

CLORANGE

FOR ORANGE COMPOUND ADAPTED TO PRODUCE A CLOUD IN NON-ALCOHOLIC MALTLESS SOFT DRINK BEVERAGES AND HAVING FLAVORING INGREDIENTS.

Claims use since June 11, 1948.

Ser. No. 567,529. NEIL PRODUCTS INC., Los Angeles, Calif. Filed Oct. 23, 1948. Under section 2f of the act of 1946.

Neil

Applicant claims ownership of Registrations Nos. 355,950 and 415,006.

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING THE SAME.

Claims use since Feb. 23, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 493,175. THE WILLIAM EDWARDS COMPANY, Cleveland, Ohio. Original filed, act of 1905, Dec. 13, 1945; amended to application under act of 1946, Principal Register, Apr. 29, 1948. Under section 2f of the act of 1946.

Edwards &

Applicant claims ownership of Registrations Nos. 76,705 and 144,753.

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FIGS, CANNED CHERRIES, CANNED FRUIT-JUICES, CANNED VEGETABLE JUICES, CANNED APPLE SAUCE, CANNED CRANBERRY SAUCE, CANNED BERRIES, CANNED KIDNEY BEANS, CANNED PORK AND BEANS, CANNED BAKED BEANS, CANNED LIMA BEANS, CANNED SOUPS, CANNED SPAGHETTI, CANNED PIMIENTOS, CANNED FISH, CANNED MUSHROOMS, CANNED CHOW MEIN NOODLES, CANNED BEAN SPROUTS, CANNED BROWN BREAD WITH RAISINS; ALSO PREPARED HORSERADISH, FRENCH DRESSING, OLIVE OIL, SALAD OIL, VINEGAR, MIXED PICKLES AND PEPPERS, CUCUMBER SLICES, HOT PEPPERS, CANDIED DILL CUCUMBER STICKS, MARASCHINO CHERRIES, CHERRIES IN SYRUP, JAMS, AND JELLIES.

Claims use since 1915.

Ser. No. 512,049. THE BORDEN COMPANY, New York, N. Y. Original filed, act of 1905, Nov. 5, 1946; amended to application under act of 1946, Principal Register, Sept. 2, 1948.

PET-PRO

The word "Pet" is disclaimed.

FOR FOOD SUPPLEMENT CONSISTING OF RICE POLISHINGS, SOYBEAN OIL MEAL, FISH LIVER AND GLANDULAR MEAL, DRIED WHEY SOLUBLES, DRIED MILK BY-PRODUCT, DEHYDRATED CHEESE, VITAMIN A AND D FEEDING OIL, YEAST, VITAMIN B1 USED IN DOG FOOD.

Claims use since January 1913.

Ser. No. 532,414. THE JERSEY COMPANY, Minneapolis, Minn. Filed Aug. 21, 1947. Under section 2f of the act of 1946.

JUST-RIGHT JR

The drawing has been lined to indicate the color red. Applicant claims ownership of Registration No. 196,622.

FOR EGG MASH CONTAINING 18%–20% PROTEINS, CALF MEAL, PIG MEAL, DAIRY RATION CONSISTING OF A MIXTURE OF FEEDS, VITAMINS AND MINERALS CONTAINING 16%–17% PROTEIN, AND HOG SUPPLEMENT CONSISTING OF A MIXTURE OF FEEDS, MINERALS, AND VITAMINS CONTAINING 42% PROTEIN.

Claims use since 1929.

Ser. No. 538,447. PIN MONEY BRANDS, INCORPORATED, Richmond, Va. Filed Oct. 20, 1947.

Pin Money

The drawing is lined for shading only. Applicant claims ownership of Registrations Nos. 70,379, 82,243, and 128,245.

FOR PICKLED FRUITS AND VEGETABLES, OLIVES, SALAD DRESSING, SPICED VINEGAR, PEANUT BUTTER, AND PICKLE RELISHES.

Claims use since Oct. 14, 1947.

Ser. No. 545,186. VAN DUSEN HARRINGTON CO., Minneapolis, Minn. Filed Dec. 22, 1947.

ALL-STAR

FOR EGG MASH FEED.

Claims use since Apr. 18, 1936.

Ser. No. 546,188. RICHARD COLGIN COMPANY, INC., Dallas, Tex. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

COLGIN

FOR SAUSAGE SEASONING.

Claims use since Mar. 1, 1943.

Ser. No. 547,484. L. D. SCHREIBER & CO., INC., Chicago, Ill., and Green Bay, Wis. Filed Jan. 19, 1948. Under section 2f of the act of 1946.

SCHREIBER'S

FOR CHEESE, PROCESS CHEESE AND CHEESE FOODS.

Claims use since Apr. 22, 1942.

Ser. No. 547,738. MANN BROS. CANNING CO. (INC.), Lakeland, Fla. Filed Jan. 22, 1948.

MANCO

FOR CANNED GRAPEFRUIT AND CANNED ORANGE JUICE.

Claims use since Dec. 19, 1947.

Ser. No. 548,235. MIKE CHEMAS, Humboldt, Ariz. Filed Jan. 29, 1948.



The name "Mike Chemas" is a facsimile of applicant's signature and the portrait is that of applicant. The drawing is lined for shading only. Applicant claims ownership of Registration No. 217,760.

FOR PICKLED TURNIPS.

Claims use since Apr. 20, 1926.

Ser. No. 548,450. ARMOUR AND COMPANY, Chicago, Ill. Filed Jan. 31, 1948.

ALADA

FOR SALAD AND COOKING OIL.

Claims use since 1925.

Ser. No. 548,452. ARMOUR AND COMPANY, Chicago, Ill. Filed Jan. 31, 1948.

Armix

FOR SHORTENING MADE OF A BLEND OF VEGETABLE AND ANIMAL FATS.

Claims use since 1930.

Ser. No. 548,465. ARMOUR AND COMPANY, Chicago, Ill. Filed Jan. 31, 1948.

TEX

FOR VEGETABLE SHORTENING.

Claims use since 1930.

Ser. No. 549,430. FIRST NATIONAL STORES INC., Somerville, Mass. Filed Feb. 16, 1948.

Brookside

Applicant claims ownership of Registration No. 199,062.

FOR FRESH MILK, FRESH CREAM, FRESH EGGS, ICE CREAM, BUTTER, AND CHEESE.

Claims use since Jan. 1, 1903.

Ser. No. 550,143. GROCERLAND CO-OPERATIVE, INC., Chicago, Ill. Filed Feb. 19, 1948.



The drawing is not lined for color or shading, and no claim is made for the words "Quality" and "Fancy Foods" in the mark shown.

FOR OLIVES.

Claims use since Nov. 10, 1942.

Ser. No. 550,395. DONAHOE'S INCORPORATED, Pittsburgh, Pa. Filed Feb. 24, 1948. Under section 2f of the act of 1946.

Donahoe's

REDDY KOOKT

The words "Ready Kookt" are disclaimed separate and apart from the mark as shown. Applicant claims ownership of Registrations Nos. 314,362 and 294,173.

FOR COOKED FOODS SOLD IN BULK—NAMELY, CHICKEN A LA KING, CHOP SUEY, EGG SALAD, POTATO SALAD, SPAGHETTI.

Claims use since February 1933.

Ser. No. 550,651. DONALD A. BATTISTE, doing business as Bat-O-Lite Company, Philadelphia, Pa. Filed Feb. 27, 1948.

BAT-O-LITE

The word "Lite" is disclaimed.

FOR PREPARATION USED IN THE MANUFACTURE OF BAKERY PRODUCTS—NAMELY, A SHORTENING COMPOSED OF VEGETABLE FATS, FATTY ACIDS, AND EMULSIFIERS.

Claims use since Jan. 1, 1944.

Ser. No. 552,994. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 25, 1948.

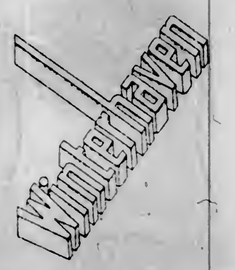
STIXIES

Applicant claims ownership of Registration No. 357,001.

FOR DOUGHNUT STICKS.

Claims use since Mar. 1, 1948.

Ser. No. 553,285. JONES & KAVANAGH CO., LTD., Los Angeles, Calif., assignor to Jones & Kavanagh Co., Ltd., Los Angeles, Calif., a partnership. (New.) Filed Mar. 29, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 376,554.
FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since Feb. 3, 1939.

Ser. No. 553,314. CHRIS H. SCHEIDT, doing business as Biola Packing Co., Biola, Calif. Filed Mar. 29, 1948.

C.H.S.

FOR RAISINS.
Claims use since Oct. 4, 1947.

Ser. No. 553,315. CHRIS H. SCHEIDT, doing business as Biola Packing Co., Biola, Calif. Filed Mar. 29, 1948.

IR VINE

The term "Vine" is disclaimed.
FOR RAISINS.
Claims use since Nov. 14, 1946.

Ser. No. 554,176. L. M. TRACY, Phoenix, Ariz., doing business as Tracy-Waldron Company, Yuma and Tempe, Ariz. Filed Apr. 8, 1948.

KEWPIE

Applicant claims ownership of Registration No. 154,717.
FOR FRESH VEGETABLES—NAMELY, LETTUCE, CARROTS, CAULIFLOWER, TOMATOES, AND BROCCOLI; FRESH GRAPES; FRESH DECIDUOUS FRUITS—NAMELY, PEACHES; AND CANTALOUPES AND MELONS.
Claims use since 1921 on grapes and deciduous fruits; since 1924 on vegetables; and since 1927 on cantaloupes and melons.

Ser. No. 554,225. M. A. GEDNEY COMPANY, Minneapolis, Minn. Filed Apr. 9, 1948.

PANTRY

Applicant claims ownership of Registration No. 260,179.
FOR PICKLES.
Claims use since Sept. 10, 1928.

Ser. No. 554,256. PRUDENCE FOODS INC., Boston, Mass. Filed Apr. 9, 1948.



The representation of the head of a girl is fanciful.
Applicant claims ownership of Registration No. 260,200.
FOR CORNED BEEF HASH AND ROAST BEEF HASH.
Claims use since Apr. 9, 1920.

Ser. No. 555,530. JEWEL TEA CO., INC., Barrington, Ill. Filed Apr. 24, 1948.



Applicant claims ownership of Registrations Nos. 83,693, 312,416, and 315,586.
FOR TEA, COFFEE, RICE, COCOA, BLACK PEPPER, BAKING POWDER, PEANUT BUTTER, FLAVORING EXTRACTS USED FOR FOOD PREPARATIONS, PREPARED MUSTARD, SPAGHETTI, NOODLES, MACARONI, QUICK OATS, CINNAMON, MINCE MEAT, GRAHAM CRACKERS, COOKIES, SANDWICH SPREAD, SALAD DRESSING, A MALTED MILK MIX IN POWDER FORM, PUDDING MIXES USED FOR MAKING PIES, PUDDINGS AND DESSERTS, POPCORN IN ITS NATURAL STATE, A FREEZING MIX FOR MAKING ICE CREAM, FRENCH DRESSING, CAKE AND BISCUIT MIXES, A WHEAT CEREAL FOR USE AS A BREAKFAST FOOD OR AS AN INGREDIENT IN COOKIES, MUFFINS, BREAD OR ROLLS, CAKE FLOUR, AND FARINA.
Claims use since May 29, 1923, on tea; since June 30, 1923, on coffee; since Sept. 10, 1923, on rice; since July 1924 on cocoa, black pepper, baking powder, peanut butter, flavoring extracts used for food preparation, prepared mustard, spaghetti, noodles, macaroni; since December 1925 on quick oats; since February 1926 on cinnamon; since November 1927 on mince meat; since December 1927 on graham crackers; since January 1932 on cookies; since August 1932 on sandwich spread; since Aug. 20, 1932, on salad dressing; since October 1937 on a malted milk mix in powder form; since May 1941 on pudding mixes used for making pies, puddings and desserts; since August 1943 on popcorn in its natural state, and a freezing mix for making ice cream; since July 1944 on french dressing; since October 1944 on cake and biscuit mixes, and a wheat cereal for use as a breakfast food or as an ingredient in cookies, muffins, bread or rolls; since October 1945 on cake flour; and since November 1946 on farina.

Ser. No. 557,731. THE DAN DEE PRETZEL AND POTATO CHIP COMPANY, Cleveland, Ohio. Filed May 25, 1948. Under section 2f of the act of 1946.

Mrs. Rapp's

Applicant claims ownership of Registrations Nos. 267,567 and 301,077.
FOR NOODLES.
Claims use since July 1, 1925.

Ser. No. 558,076. SPAULDING BAKERIES, INC., Binghamton, N. Y. Filed May 28, 1948.

Table Queen

FOR BREAD.
Claims use since 1908.

Ser. No. 558,254. SPAULDING BAKERIES, INC., Binghamton, N. Y. Filed June 1, 1948. Under section 2f of the act of 1946 as to "Spaulding."



Applicant claims ownership of Registrations Nos. 388,827, 401,216, and 438,365.
FOR BAKERY PRODUCTS—NAMELY, BREAD.
Claims use since Sept. 29, 1947.

Ser. No. 558,831. WALTERS' PALM TOFFEE LIMITED, London, England. Filed June 9, 1948.

"Palm"

FOR TOFFEES.
Claims use since 1925 in United Kingdom of Great Britain and Northern Ireland.

Ser. No. 559,216. E. E. DAVIS, doing business as E. E. Davis Packing Co., Phoenix, Ariz. Filed June 15, 1948. Under section 2f of the act of 1946.

WATCHED HEADS

The word "Heads" is disclaimed. Applicant claims ownership of Registration No. 397,042.
FOR FRESH LETTUCE.
Claims use since Dec. 11, 1935.

Ser. No. 559,226. THE FRENCH SARDINE COMPANY OF CALIFORNIA, Terminal Island, Calif. Filed June 15, 1948. Under section 2f of the act of 1946.

MESSINA

Applicant claims ownership of Registration No. 244,805.
FOR CANNED FISH.
Claims use since Jan. 1, 1923.

Ser. No. 559,558. SUNSHINE FEED MILLS, Nashville, Tenn. Filed June 17, 1948.

Uncle Remus

The drawing is lined to indicate orange and blue color.
FOR FEEDS CONTAINING PRINCIPALLY SOY BEAN OIL MEAL, GROUND CORN, GROUND OATS, WHEAT BROWN SHORTS, ALFALFA MEAL VITAMIN PREPARATIONS AND MINERALS FOR PETS—NAMELY, RABBITS AND DOGS.
Claims use since Dec. 29, 1947.

Ser. No. 560,761. HOBBS-PARSONS CO., Fresno, Calif. Filed July 6, 1948.

BLUE BRAND

H-P

Applicant disclaims the word "Brand" per se. Applicant claims ownership of Registration No. 244,072.

FOR FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH GRAPES, FRESH EGGS, AND CANNED FRUITS AND CANNED VEGETABLES.

Claims use since Jan. 1, 1904.

Ser. No. 562,396. PENNSYLVANIA MERCANTILE CORP., New York, N. Y. Filed July 28, 1948.

MYRON

FOR CANNED FISH, CANNED CRABMEAT, AND CANNED FRUITS.

Claims use since July 19, 1948.

Ser. No. 563,618. HOLMES CANNING COMPANY, INC., Sandersville, Ga. Filed Aug. 17, 1948.

YAM-MA-FLA

The word "Yam" is disclaimed.

FOR CANNED SWEET POTATO MIX.

Claims use since Oct. 25, 1947.

Ser. No. 564,044. S. C. BRINSER'S SONS, Middletown, Pa. Filed May 21, 1948.



The picture comprising the mark is the likeness of Solomon C. Brinser, now deceased. Applicant claims ownership of Registration No. 94,352.

FOR CORNMEAL.

Claims use since 1895.

Ser. No. 565,126. GILSTER MILLING COMPANY, Steelville, Ill., and Chester, Ill. Filed Sept. 14, 1948.

FEATHERLITE



Applicant claims ownership of Registration No. 102,941.

FOR PLAIN WHEAT FLOUR.

Claims use since Oct. 1, 1916.

Ser. No. 566,388. JOS LOWE CORPORATION, New York, N. Y. Filed Oct. 4, 1948.

JO-LOID

Applicant claims ownership of Registrations Nos. 159,934, 288,196, 291,072, 298,793, 298,794, and 299,518.

FOR EMULSIFIER-STABILIZER CONSISTING OF NON-FAT DRY MILK SOLIDS, MODIFIED PARTIAL ESTERS OF POLYDRIC INNER SUGARS AND VEGETABLE CELLULOSE GUM FOR USE IN ICE CREAMS, SHERBETS, WATER ICES, FROZEN CONFECTIONS, AND THE LIKE.

Claims use since May 26, 1948.

Ser. No. 567,304. RICARDO BETANCOURT, doing business also under the style of R. & O. Betancourt, Santurce, P. R. Filed June 19, 1948. Under section 2f of the act of 1946.

CAFE RIOJA

The word "Cafe" is disclaimed. Applicant claims ownership of Registration No. 404,048.

FOR COFFEE.

Claims use since February 1938.

Ser. No. 567,636. C. J. KORINEK, doing business as Korinek Laboratories, South San Francisco, Calif. Filed Oct. 26, 1948.



Applicant disclaims the word "Minerals" apart from the mark shown.

FOR MINERAL COMPOUND USED AS A SUPPLEMENTARY DIETARY PREPARATION IN ANIMAL AND POULTRY FEEDS.

Claims use since Jan. 1, 1923.

Ser. No. 568,587. COLLEGE HEIGHTS ORANGE & LEMON ASSOCIATION, Claremont, Calif. Filed Nov. 12, 1948.

CO-ED

FOR FRESH CITRUS FRUITS.

Claims use since 1936.

Ser. No. 569,161. KATAOKA BROS., Fresno, Calif. Filed Nov. 20, 1948.

STARFIELD

FOR FRESH GRAPES.

Claims use since June 26, 1948.

Ser. No. 570,564. LAKE CHARM FRUIT COMPANY, Oviedo, Fla. Filed Dec. 15, 1948.

LEMAC

FOR FRESH CITRUS FRUIT.

Claims use since Dec. 3, 1948.

Ser. No. 571,653. RAYMOND MIOLLIS, doing business as Natural Cheese Co., Maywood, Ill. Filed Jan. 5, 1949.

PAMINA

FOR CHEESE.

Claims use since June 1, 1948.

Ser. No. 571,745. PRODUCERS CREAMERY COMPANY, Springfield, Mo. Filed Jan. 6, 1949.

Promo

FOR CHEESE.

Claims use since Dec. 1, 1948.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 536,266. MASLAND DURALEATHER CO., Philadelphia, Pa. Filed Sept. 30, 1947.

Duran

FOR ALL-PLASTIC FLEXIBLE SHEET MATERIAL OF SUBSTANTIAL THICKNESS SUITABLE FOR UPHOLSTERING OF FURNITURE AND AUTOMOBILES AND ALSO FOR OTHER PURPOSES.

Claims use since Feb. 24, 1945.

Ser. No. 553,721. LEDERMAN BROS., Los Angeles, Calif. Filed Apr. 2, 1948.

LEDERMAN

FOR ARTIFICIAL LEATHER.

Claims use since Feb. 16, 1947.

Ser. No. 567,565. CORNING GLASS WORKS, Corning, N. Y. Filed Oct. 25, 1948.



FOR ARTICLES OF GLASS—NAMELY, ORNAMENTAL GLASS FIGURINES AND MINIATURES.

Claims use since Sept. 19, 1947.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 506,059. DOROTHY PERKINS COMPANY, St. Louis, Mo. Original filed, act of 1905, July 22, 1946; amended to application under act of 1946, Principal Register, Dec. 13, 1948.

CONQUEST

FOR PERFUME AND COLOGNE.
Claims use since June 1932.

Ser. No. 521,018. GERTRUDE TONI LEMAN, doing business under the name and style of Toni Baxter, Honolulu, Territory of Hawaii. Original filed, act of 1905, Apr. 19, 1947; amended to application under act of 1946, Principal Register, Aug. 10, 1948.



No claim is made to the word "Scent" appearing as part of the word "ReminiScent" nor to the word "Hawaii" apart from the mark as shown.
FOR PERFUME.
Claims use since July 24, 1946.

Ser. No. 528,949. EISENBERG AND SONS, INC., Chicago, Ill. Filed July 19, 1947.

Enticing

FOR PERFUMES, COLOGNES, DUSTING POWDERS, AND PERFUME STICKS.
Claims use since Apr. 1, 1944.

Ser. No. 544,852. THE COOK COFFEE COMPANY, doing business as House of Caroline, Cleveland, Ohio. Filed Dec. 19, 1947.

HOUSE OF Caroline

FOR TOILET CREAM.
Claims use since Nov. 1, 1947.

Ser. No. 545,267. LANCOME, S. A., Paris, France. Filed Dec. 23, 1947.

LAIT DES HESPERIDES.

No claim is made to the term "Lait des" apart from the mark shown. Applicant claims ownership of French Registration No. 340,410, dated June 16, 1942.
FOR PERFUME, TOILET WATER, COLOGNE, ROUGE, FACE POWDER, LIPSTICKS, FACE AND HAND CREAMS.

Ser. No. 552,212. BENARD & HONNORAT, trading as Molinard, Grasse, France. Filed Mar. 18, 1948.

BAISER du FAUNE

Applicant claims ownership of French Registration No. 1,204, dated May 2, 1933.
FOR PERFUMES, TOILET WATER, COLOGNE, FACE POWDER, LIPSTICK, ROUGE, MASCARA, EYE SHADOW CREAMS FOR FACE AND SKIN, AND TALCUM POWDER.

Ser. No. 554,232. HARRY H. KLEIN, Camden, N. J. Filed Apr. 9, 1948.



The drawing is lined to represent red color. The illustration of the child is fanciful.
FOR BODY CLEANSING OIL FOR INFANTS.
Claims use since March 1947.

Ser. No. 555,319. STEPHAN PRODUCTS INC., Worcester, Mass. Filed Apr. 22, 1948. Under section 2f of the act of 1946 as to "Stephan."



FOR DANDRUFF REMOVER HAIR LOTION AND DANDRUFF REMOVER HAIR LOTION WITH OIL.
Claims use since Apr. 2, 1948.

Ser. No. 555,409. JOHN M. HENDERSON COMPANY, INC., Los Angeles, Calif. Filed Apr. 23, 1948.

Tina Bishop

The name "Tina Bishop" is fanciful.
FOR COSMETICS—NAMELY, SKIN LOTION, SKIN CREAM, FACE PACK CREAM, FOUNDATION CREAM, CREAM ROUGE, LIPSTICK, POWDER, EYE CREAM, EYE SHADOW, ASTRINGENT, NIGHT CREAM, HAND LOTION, HAND CREAM, CREAM SHAMPOO, DEODORANT, CLEANSING CREAM.
Claims use since Mar. 1, 1948.

Ser. No. 563,928. INTERSTATE SALES COMPANY, Waco, Tex. Filed Aug. 24, 1948.

BEAU-TIME

FOR PERFUMED SACHET CREAM.
Claims use since July 9, 1946.

Ser. No. 565,466. CLARICE WILSON, Orange, N. J. Filed Sept. 18, 1948.

Clarice Wilson

The mark is an authentic facsimile signature of the applicant.
FOR SCALP CREAM.
Claims use since Aug. 26, 1948.

Ser. No. 566,340. JEAN PATOU, INC., New York, N. Y. Filed Oct. 2, 1948. Under section 2f of the act of 1946.

JEAN PATOU

The name shown is that of a deceased individual, the founder of applicant's business. Applicant claims ownership of Registration No. 306,544.
FOR PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIPSTICKS, DUSTING POWDER, SACHET POWDER, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER AND ROUGE COMPACTS, AND VEGETAL.
Claims use since Nov. 5, 1930.

Ser. No. 571,359. SOCIETE ANONYME PARFUMS FORVIL & DENTIFRICES DU DOCTEUR PIERRE REUNIS, Nanterre (Seine), France. Filed Dec. 30, 1948.

À VOS ORDRES

Applicant claims ownership of French Registration No. 321,044, dated May 17, 1938.
FOR PERFUMES, TOILET WATER, EAU DE COLOGNE, ROUGE, LIPSTICK, FACE POWDER, FACE CREAM, HAND AND SKIN LOTION, MASCARA, PERFUMED SACHET IN POWDER FORM.

Ser. No. 571,360. SOCIETE ANONYME PARFUMS FORVIL & DENTIFRICES DU DOCTEUR PIERRE REUNIS, Nanterre (Seine), France. Filed Dec. 30, 1948.

HYMÉNÉE

Applicant claims ownership of French Registration No. 337,542, dated Dec. 9, 1941.
FOR PERFUMES, TOILET WATER, EAU DE COLOGNE, ROUGE, LIPSTICK, FACE POWDER, FACE CREAM, HAND AND SKIN LOTION, MASCARA, PERFUMED SACHET IN POWDER FORM.

Ser. No. 571,361. SOCIETE ANONYME PARFUMS FORVIL & DENTIFRICES DU DOCTEUR PIERRE REUNIS, Nanterre (Seine), France. Filed Dec. 30, 1948.

LES YEUX DOUX

Applicant claims ownership of French Registration No. 334,890, dated May 2, 1941.
FOR PERFUMES, TOILET WATER, EAU DE COLOGNE, ROUGE, LIPSTICK, FACE POWDER, FACE CREAM, HAND AND SKIN LOTION, MASCARA, PERFUMED SACHET IN POWDER FORM.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 549,245. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed Feb. 10, 1948.

SOAPMOBILE

FOR SOAP FOR TOILET AND BATH.
Claims use since Jan. 15, 1948.

Ser. No. 560,466. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed June 30, 1948. Under section 2f of the act of 1946.

LA GLORIA

FOR TOILET AND BATH SOAP.
Claims use since Oct. 25, 1930.

Ser. No. 567,693. PATRICK R. GIBBONS COMPANY, St. Louis, Mo. Filed Oct. 27, 1948.

DIG

FOR DETERGENTS AND SOAP FOR DISHES, LAUNDRY, GENERAL PURPOSE CLEANING, ETC.
Claims use since June 1, 1948.

Ser. No. 575,487. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Mar. 15, 1949.

Cheer

Applicant claims ownership of Registrations Nos. 206,188, 374,054, and 505,704.
FOR SUDSING CLEANER, CLEANSER AND DETERGENT.
Claims use since Mar. 3, 1949.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 514,117. HARVELL PHOTO SERVICE, Bloomfield, N. J. Original filed, act of 1905, Dec. 12, 1946; amended to application under act of 1946, Principal Register, July 29, 1947.

HARVELL

Applicant disclaims the representation of the camera apart from the mark as shown.
FOR PHOTOGRAPH SERVICES—NAMELY, THE TAKING AND DEVELOPING OF PORTRAITS OF INFANTS, TAKING AND DEVELOPING OF PHOTOGRAPHS OF HOMES, ENLARGING OF PHOTOGRAPHS, AND OIL TINTING OF BLACK AND WHITE PHOTOGRAPHS TO COLOR THE SAME IN SIMULATION OF NATURAL COLORING.
Claims use since Nov. 1, 1946.

Ser. No. 554,430. SMALL FRY, Quincy, Ill., and Hannibal, Mo. Filed Apr. 12, 1948.

Small Fry

FOR RESTAURANT SERVICES.
Claims use since Nov. 9, 1947.

Ser. No. 574,920. THE PENNSYLVANIA RAILROAD COMPANY, Philadelphia, Pa. Filed Mar. 4, 1949. (Classified in Class 105.)

FOR THE TRANSPORTATION BY RAILWAY, BOAT, AND MOTOR-TRUCK OF FREIGHT AND PASSENGERS AND THE PROVISION OF RESTAURANT AND DINING CAR SERVICES AND STORAGE SERVICES.
Claims use since 1880.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 554,311. HAMILTON-CRAWFORD REALTORS, Kansas City, Mo. Filed Apr. 10, 1948.

Ranch'alow

FOR GENERAL REAL ESTATE BROKERAGE, SUBDIVISION DEVELOPMENT, HOME BUILDING, AND ARCHITECTURAL SERVICES.
Claims use since Feb. 5, 1948.

Ser. No. 564,396. PACIFIC MUTUAL LIFE INSURANCE COMPANY, Los Angeles, Calif. Filed Aug. 30, 1948.

NUSP

FOR UNDERWRITING LIFE INSURANCE SUBSTANTIALLY ALL OF WHICH PROVIDES RETIREMENT INCOME, AND ACCIDENT HEALTH INSURANCE.
Claims use since January 1942.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 554,311. HAMILTON-CRAWFORD REALTORS, Kansas City, Mo. Filed Apr. 10, 1948. (Classified in Class 102.)

Ranch'alow

FOR GENERAL REAL ESTATE BROKERAGE, SUBDIVISION DEVELOPMENT, HOME BUILDING, AND ARCHITECTURAL SERVICES.
Claims use since Feb. 5, 1948.

Ser. No. 559,252. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif., assignor to Shell Oil Company, New York, N. Y., a corporation of Delaware. Filed June 15, 1948.

SHELLUBRICATION

Applicant claims ownership of Registrations Nos. 74,007, 98,112, 98,235, 158,809, 168,803, 279,252, and others.
FOR AUTOMOBILE AND TRUCK LUBRICATION SERVICE.
Claims use since Feb. 15, 1948.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 529,442. DELTA AIR LINES, INC., Atlanta, Ga. Filed July 25, 1947.

DELTA AIR LINES

The words "Air Lines" are disclaimed apart from the mark as shown.
FOR AIR TRANSPORTATION OF PASSENGERS, MAIL, AND EXPRESS.
Claims use since July 1934.

Ser. No. 531,073. L. A. RAULERSON, Jacksonville, Fla. Filed Aug. 11, 1947. Under section 2f of the act of 1946.

FLORIDA · GEORGIA · NORTH CAROLINA · SOUTH CAROLINA · ALABAMA · TENNESSEE · RAULERSON SYSTEM

Applicant disclaims the word "System," and describes the lining in the drawing as lining in the mark.
FOR PUBLIC TRANSPORTATION OF PROPERTY BY MOTOR VEHICLE.
Claims use since Nov. 1, 1935.

Ser. No. 574,920. THE PENNSYLVANIA RAILROAD COMPANY, Philadelphia, Pa. Filed Mar. 4, 1949.

FOR THE TRANSPORTATION BY RAILWAY, BOAT, AND MOTOR-TRUCK OF FREIGHT AND PASSENGERS AND THE PROVISION OF RESTAURANT AND DINING CAR SERVICES AND STORAGE SERVICES.
Claims use since 1880.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,654. TOILET AND BATH SOAPS AND SOAPS IN FLAKE FORM. SWIFT AND COMPANY, Chicago, Ill.
Filed Dec. 19, 1944, Serial No. 477,751. Published Mar. 20, 1945. Class 52.

443,655. GARDEN TOOLS — NAMELY, GARDEN RAKES. CAL MANAGEMENT COMPANY, INC., Pasadena, Calif.
Filed July 22, 1946, Serial No. 506,005. Published Sept. 6, 1949. Class 23.

443,656. HOSIERY. GOTHAM HOSIERY COMPANY, INC., New York, N. Y.
Filed Feb. 11, 1947, Serial No. 517,303. Published Sept. 27, 1949. Class 39.

443,657. UNDERGARMENTS — NAMELY, APRONS, STEP-INS, AND BLOOMERS HAVING PROTECTIVE PANELS OF A SOFT MATERIAL TO PROVIDE A SOFT SURFACE PROTECTION TO THE SKIN. I. B. KLEINERT RUBBER COMPANY, INC., New York, N. Y.
Filed Apr. 15, 1947, Serial No. 520,712. Published Sept. 20, 1949. Class 39.

443,658. CHILDREN'S PANTIES. ISADORE A. HESSEL, St. Louis, Mo.
Filed July 4, 1947, Serial No. 526,228. Published Apr. 27, 1948. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

519,384. SHOES, EXCLUDING BLUE SHOES AND SHOES HAVING BLUE TOE CAPS, BUT NOT EXCLUDING SHOES HAVING A BLUE TIP ON THE UNDER OUTER FACE OF THE SOLE OF THE SHOE. L. D. KEEHN, doing business under the name Keehn Brothers, Chicago, Ill.
Original filed, act of 1905, Nov. 1, 1945; amended to application under act of 1946, Principal Register, Feb. 3, 1948, Serial 490,887. Published Sept. 27, 1949. Class 39.

519,385. SHOES, PRINCIPALLY OF LEATHER. RICE-O'NEILL SHOE COMPANY, St. Louis, Mo.
Original filed, act of 1905, Nov. 5, 1945; amended to application under act of 1946, Principal Register, Aug. 18, 1947, Serial No. 491,120. Published Sept. 20, 1949. Class 39.

519,386. TROUSERS. ISADORE MEYERS & SONS, Philadelphia, Pa.
Original filed, act of 1905, Mar. 21, 1946; amended to application under act of 1946, Principal Register, Mar. 18, 1948, Serial No. 498,709. Published Sept. 27, 1949. Class 39.

519,387. WORK CLOTHING—NAMELY, LEATHER AND FABRIC GLOVES AND MITTENS, LEATHER JACKETS, PROTECTIVE OVERALLS, APRONS, AND WELDERS' SPATS. PORTLAND GLOVE COMPANY, Portland, Oreg.
Original filed, act of 1905, Nov. 8, 1946; amended to application under act of 1946, Principal Register, Aug. 10, 1948, Serial No. 512,285. Published Sept. 27, 1949. Class 39.

519,388. SEWING MACHINES. GENERAL UTILITIES DISTRIBUTORS, INC., Chicago, Ill.
Original filed, act of 1905, Jan. 31, 1947; amended to application under act of 1946, Principal Register, Oct. 4, 1947, Serial No. 516,686. Published Sept. 6, 1949. Class 23.

519,389. DEEP WELL PUMPS; STEAM PUMPING ENGINES; DEEP WELL POWER HEADS; POWER HEADS; ETC. A. D. COOK, INCORPORATED, Lawrenceburg, Ind.
Original filed, act of 1905, May 7, 1947; amended to application under act of 1946, Principal Register, May 27, 1949, Serial No. 522,047. Published Sept. 13, 1949. Class 23.

519,390. MEN'S, WOMEN'S, AND CHILDREN'S SUITS AND OVERCOATS, SPORT SHIRTS, UNDER SHIRTS AND DRAWERS, BATHING SUITS AND BATH ROBES, MADE OF WOOL AND WOOLEN FABRICS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Original filed, act of 1905, June 12, 1947; amended to application under act of 1946, Principal Register, Apr. 9, 1948, Serial No. 524,095. Published Sept. 27, 1949. Class 39.

519,391. FELT BASE FLOOR COVERINGS. MANNINGTON MILLS, INC., Salem, N. J.
Original filed, act. of 1905, June 13, 1947; amended to application under act of 1946, Principal Register, Mar. 1, 1948, Serial No. 524,141. Published Aug. 9, 1949. Class 20.

519,392. FABRIC WORK GLOVES. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,022. Published Sept. 20, 1949. Class 39.

519,393. CASING CUTTERS, BLOWOUT PREVENTERS, WELL PACKERS, FLOW WINGS FOR WELL CHRISTMAS TREES, ETC. CAMERON IRON WORKS, Houston, Tex.
Filed July 24, 1947, Serial No. 529,353. Published Sept. 13, 1949. Class 23.

519,394. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED UNDERWEAR. WRIGHT'S UNDERWEAR CORPORATION, doing business as Glastenbury Knitting Co., New York, N. Y.
Filed Aug. 7, 1947, Serial No. 530,791. Published Sept. 27, 1949. Class 39.

519,395. MEN'S AND BOYS' SPORT AND ATHLETIC CLOTHING—NAMELY, SHIRTS, PANTS, BELTS, CAPS, HATS, AND HOSE. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed Aug. 9, 1947, Serial No. 530,980. Published Sept. 27, 1949. Class 39.

519,396. PRESSURE BLOCKS, MOLDS, VULCANIZERS, VULCANIZING PRESSES, SPREADERS, INSPECTORS, BUFFERS, PARTS THEREFOR, KNIVES, STITCHERS, MANDRELS, AND WIRE BRUSHES FOR TIRE REPAIRING. INLAND RUBBER CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,597. Published Sept. 20, 1949. Class 23.

519,397. MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, SWEAT SHIRTS, CARDIGANS, PULLOVER SWEATERS, VESTS, PANTIES, UNDERSHIRTS, T SHIRTS, POLO SHIRTS, UNION SUITS, DRAWERS, SNUGGIES, AND SLIPS. THE RIVOLI MILLS, INCORPORATED, Chattanooga, Tenn.
Filed Aug. 21, 1947, Serial No. 532,059. Published Sept. 13, 1949. Class 39.

519,398. MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, SWEAT SHIRTS, CARDIGANS, PULLOVER SWEATERS, VESTS, PANTIES, UNDERSHIRTS, T SHIRTS, POLO SHIRTS, UNION SUITS, DRAWERS, SNUGGIES, AND SLIPS. THE RIVOLI MILLS, INCORPORATED, Chattanooga, Tenn.
Filed Aug. 27, 1947, Serial No. 532,634. Published Sept. 13, 1949. Class 39.

519,399. WOMEN'S AND MISSES' HATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Aug. 2, 1947, Serial No. 533,225. Published Sept. 13, 1949. Class 39.

519,400. PAINTS (READY MIXED, PASTE, OR DRY FORM); VARNISHES; LACQUERS; STAINS; ENAMELS; JAPANS; UNDERCOATERS; THINNERS OR REDUCERS, VEGETABLE OILS, ETC. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio.
Filed Aug. 29, 1947, Serial No. 533,509. Published July 19, 1949. Class 16.

519,401. HOSIERY. BURSON KNITTING COMPANY, Rockford, Ill.
Filed Sept. 20, 1947, Serial No. 535,126. Published Sept. 13, 1949. Class 39.

519,402. OLIVES. MAWER-GULDEN-ANNIS, INC., Brooklyn, N. Y.
Filed Sept. 25, 1947, Serial No. 535,729. Published Sept. 13, 1949. Class 46.

519,403. MECHANICAL PENCILS AND FOUNTAIN PENS. THE ALMO SALES CORPORATION, Stratford, Conn.
Filed Oct. 14, 1947, Serial No. 537,779. Published Jan. 18, 1949. Class 37.

519,404. MACHINES AND PARTS THEREOF FOR GRINDING AND MIXING COFFEE AND OTHER COMMINUTED MATERIALS. JABEZ BURNS & SONS, INC., New York, N. Y.
Filed Oct. 17, 1947, Serial No. 538,144. Published Sept. 27, 1949. Class 23.

519,405. FOOD PRODUCTS SOLD IN CANS, JARS AND BOTTLES—NAMELY, APPLE JUICE, APRICOT NECTAR (CONSISTING OF APRICOT JUICE, PULP, SUGAR AND WATER), ETC. GENERAL GROCER COMPANY, St. Louis, Mo.
Filed Oct. 18, 1947, Serial No. 538,270. Published Sept. 27, 1949. Class 46.

519,406. POWER PRESSES, DIE SETS, TOOL MAKER SUPPLIES, GAGE MAKER SUPPLIES, AND DIE MAKER SUPPLIES — NAMELY, GUIDE POST BUSHINGS, GUIDE POSTS, DIE SPRINGS, GOOSENECK CLAMPS, TOGGLE CLAMPS, PUNCH SHANKS, SWIVEL ADAPTORS, LAPS, ARBORS, PRY BARS, AND BOLSTER PLATES. DANLY MACHINE SPECIALTIES, INC., Chicago, Ill.
Filed Nov. 1, 1947, Serial No. 539,857. Published Sept. 6, 1949. Class 23.

519,407. SECTION-BEAMS, SECTION-BEAM HEADS, LOOM-BEAMS, LOOM-BEAM HEADS, WARP-ROLLS, AND MILL SUPPLIES. ALLEN COMPANY, New Bedford, Mass.
Filed Nov. 5, 1947, Serial No. 540,135. Published Sept. 6, 1949. Class 23.

519,408. MEN'S AND BOYS' PANTS. STAG CLOTHES, INC., Philadelphia, Pa.
Filed Nov. 12, 1947, Serial No. 540,931. Published Sept. 20, 1949. Class 39.

519,409. MEN'S COTTON HALF HOSE AND MEN'S WOOL HALF HOSE. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Nov. 14, 1947, Serial No. 541,079. Published Sept. 13, 1949. Class 39.

519,410. STAPLING MACHINES. HOTCHKISS REALTY CORPORATION, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Delaware.
Filed Nov. 26, 1947, Serial No. 542,472. Published Sept. 20, 1949. Class 23.

519,411. PRINTING PRESSES AND SHEET FEEDERS. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J.
Filed Oct. 17, 1947, Serial No. 542,730. Published Sept. 13, 1949. Class 23.

519,412. INTERNAL COMBUSTION ENGINES AND PARTS THEREOF. ATLAS IMPERIAL DIESEL ENGINE CO., Oakland, Calif.
Filed Nov. 29, 1947, Serial No. 542,744. Published Sept. 20, 1949. Class 23.

519,413. NECKTIES. STERN, MERRITT CO. INC., New York, N. Y.
Filed Nov. 29, 1947, Serial No. 542,795. Published Sept. 20, 1949. Class 39.

519,414. SCREW DRIVERS. VACO PRODUCTS COMPANY, Chicago, Ill.
Filed Nov. 29, 1947, Serial No. 542,800. Published Sept. 20, 1949. Class 23.

519,415. MOTION PICTURE CAMERAS, MOTION PICTURE PROJECTORS, ETC. BELL & HOWELL COMPANY, Chicago, Ill.
Filed Dec. 8, 1947, Serial No. 543,678. Published Sept. 13, 1949. Class 26.

519,416. INDUSTRIAL VEGETABLE OIL MILL MACHINERY, VIZ., CRUSHING ROLLS HAVING INCORPORATED THEREWITH AS PARTS OR ACCESSORIES, ETC. BUCKEYE IRON & BRASS WORKS, Cincinnati, Ohio.
Filed Dec. 11, 1947, Serial No. 544,049. Published Sept. 27, 1949. Class 23.

519,417. BOWLING SHOES. DODSON-FISHER COMPANY, Minneapolis, Minn.
Filed Dec. 11, 1947, Serial No. 544,066. Published Sept. 20, 1949. Class 39.

519,418. LEATHER GARMENT BELTS FOR MEN. KRASNOW BELT CO., INC., New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,880. Published Sept. 13, 1949. Class 39.

519,419. MEN'S TROUSERS AND SLACKS; MEN'S, WOMEN'S, BOYS', AND GIRLS' OUTER SHIRTS; AND MEN'S ONE-PIECE COVERALLS. WASHOUGAL WOOLEN MILLS, Washougal, Wash.
Filed Dec. 30, 1947, Serial No. 545,803. Published Sept. 27, 1949. Class 39.

519,420. OVERALLS; SERVICE COATS; COVERSUITS; MEN'S, WOMEN'S, AND CHILDREN'S LINED AND UNLINED JACKETS MADE FROM LEATHER AND TEXTILES; BOYS' AND MEN'S PANTS AND BREECHES; MEN'S WORK AND DRESS SHIRTS; SMOCKS; CAPS; LADIES' SLACKS. THE VAN WERT MANUFACTURING CO., Van Wert, Ohio.
Filed Jan. 5, 1948, Serial No. 546,252. Published Sept. 13, 1949. Class 39.

519,421. HOSIERY. M. K. M. HOSIERY MILLS, INC., Boston, Mass.
Filed Jan. 14, 1948, Serial No. 547,016. Published Sept. 13, 1949. Class 39.

519,422. CONDUIT BENDING TOOLS FOR USE IN CONNECTION WITH BENDING AND SHAPING CONDUIT AND TUBING EMPLOYED IN THE INSTALLATION OF ELECTRICAL WIRING-RACEWAY SYSTEMS. THE THOMAS & BETTS CO., Elizabeth, N. J.
Filed Jan. 14, 1948, Serial No. 547,064. Published Sept. 20, 1949. Class 23.

519,423. WESTERN STYLE CLOTHING FOR MEN AND BOYS—NAMELY, PANTS, SHIRTS, AND JACKETS MADE OF WOOL AND COTTON. DICKSON-JENKINS MANUFACTURING COMPANY, Fort Worth, Tex.
Filed Jan. 16, 1948, Serial No. 547,242. Published Sept. 20, 1949. Class 39.

519,424. MOTION PICTURE FILMS. HIRSCH E. WILLIAMSON, doing business as Three Crown Productions, San Jose, Calif.
Filed Jan. 21, 1948, Serial No. 547,684. Published Sept. 13, 1949. Class 26.

519,425. HOSIERY. JOLIBAR HOSIERY CO., Boston, Mass.
Filed Jan. 26, 1948, Serial No. 547,998. Published Sept. 27, 1949. Class 39.

519,426. EARMUFFS. FEDER INDUSTRIES, INC., New York, N. Y.
Filed Jan. 29, 1948, Serial No. 548,248. Published Sept. 20, 1949. Class 39.

519,427. HOSIERY. BARBARA JEAN HOSIERY COMPANY, South Langhorne, Pa.
Filed Jan. 29, 1948, Serial No. 548,264. Published Sept. 27, 1949. Class 39.

519,428. MEN'S, WOMEN'S, MISSES' AND CHILDREN'S CAPS; HATS; SHOES OF LEATHER, CALFSKIN, SATIN, BROCADE, ETC. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed Jan. 31, 1948, Serial No. 548,539. Published Sept. 20, 1949. Class 39.

519,429. LINOLEUM AND FELT BASE, FLOOR AND WALL COVERINGS, ETC. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed Feb. 10, 1948, Serial No. 549,218. Published Sept. 20, 1949. Class 20.

519,430. MEN'S OUTER SHIRTS AND PAJAMAS. HARRIS SMITH, INC., New York, N. Y.
Filed Feb. 10, 1948, Serial No. 549,296. Published Sept. 20, 1949. Class 39.

519,431. MEN'S, WOMEN'S, AND CHILDREN'S SHOES AND SLIPPERS OF LEATHER, OF CLOTH, AND OF COMBINATIONS OF LEATHER AND CLOTH. MAURICE J. MARKELL, Brooklyn, N. Y.
Filed Feb. 11, 1948, Serial No. 549,455. Published Sept. 13, 1949. Class 39.

519,432. METAL WORKING LATHES AND WIRE-WINDING MACHINES. THE SIDNEY MACHINE TOOL COMPANY, Sidney, Ohio.
Filed Feb. 12, 1948, Serial No. 549,577. Published Sept. 20, 1949. Class 23.

519,433. HOSIERY. JOHN L. FRAD & SONS, Port Huron, Mich.
Filed Feb. 19, 1948, Serial No. 550,133. Published Sept. 13, 1949. Class 39.

519,434. LOCKS AND LOCK SYSTEMS FOR USE IN STORES, OFFICES, AND HOMES. LABELOC CORPORATION, Chicago, Ill.
Filed Feb. 19, 1948, Serial No. 550,155. Published Sept. 27, 1949. Class 25.

519,435. BRICK PRESSES, PULP PRESSES, AND AUTOMATIC JOINTER FEEDERS FOR WOODWORKING MACHINES. JACKSON & CHURCH COMPANY, Saginaw, Mich.
Filed Feb. 20, 1948, Serial No. 550,236. Published Sept. 27, 1949. Class 23.

519,436. OUTER SHIRTS, UNDER SHORTS FOR MEN, AND HANDKERCHIEFS AND NECKTIES FOR MEN AND BOYS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed Feb. 27, 1948, Serial No. 550,668. Published Sept. 13, 1949. Class 39.

519,437. MEN'S, WOMEN'S, AND CHILDREN'S JACKETS AND COATS. CALIFORNIA SPORTWEAR COMPANY, Los Angeles, Calif.
Filed Mar. 3, 1948, Serial No. 55,062. Published Sept. 27, 1949. Class 39.

519,438. HOSIERY. JULIUS KAYSER & Co., New York, N. Y.
Filed Mar. 9, 1948, Serial No. 551,566. Published Sept. 27, 1949. Class 39.

519,439. HOSIERY. JULIUS KAYSER & Co., New York, N. Y.
Filed Mar. 9, 1948, Serial No. 551,567. Published Sept. 27, 1949. Class 39.

519,440. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Mar. 16, 1948, Serial No. 552,083. Published Sept. 27, 1949. Class 39.

519,441. MEN'S, WOMEN'S, AND CHILDREN'S WATERPROOF AND WATER REPELLENT COATS AND JACKETS. KALFIN-FLEISCHMANN, INC., Boston, Mass.
Filed Mar. 25, 1948, Serial No. 552,982. Published Sept. 27, 1949. Class 39.

519,442. FELT BASE LINOLEUM RUGS, PLAIN AND INLAID LINOLEUM SOLD BY THE YARD, LINOLEUM RUG BORDERS, AND LINOLEUM STAIR TREADS. THE CUSHING AND FRASH COMPANY, Columbus, Ohio.
Filed Mar. 27, 1948, Serial No. 553,171. Published Sept. 20, 1949. Class 20.

519,443. MEN'S AND WOMEN'S TRENCH COATS AND TOP COATS. S. ABRAHAMS & Co., INC., (also known as Saco Uniforms), Philadelphia, Pa.
Filed Mar. 29, 1948, Serial No. 553,232. Published Sept. 20, 1949. Class 39.

519,444. MEN'S AND WOMEN'S TRENCH COATS AND TOP COATS. S. ABRAHAMS & Co., INC., (also known as Saco Uniforms), Philadelphia, Pa.
Filed Mar. 29, 1948, Serial No. 553,233. Published Sept. 20, 1949. Class 39.

519,445. CULTIVATORS AND TRACTORS. MECHANISED HORTICULTURAL IMPLEMENTS LIMITED, London, England.
Filed Mar. 31, 1948, Serial No. 553,500. Published Sept. 6, 1949. Class 23.

519,446. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Apr. 2, 1948, Serial No. 553,749. Published Sept. 27, 1949. Class 39.

519,447. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Apr. 2, 1948, Serial No. 553,750. Published Sept. 27, 1949. Class 39.

519,448. BOYS', YOUTHS', AND MEN'S COATS, PANTS, VESTS, AND SUITS FOR FORMAL WEAR. S. RUDOFKER'S SONS, INC., Philadelphia, Pa.
Filed Apr. 8, 1948, Serial No. 554,164. Published Sept. 27, 1949. Class 39.

519,449. BOYS', YOUTHS', AND MEN'S COATS, PANTS, VESTS, AND SUITS FOR FORMAL WEAR. S. RUDOFKER'S SONS, INC., Philadelphia, Pa.
Filed Apr. 8, 1948, Serial No. 554,165. Published Sept. 27, 1949. Class 39.

519,450. BOYS', YOUTHS', AND MEN'S COATS, PANTS, VESTS, AND SUITS FOR FORMAL WEAR. S. RUDOFKER'S SONS, INC., Philadelphia, Pa.
Filed Apr. 8, 1948, Serial No. 554,166. Published Sept. 27, 1949. Class 39.

519,451. HOSIERY. MURPHY, BRILL & SAHNER, INC., New York, N. Y.
Filed Apr. 12, 1948, Serial No. 554,392. Published Sept. 27, 1949. Class 39.

519,452. HOSIERY. MURPHY, BRILL & SAHNER, INC., New York, N. Y.
Filed Apr. 12, 1948, Serial No. 554,393. Published Sept. 27, 1949. Class 39.

519,453. MEN'S WORK SHOES CONSTRUCTED OF HORSEHIDE LEATHER AND ALSO CONSTRUCTED FROM HORSEHIDE LEATHER WITH A COMPOSITION RUBBER SOLE. WOLVERINE SHOE & TANNING CORPORATION, Rockford, Mich.
Filed Apr. 13, 1948, Serial No. 554,541. Published Sept. 13, 1949. Class 39.

519,454. LADIES' BATHING SUITS, PLAY CLOTHES, SUN DRESSES, BLOUSES, SKIRTS, BEACH ENSEMBLES, BATHING CAPES, BEACH COATS, SHORTS, SLACKS, BEACH ROBES, AND HALTERS. ABRAMS & MANN, INC., New York, N. Y.
Filed Apr. 16, 1948, Serial No. 555,138. Published Sept. 27, 1949. Class 39.

519,455. AUTOMOBILE ACCESSORIES — NAMELY, FOR AUTOMOBILE JACKS. THE DALTON FOUNDRIES, INC., Warsaw, Ind.
Filed Apr. 22, 1948, Serial No. 555,254. Published Sept. 13, 1949. Class 23.

519,456. LADIES', MEN'S, MISSES', AND CHILDREN'S SLIPPERS, OF LEATHER, FABRIC, AND/OR COMBINATIONS OF SAID MATERIALS. KNIGHT SLIPPER MFG. CORP., Brooklyn, N. Y.
Filed Apr. 26, 1948, Serial No. 555,607. Published Sept. 20, 1949. Class 39.

519,457. CAN OPENERS. CARL GUTEKUNST, York, Pa.
Filed Apr. 27, 1948, Serial No. 555,669. Published Sept. 20, 1949. Class 23.

519,458. MEN'S, WOMEN'S, AND BOYS' WORK CLOTHING—NAMELY, OVERALLS, DUNGAREES, JACKETS, TROUSERS, AND SHIRTS. PEERLESS SHIRT & OVERALL MFG. CO., Wilkes-Barre, Pa.
Filed Apr. 29, 1948, Serial No. 555,839. Published Sept. 27, 1949. Class 39.

519,459. MEN'S SUITS AND TOP-COATS AND OVERCOATS. GATELY'S PURCHASING DEPARTMENT, INC., Chicago, Ill.
Filed May 1, 1948, Serial No. 556,006. Published Sept. 20, 1949. Class 39.

519,460. POPLIN JACKETS AND WOOL JACKETS OF VARIOUS COLORS EXCLUDING THOSE OF JET BLACK COLOR. W. SHANHOUSE SONS, INC., Rockford, Ill.
Filed May 3, 1948, Serial No. 556,144. Published Sept. 13, 1949. Class 39.

519,461. POPLIN JACKETS AND WOOL JACKETS OF VARIOUS COLORS EXCLUDING THOSE OF JET BLACK COLOR. W. CHANHOUSE SONS, INC., Rockford, Ill.
Filed May 3, 1948, Serial No. 556,145. Published Sept. 13, 1949. Class 39.

519,462. LADIES' AND MISSES' SLIPS, NIGHTGOWNS, CAMISOLES, PANTIES, ENSEMBLES COMPRISING A NIGHTGOWN AND NEGLIGEE, PAJAMAS, LOUNGING ROBES, PANTALOONS, BLOOMERS, AND PETTICOATS. S. COHEN & Co. INC., New York, N. Y.
Filed May 5, 1948, Serial No. 556,318. Published Sept. 13, 1949. Class 39.

519,463. OIL FILM BEARINGS. THE SANDY HILL IRON & BRASS WORKS, Hudson Falls, N. Y.
Filed Jan. 9, 1948, Serial No. 556,701. Published Sept. 20, 1949. Class 23.

519,464. OIL FIELD DRILLING EQUIPMENT (DRAWWORKS). BETHLEHEM SUPPLY COMPANY, Tulsa, Okla.
Filed May 11, 1948, Serial No. 556,762. Published Sept. 27, 1949. Class 23.

519,465. POTATO CHIPS. NATIONAL PEANUT CORPORATION, Wilkes-Barre, Pa.
Filed May 12, 1948, Serial No. 556,906. Published Sept. 27, 1949. Class 46.

519,466. BLOOD COUNTING AND TESTING APPARATUS INCLUDING A LIGHT SENSITIVE ELEMENT AND A METER FOR PROVIDING READINGS RELATIVE TO BLOOD CONSTITUENTS. ERNEST L. ROWLAND, JR., doing business as Rowland Research Laboratories, Jacksonville, Fla.
Filed May 12, 1948, Serial No. 556,919. Published Sept. 13 ,1949. Class 26.

519,467. LADIES' HOSIERY. LYNCHBURG HOSIERY MILLS, INC., Lynchburg, Va.
Filed May 14, 1948, Serial No. 557,054. Published Sept. 13, 1949. Class 39.

519,468. SHOE INSOLES. U. S. FOOT APPLIANCE CORPORATION, Chicago, Ill.
Filed May 14, 1948, Serial No. 557,094. Published Sept. 13, 1949. Class 39.

519,469. WOMEN'S PLAY SUITS, BATHING SUITS, BLOUSES, SHORTS FOR OUTER WEAR, SLACKS, HALTERS, SCARFS, AND HEAD WEAR—NAMELY, TURBANS, PEASANT SQUARES, AND KERCHIEFS. CORNIBERT, INC., New York, N. Y.
Filed May 15, 1948, Serial No. 557,117. Published Sept. 27, 1949. Class 39.

519,470. LADIES' AND MISSES' SCARFS, DICKEYS, COLLARS, AND VESTEES, AND A WATERPROOFED DEVICE WHICH MAY BE WORN AS A HAT OR A COLLAR. CORNIBERT, INC., New York, N. Y.
Filed May 15, 1948, Serial No. 557,118. Published Sept. 27, 1949. Class 39.

519,471. ICE MILK. FORREMOST DAIRIES, INC., Jacksonville, Fla.
Filed May 20, 1948, Serial No. 557,449. Published Aug. 16, 1949. Class 46.

519,472. MEN'S SUITS. JOSEPH SINGER, INC., Hart, Mich.
Filed May 20, 1948, Serial No. 557,472. Published Sept. 13, 1949. Class 39.

519,473. WOMEN'S, MISSES', AND CHILDREN'S SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. DAYTIMER SHOE COMPANY, North Adams, Mass.
Filed May 21, 1948, Serial No. 557,506. Published Sept. 20, 1949. Class 39.

519,474. MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. FRENCH, SHRINER & URNER MANUFACTURING CO., Boston, Mass.
Filed May 21, 1948, Serial No. 557,515. Published Sept. 13, 1949. Class 39.

519,475. HOSIERY. PILOT FULL FASHION MILLS, INC., Valdese, N. C.
Filed May 25, 1948, Serial No. 557,776. Published Sept. 13, 1949. Class 39.

519,476. SOLES AND HEELS. GRO-CORD RUBBER COMPANY, Lima, Ohio.
Filed Apr. 14, 1948, Serial No. 557,980. Published Sept. 13, 1949. Class 39.

519,477. HOSIERY. SAPPHIRE HOSIERY CORPORATION, New York, N. Y.
Filed May 29, 1948, Serial No. 558,171. Published Sept. 13, 1949. Class 39.

519,478. SHOES, MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. HALLOWELL SHOE COMPANY, Hallowell, Maine.
Filed June 2, 1948, Serial No. 558,298. Published Sept. 27, 1949. Class 39.

519,479. OLIVES AND MARASCHINO CHERRIES. PURITAN COMPANY OF AMERICA, Chicago, Ill.
Filed June 2, 1948, Serial No. 558,321. Published Sept. 27, 1949. Class 46.

519,480. SAFETY RAZOR BLADES. EVERSHARP, INC., Chicago, Ill.
Filed June 3, 1948, Serial No. 558,381. Published Sept. 13, 1949. Class 23.

519,481. SHOES. MERCANTILE STORES COMPANY, INC., Wilmington, Del.
Filed June 3, 1948, Serial No. 558,400. Published Sept. 27, 1949. Class 39.

519,482. HOSIERY. FLORENTINE HOSIERY MILLS, Philadelphia, Pa.
Filed June 11, 1948, Serial No. 559,015. Published Sept. 13, 1949. Class 39.

519,483. MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS, UNDERWEAR, SOCKS, AND NECKTIES, AND WOMEN'S SUITS, COATS, BLOUSES, DRESSES, HOSIERY, AND SHOES. WEBER AND HEILBRONER, INC., New York, N. Y.
Filed June 15, 1948, Serial No. 559,263. Published Sept. 27, 1949. Class 39.

519,484. DUPLICATING MACHINES FOR THE STENCIL DUPLICATION OF TYPED, DRAWN, AND WRITTEN MATTER AND THE LIKE AND FOR STENCIL CLEANING MACHINES. A. B. DICK COMPANY, Chicago, Ill.
Filed June 18, 1948, Serial No. 559,586. Published Sept. 20, 1949. Class 23.

519,485. RAINCOATS. HOLLANDIA KATTENBURG, INCORPORATED, New York, N. Y.
Filed June 19, 1948, Serial No. 559,707. Published Sept. 20, 1949. Class 39.

519,486. MEN'S AND BOYS' UNION SUITS, PAJAMAS, ATHLETIC SHORTS AND RUNNING PANTS, ATHLETIC SHIRTS AND DRAWERS, ATHLETIC UNDERSHIRTS, SPORT SHIRTS, AND SPORT JACKETS. HUNTER BROTHERS COMPANY INC., Statesville, N. C.
Filed June 19, 1948, Serial No. 559,709. Published Sept. 13, 1949. Class 39.

519,487. BOW TIES, NECKTIES, SPORT, DRESS, AND NEGLIGEE SHIRTS FOR MEN AND BOYS, SLACKS, PAJAMAS, SPORT COATS, SHORTS, SCARFS, UNDERWEAR FOR MEN AND BOYS, HANDKERCHIEFS, HOSIERY, AND SHOES. SOL SHERMAN, doing business as Sherman Products, New York, N. Y.
Filed June 28, 1948, Serial No. 560,359. Published Sept. 27, 1949. Class 39.

519,488. WOMEN'S HOSIERY. IRMA HOSIERY COMPANY, Philadelphia, Pa.
Filed June 30, 1948, Serial No. 560,472. Published Sept. 20, 1949. Class 39.

519,489. LADIES' HOSIERY. OLLY GRUNER, doing business as Blue-Bird Shoppe, New York, N. Y.
Filed July 8, 1948, Serial No. 560,883. Published Sept. 27, 1949. Class 39.

519,490. NURSES' UNIFORMS. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed July 9, 1948, Serial No. 560,958. Published Sept. 13, 1949. Class 39.

519,491. MEN'S SPORT SHIRTS AND DRESS SHIRTS. RICH GUILD SHIRT COMPANY, New York, N. Y.
Filed July 10, 1948, Serial No. 561,142. Published Sept. 27, 1949. Class 39.

519,492. WOMEN'S HOSIERY. LAROMAN GRAY COMPANY, Philadelphia, Pa.
Filed July 13, 1948, Serial No. 561,247. Published Sept. 27, 1949. Class 39.

519,493. DETACHABLE GARMENT POCKETS. ALFRED HJELM, Seattle, Wash.
Filed July 26, 1948, Serial No. 562,188. Published Sept. 20, 1949. Class 39.

519,494. BOYS' SLACKS AND OVERALLS. HORTEX MANUFACTURING CO., INC., El Paso, Tex.
Filed July 29, 1948, Serial No. 562,472. Published Sept. 20, 1949. Class 39.

519,495. FORCE MEASURING TRANSMITTER—NAMELY, A TRANSMITTER OF THE TYPE USING AN UNBONDED ELECTRICAL STRAIN GAUGE AS THE METERING ELEMENT. THE HAYS CORPORATION, Michigan City, Ind.
Filed Aug. 10, 1948, Serial No. 563,116. Published Sept. 13, 1949. Class 26.

519,496. BELTS FOR WEARING APPAREL. THE PICTURE BELT COMPANY, Denver, Colo.
Filed July 6, 1948, Serial No. 563,534. Published Sept. 20, 1949. Class 39.

519,497. LATHES, SHAPERS, MILLING MACHINES, AND CENTERING MACHINES. THE HENDEY MACHINE COMPANY, Torrington, Conn.
Filed Apr. 9, 1948, Serial No. 563,999. Published Sept. 27, 1949. Class 23.

519,498. PHOTOGRAPHIC FILMS AND SENSITIZED PHOTOGRAPHIC PAPERS IN STRIP, ROLL, AND PAD FORM. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed Aug. 25, 1948, Serial No. 564,101. Published Sept. 13, 1949. Class 26.

519,499. TEST BLOCKS USED FOR REFERENCE STANDARDS IN THE MEASUREMENT OF THE HARDNESS OF MATERIALS. WILSON MECHANICAL INSTRUMENT COMPANY, INC., Bridgeport, Conn.
Filed July 15, 1948, Serial No. 565,519. Published Sept. 13, 1949. Class 26.

519,500. CORSETS, CORSELETS, GIRDLES, BANDEAUX, PANTIES, BRASSIÈRES, AND FOUNDATION GARMENTS. VANITY CORSET COMPANY, INC., New York, N. Y.
Filed Sept. 22, 1948, Serial No. 565,666. Published Sept. 27, 1949. Class 39.

519,501. HYDRAULIC TESTING EQUIPMENT—NAMELY, NOZZLE TESTERS AND HAND-OPERATED TEST PUMPS. AIRCRAFT & DIESEL EQUIPMENT CORPORATION, Chicago, Ill., assignor, by mesne assignments, to Louis G. Simmons, Chicago, Ill.
Filed Oct. 8, 1948, Serial No. 566,682. Published Sept. 13, 1949. Class 26.

519,502. SPECTACLE LENSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed Oct. 8, 1948, Serial No. 566,688. Published Sept. 13, 1949. Class 26.

519,503. COFFEE MEASURING CUPS. CORY CORPORATION, Chicago, Ill.
Filed Oct. 8, 1948, Serial No. 566,692. Published Sept. 13, 1949. Class 26.

519,504. SLIPS AND PETTICOATS. CHARLES SCHUSTER, doing business as Eve-N-Form Undergarment Co., Philadelphia, Pa.
Filed Oct. 11, 1948, Serial No. 566,809. Published Sept. 27, 1949. Class 39.

519,505. SPECTACLE FRAMES. ZYLITE OPTICAL CO. INC., New York, N. Y.
Filed Oct. 12, 1948, Serial No. 566,908. Published Sept. 13, 1949. Class 26.

519,506. INSTRUMENT FOR MEASURING THE TEMPERATURE, VELOCITY, AND OTHER CONDITIONS OF AIR AND GASES. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed Oct. 14, 1948, Serial No. 566,964. Published Sept. 13, 1949. Class 26.

519,507. DRESSER SETS OF BASE METAL INCLUDING THREE OR MORE OF THE FOLLOWING: MIRROR, BRUSH, COMB, CUTICLE SCISSORS, FINGERNAIL FILE, ETC. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo.
Filed Nov. 15, 1948, Serial No. 568,782. Published Sept. 13, 1949. Class 40.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

519,508. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) GULF & WEST INDIES CO., INC., New York, N. Y. Original filed, act of 1905, Mar. 11, 1944; amended to application under act of 1946, Supplemental Register, July 29, 1949, Serial No. 468,199.

Sil-kee

FOR COSMETIC APPLICATORS IN THE NATURE OF POWDER PUFFS, ETC., MADE FROM SPONGES.
Claims use since Nov. 1, 1946.

519,509. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE ARTO MANUFACTURING COMPANY, INC., Philadelphia, Pa. Original filed, act of 1905, May 1, 1946; amended to application under act of 1946, Supplemental Register, Apr. 6, 1948, Serial No. 501,230.

NU-FLOOR

FOR FLOOR FINISHES—NAMELY, READY-MIXED PAINTS AND RESINOUS VARNISHES.
Claims use since Sept. 26, 1944.

519,510. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COFFIN & NEELEY, Los Angeles, Calif. Original filed, act of 1905, May 22, 1946; amended to application under act of 1946, Supplemental Register, Aug. 31, 1948, Serial No. 502,607.

SCRUSTART

The representation of the goods is disclaimed.
FOR SCREWDRIVERS.
Claims use since Nov. 1, 1945.

519,511. (CLASS 52. DETERGENTS AND SOAPS.) NEILSON CHEMICAL COMPANY, Detroit, Mich. Original filed, act of 1905, Jan. 19, 1946; amended to application under act of 1946, Principal Register, Sept. 15, 1947; amended to Supplemental Register, Dec. 24, 1948, Serial No. 504,202.

Prepwash

FOR A CHEMICAL PREPARATION FOR CLEANING AND PREPARING METAL SURFACES TO RECEIVE PAINT.
Claims use since Jan. 2, 1942.

519,512. (CLASS 2. RECEPTACLES.) CELLU-CRAFT PRODUCTS COMPANY, New York, N. Y. Original filed, act of 1905, June 22, 1946; amended to application under act of 1946, Supplemental Register, June 30, 1948, Serial No. 504,432.

FACE-VUE

FOR BAGS FOR PACKAGING TEXTILE ARTICLES, CONSISTING OF BLOUSES, MEN'S SHIRTS, PAJAMAS, NECKWEAR AND GLOVES, SAID BAGS BEING MADE OF PLASTIC MATERIAL, PAPER, CARDBOARD OR A COMBINATION OF ANY TWO OR THREE THEREOF.
Claims use since Apr. 6, 1946.

519,513. (CLASS 23. CUTLERY, MACHINERY AND TOOLS, AND PARTS THEREOF.) FRANK J. ETEM, doing business as Gard-N-Eze Co., Escondido, Calif. Original filed, act of 1905, Oct. 22, 1946; amended to application under act of 1946, Supplemental Register, Jan. 16, 1948, Serial No. 511,271.

GARD-N-EZE
GARDEN TRACTOR

FOR GARDEN TRACTORS.
Claims use since Sept. 10, 1946.

519,514. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) APPLIANCE PARTS COMPANY, Cedar Falls, Iowa. Original filed, act of 1905, Nov. 9, 1946; amended to application under act of 1946, Supplemental Register, Aug. 20, 1948, Serial No. 512,311.

BEST MAID

The representation of the lady is fanciful.
FOR WRINGER ROLLS.
Claims use since Oct. 7, 1946.

519,515. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Original filed, act of 1905, Jan. 14, 1947; amended to application under act of 1946, Supplemental Register, Jan. 28, 1948, Serial No. 515,695.

'NEOBASE'

FOR GREASELESS BASE FOR MEDICAMENTS USED FOR APPLICATION TO THE SKIN.
Claims use since Dec. 19, 1946.

519,516. (CLASS 11. INKS AND INKING MATERIALS.) ATLANTIC POWDERED METALS, INC., New York, N. Y. Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Supplemental Register, Nov. 10, 1948, Serial No. 521,313.

NUBRONS

FOR METAL POWDER AND METAL PASTE, BOTH USED FOR MAKING INKS, AND MADE FROM METALS SUCH AS ALUMINUM, BRASS, COPPER, MAGNESIUM, TIN AND ZINC.
Claims use since Apr. 14, 1947.

519,517. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ROBERTSON FACTORIES, INC., New York, N. Y. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Supplemental Register, Mar. 23, 1949, Serial No. 522,457.

Shadownet

FOR WINDOW CURTAINS.
Claims use since August 1942.

519,518. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, June 25, 1948; amended to Supplemental Register, Oct. 11, 1949, Serial No. 526,220.



The illustration of the boy is fanciful.
FOR BOW TIES.
Claims use since Apr. 3, 1947.

519,519. (CLASS 23, CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GAY-LEE COMPANY, Ferndale, Mich. Original filed, act of 1946, Principal Register, July 30, 1947; amended to application, Supplemental Register, Oct. 6, 1948, Serial No. 529,976.

GAY-LEE

FOR CUTTING TOOLS CONSISTING OF CARBIDE SAWS, RECESS CUTTERS, GEAR TOOTH ROUNDING CUTTERS, GEAR TOOTH THINNING CUTTERS, GEAR TOOTH POINTERS, CHAMFERING CUTTERS, SPERICAL RADIUS CUTTERS, CENTER DRILLS, BURRING TOOLS, COUNTERBORES, TOOTH ROUNDING BLANKS, OIL GROOVE CUTTERS, HOLLOW MILL CUTTERS, END MILL CUTTERS AND REAMERS.
Claims use since Mar. 15, 1945.

519,520. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAY COMPANY, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Aug. 1, 1947; amended to application, Supplemental Register, Aug. 7, 1948, Serial No. 530,174.

THE DAY CO.

FOR DYNAMO-PRECIPITATOR OR HYDRO-STATIC TYPE OF DUST COLLECTORS OF THE CENTRIFUGAL GENRE EQUIPPED WITH BAFFLE PLATES.
Claims use since 1907.

519,521. (CLASS 39. CLOTHING.) THE H & W COMPANY, Newark, N. J. Original filed, act of 1946, Principal Register, Aug. 20, 1947; amended to application, Supplemental Register, Apr. 26, 1949, Serial No. 531,911.

STA-DOWN

Applicant claims ownership of Registration No. 178,925.
FOR BRASSIÈRES, GIRDLES, AND CORSETTES, (GARMENTS COMBINING A LOWER GIRDLE SECTION AND AN UPPER BANDEAU SECTION).
Claims use since Nov. 7, 1922.

519,522. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WALLACE J. LORENZ, Arlington, Calif. Original filed, act of 1946, Principal Register, Aug. 27, 1947; amended to application, Supplemental Register, Feb. 1, 1949, Serial No. 533,234.



The mark consists of "Lorenz" and the representation of a broom.
FOR BROOMS AND MOPS.
Claims use since July 1, 1941.

519,523. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PYREXON RAY COMPANY LIMITED, Toronto, Canada. Filed Sept. 5, 1947, Serial No. 533,822.

Infra-Ray

Applicant claims ownership of Canadian Registration No. N. S. 22,317.
FOR ELECTRIC HEATING PADS.

519,524. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) LADY ESTHER, LTD., Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 9, 1947; amended to application, Supplemental Register, Jan. 24, 1949, Serial No. 533,865.

CRIMSON BRONZE

FOR LIPSTICK.
Claims use since July 11, 1947.

519,525. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio. Original filed, act of 1946, Principal Register, Sept. 26, 1947; amended to application, Supplemental Register, Apr. 28, 1949, Serial No. 535,917.

"for the ONLY pair of eyes YOU'LL ever have"

FOR SPECTACLES, SPECTACLE FRAMES, AND OPHTHALMIC LENSES.
Claims use since Aug. 1, 1930.

519,526. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) VINTAGE WINES, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 22, 1947; amended to application, Supplemental Register, Apr. 13, 1949, Serial No. 538,685.

Logis du May

FOR COGNAC.
Claims use since Dec. 31, 1903.

519,527. (CLASS 48. MALT BEVERAGES AND LIQUORS.) FREDERICK'S BREWING CO., Thornton, Ill., now by change of name McAvoy Brewing Company, a corporation of Illinois. Original filed, act of 1946, Principal Register, Nov. 5, 1947; amended to application, Supplemental Register, Dec. 2, 1948, Serial No. 540,184.

Malt-Marrow

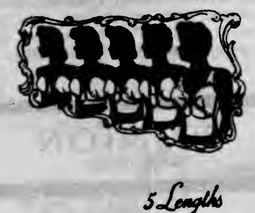
FOR BEER.
Claims use since Mar. 3, 1947.

519,528. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) D. B. FULLER & CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 10, 1947; amended to application, Supplemental Register, Dec. 2, 1948, Serial No. 540,662.

PATIO

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since Aug. 1, 1947.

519,529. (CLASS 39. CLOTHING.) NUZAN BRASSIERE CO., INC., New York, N. Y., assignor to Surprise Brassiere Co., Inc., New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, Nov. 26, 1947; amended to application, Supplemental Register, Nov. 17, 1948, Serial No. 542,482.



Applicant claims ownership of Registration No. 367,015.
FOR BRASSIÈRES.
Claims use since September 1945.

519,530. (CLASS 52. DETERGENTS AND SOAPS.) BELL CHEMICAL CO., Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 24, 1947; amended to application, Supplemental Register, July 29, 1949, Serial No. 545,331.

THE ONLY BELL THAT WILL NOT "RING"

Applicant claims ownership of Registration No. 256,060.
FOR CLEANING FLUID (DRY CLEANER).
Claims use since Sept. 1, 1928.

519,531. (CLASS 39. CLOTHING.) M. JACKMAN & SONS, INC., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Jan. 14, 1948; amended to application, Supplemental Register, Oct. 12, 1949, Serial No. 546,997.

Jackman

FOR MEN'S AND WOMEN'S CLOTHING—NAMELY, MEN'S JACKETS, SPORT AND LEISURE COATS, SLACKS, SPORT SHIRTS, OUTER SUITS, TOP COATS, DRESS VESTS AND CUMMERBUNDS, AND WOMEN'S JACKETS AND COATS, SUITS, SKIRTS, SLACKS, TOP COATS, AND SPORT SHIRTS.
Claims use since Jan. 15, 1945.

519,532. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PLAN-O-BLOCKS, INC., Binghamton, N. Y. Original filed, act of 1946, Principal Register, Jan. 26, 1948; amended to application, Supplemental Register, July 29, 1949, Serial No. 548,015.

PLAN-O-BLOCKS

FOR PACKAGE CONTAINING A SET OF SCALED COMPONENTS FOR ARCHITECTURAL MODELS—NAMELY, PROPORTIONALLY RELATED THREE-DIMENSIONAL UNITS REPRESENTATIVE OF ROOM SPACES AND ROOF AND STEP DETAILS, AND ATTACHABLE SHEET-LIKE UNITS REPRESENTATIVE OF DOORS IN PLAN AND WINDOWS AND DOORS IN PLAN AND ELEVATION, TO BE USED AS AN AID TO VISUALIZATION OF PROPOSED HOME CONSTRUCTIONS.
Claims use since Nov. 28, 1947.

519,533. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) MILLERTON MANUFACTURING COMPANY, INC., Millerton, N. Y. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, Mar. 4, 1949, Serial No. 548,981.

Ⓜ BOYNTON Ⓜ
ACCESSORIES

FOR BEDROOM ENSEMBLES—NAMELY, BEDSPREADS, DRAPES, VANITY SKIRTS, AND PILLOW SHAMS.
Claims use since Dec. 1, 1947.

519,534. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIZZELS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 27, 1948; amended to application, Supplemental Register, Oct. 29, 1949, Serial No. 550,755.

MINT POLE

FOR CONFECTIONERY—NAMELY, CANDY.
Claims use since Feb. 5, 1948.

519,535. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) GANSON MANUFACTURING COMPANY, San Francisco, Calif. Original filed, act of 1946, Principal Register, Mar. 26, 1948; amended to application, Supplemental Register, Sept. 16, 1949, Serial No. 553,097.

VALDEZ

FOR LADIES' AND CHILDREN'S HANDBAGS AND POCKETBOOKS.
Claims use since Dec. 12, 1946.

519,536. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. SKLAR MANUFACTURING CO., Long Island City, N. Y. Filed Apr. 20, 1948, Serial No. 555,088.

TRU-GRIP

FOR SURGICAL INSTRUMENTS USED TO KEEP AN ORIFICE OPEN FOR DIAGNOSTIC OR SURGICAL PURPOSES.
Claims use since Dec. 12, 1946.

519,537. (CLASS 39. CLOTHING.) THE STROUSE, ADLER COMPANY, New Haven, Conn. Filed May 14, 1948, Serial No. 557,085.

CLASPON

FOR WOMEN'S CORSETS.
Claims use since Oct. 19, 1922.

519,538. (CLASS 39. CLOTHING.) FORMAID CO., Boston, Mass. Original filed, act of 1946, Principal Register, May 15, 1948; amended to application, Supplemental Register, Apr. 21, 1949, Serial No. 557,125.

"FOR THAT PRICELESS YOUNG LOOK"

FOR BRASSIÈRES.
Claims use since January 1944.

519,539. (CLASS 25. LOCKS AND SAFES.) ADAMS RITE MANUFACTURING COMPANY, Glendale, Calif. Original filed, act of 1946, Principal Register, May 29, 1948; amended to application, Supplemental Register, Sept. 30, 1949, Serial No. 558,094.

RITE-LOCK

FOR LOCKS.
Claims use since Mar. 23, 1948.

519,540. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) THE MAYBORN FOOD PRODUCTS CO., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Apr. 28, 1948; amended to application, Supplemental Register, Sept. 15, 1949, Serial No. 559,448.

ORANGETRUE

Applicant claims ownership of Registration No. 192,200.
FOR ORANGE-FLAVORED SYRUP USED IN THE PREPARATION OF NON-ALCOHOLIC MALTLESS SOFT DRINKS.
Claims use since Apr. 26, 1921.

519,541. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROSABELLE HALYARD, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, June 23, 1948; amended to application, Supplemental Register, May 13, 1949, Serial No. 560,018.

ROSE HALYARD

The trade-mark consists of the fanciful name "Rose Halyard," which is a deviation of applicant's name.
FOR PREPARED BANDAGE BRACES FOR REDUCING SWELLING IN JOINTS OF ARMS AND LEGS.
Claims use since Mar. 27, 1947.

519,542. (CLASS 48. MALT BEVERAGES AND LIQUORS.) PIEL BROS., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, June 28, 1948; amended to application, Supplemental Register, Sept. 20, 1949, Serial No. 560,349.

De-licious! De-light-full! De-mand-it!

FOR BEER.
Claims use since Apr. 3, 1944.

519,543. (CLASS 39. CLOTHING.) NEW YORK MERCHANDISE CO. INC., New York, N. Y. Original filed, act of 1946, Principal Register, July 3, 1948; amended to application, Supplemental Register, Oct. 24, 1949, Serial No. 560,723.

Parisian Lady

FOR HAIR NETS.
Claims use since June 25, 1948.

519,544. (CLASS 39. CLOTHING.) ALEXETTE GLOVE CORPORATION, Gloversville, N. Y. Original filed, Oct. of 1946, Principal Register, July 10, 1948; amended to application, Supplemental Register, June 15, 1949, Serial No. 561,066.

Grandoe

FOR LEATHER GLOVES.
Claims use since Mar. 29, 1948.

519,545. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RANGER SEAFOOD, INC., Buena Park, Calif. Original filed, act of 1946, Principal Register, July 22, 1948; amended to application, Supplemental Register Oct. 17, 1949, Serial No. 561,944.

ORLANDO

FOR CANNED TUNA FISH PACKED IN OLIVE OIL.
Claims use since July 19, 1947.

519,546. (CLASS 39. CLOTHING.) D. B. ROSENBLATT, INCORPORATED, Minneapolis, Minn. Original filed, act of 1946, Principal Register, July 29, 1948; amended to application, Supplemental Register, Oct. 22, 1949, Serial No. 562,502.

Seasonall

FOR MEN'S COATS.
Claims use since Apr. 8, 1948.

519,547. (CLASS 48. MALT BEVERAGES AND LIQUORS.) PETER BUB BREWERY, INC., Winona, Minn. Original filed, act of 1946, Principal Register, Aug. 4, 1948; amended to application, Supplemental Register, Aug. 20, 1949, Serial No. 562,803.

Bub's
It's the Grain

FOR BEER.
Claims use since June 14, 1948, as in the composite mark, and since 1872, as to the mark "Bub's."

519,548. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Aug. 13, 1948, Serial No. 563,307.

Those Wearable Prints

Applicant claims ownership of Registration No. 274,763.
FOR SILK PIECE GOODS.
Claims use since July 9, 1929.

519,549. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 2, 1948, Serial No. 565,300.

CREAM WAFER

FOR TINTED FACE MAKE-UP.
Claims use since May 14, 1946.

TRADE-MARK REGISTRATIONS RENEWED

73,857. ONOTO. Registered May 25, 1909. Thomas De La Rue & Company Limited, London, England, a company organized under the laws of Great Britain. Re-renewed May 25, 1949. WRITING, PRINTING, AND DRAWING INKS. Class 11.

74,144. NUTMEG. Registered June 22, 1909. Miner, Read & Garrette. Re-renewed June 22, 1949, to Miner, Read & Tullock, Inc., New Haven, Conn., a corporation of Connecticut. CANNED VEGETABLES, FRUIT, AND FISH. Class 46.

74,488. ONOTO. Registered July 13, 1909. Thomas De La Rue & Company Limited, London, England, a company organized under the laws of Great Britain. Re-renewed July 13, 1949. RESERVOIR AND FOUNTAIN PENS AND OTHER WRITING-PENS, RULERS, WRITING-PAPERS, AND ENVELOPS. Class 37.

75,707. "DELTA" AND DESIGN OF DOUBLE OUTLINE OF REPRESENTATION OF GREEK SYMBOL FOR DELTA. Registered Nov. 2, 1909. New York Belting and Packing Company, Limited. Re-renewed Nov. 2, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC. Class 35.

75,717. CARYPTON. Registered Nov. 9, 1909. Dr. J. G. B. Siegert & Hijos. Re-renewed Nov. 9, 1949, to Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited, Port of Spain, Trinidad, a company incorporated under the laws of Trinidad. CORDIALS. Class 49.

75,777. "IDEAL" AND DRAWING. Registered Nov. 16, 1909. American Radiator Company, East Orange, N. J., Chicago, Ill., New York, N. Y., Philadelphia, Pa., Boston, Mass., London, England, Paris, France, and Berlin, Germany. Re-renewed Nov. 16, 1949, to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa., a corporation of Delaware. BOILERS AND HEATERS. Class 34.

75,886. CO-OPERATORS. Registered Nov. 23, 1909. Union Fishermen's Co-Op. Pack'g Co., Astoria, Oreg., a corporation of Oregon. Re-renewed Nov. 23, 1949. CANNED SALMON. Class 46.

76,258. "BLUE RIBBON" AND DESIGN. Registered Dec. 28, 1909. Peerless Rubber Manufacturing Company. Re-renewed Dec. 28, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. RUBBER HOSE. Class 35.

76,709. C. C. B. Registered Feb. 8, 1910. Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., Boston, Mass., Norfolk and Roanoke, Va., Chicago, Ill., and Cincinnati, Ohio. Re-renewed Feb. 8, 1950, to Castner, Curran & Bullitt, Inc., Pittsburgh, Pa., a corporation of Virginia. COAL. Class 1.

253,386. FURNITURE SOUTH. Registered Feb. 26, 1929. Barber-Hall Printing Company. Renewed Feb. 26, 1949, to Southern Furniture, Inc., High Point, N. C., a corporation of North Carolina. MONTHLY MAGAZINE. Class 38.

255,525. SALOMAR. Registered Apr. 23, 1929. General Fisheries Corporation, San Pedro, Calif. Renewed Apr. 23, 1949, to Terminal Island Sea Foods, Ltd., Terminal Island, Calif., a corporation of California. CANNED FISH. Class 46.

257,238. C-M. Registered June 4, 1929. Columbus McKinnon Chain Company. Renewed June 4, 1949, to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York. CHAINS FOR VARIOUS INDUSTRIAL PURPOSES. Class 13.

258,159. "CLIN-CO" AND DESIGN. Registered June 25, 1929. The Clinton Company, Chicago, Ill., a corporation of Illinois. Renewed June 25, 1949. LACQUERS, PAINT ENAMELS, READY-MIXED PAINT, VARNISHES, PREPARED SHELLAC, WOOD STAINS, WOOD FILLERS, FLOOR WAX, PAINT AND VARNISH REMOVER. Class 16.

260,350. NIMBUS. Registered Aug. 20, 1929. Menzel & Co. Renewed Aug. 20, 1949, to Vita Food Products, Inc., New York, N. Y., a corporation of New York. HAMS, SAUSAGES, FRANKFURTERS, SALAMI. Class 46.

260,914. RHINE GOLD. Registered Sept. 3, 1929. Ferd. Mulhens, Inc., New York, N. Y. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Sept. 3, 1949. EAU DE COLOGNE, BATH SALT, PERFUMERY, HAIR TONICS, LOTIONS FOR USE AFTER SHAVING; ETC. Class 51.

261,714. REPRESENTATION OF PIECE OF FABRIC WITH A GOLD LINE NEAR THE EDGE. Registered Sept. 24. 1929. Tingue, Brown & Co., New York, N. Y., a corporation of New York. Renewed Sept. 24, 1949. PIECE GOODS INCLUDING NAPPED COTTON FLANNEL, KNITTED COTTON, COTTON COVER CLOTH, COTTON NETTING, COTTON DUCK. Class 42.

262,207. LE-KO. Registered Oct. 1, 1929. Gypsy Products Co., Inc., Chaires, Fla. Renewed Oct. 1, 1949, to Havana Canning Company, Havana, Fla., a corporation of Florida. MAY HAW JELLY, STRAWBERRY PRESERVES, PURE GUAVA JELLY, PECANS IN THEIR NATURAL STATE, ORANGE MARMALADE, ETC. Class 46.

262,221. "UNIFORM" ETC. AND REPRESENTATION OF GROTESQUE FIGURE. Registered Oct. 1, 1929. William H. Robinson, Cairo, Ga. Renewed Oct. 1, 1949. SHELLED AND UNSHELLED PECANS. Class 46.

262,280. CHAMONETTE. Registered Oct. 1, 1929. Knothe Brothers Co. Inc., New York, N. Y., a corporation of New York. Renewed Oct. 1, 1949. MEN'S AND BOYS' PAJAMAS, TEXTILE UNDERWEAR, AND NEGLIGEE AND DRESS SHIRTS. Class 39.

262,498. ZAPON-MUSTANG AND DESIGN. Registered Oct. 15, 1929. The Zapon Company, Wilmington, Del. Renewed Oct. 15, 1949, to Textileather Corporation, Toledo, Ohio, a corporation of Delaware. PYROXYLIN, RUBBER, OR OTHERWISE COATED FABRICS—NAMELY, LEATHER CLOTH AND WATERPROOFED TEXTILE FABRICS. Class 50.

262,504. KAFSTED. Registered Oct. 15, 1929. Stedfast Rubber Company. Renewed Oct. 15, 1949, to Stedfast Rubber Company, Inc., Mattapan, Mass., a corporation of Massachusetts. ARTIFICIAL LEATHER. Class 50.

262,520. "THE FINANCIAL WORLD" ETC. Registered Oct. 15, 1929. Guenther Publishing Corporation, New York, N. Y., a corporation of New York. Renewed Oct. 15, 1949. PERIODICAL PUBLICATION. Class 38.

263,101. GRIPS. Registered Oct. 29, 1929. The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Renewed Oct. 29, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. SHOES MADE OF CANVAS AND RUBBER. Class 39.

263,103. TREASURES OF PARIS. Registered Oct. 29, 1929. Harry Kaye, doing business as Treasures of Paris, New York, N. Y. Renewed Oct. 29, 1949, to Harry Kaye, Chicago, Ill. HOSIERY; WOMEN'S AND CHILDREN'S NIGHTGOWNS, PAJAMAS, BATH ROBES, ETC. Class 39.

263,450. BROADRIDGE. Registered Nov. 5, 1929. Marlboro Shirt Company, Inc., Baltimore, Md., a corporation of Maryland. Renewed Nov. 5, 1949. MEN'S DRESS SHIRTS, WORK SHIRTS, COLLARS, AND PAJAMAS MADE OF COTTON GOODS, RAYON, AND SILK. Class 39.

263,832. ILA. Registered Nov. 12, 1929. American Needlecrafts, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 12, 1949. QUILTED GOODS IN THE PIECE MADE OF COTTON, SILK, WOOL, RAYON, AND/OR COMBINATIONS THEREOF. Class 42.

263,897. LOTOL. Registered Nov. 12, 1929. The Naugatuck Chemical Company. Renewed Nov. 12, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. LATEX COMPOSITIONS. Class 1.

264,146. "M" INCLOSED IN CIRCLE. Registered Nov. 19, 1929. O. Mustad & Sön, Oslo, Norway, a firm organized under the laws of Norway. Renewed Nov. 19, 1949. FISHHOOKS. Class 22.

264,339. LOTOL. Registered Nov. 26, 1929. The Naugatuck Chemical Company. Renewed Nov. 26, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. ADHESIVES CONTAINING RUBBER OR RUBBER COMPOSITION DISPERSED IN AN AQUEOUS MEDIUM. Class 5.

264,383. TIP TOES. Registered Nov. 26, 1929. United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Renewed Nov. 26, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. FOOTHOLDS MADE OF RUBBER OR RUBBER AND FABRIC. Class 39.

264,390. AQUAPRUF. Registered Nov. 26, 1929. A. Theo. Abbott & Co. Renewed Nov. 26, 1949, to Abbott Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. TEXTILE FABRICS HAVING THE CHARACTERISTICS OF ARTIFICIAL SILK. Class 42.

264,593. THE OIL WEEKLY. Registered Nov. 26, 1929. Gulf Publishing Company, Houston, Tex., a corporation of Texas. Renewed Nov. 26, 1949. WEEKLY PUBLICATION. Class 38.

265,407. GOODWILL ADVERTISING. Registered Dec. 24, 1929. Louis F. Dow Co. Renewed Dec. 24, 1949, to Louis F. Dow Company, St. Paul, Minn., a corporation of Minnesota. BILL FOLDS, CARDCASES, HAND BAGS, LEATHER BAGS, BRIEF CASES, STATIONERY CASES, ETC. Class 3.

265,423. LUXOR. Registered Dec. 24, 1929. B. K. Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Dec. 24, 1949. ARTISTS' PAINTS, ARTISTS' COLORS, AND ARTISTS' PIGMENTS. Class 16.

265,526. NUJOL. Registered Dec. 31, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Dec. 31, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. EMPTY GLASS BOTTLES. Class 33.

266,349. DILLARD'S ASPERGUM. Registered Jan. 14, 1930. William C. Nalle, Washington, D. C., assignor to Health Products Corporation. Renewed Jan. 14, 1950, to White Laboratories, Inc., Newark, N. J., a corporation of New Jersey. CHEWING GUM CONTAINING ASPIRIN. Class 18.

266,641. "MOTHER'S BEST" AND DRAWING. Registered Jan. 28, 1930. H. G. Prince & Co., Fruitvale, Calif., assignor to California Packing Corporation. Renewed Jan. 28, 1950, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED FRUIT. Class 46.

266,649. "KLEEN-EX" AND DRAWING LINED FOR RED. Registered Jan. 28, 1930. San-I-Sal Laboratories, Inc., Washington, D. C. Renewed Jan. 28, 1950, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware. DRY CLEANER FOR CLEANING FABRICS. Class 52.

266,665. GOODWILL ADVERTISING. Registered Jan. 28, 1930. Louis F. Dow Co. Renewed Jan. 28, 1950, to Louis F. Dow Company, St. Paul, Minn., a corporation of Minnesota. PENCILS, MEMO BOOKS, PRINTED SCORE CARDS, PAPER WEIGHTS, ETC. Class 37.

266,666. GOLD MEDAL. Registered Jan. 28, 1930. Reeves, Parvin & Co., Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 28, 1950. CANNED TOMATOES AND GROUND PEPPER. Class 46.

266,667. REDILITE. Registered Jan. 28, 1930. Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota. Renewed Jan. 28, 1950. PYROPHORIC CIGAR LIGHTERS. Class 8.

266,822. FORD. Registered Feb. 4, 1930. Ford Motor Company, Fordson, Mich. Renewed Feb. 4, 1950, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. PASTE AND READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, AND AUTOMOBILE POLISHES. Class 16.

266,847. AIRDI. Registered Feb. 4, 1930. Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey. Renewed Feb. 4, 1950. AIR-HARDENING TOOL STEEL. Class 14.

267,010. HY-CROME. Registered Feb. 11, 1930. The Reliance Manufacturing Company, Massillon, Ohio. Renewed Feb. 11, 1950, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio. NUT LOCKS AND SPRING WASHERS. Class 13.

267,072. STEAMATIC. Registered Feb. 11, 1930. United Conveyor Corporation, Chicago, Ill., a corporation of Illinois. Renewed Feb. 11, 1950. PNEUMATIC CONVEYORS AND CONVEYING SYSTEM COMPRISING A SYSTEM OF PIPES FORMING A CONDUIT, ETC. Class 23.

267,073. NUVEYOR. Registered Feb. 11, 1930. United Conveyor Corporation, Chicago, Ill., a corporation of Illinois. Renewed Feb. 11, 1950. PNEUMATIC CONVEYORS AND CONVEYING SYSTEMS COMPRISING A SYSTEM OF PIPES FORMING A CONDUIT, ETC. Class 23.

267,104. LAND O' SMILES. Registered Feb. 11, 1930. Producers Creamery Company, Springfield, Mo., a corporation of Missouri. Renewed Feb. 11, 1950. BUTTER AND POWDERED MILK. Class 46.

267,116. GOLDEN HILL. Registered Feb. 11, 1930. Holly Hill Fruit Products, Inc., Davenport, Fla., a corporation of Florida. Renewed Feb. 11, 1950. FRESH CITRUS FRUITS, ORANGE MARMALADE, AND ORANGE JUICE FOR FOOD PURPOSES. Class 46.

267,117. BONNY HILL. Registered Feb. 11, 1930. Holly Hill Fruit Products, Inc., Davenport, Fla., a corporation of Florida. Renewed Feb. 11, 1950. FRESH CITRUS FRUITS. Class 46.

267,204. HALDI. Registered Feb. 18, 1930. Halcomb Steel Company, Geddes, Syracuse, N. Y. Renewed Feb. 18, 1950, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey. AIR-HARDENING DIE STEEL. Class 14.

267,288. TECHNICOLOR. Registered Feb. 18, 1930. Technicolor Motion Picture Corporation, Boston, Mass. Renewed Feb. 18, 1950, to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine. MOTION-PICTURE FILMS. Class 26.

267,390. "H-W" AND DESIGN. Registered Feb. 18, 1930. Hickman, Williams & Company, Cincinnati, Ohio, a corporation of Delaware. Renewed Feb. 18, 1950. PIG IRON, FERROALLOYS, AND STEEL. Class 14.

267,444. "INDIAN TRAIL FOOTWEAR" AND DESIGN. Registered Feb. 18, 1930. Foot Form Shoe Shops, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 18, 1950. MEN'S, WOMEN'S, AND CHILDREN'S SHOES, BOOTS, SLIPPERS, ETC. Class 39.

267,624. MARBROOKE. Registered Feb. 25, 1930. Stix, Baer and Fuller Company, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 25, 1950. MEN'S AND BOYS' OUTER WEARING APPAREL—NAMELY, SUITS, OVERCOATS, TOPCOATS AND TROUSERS. Class 39.

268,108. "STARTLING DETECTIVE ADVENTURES" WITHIN RECTANGULAR BORDER. Registered Mar. 11, 1930. Fawcett Publications, Inc., Robbinsdale, Minn. Renewed Mar. 11, 1950, to Fawcett Publications, Inc., Greenwich, Conn., a corporation of Delaware. MAGAZINES PUBLISHED EVERY MONTH. Class 38.

268,465. LULLABY. Registered Mar. 18, 1930. Interstate Department Stores, Inc. Renewed Mar. 18, 1950, to Plymouth Wholesale Dry Goods Corporation, New York, N. Y., a corporation of New York. BED SHEETS, PILLOWCASES, SHEETINGS AND MUSLINS IN THE PIECE, BOTH BLEACHED AND BROWN. Class 42.

268,490. PRIMLEE. Registered Mar. 18, 1930. The Primfit Textile Company, Inc. Renewed Mar. 18, 1950, to Jerks Socks, Inc., Cincinnati, Ohio, a corporation of Ohio. LADIES', MEN'S, AND CHILDREN'S HOSIERY AND KNITTED AND TEXTILE UNDERWEAR IN ONE AND TWO PIECE GARMENTS. Class 39.

268,670. "VICTORY" AND REPRESENTATION OF HORSESHOE. Registered Mar. 18, 1930. The Victory Racing Plate Company, Baltimore, Md., a corporation of Maryland. Renewed Mar. 18, 1950. HORSESHOES. Class 3.

268,699. REPRESENTATION OF RECTANGLE WITH DIAGONALLY PLACED RECTANGLES THEREIN. Registered Mar. 18, 1930. Standard Brands Incorporated, Dover, Del., Cincinnati, Ohio, and New York, N. Y. Renewed Mar. 18, 1950, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. BAKING POWDER. Class 46.

268,798. TOREX. Registered Mar. 18, 1930. International Products Corporation, New York, N. Y. Renewed Mar. 18, 1950, to J. F. Heublein & Bro., Inc., Hartford, Conn., a corporation of Connecticut. BEEF BOUILLON. Class 46.

TRADE-MARK REGISTRATIONS CANCELED

264,212. AVIAN. Registered Nov. 19, 1929. A. V. Roe & Company Limited, Manchester, England. AEROPLANES, SEAPLANES, HYDROPLANES, ETC. Class 19. Canceled Nov. 15, 1949.

289,751. ICY STIK. Registered Dec. 1, 1931. The Popsicle Corporation of the United States, New York, N. Y. FROZEN CONFECTIONERY. Class 46. Canceled Dec. 8, 1949.

309,923. SIESTA. Registered Feb. 6, 1934. F. C. Huyck & Sons, Rensselaer and Albany, N. Y. BLANKETS. Class 42. Canceled Oct. 25, 1949.

341,575. SATIN CAPRICE. Registered Dec. 15, 1936. Superior Petticoat Company, New York, N. Y. SATIN PIECE GOODS MADE OF SILK. Class 42. Canceled Nov. 28, 1949.

348,710. THESAURUS. Registered Aug. 3, 1937. National Broadcasting Company, Inc., New York, N. Y. SOUND RECORDS AND ESPECIALLY SOUND RECORDS FOR USE IN RADIO BROADCASTING. Class 36. Canceled Nov. 3, 1949.

370,837. SUPER SERVICE. Registered Sept. 5, 1939. Price Battery Corporation, Hamburg, Pa. STORAGE BATTERIES. Class 21. Canceled Nov. 10, 1949.

411,533. DO-MOR. Registered Jan. 23, 1945. Samuel A. Halaby, doing business as Samuel Halaby Company, Rochester, N. Y. SOAP. Class 4. Canceled May 13, 1949.

429,513. NO-DROP. Registered Apr. 29, 1947. Thompson Horticultural Chemicals Corp., Los Angeles, Calif. MULTI-HORMONE PREPARATION FOR SPRAYING FRUIT TREES TO PREVENT PREMATURE FRUIT DROP. Class 6. Canceled Nov. 10, 1949.

431,786. "STANLEY" AND DESIGN. Registered Aug. 5, 1947. Stanley Home Products, Inc., Westfield, Mass. LIQUID DENTIFRICE. Class 6. Canceled Oct. 20, 1949.

431,797. LADY STANLEY. Registered Aug. 5, 1947. Stanley Home Products, Inc., Westfield, Mass. ALL PURPOSE SKIN CREAM. Class 6. Canceled Oct. 20, 1949.

433,539. STANLEY. Registered Oct. 14, 1947. Stanley Home Products, Inc., Westfield, Mass. PREPARATION WITH DISINFECTANT, DEODORANT, ETC. Class 6. Canceled Nov. 7, 1949.

437,548. ACADEMY AWARD. Registered Mar. 30, 1948. Dermetics, Inc., New York, N. Y. PERFUME, COLOGNE, ETC. Class 6. Canceled Nov. 15, 1949.

502,951. STINSON BOW AND ARROW DESIGN. Registered Oct. 12, 1948. Consolidated Vultee Aircraft Corporation, San Diego, Calif. AIRPLANES AND STRUCTURAL PARTS THEREOF. Class 19. Canceled Sept. 12, 1949.

502,955. SILVER SERVICE. Registered Oct. 12, 1948. Thermocor Products, Inc., Erlanger, Ky. PREPARATIONS FOR CLEANSING, POLISHING, ETC. Class 4. Canceled Nov. 18, 1949.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

248,772. "WILCO" AND DESIGN. Registered Oct. 30, 1928. H. F. Wilcox Oil & Gas Company, Tulsa, Okla. GASOLINE, CRUDE OIL, ETC. Class 15. Corrected as follows:



262,329. SANITOR. Registered Oct. 8, 1929. Eureka Vacuum Cleaner Company, Detroit, Mich. INSECTICIDE DISTRIBUTORS IN THE NATURE OF ATTACHMENTS FOR USE IN CONNECTION WITH VACUUM CLEANERS. Class 23. Corrected as follows: In the certificate, line 2, name of applicant, for "Eureka Williams Company," read *Eureka Williams Corporation.*

512,304. FIRM.TRED. Registered July 12, 1949. Claude M. Adams, Humboldt, Tenn. SHOES OF LEATHER. Class 39. Corrected as follows: In the certificate, lines 3 and 15, and in the heading to the printed statement and declaration, line 2, name of registrant, for "Claude N. Adams" read *Claude M. Adams.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 2

RECEPTACLES

Reg. No. 76,433. Registered Jan. 18, 1910. CONTINENTAL CAN CO., Syracuse, N. Y. Republished by Continental Can Company, Inc., New York, N. Y., a corporation of New York.



FOR METAL CANS.
Claims use since Mar. 24, 1905.

Reg. No. 114,944. Registered Jan. 16, 1917. CHASE BAG CO., St. Louis, Mo. Republished by Chase Bag Company, New York, N. Y., a corporation of Delaware.

CHASE

FOR BAGS.
Claims use since about 1866.

Reg. No. 271,456. Registered June 3, 1930. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

DIAMOND

FOR DISHES OF PAPER OR FIBRE.
Claims use since April 1925.

Reg. No. 284,001. Registered June 9, 1931. THE DIAMOND MATCH COMPANY, Chicago, Ill., assignor to The Diamond Match Company, Baltimore, Md. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR DISHES OF PAPER OR FIBRE.
Claims use since April 1925.

Reg. No. 311,841. Registered Apr. 10, 1934. STANDARD PULP PRODUCTS CO., INC., New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

PUL-PEX

FOR PLATES AND DISHES MADE FROM PAPER PULP OR FIBRE.
Claims use since October 1931.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 278,084. Registered Dec. 2, 1930. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR MEN'S LEATHER HAT BOXES AND WOMEN'S LEATHER HAND BAGS.
Claims use since 1898.

Reg. No. 278,598. Registered Dec. 23, 1930. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

KNOX

FOR MEN'S LEATHER HAT BOXES AND WOMEN'S LEATHER HAND BAGS.
Claims use since about 1898.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 236,417. Registered Dec. 13, 1927. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PYNTREE

FOR DISINFECTANT, GERMICIDE, AND DEODORANT.
Claims use since Feb. 20, 1925.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 74,544. Registered July 20, 1909. COAST MANUFACTURING & SUPPLY COMPANY, Berkeley, Calif., a corporation of Delaware. Republished by registrant, present address, Livermore, Calif.

LION·BRAND



FOR POWDER TRAIN FUSES.
Claims use since July 1, 1901.

Reg. No. 253,402. Registered Feb. 26, 1929. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

PROTECTO

FOR MATCHES.
Claims use since December 1911.

CLASS 10

FERTILIZERS

Reg. No. 265,063. Registered Dec. 17, 1929. BAUGH AND SONS COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant, present address Baltimore, Md.

BAUGH'S
HEART LEAVES
TOBACCO
GUANO

The words "Tobacco Guano" is disclaimed apart from the mark as shown.
FOR FERTILIZER.
Claims use since Mar. 4, 1929.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 196,675. Registered Mar. 24, 1925. C. B. HUNT & SON, Salem, Ohio. Republished by C. B. Hunt & Son, Inc., Salem, Ohio, a corporation of Ohio.

QUICK AS WINK

FOR HOSE COUPLERS.
Claims use since Oct. 15, 1924.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 259,645. Registered Aug. 6, 1929. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Republished by registrant.

DUX

FOR GLYPTAL RESIN UNDERCOATER AND PRIMER.
Claims use since Feb. 20, 1929.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 230,663. Registered Aug. 2, 1927. JOHN M. HOGAN, doing business as Sendol Company, Kansas City, Mo. Republished by Hogan Advertising Company, Kansas City, Mo., a corporation of Missouri.

Sendol

FOR MEDICINAL PREPARATIONS, IN PILL OR CAPSULE FORM FOR THE TREATMENT OF HEADACHES, COLDS, NEURALGIA, LA GRIPPE, AND RELIEF OF PAIN IN GENERAL.
Claims use since Oct. 1, 1926.

Reg. No. 238,246. Registered Jan. 31, 1928. ARTHUR WINARICK, New York, N. Y. Republished by registrant, present address Bronx, N. Y.

Galvé

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, LIQUID ROUGES, FACE BLEACHES, FACE PACKS, EYEBROW AND EYELASH GROWER, EYE DROPS, HAND LOTIONS, SKIN LOTIONS, FACE POWDERS, TALCUM POWDERS, SACHETS, HAIR SALVES, HAIR ELIXIRS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIP STICKS, INCENSE, TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, TOOTH PASTES, NAIL POWDERS, NAIL CREAMS, NAIL BLEACHES, WITCH HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, DEODORANTS, DISINFECTANTS, ASPIRIN, BAY RUM, PERFUMES, AND TOILET WATERS.
Claims use since July 20, 1927.

Reg. No. 417,504. Registered Oct. 30, 1945. AMERICAN STORES COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

VITA-POCKINKO

The word "Vita" is disclaimed apart from the mark as shown.
FOR VITAMIN CAPSULES.
Claims use since Apr. 19, 1945.

CLASS 19

VEHICLES

Reg. No. 263,128. Registered Oct. 29, 1929. IGOR SIKORSKY, College Point, N. Y., assignor to The Sikorsky Aviation Corporation, Wilmington, Del. Republished by United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware.



FOR AIRPLANES AND AIRPLANE PARTS—NAMELY, WINGS, BODIES, TAILS, CONTROL SURFACES, LANDING GEAR, INTERCONNECTING MEMBERS, PROPELLERS, AND PROPELLER PARTS.
Claims use since June 14, 1927.

Reg. No. 364,319. Registered Jan. 24, 1939. JULIUS A. MAHR, Minneapolis, Minn. Republished by Mahr-Bufton Co., Minneapolis, Minn., a corporation of Minnesota.

MOTORIDE

FOR BABY CARRIAGES.
Claims use since Sept. 1, 1938.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 233,303. Registered Sept. 27, 1927. GOLDENBERG'S, Washington, D. C. Republished by The Goldenberg Company, Washington, D. C., a corporation of Maryland.

REXOLEUM

FOR FELT-BASE FLOOR RUGS.
Claims use since Mar. 9, 1927.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 433,510. Registered Oct. 14, 1947. AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio, a corporation of Delaware. Republished by registrant.

Air-Way SANITIZOR

FOR ELECTRICAL SUCTION CLEANERS AND PARTS AND ACCESSORIES THEREOF—NAMELY, ATTACHMENT SUCTION TOOLS FOR CLEANING WALLS, UPHOLSTERY, AND RADIATORS, DUST COLLECTORS, FLOOR BRUSHES FOR ATTACHMENT TO ELECTRICAL SUCTION CLEANER NOZZLES, AND EXTENSION TUBING FOR ATTACHMENT OF ACCESSORY SUCTION DEVICES.
Claims use since Oct. 23, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 234,841. Registered Nov. 8, 1927. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

"Ivona"

FOR SEWING MACHINES.
Claims use since Jan. 1, 1916.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 270,579. Registered May 6, 1930. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR CLOTHESPINS.
Claims use since June 1921.

Reg. No. 270,580. Registered May 6, 1930. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

DIAMOND

FOR CLOTHESPINS.
Claims use since June 1921.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 241,715. Registered May 8, 1928. BULOVA WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

American Girl

FOR WRIST OR STRAP WATCHES.
Claims use since June 1, 1926.

Reg. No. 389,766. Registered Aug. 19, 1941. INVICTA-SEELAND, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MULTIMATIC

FOR WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH.
Claims use since Mar. 26, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 136,749. Registered Nov. 9, 1920. BARKER BROS. SILVERSMITHS LTD., Birmingham, England, a company organized under the laws of the United Kingdom. Republished by registrant.



FOR FORKS, SPOONS, SUGAR-TONGS, LADLES, TABLE-CUTLERY, CRUETS, CAKESTANDS, EGG-STANDS, AND FRUIT-DISHES OF SILVER AND OF SILVER PLATE AND ELECTROPLATE.
Claims use since Nov. 18, 1903.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 263,732. Registered Nov. 12, 1929. R. C. HELLER CO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

"for the Rest of your Life"

FOR MATTRESSES.
Claims use since Jan. 1, 1928.

CLASS 37

PAPER AND STATIONERY

Reg. No. 245,176. Registered Aug. 7, 1928. INDEPENDENT PAPER MILLS, INC., Plattsburg and New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

Ribbonfold

FOR PAPER NAPKINS.
Claims use since Feb. 1, 1928.

Reg. No. 247,157. Registered Sept. 18, 1928. THE WARREN MANUFACTURING COMPANY, Riegelsville, N. J., and New York, N. Y. Republished by Riegel Paper Corporation, New York, N. Y., a corporation of New Jersey.

CELOWAX

FOR WAXED WRAPPING PAPER AND WAXED PAPER FOR LINING CARTONS AND BOXES.
Claims use since May 7, 1928.

Reg. No. 291,668. Registered Feb. 23, 1932. OLD COLONY ENVELOPE COMPANY, Westfield, Mass., a corporation of Massachusetts. Republished by registrant.

Old Colony

FOR WRITING AND PRINTING PAPER, MAILING ENVELOPES, ANNOUNCEMENT CARDS, AND CUT CARDS.
Claims use since May 1, 1922.

Reg. No. 325,361. Registered June 18, 1935. THE STERILEK COMPANY, INC., Brooklyn, N. Y. Republished by Sitroux, Inc., New York, N. Y., a corporation of New York.

Chee-Kist

FOR FACIAL TISSUES.
Claims use since May 1, 1934.

Reg. No. 340,301. Registered Nov. 3, 1936. THE STERILEK COMPANY, INC., Brooklyn, N. Y. Republished by Sitroux, Inc., New York, N. Y., a corporation of New York.

LA BELLE

FOR FACIAL TISSUES.
Claims use since Oct. 1, 1935.

Reg. No. 341,725. Registered Dec. 22, 1936. VELDOWN COMPANY, INC., New York, N. Y. Republished by Katz Drug Company, Kansas City, Mo., a corporation of Delaware.



EUGENIA

FOR CLEANSING TISSUES.
Claims use since April 1934.

Reg. No. 385,169. Registered Feb. 18, 1941. THE STERILEK CO. INC., New York, N. Y. Republished by Sitroux, Inc., New York, N. Y., a corporation of New York.

EVE

FOR FACIAL TISSUES.
Claims use since May 26, 1938.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 282,931. Registered Sept. 20, 1927. THE DENNEY TAG COMPANY, West Chester, Pa., a corporation of Pennsylvania. Republished by registrant.

Advertag

FOR PRINTED ADVERTISING TAGS, PRINTED SHIPPING TAGS, PRINTED MARKING TAGS, AND PRINTED WORK TAGS.
Claims use since Mar. 1, 1927.

Reg. No. 234,934. Registered Nov. 8, 1927. HARNISCHFEGER CORPORATION, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

The P&H CROWD

FOR PUBLICATION IN THE FORM OF A HOUSE ORGAN OR MAGAZINE PRINTED AND DISTRIBUTED MONTHLY TO ITS TRADE AND OTHERS.
Claims use since on or about May 1, 1926.

CLASS 39

CLOTHING

Reg. No. 113,453. Registered Oct. 17, 1916. JAMES A. STRUTHERS, Minneapolis, Minn. Republished by Strutwear Incorporated, Minneapolis, Minn., a corporation of Minnesota.



FOR HOSIERY.
Claims use since May 1, 1916.

Reg. No. 262,423. Registered Oct. 8, 1929. JAMES NELSON LIMITED, Valley Mills, Nelson, England, a corporation of England. Republished by registrant, present address Valley Mills, Nelson, Lancashire, England.

NELVALE

FOR TEXTILE-FABRIC UNDERWEAR AND OUTER WEAR OF COTTON, SILK, ARTIFICIAL SILK, AND COMBINATIONS THEREOF FOR MEN, WOMEN, AND CHILDREN; SUITS FOR MEN, WOMEN AND CHILDREN; TROUSERS, VESTS, AND COATS FOR MEN; VESTS AND COATS FOR WOMEN AND CHILDREN; NECKTIES; DRESS, NEGLIGEE, AND WORK SHIRTS OF COTTON, SILK, ARTIFICIAL SILK, OR COMBINATIONS THEREOF; BLOUSES, SKIRTS, AND WAISTS FOR UNDER AND OUTER WEAR FOR WOMEN AND CHILDREN; JACKETS; CAPS FOR MEN, WOMEN AND CHILDREN; CORSETS, COLLARETS, SOCKS, STOCKINGS, NIGHTGOWNS, PAJAMAS, DRESSING GOWNS, OVERALLS, PINAFORES, APRONS, NIGHTSHIRTS, GOWNS AND DRESSES FOR WOMEN AND CHILDREN, BATH ROBES, FABRIC GLOVES, BATHING SUITS, SCARFS, COLLARS, AND NECKWEAR.
Claims use since on or about May 1, 1928.

Reg. No. 273,984. Registered Aug. 19, 1930. THE COSHOCTON GLOVE CO., Coshocton, Ohio. Republished by Indianapolis Glove Company, Indianapolis, Ind., a corporation of Indiana.

BEAR KAT

FOR GLOVES AND MITTENS OF FABRIC, LEATHER, KNITTED MATERIAL, AND COMBINATIONS THEREOF.
Claims use since as early as October 1927.

Reg. No. 383,142. Registered Nov. 26, 1940. MILAM MANUFACTURING COMPANY, Tupelo, Miss., a corporation of Mississippi. Republished by registrant.

MyLamb

FOR "BOBBY" SUITS, BOYS' WASH SUITS, CHILDREN'S APRONS, GIRLS' DRESSES, PLAYSUITS, AND BOYS' AND GIRLS' SUITS.
Claims use since May 1933.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Reg. No. 240,161. Registered Mar. 20, 1928. POLAN, KATZ & CO., Baltimore, Md. Republished by Polan, Katz & Company, Inc., Baltimore, Md., a corporation of Maryland.



FOR UMBRELLAS.
Claims use since Jan. 15, 1911.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 238,990. Registered Feb. 21, 1928. STIX, BAER & FULLER COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

CrepeAstra

The word "Crepe" is disclaimed apart from the mark as shown.
FOR SILK CREPE IN THE PIECE AND IN THE BOLT.
Claims use since Aug. 1, 1927.

Reg. No. 264,932. Registered Dec. 10, 1929. BERTRAM EHRENBERG, doing business as B. Ehrenberg Co., New York, N. Y. Republished by B. Ehrenberg Co., Inc., New York, N. Y., a corporation of New York.



The words "Cant Crush" are disclaimed apart from the mark as shown.
FOR FABRICS OF RAYON, COTTON, WOOL, WORSTED, AND MIXTURES OF THESE MATERIALS.
Claims use since July 26, 1929.

Reg. No. 334,933. Registered May 19, 1936. THE SITROUX COMPANY, INC., Brooklyn, N. Y. Republished by Sitroux, Inc., New York, N. Y., a corporation of New York.

SLEEKIES

FOR BLEACHED ABSORBENT CHEESECLOTH.
Claims use since Sept. 11, 1935.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 270,352. Registered May 6, 1930. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR TOOTHPICKS.
Claims use since June 1921.

Reg. No. 345,501. Registered Apr. 27, 1937. EUGENE, LTD., New York, N. Y., a corporation of New York. Republished by registrant.

aerogène

FOR PERMANENT WAVE CONTACTORS AND PERMANENT WAVE SUPPLIES—NAMELY, SPIRAL AND CROQUIGNOLE SACHETS.
Claims use since Nov. 24, 1936.

Reg. No. 383,658. Registered Dec. 17, 1940. EUGENE, LTD., New York, N. Y., a corporation of New York. Republished by registrant.

VUE-GÈNE

FOR ELECTRIC HAIR DRYERS.
Claims use since July 26, 1940.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 237,287. Registered Jan. 3, 1928. I. LEFKOWITZ & SONS, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

CHOC-O-KREME

The word "Kreme" is disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS FOR BEVERAGES AND SODA FOUNTAIN USE.
Claims use since June 10, 1927.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 204,061. Registered Oct. 6, 1925. KOLBE FISH COMPANY, Erie, Pa. Republished by Fishery Products, Inc., Cleveland, Ohio, a corporation of Ohio.

"Blue Water"

FOR FRESH, FROZEN, AND SMOKED FISH.
Claims use since about Sept. 23, 1924.

Reg. No. 222,653. Registered Jan. 4, 1927. THE CENTURY MILLING CO., Minneapolis, Minn. Republished by Eagle Roller Mill Co., New Ulm, Minn., a corporation of Minnesota.

New Age

FOR FLOUR MADE FROM WHEAT.
Claims use since Mar. 24, 1925.

Reg. No. 232,499. Registered Sept. 13, 1927. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Republished by Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware.

DULCE 16

The word "Dulce" is disclaimed apart from the mark as shown.
FOR CHEWING GUM.
Claims use since Feb. 9, 1927.

Reg. No. 238,607. Registered Feb. 14, 1928. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif., a corporation of California. Republished by registrant.

SILVER SEAL

FOR FRESH DECIDUOUS FRUITS, FRESH GRAPES, FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1924.

Reg. No. 240,670. Registered Apr. 3, 1928. THE SECURITY FLOUR MILLS COMPANY, Abilene, Kans. Republished by The Security Milling Co., Inc., Abilene, Kans., a corporation of Kansas.

Kansas Beauty

FOR WHEAT FLOUR.
Claims use since Jan. 1, 1912.

Reg. No. 247,382. Registered Sept. 25, 1928. ST. ALBANS GRAIN COMPANY, St. Albans, Vt. Republished by New England Grain Products Co., Yarmouth, Maine, a corporation of Maine.

WIRTHMORE HORSE FEED



The words "Horse Feed" are disclaimed apart from the mark as shown.
FOR HORSE FEED.
Claims use since November 1927.

Reg. No. 260,706. Registered Aug. 27, 1929. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Republished by Paul F. Beich Company, Bloomington, Ill., a corporation of Illinois.

Gee Whiz

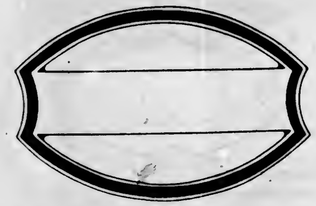
FOR CHEWING GUM.
Claims use since June 1909.

Ser. No. 266,067. Registered Jan. 14, 1930. THE RHODES RANCH EGG COMPANY, Denver, Colo., a corporation of Colorado. Republished by registrant.

Rhodes KEYSTONE

FOR EGGS.
Claims use since Apr. 1, 1910.

Reg. No. 266,068. Registered Jan. 14, 1930. THE RHODES RANCH EGG COMPANY, Denver, Colo., a corporation of Colorado. Republished by registrant.



FOR EGGS.
Claims use since Apr. 1, 1929.

Reg. No. 299,838. Registered Dec. 27, 1932. ALFRED C. HILL, doing business as Hill Baking Co., Vernon, Tex. Republished by The Butereg Co., Inc., Kansas City, Mo., a corporation of Texas.



The words "Bread" and "Pure Fresh Butter" are disclaimed apart from the mark as shown.
FOR BREAD.
Claims use since Feb. 2, 1932.

Reg. No. 259,694. Registered Aug. 30, 1938. MYRON ROOT AND COMPANY, INC., Medford, Oreg., a corporation of Oregon. Republished by registrant.

GOLDEN
LIMITED BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR FRESH PEARS.
Claims use since Sept. 1, 1937.

Reg. No. 375,077. Registered Feb. 6, 1940. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif., a corporation of California. Republished by registrant.

SELLO ROJO
ARROZ
DE
CALIFORNIA

The words "Arroz" and "de California" are disclaimed apart from the mark as shown. The drawing is lined for red.
FOR RICE.
Claims use since Nov. 28, 1932.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 337,489. Registered Aug. 11, 1936. TONKIN DISTRIBUTING CO., San Francisco, Calif. Republished by Schenley Industries, Inc., San Francisco, Calif., a corporation of Delaware.

Toddy-Jerry

FOR BLEND OF BRANDY AND RUM.
Claims use since Oct. 12, 1935.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 238,246. Registered Jan. 31, 1928. ARTHUR WINARICK, New York, N. Y. Republished by registrant, present address Bronx, N. Y.

Galvé

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, LIQUID ROUGES, FACE BLEACHES, FACE PACKS, EYEBROW AND EYELASH GROWER, EYE DROPS, HAND LOTIONS, SKIN LOTIONS, FACE POWDERS, TALCUM POWDERS, SACHETS, HAIR SALVES, HAIR ELIXIRS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIP STICKS, INCENSE, TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, TOOTH PASTES, NAIL POWDERS, NAIL CREAMS, NAIL BLEACHES, WITCH-HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, DEODORANTS, DISINFECTANTS, ASPIRIN, BAY RUM, PERFUMES, AND TOILET WATERS.
Claims use since July 20, 1927.

Reg. No. 263,019. Registered Oct. 29, 1929. JOUBERT CIE, INC., New York, N. Y. Republished by The Nestle Le-Mur Company, New York, N. Y., a corporation of Ohio.

BLUE WALTZ

FOR FACE AND TALCUM POWDERS, ROUGE, LIP STICK, FACE CREAMS, TOOTH PASTE, BRILLIANTINE, PERFUME, TOILET WATERS, BODY LOTIONS, AFTER-SHAVING LOTIONS, AND EYE PREPARATIONS.
Claims use since about June 1927.

Reg. No. 345,734. Registered May 4, 1937. EUGENE, LTD., New York, N. Y., a corporation of New York. Republished by registrant.

aerogène

FOR PERMANENT WAVING SOLUTIONS.
Claims use since Nov. 24, 1936.

Reg. No. 417,062. Registered Oct. 16, 1945. THE BOYD MANUFACTURING COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.

Wavine

FOR HAIR DRESSING PREPARATION.
Claims use since Oct. 23, 1917.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 281,003. Registered Aug. 9, 1927. LEO HEINEMAN, New York, N. Y. Republished by Carmen & Co., Inc., New York, N. Y., a corporation of New York.

OIL-CO

FOR LIQUID CLEANING PREPARATION, PARTICULARLY USEFUL FOR THE REMOVAL OF OIL, GREASE, TAR, AND MILDEW STAINS FROM FABRICS OR ANY ARTICLE OF APPAREL.
Claims use since on or about Feb. 1, 1925.

Reg. No. 288,246. Registered Jan. 31, 1928. ARTHUR WINARICK, New York, N. Y. Republished by registrant, present address Bronx, N. Y.

Galvé

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, LIQUID ROUGES, FACE BLEACHES, FACE PACKS, EYEBROW AND EYELASH GROWER, EYE DROPS, HAND LOTIONS, SKIN LOTIONS, FACE POWDERS, TALCUM POWDERS, SACHETS, HAIR SALVES, HAIR ELIXIRS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIP STICKS, INCENSE, TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, TOOTH PASTES, NAIL POWDERS, NAIL CREAMS, NAIL BLEACHES, WITCH-HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, DEODORANTS, DISINFECTANTS, ASPIRIN, BAY RUM, PERFUMES, AND TOILET WATERS.
Claims use since July 20, 1927.

REISSUES

JANUARY 3, 1950

23,186
SURFACE TREATING METHOD AND APPARATUS
William H. Mead, Oakland, Calif.
Original No. 2,455,514, dated December 7, 1948, Serial No. 608,386, August 2, 1945. Application for reissue October 3, 1949, Serial No. 119,291
12 Claims. (Cl. 51—8)



1. A method of treating a surface with loose, solid abrasive material and preventing gritty material from flying about, which comprises confining said material within an impediment to said abrasive material permeable to air around its periphery, while projecting said abrasive material with a blast of air *against the surface confined within said impediment* and while maintaining the air [against the surface confined within said impediment] pressure at the inner periphery of said impediment sufficiently below that outside said impediment to induce a flow of air sufficient to pick up the solid particles which have been stopped from passing to the outside by said impediment.

PLANT PATENTS

GRANTED JANUARY 3, 1950

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

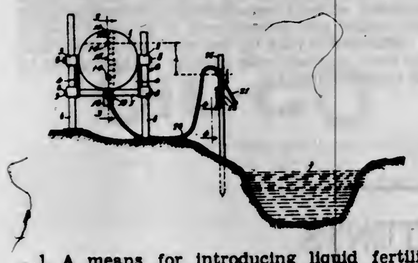
911
ROSE PLANT
Francis Meilland, Cap Azura, Cap d'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania
Application October 6, 1948, Serial No. 53,013
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by its vigorous growth; length of stem; abundance of petals; excellence of form of flowers at all stages of development; thickness and tough texture of the petals; long lastingness of the blooms; and vivid iridescent brilliance of red color, substantially as shown and described.

PATENTS

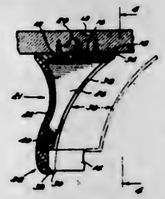
GRANTED JANUARY 3, 1950

2,492,944
MEANS AND METHOD OF INTRODUCING LIQUID FERTILIZER INTO IRRIGATION STREAMS
Walter F. Aycock, El Centro, Calif., assignor, by mesne assignments, to Tank Fertilizer, Inc., Brawley, Calif., a corporation of California
Application June 24, 1944, Serial No. 541,980
8 Claims. (Cl. 222—416)



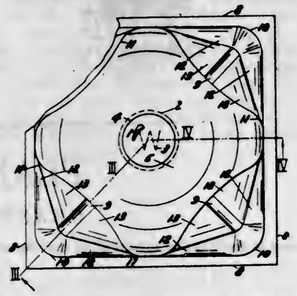
1. A means for introducing liquid fertilizer into an irrigation stream, comprising: a liquid fertilizer supply tank, means for supporting said tank beside an irrigation stream, a readily visible liquid level gage for said tank a liquid level indicator associated with said gage, a discharge conduit terminating in a nozzle, a post positioned beside the irrigation stream, and means for supporting said nozzle at different elevations on said post corresponding to selected stations on said gage, said elevations being a constant distance below the liquid level of said tank, as evidenced by the indicator on said gage whereby as the liquid level in said tank is lowered the nozzle may be lowered correspondingly to maintain a substantially constant head.

2,492,945
MOUNTING BRACKET
Floyd J. Balthaser, San Gabriel, Calif.
Application June 16, 1947, Serial No. 754,917
3 Claims. (Cl. 248—251)



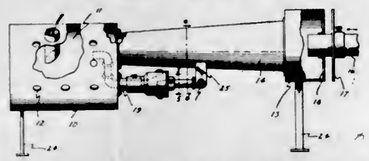
3. A mounting bracket for a towel bar, comprising a base plate, an arm extending forwardly therefrom, said arm comprising a web portion and parallel side flanges spaced apart to receive an end of a towel bar therebetween, said web and flanges cooperating to define a U-shaped section, an end flange substantially parallel to said base plate at the outer end of said arm and extending from said web between said side flanges, and a closure plate disposed in substantially flush relationship to the outer edges of said side flanges and being interposed between said base plate and said towel bar to retain said towel bar in position against the inner face of said end flange.

2,492,946
PATTERN DENSITY RAY APPROXIMATING REFLECTOR
Ira J. Barber, Fostoria, Ohio, assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio, a corporation of Ohio
Application October 11, 1945, Serial No. 621,769
3 Claims. (Cl. 240—103)



1. For a light energy source, a projecting reflector of closed figure straight edge regions and connecting corners defining a plane, there being a central opening thru the reflector for the light energy source to be there mounted and protrude into the reflector, said reflector having a concentrically concave major face from the opening with portions of said face approaching mid portions of the straight edge regions, diverging from said mid portions there being minor faces more steep from said plane than the major face, converging pairs of said minor faces being connected at the corners by tapering concave portions.

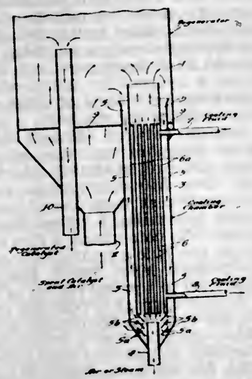
2,492,947
INCINERATOR FOR PRODUCTS OF COMBUSTION ENGINES, FURNACES, AND THE LIKE
Carl Bellstedt, Lynwood, Calif.
Application November 15, 1945, Serial No. 628,692
1 Claim. (Cl. 183—6)



A burner for utilizing exhaust gases from combustible fuel engines comprising a mixing chamber having air inlets open to the atmosphere, an intake pipe concentric with and extending into said mixing chamber, said intake pipe being adapted for connection to the exhaust of the engine for conducting the exhaust products therefrom to said mixing chamber, a baffle disk

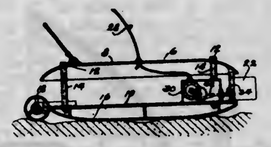
mounted on said intake pipe in confronting relationship with the air inlets of said mixing chamber for governing the air supply thereto, a perforated cylindrical shell having one end closed by a head wall and its opposite end open to the atmosphere, a substantially truncated conical funnel connecting said mixing chamber and said cylindrical shell at the head wall thereof for conducting the contents of said mixing chamber to said cylindrical shell, said funnel being tapered in the direction of said cylindrical shell, a burner nozzle mounted in said cylindrical shell adjacent to and facing in the direction of movement of the discharge from said funnel, means supplying fuel to said burner nozzle for forming a flame thereat whereby the propagation of said flame is in the direction of the discharge from the funnel and toward the open end of the cylindrical shell, and electrical ignition means in said cylindrical shell adjacent said burner nozzle for igniting the flow of fuel therefrom, whereby the flame propagated from said burner nozzle will be introduced into the flow of discharge from the mixing chamber for causing combustion of the exhaust products.

2,492,948
CONTROLLING CATALYST REGENERATION TEMPERATURE
Charles V. Berger, Minneapolis, Minn., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 5, 1945, Serial No. 620,422
3 Claims. (Cl. 252—417)



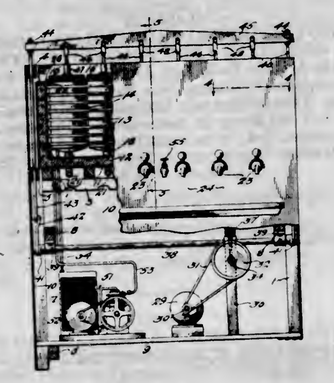
1. In a process for regenerating contaminated catalyst particles wherein said particles and a regenerating gas are passed upwardly into a regenerating zone, carbonaceous deposits on said catalyst are removed by combustion within said regenerating zone, and regenerated catalyst particles are withdrawn from said regenerating zone, the method of controlling the temperature of said combustion which comprises withdrawing an annular stream of catalyst particles downwardly from said zone and cooling said stream during the downward passage thereof by indirect heat exchange with a cooling fluid, commingling said stream with an upwardly flowing cooling gas and passing the resultant mixture upwardly in a plurality of streams through the central space defined by said downflowing annular stream, cooling said plurality of streams during the upward passage thereof by indirect heat exchange with said first named cooling fluid, and discharging the resultant cooled mixture into said regenerating zone.

2,492,949
APPARATUS FOR COLLAPSING WATER WAVES
Philip Brasher, Brooklyn, N. Y.
Application February 20, 1947, Serial No. 729,833
4 Claims. (Cl. 114—0.5)



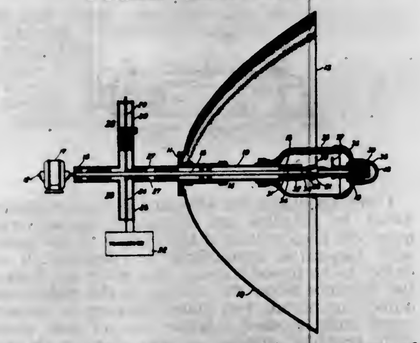
1. An apparatus for effecting collapse of water waves to produce an extended comparatively quiescent area or lane at the surface of the water, said apparatus comprising in combination an object to be towed through the water a substantial distance below the surface of the water, said object comprising two plates disposed in spaced-apart superimposed relation, one of said plates being provided with an air inlet whereby air may be supplied continuously to the object between said plates and discharge therefrom into the water all about the periphery of the object.

2,492,950
MULTIPLE UNIT COOLING, AGITATING, AND DISPENSING APPARATUS FOR BEVERAGES
Francisco T. Amador, Santurce, P. R.
Application June 7, 1946, Serial No. 675,250
1 Claim. (Cl. 62—141)



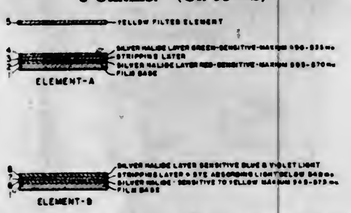
Apparatus of the class described comprising a frame, an upper tank in said frame for a cooling fluid, beverage containers in said tank removably mounted therein and spaced from the walls thereof, means to discharge beverages from said containers through the bottom of the tank, cooling coils in the tank, means in the bottom of the frame for circulating a refrigerant through said coils, a removable cover plate for said tank, and gaskets in said plate forming a seal around said containers maintaining the same upright and removable with said plate.

2,492,951
ANTENNA SYSTEM
George H. Baker and Elmo E. Crump, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 13, 1946, Serial No. 676,393
4 Claims. (Cl. 250—33.65)



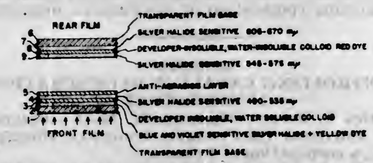
1. In a radio system comprising a source of electric energy, an antenna element, a line comprising an inner and outer conductor connecting said source to said antenna, said antenna being attached to said inner conductor, means attached to said antenna element for imparting rotary motion thereto, and means for reducing to a substantial minimum the impedance variation in said rotating antenna, said means comprising a double eccentric mounting at one end of said rotating inner conductor for moving the axis of rotation of said inner conductor and said antenna element with respect to adjacent surfaces.

2,492,952
PHOTOGRAPHIC FOUR-COLOR LIGHT-SENSITIVE STRIPPING ELEMENTS
Joseph Arthur Ball, Los Angeles, Calif., Andrew Bradshaw Jennings, New Brunswick, N. J., and Otis Willard Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 24, 1947, Serial No. 793,722
3 Claims. (Cl. 95—2)



1. A composite pair of film elements comprising a film base having superposed thereon in order a water-permeable colloid silver halide emulsion layer which has an extra band of sensitivity in the red region of the spectrum with a maximum at a position within the range from 605 to 670 millimicrons, a stripping separator layer composed of a developer-insoluble, water-soluble colloid and a water-permeable colloid silver halide emulsion layer having a band of extra sensitivity in the green region of the spectrum with a maximum at a position between 490 and 535 millimicrons, and a film base having superposed thereon in order a water-permeable colloid silver halide emulsion layer having a band of extra sensitivity in the yellow region of the spectrum with a maximum at a position within the range from 545 to 575 millimicrons, a stripping separator layer composed of developer-insoluble, water-soluble colloid containing a yellow-orange filtering material which absorbs light shorter than 540 millimicrons and passes longer wavelengths and an outer water-permeable colloid silver halide emulsion layer sensitive to blue light only.

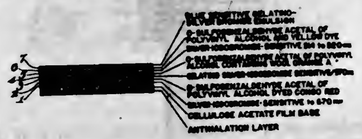
2,492,953
LIGHT-SENSITIVE BIPACK FILM FOR FOUR-COLOR PHOTOGRAPHY
Joseph Arthur Ball, Los Angeles, Calif., Andrew Bradshaw Jennings, New Brunswick, N. J., and Otis Willard Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 24, 1947, Serial No. 793,723
3 Claims. (Cl. 95—2)



1. A bipack film consisting of front and rear film elements, said front film comprising a film base having superposed on one side in order a hydrophilic colloid silver halide emulsion layer sensitive to blue light only, a stripping separator layer composed of a developer-insoluble, water-soluble colloid, a hydrophilic colloid silver halide emulsion layer having a band of extra sensitivity in the green region of the spectrum with a maximum at a position between 490 and 535 millimicrons, and an antiabrasion layer containing a yellow-orange filtering material which absorbs light shorter than 540 millimicrons and passes longer wave lengths, at least one of said two innermost layers containing a yellow filtering material; said rear film comprising a film base bearing in order on one side a hydrophilic colloid silver halide emulsion layer which has an extra band of sensitivity in the red region of the spectrum with a maximum at a position within the region from 605 to 670 millimicrons, a stripping separator layer composed of a developer insoluble, water-soluble colloid and containing a red light filter dye for the following hydrophilic colloid silver halide emulsion layer having a band of extra sensitivity in the yellow region of the spectrum with a maximum at a position within the region from 545 to 575 millimicrons.

2,492,954
PHOTOGRAPHIC FOUR-COLOR LIGHT-SENSITIVE STRIPPING ELEMENTS
Joseph Arthur Ball, Los Angeles, Calif., Andrew Bradshaw Jennings, New Brunswick, N. J., and Otis Willard Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 24, 1947, Serial No. 793,724
3 Claims. (Cl. 95—2)

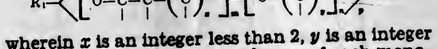
1. A multilayer photographic element comprising a transparent film base having superposed thereon in order a hydrophilic colloid silver halide emulsion layer which has an extra band of sensitivity in the red region of the spectrum with a maximum sensitivity at a position within the range from 605 to 670 millimicrons, a stripping separator layer composed of a developer-insoluble, water-soluble colloid containing a light-filter dye for the aforesaid first layer, a hydrophilic colloid silver halide emulsion layer which has an extra band of sensitivity in the yellow region of the spectrum with a maximum sensitivity at a position within the range 545 to 575 millimicrons, a stripping layer composed of a developer-insoluble, water-soluble colloid containing a filter dye



which absorbs light to which the next-mentioned layer is effectively sensitive, a hydrophilic colloid silver halide emulsion which has an extra band of sensitivity in the green region of the spectrum with a maximum sensitivity at a position between 490 and 535 millimicrons, a stripping layer composed of a developer-insoluble, water-soluble colloid containing a yellow filter material and finally a hydrophilic colloid silver halide emulsion layer which is sensitive to blue light only.

2,492,955
POLYOXYALKYLENE COMPOUNDS
Seaver Ames Ballard, Orinda, Rupert Clarke Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 31, 1946, Serial No. 694,418
6 Claims. (Cl. 260—615)

1. A new composition of matter comprising a mixture of copolymers having the general formula

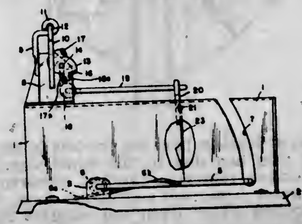


wherein x is an integer less than 2, y is an integer from 6 to 20, the dangling valences of each monomeric unit are satisfied by substituents of the group consisting of hydrogen atoms and saturated hydrocarbon radicals having 1 to 6 carbon atoms, R_1 and R_2 are independently selected from the group consisting of hydrogen atoms, alkyl radicals and carboxylic acid acyl radicals and m, n and p are integers selected to give the mixture of copolymers an average molecular weight between 200 and 1500.

2,492,956
PREPARATION OF UNSATURATED HYDROCARBONS FROM UNSATURATED KETONES
Seaver A. Ballard, Oakland, Harry de V. Finch, El Cerrito, and Elbert A. Peterson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 1, 1946, Serial No. 700,368
13 Claims. (Cl. 260—666)

13. In a process for the preparation of a diene by interaction of a non-tertiary alcohol and an alpha,beta-olefinic non-aromatic ketone containing at least six carbon atoms, passing a gaseous mixture comprising an alcohol having at least one hydrogen atom bonded to the carbon atom to which the hydroxyl group is linked and an alpha,beta-olefinic non-aromatic ketone containing at least six carbon atoms and having a linear group of at least four contiguous carbon atoms including the carbon atom of the carbonyl group into contact at a temperature of from about 200° C. to about 400° C. with a catalyst comprising an adsorptive alumina comprising predominantly a member of the group consisting of alumina alpha monohydrate, gamma alumina, and mixtures thereof, and an oxide of a second polyvalent metal selected from the group consisting of cobalt and chromium.

2,492,957
ANIMAL TRAP
Joseph N. Blair, Detroit, Mich.
Application September 17, 1947, Serial No. 774,632
8 Claims. (Cl. 43—81)

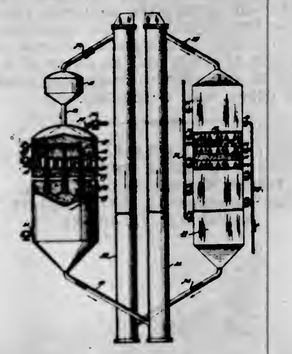


1. An animal trap comprising a base, a striker b[illegible], a striking bar substantially parallel to said base and a pair of spaced swinging arms interconnected by said bar, means on the base establishing a pivotal axis for said arms, substantially parallel to the striker bar, a spring urging the striker about said axis toward the base, a setting arm for the striker, means pivoting said arm to be swung across the striking bar, in a raised position of the striker for maintaining such position, a rockable latch element having a keeper engageable, in one pivotal position of said element, with the setting arm to maintain the effective position of such arm, the latch element further having a deflector, effective, through a predetermined rocking of the latch element, to release the setting arm from the keeper, a lever for tripping the latch element to its released position, means pivoting said lever to swing in proximity to the base to and from the set position of the striker, and a swinging link connecting the tripping lever operatively to the latch element.

2,492,958
ART OF EMPLOYING FLUENT CATALYST
Rophie E. Bland, New York, N. Y., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application January 13, 1948, Serial No. 1,927
12 Claims. (Cl. 196—52)

1. The process which comprises introducing active fluent solid catalyst for the conversion of an organic reactant to the top of a conversion zone, passing said catalyst through said zone as a continuous downwardly moving non-turbulent bed, introducing said organic reactant at substantially one end of said bed, passing said organic reactant through substantially the complete vertical extent of said bed under endothermic conversion conditions whereby the heat content of said bed is decreased by the endo-

thermic heat of conversion, adding active fluent solid conversion catalyst to said bed at at least one point intermediate of the vertical extent of said bed, said added catalyst being capable of evolving heat by adsorption of water vapor, contacting said added catalyst with steam whereby the heat of hydration evolved by the adsorption of water vapor by said added catalyst com-



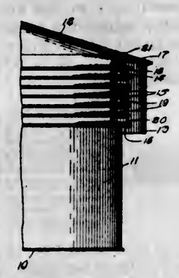
pensates at least in part for the loss in heat content of said bed due to the endothermic heat of conversion, removing catalyst comprising adsorbed water from said conversion zone, desorbing adsorbed water from the catalyst removed from the conversion zone by contacting said catalyst with a relatively dry gas under dehydration conditions, and returning catalyst so dehydrated to the conversion zone.

2,492,959
DYE PIGMENT
Warren B. Blumenthal, Niagara Falls, N. Y., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 18, 1947, Serial No. 735,548
4 Claims. (Cl. 260—429)

1. The method of producing a pigment which comprises reacting a basic dye in an aqueous solution within the pH range pH 3.5 to 6.5 with a hydrous zirconia hydrogel, the usual positive charge of which has been changed to a negative charge by selective combination of an anion which induces cataphoretic movement of the resulting negative micelle to the positive electrode of a cataphoretic cell.

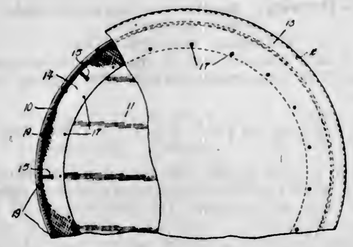
2,492,960
LIFTER ROOF STORAGE TANK
Harry C. Boardman, Fred L. Goldsby, and Clifford M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application December 20, 1945, Serial No. 636,224
4 Claims. (Cl. 48—178)

1. A lifter roof storage tank comprising a substantially cylindrical bottom portion having an open top, a roof thereover having a periphery extending beyond the edge of the open top, a flexible sealing member attached to the top edge of the cylindrical portion and to the roof a plurality of continuous, substantially circular horizontal reinforcements attached to the sealing member to divide it into horizontal sections with alternate reinforcements having a larger diameter than the intermediate reinforcements, a downwardly extending weather skirt at the edge of the roof with said skirt extending below the top edge of the



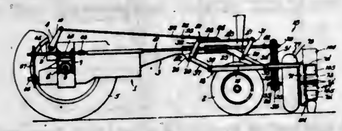
cylindrical portion when the roof is in its highest position, and a platform adjacent the top edge of the cylindrical portion upon which the sealing member and reinforcements rest when the roof is in its lowest position.

2,492,961
GASHOLDER
Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application January 5, 1946, Serial No. 639,439
4 Claims. (Cl. 48—176)



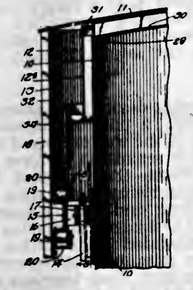
1. A gas holder or the like comprising a substantially cylindrical portion having an open top, a flexible closure for said top having its edge portion resting on the top edge of the cylinder when the holder is substantially empty of gas, a flexible sealing member attached to the closure and to the cylinder for sealing the area between the open top and the closure, and a plurality of flexible strengthening members extending from the top of the cylindrical portion to the closure and positioned about the gasholder immediately exterior of the sealing member, said strengthening members having an effective length substantially equal to the effective width of the flexible sealing member and being adapted to back up said sealing member when the gasholder is under maximum pressure, said closure being movable in its entirety away from the cylindrical portion and being outwardly concave when the holder is under no gas pressure and being outwardly convex when the holder is under maximum gas pressure.

2,492,962
BEET HARVESTER
Thomas W. Bohmker, Geneseo, Claude W. Wahs, Rock Island, and James H. Clark, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 31, 1947, Serial No. 738,356
9 Claims. (Cl. 56—121.44)



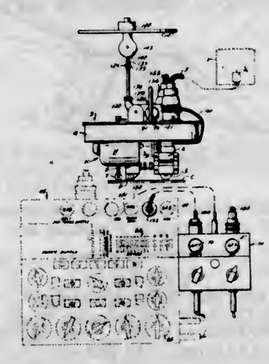
9. In a beet harvester adapted to be connected to a tractor having a power actuated member adjacent the rear thereof, frame means adapted to be swingably connected with the tractor, a beet crown abrading member rotatably mounted in said frame means and including a resilient flexible section of pneumatic tire-like construction, means for rotating said beet crown dressing member, and a connection between said frame means and said tractor power actuated member for pressing said frame means and said beet crown abrading member generally downwardly by the power of the tractor.

2,492,963
SEALING MEANS FOR LIQUID STORAGE TANKS
Frederick Bernard Booz, Montreal, Quebec, Canada, assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application October 11, 1946, Serial No. 702,784
6 Claims. (Cl. 48—176)



1. A liquid storage tank comprising a shell, a lifter roof over said shell adapted to rise and fall with increasing and decreasing gas pressure within the tank, sloped bar members attached to the shell near the top thereof and all having substantially the same slope with respect to the horizontal, a ring surrounding the shell, roller members attached to said ring and contacting said bar members on either side thereof, depending members extending down from said roof adjacent said ring, roller members attached to said depending members and contacting the ring on either side thereof, and a plurality of substantially rectangular thin metal sheets secured to the roof along one of their edges and to the shell along another of their edges, said sheets being adapted to flex with upward and downward movement of said roof.

2,492,964
PHOTOELECTRIC MINIATURE RADIO RANGE
Daniel R. Butterly, New York, N. Y.
Application April 23, 1945, Serial No. 589,833
9 Claims. (Cl. 35—10.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

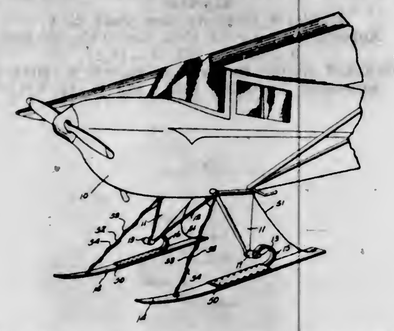


1. A photoelectric device for simulating a radio range for use in conjunction with aviation ground training equipment comprising a chart having a radio range signal field depicted thereon with the signal zones thereof varying in light absorbing properties laterally from a median value on the On Course signal legs but having light absorbing properties along radial lines through said zones substantially constant, a course indicator adapted to be propelled over the surface of the chart at a velocity proportional to the assumed velocity of an aircraft and remotely directionally controlled by the student to simulate the flight course of the assumed aircraft, a signal generator adapted to generate radio range signals of varying character, a control means for said signal generator including, a photoelectric scanning device mounted on the course indicator and including a means for illuminating a small area of the chart, a light pickup to receive light reflected from the illuminated area of the chart, a photoelectric cell operatively associated with said light pickup, a control circuit operatively associated with said photoelectric cell and connected to said signal generator means to control the character of signal generated by said signal generator and separate means responsive to radial movement of the course indicator with respect to a radio station point on the chart to control the volume of signals emitted by said signal generator in accordance with the assumed distance from the radio station.

2,492,965
LANDING SKI
Jesse R. Carr, Anchorage, Territory of Alaska
Application April 2, 1948, Serial No. 18,671
9 Claims. (Cl. 244—108)

1. Means for mounting landing skis on the axle for an aircraft landing wheel after removal of said wheel, comprising a substantially C-shaped spring having upper and lower ends, a journal pivotally receiving said axle, a bracket fixed to

said journal and depending therefrom, means fixedly connecting said upper end of said spring



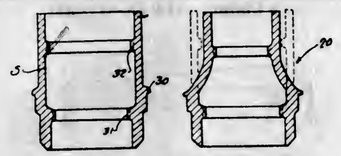
to said bracket, and means rigidly connecting said lower end of said spring to a landing ski.

2,492,966
ROTARY TOOTHBRUSH
John L. Ckola, Minneapolis, Minn.
Application January 4, 1947, Serial No. 720,246
12 Claims. (Cl. 253—3)



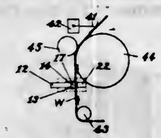
1. A fluid motor including a casing, a stator coaxially mounted in said casing for limited rotary movements in respect thereto, a rotor coaxially journalled in said stator, a drive shaft secured to said rotor and projecting axially from one end of said casing, fluid inlet and outlet passages on the opposite end of said casing, valve elements at opposite ends of said stator, said stator and said valve elements defining a chamber in which the rotor revolves, a passage in one of said valve elements communicating with one end of said chamber and with the fluid inlet passage in the casing upon rotary movement of the stator to its limit in one direction and communicating with the same end of the chamber and the fluid outlet passage in the casing upon rotary movement of the stator to its limit in the opposite direction, and a second passage in said valve element communicating with the opposite end of said chamber and the fluid outlet passage in said casing upon rotary movement of the stator to its limit in one direction and communicating with said opposite end of the chamber and the fluid inlet passage in the casing upon rotary movement of the stator to its limit in the opposite direction.

2,492,967
METHOD OF MAKING WHEEL HUBS
Carl L. Clark, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application May 4, 1945, Serial No. 592,021
2 Claims. (Cl. 29—159.3)



1. A method of making a wheel hub from rolled section which comprises rolling a section of varying thickness with spaced integral longitudinal beads on one surface to form bearing seats at both ends, rolling a length of said section into cylindrical form, the diameter of the bearing seat at one end being smaller than the diameter at the other end whereby the bearing seat of the small end is presented from broaching, broaching the small end to desired form, then reducing the diameter of the large end so that its diameter is less than that of the previously small end whereby the bearing seat of the reduced end is presented for broaching, and broaching the final small end to desired form.

2,492,968
WEB SEVERING AND CLAMPING MEANS
Otha Cooksey, Louisville, Ky., assignor to The Collmar Corporation, Chicago, Ill., a corporation of Florida
Application June 3, 1946, Serial No. 674,154
15 Claims. (Cl. 164—39)

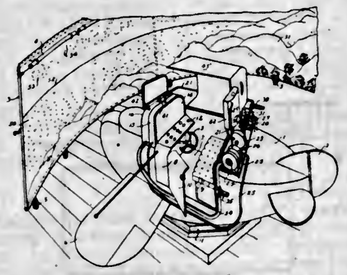


1. A web severing device for a press or like machine comprising: a pair of members mounted across the path of the web arranged in a position wherein they are separated to form a web passage through which the threaded web passes, said members comprising cooperating cutting and clamping elements; and quick acting means responsive to web breakage for moving said members from the separated to the cutting and clamping position and retaining said members in such position wherein they come together to sever the threaded web and release the receding severed edge of the cut web while clamping the other severed edge thereof.

2,492,969
NIGHT AND ALL-WEATHER GROUND TRAINER
Carl J. Crane, Sacramento, Calif.
Application July 3, 1946, Serial No. 681,277
3 Claims. (Cl. 35—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

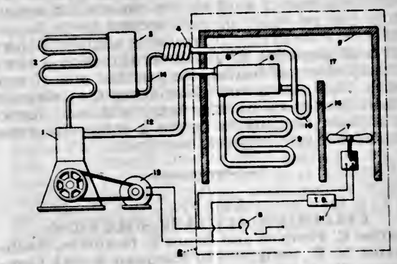
1. An aviation ground trainer comprising a trainer unit having a student's cockpit, means mounting said trainer unit for rotation about a vertical axis and for tilting movements to simulate the movements of an aircraft in actual flight,

an enclosure of cylindrical form having curved side walls and a circular top wall with said trainer unit situated within said enclosure and spaced from said walls, means on said side walls depicting a continuous panorama to simulate scenery encountered in actual flight of an aircraft, means distributed around the interior of said enclosure to illuminate said panorama, a weather simulating shield mounted on said trainer unit near the forward end thereof and above said



cockpit, said shield comprising spaced parallel sheets of transparent material having their edges seated in a surrounding frame, the spaces between said parallel sheets providing weather simulating compartments in the forward line of sight of the student located in said cockpit, and means for simulating rain in one of said compartments including a spray head adapted to spray thin streams of water downwardly within said one compartment.

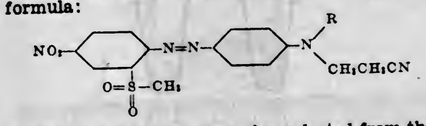
2,492,970
DEFROSTING SYSTEM
Herman H. Curry, Morristown, N. J.
Application October 6, 1943, Serial No. 505,141
6 Claims. (Cl. 62—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A defrosting refrigerating system including a motor, a compressor driven thereby, a condenser, a storage tank connected to said condenser, a cooling unit and a capillary tube connecting said tank and said unit, said unit comprising, an expansion coil and a storage chamber positioned above said coil, means connecting each end of said coil to said chamber, said unit receiving hot refrigerant during cessation of operation of said compressor, said unit constituting a reservoir for supplying the system with refrigerant upon resumption of operation of said compressor, and a conduit conducting vapor from said chamber to said compressor.

2,492,971
P-NITRO-O-METHYL SULFONEBENZENE AZO-N-β-CYANOETHYL-N-HYDROXYALKYLANILINE DYE COMPOUNDS
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 26, 1946, Serial No. 686,438
3 Claims. (Cl. 260—205)

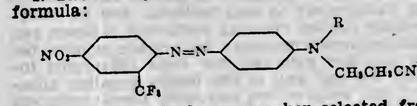
1. The azo dye compounds having the general formula:



wherein R stands for a member selected from the group consisting of the β-hydroxyethyl group and the γ-hydroxypropyl group.

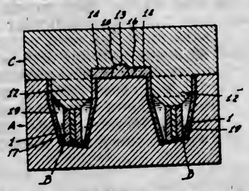
2,492,972
P-NITRO-O-TRIFLUOROMETHYL BENZENE-AZO-N-β-CYANOETHYL-N-HYDROXYALKYLANILINE DYE COMPOUNDS
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 26, 1946, Serial No. 686,439
3 Claims. (Cl. 260—205)

1. The azo dye compounds having the general formula:



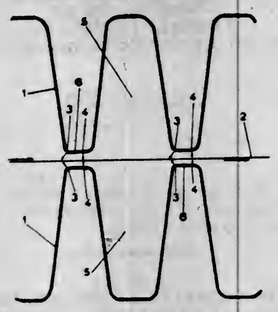
wherein R stands for a member selected from the group consisting of the β-hydroxyethyl group and the γ-hydroxypropyl group.

2,492,973
PROCESS FOR BONDING THERMOPLASTIC MATERIALS
Floyd J. Dofsen, Millbrae, and Elmer L. Danielson, Oakland, Calif.
Application July 15, 1947, Serial No. 761,128
3 Claims. (Cl. 18—59)



1. In the herein described process of molding at least two thermoplastic materials together to form a key cap, the steps of precasting a thermoplastic face member having a character perforation therethrough, providing a hollow key mold set with the base thereof extending downwardly, applying a solvent to the under surface of the face member to soften it, dropping said face member in an inverted position into the bottom of the mold, and injecting under pressure a second thermoplastic material into the face member perforation and body cavity of the mold to interfuse with the softened face member and effect a permanent bond therewith.

2,492,974
NOZZLE MEMBER USED FOR THE DRYING OF TEXTILE AND OTHER MATERIALS
Julien Dungler, Basel, Switzerland
Application April 30, 1947, Serial No. 752,243
In France April 30, 1946
1 Claim. (Cl. 34—156)

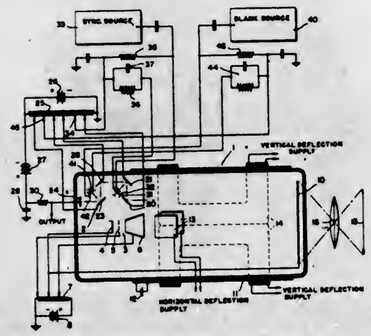


In a plant for treating lengths of cloth, paper and like sheet material by means of a gaseous fluid blown against the material; a plurality of oppositely disposed nozzle members each projecting at right angles to the direction of travel of the material to be treated and extending thereacross, each nozzle member terminating in an end wall provided with only two orifices each extending transversely to said material, and an intermediate suction channel positioned between two adjacent nozzle members, each nozzle member being provided with two side walls converging toward the end wall of the nozzle member, adjacent side walls of two successive nozzle members defining a respective suction channel, said adjacent side walls being spaced from each other at one end positioned adjacent the path of travel of said material and being joined together at an opposite end positioned in staggered relation to the end walls of said two successive nozzle members, said adjacent side walls diverging toward said one end and being in communication with said orifices, whereby said fluid guided through said orifices of said nozzle members against said material is collected and exhausted by said channels, respectively, one of said orifices being located in the end wall of each nozzle member, so as to blast said fluid perpendicular to the path of travel of said material, said other orifice being disposed adjacent said one orifice but inclined in a direction opposite to the direction of travel of said material, both said orifices or each nozzle member being arranged asymetrically with respect to the perpendicular center line of the respective end wall of the nozzle member.

2,492,975
FLOOR TREATING COMPOSITION
Irving C. Elliott, Kelseyville, Calif.
No Drawing. Application December 9, 1944, Serial No. 567,521
1 Claim. (Cl. 106—36)

A new article of manufacture for use to increase the frictional coefficient of floor wax coating, comprising about seventy-five parts by volume of mineral spirits, about twenty parts by volume of raw linseed oil, two parts by volume of petroleum jelly, two parts by volume of light petroleum lubricating oil, and one part by volume of cotton-seed oil.

2,492,976
SIGNAL MIXING ELECTRON MULTIPLIER
Joseph C. Ferguson, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application November 6, 1946, Serial No. 708,205
8 Claims. (Cl. 178—7.2)



5. In a television transmitting system, an electron multiplier comprising a plurality of secondary electron emissive stages and a collector electrode, means for developing a first primary electron beam modulated at any instant in accordance with the brightness value of a selected elemental area of a scene to be transmitted in such a manner that an increase in light of said area corresponds to a decrease in intensity of said first beam, means for directing said first beam onto successive ones of said stages for multiplying it, a source of synchronizing signals, a source of blanking signals, a second source of electrons arranged for directing a second primary electron beam onto one of said stages, means for modulating the intensity of said second beam in accordance with said synchronizing signals, a third source of electrons arranged for directing a third primary electron beam onto another one of said stages, and means for modulating the intensity of said third beam in accordance with said blanking signals, thereby to derive a composite video signal from said collector electrode.

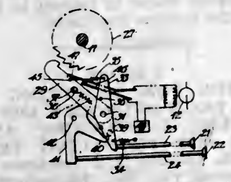
2,492,977
CELLULOSE ACETATE SOLUTION
Charles R. Fordyce and Bruce E. Gramkee, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 5, 1946, Serial No. 707,807
3 Claims. (Cl. 106—190)

1. As a new composition of matter, a cellulose acetate film-forming solution capable of being cast in the form of a sheet at two distinct ranges of film-forming speed for a given cured film thickness, said solution being composed of cellulose acetate having an acetyl content within the range of 42.5% to 44.0% dissolved in a solvent mixture composed of 65% to 90% by weight of methylene chloride, 15% to 5% of an unsubstituted aliphatic monohydric alcohol of 1 to 2 carbon atoms and 20% to 5% propylene chloride.

2,492,978
CELLULOSE ACETATE SOLUTION
Charles R. Fordyce and Bruce E. Gramkee, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 5, 1946, Serial No. 707,808
3 Claims. (Cl. 106—190)

1. As a new composition of matter, a cellulose acetate film-forming solution capable of being cast in the form of a sheet or film suitable for use as a commercial motion picture film base at two distinct ranges of film-forming speed for a given cured film thickness, said solution being composed of cellulose acetate having an acetyl content within the range of 42.5% to 44.0% dissolved in a solvent mixture composed of 55% to 85% by weight of methylene chloride, 15% to 5% of an unsubstituted aliphatic monohydric alcohol of 1 to 2 carbon atoms and 20% to 5% ethylene chloride.

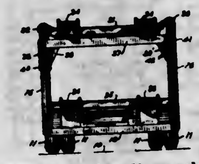
2,492,979
CONTROL FOR INTERMITTENT DRIVES
William A. Freer, Poughkeepsie, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application July 3, 1946, Serial No. 681,243
8 Claims. (Cl. 192—2)



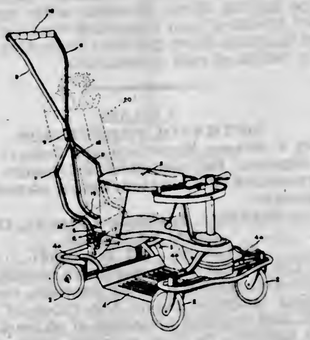
1. In mechanism for controlling the operation of a rotatable member intermittently driven from rotative means, a friction clutch operatively connecting said member and means, a ratchet mounted in fixed relation to said member, a pawl pivoted to stationary means adapted to engage said ratchet to stop rotation of said member, a lever pivoted to stationary means about the pivotal axis of said pawl, a stop on said lever, resilient means connecting said pawl and lever and urging said two members toward an angular relationship determined by engagement of said pawl with said stop, a push rod longitudinally operable to engage said lever and jointly displace said pawl and lever about the common pivotal axis thereof to engage the pawl with said ratchet, and a stationary stop for said pawl defining suitable engagement thereof with said ratchet, said lever after engagement of said pawl with said stationary stop being further displaceable to stress said resilient means and thereby hold said pawl firmly against said stationary stop.

2,492,980
TRAILER FOR TRANSPORTING AUTOMOBILES
Edward V. Garnett, Denver, Colo.
Application March 10, 1947, Serial No. 733,535
5 Claims. (Cl. 296—1)

3. A trailer for use in transporting two automobiles in superposed relation, comprising, an elongated wheel supported horizontal frame, a pair of spaced parallel tracks supported on the frame in position to receive the wheels of an automobile, a vertical frame on each side of the horizontal frame, each vertical frame comprising a top bar connected with the horizontal frame by end and intermediate posts, a deck for supporting a second automobile comprising at least two beams pivotally connected at one end with the top bar of one side frame, the other ends having means for overlapping the top bar of the other side frame and for effecting an interconnection therewith, two wheel supporting tracks secured to the pivoted beams, in position to support a second automobile, a hydraulic mechanism for turning the upper deck about its pivot, and means for bracing the side frames against transversely acting forces, comprising a bar hinged to the rear end post of one side frame adjacent the top thereof, for horizontal pivotal movement into and means for securing the free extremity of said bar to the corresponding end post of the other side frame adjacent the top of the latter.

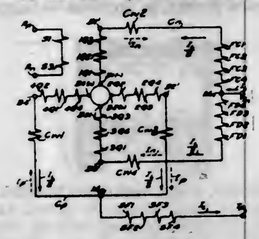


2,492,981
HANDLE FOR VEHICLES
Donald W. Gill, Cincinnati, Ohio, assignor to Frank F. Taylor Co., Norwood, Ohio, a corporation of Ohio
Application March 14, 1945, Serial No. 582,769
2 Claims. (Cl. 280—47)



1. A detachable push handle assembly for use in combination with a children's vehicle of the baby walker, stroller type, and which vehicle has a seat board and side walls, comprising a push handle, side frame members secured thereto and extending down, one on each side, from said push handle in a diagonal direction, then curving horizontally at an angle to the diagonal direction and then again extending downwardly in a diagonal direction, said last noted diagonally downwardly extending portions provided with means for attachment to the side walls of the vehicle, said push handle assembly having further an intermediate member extending down medially between said side members of such length as to have its end close to the back edge of the seat board of the vehicle, and so contoured as to provide with the seat board a continuous horizontal supporting surface for a bag or package, the supporting surface of said intermediate member adjacent its end lying slightly below the horizontal plane in which said side members are curved.

2,492,982
DIRECT-CURRENT MACHINE
Gurney L. Godwin, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1946, Serial No. 696,575
11 Claims. (Cl. 171—228)



1. A rotary electric machine, comprising a field structure having a plurality of field poles, an armature having a commutator with an equal plurality of brushes, and an equal plurality of groups of commutation windings, each of said groups having a lesser plurality of winding coils equal to said first-mentioned plurality minus one, said coils of each group being connected to one of said respective brushes and disposed to act on different commutation points relative to said commutator.

2. A rotary electric machine, comprising a field structure with four field poles, an armature having a commutator with four brushes, and four groups of commutation windings, each of said groups having three winding units series-connected to one of said respective brushes and disposed to act on three different respective commutation points of said commutator.

2,492,983
METHANOL PRODUCTION
Aristid V. Grosse, Haverford, and John C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1946, Serial No. 673,628
18 Claims. (Cl. 260—456)

16. The process which comprises reacting sulfur trioxide and methane under reaction conditions including temperatures in the range of 100° to 450° C. and reaction pressures of at least atmospheric pressure to form reaction products comprising a methyl ester of sulfuric acid and at least one compound selected from the group consisting of sulfonic acids of methane and methyl esters thereof, hydrolyzing said methyl ester of sulfuric acid so as to obtain methanol, processing said reaction products so as to obtain methane sulfonic acid therefrom, and thermally decomposing said methane sulfonic acid to form sulfur dioxide and methanol.

2,492,984
ORGANIC REACTIONS
Aristid V. Grosse, Haverford, and John C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1946, Serial No. 673,629
7 Claims. (Cl. 260—676)

2. The process which comprises subjecting a mixture consisting essentially of a metallic polyhalide at most uncompletely hydrolyzed under the conversion conditions and at least one compound selected from the group consisting of methanol and dimethyl ether to conversion conditions including a temperature in the range of 250° to 650° C. and thereby forming substantial amounts of recoverable hydrocarbons having at least four carbon atoms.

2,492,985
OXIDATION OF HYDROCARBONS IN THE PRESENCE OF LIQUID CATALYTIC FILMS
Aristid V. Grosse, Haverford, and John C. Snyder, Darling, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 19, 1947, Serial No. 792,848
11 Claims. (Cl. 260—451)

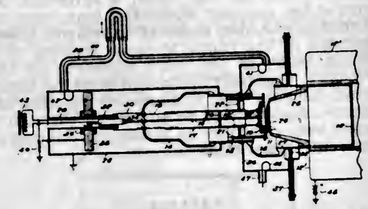
1. In the oxidation of a volatile low molecular weight aliphatic hydrocarbon to form oxygenated organic compounds, the improvement which comprises reacting said hydrocarbon with molecular oxygen under conditions adapted to maintain said hydrocarbon substantially completely in the vapor phase at superatmospheric pressures of at least 5 atmospheres and in the presence of a catalytic liquid in the form of a thin film, the volume of said liquid being minor in respect to the volume occupied by the gaseous reactants.

2,492,986
COMPOSITION FOR PRODUCING CARBON DIOXIDE FROM HYDROGEN AND CARBON CONTAINING COMPOUNDS, AND THE PROCESS FOR PRODUCING THE SAME
Clifford Hach, Clifton, N. J., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
No Drawing. Application January 4, 1946, Serial No. 639,145
3 Claims. (Cl. 252—186)

1. A product adapted for use in a process for directly producing carbon dioxide from hydrogen and carbon containing compounds, said product consisting of about 45 to 50 parts by weight of cupric oxide, about 45 to 50 parts by weight of a material selected from the group consisting of aluminum oxide, magnesium oxide, silicon oxide and zirconium oxide, and about 2 to 10 parts by weight of a material selected from the group consisting of ferric oxide, cobalto cobaltic oxide, manganic oxide and nickel oxide.

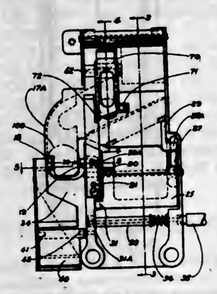
2,492,987
ELECTRON DISCHARGE DEVICE EMPLOYING RESONATORS
Andrew V. Haeff, Washington, D. C., assignor to Radio Corporation of America, a corporation of Delaware
Original application July 25, 1942, Serial No. 452,302. Divided and this application February 21, 1946, Serial No. 649,253
4 Claims. (Cl. 315—39)

1. An electron discharge device having an envelope containing a cathode for supplying electrons, a control grid electrode and another electrode in the order named, a conductor supporting said cathode and extending through said envelope, said control grid electrode having a conducting and supporting means extending through said envelope, a cavity resonator surrounding said envelope and coupled between said control grid electrode and said other electrode, and including a conducting member coaxial with said control grid electrode and coupled to said conducting and supporting means adjacent the outside wall of said envelope, said conducting



and supporting means forming a continuation of the wall of said cavity resonator, and a cathode-grid resonator coupled between said cathode and grid.

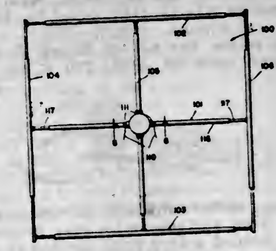
2,492,988
CONTROL MECHANISM
Alfred Hakanson, Alhambra, Calif.
Application September 10, 1945, Serial No. 615,373
9 Claims. (Cl. 194—61)



1. In a coin-selecting mechanism, the combination which comprises a swinging member containing a downwardly directed coin chute terminating in an open lower end, and hinged to swing the open end of the chute at right angles to the face of a coin resting in the lower end, means for so swinging the chute member, a coin-supporting means for holding the coin in such position but movable to release the coin as the member is swung, and a stop operatively connected to the coin-supporting means which blocks movement of the means for swinging the swinging member except when the coin is resting on the coin-supporting means.

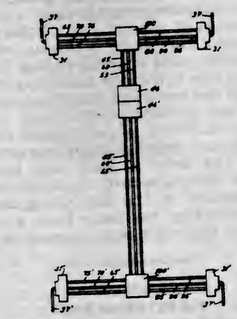
2,492,989
DIRECTIVE ULTRA HIGH FREQUENCY ANTENNA
William S. Halstead, Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application February 9, 1946, Serial No. 646,630
9 Claims. (Cl. 250—33.65)

1. An antenna array for ultra-high frequency electromagnetic waves comprising a plurality of extensible dipoles arranged substantially parallel to each other, means for simultaneously extending and retracting said dipoles, thereby to vary the effective electrical length of said dipoles, extensible connecting members for spacing said dipoles, and means for simultaneously extending and retracting said connecting members,



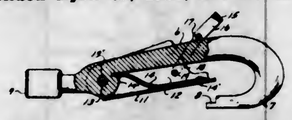
thereby to vary the relative spacing of said dipoles.

2,492,990
STABILIZING SYSTEM
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 6, 1943, Serial No. 509,314
23 Claims. (Cl. 267—11)



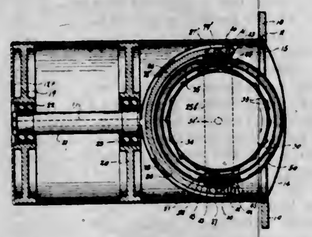
1. A stabilizing apparatus for conveyances having a sprung mass carried by another mass, comprising relatively movable members disposed for connection to said respective masses, and defining together a pair of chambers of variable volume which function in response to the differential of liquid pressures supplied thereto to produce relative movement of said members in opposite directions; impeller means having an inlet and two outlets for issuing two respective currents of liquid under pressure; two conduits connecting said outlets with said respective chambers to supply liquid thereto; a by-pass connection between said two conduits having an opening in communication with said inlet; two valves arranged in said by-pass connection between said opening and said conduits respectively and being connected with each other for opposing action so as to reduce the pressure in either chamber when increasing the pressure in the other chamber; hydraulic means disposed for actuating said two valves and being in communication with said impeller means so as to be supplied with liquid under pressure, pilot valve means forming part of said hydraulic means for controlling said pressure and inertia means for controlling said pilot valve means in response to unstabilizing motion of the sprung mass so as to cause said members to perform relative motion in the direction required for compensating such motion.

2,492,991
SNAP HOOK WITH OPENING MEANS
Warren T. Hanna, Natick, Mass.
Application May 15, 1945, Serial No. 593,920
3 Claims. (Cl. 24—233)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



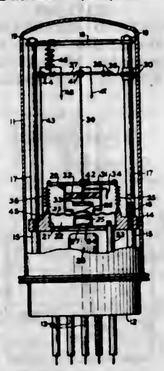
1. A snap hook comprising an elongated body having a front surface and a rear inclined surface, and formed with a hook portion at one end having an entrance in the front surface, a hook closing element pivoted on the body and movable toward the front surface to close said hook portion, resilient actuating means between the body and the hook closing element, yieldably tensioning the hook closing element toward the front surface in its hook closing position, manually operable hook closing element actuating means including camming lever means pivoted to the hook closing element adjacent the rear surface of the body, said camming lever means having an abutment swingable therewith toward the hook portion into camming engagement with the rear inclined surface of the body to displace the hook closing element from its hook closing relation with the hook portion, and a manipulating handle connected to the free end of the camming lever means at the rear of the body and movable longitudinally along the rear surface of the body toward the hook portion to swing said abutment of the camming lever means into camming engagement with the rear of the body to open said hook closing element and simultaneously manipulate the body and hook portion in the unhooking direction to facilitate unhooking the same from a ring or the like to which the hook portion may be attached.

2,492,992
GYROHORIZON
Alfred J. Handel, Seattle, Wash., assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application December 23, 1944, Serial No. 569,442
4 Claims. (Cl. 33—204)



1. A gyro-horizon of the character described comprising a housing designed for fixed mounting in an instrument panel of an airplane, a window fixed on the housing and comprising a circumferential band graduated in degrees of inclination, and there being horizontal level designations diametrically of the window, a main shaft mounted in the housing for free rotation on an axis longitudinally of the housing and concentric of the window, a frame supported by said main shaft for free rotation about a transverse axis that intersects the axis of the main shaft at a right angle, a gyroscopic rotor mounted in said frame and about which the plane may turn on said longitudinal and transverse axes, means for driving the rotor, a spherical body mounted for rotation about the transverse axis and means actuated incident to relative turning movement of the frame to cause turning of the spherical body in the same direction at twice the degree; said body having an artificial horizon marked thereon and a diametric vertical scale of degree designations to be viewed through the window with reference to the horizontal and circumferential markings thereon.

2,492,993
TUNING MEANS FOR HIGH-FREQUENCY DEVICES
Arthur E. Harrison, Rockville Centre, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application January 22, 1944, Serial No. 519,294
22 Claims. (Cl. 315—5)



22. An electron discharge device comprising a hollow resonator having relatively movable electron permeable wall portions mounted in alignment to permit passage of an electron stream through the resonator field in the gap between said portions, a mounting member resiliently connected to one of said wall portions, two thermally sensitive expansible and contractible flexible conductors having corresponding ends secured in electrically insulated relation to said mounting member, and means securing the other ends of said flexible conductors to said respective wall portions.

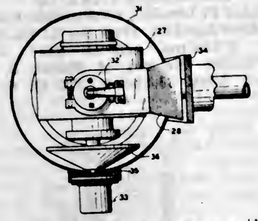
2,492,994
BITUMINOUS COMPOSITIONS
Denham Harman, Berkeley, and Harry J. Sommer, Lafayette, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 11, 1948, Serial No. 26,481
6 Claims. (Cl. 106—273)

5. An asphalt composition consisting essentially of a major amount of an asphalt and 0.1–5.0% by weight of an acid having the structure:



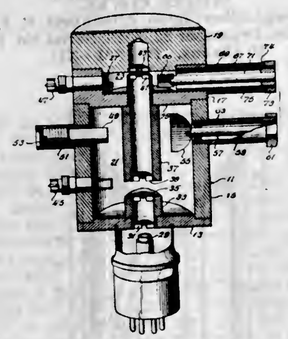
wherein R is an aliphatic hydrocarbon radical having 10–24 carbon atoms and X is a radical of the group consisting of a hydrogen atom, a hydroxyl group and a hydrocarbon radical.

2,492,995
ERECTING MEANS FOR GYRO VERTICALS
Robert Haskins, Jr., Garden City, and Clare E. Barkalow, Floral Park, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application July 31, 1943, Serial No. 496,930
12 Claims. (Cl. 74—5.46)



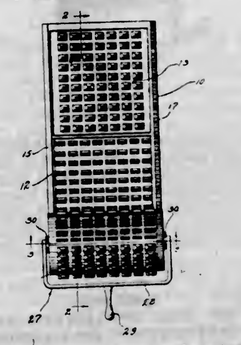
1. Means for exerting and erecting torque about the axes of universal mountings of the rotor case of a gyro vertical comprising a radiator of magnetic energy pendulously mounted on a separate universal support to provide a reference axis for the rotor case, a conductor linking the flux of the radiator mounted for movement with the rotor case, means for spinning said conductor about an axis normally coincident with the reference axis of the radiator, said conductor being symmetrically shaped and so disposed with respect to the radiator that the square of the total flux passing through the conductor and the magnitude of angular displacement therebetween vary in substantially inverse proportion.

2,492,996
TUNABLE HIGH-FREQUENCY CAVITY RESONATOR
Robert O. Haxby, Bellmore, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 25, 1945, Serial No. 612,571
2 Claims. (Cl. 315—6)



1. A tunable high frequency cavity resonator having an inner surface of conducting material, a substantially inelastic deformable tubular member sealed in vacuum tight relation to a wall of said resonator and extending outwardly from said resonator, a rod positioned within said tubular member and fixedly supported in vacuum-tight relation thereto adjacent the end of said rod remote from said resonator, a tuning member disposed within said resonator and supported on said rod, said rod and said tubular member being radially spaced apart to prevent contact therebetween upon torsional deformation of said tubular member, said rod serving to position said tuning member and to impart rotation thereto, said tuning member having unobstructed turning motion within said resonator when torsional deformation of said tubular member occurs upon the application of a turning torque at the outer end portion of said tubular member, and a reinforcing member carried by said deformable tubular member positioned to prevent lateral displacement of said tuning member when a force applied to said deformable tubular member tends to laterally bend the same.

2,492,997
MASTICATOR
Mike Hercez, Winnemucca, Nev.
Application November 21, 1945, Serial No. 630,085
1 Claim. (Cl. 17—27)

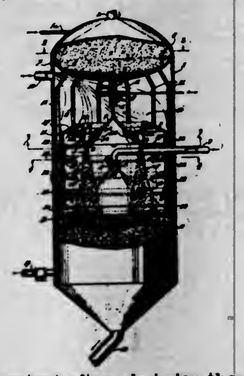


A masticator comprising a base, upstanding flanges along the longitudinal side edges of the base, cushions carried by the base between the flanges, interchangeable plates supported on the cushions, masticating teeth projecting upwardly from the plates, rack teeth carried by one of the flanges, the base having longitudinally extending shoulders beneath the flanges, a roller, a gear at one end of the roller for engagement with the rack teeth to advance the roller longitudinally of the base as the roller rotates, a cylindrical portion of the opposite end of the roller for smooth rolling movement on the flange opposite that carrying the rack teeth, a shaft extending through the roller for rotation therewith, a guide arm rotatably mounted adjacent each end of the shaft, guide and hold-down rollers on each guide arm for engagement beneath the shoulders on the base, masticating teeth on the roller for cooperation with the masticating teeth on the plates, and a handle fixed to the shaft whereby when the handle is rotated the roller will rotate in unison therewith and advance along the base over the plates.

2,492,998
METHOD OF AND APPARATUS FOR MINIMIZING DEPOSITION OF CARBONACEOUS MATERIAL
Raymond C. Lassiat, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application September 26, 1947, Serial No. 776,201
9 Claims. (Cl. 196—52)

1. In the art of converting hydrocarbons in the presence of contact material which gravitates

through a reaction zone while having conversion temperature, the method which comprises causing atomized liquid hydrocarbon material to pass through a chamber in the upper portion of said reaction zone and to be engaged with at least a substantial portion of said contact material, admitting a stream of vapors to said chamber, increasing the velocity of said stream of vapors to



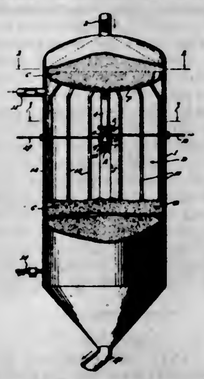
substantial extent after admission thereof to said chamber, and passing said stream of vapors, after the velocity thereof has thus been increased, into the path followed by some of the atomized liquid material migrating or tending to migrate along said path toward a surface which should be maintained free from a deposit of carbonaceous material.

2,492,999

METHOD OF AND APPARATUS FOR MINIMIZING DEPOSITION OF CARBONACEOUS MATERIAL

Raymond C. Lassiat, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application September 26, 1947, Serial No. 776,202
6 Claims. (Cl. 196—52)



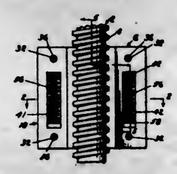
1. In the art of converting hydrocarbons in the presence of contact material having conversion temperature and adapted to gravitate through a chamber as a tubular curtain of freely falling contact material, the method which comprises atomizing liquid hydrocarbon material in the lower area of a zone within said tubular curtain, directing a circumferentially complete stream of the atomized material into engagement with the curtain contact material, passing a stream of vapors into the path followed by atomized material migrating or tending to migrate toward the boundary of said zone, and maintaining said stream of vapors at velocity sufficient to deflect migrating atomized material from said path.

2,493,000

BACKLASH TAKE-UP

Douglas F. Linsley, Greenwich, Conn.

Application April 27, 1945, Serial No. 590,569
4 Claims. (Cl. 74—441)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



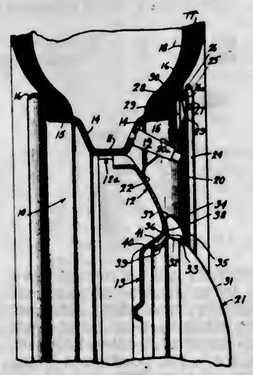
1. A housing having a threaded bore, a screw threaded into said bore, said housing being formed in two parts which are in slidable contact along a plane containing the axis of said screw so that a portion of said threaded bore lies in the mating faces of each of said parts, there being located in said mating faces but on opposite sides of said screw, a pair of cylindrical recesses, each recess thus being longitudinally split along said plane into two hemicylindrical recesses with their adjacent end walls out of alignment, springs located in said cylindrical recesses and exerting a thrust urging said two parts into axial movement in respectively opposite directions to thereby take up any backlash existing between the threads on said bore and the mating threads on said screw.

2,493,001

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.

Application December 22, 1943, Serial No. 515,205
10 Claims. (Cl. 301—37)



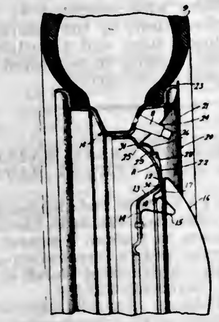
1. In a wheel structure including a tire rim and a central load bearing portion, a cover assembly including a circular cover member formed from sheet synthetic plastic material and having a cross-sectional configuration and expanse whereby it may be disposed over the outer side of a wheel structure to conceal the flanges of the tire rim and whereby it may extend radially inwardly beyond the junction of the tire rim and the central load bearing portion, said cover part having a generally axially inwardly extending, radially outer marginal flange portion, and a rigidifying, ornamenting, retaining annulus secured to said cover part, said annulus including a generally axially, inwardly extending flange portion arranged for interlocking engagement with said outer marginal portion of said cover part and also including a generally radially extending portion terminating in a reversely extending outer portion, said last named portion being arranged to extend over and conceal the junction between the annulus and the cover part, and means on the axially inwardly extending interlocked flange portions of said annular retaining annulus and said cover for detachably engaging a portion of the wheel over which the cover assembly is disposed.

2,493,002

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.

Application August 27, 1945, Serial No. 612,843
8 Claims. (Cl. 301—37)



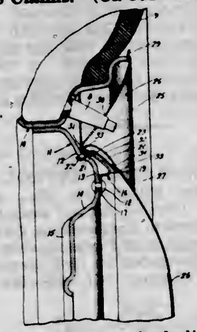
1. As an article of manufacture, a cover for a wheel including concentric radially inner and outer portions, the outer of which being made of resiliently pliable material, which is deflectable without permanent deformation and the inner being made of more rigid material, such as metallic sheet, the outer margin of said inner portion having a shoulder against which an inner edge of said outer portion is held and said inner portion also having axially rearwardly of said shoulder a radially outwardly turned edge lockseaming said edge against said shoulder, the inner margin of said outer portion adjacent said inner edge being bowed axially outwardly in a generally divergent direction from that of the main body of the outer portion and an annular bead seated on said bowed margin and held in place thereover by said lockseam, said annular bead being of a convex-concave cross-sectional contour and having a radially outer edge nested in the junction of said inner margin with the main body of the outer cover portion and having a radially inner edge held in place between said shoulder and said turned edge of the inner cover portion.

2,493,003

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.

Application August 27, 1945, Serial No. 612,845
3 Claims. (Cl. 301—37)



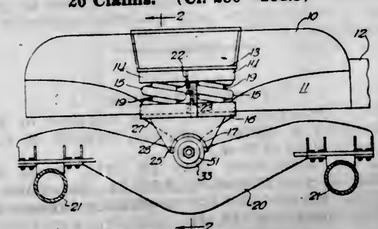
1. In a wheel structure including a tire rim and body part, said body part having a plurality of cover-retaining spring clips thereon including generally radially outwardly and axially inwardly facing engagement cam surfaces disposed close to the outer surface of the wheel body radially inwardly spaced from but adjacent to the tire rim and body part juncture, a cover member formed from relatively thin resiliently pliable sheet material comprising circular radially inner and outer divergently related portions the outer of which is cross-sectionally dimensioned to lie in concealing relation to the tire rim and generally simulates a radially inward extension of a tire wall and the inner of which is disposed in concealing relation to the wheel body part and said spring clips, the junction of said cover portions providing an axially inwardly facing shoulder at the axially outer side of the cover and a generally axially outwardly facing shoulder at the axially inner side of the cover, and a reinforcing bead of substantially more rigid material than said cover member engaging and stiffening said outer shoulder, said inner side shoulder being engaged in snap-on, pry-off relation by said cam surfaces on the clips and holding that portion of the cover junction axially inwardly from said shoulder in abutment with the wheel body, the cover member having means thereon spaced from said outer side shoulder thereof to hold the bead against being stressed out of place from such shoulder.

2,493,004

VEHICLE SUSPENSION

Alden W. Mackie, Portland, Oreg., assignor to Robert W. Pointer, Portland, Oreg.

Application August 27, 1945, Serial No. 612,900
20 Claims. (Cl. 280—104.5)



1. In a vehicle suspension, a pair of walking beams, one on each side of the vehicle, a trun-

nion on each of said walking beams, spring assemblies supporting said vehicle on said trunnions, smooth cylindrical uniform diameter through bores in said trunnions, resilient bushings in said trunnions extending outwardly beyond the outward ends thereof, a transverse trunnion shaft extending through said bushings and carrying no weight, and means to secure said bushings in a fixed position on said shaft, said trunnions carrying all the weight imposed on said walking beams independently of said guide shaft.

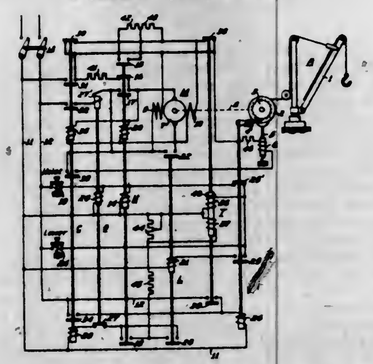
2,493,005

ELECTRIC WINCH CONTROL SYSTEM

Kurt Mahnke, Pittsburgh, Pa., and Earl B. Ankenman, Olathe, Kans., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 29, 1947, Serial No. 788,950

8 Claims. (Cl. 318—261)



1. A winch control system, comprising winch locking means disposed for preventing lowering operation when set and having an electromagnetic releasing coil and limit switch means, a reversible winch motor, an energizing circuit for said motor, a hoist contactor for controlling said circuit to energize said motor for hoisting, a lowering contactor for controlling said circuit to energize said motor for lowering, master control means having selectively actuable first and second contacts respectively, said first contact being connected with said hoist contactor to render the latter operative when said first contact is actuated, a timing relay having contact means connected with said contactors and having a control coil connected with said second contact and said releasing coil and said limit switch means so that, when said control coil is energized through said second contact, said hoist contactor is temporarily operated for an interval timed by said timing relay before said lowering contactor is operated.

2,493,006

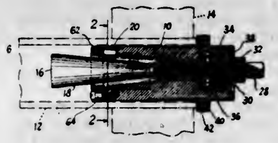
TUBE EXPANDER

Carl A. Maxwell, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Original application May 15, 1941, Serial No. 393,505, now Patent No. 2,375,235, dated May 8, 1945. Divided and this application January 21, 1944, Serial No. 519,141

3 Claims. (Cl. 80—12)

1. In an eccentric retractive roll expander, a barrel or cage adapted to fit within a tube to be expanded, the barrel having a mandrel receiving bore which is eccentric with reference to the barrel axis and the tube axis, a mandrel rotatably mounted within the barrel and having an active tapered portion, a tapered expander roll in rolling engagement with the mandrel and having an active surface of a length which is but a fraction of the length of the tapered portion of the mandrel, said expander roll being disposed in an opening entirely at one end of the barrel, said opening extending through the thinner part of the



barrel, a plurality of tapered stabilizing rollers set at a lead angle in rolling engagement with the mandrel and disposed at distributed positions around the barrel and in barrel openings circumferentially spaced from said expander roll opening, said last mentioned rollers being of a length and diameter much greater than the expander roll, means fixed with reference to the barrel for limiting the extent of the insertion of the expander within a tube, and adjustment means for causing the mandrel to be moved longitudinally with respect to the barrel.

2,493,007

FLUORINATION OF UNSATURATED HALOCARBONS WITH CERIUM TETRAFLUORIDE

Earl T. McBee, La Fayette, Ind., Richard M. Robb, Wilmington, Del., and Waldo B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application March 4, 1946, Serial No. 651,988

4 Claims. (Cl. 260—648)

1. The method for the fluorination of an unsaturated halocarbon containing in the molecule at least one halogen other than fluorine to saturate, with fluorine, a double bond of the unsaturated halocarbon and to replace, with fluorine, at least one halogen atom other than fluorine in the unsaturated halocarbon, with retention of the carbon structure of the starting unsaturated halocarbon, the steps which include (1) vaporizing an unsaturated halocarbon containing at least one halogen atom other than fluorine, (2) maintaining cerium tetrafluoride in a reaction zone at a temperature between about 100 and about 500 degrees centigrade, (3) causing the unsaturated halocarbon and cerium tetrafluoride to react in the reaction zone at said temperature with saturation, with fluorine, of at least one double bond in the unsaturated halocarbon, and with replacement, with fluorine, of at least one halogen atom other than fluorine in the unsaturated halocarbon, (4) condensing from the effluent product a halocarbon having the carbon structure of the starting halocarbon wherein at least one double bond has been saturated with fluorine, and wherein at least one halogen atom other than fluorine has been replaced with fluorine.

2,493,008

FLUORINATION OF SATURATED HALOCARBONS WITH CERIUM TETRAFLUORIDE

Earl T. McBee, La Fayette, Ind., Richard M. Robb, Wilmington, Del., and Waldo B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application March 14, 1946, Serial No. 654,522

6 Claims. (Cl. 260—648)

1. The process for the replacement, with fluorine, of halogen atoms other than fluorine in a saturated halocarbon with retention of the carbon structure of the molecule, which includes the steps of (1) vaporizing a saturated halocarbon containing at least one halogen atom other than fluorine, (2) maintaining solid cerium tetrafluoride in a reaction zone at a temperature between about 100 and about 600 degrees centigrade, (3) causing the vapor of the saturated halocarbon and cerium tetrafluoride to react with replacement, with fluorine, of halogen other than fluorine in the molecule of the saturated halocarbon, and (4) condensing from the effluent product a saturated halocarbon having the same carbon structure as the starting material wherein at least one halogen atom other than fluorine has been replaced with fluorine.

2,493,009

PREPARATION OF PENTACHLOROCYCLOPENTENONE

Earl T. McBee and Jack S. Newcomer, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application June 28, 1947, Serial No. 757,949

11 Claims. (Cl. 260—586)

1. The process which includes: heating together, at a temperature between about 60 and 95 degrees centigrade, hexachlorocyclopentadiene and concentrated sulfuric acid of less than 100 percent concentration, to convert said hexachlorocyclopentadiene to 2,3,4,4,5-pentachloro-2-cyclopentenone.

2,493,010

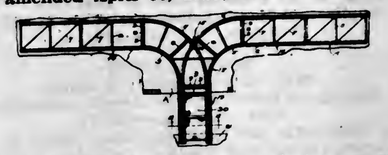
TRACK LAYOUT FOR LOADING AND UNLOADING

William E. McDonald, Salt Lake City, Utah

Application June 4, 1945, Serial No. 597,493

6 Claims. (Cl. 238—10)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A car loading and unloading device comprising a bridge section, one end of said bridge section being supportable by said car, ground-engaging means supporting the other end of said bridge section, said ground-engaging means being spaced from said car, two tracks of the same gauge supported by said bridge section in parallel relation, each track comprising an inside rail and an outside rail, each of the inside rails being adjacent the outside rail of the other track, and a cross-over section supportable by said car, wherein the inside rails of said tracks intersect each other and are cut away at the point of intersection to permit the passage of a flanged wheel over said cross-over section; said two tracks leading into said car in divergent directions from said cross-over section and being supportable by said car.

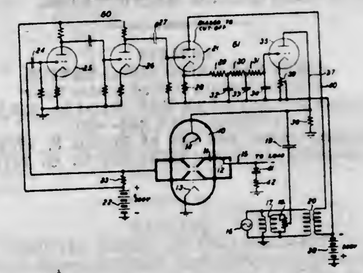
2,493,011

OSCILLATOR POWER OUTPUT MAXIMIZING SYSTEM

Stewart E. Miller, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 8, 1947, Serial No. 778,627

5 Claims. (Cl. 250—36)



4. A reflex oscillator comprising a cavity resonator, a cathode, and a repeller electrode, a source of relatively low frequency oscillations, a phase sensitive detector, means connecting said low frequency source to said repeller electrode and to said phase sensitive detector, means to generate a potential which follows the low frequency fluctuations in the power output of said reflex oscillator due to the low frequency oscillations impressed upon said repeller electrode, means to impress said low frequency potential upon said phase sensitive detector along with said low frequency oscillations to produce a potential in the output of said phase sensitive detector, and means to impress said last-mentioned potential upon said repeller electrode in proper polarity to increase the power output of the reflex oscillator.

2,493,012

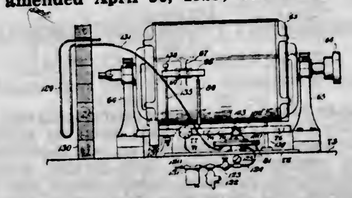
BALANCED-DIAPHRAGM DYNAMOMETER TORQUE INDICATOR

Charles S. Moore, Cleveland, Fred Voss, Lakewood, and Arnold E. Biermann, Cleveland, Ohio

Application September 30, 1944, Serial No. 556,644

4 Claims. (Cl. 73—134)

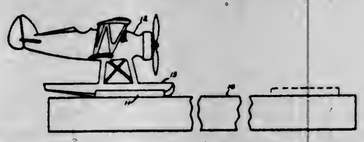
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Torque measuring apparatus comprising a dynamometer freely mounted in bearing supports on a base plate and tending to move under the force of a torque to be measured, a pressure chamber movable on said base plate and having

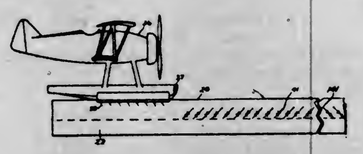
a flexible wall, adjustable means connecting the dynamometer to said flexible wall for transmitting the torque from said dynamometer to said flexible wall, valve means cooperating with said flexible wall and connecting to a source of pressure and to the atmosphere for admitting pressure to or releasing pressure from said pressure chamber to balance said dynamometer torque, said adjustable means comprising a lever having a fulcrum and arms connected to said dynamometer and to said flexible wall respectively, the arm connected to said flexible wall being substantially parallel to said base plate and having means for selectively connecting it to said flexible wall at varying distances from its fulcrum for operation at widely differing range of torques.

2,493,013
AIRPLANE LAUNCHING DEVICE
William Nelson, United States Navy
Application August 20, 1940, Serial No. 353,399
9 Claims. (Cl. 244—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



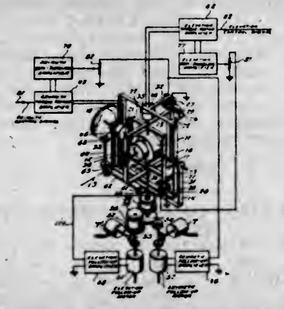
1. An aircraft catapult comprising an aircraft carriage, a launching runway, and a cooperative linear turbine blading arrangement means on said carriage and in said runway, said cooperative turbine means comprising a plurality of linear turbine blades on said carriage, and a plurality of fixed turbine blades extending linearly along said runway, said turbine blades on said carriage being rotatable from a carriage advancing direction to a carriage retarding direction.

2,493,014
LIQUID TURBINE AIRPLANE CATAPULT
William Nelson, United States Navy
Application September 18, 1940, Serial No. 357,259
5 Claims. (Cl. 244—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



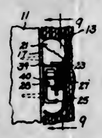
1. In an aircraft catapult apparatus having a launching runway and aircraft engaging mobile means mounted for movement on said launching runway, cooperative linear fluid turbine means on said aircraft engaging mobile means and in said runway, said cooperative fluid turbine means comprising a plurality of turbine buckets on said mobile means and a plurality of fluid jet nozzles extending linearly along said runway adjacent the path of said turbine buckets, releasing means on said aircraft engaging mobile means holding the aircraft thereto, means at a predetermined point along said runway to actuate said aircraft releasing means when said mobile means reaches said predetermined point, and means for decelerating said mobile means including a plurality of nozzles disposed in alignment at the end of the said plurality of fluid jet nozzles and being substantially reversely disposed to discharge against the rear sides of said turbine buckets.

2,493,015
GYRO ANTITUMBLING DEVICE
George C. Newton, Jr., Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application October 2, 1944, Serial No. 556,868
8 Claims. (Cl. 74—5.2)



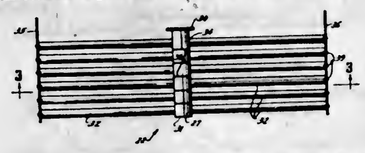
1. In a follow-up control system for a gyro having a pick-off for producing an error signal, upon relative displacement of said gyro and follow-up from a predetermined relationship, means controlled by said signal for causing the follow-up member to maintain said predetermined position with respect to the gyro, torque applying means for precessing said gyro, and means responsive to an error signal from said pick-off of more than a predetermined magnitude for modifying said torque applying means to precess said gyro in a manner to reduce said error signal.

2,493,016
LATCHING DEVICE WITH STAMPED CATCH
Ralph Kenneth Nottingham, Portland, Oreg., assignor to Phillips Tutch-Latch Company, New York, N. Y., a corporation of Delaware
Application March 1, 1948, Serial No. 12,287
6 Claims. (Cl. 292—198)



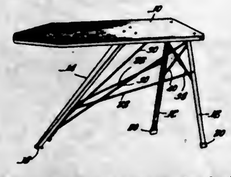
1. A keeper part for a latching device comprising a base, a keeper comprising a strip of sheet metal, one end of said strip being symmetrically reduced to provide a tongue, said tongue being bent upwardly to form a stop abutment, the other end of said strip being bent upwardly and then forwardly to position the end edge thereof adjacent said stop abutment, and means pivotally mounting said keeper on said base for pivotal movement about an axis parallel to said tongue.

2,493,017
GRID SPRAY NOZZLE
Ervin J. Nutter, Dayton, Ohio
Application August 5, 1946, Serial No. 688,414
8 Claims. (Cl. 244—136)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A grid spray nozzle device comprising, a plurality of spaced parallel fluid conduits connectible to spray material supply means having their adjacent portions constructed and arranged to form Venturi passage means therebetween, and orifices in the said fluid conduits at the throat section of the said Venturi passage means whereby the flow of air through the grid spray nozzle will pull fluid spray material outwardly therefrom in atomized form.

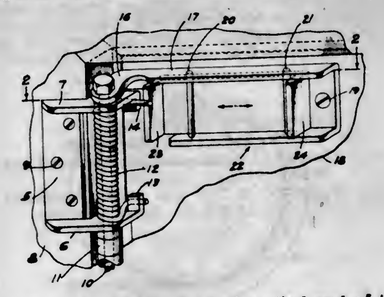
2,493,018
IRONING TABLE WITH FOLDABLE LEGS
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application November 9, 1946, Serial No. 708,826
4 Claims. (Cl. 38—117)



1. In an ironing table which includes an ironing board and a pair of supporting legs hinged to said board, a pair of transversely crossed straps hinged to said board and connected respectively to said legs for bracing the same, one of said straps having a longitudinal slit substantially in the midportion thereof, the integral portions of said strap adjacent said slit being relatively offset to enable passage of the other of said straps between such relatively offset portions.

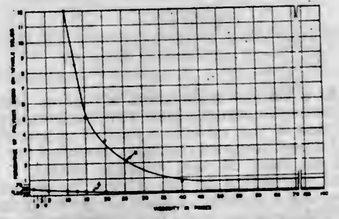
2,493,019
SPRING HINGE
James E. Olvis, Glendale, Calif.
Application March 30, 1946, Serial No. 658,453
5 Claims. (Cl. 16—189)

1. A hinge having a single leaf attachable to one of two members fastened together in a swingable relation to each other, said leaf having an apertured flange across each end projecting toward the same face of the leaf, a hinge pin bridging the space between said flanges and projecting beyond one of them, a spiral door-closing spring coiled around the part of said pin occupying the space between said flanges, means carried by one of said flanges to hold one end of said spring in a fixed position to prevent uncoiling of the spring, a stop carried by the other of said flanges to limit the uncoiling movement of the opposite end of the spring after the spring has uncoiled sufficiently to close the door, a wing swiveled to the aforesaid projecting portion of said hinge pin, said wing being attached to the door, and a shuttle member mounted upon said wing and adjustable to and from a position where-



in it is engageable by the last recited end of the aforesaid spring, thus rendering said spring operative or inoperative as a door closing force according to the adjustment of said shuttle member.

2,493,020
SYNTHETIC RESIN METALLIC ENAMELS
Le Verne Kenneth Osdal, Upper Darby, and Ralph E. Pike, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 10, 1948, Serial No. 7,436
5 Claims. (Cl. 260—22)

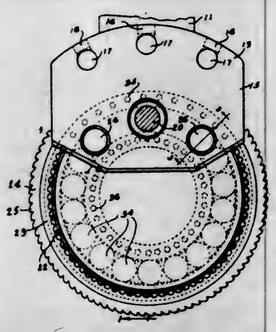


1. A coating composition comprising an oil-modified alkyd resin vehicle, aluminum flakes, and a β-dialkylaminoalkylmethacrylate polymer, the latter being present in an amount falling within the range of the double curve represented by .1% to .75% when it has a high degree of polymerization, .25% to 5% when it has a medium degree of polymerization, and at least .4% when it has has a low degree of polymerization, the percentages being based on the alkyd resin solids.

2,493,021
SLOTTING ATTACHMENT FOR MACHINE TOOLS
Austin P. Owens, Highland Park, Mich.
Application April 19, 1946, Serial No. 663,468
2 Claims. (Cl. 90—11)

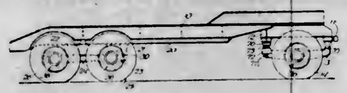
1. In a slotting tool comprising a support adapted to be located or moved above a work piece, a drive shaft extending rotatably into the support and having a pinion fixed thereon within the latter, and a ring cutter having an internal bearing portion and an internal gear rigidly concentric therewith and having a portion of the internal gear meshing with said pinion, the features which include a supporting member projecting rigidly a distance downward toward said work piece from the support, a bearing means

fixedly incorporated in the supporting member so as to be supported thereby and also extending up into the interior of aforesaid support, and rolling



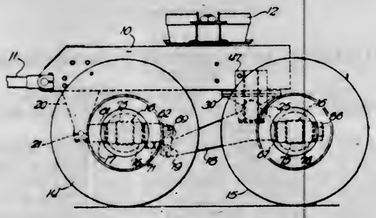
bearing members located between the bearing means and the internal bearing portion of said ring cutter.

2,493,022
OSCILLATING AXLE SUSPENSION
Robert W. Pointer, Portland, Oreg.
Application November 28, 1945, Serial No. 631,288
10 Claims. (Cl. 280—104.5)



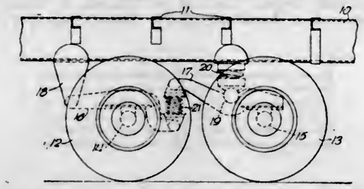
1. In a vehicle suspension, a pair of pivotally interconnected longitudinal walking beams on the same side of the vehicle, a pair of oppositely directed wheel spindles pivotally mounted for oscillation on each of said walking beams, a fixed pivotal connection on the vehicle for one of said beams, and a shackle connection between the vehicle and the other beam to accommodate relative pivotal movement of the two beams.

2,493,023
RESILIENT OSCILLATING AXLE SUSPENSION
Robert W. Pointer, Portland, Oreg.
Application November 28, 1945, Serial No. 631,289
14 Claims. (Cl. 280—104.5)



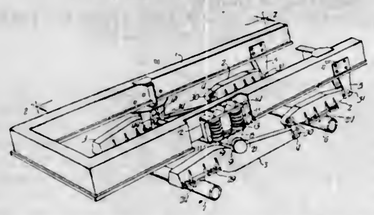
1. In a vehicle suspension, a pair of interconnected walking beams, oscillating axles pivotally mounted on said walking beams, a trunnion on one of said beams, and a spring assembly supporting said vehicle upon said trunnion.

2,493,024
DUAL BEAM VEHICLE SUSPENSION
Robert W. Pointer, Portland, Oreg.
Application November 28, 1945, Serial No. 631,292
15 Claims. (Cl. 280—104.5)



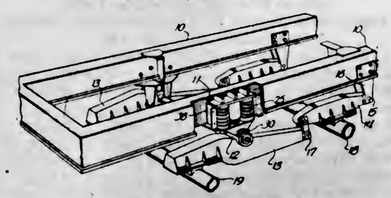
1. A vehicle suspension comprising a pair of walking beams, an axle carried by each of said beams, a resilient shackle connection between said beams, a trunnion on one of said beams, and a resilient support for said vehicle on said trunnion, said shackle having interfitting relatively slidable members connected to the respective beams and forming a variable length shackle shank resistant to bending to prevent relative lateral movement of the beams.

2,493,025
BEAM SUSPENSION FOR VEHICLES
Robert W. Pointer, Portland, Oreg.
Application December 3, 1945, Serial No. 632,549
24 Claims. (Cl. 280—104.5)



1. A vehicle suspension comprising a first walking beam pivotally mounted at one end on the vehicle, an axle carried by said first beam, a second walking beam pivotally connected at one end with the other end of said first walking beam, an axle carried by said second walking beam, and a resilient trunnion support for the vehicle on said second walking beam.

2,493,026
RESILIENT SUSPENSION FOR VEHICLES
Robert W. Pointer, Portland, Oreg.
Application December 3, 1945, Serial No. 632,550
25 Claims. (Cl. 280—104.5)



1. A spring assembly for a vehicle suspension comprising a spring base plate, a spring rider plate, a pair of helical main springs bearing against said spring rider plate, a floating spring plate carried by and bearing upon said main springs, a plurality of underload springs grouped

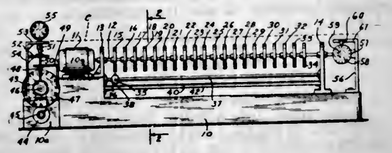
around the axis of each main spring and interposed between said floating spring plate and said spring base plate, a resilient bumper between said last mentioned plates, and a friction shock absorber extending through said floating spring plate and bearing against said spring base and rider plates for controlling the combined spring action.

2,493,027
ADJUSTABLE STILT
Lewis T. Price, Tulsa, Okla.
Application May 3, 1945, Serial No. 591,661
7 Claims. (Cl. 272—70.1)



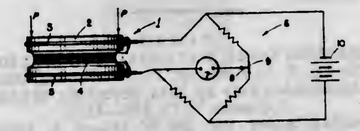
3. A stilt comprising telescoping upper and lower sleeves, said upper sleeve having a stirrup thereon, said sleeves having a screw-threaded connection therebetween, an adjusting shaft rotatably but non-slidably engaging one of said sleeves and having a slidable but non-rotatable engagement with the other sleeve and extending exteriorly of said upper sleeve for effecting relative rotational and longitudinal adjustment of said stilt.

2,493,028
INSTRUMENT FOR TESTING TACHOMETERS AND SPEEDOMETERS
Donald R. Putt, Jersey City, N. J.
Application July 16, 1947, Serial No. 761,209
5 Claims. (Cl. 73—2)



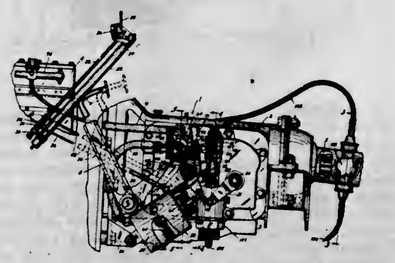
1. A testing instrument for speed indicating devices comprising a constant speed motor, a plurality of elements connected to and driven by said motor, a coil adjacent to said elements and movable selectively adjacent to any of said elements, means associated with each of said elements for generating electrical impulses in said coil, said means differing in number in each of said elements whereby currents of different frequency may be generated in said coil, a glow tube, means connecting said coil to said tube to cause the latter to flash at the frequency of the current generated in said coil, a second variable speed motor, means for connecting the speed indicating device to be tested to said second motor, a disk member driven by said second motor and disposed adjacent to said tube to be illuminated thereby, and means for varying the speed of said second motor to synchronize it with the frequency of the current generated by said coil.

2,493,029
ELECTRIC DYNAMOMETER
Walter Ramberg, Chevy Chase, Md.
Application September 25, 1945, Serial No. 618,596
7 Claims. (Cl. 201—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a dynamometer, a force responsive means comprising: a tubular member having a membranaceous annular corrugation normally having a semicircular section and adapted to obtain a relatively large circumferential strain at the bottom thereof proportional to said force when said tubular member is subjected to an axial force.

2,493,030
VEHICLE POWER DRIVE CONTROL SYSTEM
Glenn T. Randol, St. Louis, Mo.
Application February 21, 1944, Serial No. 523,240
20 Claims. (Cl. 74—336.5)

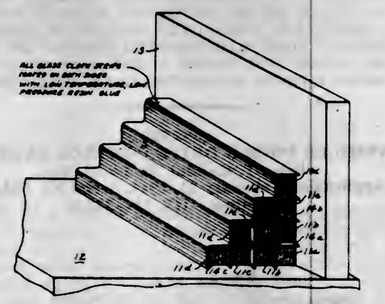


1. In control means for a change speed gearing having two different speed ratio gear sets, a toothed member movable to two different tooth engaging positions to establish the said gear speeds, an operator-operated control member having a reciprocal movement, means controlled by the control member for moving the movable member to its two positions and comprising a connection means movable by the control member and selecting means associated with the connection means for selectively establishing either of two connections from the control member so that the moving means can be caused to make operative either of the gear speeds by a movement of the control member to a predetermined position, and speed responsive means for determining the selecting condition of the selecting means.

2,493,031
PREVENTION OF DEGRADATION OF TEXTILE FIBERS BY ACIDS
John David Reid and Wesley Kyle Ward, Jr., New Orleans, La., and Laurence W. Masseno, Jr., United States Army, assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 28, 1946, Serial No. 658,202
1 Claim. (Cl. 206—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

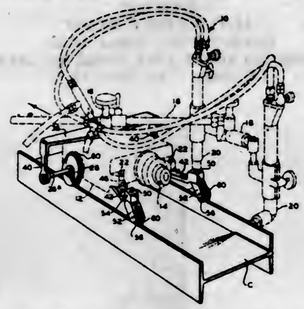
A package comprising acidic fertilizer in a multi-ply wall paper bag having a sewed seam, said seam being sewed with cotton thread impregnated with at least about twenty percent by weight of triethanolamine distributed throughout the thread.

2,493,032
GRIDDED CORE MATERIAL AND METHOD
George B. Rheinfrank, Jr., Perrysburg, Ohio
Application July 26, 1945, Serial No. 607,244
3 Claims. (Cl. 154—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



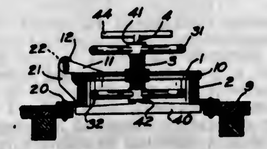
1. A method of making lightweight structural members of high strength which comprises forming a plurality of long cellular cellulose acetate bars of substantially square cross section, forming a block of the bars by laying down one bar, laying a strip of glass cloth, coated with a synthetic resin to completely cover two adjacent sides of the bar, laying down a diagonal row consisting of two of the bars, each bar with one side covering the said strip and with the diagonals of their cross section in the same plane, said plane being parallel to the plane of the diagonal of the first said bar, completely covering the four outer sides of the two bars of the diagonal row with a single strip of the said resin coated glass cloth, laying subsequent diagonal rows of the bars and completely covering their outer sides with glass cloth strips coated with resin and in like manner, each diagonal row having one more bar than the diagonal row next preceding until a predetermined number is reached, then decreasing the number of bars in each succeeding diagonal row by one bar until a single bar is reached, subjecting the block to light heat and pressure to cure the resin, cutting slabs off the block transversely of the bars, facing the sides of the slabs transverse to the bars with resin coated glass cloth, and subjecting the covered slabs to heat and pressure to cure the resin.

2,493,033
ATTACHMENT FOR METAL CUTTING MACHINES
Mark Russell, Beverly, and Arthur E. Rainville, Arlington, Mass.
Application February 8, 1946, Serial No. 646,477
2 Claims. (Cl. 104—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An attachment mountable on the housing of a metal cutting machine to perform cutting operations on beam members having flanged edges, said attachment comprising a driven shaft mountable in the housing with the opposite ends of the shaft extending therefrom, a horizontally disposed arm secured to said housing and having depending projections wherein are journally mounted said shaft extensions, two driving wheels having V-shaped grooves in their peripheries for tracking engagement with the flange edges of said beam members, said driving wheels being adjustable along said shaft relative to said housing and relative to each other to accommodate beam members of varying size and fixable by set screws to the shaft to drive the housing along the beam, two trailing caster wheels having peripheral V-grooves for trailing engagement with said flange edges, two substantially horizontal supporting bracket members, the upper ends of the shafts of said caster wheels each being pivotally journalled in one end of said bracket members, means for adjustably securing said shafts of said casters in said journals, the other end of said bracket members having upstanding pins attached thereto, said pins being rotatably journalled in said housing, and means for adjustably securing said pins in said housing, whereby the trailer wheels are adjustable to conform to the adjusted position of the driven wheels.

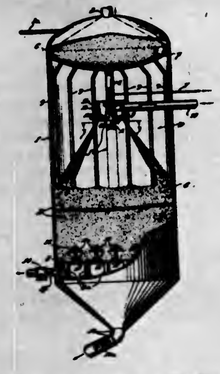
2,493,034
HATCH COVER FASTENER
Rolland Clifford Sabins, Seattle, Wash.
Application July 3, 1945, Serial No. 602,963
6 Claims. (Cl. 292—260)



1. Latching mechanism for a cover fitted to close an elongated hatch coaming comprising a hollow screw threaded in and extending through the cover, means on the screw to rotate it, a post

extending axially through the screw, and having thrust bearings engaging the screw for conjoint axial movement, a crosshead carried by the lower end of said post, long enough to span the lesser width of the coaming, but short enough to slip through its greater width, and means on the post's upper end to rotate the post to vary the disposition of the crosshead.

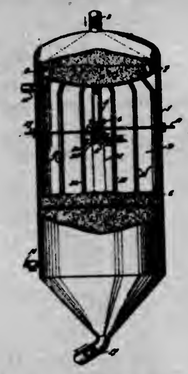
2,493,035
METHOD OF AND APPARATUS FOR MINIMIZING DEPOSITION OF CARBONACEOUS MATERIAL
Reuben T. Savage, Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application December 19, 1947, Serial No. 792,809
9 Claims. (Cl. 196—52)



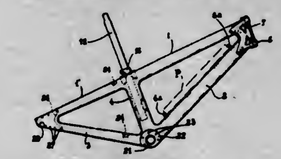
1. In the art of converting hydrocarbons in the presence of contact material which moves through a housing while having conversion temperature, the method which comprises causing atomized liquid hydrocarbon material to pass through a part of an upper chamber of said housing for subsequent engagements with at least a substantial portion of said contact material, passing vapors along a path extending into said chamber and communicating with a port-defining zone from which a stream of said vapors is directed into the path followed by some of the atomized liquid material migrating or tending to migrate toward a surface which should be maintained free from a carbonaceous deposit, and maintaining the velocity of the stream of vapors ejected from said zone at magnitude sufficient to deflect at least a substantial portion of the migrating liquid material from said last named path.

2,493,036
METHOD OF AND APPARATUS FOR MINIMIZING DEPOSITION OF CARBONACEOUS MATERIAL
Reuben T. Savage, Ridley Park, and Dwight D. McKinney, Drexel Hill, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application July 1, 1948, Serial No. 36,304
3 Claims. (Cl. 196—52)

1. In the art of converting hydrocarbons in the presence of contact material having conversion temperature and adapted to gravitate through a chamber as a tubular curtain of freely falling contact material, the method which comprises atomizing liquid hydrocarbon material in the lower area of a zone located within said curtain and having a boundary adapted to exclude atomized material therefrom, directing a circumferentially complete stream of the atomized material into engagement with the curtain contact material, passing vapors through an annual passage formed in the boundary of said zone, and directing the annular stream of vapors downwardly in sweeping relation with respect to the boundary of said zone to thereby substantially prevent deposition of migrating atomized material thereon.



2,493,037
CYCLE FRAME
Victor Simon, Villeurbanne, France; vested in the Attorney General of the United States
Application August 20, 1945, Serial No. 611,540
In France July 26, 1941
2 Claims. (Cl. 280—281)



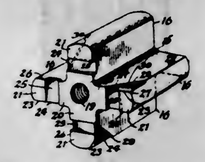
1. In a pressed-metal frame for cycles and the like, a frame element comprising an integral U-shaped member with tongues projecting from the edges thereof in respective registering relation, said edges being bent at right angles towards each other but spaced from each other with the tongues in superimposition and riveted to each other, to form a rectangular cross-section with an opening in the middle part of side thereof, said opening being bridged by said riveted superimposed tongues.

2,493,038
REACTION OF METHANE WITH SULFUR TRIOXIDE
John C. Snyder, Darlington, and Aristid V. Grosse, Haverford, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1946, Serial No. 673,627
13 Claims. (Cl. 260—456)

5. The process which comprises forming at least one compound selected from the group con-

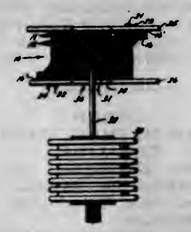
sisting of methane sulfonic acid, methionic acid, methyl esters of sulfuric acid, methanol and methyl esters of sulfonic acids of methane by reacting methane and sulfur trioxide in the presence of a catalyst selected from the group consisting of metals and sulfates of metals in group II—B of the periodic table.

2,493,039
DEBURRING TOOL
George Sochia, Baldwinsville, N. Y., assignor to Morris Machine Works, Baldwinsville, N. Y., a corporation of New York
Application January 29, 1947, Serial No. 724,940
1 Claim. (Cl. 29—105)



A tool for removing burrs from the face of an article around a hole therein, comprising a head adapted to be rotated about an axis concentric with said hole and provided with a radially projecting wing adapted to be arranged in front of said face, said wing being provided on its end opposing said face with a radially extending cutting edge adapted to remove said burr from said article, a relief face arranged on the end of said wing opposing said face of said article and receding circumferentially backward from said cutting edge, and inner and outer stop faces arranged on the end of said wing opposing said face of said article in line with said cutting edge and adjacent to the inner and outer ends of said cutting edge, and a pilot plug detachably mounted on the end of said body opposing said face of said article and overlapping the inner part of said cutting edge and adapted to enter the hole in said article from which the burr is to be removed, said inner stop face adapted to be engaged and covered by said pilot plug and said outer stop face adapted to engage the said opposing face of said article.

2,493,040
NONARCING POTENTIOMETER
Charles F. Sopcak, Dayton, Ohio
Application September 3, 1946, Serial No. 694,445
10 Claims. (Cl. 201—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



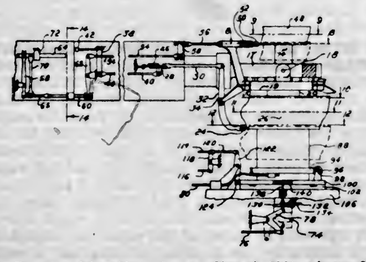
1. A potentiometer comprising a laminated commutator shaped to provide a channel therein extending through the laminations, resistors electrically connected with said laminations and providing the resistance winding, and a contact member mounted to move longitudinally in said channel and containing a plurality of contact arms spaced apart and each in engagement with the channel wall with the points of engagement located in a plane perpendicular to said channel wall, whereby to retain a continuous non-arcing contact at a given voltage point on said potentiometer during operation even though the device is subjected to considerable vibration.

2,493,041
ROTARY WING AIRCRAFT
Edward A. Stalker, Bay City, Mich.
Application September 7, 1944, Serial No. 553,082
10 Claims. (Cl. 170—135.4)



1. In combination in a helicopter, a blade rotatable about an upright axis, variable thrust producing means on said blade, means for varying the lift of said blade, and control means for controlling the force exerted on said blade by said thrust producing means and for controlling the action of said lift varying means to vary said force and said lift cyclically and inversely during blade rotation.

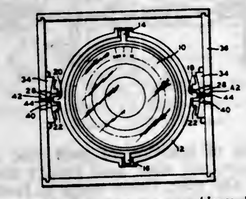
2,493,042
DIRECT LIFT AIRCRAFT
Edward A. Stalker, Bay City, Mich.
Application October 3, 1945, Serial No. 619,974
10 Claims. (Cl. 170—135.4)



1. In combination in a direct lift aircraft, a blade mounted for rotation about a vertical axis, lift varying means to alter the lift of said blade, a cylindrical cam having different camming contours at different cross sections along the longitudinal length thereof, a contactor making running contact with said camming surface and having its rotation about said cam coordinated with the rotation of said blade about its said axis, said cam over the longitudinal length thereof contacted by said contactor having progressively and continuously changing camming contours transverse to the length thereof, means operably connecting said contactor with said lift varying means to vary the lift of said blade in coordination with the changing contour of said camming surface, and means to change the relative longitudinal position of said contactor and cam and the offset position of said cam transversely with respect to said axis.

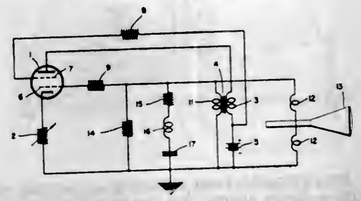
3. The combination as defined in claim 1 including a blade having a main body and an adjustable flap forming said lift varying means and supported in variable relationship to define a slot therebetween, means to induce a flow of fluid through said slot, said flap being composed of an upper surface hinged to the lower surface, and means to displace one said flap surface relative to the other said flap surface and to said main body surface to vary the said slot width.

2,493,043
SHIP'S COMPASS MOUNTING
Edward E. Stipsky, United States Navy, Hooper, Nebr.
Application July 25, 1945, Serial No. 607,069
4 Claims. (Cl. 248—299)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



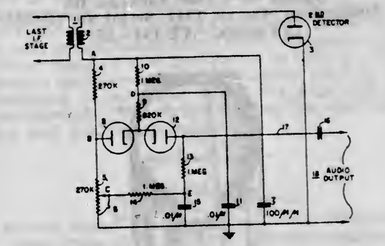
1. In a ship's compass mounting including a binnacle and a gimbal ring, a pair of supports on which said ring is pivotally mounted, a pair of seats associated with said binnacle, said supports and seats having cooperating surfaces disposed in a common cylindrical surface which is concentric with the axis of the compass card, said supports being adjustable in azimuth along said seats angularly to adjust the lubber's line of the compass without disaligning the pivotal connection between said ring and supports, and means for securing said supports in adjusted position in said seats.

2,493,044
DEFLECTION WAVE GENERATOR
Charles L. Thorne, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application June 22, 1946, Serial No. 678,579
4 Claims. (Cl. 250—36)



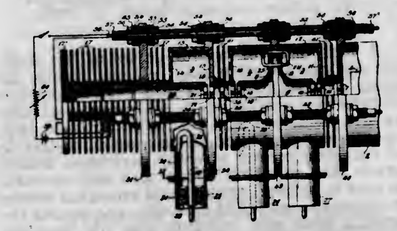
1. A relaxation oscillation generator for developing a saw-tooth current wave comprising, a vacuum tube having input and output circuits, means for regeneratively coupling said output and input circuits whereby to develop a substantially linear saw-tooth current wave having a relatively long trace interval and a relatively short retrace interval during each cycle, the respective trace and retrace portions of said saw-tooth current wave having slopes depending upon the ratio of the inductance to the resistance of said output circuit effective during the respective trace and retrace intervals of each cycle, and an oscillation damping resonant network coupled in parallel with said input circuit for reducing transient oscillations in said current wave.

2,493,045
FULL-WAVE NOISE-PEAK AND OUTPUT LIMITER
Emerick Toth, Takoma Park, Md.
Application September 23, 1947, Serial No. 775,601
5 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a radio receiver including a demodulator operative to develop both a direct current output proportional to the received signal intensity and a detected output signal; the combination of output means, means coupling the detected output of said demodulator to said output means comprising a pair of unilateral electron discharge devices connected in series opposition, and means differently biasing said discharge devices from the direct current output of said demodulator whereby both said devices are normally maintained conductive, but one or the other becoming non conductive in response to detected signals from said demodulator exceeding a predetermined amplitude.

2,493,046
HIGH-FREQUENCY ELECTROEXPANSIVE TUNING APPARATUS
Sigurd F. Varian and Edward L. Ginzton, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application August 3, 1942, Serial No. 453,482. Divided and this application July 13, 1944, Serial No. 544,730
20 Claims. (Cl. 315—6)



1.A high frequency tube structure comprising electronic means for producing an electron stream, a plurality of hollow resonators consecutively disposed along the path of said stream, said resonators having flexible wall portions to enable relative motion of opposite wall areas during the tuning of said resonators, and means for effecting gang tuning of said resonators comprising a single thermal strut coupled at different points along its length to each of said flexible wall portions of all said resonators, and heating means in said structure for heating said thermal

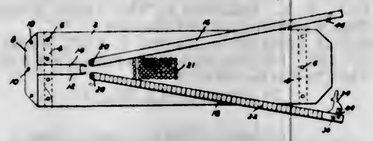
strut along its entire length to effect expansion and contraction thereof resulting in the deflecting of the flexible wall portions of said resonators and the gang tuning of the latter.

2,493,047
PNEUMATIC TIRE
James W. Waber, Chicago, Ill.
Application May 22, 1947, Serial No. 749,665
26 Claims. (Cl. 154—15)



1. A method of producing an inner tube for pneumatic tires comprising supporting an endless tubular vulcanizable body with its inner periphery displaced from its normal position and exposed in substantially flattened condition, applying an annular layer of unvulcanizable easily displaceable plastic composition to at least a portion of said exposed periphery, shifting said body until said inner periphery assumes its normal position, and curing the product thus formed.

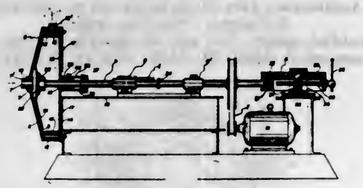
2,493,048
CARTRIDGE CLIP LOADING DEVICE
Ervin F Wangrow, Bingham, Ill
Application October 30, 1944, Serial No. 561,146
5 Claims. (Cl. 86—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cartridge clip loading device of the character described, comprising a base, means for holding a cartridge clip in said base, a movable arm pivotally connected to said base, cartridge engaging means on said base adjacent said arm, said arm being adapted to be moved relative to said engaging means whereby cartridges placed between said engaging means and said movable arm may be aligned against said engaging means in a single row adjacent said clip, and means cooperating with said movable arm for inserting the aligned cartridges into the clip.

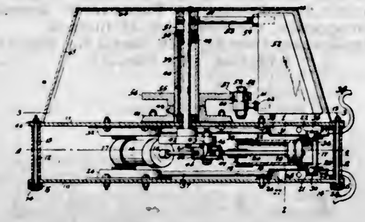
2,493,049
ORE SCRUBBING APPARATUS
Arthur J. Weinig, Golden, Colo., assignor to Vanadium Corporation of America, Bridgeville, Pa., a corporation of Delaware
Application July 2, 1945, Serial No. 602,897
15 Claims. (Cl. 241—102)

1. In ore scrubbing apparatus of the type in which an ore pulp is continuously moved in and out of a container and subjected to a scrubbing action therein, the improvement which comprises a container having an interior conical pulp-contacting surface, a rotary disc formed of an elastoplast material so as to be capable of deforming movement and supported adjacent its center and with its remaining peripheral portion freely suspended and positioned in proximate and substantially parallel relation to said pulp-contacting surface of the container, said pulp-contacting surface being inclined at a distinct angle



to the plane of rotation of said disc and positioned for contact with said rotary disc during rotation of the disc, there being a feed-delivery opening through one of said contacting surfaces adjacent its center for the introduction of an ore pulp between said surfaces, and mechanism arranged to drive said rotary disc so as to cause it to distort and tend to shift its adjoining surface to approach contact with said pulp-contacting surface and thereby encompass a major portion of the surface of each particle passing between said material-contacting surfaces.

2,493,050
GRAVITY ACTUATED BOAT PUMP
Chester I. Weir, Buffalo, N. Y.
Application October 24, 1946, Serial No. 705,405
10 Claims. (Cl. 103—71)

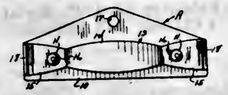


1. An automatic boat pumping apparatus comprising a main frame, an upright shaft rotatably mounted on said frame, a water pumping device operatively connected with said shaft and adapted to be actuated thereby, and means for turning said shaft including a pendulum weight arranged on one side of said shaft and adapted to turn by gravity with the shaft as the latter is tilted relative to the horizon, an arm connecting the upper part of this weight with said shaft, and separate guide means for positioning said weight relative to said shaft while rotating therewith including a stationary guide plate having a radially outward facing circular track on its periphery which is concentric with the axis of said shaft, and retaining means mounted on the lower part of said weight and movable circumferentially in engagement with said track.

2,493,051
INCREASING FILTERABILITY OF MAGNESIUM HYDROXIDE
Teynham Woodward, Los Altos, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
Original application October 2, 1944, Serial No. 556,756. Divided and this application June 11, 1945, Serial No. 598,859
5 Claims. (Cl. 23—201)

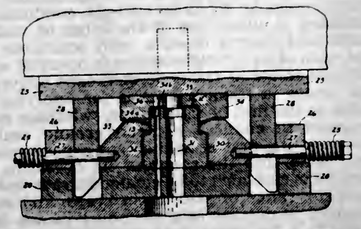
1. The method of treating difficultly filterable magnesium hydroxide to increase the filterability thereof, which comprises the steps of subjecting a sludge of magnesium hydroxide to the action of carbon dioxide and carbonating a small amount only of the sludge, thereby increasing the filterability, and filtering the resultant sludge.

2,493,052
PAPER CLIP
Harold C. Yale, Pasadena, Calif.
Application February 16, 1945, Serial No. 578,266
1 Claim. (Cl. 129—4)



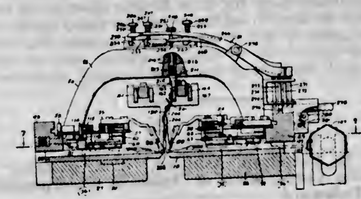
A frontal piece for a clip comprising a strap-like bridging member having an upwardly arched springy medial portion, reversely sloping lateral gripping portions, upwardly directed presser ears on said gripping portions having inturned upper ends and elongated openings in said gripping portions intermediate of said medial portion and said presser ears for attaching said frontal piece to the clip.

2,493,053
METHOD OF MAKING PULLEYS
Frank Zatyko, Cleveland, Ohio
Application August 9, 1947, Serial No. 767,670
3 Claims. (Cl. 113—51)



1. The method of forming a V-belt pulley from sheet metal comprising the steps of forming from a blank of said metal a seamless flanged cup having a wall of substantially uniform thickness, the flange on said cup constituting a first flange of a V-belt groove and being formed at an obtuse angle to the wall of said cup; simultaneously transmitting an axial compressive force along said cup wall and applying an outward transaxial force to an annular portion of said cup wall to form an annular bulge in the wall of said cup above said flange, said axial and transaxial forces being simultaneously exerted while confining said first flange, the edge thereof, and an annular portion of said cup wall intermediate said flange and said bulge, said bulge taking up an axial length of the wall of said cup substantially equal to twice the length of said first flange; and, while confining said first flange, the edge thereof, and said intermediate annular wall portion, subjecting the annular portion of the bulge which is remote from said first flange to a force pressing said remote portion toward said flange and simultaneously subjecting the annular portion of said bulge adjacent said first flange to a force opposing that applied to said remote portion in order to fold said bulge along a median annular fold line and to form a second flange at an acute angle to said cup wall, said acute angle to said second flange being complementary to the obtuse angle of said first flange to form a V-belt groove, said groove being accurately sized by the confining of said first flange, its edge and the intermediate wall portion during the said bulging and folding operations.

2,493,054
KNITTING MACHINE
Michael Zimic, New York, and Anton Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic
Application September 13, 1945, Serial No. 615,936
5 Claims. (Cl. 66—127)

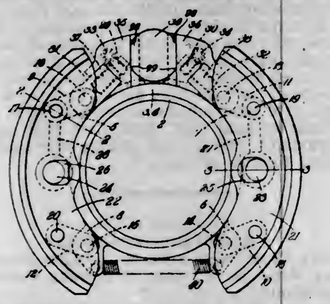


2. In a knitting machine having a bed and a movable carriage a yarn selector comprising: a plurality of yarn carrier bars; a yarn bar support; a yarn guide on each of said bars; said bars being movably mounted on said machine for movement in the same directions as the carriage is movable; and means to detachably interconnect said carriage and one of said yarn carrier bars, said means comprising a plurality of reciprocating pins on said carriage, one for each carrier bar; a projection on each of the yarn carrier bars, any one of said pins being engageable behind the projection of one respective bar, in the direction in which the bar is moved; and a plurality of cams mounted by means allowing lateral adjustment with respect to said yarn bar support and adapted to elevate said pins out of engagement with said projections when said bars are moving in one direction, said last mentioned means including a screw element; said cams being pivotally mounted and adapted to swing out of the way of the pins when said pins are traveling in an opposite direction as they are moved along by the carriage.

2,493,055
INTERNALLY EXPANDING BRAKE
Emil Zipper, Santa Monica, Calif.; vested in the Attorney General of the United States
Original application May 20, 1940, Serial No. 336,290. Divided and this application May 29, 1945, Serial No. 597,341. In Great Britain May 23, 1939
6 Claims. (Cl. 188—78)

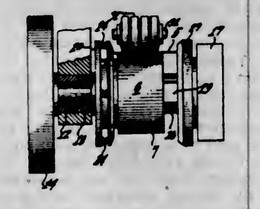
1. A brake apparatus comprising a stationary wheel hub, brake shoes mounted concentrically about said hub, at least one rotatably mounted ring means surrounding the wheel hub, combination load multiplying and motion devices connecting the ring means to the brake shoes where-

by rotary movement applied to the ring means imparts outward motion to said shoes to apply the braking force, said devices including a pair of circumferentially spaced cam blocks sliding in corresponding slots for connecting the ring to the shoes, a fixed guide pin for each shoe, and a



link connecting said pin to said shoe, the point of connection of the link to the shoe lying outwardly of and in advance of the fixed guide pin to produce a servo effect, and means for confining the shoes to limited radial and circumferential movement when in braking position.

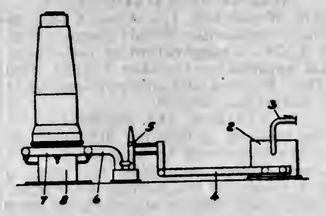
2,493,056
FILM POSITIONING DRUM
Sten E. Bartelson, Ashland, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1946, Serial No. 700,062
7 Claims. (Cl. 271—2.3)



1. A film drive mechanism comprising a sprocket adapted to advance film, a shaft, a drum fixed to said shaft and adapted to have film pulled thereover by said sprocket, a flange mounted adjacent one end of said drum and adapted to be rotated by film pulled over said drum, and a movable flange mounted on said drum, said flange being resiliently urged toward said first mentioned flange, the rotational axes of said first mentioned flange and said drum being separated and parallel.

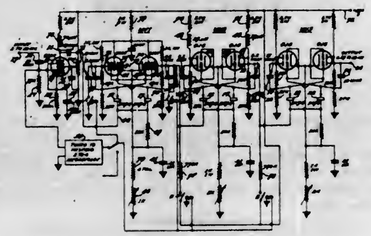
2,493,057
BLAST PREHEATER
Rune Biligren, Fagersta, Sweden
Application October 23, 1947, Serial No. 781,521
In Sweden February 1, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 1, 1966
4 Claims. (Cl. 219—39)

1. A blast-preheater comprising a low temperature part for thermically preheating blast-air up to 400 to 600° C., and a high temperature part separate from the low temperature part, said high temperature part having electro-thermic



means for heating said blast-air in said high temperature part to a temperature above 600° C.

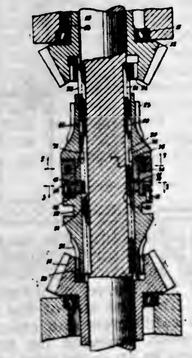
2,493,058
FREQUENCY DIVIDER
Warren H. Bliss, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1947, Serial No. 731,670
4 Claims. (Cl. 250—36)



1. The combination of means including a driver stage for delivering input pulses of a frequency varying over a predetermined range, a plurality of divider stages each including a pair of electron discharge elements having their anodes and grids cross-connected so that current conduction is stabilized in either one or the other of said elements and having circuits with constants such that each of said divider stages is operable over a different range of frequencies, means connecting said stages in tandem, means for applying said pulses to the first of said stages, switching means arranged to connect between ground and the anodes of the first of said stages capacitances of such value that the range of its operating frequencies is extended to be commensurate with the operating range of said driver stage, and means arranged to operate said switching means in response to a predetermined frequency.

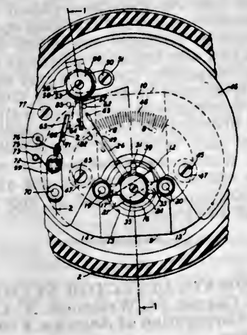
2,493,059
CLUTCH AND LOCKING DEVICE THEREFOR
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application March 1, 1945, Serial No. 580,345
14 Claims. (Cl. 192—21)

1. In a clutch construction, in combination, a driving shaft, a driven gear, a coupling member keyed to said shaft to turn therewith and be movable therealong into a driving position and an uncoupled position, and a locking member engageable with said shaft, movable with the coupling member and positionable by relative rotational movement with respect to said coupling member about the axis thereof to hold the coupling member against movement along the shaft



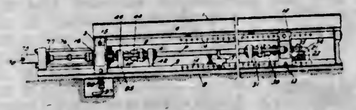
in both the driving position and the uncoupled position.

2,493,060
ELECTRICAL CONTROL DEVICE
Arthur W. Daschke, Huntington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1946, Serial No. 719,344
1 Claim. (Cl. 200—56)



A control device comprising a measuring instrument having a first contact, a movable contact, an arm to which said latter contact is secured, a spindle on which said arm is supported, jewel bearings in which said spindle is journaled, a back-stop for said arm, a hair-spring for normally holding said arm against said back-stop, a moving system having a member engageable with said arm for moving it against the tension of said spring towards said first contact, one of said contacts being of magnetic material and the other being a magnetized body operative to attract said magnetic material contact when said member moves said movable contact into a predetermined position with respect to said first contact, a pivoted lever on which said first contact is mounted, a resetting knob operative into clutching engagement with said lever whereby said lever may be turned by said knob to move said first contact to break its magnetic engagement with said movable contact, and a spring for restoring said first contact to its normal position.

2,493,061
HYDRAULIC PIPE TESTING MACHINE
John U. Devine, Struthers, George T. Radford, Youngstown, and Martin S. Gettig, Poland, Ohio
Application July 23, 1946, Serial No. 685,710
9 Claims. (Cl. 73—37)



1. In a machine of the class described, a fixed head assembly comprising a plunger axially movable therein and having a cylindrical cavity, means for moving the plunger axially, pipe receiving and clamping means movable with the plunger, the plunger being provided with a passage interconnecting the cavity and the interior of a pipe when an end thereof is positioned in said pipe receiving and clamping means, a ram reciprocable in said cavity, means for introducing a testing fluid into the cavity and the pipe, control means for reciprocating the ram in the cavity at any position of the plunger in the assembly, means for receiving and clamping the opposite end of a pipe, and means for holding the second mentioned receiving and clamping means in fixed axial relation to said fixed head assembly whereby when the pipe is received in and clamped by each said receiving and clamping means and filled with testing fluid it may be subjected to longitudinal stress by movement of the plunger in the head and to internal fluid pressure by movement of the ram in the cavity.

2,493,062
PROCESS OF DEHYDRATING PEAS
Earl W. Flosdorf, Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application July 5, 1946, Serial No. 681,593
1 Claim. (Cl. 99—199)

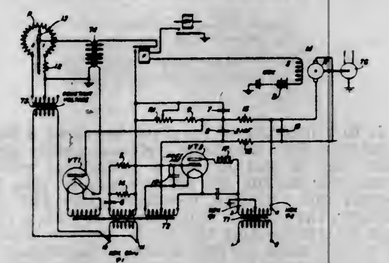
The process of producing dried peas which on the addition of water reconstitute to the substantial equivalent of fresh peas which comprises removing water from individually discrete frozen peas by the use of a high vacuum.

2,493,063
SAUSAGE
Joseph J. Frank, Union, and James C. Macy, Elizabeth, N. J., assignors to Hercules Fasteners, Inc., a corporation of New Jersey
Continuation of application Serial No. 651,916, filed March 4, 1946. This application filed October 13, 1948, Serial No. 54,346
8 Claims. (Cl. 99—176)



1. The method of sealing a flexible casing that comprises pleating the collapsed end of the casing, passing a barrel fastener over the gathered pleats, and crimping the fastener into firm and sealing contact therewith.

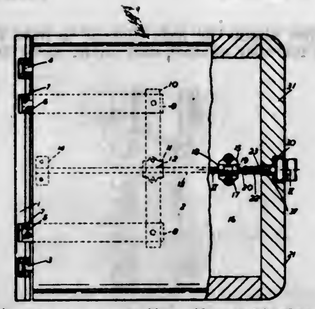
2,493,064
MOTOR-CONTROL CIRCUIT
Charles E. Germanton, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1944, Serial No. 542,983
7 Claims. (Cl. 318—345)



1. A motor-control circuit comprising a motor having a rotor circuit and a stator circuit, a first source of alternating current, an electronic device having its anode potential supplied from said source in series with said rotor circuit, a second source of alternating current, means for applying potential from said second source to the grid of said device leading and opposite in phase with respect to said anode potential for biasing said grid, means for rectifying potential from said second source and superimposing it upon said alternating current biasing potential, means for modifying the direct current component of said biasing potential in accordance with a signal condition, a first condenser of small capacitance connected between the cathode and the grid of said electronic device for absorbing high frequency interference, a second condenser of large capacitance connected across the rotor circuit of said motor whereby when said motor is being impulse driven by said electronic device said latter condenser is maintained charged and means for applying the charge potential on said latter condenser to said electronic device in opposition to potential surges from said motor following the cessation of the transmission of driving impulses through the rotor circuit thereof.

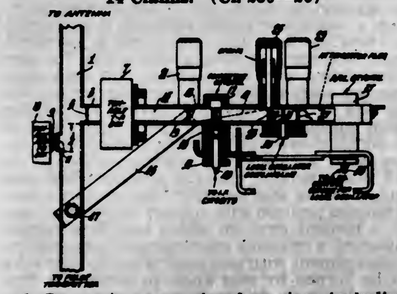
2,493,065
LOOSE-LEAF BINDER
Alfred Gilbert, London, England
Application July 31, 1946, Serial No. 687,266
In Great Britain April 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 4, 1965
3 Claims. (Cl. 129—41)

3. A loose leaf thong binder comprising a pair of relatively adjustable covers between which a bundle of loose leaves may be clamped, a cross bar mounted adjustably within one of the said binder covers, at least two spaced thongs attached at one end to said cross bar and, at the other end, to the other of said covers, a bearing within the same cover as the said cross bar, a rotary screw mounted in said bearing within the same cover parallel to the major outer surfaces of this cover and said screw being restrained against axial movement in said bearing, a nut screwed onto said screw and also attached to said cross bar for movement therewith, an operating lever for rotating the said screw to produce axial movement of the said nut with respect to the screw for binder cover adjusting purposes, a sleeve mounted upon one end of said screw, pin



and slot means connecting the said sleeve to the said screw for unitary rotation therewith whilst permitting relative axial movement between the screw and sleeve, a headed pin projecting coaxially from the end of the said sleeve remote from the said screw and extending outwardly into a recess provided for housing the said operating lever in an outer edge of the binder cover containing the said screw, said operating lever being rotatably and axially adjustably mounted on the said headed pin between the head of the latter and the said sleeve and being capable of being housed in the said recess in the recessed binder cover, clutch teeth on the inner side of the said lever, clutch teeth on the outer end of the said sleeve and adapted to co-operate with the clutch teeth on the operating lever and a compression spring disposed between the head of said headed pin and the base of an axial recess provided in the said operating lever, for urging the said co-operating clutch teeth into interengagement, whereby the said operating lever is normally drivingly connected to the said screw in all axially adjusted positions of the said sleeve with respect to the screw but whereby the operating lever may be disengaged from the said sleeve for independent rotational adjustment to enable the operating lever to be moved for stowage in the said recess in the recessed binder cover and within the thickness of such cover even if the operating lever does not occupy such a stowed position at the end of any particular operation of the lever.

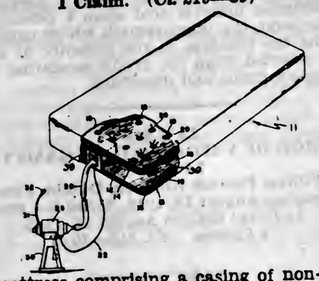
2,493,066
MICROWAVE DETECTOR NETWORK
Thomas M. Gluyas, Jr., Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 24, 1945, Serial No. 606,806
14 Claims. (Cl. 250—20)



1. In a microwave signal receiver including a signal detector, means for connecting to a source of heterodyning signals and a second detector

for deriving automatic frequency control potentials, the improvement comprising a waveguide having said heterodyne signal connecting means coupled to a portion thereof intermediate its ends, separate tunable means coupled to said waveguide for coupling said detectors from opposite directions through said waveguide to said heterodyne signal means, means for introducing signals to be received into both ends of said waveguide for separately applying said received signals to said detectors and means for effectively isolating both of said signal introducing means from said heterodyne signal connecting means.

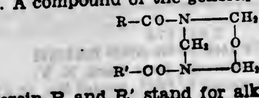
2,493,067
MATTRESS
Louis J. Goldsmith, New York, N. Y.
Application September 8, 1945, Serial No. 615,118
1 Claim. (Cl. 219—39)



A mattress comprising a casing of non-porous material open at its top, top and bottom pads of non-porous material arranged in said casing and coacting therewith to provide an air compartment, a porous covering for the top pad, said top pad having a series of air outlet openings arranged therein for affording communication between the air compartment and the porous covering, an an electric air heating and propelling means arranged in the air compartment.

2,493,068
N,N'-DIACYL-TETRAHYDRO-1,3,5-OXADIAZINES
Madison Hunt, Claymont, and Harris Walton Bradley, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 14, 1946, Serial No. 716,438
4 Claims. (Cl. 260—244)

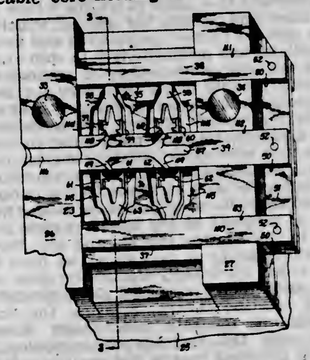
1. A compound of the general formula



wherein R and R' stand for alkyl radicals having 8 to 30 carbon atoms.

2,493,069
APPARATUS FOR MOLDING CORED ARTICLES FROM HOT RUBBER AND THE LIKE
Carl H. Judisch, Hamden, Conn., assignor to The Whitney Blake Company, Hamden, Conn., a corporation of Connecticut
Application July 2, 1946, Serial No. 680,826
8 Claims. (Cl. 18—42)

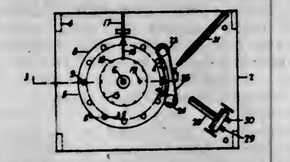
7. An apparatus for molding cored-out articles from hot elastic material and which articles have interior recesses of the type requiring the stretching of the material after molding in order to effect their separation from cores, the said apparatus including in combination: a first mold-member provided with two spaced-apart series of molding-cavities and also provided with an intermediate holder-receiving recess located between and laterally intersecting the two said series of molding-cavities, the said first mold-member also being formed with two side holder-receiving recesses respectively positioned on the sides of and laterally intersecting its two said series of molding-cavities opposite the said intermediate holder-receiving recess; a second mold-member also provided with two spaced-apart series of molding-cavities respectively registering with the two series of molding-cavities in the said first mold-member, the said second mold-member also being provided with an intermediate holder-receiving recess located between and laterally intersecting its two said series of molding-cavities, the said second-mold member being further provided with two side holder-receiving recesses respectively positioned on the sides of and laterally intersecting its two said series of molding-cavities opposite its said intermediate holder-receiving recess; an intermediate removable and replaceable core-holding member formed sepa-



rately from the said mold-members and engageable with and disengageable from the said intermediate holder-receiving recesses; two series of cores organized with and respectively projecting from opposite sides of the said intermediate core-holding member into the two series of molding-cavities of each mold-member; a pair of removable and replaceable side core-holding members formed separately from the said mold-member and the other said member and respectively engageable with and disengageable from the two side holder-receiving recesses of each mold-member; one of the aforesaid members being provided with a main feed-channel for the injection of hot plastic material into the said molding-cavities and with a plurality of constricted secondary feed-channels leading from the said main feed-channel respectively into the said molding-cavities; and a series of cores organized with and projecting from each of the said side core-holding members into the said two molding cavities of each mold-member toward and into cooperating relationship with the respective series of cores of the said intermediate core-holding member; the cores of the said series of cores being shaped to require the stretching of the molded articles to effect their separation from the said cores; whereby, after the molding operation, the three said core-holding members to-

gether with their respective cores and the newly-molded and interconnected cored-out articles may be jointly removed as a unit from the said mold-member and set aside until the articles have sufficiently set to permit their separation from the said cores without injury.

2,492,070
MACHINE FOR SEALING AMPOULES AND THE LIKE
James F. Kahlenberg and Herman H. Kahlenberg, Sarasota, Fla.
Application November 24, 1947, Serial No. 787,654
16 Claims. (Cl. 49—7)



1. A machine for sealing ampoules, of the class in which a rotatable carrier conveys the partly filled ampoules to a point of sealing where a heat means fuses and permits the sealing; which comprises a circular carrier constructed and arranged to be initially and primarily free to spin and turn without restraint while empty of ampoules provided with pockets in its periphery for holding the ampoules in a vertical position, a heat means to which the carrier conveys said ampoules for sealing a single, rotating means for simultaneously by the one single rotating means free of any extra mechanism rotating the ampoules by direct contact of said means with the outer surface of an ampoule or ampoules contained in that portion or segment of the carrier which is contiguous to the heating means, and also through the instrumentality of said ampoules then being rotated which frictionally engage the sides of the pockets, and which are carried along by and with the said rotating means, rotating the carrier itself without separate mechanism therefor, whereby only the ampoule or ampoules contiguous to the heat means and sealing point are rotated, and whereby the said carrier is rotated only at the time when it contains ampoules therein; and means for momentarily stopping the carrier when an ampoule, desired to be sealed is directly at the sealing point, and thereby applying whatever power of the rotating means has been theretofore rotating both the ampoule and the carrier, into faster or stronger rotation of the ampoule while being submitted to the heat means, for greater uniformity and ease of sealing.

2,493,071
SULFUR-CONTAINING CARBOXYLIC ACID ESTERS
John David Kendall and Harry Derek Edwards, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application August 2, 1946, Serial No. 687,939. In Great Britain August 17, 1945
8 Claims. (Cl. 260—327)

1. Process for the production of organic compounds which comprises reacting carbon disulfide with a dry alkali-metal derivative of a reactive methylene compound of the general formula:

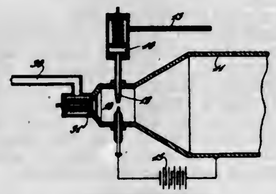
$$Q—CH_2—COOR_1$$

where Q is selected from the group consisting of —$COOR_2$, —COR_3 and —CN, and R_1, R_2, and R_3 are hydrocarbon groups, under substantially anhydrous conditions in an inert medium and reacting the resulting reaction product with an alkylating agent taken from the group consisting of alkyl halides, dialkyl sulfates, alkyl-p-toluene sulfonates, alkylene dihalides, benzyl halides, benzyl sulfates and chloracetic acid alkyl esters.

2,493,072
PRODUCTION OF IMPROVED THIOINDIGO PIGMENTS
Donald Bernard Killian, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1947, Serial No. 733,200
7 Claims. (Cl. 260—332)

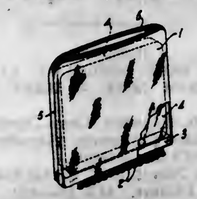
1. In the process of preparing a thioindigo coloring matter by reacting with a dehydrating and oxidizing mineral acid upon a phenyl-thioglycollic acid, the improvement which consists in effecting the reaction in the presence of a compound selected from the group consisting of organic mercaptans and disulfides.

2,493,073
METHOD OF VAPORIZING OR GASIFYING LIQUIDS
William Patrick Kinneen, Dublin, Eire
Application August 10, 1946, Serial No. 689,766
In Great Britain August 14, 1945
3 Claims. (Cl. 219—40)



1. Apparatus for vapourising or gasifying a liquid capable of conducting an electric current by passing an electric current of sufficient intensity to vapourise or gasify the liquid through the same comprising a gasifying head including at least one tubular nozzle of conducting material to which the liquid to be gasified is fed, and at least one electrode disposed opposite said nozzle, together with means for establishing a sufficient potential difference between said nozzle and said electrode.

2,493,074
COMPACT HOLDER AND BRUSH
Alexander Korody, New York, N. Y.
Application November 8, 1948, Serial No. 58,874
7 Claims. (Cl. 132—79)



3. An article of manufacture, a compact cover of flexible sheet material folded about a tuft-anchoring block and having the side edges of one half of said sheet bound to those of the other half, thereby to form an envelope for the compact, said block being at the bottom of the envelope and the top edges of the envelope being separable for inserting and removing the compact, and a plurality of bristle tufts embedded in sockets in said block and having their free ends extending through holes in said sheet material, thereby to constitute a brush for which the envelope constitutes the handle.

2,493,075
SETTING AND EXPANDING AGENTS FOR RESINS
William A. La Lande, Jr., Upper Darby, and Harry Green, Philadelphia, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 24, 1946, Serial No. 699,088
14 Claims. (Cl. 260—2.5)

1. A method for setting a fluid acid-settable resinous reaction mixture to solid form, which comprises employing as the setting agent a catalytic amount of a compound whose formula is

$$R—O—\overset{O}{\overset{\|}{C}}—X$$

wherein X represents a halogen atom and R is an organic radical that does not prevent hydrolysis of the compound to form a hydrogen halide.

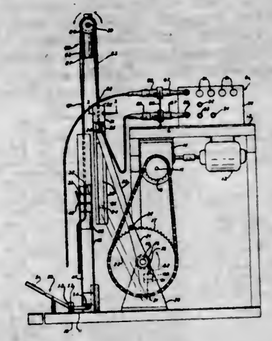
2,493,076
ARGENTOUS RECTIFIER
Meyer Lazarus, Forest Hills, N. Y.
Application April 23, 1948, Serial No. 22,800
2 Claims. (Cl. 175—366)



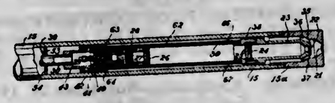
1. As an article of manufacture an argentous rectifier for alternating currents comprising a base of copper, a rectifying layer of metallic silver and fused cuprous oxide, the silver particles being unevenly distributed in the layer, the portion of the layer which is nearest to the copper base having therein a larger proportion of silver particles and the portion of the layer which is further away from the copper base having therein a lesser proportion of silver particles, and a contacting terminal on the face of the rectifying layer which is remote from the copper base.

2,493,077
CABLE SPLICE TESTING APPARATUS
Clay E. Lewis, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 17, 1946, Serial No. 641,849
1 Claim. (Cl. 73—91)

An apparatus for testing cable splices of multiconductor cables, which comprises an upright support, a crosshead guide mounted on the support, a crosshead slidably positioned in the crosshead guide, a crank, means for connecting the crosshead to the crank, a motor for rotating the crank, a weight guide mounted in an upright position at the base of the upright support, a weight slidably positioned in the weight guide, a pulley rotatably mounted on the upper end of the upright support over which a spliced cable to be tested may be looped so that a splice therein is adjacent to the pulley, quickly operable means for connecting a portion of the cable on one side of the splice to the crosshead, quickly operable means for connecting a portion of the cable on the other side of the splice to the weight, manually operable means for lifting the weight above the bottom of the guide when the cable is connected thereto so that the weight is supported by the cable when the lifting means is released and thereby tensions the cable splice, means for energizing the motor to drive the crank and thereby draw the splice back and forth around the pulley under the tension of the weight, a cam driven by the crank, and means operable by the cam for stopping the motor after the cable splice is drawn back and forth over the pulley a predetermined number of times.

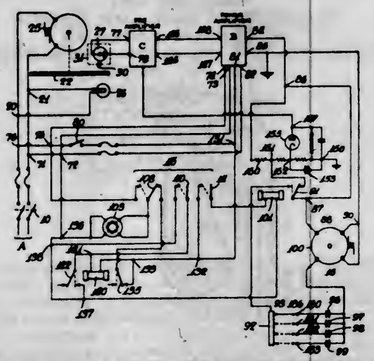


2,493,078
IMMERSION UNIT FOR RADIATION PYROMETERS
Harold G. Mead, Bronxville, N. Y., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 20, 1945, Serial No. 611,515
5 Claims. (Cl. 136—4)



2. In a radiation pyrometer system for measuring the temperature of molten metal, the combination of an outer tubular member having an open end to be immersed in the molten metal during measurement of the temperature thereof, said member adjacent its open end having a spherical internal bearing surface, an inner tubular member slidably supported within said outer tubular member and having an open end with an external bearing surface complementary to said first-named spherical bearing surface, a radiation-responsive device supported within said inner tubular member remote from open end thereof to view molten metal through said open ends of said members, and resilient means for biasing said spherical bearing surfaces one against the other to maintain said openings in coaxial alignment with said responsive device despite distortion of said outer tubular member.

2,493,079
MOTOR SPEED CONTROL
Chester Mott, Evanston, and Alfred F. Chouinard, Chicago, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Original application April 4, 1944, Serial No. 530,874. Divided and this application February 16, 1944, Serial No. 522,566
7 Claims. (Cl. 318—313)



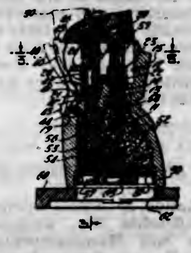
1. Method of controlling the speed of a synchronous driving motor having a capacitor starting winding and a running winding, which includes the steps of generating periodic current pulsations at a single, constant, preselected frequency corresponding to the desired speed of the motor; amplifying said current to a value sufficient to operate said motor; delivering the amplified current initially to both the starting and running windings of the motor at the preselected frequency; automatically controlling the voltage of the amplified current in proportion to the preselected frequency; and automatically disconnecting the starting winding when the motor reaches a speed sufficient to permit it to continue synchronous operation at the speed corresponding to the frequency of the amplified current.

2,493,080
FREE-FLOWING FOOD COMPOSITIONS
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 27, 1944, Serial No. 565,409
9 Claims. (Cl. 99—153)

1. A method of producing a food composition which comprises adding to and thoroughly admixing with a substantially dry food composition a fat solvent and then removing the fat solvent by volatilization.

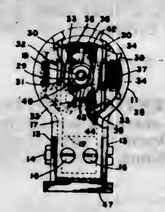
2,493,081
TABLE LIGHTER
Harry Negbaur, New York, N. Y., assignor to Harry Negbaur and Dorothy B. Negbaur, doing business as H. Negbaur & Co., New York, N. Y.
Application September 17, 1948, Serial No. 49,679
4 Claims. (Cl. 67—4.1)

3. In a pyrophoric lighter, a body adapted to house the usual wick, flint wheel and flint wheel operating mechanism, the body having a vertically extending slot and provided near the lower end of the slot with laterally extending bearing grooves, a latch lever recessed in the slot and having pintle bearings in the grooves, an expansion spring between the body and the lower end of the lever, a fitting secured to the body and



having a portion overlying the pintle bearings to secure the latch lever in place, and a flint wheel operating cap pivoted to the fitting spring biased toward open position and engageable with the latch lever when closed.

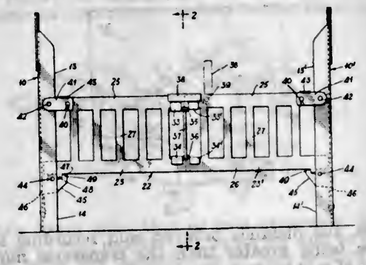
2,493,082
ELECTRIC MOTOR
Charles Nehrke, New York, N. Y.
Application April 23, 1947, Serial No. 743,360
2 Claims. (Cl. 172—36)



1. An electric motor comprising a base member, a permanent magnet secured in said base member, an upright bearing element secured to the said base member, a second upwardly extending bearing element secured to the said base member, a rotor having a multiplicity of coils mounted in said upwardly extending bearing elements, a commutator upon said rotor, commutator contact members removably mounted upon one of said bearing elements and means removably attached to said bearing adapted to make connection with an electrical source, the said commutator members being fulcrumed upon carrier plates removably mounted upon said bearing element.

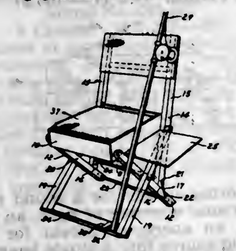
2,493,083
COLLAPSIBLE BED, CRIB, AND THE LIKE
Alex Pascoe, Bronx, N. Y.
Application March 15, 1947, Serial No. 734,919
14 Claims. (Cl. 5—99)

1. A collapsible bed of the character described comprising two similar head and foot members, side rails, means horizontally hingedly coupling the lower end portions of the side rails with lower side portions of said members, each side rail comprising a pair of rail parts vertically hingedly coupled centrally thereof, means maintaining the separate parts of each side rail in alinement with each other, means detachably coupling upper end portions of the side rails with said members when said rails are in raised position, a mattress supporting element coupled with lower portions of said rails and said members, and said first named means including pivot means for swinging the



rail parts to a vertical position whereby said rail parts and said mattress supporting element lie between the head and foot members.

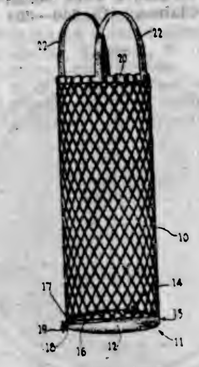
2,493,084
COLLAPSIBLE BEACH FISHERMAN'S CHAIR
William E. Pharo, Maplewood, N. J.
Application February 4, 1947, Serial No. 726,404
3 Claims. (Cl. 155—123)



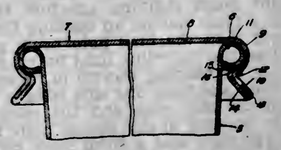
1. A beach fisherman's chair comprising hingedly connected foldable front and rear leg, back and seat members, said rear leg members being pivoted to the edge of the seat at the front part thereof, said back member being pivoted to the edges of the seat at the rear part thereof, said front and rear legs pivotally connected to each other at an intermediate part thereof, the upper ends of said front legs being pivotally connected to the backrest at an intermediate point thereof below said seat, the lower end of said backrest being connected to said rear legs at the lower end thereof and a bait board slidably mounted beneath said seat member and withdrawable to a position interlocking with the upper ends of the leg members to prevent collapsing movement of the chair structure.

2,493,085
COMBINATION POUCH SHOPPING BAG
Sidney L. Pincus, Brooklyn, N. Y.
Application January 10, 1946, Serial No. 640,251
1 Claim. (Cl. 150—1.7)

A combination pouch shopping bag comprising an axially elongated substantially hollow main body portion formed of relatively open-work net like fabric, a substantially annular upper mouth end marginal portion surmounting said main body portion and formed of relatively closely crocheted fabric, a pair of curved normally upstanding mutually spaced handles carried by said upper marginal portion and formed of similar fabric, a substantially circular floor member formed of relatively closely crocheted fabric and secured at its periphery to the lower extremity of said cylindrical hollow main body portion to form a floor thereof, a second substantially circular member of size, shape, and fabric similar to that of said first circular floor member, means continuously securing said first and second circular members together along their perimeters in face to face position along an arc of more than about 180 degrees but less than about 260 degrees, leaving said abutting perimeters of said circular members unsecured continuously together along an arc which is more than about 100 degrees and less than about 180 degrees, button and buttonhole means carried jointly upon said unsecured perimeters of said circular members for closing the open lower mouth thus formed, said lower mouth affording access to a lower chamber thus formed between said two circular members for the reception of articles therein, and whereby, upon opening and turning inside out, said lower chamber and inverting the same, and grasping the then upturned lower mouth sides thereof, said widely opened lower mouth is constructed and arranged as aforesaid, to receive, freely and without further expanding said lower mouth, the entire said main body portion, upper annular portion and pair of handles, whereupon said button and buttonhole means may be mutually engaged to close the said lower mouth thereupon, and whereby, upon disengaging said button and buttonhole means, and inverting said lower mouth, said contents thereof are free to fall by gravity force alone, out of said lower mouth until in extended positions relative thereto.



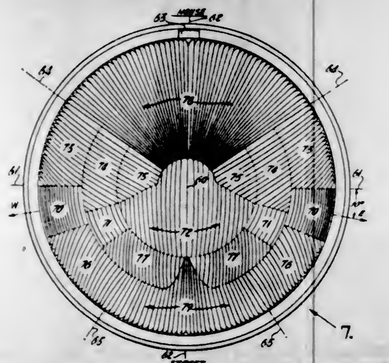
2,493,086
SNAP-ON-COVER
James D. Reifsnyder, Flushing, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application February 19, 1949, Serial No. 77,355
5 Claims. (Cl. 229—5.5)



1. A single piece paper cover comprising a top, and a depending flange having an inner concave portion and a skirt portion constituting a con-

tinuation of the lower edge of said concave portion, said flange having an outer ply constituting a continuation of said top and extending downwardly and outwardly and then inwardly and upwardly along the inner face of the outer ply and terminating along the inner face of said concave portion at a point spaced downwardly from said top a distance greater than one half the width of the concave portion.

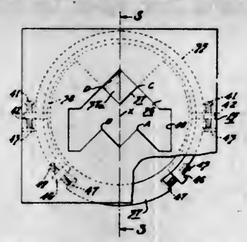
2,493,087
STREET LIGHTING LUMINAIRE
Thomas W. Bolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application February 2, 1949, Serial No. 74,139
15 Claims. (Cl. 240—25)



9. A prismatic refracting bowl of inwardly concave contour and occupying substantially 75° above the nadir in all azimuths, the bowl having a series of horizontal prisms occupying a vertical angle of substantially 38° and uniform refracting power to elevate parallel downwardly sloping rays in radial vertical planes into higher angles while maintaining parallelism and between the horizontal prisms and the nadir a series of prisms whose refracting power decreases from that of the first mentioned prisms to zero so as to spread light radiating from regions adjacent the center of curvature of the bowl up to the higher angled refracted light.

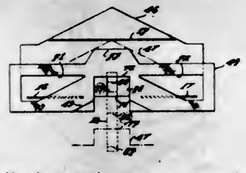
2,493,088
PHOTOGRAPHIC SOUND RECORDING APERTURE MASK
Lawrence T. Sachtleben, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 13, 1947, Serial No. 773,765
7 Claims. (Cl. 179—100.31)

4. A light beam defining aperture structure comprising a plate having an opening therein of a size larger than the final light beam aperture which defines the recording light beam, a second plate having an opening therein of a size larger than the final aperture, one side edge, a portion of the opposite side edge and the parallel end edges of the opening in said second plate forming said final aperture, and a third plate having an opening therein larger than said final aperture, a portion of the edge of the opening in said third plate forming the remaining side edge of said final aperture, said final opening defining a light beam having opposite W-shaped recording side



edges, the distance between said recording side edges being greater than the transverse movement of said beam during recording.

2,493,089
MONITORING SYSTEM FOR SOUND RECORDING
Lawrence T. Sachtleben, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1947, Serial No. 783,313
12 Claims. (Cl. 179—100.3)



1. A monitoring system for a sound recording system comprising a source of light, an aperture plate having an aperture therein for forming light from said source into a single beam, means for vibrating said beam of light passing through said aperture in said plate, a slit mask over which said light beam is vibrated, said slit mask having a plurality of separated elongated slits and an elongated slot therein, said slits and said slot being in the same plane, a film, means for directing light from said elongated slits to said film, an observation means, and means for passing light through said elongated slot to said observation means, said slot being positioned intermediate certain of said elongated slits.

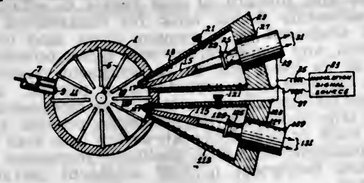
2,493,090
COMPOSITION OF MATTER
Robert S. Shelton, Mariemont, and Keith W. Wheeler, Wyoming, Ohio, assignors to The Wm. S. Merrell Company
No Drawing. **Application August 13, 1946, Serial No. 690,346**
3 Claims. (Cl. 260—348)

1. 2,3-alkyl substituted glycidamides where the alkyl substituents contain 1 to 3 carbon atoms.

2,493,091
FREQUENCY MODULATION SYSTEM
Robert L. Sproull, Ithaca, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 6, 1946, Serial No. 660,098
15 Claims. (Cl. 332—24)

1. The method of employing a bi-resonant circuit including a pair of electronic devices for

modulating the frequency of a radio frequency generator comprising coupling said circuit to said generator, tuning said circuit normally to frequencies respectively slightly higher than and

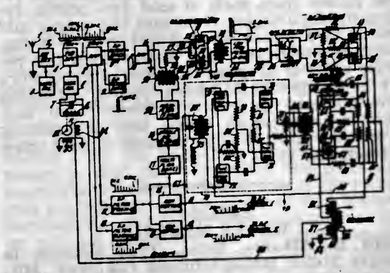


slightly lower than that of said generator, and varying at said modulation frequency and in opposite sense the conductance of said devices to vary the Q of said circuit and the frequency of said generator.

2,493,092
METHOD OF ELECTRODEPOSITING COPPER AND BATHS THEREFOR
Jesse E. Stareck, Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. **Application January 11, 1946, Serial No. 640,680**
2 Claims. (Cl. 204—52)

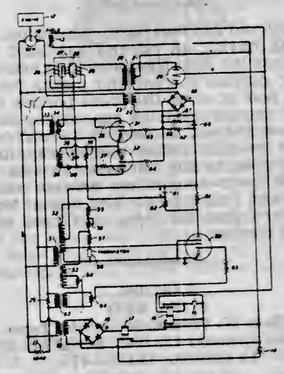
1. A method of depositing dense and adherent copper, consisting in passing electric current from an anode to a cathode-object immersed in an aqueous bath having a pH between 7.5 and 9.5, and a temperature between 70° F. and 160° F., and in which the bath consists essentially of 7.5 to 45 g./l. bivalent copper, 100 to 250 g./l. pyrophosphate (P_2O_7), 5 to 20 g./l. nitrate (NO_3) and 1 to 3 g./l. ammonia (NH_3).

2,493,093
RADIO RECEIVER SYSTEM
Harry Sussman, Little Neck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1946, Serial No. 650,954
7 Claims. (Cl. 250—9)



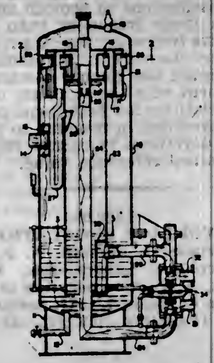
1. In a radio receiver of the type adapted selectively to detect signals in the form of single side band modulated carrier energy wherein the carrier is at least partially suppressed; the method which includes suppressing all frequency components of the detected modulated energy except those included in the single side band, generating local oscillations whose frequency is equal to the detected frequency representative of the suppressed carrier component frequency, beating the detected side band components with the local oscillations thereby to provide modulation frequencies corresponding to those originally applied to the carrier, said local oscillations being generated by generating stable oscillations of relatively low frequency and by frequency multiplying the stable oscillations to provide said local oscillations, separately frequency multiplying the stable oscillations to provide auxiliary oscillations of a lower frequency than said carrier-representative frequency, filtering from said modulated energy the carrier-representative component, combining the filtered carrier-representative component with the auxiliary oscillations to produce a relatively low beat frequency, and automatically correcting in response to said beat frequency for deviations in carrier frequency from a predetermined reference value.

2,493,094
VOLTAGE REGULATION
David E. Trucksess, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 7, 1947, Serial No. 727,041
11 Claims. (Cl. 322—19)



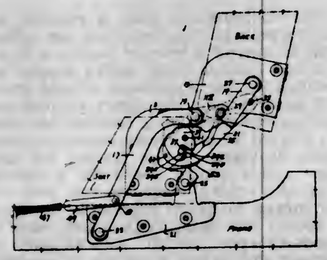
1. The combination with a current path to which current is supplied from an alternating current source, of a reactor having a first winding in said current path and a second winding for controlling the impedance of said first winding in accordance with direct current supplied to said second winding, a rectifier for supplying direct current to said second winding comprising a space discharge device having an anode, a cathode and a control electrode, a circuit connecting said control electrode and said cathode, a first means to which current is supplied from said source for impressing upon said control electrode-cathode circuit a transient voltage component only when a change of amplitude of the current supplied to said first means occurs to cause the impedance of said first reactor winding to transiently change in a direction to oppose the change of current supplied to said first means, and a second means to which current is supplied from said source for impressing upon said control electrode-cathode circuit a undirectional voltage component which varies in response to amplitude change of the current supplied to said second means to cause the impedance of said first reactor winding to change in a direction to oppose the change of current supplied to said second means, the response of said second means to changes of current supplied thereto being slow relative to the response of said first means.

2,493,095
OIL AND GAS SEPARATOR
Elmer R. Williams, Tulsa, Okla.
Application July 25, 1946, Serial No. 686,107
5 Claims. (Cl. 183—2.7)



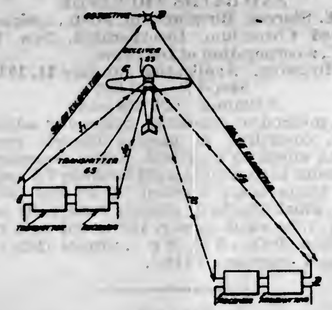
1. An oil and gas separator comprising, an upright tank having an oil and gas inlet thereto intermediate the ends thereof, a mist extractor in the upper portion thereof and means for maintaining a pool of oil in the lower portion thereof, said mist extractor having spaced gas inlet and outlet passageways, a conduit having one end connected to said outlet passageway and the other end open to and immersed in said pool of oil, an oil drain connection between said mist extractor and said conduit, and means for separately discharging oil from said pool and gas from said conduit.

2,493,096
SOFA BED
William W. Wilson, Memphis, Tenn.
Application January 13, 1945, Serial No. 572,592
11 Claims. (Cl. 5—47)



5. In a sofa bed including a seat section, and a back section hinged together, and means for shiftably supporting said sections; means at opposite ends of said sections effecting said hinging, each said hinging means comprising brackets secured respectively to said sections, and pivot means hinging said brackets together, an abutment pin carried by one of said brackets, a latch pivotally secured at one end to the other said bracket, said latch having a portion slidably supported by said abutment, said portion at its outer end curving arcuately upward and terminating in an outwardly facing seat, said latch continuing outwardly above said seat in excess of abutment width, and thence downwardly to establish an abutment engaging portion facing said seat; a trip pivotally secured to said latch substantially at the center of curvature of said portion, said trip center being below and rearward of its center of gravity, said trip being recessed below and forward of said center to establish a rearwardly facing hook for engagement by said abutment in movement along said latch portion, and rearwardly of said recess terminating at its lower end in an abutment receiving seat clearing said arcuate latch portion; and means for limiting opposite turning movement of said trip under gravity action, to position said trip hook or said trip seat, as the case may be, in abutment engaging positions responsive to shifting movement of said abutment carrying bracket.

2,493,097
POSITION FINDER
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 20, 1941, Serial No. 384,323
21 Claims. (Cl. 343—15)

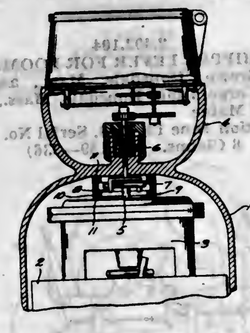


21. The method of determining an unknown position with respect to two known points by means of radio transmitting and receiving apparatus at said position which includes emitting pulses from said unknown position, receiving said pulses at said two points, retransmitting said received pulses from each of said two points, receiving distinguishably from said two points said retransmitted pulses at said unknown position, indicating alternately and distinctively the respective times of propagation from said unknown point to and from said known points, indicating alternately and distinctively fractions of said respective propagation times, and determining said unkown position as a function of said times and fractional times.

2,493,098
WATER METER
Norman H. Abrams, Waco, Tex., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 28, 1947, Serial No. 731,447
1 Claim. (Cl. 73—272)

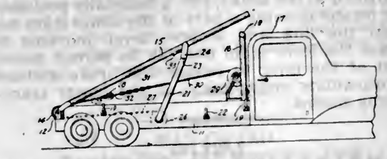
A water meter comprising a main meter housing enclosing a plurality of chambers separated by a wall having an aperture, a counter on one side of said wall, a metering chamber secured within said housing, a substantially closed transmission gear box mounted on the metering chamber and spaced from the wall of said housing on the side opposite the counter, a drive shaft extending from said gear box toward said counter, a driven shaft from the counter extending through

said wall aperture toward the gear box, a coupling for said shafts disposed outside the gear box and between it and the wall, and a lubricant retaining tubular resilient member closely encircling said coupling and clamped between said



gear box and said wall in sealing relation thereto, said coupling and said enclosing member being constructed to provide for minor misalignment and lateral offsetting of said gear box within the housing and of the respective shafts.

2,493,099
ELEVATING DEVICE FOR RAISING GIN POLES ON TRUCKS
Mozel A. Adams, Evangeline, La., assignor of one-half to Carroll V. Radke, Jennings, La.
Application October 10, 1947, Serial No. 779,067
6 Claims. (Cl. 214—77)



1. In a hoist truck, a pair of gin poles pivotally connected to the body of the truck at one end thereof and being transversely spaced with respect to said end, an elevated horizontal transverse bar member secured to the truck body adjacent the other end of said body, the ends of said transverse bar member being spaced inwardly from the respective vertical longitudinal planes of said gin poles when the poles are in horizontal parallel positions, means for elevating said gin poles above the plane of said transverse bar member, and cooperating cam means carried by said gin poles and the elevating means for moving the gin poles laterally inwardly onto said transverse bar member and out of engagement with said elevating means responsive to continued elevating movement of the gin poles to predetermined angles of elevation by said elevating means.

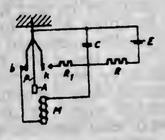
2,493,100
FISHING PLUG RETRIEVER
William N. Adams, Jr., Decatur, Ga.
Application December 12, 1947, Serial No. 791,435
2 Claims. (Cl. 43—30)

2. A fishing device comprising a frame having upper and lower annular bars, a series of spaced suspension devices secured to the upper bar, a series of clamping elements rotatably mounted on the lower bar intermediate the suspension devices and including clamping fingers radially extending toward the vertical axis of the device from the lower bar, and angularly disposed arms for the clamping fingers, said arms being adapted to engage the upper bar to limit the downward movement of the clamping fingers, the clamping fingers being relatively separable interiorly of the frame to pass over a fishing plug responsive to



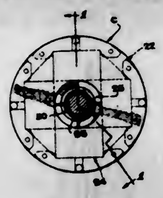
the lowering movement of the frame with corresponding movement of the said arms away from the upper frame bar, the clamping fingers shifting into clamping position against the plug responsive to the lifting movement of the frame, whereby the plug may be retrieved despite a snagging of the hook, and suspension cables attached to the suspension devices mounted on the frame for suspending the frame from a line.

2,493,101
REGULATING DEVICE FOR ELECTROMAGNETIC DRIVEN VIBRATORY PENDULUMS
Curt Fredrik Ahlberg, Appelviken, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application October 23, 1945, Serial No. 623,949
In Sweden November 18, 1944
3 Claims. (Cl. 172—126)



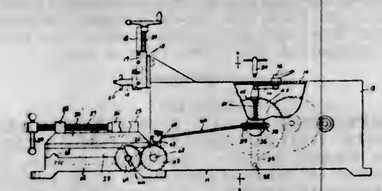
1. In combination, a vibratory pendulum, a controlled electromagnet for vibrating said pendulum, a condenser, a source of direct current, a resistor, a circuit containing said resistor and said source connected in parallel to a discharge circuit for said condenser including said electromagnet and a contact operated by said pendulum for alternatively energizing and deenergizing said electromagnet, a further contact included in a circuit containing said condenser and being adapted to be operated by said pendulum in one of its end positions, and to control the condition of charge of said condenser in dependence on the ratio between the time during which said further contact is closed and the time during which it is broken.

2,493,102
ROTOR FOR ELECTRIC MACHINES AND METHOD OF MAKING THE SAME
Maurice W. Brainard, Los Angeles, Calif., assignor of one-half to O'Keefe and Merritt Company, Los Angeles, Calif., a corporation of California
Application December 26, 1946, Serial No. 718,490
15 Claims. (Cl. 171—252)



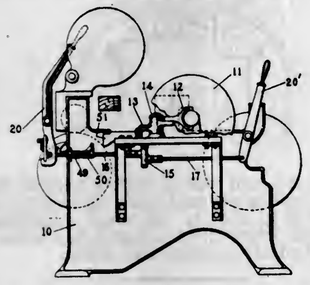
1. A rotor of the character described including, an annular cage formed of circumferentially spaced magnetic poles connected by non-magnetic couplers, magnets within the cage, and means urging the magnets outward into pressure engagement with the poles, each pole including a plurality of flat pole pieces arranged side by side and extending circumferentially of the rotor, each pole piece having a seat portion supporting a magnet.

2,493,103
SHAPING MACHINE
Henry C. Bramel, Toledo, Ohio
Application January 22, 1946, Serial No. 642,666
4 Claims. (Cl. 90—39)



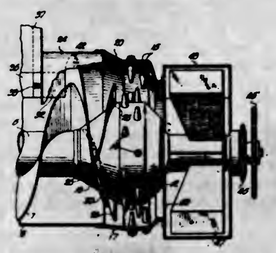
1. In a shaping machine including a reciprocable tool slide, a housing slidably mounting said slide and including a side wall, said slide comprising a top wall for said housing, means mounting a rotary drive member in said housing, a driven arm pivotally mounted at its lower end in said housing and pivotally connected at its upper end to said slide to drive the same; the improvement comprising said drive member being formed with a pair of diametral slots therein, a bar element, a laterally-directed arm, means mounting said arm on one end of said element, said arm including a portion slidable in one of said slots, said arm including an integral nut extending laterally beyond said drive member, said arm including an integral pointer extending laterally beyond said nut, a lug carried by the other end of said bar element and slidable in said other slot, a radially-directed screw carried by said drive member and threadedly engaged with said nut to adjust said nut and bar member radially of said drive member upon rotation of said screw, means operatively connecting said bar member to said drive arm to drive the latter and said slide upon rotation of said drive member, said screw being formed at one end with tool-engaging means, said slide being formed with an opening therein over said screw and adapted for the insertion of a screw-adjusting tool therethrough, said pointer terminating inwardly of said housing adjacent said side wall, said side wall being formed with a slot therein in the region of said pointer, and said last-named slot including means cooperating with said pointer designating the radial adjustment of said bar element.

2,493,104
SHIPPER LEVER FOR LOOMS
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application June 12, 1948, Serial No. 32,590
8 Claims. (Cl. 139—336)



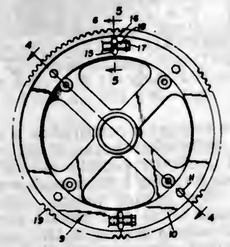
1. In a loom having a power transmitting means, a brake and means for engaging and disengaging said power transmitting means and simultaneously releasing and applying said brake to start and stop the loom, including a manually operated shipper lever, a link interconnecting said shipper lever and power transmitting means and means actuated by said shipper lever and interconnected to the brake, and a manually positionable means forming a part of the connection between the link and shipper lever movable to release the lever from the link to permit movement of the lever to release the brake without corresponding engagement of the power transmitting means.

2,493,105
COMBINATION GRAIN-FEEDING AND THRESHING MEANS FOR HARVESTERS
Norman E. Bunting, Cedar Rapids, Iowa, assignor to Bessie Bunting, Cedar Rapids, Iowa
Application February 23, 1946, Serial No. 649,504
3 Claims. (Cl. 130—27)



1. In a thresher construction, a fixed concave member having inwardly projecting teeth around its inner periphery, a rotatable cylinder within said concave member and having outwardly projecting teeth around its periphery, the said concave member, cylinder and the teeth thereon being so related that the outermost ends of the teeth on said cylinder extend outwardly beyond the innermost ends of the teeth on one side of said concave member and outwardly to a position inwardly of the inner ends of the teeth on the diametrically opposite side of said concave member.

2,493,106
GEAR WHEEL
Jahue C. Burton, Hartsville, S. C.
Application March 26, 1947, Serial No. 737,211
2 Claims. (Cl. 74—448)



1. A gear wheel comprising a flat annular rim, a hub having an internal oil groove, a plurality of flat spokes integrally formed with said rim and said hub and connecting the rim to the hub, an annular ring member including a plurality of arcuate sections substantially T-shaped in cross-section, each of said arcuate sections including an arcuate bearing portion and a flanged portion toothed at its outer surface, the flanged portions of said arcuate sections abutting and overhanging the outer edge of the rim, means for removably securing the bearing portions of said arcuate sections to one face of the rim, and means adjustably securing the arcuate sections to each other, the ends of said arcuate sections being notched to provide abutting bearing edges adjacent the notches.

2,493,107
RAT GUARD
Ean Lee Bush, San Francisco, Calif.
Application August 29, 1947, Serial No. 771,201
5 Claims. (Cl. 114—221)



1. In a rat guard of the character described a substantially circular plate having a radial slot extended from its outer periphery toward the center, said slot having at its inner end an offset extension to one side and beyond the center of said plate to form an eccentric socket, a sector plate superimposed on one side of said plate being concentric with said first plate and being pivotally secured to the center of said first plate and being adapted to hold a hawser in said socket, an element along the other face of said first plate being pivoted on said center, and a releasable clamping handle connecting said sector plate and said element for manipulating the shifting of said sector plate and said element over said slot for engaging a hawser in said socket.

2,493,108
ARTICLE HANDLER
Walter Lee Casey, Jr., Bonners Ferry, Idaho
Application December 7, 1946, Serial No. 714,724
1 Claim. (Cl. 294—19)

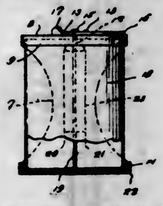


A holder of the character described comprising a tubular handle, a casing carried by and projecting upwardly from the upper end of said handle and formed with openings at its top and at its bottom with an opening located at the top of the handle, arms extending vertically in said casing and having their lower ends pivotally mounted and their upper portions projecting upwardly through the openings at the top of the casing, an actuating rod slidable longitudinally in said handle, a block in said casing disposed between said arms and having a shank extending downwardly through the lower opening of the casing into the handle and connected with the upper end of said rod, the upper portion of said block being tapered from opposite side edges and at its top being formed with a longitudinally extending slot leading from its apex, a pin extending transversely in the casing and passing through the slot to guide sliding movement of the block vertically in the casing between the arms, links at opposite sides of said block pivoted at their lower ends to the block adjacent opposite side edges thereof and extending upwardly in crossed relation to each other below the slot and having upper portions projecting from opposite side edges of the tapered upper end portion of the block and pivoted at their upper ends to said arms and serving to swing the arms away from each other as the block is shifted upwardly in the casing by upward movement of said rod, jaws at upper ends of said arms moved toward and away from each other by movements of the arms, and means for shifting the rod longitudinally in the handle.

2,493,109
SALT AND PEPPER SHAKER
Eva B. Coleman, Regina, Saskatchewan, Canada
Application August 13, 1946, Serial No. 690,111
2 Claims. (Cl. 65—45)

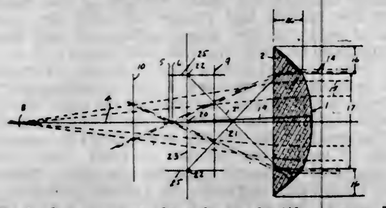
1. A combined salt and pepper shaker comprising a frame including a vertically-disposed flat back, a horizontally-disposed semi-circular shaped top secured to the upper end of said back, a horizontally-disposed semi-circular shaped band secured to the lower end of said back, and a semi-circular shaped bottom member arranged in parallel spaced relation with respect to said top and in press fit engagement with said semi-circular shaped band, there being groups of aper-

ttures in said top, the apertures of each group being arranged in spaced relation, a semi-cylindrical open-ended container having a compartment for the reception of salt and a second compartment for the reception of pepper, said compartments being arranged in side-by-side relation positioned intermediate the top and bottom of the said frame, said container being encircled by



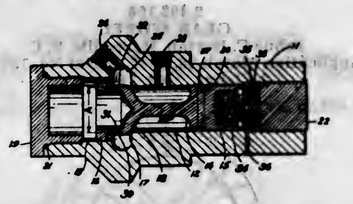
said band and bearing against the flat back of said frame and against the bottom member, the open end of each of said compartments being in registry with the complemental groups of apertures in said top, and means embodying a shutter mounted for arcuate movement about a vertical axis on said top for selectively opening and closing the groups of apertures in said top to thereby control the dispensing of the salt and pepper from the compartments.

2,493,110
LENS FOR FOCUSING INFRARED AND ULTRAVIOLET RAYS
Gareld M. Corman, Los Angeles, Calif., assignor to The Corman and Young Optical Company, Inc., Reno, Nev.
Application September 28, 1945, Serial No. 619,115
3 Claims. (Cl. 88—57)



1. A plano-convex lens formed with an annular marginal portion having a uniform cross-sectional contour substantially coincident with the sides of a right angle isosceles triangle with the hypotenuse disposed along the convexly curved side and with one of the other sides parallel with the axis of the lens and defining the juncture between the central portion of the lens enclosed by said marginal portion, the convex curvature of said central portion being developed about a radius extending from a point on the central axis of said lens, the cross-sectional curved contour of the convex side of said marginal portion being uniform at all points circumferentially thereof and the said curvature at any one side of said axis being developed about a radius extending from a point on a circle that is in a plane parallel with the flat side of said lens and extending through the said point on said axis and which point on such circle is at the opposite side of the axis of said one side of the said marginal portion, said lens being of a transparent material adapted to transmit ultra-violet rays of wave lengths from 3100 to 2500 Angstrom units and the axially projected area of said marginal portion being at least 60% of the total axially projected area of said lens.

2,493,111
PRESSURE REGULATOR
Louis B. Courtot, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application February 1, 1945, Serial No. 575,669
1 Claim. (Cl. 50—35)



A pressure regulator comprising a casing having aligned cylindrical bores of different diameters with a generally radially extending wall at their junction forming a valve seat, a valve member having first piston means sliding in the smaller of said bores and second piston means having guide means sliding in the larger of said bores, a reduced portion connected to said first piston means, generally radial wall means merging with said second piston means and said reduced portion, a radially outer portion of said wall means being formed for engaging said valve seat, that portion of said second piston means extending from the valve seat engaging portion of said wall to said guide means having a minimum diameter at least equal to that of said smaller bore, an inlet port in said casing communicating with said smaller bore and overlying said reduced valve portion, outlet port means in said casing communicating with said larger bore between said valve seat and said second piston means, means closing off the end of said larger bore forming a chamber with said second piston means, passageway means of relatively small area formed in said second piston means to communicate static pressure from said outlet port means to said chamber, and means resiliently biasing said valve member to the open position.

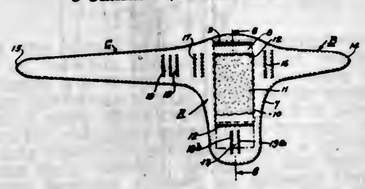
2,493,112
SIGNALING DEVICE
Ludovic Cristopher, Kansas City, Mo.
Application June 16, 1947, Serial No. 755,029
3 Claims. (Cl. 172—126)



2. A device for producing oscillating motion to an object including a support, a shaft carried by said support, an arm loosely mounted on said shaft, armatures pivotally mounted on the support, contact points carried by one of the armatures, an insulating piece secured to the other armature, an arm carried by said insulating

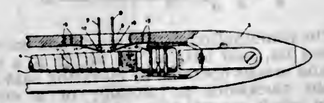
piece having a contact point adapted to normally engage the other contact point, means including a coil spring connecting the first named arm with one of said armatures, an electromagnet carried by said support, means on said armatures to allow one armature to pivot past the other to break the contact for alternately energizing said electromagnet to oscillate said arm, and means limiting movement of said first named arm, said last named means including a stop and a spring carried by one of the armatures and adapted to engage under said stop.

2,493,113
DIAPER CONSTRUCTION
Barbara Gellmann Dance, San Jose, Calif.
Application February 11, 1949, Serial No. 75,906
8 Claims. (Cl. 128—287)



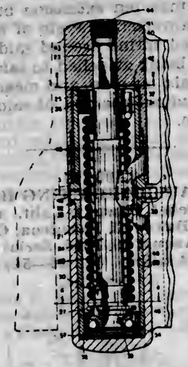
1. An infant's diaper comprising a body portion, first and second bands extending laterally from said body portion adjacent an end thereof, the central part of said body portion arranged and constructed to cover the crotch of an infant, opposite ends of said body portion arranged to cover the lower front and back body regions of an infant, said first band arranged for winding around the body of said infant in one direction, said second band arranged for winding around the body of said infant in a direction opposite to the direction of winding of said first band, a loop on said body portion to permit interweaving between said first band and said body portion, and a loop on said first band to permit interweaving between said first and second bands.

2,493,114
WEFT DETECTING SHUTTLE
Felix Daniels, Williamsport, Pa., assignor to Celanese Corporation of America, a corporation of Delaware
Application March 11, 1948, Serial No. 14,302
1 Claim. (Cl. 139—205)



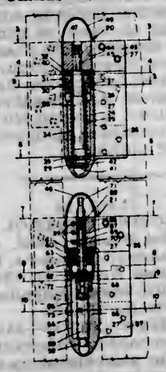
A shuttle for use in automatic bobbin- or shuttle-changing looms wherein an electrical feeler, including a pair of reciprocating plungers, operates the changing mechanism, said shuttle having a slotted opening therein to permit the passage of said plungers therethrough, means fixed to said shuttle for holding a yarn package, and two flat metal springs attached to the inside of said shuttle and extending into the slotted opening, the construction and arrangement being such that the springs are in the path of said plungers so that the plungers contact the same and not the yarn package thus preventing damage to the yarn on said package.

2,493,115
DOOR CLOSING CONTROL HINGE
Henry S. Diebel, Downey, Calif., assignor to G. G. Bakewell, Pasadena, Calif.
Application August 19, 1946, Serial No. 691,557
4 Claims. (Cl. 16—50)



1. A hinge mechanism comprising a pair of leaves adapted for attachment to a closure and to a closure mounting frame; a cartridge having a cylindrical housing and a concentric shaft extension protruding from the upper end of said cartridge housing; a hollow upper part-casing extending from the edge of one leaf, adapted to fit over and turn on the upper portion of said cartridge housing, and to non-rotatably engage said shaft extension; a hollow lower part-casing extending from the edge of the other leaf, adapted to fit upon and be non-rotatably attached to the lower portion of said cartridge housing; and rotary motion means within said cartridge governing the turning of said shaft extension relative to said cartridge housing.

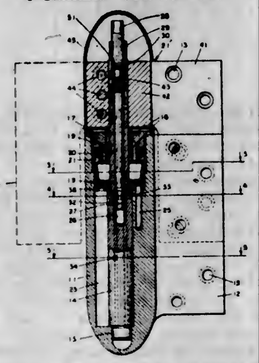
2,493,116
DOOR CLOSER
Henry S. Diebel, Downey, Calif., assignor to G. G. Bakewell, Pasadena, Calif.
Application August 19, 1946, Serial No. 691,558
3 Claims. (Cl. 16—50)



1. A load-bearing closer hinge comprising a hollow cylindrical casing, a casing leaf attached by an edge to said hollow casing, a hinge pin mounted axially in said casing and having an extension of non-cylindrical cross-section above

said casing, a bushing for said hinge pin disposed near the open end of said casing and attached thereto, a thrust bearing for said hinge pin in said casing, a hub having a hinge-pin leaf attached thereto, said hub having a non-cylindrical axial hole adapted to non-rotatably engage said hinge pin extension but adapted to permit axial movement therein of said hinge extension, a coiled spring around said pin, one end of said spring being attached to said pin and the other end to said bushing, and means for adjusting the longitudinal position of said hub on said shaft extension.

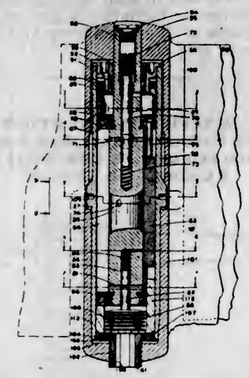
2,493,117
HYDRAULIC CHECKING HINGE
Henry S. Diebel, Downey, Calif., assignor to G. G. Bakewell, Pasadena, Calif.
Application August 19, 1946, Serial No. 691,559
6 Claims. (Cl. 16—54)



1. In an hydraulic checking hinge, two hinge leaves, an hydraulic cylinder attached to one of said leaves, a fixed partition defining a segmental working space in said cylinder, a rotary piston in said working space, a shaft for said rotary piston rotating therewith and attached to the other hinge leaf, a closing end wall for said working space adjacent the end sliding surface of said piston, a non-pressured liquid reservoir adjacent said cylinder having one-way conduits to said cylinder adapted at times to deliver hydraulic liquid to one or the other side of said piston, said shaft serving as a hinge pin, grooves in said end closing wall adapted to convey hydraulic liquid with variable degrees of frictional resistance from one side of the piston to an opposite side, whereby to control the resistance to movement of said hinge at selected positions.

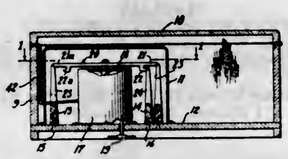
2,493,118
DOOR-CLOSING CONTROL HINGE
Henry S. Diebel, Downey, Calif., assignor to G. G. Bakewell, Pasadena, Calif.
Original application August 19, 1946, Serial No. 691,557. Divided and this application December 9, 1947, Serial No. 790,524
2 Claims. (Cl. 16—58)

1. A hinge mechanism comprising a pair of leaves adapted for attachment to a closure and to a closure-mounting frame; a removable cartridge unit having a cylindrical housing, a shaft mounted coaxially therein with a shaft extension protruding from the upper end of said housing, said shaft being enclosed within said housing and having a rotary piston attached thereto arranged to move in an hydraulic chamber within and defined by the said cylindrical housing and adapted to dampen the movements of said shaft; a hollow upper part-casing extending from the edge of one leaf adapted to fit over and turn on the upper portion of said cartridge housing and to non-rotatably engage said shaft extension; a hollow



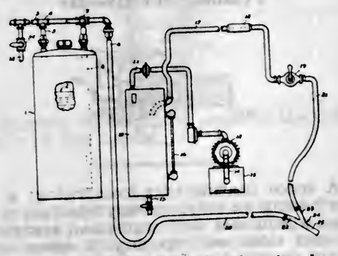
lower part-casing extending from the edge of the other leaf, adapted to fit upon and be non-rotatably attached to the lower portion of said cartridge housing; and means manually operable when said hinge mechanism is in operative position mounting a door on a closure-mounting frame for securing said lower part-casing to said cartridge unit.

2,493,119
MUSICAL INSTRUMENT HAVING PLUCKABLE TEETH
Theodore R. Duncan, North Hollywood, Calif., assignor to Mattel Creations, Inc., Culver City, Calif., a corporation of California
Application April 17, 1947, Serial No. 742,005
9 Claims. (Cl. 84—95)



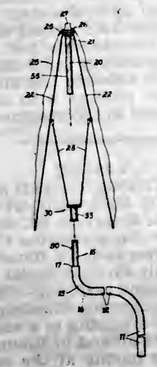
1. The combination with a music box including a hinged lid, said box having within it a clockwork and means operable by elevating said lid to set said clockwork in motion; of a circular toothed comb mounted in said box in an outwardly spaced concentric relation to said clockwork, a semicircular portion of the teeth of said comb being successively tuned to a melody and the remaining semicircular portion of the teeth being tuned to the accompaniment for said melody, and an arm axially supported by said clockwork in a superjacent relation thereto to be rotated thereby in a horizontal plane, said arm extending diametrically across said clockwork and being provided with plucking fingers positioned to repeatedly pluck simultaneously a melody tooth and an accompaniment tooth as said plucking fingers are caused to pass in the path of said teeth.

2,493,120
METHOD OF INTERNALLY CLEANING BEARINGS OF ENGINES
Belden H. Eaton, Allison Park, Pa.
Application April 3, 1945, Serial No. 586,302
5 Claims. (Cl. 134—21)



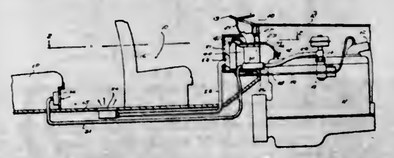
2. The method of internally cleaning bearings of an internal combustion engine which is equipped with a crank case that normally contains lubricating oil and which is also equipped with a galley line through which oil is pumped from the crank case to the engine bearings, comprising repeatedly forcing bodies of a solvent in liquid form through the galley line into the engine bearings, applying air pressure through the galley line to each such body of solvent to force it through the bearings and into the crank case, thereafter repeatedly supplying the galley line with a solvent in liquid form under pressure to force it in one direction into the bearings and applying suction to the galley line after each such application of solvent to withdraw it from the galley line in the opposite direction, and during such withdrawal of solvent maintaining a mist of solvent in the crank case around the exterior of the bearings to seal them during said solvent withdrawal.

2,493,121
UMBRELLA
Johnstone Dean Ellis, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio
Application February 16, 1949, Serial No. 76,789
7 Claims. (Cl. 135—20)



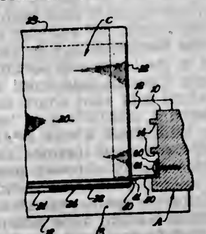
1. An umbrella of the character described comprising a standard including a main supporting portion having a laterally offset portion and an upper portion extending upwardly from said offset portion, a top assembly separate from said standard and including a handle tube and ribs pivoted to the upper end of said tube, a cover supported by said ribs, braces pivoted to said ribs, a runner pivoted to said braces and adapted for sliding movement on said tube to open and close said cover, said tube and runner being adapted to be received over said upper portion of said standard, a shoulder on said upper standard portion spaced below the upper end thereof to form a seat for the lower end of said runner, and cooperating latch means carried by said upper standard portion above said shoulder and by said tube for releasably locking said tube to said upper standard portion to secure said top assembly to said standard with said cover open, said latch means projecting outwardly of said tube to limit upward movement of said runner on said tube when said umbrella is open.

2,493,122
AIR CONDITIONING APPARATUS FOR VEHICLES
William B. Emerich, Evansville, Ind.
Application October 4, 1945, Serial No. 620,279
5 Claims. (Cl. 237—12.3)



3. An air conditioning apparatus for motor vehicles comprising means for constantly drawing air into the vehicle, circulating said air within said vehicle and discharging said air into the carburetor air intake of the engine of said vehicle, means for heating said air from the waste heat of said engine before its introduction into the interior of said vehicle, blower means for causing a flow of air through said first means, motor means for driving said blower said motor means being operated by the movement of air during its discharging into said induction system, and a valved by-pass about said motor means.

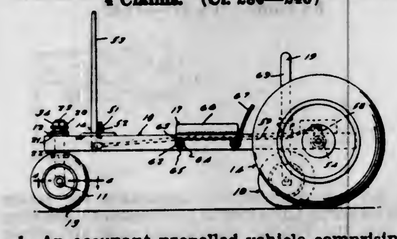
2,493,123
MOUNTING FOR WINDOW VENTILATORS
Bryant Essick, Los Angeles, Calif., assignor to Essick Manufacturing Company, Los Angeles, Calif., a corporation of California
Application June 14, 1946, Serial No. 676,731
4 Claims. (Cl. 98—99.6)



1. A unit applicable to a window having a frame with channeled sides carrying inner and outer sashes and a sill at the bottom including, a box-shaped body having a top, bottom and side walls defining a front opening and having a substantially flat vertical sheet metal front panel

closing the said front opening of the body and having an air passing opening therein substantially smaller than the said front opening, the front panel having its lower edge portion turned to extend outwardly in the frame forming a first horizontal flange immediately adjacent the lower edge of the vertical front panel for resting on the sill with the front panel in a plane immediately forward of the inner side of the inner sash, the projecting edge portion of the said first flange extending down forming a lip for engagement against the edge of the sill, the upper edge portion of the front panel being turned to extend outwardly in the frame forming a second flange the projecting edge portion of which extends up forming a lip for bearing engagement against the side of the inner sash, the said flanges and lips being integral with the sheet forming the front panel.

2,493,124
OCCUPANT PROPELLED VEHICLE
Edmund A. Eskola, Bothell, Wash.
Application October 28, 1947, Serial No. 782,657
4 Claims. (Cl. 280—246)



1. An occupant-propelled vehicle comprising a longitudinally-extending, tubular frame bar, a front steering wheel, means mounting said front steering wheel to the forward end portion of said frame bar for steering movements relative thereto, a rear drive wheel, means operatively mounting said rear wheel on the rear end portion of said frame bar, manually-operable means carried by said frame bar and operatively connected with said rear wheel to drive the same, a seat, means supporting said seat at one side of said frame bar between said front and rear wheels, a third wheel, and means supporting said third wheel from said frame bar in position offset from the side thereof opposite said seat, said means mounting said front wheel to said frame bar comprising a normally vertical bushing extending diametrically through the forward end portion of said tubular frame bar and having an annular bearing flange at each end thereof, a tubular shaft extending through and journaled in said bushing having intermediate its length an annular bearing flange supporting the bottom flange on said bushing, an axle secured in the lower end portion of said shaft and extending through said front wheel and beyond said wheel and said shaft to provide foot rests for steering said wheel, a bearing washer surrounding said shaft above the top flange of said bushing having an inclined top face and a pair of diametrically-opposed arms extending therefrom, a second washer surrounding said shaft and secured thereto against relative rotation having an inclined bottom face complementary to the inclined top face of said bearing washer, and a nut threaded onto the upper end portion of said shaft and bearing on said second washer, said bearing washer being effective to releasably lock said shaft against rotation in said bushing upon the application of washer-turning pressure to one of said arms.

2,493,125
DOOR-MOUNTED ELECTRIC SPACE HEATER
Nina L. Foster, Glendale, Calif., assignor to The Calpat Corporation, Los Angeles, Calif., a corporation of California
Application February 5, 1945, Serial No. 576,237
2 Claims. (Cl. 219—34)



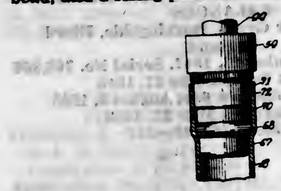
1. A space heating unit, comprising: a door frame having an entrance-way opening; a door pivoted within said door frame and operative to open and close said opening; a space heater mounted on said door and including an electrical heating element; an electrical circuit for said heating element; a first electrical leaf spring element on the door frame and connected in the circuit; and a second electrical leaf spring element carried by the door and electrically connected to the heating element, said second leaf spring element being adapted to yieldingly engage said first leaf spring element to close the electrical circuit to the heating element to energize the same when the door is pivoted to closed position and to disengage said first leaf spring element when the door is pivoted to open position so as to de-energize the heating element.

2,493,126
MANUFACTURE OF CHLORINATED PHENOXY COMPOUNDS
Reginald Thomas Foster, Birkenhead, and Nicholas Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 25, 1945, Serial No. 607,083. In Great Britain April 21, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 21, 1963
1 Claim. (Cl. 260—521)

In a process for the manufacture of 2,4-dichlorophenoxy compounds, the step which comprises taking the product obtained by chlorinating molten phenol up to the stage corresponding to the combination with phenol of between 1.85 and 2.25 atoms of chlorine per molecule, said product having a setting point above 34° C. and a density at 40° C. between 1.40 and 1.42 gm./ml. and reacting said product with an alpha-haloalkylcarboxylic acid in the presence of a base.

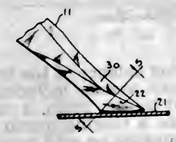
2,493,127
TOOL FOR EXPANDING AND SIZING THE ENDS OF METALLIC TUBES
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1944, Serial No. 545,097
3 Claims. (Cl. 153—79)

1. A die for uniformly expanding and sizing an end of a piece of tubing to a size sufficient to permit insertion of an end of tubing of the same nominal tube size having at the end first to be inserted into the tubing a cylindrical pilot portion of a diameter just smaller than the inside diameter of the tubing, an annular rounded bead adjacent the pilot portion with a diameter just slightly less than the outside diameter of the tubing, an annular recessed portion adjacent the bead, and a sizing portion cylindrical in form and



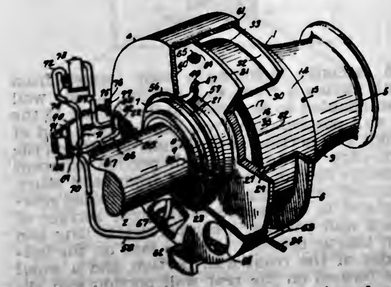
of a diameter substantially equal to the outside diameter of the tubing.

2,493,128
PHOTOGRAPH NEGATIVE ETCHING TOOL
Volney Everett Fulkerson, Portland, Oreg.
Application May 21, 1945, Serial No. 595,051
3 Claims. (Cl. 30—169)



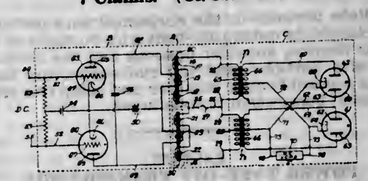
1. A photographic negative etching tool comprising an elongate holder, an elongate flat steel blade secured in the end of said holder and projecting longitudinally therefrom, said blade having a longitudinal face side and a rear side opposite said face side, the face side of said blade being parallel with the longitudinal direction of said holder and blade and plane throughout the full extent thereof, the rear side of said blade being beveled at the end thereof to define a single sharp scraping edge at the end of said face side, said scraping edge extending throughout the full width of said blade at an angle of substantially 45° with respect to the longitudinal axis of said holder, said scraping edge having a slightly convex curvature throughout the full extent thereof and extending on both sides of the longitudinal axis of said holder.

2,493,129
SPINNING DEVICE
Orren M. Gahagan, Dallas, Tex.
Application March 4, 1946, Serial No. 651,941
9 Claims. (Cl. 254—173)



1. An apparatus of the character described including a driving member, a driven member, clutch means for connecting and disconnecting said members in driving relation, a pressure fluid operated actuator for the clutch means, a storage vessel for retaining fluid medium under a low pressure, duct means connecting the vessel with the actuator, means in said duct for applying pressure to the fluid medium to actuate the clutch means, a check valve in said duct means intermediate the pressure applying means and the storage vessel, and auxiliary means for releasing said pressure to that contained in the storage vessel.

2,493,130
SELECTIVE OUTPUT SATURABLE REACTOR AMPLIFIER CIRCUIT
Paul Glass, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application July 12, 1945, Serial No. 604,656
7 Claims. (Cl. 321—25)

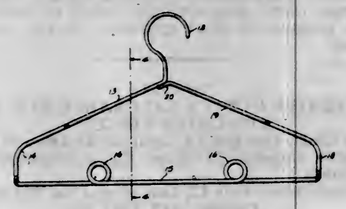


1. An electrical control circuit comprising a D. C. signal input circuit having two sets of output terminals and operable so long as the signal remains zero to produce a direct current of zero magnitude at both sets of output terminals and operable once a signal of a magnitude other than zero is applied to produce at one or the other only of the sets of terminals a direct current of constant magnitude larger than zero and wholly independent of signal magnitude, the set of output terminals at which current is produced being determined by the sign of the input signal, a saturable reactor circuit comprising a pair of saturable reactors each having an A. C. coil and a control coil, said control coils being connected one to each set of output terminals of said input circuit, and an A. C. supply circuit for a pair of A. C. loads adapted for connection to a single power source, the A. C. coils of said reactors being connected in the supply circuit so that each reactor controls the output to one only of the loads, and a full wave rectifier circuit connected to form the loads for said supply circuit and having output terminals for the connection of a D. C. load thereto, the output of said rectifier circuit being zero at zero output of said signal input circuit and at any signal magnitude causing output of said signal circuit being of a constant magnitude larger than zero and independent of signal magnitude but varying in sign with the sign of the input signal.

2,493,131
GARMENT HANGER
Michael J. Gogol, Southport, Conn.
Application September 19, 1947, Serial No. 775,045
1 Claim. (Cl. 223—91)

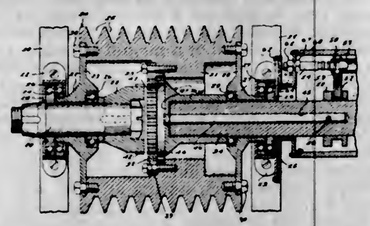
In a garment hanger comprising a hook, a pair of outwardly-extending and downwardly-inclined opposite arms, the hook and arms consisting of a pair of similarly-formed wires disposed side by side, and a horizontal wire portion connecting the lower ends of the wires of each arm, the features which include having the wires secured together in the hook and along the arms to an intermediate point on each of the latter, with

the wires forming the lower outer portions of the arms bent arcuately outwardly apart and downwardly and then inwardly toward each other at the end of each arm at the junctions of the wires forming said arms and the said horizontal wire portions, cuff-supporting loops upon the inter-



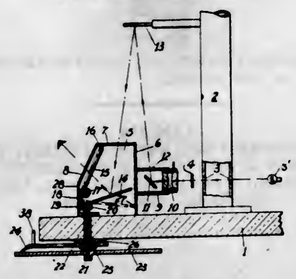
mediate portions of the horizontal wire portions, the arcuately outwardly-bent wire portions of the arms forming shoulder portions and the horizontal wire portions, and the cuff-supporting loops lying separably close together and being free from physical connection therebetween.

2,493,132
POWER TAKE-OFF TRANSMISSION
Henry J. Greiner, Anoka, Minn.
Application April 6, 1948, Serial No. 19,405
2 Claims. (Cl. 74—15.88)



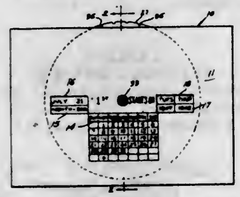
1. A power take-off transmission, comprising a drive shaft and a driven shaft, each including a free end, means rotatably mounting said shafts with said free ends in juxtaposed end-to-end relation, a hollow cylindrical hub for a power take-off wheel, means mounting said hub concentrically on said shafts for free rotation relative thereto, an annular clutch element including internal clutch teeth carried by said hub inwardly thereof in the region of said free end of said drive shaft, a circular clutch element fixed to said free end of said driven shaft in axially-spaced juxtaposition relative to said annular clutch element, said circular clutch element having external clutch teeth having an outside diameter smaller than the inside diameter of said clutch teeth of said annular clutch element, a cup-shaped clutch element splined to said drive shaft, said cup-shaped clutch element including internal and external clutch teeth, said external teeth being engageable with said clutch teeth of said annular clutch element, said internal teeth of said cup-shaped clutch element being engageable with said clutch teeth of said circular clutch element, means for moving said cup-shaped clutch element axially of said drive shaft from a neutral disengaged position to a position coupling said drive shaft to said driven shaft and said hub and to a position coupling said drive shaft to a selected one of said driven shaft and hub.

2,493,133
SCALE PROJECTION MEANS FOR WEIGHING BALANCES
Sydney Rayner Green, Barkingside, Ilford, England
Application December 23, 1947, Serial No. 793,366
In Great Britain May 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 27, 1966
6 Claims. (Cl. 88—24)



1. In a weighing balance of the type described, comprising a scale system including a beam, a graticule carried by the beam, a case including a supporting base, a viewing screen assembly located at and supported on said base, said assembly comprising a casing having a rear wall, a screen mounted in said casing, a lens tube mounted on said rear wall and in front of said graticule a lens system mounted in said lens tube, adjustable mirrors in said tube and said casing, means for illuminating the graticule whereby an image of the graticule formed by said lens system is reflected by said mirrors on to the screen by the aid of a mirror located at the upper part of said case.

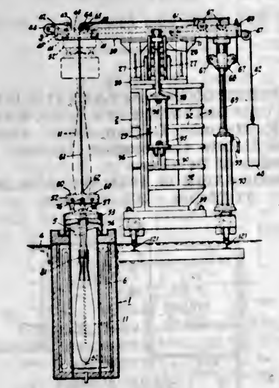
2,493,134
FOLDABLE CALENDAR BLANK
John Gruden, Bergenfield, N. J.
Application August 23, 1946, Serial No. 692,659
4 Claims. (Cl. 248—35)



1. A calendar including a body formed from a blank having a front wall portion, a rear wall portion adapted to be folded to lie in back of the front wall portion, a narrow tab on each end of the front wall portion and two narrow tabs on the bottom edge of the front wall portion adjacent the corners thereof and spaced from each other, said narrow tabs being adapted to be folded rearwardly and to be secured to the rear surface of the back wall portion, a comparatively long and narrow tongue between the two tabs on the bottom edge of the front wall portion and a small tongue formed on the rear wall portion and arranged approximately centrally thereof and extending downwardly, the long narrow tongue being adapted to be folded rearwardly on the bottom edge of the front wall portion, and upwardly and

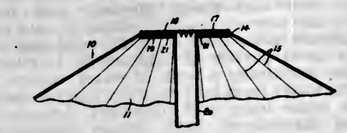
forwardly at a distance from the first fold, the end of said long, narrow tongue being adapted to be bent upwardly and to be secured underneath the tongue formed on the rear wall portion.

2,493,135
APPARATUS FOR HEAT-TREATING PROPELLERS AND THE LIKE
Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application December 21, 1943, Serial No. 515,113
12 Claims. (Cl. 266—2)



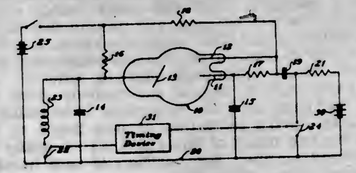
1. In an apparatus for treating propeller blades and the like, a quenching device comprising vertically disposed relatively laterally movable quenching dies having complementary die faces for receiving and confining a blade, means automatically adjustable laterally in correlation to the closing of the dies upon the blade for suspending a blade therein, means for closing said dies upon the blade, and cam means for straightening said blade relative to said die faces as the latter close upon the same.

2,493,136
UMBRELLA
Robert Philip Habig, Bronxville, N. Y.
Application July 3, 1946, Serial No. 681,356
4 Claims. (Cl. 135—20)



4. An umbrella of the nature described comprising an outer circular body and an inner circular web of lesser diameter than the outer body secured near its periphery to the said body, both the outer body and inner web having radial pleats extending from their respective centers to their circumferences, a reinforced area at the center of said body, a circular hinge formed on the outer body about said reinforced area, a rod, radially disposed tabs at one end of said rod and connected to said reinforced area, and a sleeve on said web slidable on said rod as and for the purpose specified.

2,493,137
VOLTAGE DOUBLING CIRCUITS
William W. Hansen, Palo Alto, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application April 26, 1949, Serial No. 89,764
4 Claims. (Cl. 315—227)



1. In combination, a direct current source and a normally open load having first and second terminals, a first capacitor connected between the first terminal of said load and the positive terminal of said source, a second capacitor connected between the second terminal of the load and the positive terminal of said source, a first and second resistance connected respectively between the first load terminal and the negative terminal of said source, and the second load terminal and the negative terminal of said source, whereby under the normal open circuit condition of said load the capacitors are charged to the potential of said source, an inductance having one end connected to one terminal of one of said capacitors, means for connecting the second end of the inductance to the second terminal of said one of said capacitors, whereby the energy stored in the capacitor shock excites the said one of said capacitors and the inductance at the natural period thereof, and means for closing the load circuit a half period substantially after the second end of the inductance is connected to the second terminal of said one of said capacitors whereby the potentials of the first and second capacitors additively discharges the stored energy through said load.

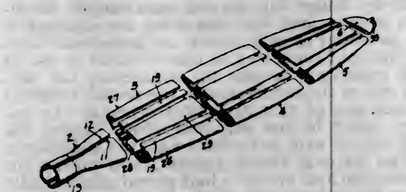
2,493,138
TIME TEACHING DEVICE
Barbara H. Hathaway, Hollywood, Calif.
Application November 8, 1947, Serial No. 784,824
2 Claims. (Cl. 35—39)



1. A device for teaching children to read time, said device being adapted for use with a jingle

having verses describing the activities and experiences of a principal character during twelve successive hours of the day, each hour being associated with one of twelve subjects or objects familiar to the child, said device comprising a clock face, the character or object associated with each hour in said jingle being illustrated adjacent the corresponding hour numeral, and a pair of manually rotatable clock hands at the center of said clock face, one of said hands corresponding to the hour hand of a clock, and having a representation of said principal character in said jingle reproduced thereon, whereby said one hand can be moved successively from one hour numeral and its respective illustration to the next, during recitation of said jingle, to impress on the mind of the child, in an easily remembered manner, the position of said hand at different hours of the day.

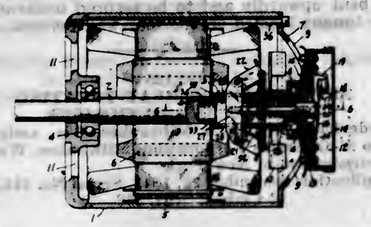
2,493,139
HOLLOW STEEL PROPELLER BLADE CONSTRUCTION
William C. Heath, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application February 23, 1944, Serial No. 523,504
7 Claims. (Cl. 170—159)



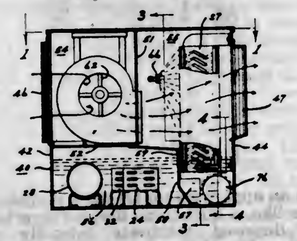
1. A hollow metal propeller blade comprising a tubular shank section made up of a plurality of longitudinally extending separately forged complementary parts electrically flash butt welded together along longitudinal seams, a blade section made up of a plurality of separately forged parts electrically flash butt welded together with the body section of the blade constituted of leading and trailing edge members welded along longitudinal seams to the flanges of I beams and foils welded to said flanges intermediate the I beams to provide a continuous air foil section with the flanges of the I beams constituting parts of the air foil surfaces between the edge members and the foil sections, and an electric flash butt weld joining the inner end of said blade section to the outer end of said shank section.

2,493,140
SHAFT EXTENSION FOR ELECTRIC MOTORS
William C. Heath, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 24, 1944, Serial No. 532,459
4 Claims. (Cl. 318—325)

3. In combination with a motor, a housing, a shaft journaled in said housing, a pressed sheet metal tubular member secured to said shaft and having diametrically opposed slots in the walls thereof, a governor mounted on said member and having a transverse bar extending through the slots in said member, a longitudinally reciprocating push rod biased within said member and engaging said transverse bar, and switch mechanism actuated by the reciprocating push rod through the operation of the governor upon rotation of the shaft and member to control said motor.



2,493,141
AIR CONDITIONING APPARATUS HAVING AN EVAPORATIVE TYPE CONDENSER
Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 13, 1948, Serial No. 20,749
11 Claims. (Cl. 62—140)



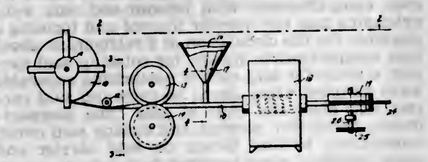
1. In an air conditioning system for mobile apparatus, an evaporator, a compressor, a condenser, a receiver and refrigerant flow means connecting said evaporator, compressor, condenser and receiver in closed circuit relation, means for controlling the flow of refrigerant from said receiver to said evaporator, a casing enclosing said condenser and said receiver, said casing having an air inlet and an air outlet, a partition dividing the interior of said casing into a fan compartment and a spray compartment, said partition having an opening affording communication between said compartments, said condenser being located in said spray compartment, fan means within said fan compartment for flowing air into said casing through said inlet, through said communicating opening in said partition, across said condenser and toward said outlet, the lower portion of said casing forming a chamber containing a body of water, means for pumping water from said chamber and for spraying the water upon said condenser through air directed thereacross, baffle means cooperating with said partition and dividing said water chamber into a first water sump in the bottom of said spray compartment and a second water sump below said fan compartment, said baffle means having an overflow passage permitting water to flow from said first water sump into said second water sump, said condenser having a part thereof submerged in the body of water in said first water sump, said receiver being immersed in the body of water in said second water sump, and said receiver and said part of said condenser serving to augment said baffle means in retarding movement of the body of water in said sumps so as to minimize splashing thereof within said casing.

2,493,142
FISHHOOK EXTRACTOR
Frederick C. Hutton, Dallas, Tex.
Application September 9, 1946, Serial No. 695,676
2 Claims. (Cl. 43—29)



1. An instrument for disgorging fish hooks from fish comprising a handle having a stationary tubular jaw and a semi-cylindrical jaw held against other than pivotal displacement with respect to said stationary jaw, and adapted to receive the same in closed position, said stationary jaw having a beveled operative end and a recess for receiving a fish hook, said stationary jaw further having a slot for receiving the leader of said fish hook, means for urging said semi-cylindrical jaw into closed parallel relationship with said stationary jaw to retain said leader in said stationary jaw and hold the same when said instrument is propelled forwardly to disengage a fish hook from the flesh of a fish for withdrawal therefrom, and means for displacing said semi-cylindrical jaw during withdrawal of said instrument to shield said hook from the flesh of said fish.

2,493,143
WELD ROD
Glenn R. Ingels, Houston, Tex.
Application August 28, 1948, Serial No. 46,605
7 Claims. (Cl. 219—8)



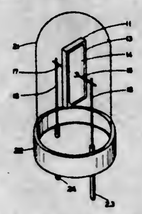
1. The method of making easy flowing welding rods comprising depositing a material desirable in welding upon a binder material and forging said binder material intimately in between the grains of said other material.

2,493,144
PIEZOELECTRIC CRYSTAL PLATE
Hans Jaffe, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application April 29, 1948, Serial No. 23,904
3 Claims. (Cl. 171—327)



1. A piezoelectric crystal plate of ethylenediamine tartrate having a pair of electrodable surfaces with the normal to the plane of each of said surfaces inclined not more than 15 degrees from the Y-axis of the crystalline substance, having a generally quadrilateral outline, and having the projection of each of two sides of the quadrilateral on the XZ-plane individually forming an angle with the X-axis of said plate substantially equal to one of the complementary angles +64 and −26 degrees.

2,493,145
PIEZOELECTRIC CRYSTAL APPARATUS
Hans Jaffe, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application April 29, 1948, Serial No. 23,905
11 Claims. (Cl. 171—327)



1. A piezoelectric crystal apparatus comprising, a piezoelectric crystal element of the substance ethylene-diamine tartrate having a pair of electroded surfaces with the normal to the plane of each of said surfaces inclined not more than 15 degrees from the Y-axis of the crystalline substance, and means for exciting said element primarily in a face-shear mode of motion.

2,493,146
ELECTRICAL SWITCH
Ludwig J. Kalwo, New York, N. Y., assignor to Trine Manufacturing Corporation, New York, N. Y., a corporation
Application July 31, 1947, Serial No. 765,099
4 Claims. (Cl. 200—159)

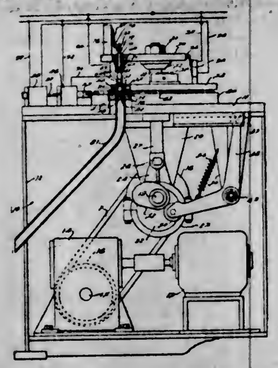


1. In a switch having a housing and spaced fixed contacts as well as a depressible push-button, a member carried by said push-button and having conductively connected, spaced projecting prongs entering with their ends between said fixed contacts and wedging against the latter, respectively, on depression of said push-button, and stops carried by said member wholly externally of the space between said prongs and straddling the latter intermediate their lengths at a distance from said ends thereof, said prongs being tensioned normally to engage said stops, respectively, with a yielding force, and said prong ends being outwardly flexible beyond the limits normally imposed upon them by said stops.

2,493,147
WORK CHECKING MACHINE
Cass S. Kasper, Grosse Pointe, Mich.
Application September 22, 1944, Serial No. 555,251
4 Claims. (Cl. 209—88)

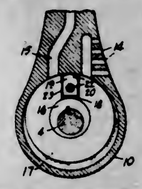
1. A workpiece checking machine comprising a frame having a top, a plate above the top having

an opening for receiving individual pieces of work to be checked, a member above the plate and reciprocatory towards and from it, a movable gage element on the member for checking a diameter on the workpiece, means depending upon the movement of the gage element for denoting failure of the workpieces to meet a predetermined dimensional requirement, drive means below the top, means including a vertically reciprocatory



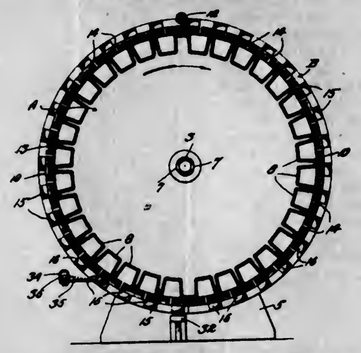
post, extending through the top and plate operatively connecting the drive means to the member so that the latter may be reciprocated, said post being transversely divided intermediate its ends, means connecting the two ends of the post releasably together so that the upper part of the post may be removable with the reciprocatory member, and means releasably connecting the plate to the top.

2,493,148
FLUID LUBRICATED PLANETARY PISTON WATER PUMP
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application December 28, 1945, Serial No. 637,523
1 Claim. (Cl. 103—132)



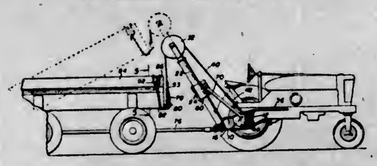
In a pump of the class described having a casing comprising a cylindrical wall and end closures providing a pump chamber with circumferentially spaced inlet and outlet ports, a rotary shaft extending axially through the casing and having an eccentric on the outer surface thereof within the pump chamber, an impeller bearing on said eccentric and disposed between said eccentric and outer casing wall and adapted to gyrate about the pump chamber in response to the rotation of said shaft, said impeller being constructed of resilient wear resistant material in the form of a ring having a radial slot therein extending for the full radial thickness of the ring to said eccentric, and said ring extending axially from end to end of said casing and having a radial thickness substantially equal to the radial distance between the highest part of said eccentric and the casing wall, and a tiltable guide block pivotally secured to the casing and sealed against the casing wall between the inlet and outlet ports and extending substantially loosely within the slot in said ring to provide for lubrication of the bearing surfaces between the impeller and eccentric and end closures by the liquid being pumped.

2,493,149
APPARATUS FOR MAKING ICE
Willis B. Kirkpatrick, Scarsdale, N. Y.
Application January 21, 1948, Serial No. 3,463
11 Claims. (Cl. 62—106)



1. An ice making machine comprising a rotatable carrier having a plurality of open-ended ice cube compartments with bottom and side walls extending into the interior thereof and forming a chamber for the circulation of a refrigerant about said compartments, means for rotating said carrier, a cover for said carrier comprising separable walls adapted when closed to surround said carrier and close the ends of said cube compartments, means for opening and closing said cover, cooperating locking means on said carrier and cover securing same together to rotate in unison when said cover is closed, means to prevent opening of said cover except in position to discharge the contents of said ice cube compartments downwardly by gravity, said cover having apertures for admitting liquid to said cube compartments, and means for supplying liquid to said apertures during rotation of said carrier and cover.

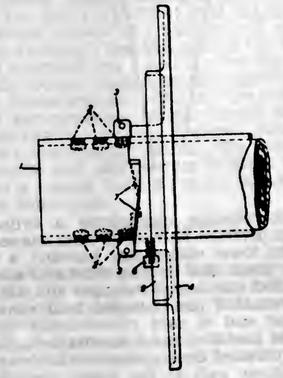
2,493,150
HOIST
Fredrick W. Kroger, Trumbull, Nebr.
Application August 12, 1948, Serial No. 43,821
12 Claims. (Cl. 298—17)



7. A tractor hoist comprising, an attachment adapted to be secured to a tractor and extending rearwardly of its rear axle housing, a hoist boom having a cylinder pivotally secured at its lower end to the attachment for movement in a vertical plane, a piston rod slidable in the cylinder and extending outwardly thereof to render the boom extensible, means connecting the cylinder and

tractor to vary the inclination of the boom in said plane relative to the ground, said means also bracing the boom against movement away from said vertical plane, a flexible member adapted to be fixedly secured at one end to a part of the hoist and at its other end to an article to be pulled, the intermediate portion being trained over the outer end of the piston rod, and means for conducting fluid to or from the cylinder, whereby the article to be lifted is moved in response to movement of the piston rod.

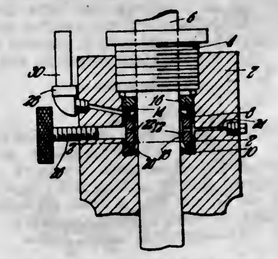
2,493,151
WARP BEAM
William Hague Levers and Richard Henry Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application June 4, 1947, Serial No. 752,360
In Great Britain June 27, 1946
1 Claim. (Cl. 242—124)



A warp beam provided with movable flanges making a sliding fit on the beam and having outwardly facing bosses the outer edges of which are each formed into at least two identical cam surfaces, the said flanges being held against outward displacement by means of studs adapted to engage the said cam surfaces and screwed into identical parallel sets of tapped holes spaced along the beam, the several sets of holes being equally spaced around the beam at each end, one stud and one set of holes being provided for each cam surface and the said flanges being held against rotation by set screws in the bosses engaging the surface of the beam, the throw of the individual cams being equal to at least half the distance between the adjacent holes in each set.

2,493,152
SEAL FOR SPINDLES OF VACUUM VALVES
Vincent T. Malcolm, Indian Orchard, Mass., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass., a corporation of Massachusetts
Application December 23, 1946, Serial No. 717,853
2 Claims. (Cl. 286—27)

1. Sealing construction for a valve stem movable in a valve body having a bore around said stem which is open at its upper end and provided with a bottom wall comprising, a yieldable lower packing in said bore around said stem on said bottom wall, a rigid spacer around said spindle in said bore having a lower face on said lower packing and upper and lower peripheral portions engaging the sides of said bore and an intermediate peripheral portion spaced from said sides of the bore providing an outer annular space, an inner portion of said spacer downwardly from the upper end thereof being spaced from the stem providing an inner annular space and said spacer provided with a transverse passageway connecting said spaces, a yieldable packing filling said bore and around said stem above said spacer, a rigid washer filling said bore and around said



stem above said upper yieldable packing, an uppermost yieldable washer filling said bore and around said stem above said rigid washer, and a pressure member around said stem above the uppermost washer extending into and in threaded engagement with the upper open end of said bore adapted to exert a downward pressure on said uppermost washer, said body provided with a passageway for a sealing medium connected at its inner end to said outer space, and a screw member in threaded engagement with an outer end of said passageway for acting on sealing medium therein.

2,493,153
METHOD AND APPARATUS FOR APPLYING SHEET LININGS TO CYLINDERS
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 1, 1945, Serial No. 580,424
2 Claims. (Cl. 154—41)



1. The method of applying flexible ceramic enamel sheeting to the inside of a cylindrical member, comprising positioning the sheeting within the member with the longitudinal edge portions of the sheeting overlapping, applying a separate flexible member in contact with said sheeting throughout the inner surface thereof with the exception of the region of said overlapping longitudinal edges, then applying through said last named member a substantially uniform pressure per unit of area to said sheeting to force the same outwardly into full contact with said cylindrical member, then applying localized sealing means to the overlapped longitudinal edge portions of the ceramic enamel

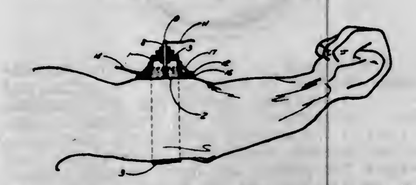
sheeting whereby bonding of the sheeting is obtained only at the overlapped portions thereof, and finally releasing said pressure and removing said flexible member.

2,493,154
SHOE
Gus H. Mavrakis, Billings, Mont.
Application June 6, 1947, Serial No. 752,891
4 Claims. (Cl. 36—2.5)



1. A pair of shoes comprising a pair of shoe soles, a pair of shoe uppers, and fastening means for detachably connecting each shoe upper to one of the shoe soles from a point adjacent the heel, on one side of the sole, around the toe and to a corresponding position on the other side of the sole, for disposition thereabove, said shoe uppers having opposite finished faces of different colors and/or materials, said fastening means being constructed and arranged to permit each upper to be connected to one shoe sole with one finished face of the upper externally disposed and to the other sole with its other finished face disposed externally, said fastening means comprising pairs of slide fasteners having complementary sections fixed to the shoe soles and complementary sections fixed to the shoe uppers and extending around the toes and rearwardly on both sides of the shoe soles and uppers to adjacent the shoe shanks, and a slide carried by the mating fastener section of each shoe sole and detachably connected to the fastener section of either shoe upper for detachably and reversibly connecting the shoe uppers to the shoe soles.

2,493,155
APPARATUS FOR TREATING SKIN DISEASES
William R. McMillan, Library, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 9, 1947, Serial No. 720,954
4 Claims. (Cl. 128—172.1)



1. In apparatus for therapeutically treating skin diseases, a cup having its edge adapted to be pressed against the skin around the diseased area, said cup being adapted to hold against said area an electrically conductive liquid containing a therapeutic agent, an electrode mounted in the wall of the cup with its inner end adapted to extend into the liquid therein, an annular electric conductor surrounding the cup, and resilient means connected to the cup and adapted to press said conductor against the skin, said conductor and electrode being adapted to be connected to a source of electricity to form an electric circuit through said diseased area of the skin.

2,493,156
DUST COLLECTOR
Sidney S. Meisler, New York, N. Y.
Application February 21, 1947, Serial No. 730,007
2 Claims. (Cl. 183—89)



1. A dust collector comprising a cylindrical housing, an inverted truncated cone shaped collector at the lower end of said housing, a cylindrical body suspended in said housing having an axial air outlet opening at its upper end, an inner inverted truncated cone shaped wall connected to the lower end of said cylindrical body and opening into said inverted cone shaped collector, an outer truncated cone shaped wall converging with said inner wall at the upper end thereof and having a cylindrically shaped lower end, an annular band sealingly connecting the lower ends of said walls, said cylindrical body and said outer cone-shaped wall being spaced from said housing to form an annular chamber having decreasing cross-sectional area toward the lower end thereof, and an inlet neck connected to said housing and arranged to discharge dust laden air circumferentially of said annular chamber, said inverted cone shaped collector and said band forming an expansion chamber communicating with said annular chamber, said inner wall forming a second expansion chamber communicating with said first mentioned expansion chamber and said air outlet.

2,493,157
TREADLE SWITCH
Charles N. Merralls and Hubert E. Melchior, Los Angeles, Calif.
Application December 10, 1947, Serial No. 790,778
10 Claims. (Cl. 200—86)



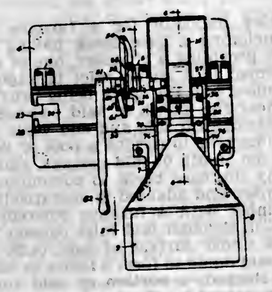
1. In a treadle switch mechanism, a pair of flexible members coaxially disposed, means to secure corresponding ends of said members rigidly together to resist relative longitudinal movement therebetween, a casing, and means to secure the opposite end of the outer flexible member to said casing, the opposite end of said inner member extending into said casing and movable longitudinally relative to the latter in response to flexing of an intermediate reach of said inner member.

2,493,158
AUTOMOBILE CLOTHES HANGER SUPPORT
Harold R. Mitchell, Bemidji, Minn.
Application October 23, 1947, Serial No. 781,624
2 Claims. (Cl. 224—42.1)



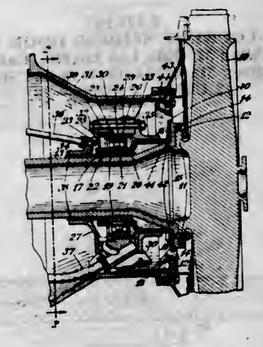
1. A garment hanger for vehicles comprising an elongated resilient frame member, means securing the end portions of said frame member to the inner surface of a vehicle roof, said frame member yieldingly bearing against the inner surface of a vehicle roof, and a plurality of longitudinally spaced, transverse depressions provided in said frame member adjacent the end portions thereof for receiving hanger hooks said frame member having portions between adjacent depressions also bearing against the inner surface of a vehicle roof and tending to block the movement of a hanger hook from one depression into another depression.

2,493,159
APPARATUS FOR REMOVING A PROTECTIVE SHEET FROM A CARD APERTURE AND FOR MOUNTING A SELECTED MICROFILM THEREIN
Nathan H. Morrison, Lowell, Mass., assignor, by mesne assignments, to Wilmarth Lewis, as trustee
Application March 31, 1947, Serial No. 738,384
15 Claims. (Cl. 216—9)



11. A machine for removing a temporary cover sheet from adhesive paper in an aperture of a card and for mounting a film, etc. in said aperture, including a plate assembly made up of stationary plates spaced apart and a movable card-supporting plate slidable therebetween for supporting a card, the stationary plates having aligned openings, the card-supporting plate having an opening therein adapted to align with the aperture in a card supported thereon and the openings in the stationary plates to permit removal of the cover sheet from the adhesive paper in the aperture of the card, said stationary plates having a second series of openings in alignment with each other, means for moving a film over said second series of openings, a projector for projecting light through the second series of openings and through the film onto a screen whereby the portion of the film to be cut and mounted can be predetermined and observed, means for moving the card on said movable card-supporting plate and to move said plate to bring the aperture in the card in alignment with the second series of openings in the stationary plates with a solid portion of the movable plate in alignment with the aperture in the card, and means for cutting out the selected portion of the film and forcing it into the aperture in the card against the adhesive material therein.

2,493,160
BEARING FOR TURBINES AND THE LIKE
Frederick William Walton Morley, Aston-on-Trent, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application June 3, 1947, Serial No. 752,181
In Great Britain June 21, 1946
16 Claims. (Cl. 308—77)

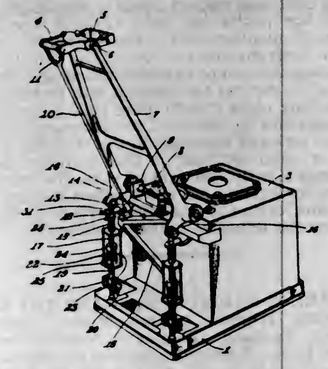


16. A bearing for a turbine or the like comprising a hollow shaft, a sleeve constituting a rotating bearing element spigoted at each end on a shaft and having its inner surface spaced from the shaft, air inlet means to admit cooling air to the space between the sleeve and shaft including ports in the shaft opening the said space to the interior of the shaft and conduits extending outwardly from said space and providing air outlets, said sleeve having a stiffness allowing the shaft to attain a self-balancing position and said air inlets being radially further from the axis of the shaft than said air inlet means.

2,493,161
X-RAY APPARATUS
Anthony Nemet, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application July 13, 1945, Serial No. 604,935
In Great Britain December 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 13, 1963
6 Claims. (Cl. 250—56)

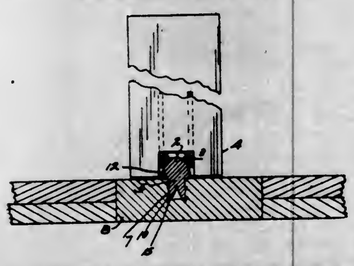
1. X-ray apparatus comprising an X-ray tube for use with both a screen and a film cassette, a holder for the tube, and a support for said holder movable to either of two different coaxial positions at two desired focal distances from the

plane of the cassette, the movement of said holder and said support being such that in both of said



positions the beam from the tube is aligned with the center of the cassette.

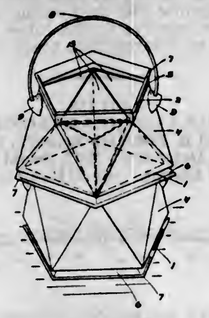
2,493,162
SELF-LOCKING, SLIDING DOOR TRACK
Allan M. Olds, Los Angeles, Calif.
Application March 14, 1947, Serial No. 734,773
2 Claims. (Cl. 16—96)



2. A track having an upper body strip and a bottom tenon portion narrower than the body to form stop shoulders and provided with elongate knife edged wedges which relatively diverge along their inner faces to form an elongate channel in the bottom of the tenon portion.

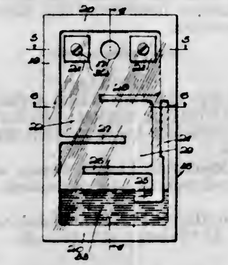
2,493,163
TRANSPORT CONTAINER
Ruben Rausing, Lund, Sweden
Application March 27, 1947, Serial No. 737,471
In Sweden September 5, 1945
7 Claims. (Cl. 220—97)

1. A transport container, especially for tetrahedral packages, having a closed bottom end and an open top end which in plan view have the form of two regular pentagons angularly offset in relation to each other so that the corners of the top pentagon are located midway between the corners of the bottom pentagon, the bottom being in the shape of a pyramid composed of five isosceles triangles whose bases coincide with the five sides of the bottom pentagon, a collar forming the open top end of the container, side walls in the form of ten isosceles triangles whose bases coincide alternately with the sides of the bottom pentagon and with the sides of the top pentagon at which latter five of the side wall triangles at their bases merge into the top end collar of the container, and a bottom flange which is attached to the underside of the bottom of the container



and which, when the container is piled on top of an identical container, fits over the top end collar of the latter.

2,493,164
DUST CLOG INDICATOR
William R. Rose, Arlington, Va.
Application August 1, 1946, Serial No. 687,788
5 Claims. (Cl. 116—117)

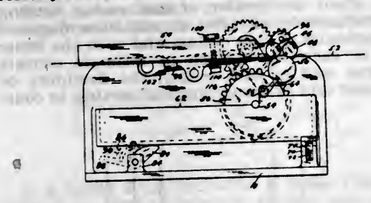


5. A clog indicator for a furnace air filter screen including a base block having side and end walls providing a chamber, one of said walls being formed with an air inlet passage entering said chamber and the block being provided with a baffle near the mouth of said passage, a cover plate abutting said side and end walls and closing said chamber to receive a pool of liquid submerging the mouth of said passage, and a nipple carried by the base block to communicate with said chamber and adapted to operatively connect said chamber with a furnace whereby air will be drawn in through said inlet passage to travel along the under surface of said baffle and rise through said liquid to form bubbles as said screen becomes clogged, a portion of said cover plate being transparent to afford a view of said bubbles.

2,493,165
MARGIN GLUING MACHINE
Charles F. Schaefer, Norwalk, Conn.
Application November 2, 1946, Serial No. 707,418
8 Claims. (Cl. 91—50)

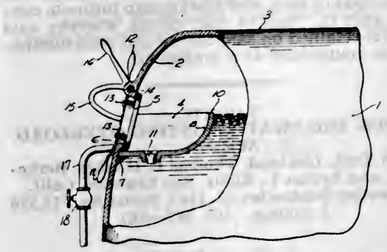
1. In a gluing machine of the class described, the combination of a base, a glue tank, a tank roller mounted on said tank, a gluing roller disposed in close proximity to said tank roller to receive glue therefrom, a feed roller in contact with

said gluing roller, supporting means for said feed roller, means for pivotally mounting one end of said tank on said base, and means on said base for adjusting the height of the other end of said



tank, said feed roller supporting means including an elongate arm pivotally mounted on said base, and means for varying the effective length of said arm.

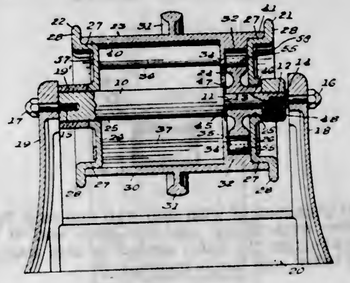
2,493,166
FOAM SKIMMER
Henry A. Schmitz, Jr., Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 24, 1946, Serial No. 643,166
3 Claims. (Cl. 210—51)



1. In combination with a fermenting tank, a foam skimmer comprising a receptacle suspended within said tank and formed of a plate upwardly curved around the entire inner portion thereof and with the outer portion of the plate secured to the tank wall, the periphery of the curved portion of the receptacle being disposed slightly above the surface of the fermenting liquid within the tank to permit flow of foam and scum thereover into the receptacle when foam and scum is forced to the surface of the liquid in the fermenting process, means providing access into said receptacle for removal of foam and scum through an opening in the wall of the tank directly above the bottom of said receptacle, means to seal said latter means closed when the liquid is fermenting, and means to remove foam from said receptacle when the tank is sealed during fermentation of liquid therein.

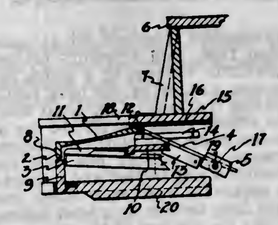
2,493,167
FILING APPARATUS
Richard P. Scholfield, New York, N. Y., assignor to Wheeldex Manufacturing Co. Inc., a corporation of New York
Application July 11, 1946, Serial No. 682,949
15 Claims. (Cl. 129—16)

1. A rotary filing drum assembly comprising a stationary shaft having a radial shoulder and a reduced portion adjacent thereto, a pair of spaced drum heads mounted for rotation coaxially of the shaft, a cylindrical rim carried by the heads and having a card retaining rail projecting from its periphery, a clutch element in the space between said heads on the reduced portion of the shaft, means frictionally restraining said element



against rotation on said portion of the shaft, and an overrunning connection between said clutch element and the rim, permitting free rotation of the drum in one direction and frictionally restrained rotation in the other.

2,493,168
PIANO FALL-BOARD
Edward L. Schroth, Cheviot, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application December 3, 1947, Serial No. 789,447
10 Claims. (Cl. 84—179)



1. In combination in a musical instrument, a case, two ends for said case, a keyboard disposed horizontally between said ends, a fall-board having a covering and an uncovering position with respect to said keyboard, slides for said fall-board, an equalizing mechanism comprising a U-shaped member having a cross-portion with two arms connected thereto, and two guides pivoted on said ends, said cross-portion being pivotally connected to said fall-board and said arms having a slidable relationship with respect to said pivoted guides.

2,493,169
GUIDE RAIL FOR CONVEYERS
Marcus E. Speicher and Carl F. Speicher, Celina, Ohio
Application February 12, 1948, Serial No. 7,746
1 Claim. (Cl. 198—204)

The combination of a conveyor having an upwardly and outwardly extending side wall and a parallel flange member spaced downwardly and outwardly from the outer surface of said wall, a guide rail disposed substantially above said wall and parallel thereto, and a plurality of clips for supporting said rail in position, each of said clips comprising a strap secured at one end thereof to said rail and extending downwardly therefrom,

and an inwardly extending strip secured intermediate the ends of said strap, said strip and said strap having angulated free end portions affording a pair of spaced parallel resilient jaws in frictional engagement with said wall and said flange member respectively, and the lower end of said strap abutting the outer surface of said wall at a point below said flange member.



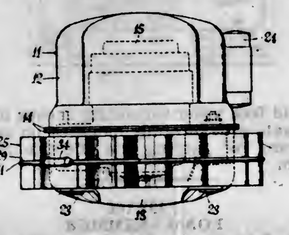
2,493,170
AUTOMOBILE ACCESSORY
John M. Stiff, Arlington, and Bernard G. E. Stiff, Malden, Mass.
Application December 19, 1947, Serial No. 792,734
2 Claims. (Cl. 296—1)



1. An automobile accessory for an automobile of the sedan type, said accessory comprising a portable platform element of a width to fit between the seat cushion of the back seat of said automobile and the back of the front seat and of a length to extend from one side to the other of the automobile body, said platform element being divided transversely nearer one end than the other to provide a long section and a short section which are separable from each other, means to support said long section at a level substantially flush with the top surface of the rear seat cushion, said short section having at its outer end legs to support said outer end at the same level as the long section and means at the meeting ends of the two sections to detachably support the inner end of the short section on the long section, said two sections when assembled forming with the back seat cushion a substantially level floor of a play compartment for children, the front and back walls of which are constituted by the backs of the front and back seats, the removal of the short section providing a play compartment of reduced size and also providing a space for a passenger at the end of the rear seat.

2,493,171
EXTERNALLY FINNED HERMETIC COMPRESSOR
Jens Touborg, Tecumseh, Mich., assignor to Tecumseh Refrigeration Sales and Engineering Company, Tecumseh, Mich., a corporation of Michigan
Application May 20, 1947, Serial No. 749,318
1 Claim. (Cl. 230—211)

A hermetically sealed compressor unit comprising a fluid tight casing, a compressor disposed within said casing adjacent one end thereof, a driving motor for said compressor disposed in said casing adjacent the opposite end thereof, means for facilitating the dissipation of heat generated by said compressor comprising an endless flexible band of corrugated sheet metal disposed about the portion of said casing housing said compressor with the corrugations disposed longitudinally of said casing, and with the inner ridge of each corrugation in intimate contact with the wall of said casing, the flexibility of said band and said corrugations serving to compensate for variations in contour and dimensions of said casing, a notch in the outer ridge of each corrugation providing an interrupted annular groove, a hoop disposed in said notches and means for contracting said hoop to force the inner ridge of each corrugation into intimate contact with the wall of said casing whereby said band is retained on said casing and heat dissipation is maintained at a maximum.



2,493,172
SHOCK AND SWAY RESISTING OVERLOAD SPRING
Ralph Tuck, Oakland, Thomas E. Hughes, Berkeley, and Arthur U. Rigby, San Leandro, Calif.
Application September 12, 1947, Serial No. 773,596
2 Claims. (Cl. 267—26)



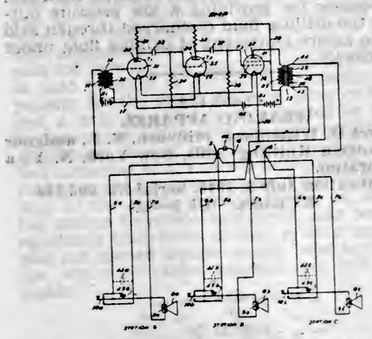
1. In a device of the type described, a coil spring having an arm with an eye formed at its end, a hanger having an open side and a compartment for receiving the eye and a slotted wall through which the arm extends, the hanger having a wall disposed opposite the open side, a rubber socket in the compartment and having a ring-shaped recess for receiving a portion of the eye, a second rubber socket in the compartment and having a ring-shaped recess for receiving the other portion of the eye, both sockets having tubular central portions receivable in the opening of the eye, a cover for closing the open side and having a projection for entering the compartment for compressing the sockets, and a bolt extending through the cover, the sockets and the wall disposed opposite the open side for securing the cover to the hanger.

2,493,173
BRAKE DRUM
Andrew S. Van Halteren, East Lansing, Mich., assignor to Motor Wheel Corporation, Lansing Mich., a corporation of Michigan
Application May 29, 1946, Serial No. 672,978
4 Claims. (Cl. 188—218)



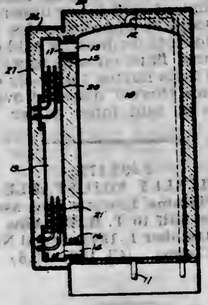
1. A brake drum including a brake ring comprising an annular braking section and an annular supporting section, said supporting section comprising a radial attaching flange spaced axially from said braking section and an axially extending substantially imperforate intermediate flange connecting said braking section and said radial flange and having a plurality of annular corrugations of equal diameter, said supporting section being of substantially less thickness than said braking section.

2,493,174
INTERCOMMUNICATING TELEPHONE SYSTEM
Andrew W. Vincent, Rochester, N. Y.
Application November 5, 1946, Serial No. 707,867
7 Claims. (Cl. 179—1)



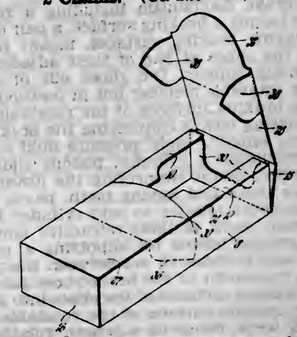
1. In an intercommunicating telephone system, a plurality of stations each provided with a transducer for transmitting and receiving signals, an audio amplifier having an input portion and an output portion, said amplifier including at least one electron tube provided with a filamentary cathode, a source of direct current, each station having an input conductor coupled to the input portion of the amplifier as well as an output conductor coupled to the output portion of said amplifier and a common conductor connected to said amplifier, a manual switch at each station normally connecting the transducer thereat in circuit with the output conductor and with the common conductor thereof in readiness for the reception of signals from said amplifier, the switch at each station being operable at will to connect the transducer thereat in circuit with the input conductor and with the common conductor thereof for the transmission of signals from the station with the operated switch, and a circuit completed by said last-mentioned switch and including in series said cathode, said source of direct current together with said last-mentioned input and common conductors.

2,493,175
WATER HEATER
Alfred H. Weinman, Highland Park, Ill.
Application July 5, 1946, Serial No. 681,463
1 Claim. (Cl. 219—39)



An electric water heater comprising a vertical cylindrical tank, a separate vertical tube adjacent thereto of the same longitudinal dimension as said tank, an immersion water heater in the upper part of said tube, a second immersion water heater in the lower part of said tube, water flow connections between the upper part of the tube and the upper part of the tank and between the lower part of the tube and the lower part of the tank, and thermostatic controls one for each of said immersion water heaters.

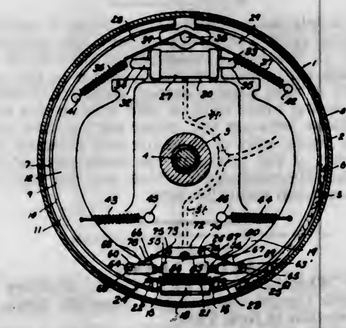
2,493,176
CARTON BLANK
Earl B. Whitehead, Norwich, Conn., assignor to Atlantic Carton Corporation, Norwich, Conn., a corporation of New York
Application January 9, 1948, Serial No. 1,352
2 Claims. (Cl. 229—33)



1. A folding blank for forming into a box comprising, a single sheet of material having a bottom wall section and side walls hinged at their longitudinal edges to longitudinal edges thereof for swinging upwardly relative to said bottom walls, inner end members hinged to opposite ends of said side walls for swinging inwardly therefrom to form end walls adjacent said side walls, inner upper wall members having hinge connections with outer longitudinal edges of said side walls for swinging inwardly relative thereto into relatively parallel position providing an upper wall, said hinge connections provided with longitudinal slots terminating inwardly of opposite ends of said side walls, outer end walls hinged to

opposite transverse ends of said lower wall section for overlying said inner end members and having outer upper wall sections hinged thereto for overlying opposite end portions of said inner upper wall members, flaps hinged to said outer upper wall sections for overlying adjacent intermediate portions of said inner upper wall members having tabs at opposite sides thereof receivable in said slots for holding said outer upper wall sections and flaps on said inner upper wall members, said flaps having relatively overlapping portions at ends thereof disposed over intermediate portions of said inner upper wall members.

2,493,177
AUTOMATICALLY ADJUSTABLE BRAKE
Harry O. Williams, Lawson, Mo., assignor of one-half to T. B. Watkins
Application October 1, 1945, Serial No. 619,510
4 Claims. (Cl. 188—79.5)



2. A brake mechanism including a rotatable member having a braking surface, a pair of brake shoes having braking surfaces, means for supporting the shoes at one of their adjacent ends to normally support the shoes out of contact with the rotatable member but in position to engage the braking surfaces of the rotatable member, actuating means connecting the brake shoes near their opposite ends, pressure fluid actuated means including a cylinder, pistons slidable in the cylinder, means connecting the pistons with the brake shoes and having teeth, pawls having pivotal support relative to said cylinder for engaging said teeth to limit retractive movement of the pistons, means for supplying a pressure fluid to said cylinder to act between the pistons to effect movement of the brake shoes for bringing the braking surfaces of the shoes into contact with the braking surface of the rotatable member, said teeth being of a length relatively to the pawls to allow clearance of the shoes from the rotatable member when pressure fluid is discharged from said cylinder, and springs cooperating with the supporting means for normally retaining the shoes in retracted position.

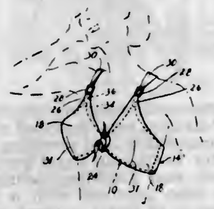
2,493,178
DRILL BIT
Edward B. Williams, Jr., Greenville, Tex.
Application June 3, 1946, Serial No. 674,075
6 Claims. (Cl. 255—61)

1. A drill bit including a body member having a recess at one end and a cap member carried by said body member for closing the recess, a matrix material covering the cap member and forming a drilling face and an annular reaming face, said matrix material having a substantially conical recess in the center of the drilling face, cutting elements embedded in sides of the conical recess, said cap having ports connected with said closed recess near the outer marginal portion of said recess and directed inwardly through the drilling face in the direction of the extended axis of the bit and having watercourses connecting the ports



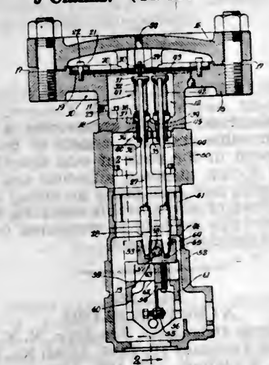
with the conical recess for directing drilling fluid across said conical recess when the bit is in operation, said matrix material also having a watercourse on the opposite side of the conical recess to said said ports and of larger capacity than said watercourses for providing a low pressure outlet for the drilling fluid discharged through said ports to assure movement of drilling fluid under high velocity.

2,493,179
WEARING APPAREL
Margaret H. Wittenberg, Millburn, N. J., assignor to Jantzen Knitting Mills, New York, N. Y., a corporation
Application July 9, 1945, Serial No. 603,844
6 Claims. (Cl. 2—42)



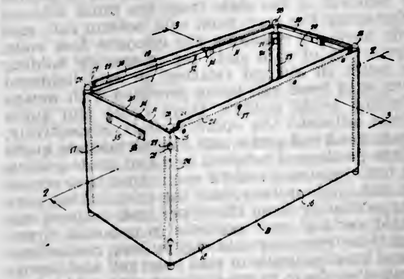
3. A brassière-bandeau garment, comprising a pair of bust cups and means to hold the same in position on the wearer, and a pair of covering bands positioned entirely externally of said bust cups, and attached thereto respectively, only at the outer side edges thereof, said bands being distinct from each other and from said bust cups and extending directly toward each other in a horizontal direction at the front of the garment from said side edges, respectively, of the bust cups and being of sufficient length and width to cover the latter, said bands being movable in relation to each other and to said bust cups and terminating in free end portions adjustably attachable to each other for releasably holding said bands in position over said bust cups in covering relation thereto.

2,493,180
DIFFERENTIAL PRESSURE RESPONSIVE MEANS
Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application October 3, 1946, Serial No. 700,887
9 Claims. (Cl. 137—157)



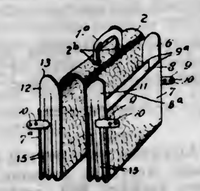
1. A differential pressure responsive device comprising a housing, a flexible diaphragm mounted within said housing dividing the same into two pressure chambers, a rod secured at one end to said diaphragm and projecting at the other end outwardly of said housing, a flexible-wall means for positively sealing the passage of said rod through said housing secured at one end to said housing in surrounding relation to the passage for the rod and at the other end to said rod, a lever mounted to be actuated by said rod in response to differential pressures acting on said diaphragm, means responsive to static pressure and subjected to the same static pressure as said sealing means acting in opposition to the tendency of the static pressure acting on said sealing means to rotate said lever, and means for equalizing the effects of said sealing means and said last named means on said lever to eliminate the effect of static pressure on said sealing means.

2,493,181
BABY BASKET
Arthur A. Andersen, Jr., Crystal Lake, Ill.
Application May 12, 1944, Serial No. 535,262
12 Claims. (Cl. 5—98)



1. A basket of the character described comprising a fabric container body having sides, end, and bottom portions, and corner post receiving pockets, corner posts mounted in said pockets, brace means extending between and in end thrust connection with said corner posts at the top and bottom portions of said body to hold the fabric body in stretched assembled condition, a fabric extension flap for one of the sides of said fabric body at the top thereof and coextensive therewith, and means for detachably connecting the free end of said flap to the top portion of the opposite side of said body at the upper edge thereof to form a bath table.

2,493,182
REVERSIBLE BRIEF CASE
Samuel L. Beder, New York, N. Y., assignor of one-half to Irwin F. Mills Associates, New York, N. Y.
Application April 5, 1946, Serial No. 659,961
2 Claims. (Cl. 150—1.6)

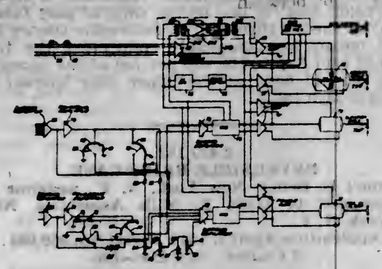


1. A device as described consisting of a pair of compartments formed from a flexible sheet having its opposite ends folded back and around so as to be looped over one side of said sheet, end members connected edgewise to said folded back looped portions of said sheet as well as to the mentioned side of the sheet for the purpose of forming the said compartments, the open parts of said compartments confronting each other as the sheet lies flat upon its opposite side, with their end members spaced out of contact, the medial portion of said sheet bridging the intervening space between the compartments, a pair of linearly separated holes formed in said sheet medial portion and an endless handle having opposing arms slidably projecting through said holes, said end members being reversely positionable about said sheet medial portion so as to assume an upright position either with the compartments open in one position, or closed by the overhanging medial portion in their reversed position, and means for detachably securing both compartments together in contiguous parallel relation.

2,493,183
ARTILLERY DIRECTOR
William H. Boghosian, Forest Hills, and Sidney Darlington, New York, N. Y., and Henry G. Och, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 21, 1942, Serial No. 443,920
24 Claims. (Cl. 235—61.5)

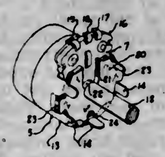
1. In an artillery director in which the data of the position of the target are expressed in the form of voltages, means for modifying said voltages for the muzzle velocity of the gun, the drift of the shell, the density of the air and the prevailing wind which comprises means for generating voltages proportional to the maximum values of said corrections, means for selecting a portion of said generated voltages proportional to the elevation of the gun, additional means for selecting a portion of said selected voltages proportional to the time of flight of the shell, other means for fractionating said voltages

proportionally to the actual value of the corrections means for combining said latter voltages



with said voltages representing the data, and means for indicating the values of the data proportional to said combined voltages.

2,493,184
TANDEM VARIABLE RESISTOR CONTROL
Wilbert H. Budd, Mervin B. Arisman, and Robert R. Thompson, Elkhart, Ind., assignors to Chicago Telephone Supply Corporation, Elkhart, Ind., a corporation of Indiana
Application September 24, 1949, Serial No. 117,703
5 Claims. (Cl. 201—55)



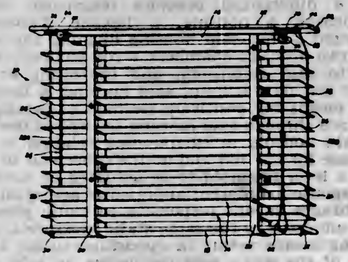
1. A tandem variable electrical control device having front and rear control units each of which has its instrumentalities encased within a cup-shaped metal casing closed by a base member of insulating material upon which the terminals of the unit are mounted with parts thereof exposed on the exterior of the base member, said units facing in the same direction so that the base member of the rear unit and the bottom wall of the metal casing of the front unit are adjacent to each other, each unit having a rotatable control shaft protruding through the base member thereof the shaft for the front unit being hollow and receiving the shaft of the rear unit therein, characterized by the provision of: a stiff metal spacer plate between the two units; fastening means connecting the casings of the two units and thus holding the units together with the spacer plate clamped therebetween; the spacer plate being shaped to afford adequate electrical clearance between it and the adjacent terminals of the rear unit and spacing the back wall of the front unit from said terminals; and the spacer plate having a notch therein which embraces the shaft of the rear unit and has interfitting engagement with an annular groove in said shaft whereby the spacer plate is adapted to react against endwise forces imposed upon said shaft in a rearward direction and carries the stress resulting from such endwise forces to the side wall of the rear unit casing through the intervening base member.

2,493,185
ELECTRICAL SWITCH
Byron R. Criswell, Lake Forest, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application October 3, 1946, Serial No. 706,875
3 Claims. (Cl. 200—4)



1. An electrical switch comprising a pair of resilient movable contacts, a pair of fixed contacts disposed in the path of said movable contacts, and a cam disposed adjacent one of said fixed contacts, said cam being arranged to operate on only one of said movable contacts, whereby said one movable contact is prevented from engaging said one fixed contact.

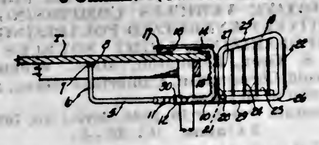
2,493,186
VENETIAN BLIND
Eugene Delgaudio, Brooklyn, N. Y.
Application February 19, 1946, Serial No. 648,590
2 Claims. (Cl. 160—168)



1. In a Venetian blind having a head rail, a bottom rail, a slat-tilting rail, laddered tapes connected to said bottom rail and to said tilting rail, and a plurality of slats carried by said laddered tapes; a cord connected at its opposite ends to said bottom rail and to said head rail for raising and lowering said bottom rail whereby to raise and lower said slats, the vertical portions of said cord being disposed at and confronting the opposite free ends, respectively, of said slats and movable endwise of said slats to a position clear of engagement therewith whereby to permit the removal of the slats from the blind without unfastening the cord from said bottom rail, said cords normally engaging the opposite free ends, respectively of said slats for releasably holding the latter in aligned relation on said laddered tapes, said head rail being provided with means including guide pulleys, there being end guide pulleys adjacent the opposite ends, respectively, of said head rail and a pair of intermediate guide pulleys positioned between said end guide pulleys and both located adjacent each other near one of said end guide pulleys, and the cord having portions extending from the upper ends respectively of said vertical cord portions in opposite directions therefrom over said end pulleys, respectively, and longitudinally of said head rail and downwardly therefrom in engagement with said intermediate guide pulleys, respectively, forming an intermediate looped portion of the cord for use in operating said cord to raise and lower said bottom rail of the blind and to correspondingly

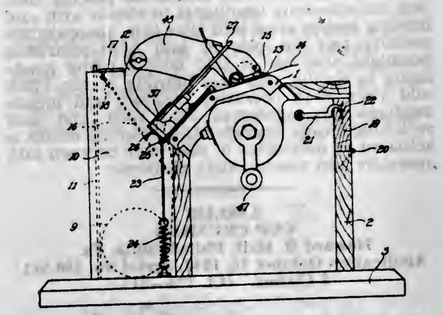
raise and lower said slats, said head rail having an apertured portion, one of said end pulleys and said intermediate guide pulleys being disposed in said apertured portion, one of said vertical cord portions entering said apertured portion for engagement with said one end pulley therein, and said looped portion extending downwardly through said apertured portion inwardly of said one vertical cord portion.

2,493,187
TABLE ATTACHED INFANT'S CHAIR
Francis E. Ducey, Midland, Mich.
Application November 23, 1945, Serial No. 630,246
6 Claims. (Cl. 155—78)



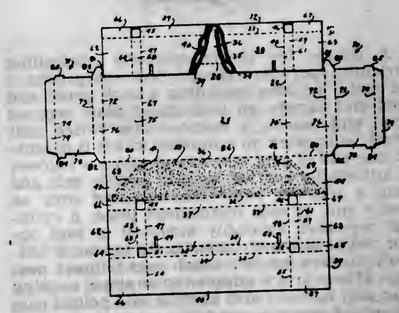
1. An infant's chair of the class described comprising, a frame adapted to be detachably mounted on a table, the front end section of the frame being formed with a horizontally disposed leg section bent at the front end to extend vertically and bearing against the under side of the table, a U-shaped frame section overhanging the table and bearing on the upper face thereof, a seat frame hingedly connected to the front section, and resilient means on the seat frame and engageable with the front end section of the frame for securing the front section and the seat frame in aligned relation.

2,493,188
SUPPORTING FRAME FOR POSTAGE METERS
Harold Francis Ford, Cirencester, England
Application June 26, 1948, Serial No. 35,456
In Great Britain April 8, 1947
2 Claims. (Cl. 235—1)



1. A casing construction adapted for the detachable mounting of a unitary stamp printing and issuing machine in a fixed location, said unit machine comprising a body part having extended side portions with a special contour, said casing comprising a base, a hollow box-like body part upstanding from said base, said body part having a front end wall and a rear end wall and a top opening into which the unit machine is passable, said casing also having left and right side walls, said side walls having bearing surfaces cut into their upper edges to a contour which matches the contour of the extended sides of said body part, said body part being adapted to be supported upon said bearing surfaces to support the unit machine in said opening in transversely extending relation between the said side walls, a clamping section swingably incorporated in the said rear end wall, for movement towards and away from said opening, said swingable section comprising a top portion defining a transversely extending edge portion adapted, in the inwardly swung position of the section, to lie in overlying juxtaposition and substantially flush with respect to a plane surface of the machine unit which extends below and above the top opening and is disposed at an angle with the planes defined by the said side walls, said contoured bearing surfaces, in co-operation with the angled plane surface and with a front wall upper edge of the casing upon which the front end of the machine casing rests, being so adapted as to hold the lower portion of the machine unit located within the casing in an enveloping manner while leaving the remaining upper exposed machine portion available for the operation thereof, and latch means on said casing adapted for releasable engagement with said machine unit to hold the unit firmly positioned upon the casing for its required operating functions.

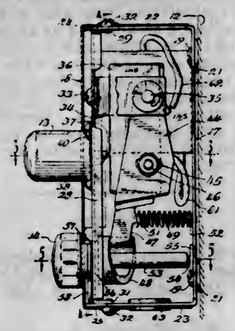
2,493,189
CARTON
William P. Frankenstein, Cincinnati, Ohio
Application August 20, 1945, Serial No. 611,566
10 Claims. (Cl. 229—34)



1. In a carton of the class described formed from a single blank comprising a base member, side walls formed from extensions from two opposite sides of said base member and each including an outer wall member and an inner wall member one of which wall members is integrally hingedly connected to the base member and which wall members are spaced from one another for at least a portion of their height upwardly from the base member, a top wall member between the inner and outer wall members and having at least one edge thereof integrally hingedly connected with the top edge of one of said inner and outer wall members and the top wall member having its opposite edge hingedly connected to the remaining of said inner and outer wall members and a bottom wall member having one of its edges integrally and hingedly connected to the one of said inner and outer wall members free of the base member, and said bottom wall member having a glue flap extending from its other edge permanently secured to the one of said inner and outer wall members hingedly connected to the base member, whereby said wall members may be folded flat on one another to be erected normal

to one another prior to the positioning of the side wall normal to the base member, walls from the remaining edges of the bottom member, and cooperating means on said side walls and end walls for locking same in erected positions.

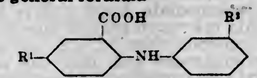
2,493,190
VIBRATION-PROOF THERMOSTATIC SWITCH
William F. Fuchs, Spring Valley, Ill., assignor to Sampeel Time Control, Inc., Spring Valley, Ill., a corporation of Illinois
Application December 19, 1946, Serial No. 717,247
2 Claims. (Cl. 200—140)



1. A device for thermostatically controlling electrically operable exhaust fans comprising a sheet metal housing including a back panel and spaced end panels, an instrument plate secured to said end panels, a micro-action switch unit pivotally supported on a bracket which is mounted at one end of said instrument plate, a follower arm adjustably carried by said switch unit and having a follower projection disposed over an opposite end of said instrument plate, a cylindrical regulator rotatably mounted in said opposite end of said instrument plate having a helical cam surface against which said follower projection of said arm is adapted to impinge, a spring urging said follower arm against said helical cam surface and thereby yieldably maintaining said switch unit in a forward position, and a thermostatically responsive unit comprising a Sylphon bellows actuated plunger for operating said switch unit by pressing a switch element thereof in a direction opposing said compression spring whereby excessive projection of said Sylphon bellows plunger as during temperature extremes may act to compress said spring and to cause said switch unit to recede from its said forward position when the full movement of said switch element has been spent.

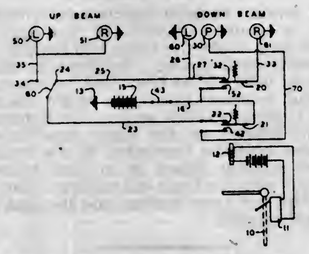
2,493,191
MANUFACTURE OF 2,7-DIAMINOACRIDONE
Alan August Goldberg and William Kelly, Bradford-on-Avon, England, assignors to Ward, Blenkinsop & Company Limited, Liverpool, England, a British company
No Drawing. Application March 8, 1946, Serial No. 653,162. In Great Britain March 12, 1945
9 Claims. (Cl. 260—279)

3. A process for the production of a 2,7-disubstituted acridone in which each of the substituents contains a nitrogen atom directly linked to a nuclear carbon atom which comprises heating a 3':4-disubstituted diphenylamine - 2 - carboxylic acid of the general formula



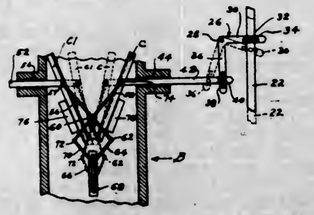
in which R^1 is selected from the group consisting of amino, carboxylic acylamido and nitro and R^2 is selected from the group consisting of amino and carboxylic acylamido, with concentrated sulphuric acid for about one and a half to two hours at about 100° C.

2,493,192
ANTIGLARE HEADLIGHT SYSTEM FOR AUTOMOTIVE VEHICLES COMPRISING SELECTIVELY ENERGIZED POLARIZING AND NONPOLARIZING LIGHT SOURCES
David S. Grey, Lexington, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application October 10, 1946, Serial No. 702,472
3 Claims. (Cl. 88—1)



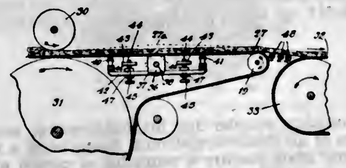
1. In an automobile headlight system, in combination, a pair of nonpolarizing headlights, each of said headlights including means providing an up beam and means providing a down beam, at least one light-polarizing headlight, means for lighting said headlights, a light-polarizing viewing visor placeable in operative and in nonoperative positions, switching means for placing both said nonpolarizing headlights in circuit with said lighting means when said visor is in nonoperative position and for placing said light-polarizing headlight and one of said nonpolarizing headlights in circuit with said lighting means when said visor is in operative position, and means mechanically connecting said visor and said switching means whereby said switching means is actuated by movement of said visor between said operative and nonoperative positions.

2,493,193
CUP CRUSHER
Howard B. Hait, Philadelphia, Pa.
Application October 26, 1944, Serial No. 560,511
3 Claims. (Cl. 225—21)



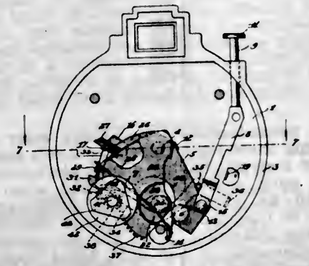
1. A cup crusher comprising a pair of serrated plates, means to press said plates together, said means including a pair of lazy tongs, and means to actuate said lazy tongs whereby said plates will be moved together.

2,493,194
MANUFACTURE OF BONDED FIBER MATS
Arne W. Heino, Cloquet, Minn., assignor to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware
Application November 29, 1946, Serial No. 713,150
15 Claims. (Cl. 154—29)



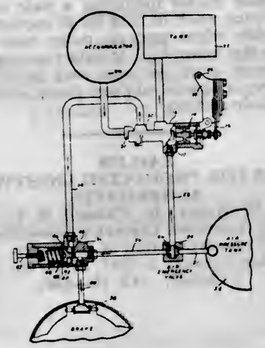
1. Apparatus for separating a loosely felted wet fiber mat from an endless conveyer belt to which said mat is resultingly united in formation thereon by a continued deposition from a gaseous medium of substantially individualized fibers, comprising means for moving said forming conveyer belt and the mat thereon continuously in a substantially horizontal direction and planewise of the belt toward a region at which the mat and the belt are to be separated, means for imparting a bouncing impact to the underside of the conveyer belt for producing motion of the belt and mat in a substantially vertical direction before the affected portion reaches said region of separation, whereby the different forces acting on the belt and on the mat to return them after an impact effect a weakening of the union between the mat and the belt whereby the mat is readily removed from the belt, and moving means to receive, support and carry away the mat as it is discharged and separated from the belt.

2,493,195
PHOTOGRAPHIC SHUTTER HAVING A PIVOTED BLADE AND COVER BLIND
Julius A. Henne, Rochester, N. Y., assignor to Webster Industries, Inc., Webster, N. Y., a corporation of New York
Application March 20, 1947, Serial No. 735,985
3 Claims. (Cl. 95—60)



1. In a photographic shutter, the combination with a supporting plate having an exposure aperture, of a shutter guard pivotally mounted on the supporting plate and having a radial extension with an actuating lug at its outer end, a shutter blade pivotally mounted on the supporting plate above the shutter guard and movable about a center spaced from the center of movement of the shutter guard, the shutter blade having a cut-away portion movable over the exposure aperture, and a spring arm extending peripherally of said cut-away portion and terminating in a radially projecting finger engaged by the aforesaid lug during their forward movements and movable radially relatively to the latter to release the shutter blade before the shutter guard reaches the limit of its movement, the lug moving under said finger for reengagement therewith during the return movement of the shutter guard.

2,493,196
LIQUID PRESSURE BRAKE SYSTEM WITH EMERGENCY AIR PRESSURE OPERATOR
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application April 22, 1946, Serial No. 663,990
3 Claims. (Cl. 188—152)



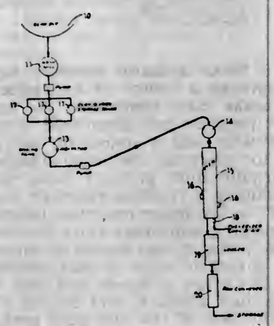
1. In a brake actuator pressure supply system comprising a source of hydraulic pressure fluid, a brake valve controlling the flow of the hydraulic pressure fluid from said source to the brake actuator and a source of emergency air pressure for operating the brake actuator in case the hydraulic fluid pressure fails, said brake valve including a reaction chamber for imparting "feel" to the brake operator, conduit means interconnecting said brake valve reaction chamber, brake actuator and source of emergency air pressure, a control valve in said conduit means, between the brake actuator and said source of hydraulic fluid pressure, said control valve controlling the flow of the hydraulic pressure fluid from said brake valve to the brake actuator, and a selector valve interposed in said conduit means between the brake actuator and the said source of emergency air pressure and adjustable to connect said control valve and brake actuator back to said reaction chamber or to close the said connection back to the reaction chamber and open the emergency air pressure source to the brake actuator, said conduit means including a conduit portion common both to a back flow of the hydraulic fluid pressure to the said reaction chamber, and when said back flow is closed, to a flow of the emergency air pressure to the brake actuator.

2,493,197
SLIDING VANE PUMP
De Forest C. Inman, Clarkston, Mich.
Application December 15, 1947, Serial No. 791,815
1 Claim. (Cl. 103—135)



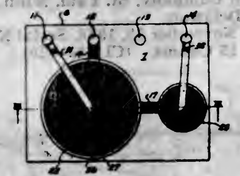
A sliding vane pump comprising a cylindrical housing, opposed intake and outlet members on said housing, an eccentric rotor rotatable in said housing, said rotor formed with a pair of spaced apart parallel slots extending transversely therethrough, a blade slidable in each of said slots, each of said blades including a pair of aligned blade sections, each of said blade sections having parallel side edges and an outer edge engageable with the inner wall of said housing, and an oblique inner edge between said parallel edges confronting a spaced oblique inner edge on the aligned blade section.

2,493,198
PROCESS FOR PRODUCING LIGHTWEIGHT AGGREGATES
Frederick W. Kelley, Jr., Catskill, N. Y., assignor to North American Cement Corporation, Catskill, N. Y., a corporation of Delaware
Application January 7, 1947, Serial No. 720,599
7 Claims. (Cl. 25—156)



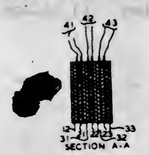
1. In the manufacture of light weight rounded aggregate composed of an artificially expanded clay interior covered by a fused substantially water impermeable layer coated with an unfused rough textured layer, the improvement which comprises forming the clay into pellets of heterogeneous size, coating and bloating the pellets all as a continuous operation in an inclined rotary kiln into which the clay is introduced in the form of an aqueous slurry into the upper end thereof and a non-fusing coating is introduced at an intermediate point where the clay is in the form of damp lumps.

2,493,199
ELECTRIC CIRCUIT COMPONENT
Alfred S. Khouri and William C. Fischer, Milwaukee County, Wis., assignors to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application August 15, 1947, Serial No. 768,784
1 Claim. (Cl. 178—44)



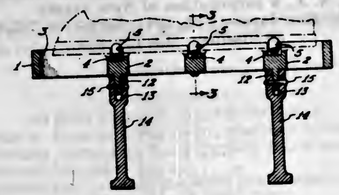
A unitary coupler for interconnecting several stages of an electronic circuit, comprising a rigid ceramic plate having a plurality of alined apertures therethrough adjacent one edge thereof, a resistor formed on one surface of said plate, a pair of conductors formed on said surface and connecting each end of said resistor to an outer one of said apertures, a second resistor formed on said surface, a pair of conductors formed on said surface and connecting each end of said second resistor to an inner one of said apertures, a band of conductive material formed on the other surface of said plate and connected with an inner one of said apertures, a pair of capacitors each consisting of a high dielectric constant ceramic base having conductive plates coated on the opposite sides thereof, said capacitors being relatively spaced and fixed to said other surface with a conductive plate of each connected to said conductive band, and a conductor connected to each of the other conductive plates and with the outer ones of said apertures, each conductor in an aperture being connected whereby said unitary coupler may be readily utilized to interconnect several stages of an electronic circuit.

2,493,200
VARIABLE POLARIZING COLOR FILTER
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application May 31, 1946, Serial No. 673,405
21 Claims. (Cl. 88—112)



9. An instantaneously responsive color filter comprising three light-polarizing layers and two sheets of material having a high electro-optical activity, each sheet being adapted when subjected to an electric field of predetermined strength to function as a half-wave retardation device, the polarizing layers and the sheets besheets intercepts all the light acted upon and ing so positioned that each of the layers and said layers and sheets alternate in the filter, two of the polarizing layers having dichroic substances effective over predetermined wavelength bands in the visible spectrum incorporated therein and the third polarizing layer being a substantially neutral light-polarizing layer adapted to polarize substantially uniformly all visible light, all of said sheets being positioned when functioning as half-wave plates with their principal directions of vibration at angles of approximately 45° to the polarizing axes of the polarizing layers, and means for selectively subjecting the sheets to said electric field to vary the color of the light transmitted by the filter.

2,493,201
PRESSING IRON HOLDER
Harry G. Lantenschlager, Cincinnati, Ohio
Application October 2, 1947, Serial No. 777,382
4 Claims. (Cl. 248—117.2)



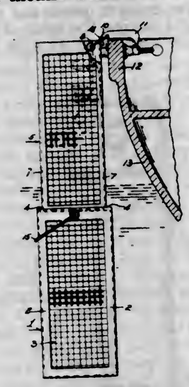
1. A sad iron stand having a flat upper casting having an opening for receiving the base of a sad iron and a plurality of bars extending across the opening, grooved portions in said bars, and a heat resistant rib resiliently and detachably mounted in each of said grooved portions and a plurality of upright supports demountably secured to said upper casting.

2,493,202
PROCESS OF MAKING A FLUID OIL-BEESWAX VEHICLE FOR THE PARENTERAL ADMINISTRATION OF DRUGS
Thomas J. Macek, Irvington, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application June 7, 1946, Serial No. 675,312
1 Claim. (Cl. 167—82)

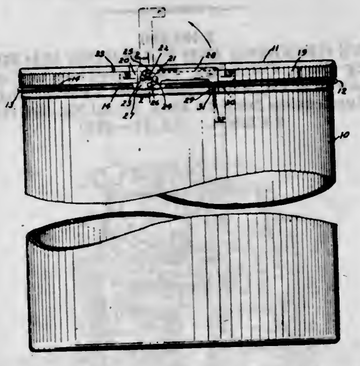
The process for producing an improved pharmaceutical vehicle for parenteral administration which comprises heating a mixture of 4.8% weight to volume of beeswax in peanut oil for from 1 to 4 hours at a temperature between 150° and 180° C. and rapidly cooling the mixture with constant agitation thereby forming a vehicle consisting of a homogeneous suspension of finely divided particles of beeswax in peanut oil, said vehicle being fluid at room temperature.

2,493,203
FISH BOX FOR BOATS
John J. Madeksho, Chicago, Ill.
Application November 3, 1948, Serial No. 58,150
3 Claims. (Cl. 43—55)

1. A fish box for boats comprising, a box-shaped outer container, a box-shaped inner member telescopically carried by said outer container, means terminally carried by said container and member preventing their complete separation from each other, a handle for said outer container, and means carried by said inner member for releasably attaching same to the gunwale of a boat, said means when released from a boat being movable into suspended position within the interior of said inner member.



2,493,204
BARREL COVER LOCKING MEANS
Frederick Mauer, Matawan, N. J.
Application May 10, 1947, Serial No. 747,243
5 Claims. (Cl. 217—89)

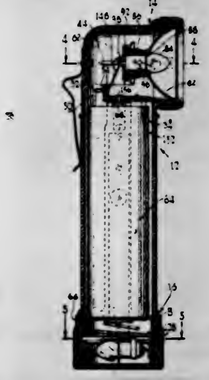


1. A closure for a receptacle comprising a circular head member having a depending flange, slits in said flange for rendering it flexible, a split band encircling said flange, said band having adjacent ends, a lever pivotally mounted on said flange for movement in a plane substantially tangential to said flange, and camming means connecting said lever to said opposite ends of said band for compressing said band around said flange upon pivotal movement of said lever in one direction.

2,493,205
PORTABLE ELECTRIC FLASHLIGHT
Bernard Francis Muldoon, Caldwell, N. J., assignor to Henry Hyman, New York, N. Y.
Application September 21, 1943, Serial No. 503,182
19 Claims. (Cl. 240—10.67)

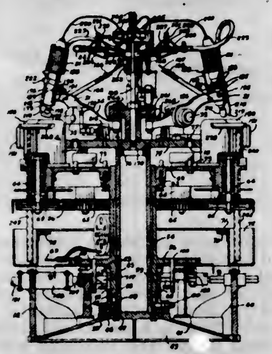
1. An angle head flashlight comprising a one piece molded plastic casing, including a tubular

battery receiving portion and a tubular head whose axis of symmetry intersects the axis of symmetry of the battery receiving portion substantially at right angles, the ends of said battery receiving portion and head at said intersection



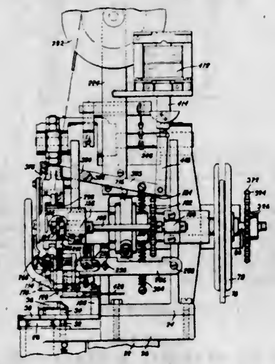
being integrally connected, and a partition within said casing substantially closing off both said integrally connected ends, said partition being formed integrally with the casing and reinforcing the battery receiving portion and head against distortion and breakage.

2,493,206
LENS GRINDING AND POLISHING MACHINE
Perry Okey, Columbus, Ohio, assignor to Perry-Lowell & Co., Columbus, Ohio, a partnership
Application June 27, 1945, Serial No. 601,749
9 Claims. (Cl. 51—134)



3. In a lens grinding machine in combination, mechanism comprising a table having a plurality of rotatable lens blank supports; grinding mechanism comprising a plurality of abrading wheels adapted to be associated with lens blanks carried by the lens blank supports; a fluid pressure circuit including a source of fluid pressure, pressure responsive means for successively rotating said table to change the relative position of the lens blank supports and abrading wheels, pressure responsive means for moving said table vertically toward the abrading wheels; means responsive to vertical movement of the table for rotating the abrading wheels; means responsive to vertical movement of the table for rotating the lens blank supports; a valve selectively movable for connecting the source of pressure either with the first or second mentioned means, a valve for controlling the flow of fluid to the first mentioned pressure responsive means; and means responsive to the vertical movement of the table for preventing opening of the second valve until the second mentioned mechanism has been moved to a predetermined position by the second mentioned pressure responsive means.

2,493,207
MACHINE FOR USE IN THE MANUFACTURE OF INSOLES
Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 31, 1947, Serial No. 725,415
38 Claims. (Cl. 12—20)

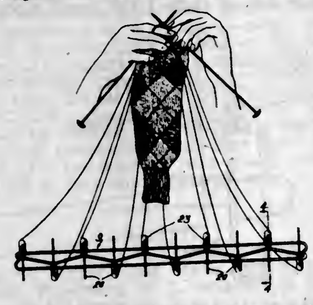


12. A machine for working canvas progressively into a rib groove of an insole matrix which has also an edge groove ending at the breast line, the bottom of said groove being at a uniform distance from the rib groove, comprising a guide running in the edge groove, means for feeding the matrix, a trigger adjacent to the guide, a support for the matrix including a series of rolls upon which the matrix rests, the axes of the rolls being inclined to the direction of feed to crowd the matrix against the edge guide, means for inserting the canvas into the rib groove as it is fed, means for inserting a core piece into the groove, means for severing the core piece, a solenoid for operating the core-severing means, and means operated by the trigger when the end of the edge groove is reached for energizing the solenoid.

2,493,208
HOLDER FOR BOBBINS
Richard D. Sedgewick, Durham, N. H.
Application April 16, 1947, Serial No. 741,815
4 Claims. (Cl. 242—130)

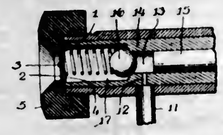
1. A bobbin-holder for use while hand-knitting a fabric, said holder comprising a single elongated mobile body unit of substantially greater width than thickness and formed along a marginal portion thereof with a row of spaced-apart transversely disposed slits for holding a plurality

of loaded bobbins of sheet material in orderly spaced-apart relationship while the yarns of said



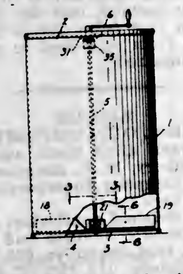
bobbins are connected with the fabric and the latter is being moved about.

2,493,209
SPRAY OR ATOMIZER NOZZLE
Frank A. Simmons, Elgin, Ill., assignor to Burgess Battery Company, Lake Zurich, Ill., a corporation of Delaware
Application January 25, 1949, Serial No. 72,720
11 Claims. (Cl. 299—153)



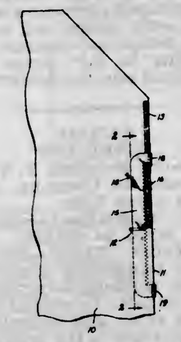
3. An atomizer nozzle comprising outer and inner elements clamped together at their peripheries and having nonregistering apertures therein, at least one of said elements being resilient, each of said elements having a cavity inwardly of and communicating with the aperture therein, said elements being substantially in engagement at areas adjacent said cavities.

2,493,210
CONTAINER WITH AGITATOR MOUNTED THEREIN
William S. Woodman, Cleveland, Ohio
Application July 3, 1947, Serial No. 758,822
6 Claims. (Cl. 259—107)



6. A sheet metal container having top and bottom heads provided with central axially alined openings, a detachable closure for the top opening, a tubular bushing in the bottom opening having an external fluid-tight connection to its head and projecting upwardly into the container, said bushing being internally threaded, an agitating impeller formed of a strip of sheet metal and having a flat central hub portion and oppositely inclined end portions, said hub portion having a central opening provided with an upstanding marginal flange that receives said bushing, said impeller having an attached coupling member in the form of a plate bent to U shape and having upright end portions attached to said hub portion on opposite sides of said opening, said coupling member having an opening axially alined with said hub opening, a threaded plug having a wrench receiving socket in its top and a flange at its upper end that projects past the top of said bushing and overlies the flange of said hub to retain said impeller on said bushing, said plug being of a length less than that of the upright end portions of said coupling member, a shaft detachably engaging said coupling member, extending through the opening thereof and having a laterally bent lower end that has driving engagement with an upright of said coupling member, and a bearing member carried by the upper head to position the upper end of said shaft in alinement with the opening in the top head.

2,493,211
INDEX AND SIGNAL
Carl F. Wolters, Kenmore, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application May 17, 1945, Serial No. 594,330
9 Claims. (Cl. 129—16.7)

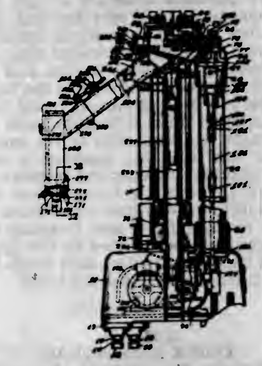


1. An index comprising a card formed with a slot adjacent but spaced from an edge thereof, an index on the margin of said card between the edge and said slot, and a signal positioned through the slot and having body portions disposed against opposite faces of the card in spaced relation inwardly of said edge and margin, said signal being formed with lateral extensions terminating in lips engaging the edge of the card and facing in opposite directions.

2,493,212
APPARATUS FOR FEEDING AND TRANSFERRING ARTICLES
Willy E. Zimmermann and Herman E. Weidans, Chicago, Ill., assignors to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Illinois
Application June 3, 1946, Serial No. 674,054
18 Claims. (Cl. 226—88.1)

1. In combination a frame, a base, a container closure delivery chute associated with said frame;

a rotatable turret type magazine mounted upon said base and adapted to contain a plurality of preformed container closures; means for withdrawing said preformed closures from the upper end of said rotatable magazine; said closure withdrawing means being arranged to transfer said withdrawn closures; means for moving the supply



of closures upwardly in said magazine; said closure withdrawing and transferring means being arranged for coaction with differential air pressure for causing said closures to adhere to said closure withdrawing means, and means for normalizing said differential pressure whereby the closure adhering to the closure withdrawing means is deposited into the delivery chute.

2,493,213
LUBRICANT

Mario S. Altamura, Brooklyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application October 31, 1945, Serial No. 625,955
1 Claim. (Cl. 252—35)

A mineral oil composition comprising a mineral oil fraction normally permitting rusting of ferrous metal surfaces in contact therewith in the presence of water, and normally susceptible to emulsion formation in the presence of water, having in admixture therewith a minor proportion, from about 0.01 per cent to about 1.0 per cent of triethyllead caproate.

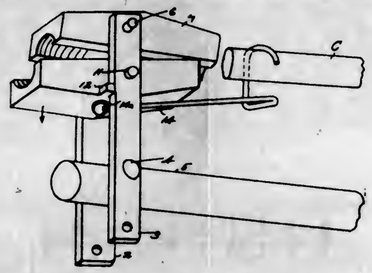
2,493,214
SPRING-LIFT JAW CABLE GRIP

Henry Peck Bardshar, Los Angeles, Calif.; Camilla C. Bardshar administratrix of said Henry Peck Bardshar, deceased

Application May 23, 1946, Serial No. 672,841
2 Claims. (Cl. 294—92)

1. A gripping tool of the class set forth including a pair of cooperative, elongate jaw blocks, a pair of elongate, parallel levers on the upper ends of which the blocks are pivoted one under the other substantially at a right angle to the levers and which levers are spaced by the blocks, lever engaging lugs on the outer sides of the lower block to limit down tilt of the outer end of said block, a spring arm fixed to the bottom of the lower block and having a hook on its rear end to engage over a cable in the blocks, and a handle pivoted on the lower ends of the levers.

2. The tool of claim 1 the upper block being

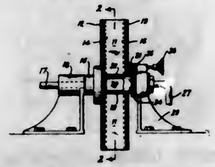


overbalanced to automatically tip into normal engagement with the rear portion of the lower block.

2,493,215
SURFACE TREATING DEVICE

Kenneth H. Barnes, Mishawaka, Ind., assignor to American Wheelabrator & Equip. Corp., Mishawaka, Ind., a corporation of Delaware

Application March 6, 1947, Serial No. 732,727
7 Claims. (Cl. 51—9)



1. A centrifugal throwing wheel for projecting liquid comprising, a central portion; a hollow shaft supporting said central portion for rotation of the wheel about the shaft axis; a plurality of blades extending from said central portion to the outer periphery of the wheel; a central chamber within said central portion, said chamber having a radially directed elongated discharge opening in its peripheral wall adjacent to the inner ends of the blades adapted to discharge liquid therethrough in substantially radial direction; and a pair of pressure ducts for supplying liquid under pressure into said chamber from both ends, one of said ducts extending through said hollow shaft, the chamber being liquid tightly closed except for said discharge opening, and the interior of the chamber being free from obstructions, whereby flow of liquid from said duct to said discharge opening is unimpaired.

2,493,216
MINERAL OIL COMPOSITION

Henry G. Berger, Glen Rock, and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Original application June 9, 1944, Serial No. 539,597. Divided and this application May 29, 1946, Serial No. 673,150
2 Claims. (Cl. 252—33.4)

1. An improved mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith: a minor proportion, from about 0.5 per cent to about 10 per cent, of an oil-soluble metal sulfonate; a minor proportion, from about 0.1 per cent to about 3.0 per cent, of an oil-soluble, phosphorus- and sulfur-containing reaction product obtained by reaction of a phosphorus sulfide and a material selected from the group consisting of a dicyclic terpene and an essential oil predominantly comprised of a dicyclic terpene, at a temperature greater than about 100° C.; and a minor proportion, from about 0.25 per cent to about 2.0 per cent, of an oil-soluble, phosphorus- and sulfur-containing reaction product obtained by reaction of substantially one mol of phosphorus pentasulfide and four mols of oleyl alcohol at a temperature from about 125° C. to about 150° C. for a relatively short time.

2,493,217
MINERAL OIL COMPOSITION

Henry G. Berger, Glen Rock, and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

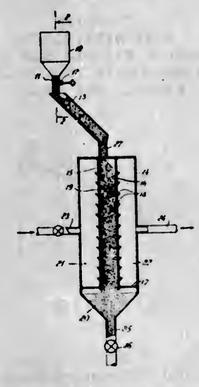
No Drawing. Original application June 9, 1944, Serial No. 539,597. Divided and this application May 29, 1946, Serial No. 673,152
10 Claims. (Cl. 252—42.7)

1. An improved mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith: a minor proportion, from about 0.5 per cent to about 10 per cent, of an oil-soluble, sulfurized metal carboxylate; and a minor proportion, from about 0.10 per cent to about 3.0 per cent of an oil-soluble, phosphorus- and sulfur-containing reaction product obtained by reaction of a phosphorus sulfide and a material selected from the group consisting of a dicyclic terpene and an essential oil predominantly comprised of a dicyclic terpene, at a temperature greater than about 100° C.

2,493,218
GAS-SOLID CONTACT PROCESS

Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application December 4, 1945, Serial No. 632,722
4 Claims. (Cl. 23—1)

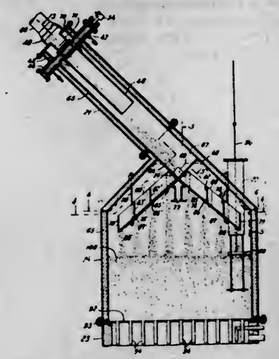


1. In a gas-solid contacting process the steps: passing a stream of particle form solid contact mass material downwardly through an elongated, inclined feed zone until the smaller sized particles concentrate on the underside of said stream, directing said stream into a substantially vertical, confined contacting zone so that the underside of said stream containing the concentration of smaller particles passes to one side of said contacting zone and the upper side of said stream containing the larger particles passes to the opposite side of said zone, passing said contact material through said contacting zone as a substantially compact column, withdrawing contacted material from the lower section of said contacting zone, introducing contacting gas into said contacting zone along that side on which the smaller solid particles are concentrated, passing said gas through said column of contact material and withdrawing said gas from that side of said contacting zone on which the larger solid particles are concentrated.

2,493,219
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION

Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application July 30, 1947, Serial No. 764,834
11 Claims. (Cl. 196—52)



1. A continuous cyclic process for the catalytic conversion of hydrocarbons comprising: passing an adsorbent catalyst consisting of particles of differing sizes downwardly through a confined conversion zone as a substantially compact column while passing fluid hydrocarbon reactants through said column to effect the conversion thereof, maintaining a separate column of downwardly moving catalyst in a confined regeneration zone in contact with a combustion supporting gas to burn carbonaceous contaminants from said catalyst, maintaining a bed of spent catalyst in a spent catalyst supply zone vertically above said column in said regeneration zone and communicating therewith through at least one compact gravitating stream of catalyst, withdrawing spent catalyst from said conversion zone and conveying it upwardly to a location above and laterally of said spent catalyst supply zone, continuously flowing a stream of said spent catalyst from said location onto the upper end of a flat inclined surface of substantial width and effecting uniform distribution of catalyst all across said surface by oscillating the discharge end of said stream laterally back and forth across the width of said flat inclined surface, flowing the distributed catalyst down said inclined surface as a substantially continuous primary stream to a location within the upper section of said supply zone substantially above the surface of the bed therein, whereby the smaller particles become concentrated along the bottom of said primary

stream, splitting said primary stream as it reaches the lower end of said inclined surface along vertical planes running transversely of the width of said primary stream to form a plurality of secondary streams, whereby the overall distribution particle size in each secondary stream is substantially the same as in said primary stream, flowing said secondary streams in downwardly sloping paths to a plurality of spaced locations above the surface of said bed and uniformly distributed with respect its horizontal cross-sectional area, flowing said secondary streams substantially vertically downward from said locations onto the surface of said bed, withdrawing regenerated catalyst from the lower section of said regeneration zone and returning it to said conversion zone.

2,493,220

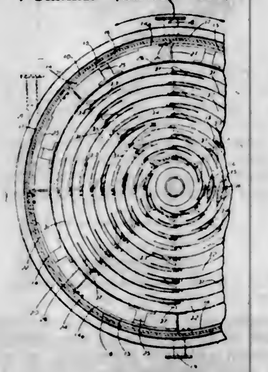
ROTARY DRUM EVAPORATOR WITH CONCENTRIC EVAPORATING CHAMBERS

James Edward Bibby, Birkenhead, England, assignor to J. Bibby & Sons Limited, Liverpool, England, a British company

Application August 15, 1946, Serial No. 690,764

In Great Britain September 5, 1945

7 Claims. (Cl. 202—236)



1. An evaporator, comprising a casing, a cylindrical drum rotatably mounted in said casing with its axis of rotation horizontal and having its peripheral surface spaced from the interior surface of the casing to provide an evaporation chamber between said surfaces, a heating means for said chamber, inlet means for introducing liquid to be treated into said evaporation chamber, an outlet for vapor, discharge means for residual liquid and blades on the drum working on the interior surface of the casing, some at least of the blades extending in a slantwise direction around and along the peripheral surface of the drum, spaced apart apertured circumferential partitions within the drum dividing it into a series of annular chambers, means connecting the evaporation chamber to the outermost annular chamber for the passage of residual liquid thereto, at least one scoop on each partition and in register with an aperture therein for scooping up liquid from a body of liquid thrown by centrifugal force due to the speed of rotation of the drum against the outer peripheral surface of an annular chamber, said scoop transferring the liquid inwardly to the next inner chamber as the drum rotates, means for passing steam through the annular chambers, an outlet for vapor and an outlet in the innermost chamber for residual liquid.

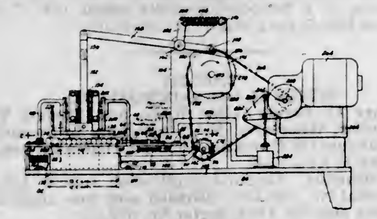
2,493,221

APPARATUS FOR PACKAGING CIGARS IN LAYERS WITH THE CIGARS IN ONE LAYER STAGGERED WITH RESPECT TO CIGARS IN ADJACENT LAYERS

Girard E. Boudreau, Clinton, Iowa, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 4, 1945, Serial No. 603,187

8 Claims. (Cl. 226—14)



1. In a machine for packaging cigars in superimposed layers in a cigar box, a pair of oppositely disposed spaced yieldable guides between which the cigars are fed and disposed to form successive layers, a plunger above said guides, means to position a cigar box beneath said guides, means to actuate said plunger at predetermined times whereby it inserts the layer of cigars on said guides in said box, means to decrease the successive downward movements of the plunger, in the packaging of a box, an amount equal to the diameter of a cigar, means adjacent the forward end of and cooperating with said guides to vary the number of cigars in each layer successively formed on said guides so that the number of cigars in every other layer inserted in the box is equal and in adjacent layers differs by one, and means to shift the box to permit the cigars of each layer to be inserted in superimposed staggered relationship with respect to the cigars of the layer inserted immediately prior thereto.

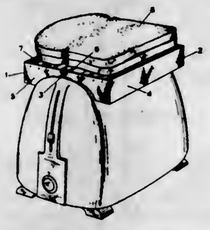
2,493,222

WARMING RACK

Benjamin E. Braucht, Salem, Oreg.

Application January 24, 1949, Serial No. 72,319

5 Claims. (Cl. 99—339)



1. A grill for use with a toaster of the type having in its top two spaced slots and a space therebetween for receiving bread slices, said grill comprising a frame for overlying said toaster and having at opposite ends two relatively pivotal fingers for insertion in the toaster slots and which incline toward each other in operative position to underlie the space between the slots and anchor the frame to the toaster in a position above the toaster slots to receive heat therefrom.

2,493,223

MULTIPLE COMPARTMENT VENDING MACHINE

John B. Brock, Adairsville, Ga.

Application September 8, 1947, Serial No. 772,857

18 Claims. (Cl. 312—48)



18. In a vending machine having a plurality of compartments formed by a plurality of spaced partitions disposed within a suitable cabinet, a plurality of rotatable shafts, there being a shaft mounted adjacent each side of each of the lowermost end of each of the compartments, means connecting all of the shafts together for simultaneous rotation, said cabinet having a sloping shelf and an opening therein through which articles are adapted to be delivered, the articles being adapted to be stacked in succeeding higher levels in said compartments, each of said shafts having cam means thereon for preventing downward movement of the articles disposed within the compartment, but upon rotation of all of the shafts, the cams on one of the shafts serving to release the lowermost article in one of the compartments and the cams on an adjacent shaft also passing below the next lowermost article in that compartment to prevent its falling from the compartment, and means connected to all of said shafts for imparting simultaneously a partial rotation thereto.

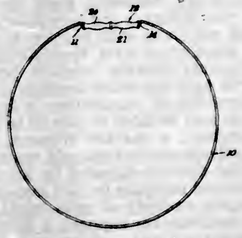
2,493,224

SKIPPING HOOP

Harold Brunt, Los Angeles, and Quincy E. Dohman, South Gate, Calif.

Application February 2, 1946, Serial No. 645,038

2 Claims. (Cl. 272—74)



1. A skipping hoop comprising an endless and integral member the major portion of which is formed to comprise a curved loop and the remainder of which is formed as a straight portion offset inwardly toward the center of the loop, crank arm portions integrally connecting the ends of the curved loop and straight portion, and a tubular handle freely rotatable on said straight portion and held against endwise displacement by the crank arms, said handle having two side-by-side hand grips formed thereon.

2,493,225

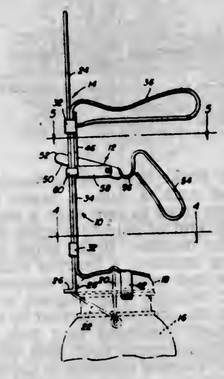
JAR SEALER

William M. Cassidy, Madison, Maine

Application May 27, 1948, Serial No. 29,557

2 Claims. (Cl. 226—84)

1. In a jar having a lid and a sealing bail therefor, a sealing device consisting of a jar lid engaging member, a jar sealing member slidably retained on said lid engaging member, pivoted means extending through said members for actuating said sealing member, and means to operate said pivoted means, said sealing member consisting of a shank, a slot in said shank and a lateral flange on said shank, said flange engaging the bail of a jar to clamp it in sealing position when said shank member is moved downward.



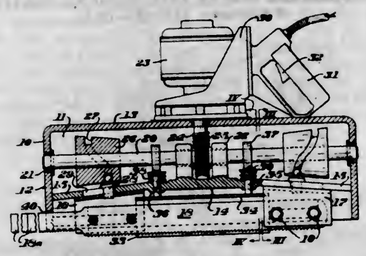
2,493,226

PORTABLE POWER-DRIVEN FILE

Frank A. Cole, Pittsburgh, Pa.

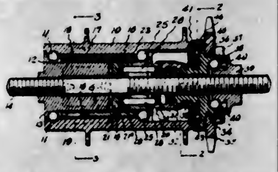
Application December 3, 1946, Serial No. 713,691

5 Claims. (Cl. 29—76)



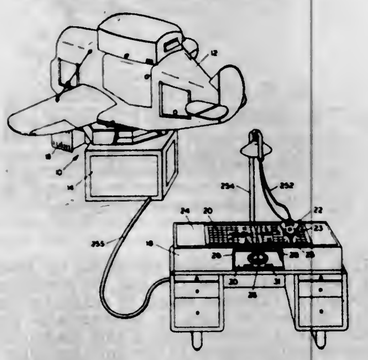
1. In a portable power-driven file for smoothing metal surfaces or the like, in combination, a plurality of toothed blades in parallel arrangement adapted to form a substantially planar toothed filing surface, each of said blades having all of its teeth directed in the same direction and alternate ones of said blades having their respective teeth directed in opposite directions, all of said blades having their respective teeth directed in one direction comprising one group and all of the remaining of said blades comprising another group, a yoke attached to each of said groups of said blades having their teeth respectively directed in the same direction, means for moving said yokes apart substantially parallel to the length of said blades to effect a simultaneous linear cutting stroke in opposite directions, whereby said portable power-driven file is substantially non-creeping during operation.

2,493,227
COASTER BRAKE
Theodore K. Crossland, Hialeah, Fla.
Application December 31, 1946, Serial No. 719,490
5 Claims. (Cl. 192—6)



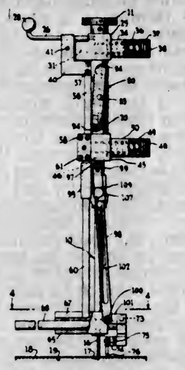
1. A coaster brake of the class described comprising a fixed axle, a hub, a brake shoe-supporting member fixed to said axle, a bearing unit supporting one end of said hub upon said brake shoe-supporting member, brake shoes carried by said supporting member, a bearing cone fixed to said axle, a second bearing unit supporting said hub in spaced relation with respect to the first mentioned bearing unit and carried by said cone, a driving element engaging said hub, a clutch movable into engagement with said driving element when the driving element is driven in one direction for rotating said hub, means for selectively moving said clutch into and out of clutching engagement with the driving element, and means adapted to be engaged with said brake shoes for forcing said shoes into braking engagement with said hub when said driving element is rotated in an opposite direction.

2,493,228
SIGNALING MEANS FOR TRAINING DEVICES
George Alton Decker, Fenton, N. Y., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York
Application May 18, 1944, Serial No. 536,119
4 Claims. (Cl. 35—10.2)



4. A device for teaching navigation by radio comprising, in combination, means for forming a miniature electric field of predetermined pattern simulating the field of a real radio range station, an antenna arranged for movement through said field to be energized thereby, a pair of earphones, a connection including an amplifier between said antenna and said earphones, a microphone connected to said earphones, a time delay circuit, means for forming and passing through the time-delay circuit a direct current proportional in magnitude to the strength of the energization of said antenna by said electric field, and means for regulating the strength of signals originating at said microphone when impressed on said earphones according to the output of said time-delay circuit.

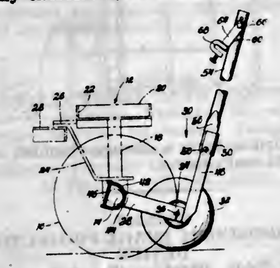
2,493,229
INSTRUMENT FOR DRAWING ELLIPSES OR THE LIKE
James W. Dibrell, Brooklyn, and Peter White, Queens Village, N. Y.; Dorothy Lemmon White, administratrix of said Peter White, deceased, assignor to said Dibrell
Application August 26, 1948, Serial No. 46,288
8 Claims. (Cl. 33—30)



1. A drawing instrument of the character described comprising a main shaft, a ring having a circular outer surface and whose central plane is angularly adjustable relative to the axis of said shaft, a cam follower rod movable over the outer surface of said ring, supporting members rotatably carried on said main shaft, guide rods movable in said supporting members radially of said main shaft, members fixed to said guide rods, said cam follower rod being secured to said last-named members with its axis in parallelism with said main shaft axis, spring-biasing means for maintaining surface contact between said follower rod and the outer surface of said ring, a bar extending in parallelism with said cam follower rod and secured to one of said two last-named members, a marker support, supporting means rotatively carried on said main shaft and having a slot therein engaged by an end of said bar, a guide rod movable in said last-named supporting means radially of said main shaft and secured to said marker support, a marker carried by said marker support, a slider member movable over said bar, a slider member movable over said main shaft, linkage levers pivotally secured at opposite ends respectively to said first-named slider member and to said marker support and having longitudinally extending slots, reference pivots secured to said second-named slider member and slidable in said slots of said linkage levers, and adjusting means to fix the locations of said reference pivots at desired positions in said slots.

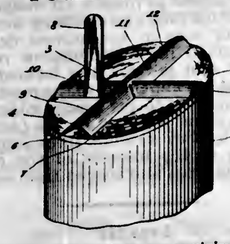
2,493,230
DISK TRANSPORT
Roy Dilley, Cedar Falls, Iowa, assignor to Waterloo Tire Retreading Company, Waterloo, Iowa, a copartnership
Application July 21, 1948, Serial No. 41,879
6 Claims. (Cl. 214—65.4)

1. In a device of the character described, for use with an implement having an axle and a frame thereabove, the combination comprising, a wheel and axle, a radially extending bracket mounted on the wheel and axle, a yoke mounted on the outer end of said bracket and opening outwardly therefrom, an arm rigidly secured to



said bracket and extending transversely therefrom, said yoke being adapted for positioning under and supporting the axle of the implement, a step plate mounted on the outer end of said arm, and means pivoted on the outer end of said arm for securing to the frame of the implement.

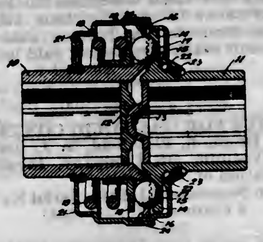
2,493,231
WOUND CONDENSER
Cornelis de Lange, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application September 10, 1946, Serial No. 695,891
In the Netherlands November 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 12, 1962
1 Claim. (Cl. 175—41)



A rolled foil capacitor, comprising a rolled foil assembly, a set of armature parts protruding from one end of the assembly, and a cruciform contact member for establishing an electrical connection to the armature parts, comprising a plurality of radially extending arms each having a V-shaped arched section in a plane normal to the direction of the radially extending arm with the opening of the V-shaped section turned toward the armature parts and having sharp cutting edges penetrating into the armature parts and solderably secured thereto.

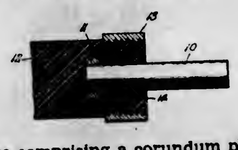
2,493,232
COUPLING
Adiel Y. Dodge, Rockford, Ill.
Application September 8, 1945, Serial No. 615,231
14 Claims. (Cl. 192—104)

1. A coupling comprising rotatable driving and driven members, one of the members being formed with recesses therein having diverging sides, coupling elements movably carried by the other member adapted to enter the recesses to connect the members, a spring acting on the coupling elements to urge them into the recesses, and means on the other member forming a cam surface lying at an obtuse angle to the line of



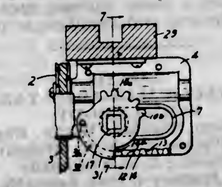
action of the spring and engageable with the coupling elements when they are out of engagement with the recesses.

2,493,233
PLUG GAUGE
Edward W. Dower, Elgin, Ill., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application December 27, 1944, Serial No. 569,953
3 Claims. (Cl. 33—178)



3. A gage comprising a corundum plug of uniform calibrated cross-section, a flexible rubber handle having a reduced threaded end surrounding a part of said plug, a layer of bonding material adherent to the plug and to the handle and effective to secure the embedded portion of the plug to the handle, and a form-retaining ferrule with an integral thread engaged with the handle thread and in compressing relationship with the material of the handle end, said ferrule being of larger external diameter than the body of said handle and having flat peripheral faces.

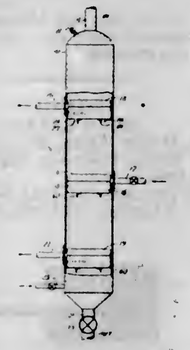
2,493,234
VENETIAN BLIND SUPPORTING MEANS
John W. Dunn, Alhambra, Calif.
Application January 16, 1946, Serial No. 641,528
7 Claims. (Cl. 160—167)



1. In combination, Venetian blind supporting brackets adapted to be attached to opposite sides of a window frame, a Venetian blind comprising a tilt bar and tiltable slats carried thereby, devices coacting with the brackets to support the tilt bar for tilting, said devices being operable to tilt the slats at one angle and move the blind bodily in one direction, and tilt the slats at an

opposite angle and move the blind bodily in an opposite direction, and means including instrumentalities for causing the tilt bar to rotate about a stationary axis when it reaches the limit of its bodily movement in one direction, said means comprising elements for holding said tilt bar translationally stationary during said latter rotation.

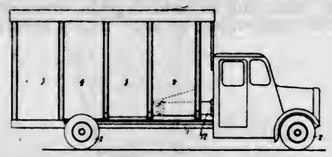
2,493,235
APPARATUS FOR GAS-SOLID CONTACTING
George S. Dunham, Plainfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 21, 1945, Serial No. 630,099
8 Claims. (Cl. 23—288)



1. In a gas-solid contacting apparatus, a gas handling member in the form of an inverted trough, a duct for gas flow associated with said gas handling member, said duct having at least one opening therein communicating the interior of said duct with the underside of said gas handling member at at least one location along the length thereof, a partition disposed inside of said trough mounted longitudinally of said trough and extending widthwise between the sides of said trough only below the location of said opening in said duct under said trough and substantially above the lower edges of said trough, said partition extending longitudinally only along a substantial portion of the length of said trough which is immediately adjacent the location of said opening in said duct thereby providing inside of said trough an upper passage adjacent the location of said opening having said partition as its bottom and a lower passage open along its bottom and having said partition as its roof.

2,493,236
HYDRAULICALLY ADJUSTABLE VEHICLE BODY
Thomas William Dunstan, Wigan, England, assignor to Walker Brothers (Wigan) Limited, Wigan, England, a British company
Application January 4, 1946, Serial No. 639,118
In Great Britain December 21, 1945
1 Claim. (Cl. 214—83.24)

A vehicle body including a fixed frame, a plurality of nesting telescopic floor compartments assembled a smaller within a larger, a stop on the outer side of each compartment at one end, a cooperating stop on the inner end of a compartment nested therewith, and double acting hydraulic means connected between the innermost nested compartment and the fixed frame to draw out or to collapse the nested compartments telescopically in turn to form a storage chamber of variable length and volume.

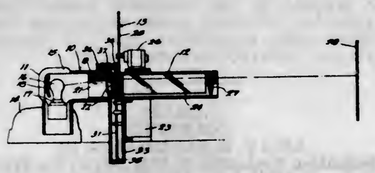


2,493,237
KALEIDOSCOPIC IMAGE PROJECTION DEVICE
William C. Eddy, Michigan City, Ind., assignor to Television Associates, Inc., Chicago, Ill., a corporation of Illinois
Application February 22, 1945, Serial No. 579,209
5 Claims. (Cl. 88—24)



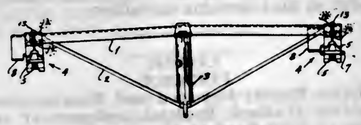
1. A kaleidoscopic projection device comprising an elongated tubular housing, a pair of elongated mirrors in the housing meeting at an angle at one edge, means to project an image into the one end of the mirrors, and shielding means adjacent the other ends of the mirrors defining an aperture of small linear dimensions relative to the width of said mirrors and located between said mirrors at a point closer to the meeting edges of said mirrors than to the spaced edges thereof, said aperture being bounded by the faces of said mirrors and by two straight lines substantially perpendicular to the bisector of the angle defined by said mirrors and spaced from said meeting edges.

2,493,238
KALEIDOSCOPIC IMAGE PROJECTOR WITH MASKING DEVICE
William C. Eddy, Michigan City, Ind., assignor to Television Associates, Inc., Chicago, Ill., a corporation of Illinois
Application October 3, 1945, Serial No. 619,965
4 Claims. (Cl. 88—24)



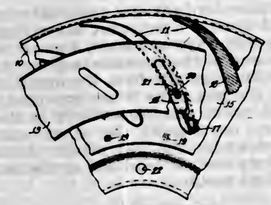
1. In a kaleidoscopic projection device having a light source, a pair of angularly arranged mirrors to receive light from said source and a movable film between the light source and mirrors for projecting movable kaleidoscopic images onto a screen, a movable opaque masking member interposed between the light source and the mirrors for masking the light passing through the movable film and provided with a tapered light transmitting portion to vary the passage of light to the mirrors for variably expanding and contracting the projected kaleidoscopic images upon movement of the masking member.

2,493,239
RAILWAY BRAKE BEAM STRUCTURE
Herbert W. Ekholm, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1948, Serial No. 1,830
13 Claims. (Cl. 188—233.3)



1. In a railway truss type brake beam, a compression member and a tension member with their end portions converging, end structure at each end of the beam and mounted on said end portions and including a brake head having a seat for a brake beam hanger and having a part for slidably mounting the beam from an adjacent bracket, and having elements disposed to mount said head on either end of the beam, said part extending outwardly of the beam when said head is assembled to one end of the beam and said part extending inwardly of the beam when said head is assembled to the other end of the beam, said seat being in functioning position at least when said part extends inwardly of the beam.

2,493,240
HYDRODYNAMIC COUPLING
Arthur P. Emmert, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 23, 1945, Serial No. 589,889
7 Claims. (Cl. 103—115)

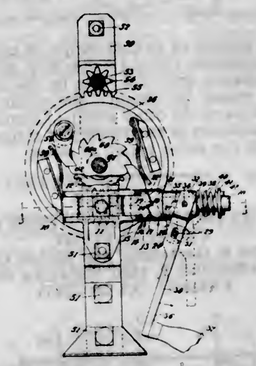


1. In a hydrodynamic coupling element, the combination of a hollow casing member, a plurality of spaced relatively rigid vanes within said member, and a shell fitting within said member, said shell having openings therein for receiving said vanes for properly locating the vanes within the shell and hollow member, each of said vanes having surfaces at opposite sides of its end adjacent said member diverging toward the latter and engaging complementary surfaces defining the opening in said shell receiving the vane whereby to provide a wedge interlock between the vane and shell preventing movement of the vane away from said shell.

2,493,241
DRY PLATE SELENIUM RECTIFIER
Stanley S. Fry, North Chicago, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
No Drawing. Application November 11, 1944, Serial No. 563,103
7 Claims. (Cl. 175—366)

1. The method of producing blocking layer devices which comprises providing a supporting electrode with a layer of gray, crystalline selenium, subjecting the surface of the selenium layer to the action of hot cyanogen gas and applying a counter-electrode over the treated selenium surface.

2,493,242
SCAFFOLD HOIST HOLDING MEANS
Hobart S. Geer, Jackson Heights, N. Y., assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y., a corporation of New York
Application December 13, 1947, Serial No. 791,590
2 Claims. (Cl. 74—528)



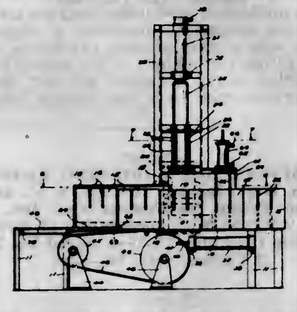
1. In a scaffold hoist brake having a worm shaft and a non-rotatable housing for the worm shaft, the combination of teeth on said housing, a sleeve mounted slidably on said shaft, teeth on said sleeve for meshing with the teeth of the housing, a bracket on said sleeve, a handle pivoted to the worm shaft and pivotally connected with the bracket, and a helical spring surrounding the shaft and pressing the sleeve teeth towards the teeth of the housing, the outward movement of the handle compressing the spring and moving the sleeve to disengage the teeth of the sleeve from the teeth of the housing and permit rotation of the worm, the release of the handle and its inward movement by the pressure of the spring moving the sleeve, and engaging said teeth and automatically locking the worm, against rotation.

2,493,243
METHOD AND APPARATUS FOR FORMING CELLULAR STRUCTURES
Joseph F. Godwin, Salem, N. J.
Application March 26, 1946, Serial No. 657,296
12 Claims. (Cl. 93—37)

1. The hereindescribed method of forming a cellular structure which includes simultaneously moving edgewise two groups of strips having transverse slots in adjacent edges along rectilinear paths lying perpendicular to one another in different planes, arresting the movement of the strips when the slots therein register and ad-

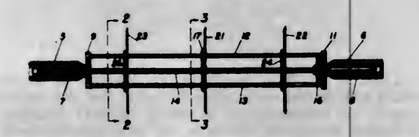
vancing one group of strips edgewise toward the other in a rectilinear path which lies perpendicular to the paths along which the strips were initially moved to cause the body portions of one group of strips to enter the slots in the other group of strips.

7. In a partition assembling machine means to



move two groups of slotted strips of partitioning material edgewise toward a common axis on two different planes until the slots in the strips register and means to advance one group of strips edgewise toward the other group of strips to cause the body portions of each group of strips to enter the slots in the other group of strips.

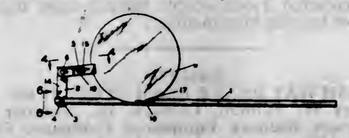
2,493,244
ADJUSTABLE ROLLER CUTTER FOR CUTTING FOOD
Charles S. Gustafson, San Mateo, Calif.
Application July 8, 1946, Serial No. 681,960
1 Claim. (Cl. 30—307)



In a device of the character described, a pair of spaced cross pieces, parallel rods connecting said cross pieces, a plurality of cutting discs slideably mounted on said cross pieces, each of said cross pieces having a stub shaft extending therefrom, handles rotatively mounted on said stub shafts, and a threaded member extending between said cross pieces and mounted parallel to said rods, said threaded member being provided with a right-hand thread at one end and a left-hand thread at its opposite end, said right and left-hand threads each engaging one of the cutting discs, and means for rotating said threaded member to cause said discs to move toward or away from an interposed disc immovably positioned on said parallel rods.

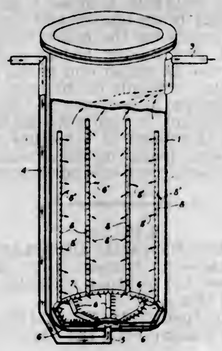
2,493,245
HAND DISK PROJECTOR
Edwin E. Hansen, Astoria, Oreg.
Application March 23, 1949, Serial No. 82,981
2 Claims. (Cl. 124—5)

1. A disc launching toy, comprising a handle, an arm extending from the handle, a resilient clamp pivoted at one end of the arm and provided with a slot at its free end to hold a disc in position to be thrown, a trigger extending longitudinally of the clamp and pivoted at one end to said clamp, the opposite end of the trigger being bent over the end of the clamp and in the path of the arm, and a cam on the clamp with which the trigger frictionally engages to close the



slotted end of the clamp when gripping a disc, the bent end of the trigger contacting the arm and swinging said trigger on its pivoted end and off the cam and releasing the grip of the clamp on the disc in the launching operation.

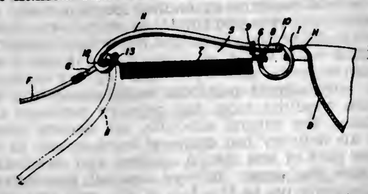
2,493,246
FURNACE
Frederick Wardle Haywood and Douglas Stuart Laidler, Watford, England, assignors of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England
Application March 4, 1946, Serial No. 651,953
In Great Britain February 5, 1945
6 Claims. (Cl. 262—40)



3. A furnace for heat and gas treatment of the surfaces of articles comprising a treating chamber having side walls and ends, a gas inlet manifold in one end of the chamber, a plurality of gas pipes extending radially from the manifold to the side walls, the gas pipes being provided with jet openings directing gas tangentially in the chamber, and an opening at the other end of the chamber, whereby the gas moves through the chamber from the gas inlet end to the outlet end with a helical motion.

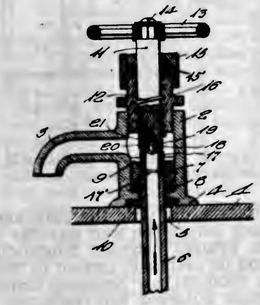
2,493,247
TRIP ROPE HOLDER
Harold Houser, Waterloo, Iowa
Application January 16, 1948, Serial No. 2,620
2 Claims. (Cl. 280—150)

1. A trip rope holder of the class shown and described comprising a relatively stiff coiled spring having endmost coils, at one end, fashioned into an eye, said eye being disposed in approximate parallelism with the longitudinal axis of the spring, a longitudinally bowed latch-lever having an eye at one end hingedly attached to said first-named eye, endmost coils at the opposite end of said spring being bent to provide one eye in approximate alignment with the first-named eye and adapted to be connected, by way of ring means, to a tractor seat, the remainder of the last-named endmost coils being then fashioned



into a keeper eye, said keeper eye being at right angles to the adjacent eye and being adapted to releasably accommodate the free end portion of said latch lever.

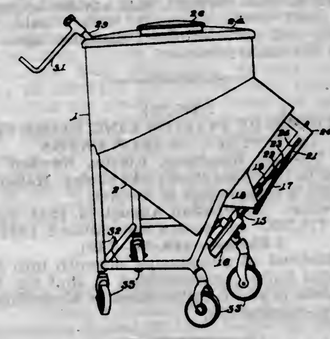
2,493,248
FAUCET AND VALVE THEREFOR
James C. Hughes, Baltimore, Md.
Application February 12, 1946, Serial No. 647,039
2 Claims. (Cl. 251—167)



1. A faucet comprising a body formed with a well open at its top and having a bottom spaced upwardly from the lower end of the body and providing a recess under the well at the bottom of the body, a spout extending from said body, the bottom being formed with an opening communicating with the well and the recess whereby an externally threaded supply pipe may to be passed upwardly through the recess and the bottom into the well, a compressible gasket in the well resting upon the bottom, a sleeve in said well rotatable therein and formed with a threaded vertically extending bore for receiving an upper portion of the supply pipe, a nut in the recess for threaded engagement with the supply pipe, a tubular valve seat screwed into said sleeve through the upper end thereof and projecting upwardly from the sleeve, and a sealing gasket in the sleeve for forming a tight joint between the lower end of the valve seat and the upper end of said pipe.

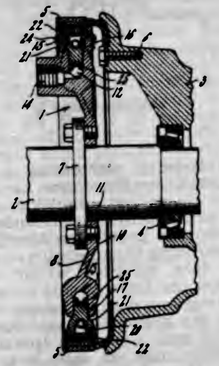
2,493,249
FRUIT MIXING TANK
Ridgway Kennedy, Jr., Drexel Hill, Pa., assignor to Abbotts Dairies, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application December 8, 1945, Serial No. 633,595
6 Claims. (Cl. 259—108)

1. A mixing device, comprising a chamber composed of an upwardly extending cylindrical section and a diagonal lower cylindrical section comprising an extension of said first section, said diagonal section being closed by an end wall, a rotatable shaft substantially coaxial with said diagonal section and extending angularly through said upper section, a paddle carried by said shaft



and rotatable with respect to and adjacent the cylindrical wall of said lower diagonal section, and an angularly directed paddle carried by the upper portion of said shaft and at one point in its path being in parallel relation with one side of the wall of said upper section.

2,493,250
SELF-ADJUSTING HYDRAULIC BRAKE MECHANISM
Henry H. Kerr, Jackson, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1948, Serial No. 68,332
9 Claims. (Cl. 188—152)



1. In an hydraulic brake mechanism, a supporting disk having an annular outer edge with a channel therein, said disk being provided with pairs of lugs extending radially beyond said edge, a plurality of brake elements seated on said outer edge and having tongue portions extending into said channel, a U-shaped spring clip carried by each of said brake elements and adapted frictionally to engage one of said pairs of lugs, said brake elements being moveable a predetermined distance with respect to said clip depending upon the desired clearance with an associated brake drum, a coiled spring biasing said brake elements toward said disk and means including an expansible sealing member in said channel coop-

erating with said tongue portions to move said brake elements radially outwardly against the action of said spring and the frictional grips of said clips on said lugs upon application of liquid pressure to said channel, said spring acting to return said brake elements toward said disk through said predetermined distance upon release of the liquid pressure.

2,493,251

METHODS OF INTRODUCING BISMUTH INTO STEEL OR IRON BATHS

Gustaf Newton Kirsebom, Riksby, Sweden, assignor to Hellefors Bruks Aktiebolag, Hällefors, Sweden, a corporation of Sweden

No Drawing. Application August 26, 1947, Serial No. 770,755. In Sweden September 2, 1946
2 Claims. (Cl. 75—129)

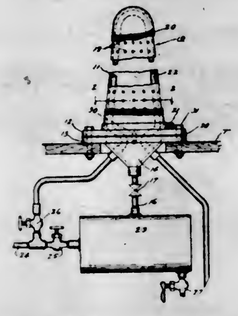
1. A method of introducing bismuth into ferrous metal baths, characterized in that the bismuth metal is added in the form of bismuthiferrous ferro-manganese.

2,493,252

NECKTIE FINISHER

Clarence Edgar Langley, Ottawa, Ontario, Canada

Application July 2, 1945, Serial No. 602,835
1 Claim. (Cl. 223—82)



A necktie finisher comprising a flattened, elongated, hollow metallic form having a perforated wall, means for admitting steam into said form to escape through said perforated wall and to moisten the necktie on the form, valve means for controlling the admission of steam, and a U-shaped tube mounted within said form closely adjacent the edges of said form and connected at one end to a source of steam and adapted to provide dry heat within said form to keep said perforated wall warm and thereby tend to dry the necktie while on said form with the creased edges thereof subjected to the highest heat.

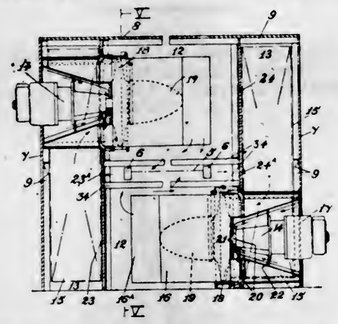
2,493,253

APPARATUS FOR DRYING WEBS OF MATERIAL, ESPECIALLY STENTERING MACHINES

Kenneth Somerville Laurie, Glasgow, Scotland, assignor to John Dalgish, Glasgow, Scotland

Application March 13, 1946, Serial No. 654,169
In Great Britain March 27, 1945
5 Claims. (Cl. 34—160)

1. A machine for air drying a web of material, including longitudinally extending stenter guide rails the width spacing between which is adjustable and between which the web is progressed through the machine; comprising in combination two inner air delivery conduits extending longitudinally one above and one below the web, two air return conduits extending longitudinally one on one outer side and the other on the other outer side of said delivery conduits, outer heat insulating conduit walls which enclose all said delivery and return conduits and define said delivery conduits, and longitudinal partition walls separating the return conduits from the delivery conduits and defining the return conduits, an electric motor and air delivery fan disposed transversely in the upper part of one return conduit and circulating air into the upper delivery conduit for delivery downwardly on to the top of the web and back over the web selvedge adjacent thereto, an electric motor and air delivery fan disposed transversely in the lower part of the other return conduit and circulating air into the lower delivery conduit



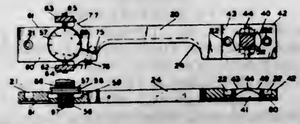
for delivery upwardly onto the underside of the web and back across the web selvedge adjacent thereto, air heaters disposed longitudinally of said fans and on each side thereof in the respective return conduits, air passages through said partition walls adjacent the respective heaters allowing the air to pass from the web back through the heaters on each side of each fan for delivery to the delivery conduits, a series of air nozzles on the bottom of the upper delivery conduit and the top of the lower delivery conduit for blowing the air on to the web, said nozzles being formed as transverse slots extending over the maximum width between the stenter guide rails and including side walls defining said nozzles and extending towards the web at an inclination thereto and leaving between the side walls transverse air escape channels extending widthwise over the guide rails at the maximum width spacing thereof.

2,493,254

TELESCOPE MOUNT

Marcus Leupold, Portland, Oreg., assignor to Leupold & Stevens Instruments, Inc., Portland, Oreg., a corporation of Oregon

Application February 15, 1947, Serial No. 728,826
16 Claims. (Cl. 33—50)



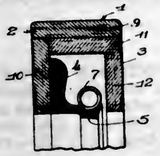
1. A telescope mount for a rifle or the like, comprising a base, a member threadedly mounted on said base so as to be adjustable toward and away from said base upon rotation, said member having an annular, peripheral groove therein lying in a plane normal to its axis of rotation, a telescope holder associated with said member and comprising a pair of ears straddling said member and spaced therefrom, and a screw threaded through each of said ears along a line normal to said axis, said screws extending into said groove so as to permit adjustment of said holder laterally with respect to said member.

2,493,255

FLUID SEAL

Stephen M. Lillis, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois

Application November 8, 1943, Serial No. 509,374
4 Claims. (Cl. 288—3)



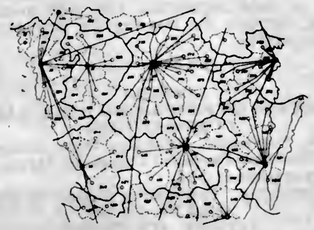
1. A seal for closing the space between a movable shaft and a stationary housing comprising a shaft encircling housing of channel section composed of two members of L-section and having cylindrical portions telescoped together, each of said members being composed of laminations of fibrous material bonded together by a phenolic resin, said housing including parallel annular portions projecting radially inwardly from opposite ends of said telescoped portions; a sealing element of rubberlike material disposed in the channel in said housing and comprising an annular base bonded to the inside face of the annular portion of one of said housing members and a shaft engaging portion projecting from said base toward the annular portion of the other housing members; and a tension member encircling the extending portion of said sealing element and tensioned to hold that portion in sealforming engagement with a shaft.

2,493,256

MULTIEXCHANGE TELEPHONE SYSTEM

Karl Axel Lundkvist, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden

Application January 31, 1944, Serial No. 520,502
In Sweden January 22, 1943
2 Claims. (Cl. 179—18)



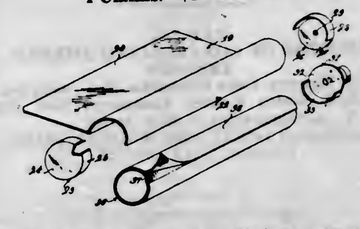
1. In an automatic telephone system, two exchanges, a trunk line interconnecting said two exchanges, a register in one of said two exchanges set in accordance with at least two digits in a telephone number, means connecting said register to said trunk line, means for sending at least two series of impulses simultaneously over said trunk line under control of said register, the number of impulses in each series corresponding to a digit in said telephone number, said impulses being transmitted over said trunk line to the other of said two exchanges by an alternating current source one for each series of impulses, said alternating current sources having all different frequencies, each frequency representing the place in said telephone number for the digit corresponding to the number of impulses transmitted, separate impulse receiving devices in said other of the two exchanges for each of said alternating current sources actuated by said impulses and setting each a separate recording device in a register in said other of the two exchanges.

2,493,257

FILTER ATTACHMENT FOR RADIATORS

Hugo E. Maime, Linden, N. J.

Application August 13, 1947, Serial No. 768,845
4 Claims. (Cl. 183—73)



1. A filter for heating radiators, comprising a filter support having an elongated portion adapted to be supported on the upper surface of a heating radiator and longitudinally thereof, said support having a semi-cylindrical, downwardly opening portion disposed outwardly of one side of the radiator and including end portions provided with inwardly projecting flanges, a cylindrical filter member mounted in said semi-cylindrical portion and detachably engaged and supported by the flanges of said end portions, and one of said end portions including manually rotatable means and a rotatable section carrying a semi-cylindrical portion of the flange thereof and movable to positions for engaging or disengaging an end of the cylindrical filter for demountably supporting it in the semi-cylindrical portion of the support.

2,493,258

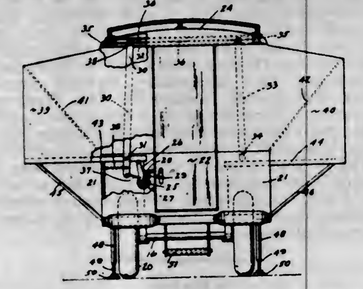
CAMPING TRAILER

Quido P. Massare, Windham, Ohio

Application April 26, 1947, Serial No. 744,051
4 Claims. (Cl. 296—23)

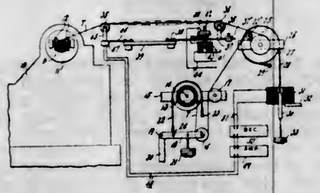
1. In a camping trailer including a body having supporting wheels thereinunder and a movably positioned roof portion thereover, the said roof portion resting on said body and forming a closure therefor when the camping trailer is collapsed, means for elevating the said roof portion, said means comprising two pairs of arms pivotally affixed to the said body in oppositely disposed relation and having their free ends slidably engaging the said roof portion, pulleys positioned in said roof portion in oppositely disposed pairs and endless cables movably positioned over said pulleys and transversely in said roof portion and interconnecting the free ends of said arms so that motion imparted to one of the pairs of arms is

imparted to the said cables and thereby to the other of the said pairs of arms to move the same in unison, and means in the trailer body for im-



parting movement to the said arms to move them from horizontal to vertical position to elevate the roof portion.

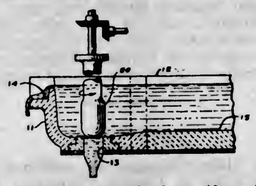
2,493,259
METHOD OF CONTROLLING THREAD TENSION
Melvin Mooney, Lake Hiawatha, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 18, 1946, Serial No. 684,602
9 Claims. (Cl. 242—45)



1. The method of controlling the tensile stress in an advancing thread, which consists in advancing the thread under tension past two points spaced a fixed distance apart, vibrating the free portion of the thread between these points to set up periodic variations in the force exerted by the thread on one of said points, detecting variations in the said periodic force of the thread at such point due to changes in the amplitude of the thread vibrations, and adjusting the tensile force on the thread in accordance with the detected variations to thereby hold the natural frequency of vibration substantially constant, thereby to keep the tensile stress substantially constant in spite of variation in the size and elastic modulus of the advancing thread.

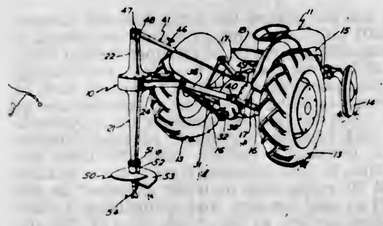
2,493,260
METHOD OF FEEDING GLASS
Cyril T. Paquette and Lynn B. Webb, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 23, 1946, Serial No. 642,904
3 Claims. (Cl. 49—77)

1. The method of diverting contaminated surface glass away from an area of a pool from which glass is being withdrawn for formation into ware, which includes the steps of flowing glass into the pool to replace glass withdrawn therefrom, augmenting and laterally directing the movement of surface glass resulting from the flow of glass into the pool by rotating an implement in the pool, withdrawing glass from an area of the pool coextensive with the axis of rotation of the implement, and overflowing surface glass



from the pool at a point along the edge thereof arcuately displaced from the point of introduction of the glass into said pool more than 180° measured in the direction of rotation of said implement.

2,493,261
POSTHOLE DIGGER
Daryl W. Porter and Otto F. Roehler, Zanesville, Ohio; said Porter assignor to said Roehler
Application December 18, 1945, Serial No. 635,709
1 Claim. (Cl. 255—19)



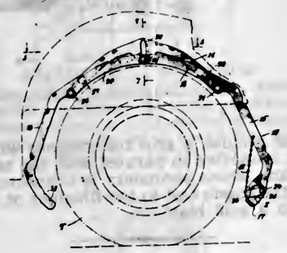
Earth boring apparatus comprising a vertical housing provided at its upper end with a pair of upstanding ears, a rotating shaft within the housing, an auger mounted at the lower end of the shaft, a frame member having one end mounted substantially midway of said housing and having its other end constructed for attachment to a tractor, an adjustable supporting rod, said supporting rod comprising a tubular member open at one end and having at its other end a T-shaped portion fitting between the ears on the housing and pivotally connected thereto, a rod member having one end constructed for attachment to a tractor and the other end slidably receivable within the open end of the tubular member, said rod member having a plurality of openings, means mounted on said tubular member adapted to extend into one of said openings for varying the length of said supporting rod, and means extending through the housing for operating said rotating shaft.

2,493,262
PROCESS OF PREPARING BASIC SALT COMPOSITIONS
John A. Porvasnik, Westlake, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application August 24, 1944, Serial No. 551,069
2 Claims. (Cl. 23—92)

1. A process of preparing a basic salt composition comprising the steps of preparing a solution containing a salt of the class consisting of the sulfates and chlorides of copper, zinc and aluminum, adding with agitation sufficient aqueous ammonia

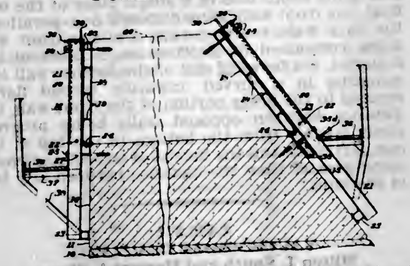
to render said solution alkaline and form a slurry and contacting the resulting slurry with cuprous oxide and an oxygen containing gas.

2,493,263
TIRE CHAIN AND ATTACHMENT MEANS THEREFOR
Henri Prehn, Roslyn, N. Y., assignor to Associated Development and Research Corporation, New York, N. Y., a corporation of New York
Application October 2, 1947, Serial No. 777,447
8 Claims. (Cl. 152—213)



8. An anti-skid chain for vehicle wheels, including a support structure comprising a plurality of pivotally interconnected rigid sectors which may be opened to an extent sufficient to permit said structure to pass rearwardly over the vehicle tire to a position at the rear wall thereof, two of said sectors having cooperating locking means whereby they may be secured one to the other; a linkage pivotally connected to each of said two last-named sectors and to a common third sector for constraining the ends of each of said sectors to move in arcuate paths which meet at a predetermined point, whereby the locking means on said sectors will always be brought into mutual registry; a flexible tie chain, and cross chains for extending across said tire between said tie chain and said attachment structure.

2,493,264
MOVABLE FORM FOR CONCRETE MASSES
William M. Records, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 7, 1946, Serial No. 695,409
1 Claim. (Cl. 25—131)



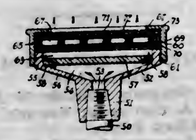
A movable form comprising a panel, a pair of beams on which the panel is mounted extending downwardly therefrom, levers pivoted to said beams adjacent the lower edge of the panel, bearing blocks on said levers, and wheels journaled on the levers, the bearing blocks and wheels being adapted to be presented alternately to a supporting surface on tilting of said levers.

2,493,265
EXTRACTION APPARATUS
Edward G. Scheibel, Nutley, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
Application November 26, 1947, Serial No. 788,293
2 Claims. (Cl. 23—270.5)



1. A countercurrent liquid extraction apparatus comprising a substantially vertical column of substantially uniform section, containing freely communicating contiguous alternate transverse calming sections and mixing sections, said calming sections comprising intersticed entrainment separator means consisting of wire mesh packing permitting relatively free vertical fluid movement, said packing consisting of rolled tubular wire mesh knit and positioned to provide open spaces formed essentially from vertical and transverse wire elements, said mixing sections comprising agitator means mounted on a common vertical rotatable shaft, said agitator means exerting a non-vertical thrust, and said means being pitchless propeller means whose impelling faces are flat vertical surfaces, the length of said propeller means being less than the inner diameter of the column.

2,493,266
CATALYTIC DEVICE
George Philip Schmitt, New York, N. Y., assignor to Cardinal Products Inc., New York, N. Y., a corporation of New York
Original application April 23, 1943, Serial No. 484,192. Divided and this application September 17, 1945, Serial No. 616,796
3 Claims. (Cl. 158—96)



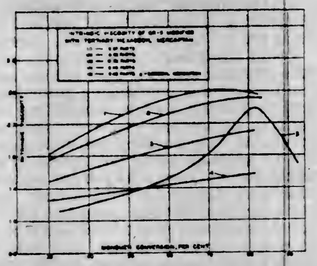
1. A catalytic member comprising a holder, a plate within said holder and having a plurality of holes, and catalytic members within said holes, said holder having an inlet communicating with said catalytic members.

2,493,267
MOUNTING AND MOUNTING ASSEMBLY FOR ADHESIVED ARTICLES
William M. Scholl, Chicago, Ill.
Application July 24, 1944, Serial No. 546,334
1 Claim. (Cl. 206—80)



In combination, a sheet of relatively unstretchable and irregularly crinkled paper-like material having a glazed surface, and a surgical pad carrying a pressure sensitive adhesive with the outer marginal edge of the adhesive in continuous contact with the irregular surface of said sheet thereabout to preserve and keep sanitary all the adhesive, and with the remainder of the adhesive adhering only to the high spots of said sheet.

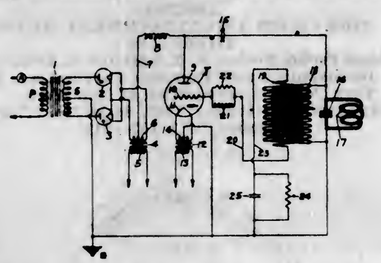
2,493,268
PROCESS OF COPOLYMERIZING BUTADIENE AND STYRENE
Walter A. Schulze and Willie W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application May 4, 1945, Serial No. 591,868
3 Claims. (Cl. 260—84.3)



2. In the production of synthetic rubber by emulsion copolymerization of a monomeric mixture of butadiene and styrene, the improvement which comprises copolymerizing a monomeric mixture containing a major portion of butadiene and a minor portion of styrene while present as a dispersed phase in an aqueous emulsion in the presence of tertiary hexadecyl mercaptans as the sole modifying agents in an amount between 0.69 and 0.89 part per 100 parts of said monomers for a time to effect 40 to 80 per cent conversion, thereby producing a gel-free polymeric product the components of which have a uniform intrinsic viscosity, and recovering a resulting polymeric synthetic rubber so produced.

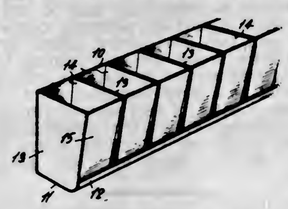
2,493,269
HIGH-FREQUENCY ELECTRICAL HEATING APPARATUS
Harrison D. Simpson, Hillside, N. J., assignor to Krements & Company, Newark, N. J., a corporation of New Jersey
Application January 25, 1947, Serial No. 724,369
6 Claims. (Cl. 219—47)

3. Means for heating metal parts, including a high frequency triode tube and means for heating its filament, means for supplying high voltage direct current to the plate of said tube through a radio frequency choke, a blocking condenser to keep high voltage direct current away from the oscillator circuit, a heating coil of few turns, a tank condenser in parallel with said heating coil, both said heating coil and said tank condenser being connected between the plate of the triode



tube and ground, a grid transformer whose primary is connected in parallel with the tank condenser and whose secondary is connected to the grid of the triode and to the filament of said triode with a grid bias.

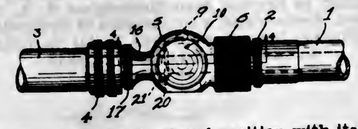
2,493,270
ICE-MAKING TRAY
Lewis B. Smith, Norwalk, Conn., assignor, by mesne assignments, to Phillippe L. Goetz, Darien, Conn.
Application August 25, 1945, Serial No. 612,575
3 Claims. (Cl. 62—108.5)



1. An ice block tray comprising at least one compartment for freezing liquid therein into ice, said compartment being constructed of sheet material and having a bottom wall, front, back, and end walls, the back and bottom walls being disposed substantially at right angles to each other and being comprised of a single piece of the material, the front wall being disposed non-parallel to the back wall, the end walls and the front wall being comprised of another single piece of the material, the forward end of the bottom wall terminating in a curved upwardly turned flange secured to the lower portion of the front wall, the distance between opposed walls being progressively greater from the bottom to the top of the compartment, and the height of the compartment being greater than the distance between any two of the walls.

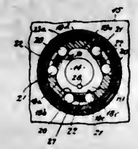
2,493,271
VALVED HOSE COUPLING
Milton J. Smith and Herbert J. Shane, Wenatchee, Wash.
Application June 19, 1948, Serial No. 33,984
3 Claims. (Cl. 284—18)

1. In a separable valve joint for hose, the combination with a coupling member including a hollow head having a duct, a spaced exhaust port and a diametrically arranged arcuate guide slot, of a rotary plug valve having a port for alinement with the duct and mounted in the head, and a detachable coupling member having an open-end tubular stem fitted within and adapted



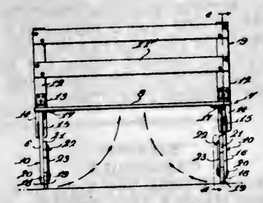
to swing the valve to closed position with its port registering with the exhaust port, for disjointing the detachable member.

2,493,272
INSTRUMENT CONTROL
Louis Spraragen, Bridgeport, Conn., assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application May 18, 1944, Serial No. 536,126
8 Claims. (Cl. 192—8)



2. A control instrument comprising means for varying a condition; a frame and an operating shaft extending therethrough; a sleeve fastened to the frame, encompassing the shaft; a ring attached to the shaft adjacent its end, engaging the end of the sleeve to prevent axial movement of the shaft in one direction; spring means engaging the frame and shaft to yieldably hold the said ring and sleeve in engagement; wedging means for automatically locking the ring to the sleeve to prevent turning of the shaft; an operable member mounted on the sleeve to be rotatable in the same directions as the shaft; and means for rendering said locking means inoperative and for turning the shaft in response to turning of the operable member as a result of the application of force thereto, the locking means automatically becoming again operative upon removal of said force from the operable member.

2,493,273
FOLDING BENCH
Alexander J. Sturm, Stratford, Wis.
Application January 16, 1948, Serial No. 2,622
2 Claims. (Cl. 155—148)

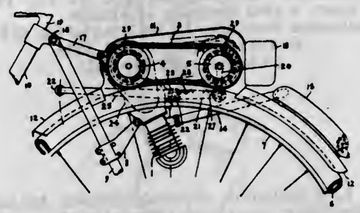


1. An article of furniture comprising a seat, a leg hingedly connected to the underside of said seat and adjacent each end thereof for swinging movement upwardly and inwardly against the underside of said seat to a folded position, said legs being disposed in depending, substantially perpendicular relationship to the seat when in extended, operative positions, a back rest hingedly connected to the upper side of said seat adjacent the back edge of the seat and movable from a folded position against the upper side of said seat to an extended position at an obtuse angle thereto, and inter-engaging means on the legs and back rest, when said parts are in extended positions, for locking said legs in extended positions, each of said legs including a relatively wide piece which is hingedly attached to the seat and disposed transversely thereof, said back rest including brace members having portions depending below said seat, when the back rest is in an extended position, said depending portions having slots opening outwardly of their lower ends engaging corresponding edges of said leg members for latching the legs in extended positions and combining therewith to form said inner engaging means.

2,493,274
PRODUCTION OF RIBOFLAVIN BY FERMENTATION PROCESS
Benjamin Tabenkin, Nutley, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 16, 1947, Serial No. 761,445
2 Claims. (Cl. 195—35)

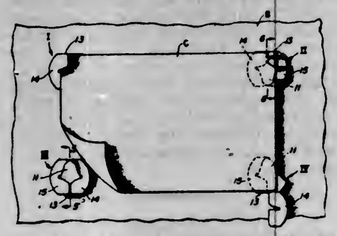
1. A process of preparing riboflavin which comprises cultivating *Eremothecium ashbyii* in an aqueous liquid culture medium, containing assimilable carbon, assimilable phosphorus, assimilable sulfur, assimilable zinc, assimilable potassium and assimilable nitrogen, the sole source of nitrogen being ammonium nitrogen, while maintaining the pH at about 4.0–7.5.

2,493,275
DRIVE TRANSMISSION FOR AUTOCYCLES
Arthur Cyril Thornton, Yeadon, England
Application August 29, 1946, Serial No. 693,687
In Great Britain February 8, 1946
7 Claims. (Cl. 180—33)



1. In a driving mechanism for a cycle, wherein a drive from the engine is transmitted to the road wheel adjacent the periphery thereof by means of an endless flexible belt drive, an inverted engine rigidly secured to the cycle frame and arranged within the periphery of the road wheel, said cycle frame having mounted thereon a driving V-grooved pulley and a spaced idler V-grooved pulley, an endless V-belt drive engaging said pulleys and arranged to contact an arc of the wheel between said pulleys, means operatively connecting the engine to said driving pulley, means for adjusting the idler pulley relative to the driving pulley, and means operatively connected to the idler pulley for moving the belt out of contact with the wheel without movement of the engine.

2,493,276
MOUNTING CORNER
Norman R. Thurston, Waverly, Pa., assignor to Eureka Specialty Printing Co., Scranton, Pa., a corporation of Pennsylvania
Application January 12, 1948, Serial No. 1,759
3 Claims. (Cl. 40—158)



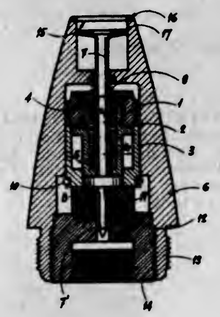
3. A mounting corner comprising a blank of flexible stock with a folding line, the blank at one side of the folding line having a first tongue with its terminal remote from the folding line, the blank at the other side of the folding line having a first cut from the folding line to its remote edge to provide side wing portions, each side wing portion for a part of its width having a second cut extending from said first cut and spaced from said folding line and providing a second tongue adjacent the said remote edge, whereby each said second tongue can be positioned beneath said first tongue and said wing portion overlies the first tongue adjacent the folding line and underlies the same adjacent the terminal of said first tongue.

2,493,277
FASTENING ARRANGEMENT BETWEEN TWO MEMBERS DESIGNED TO FIT INTO ONE ANOTHER
Jacques Vandier, Paris, France, assignor to Office Technique International (O. T. I.), Paris, France, a civil company of France
Application November 15, 1945, Serial No. 628,929
In France December 22, 1944
5 Claims. (Cl. 220—43)



1. In a fastening, a female element having a substantially cylindrical internal surface and a male element having an external surface of progressively flaring form terminating at its relatively wide extremity in a sealing edge of greater external perimeter than the internal perimeter of the cylindrical surface whereby when the male element is fully inserted and compressed within the female element the relatively narrow line of close contact formed between the sealing edge and the internal cylindrical surface provides a fluid-tight joint between the two elements, the internal cylindrical form of the female element preventing the compressive force exerted by the male element from acting in an axial direction tending to relatively displace and separate said elements, and means forming a fulcrum about which one element may be tilted with respect to the other about an axis at right angles to the axis of said elements.

2,493,278
COMBINED FUSE
Willi Weiss, Vernier, Geneva, Switzerland, assignor to Brevets Aero-Mecaniques S. A., Geneva, Switzerland, a corporation of Switzerland
Application December 18, 1945, Serial No. 635,695
In Switzerland January 17, 1945
2 Claims. (Cl. 102—71)



1. In a mechanical fuse of the percussion and self destruction type for use in a rotating projectile, and having a movable firing pin, centrifugally operable means blocking movement of said pin to firing position when in unarmed position and movable by centrifugal force to armed position in which said means lie clear of the path of movement of the pin, detent means, a movable coupling element interposed between said firing pin and said detent means, means by which movement of said coupling element in the direction of firing movement of said pin moves said pin, but which leaves said pin free to move to firing position independently by contact with a target, and spring means urging said coupling element in the direction of firing movement of the firing pin, the novel feature comprising a circumferential groove on said coupling element, and a ring in said groove, said ring being split radially in at least one place, and being engageable with said detent means by opening under the influence of centrifugal force to retain said coupling element and thereby said firing pin against movement by said spring means to firing position as long as the rotational velocity of the projectile carrying the fuse remains greater than a predetermined magnitude, said detent means having a sloping surface, and a cooperating sloping surface on said ring, said cooperating sloping surfaces comprising cam means by which said ring is moved to a non-retaining position by pressure of said spring means on said coupling element when the rotational velocity of the projectile decreases from its peak to said predetermined magnitude.

2,493,279
CASSEROLE
Mary S. Wright, New York, N. Y.
Application March 9, 1946, Serial No. 653,299
2 Claims. (Cl. 65—60)

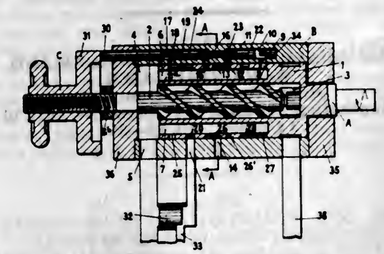
1. A receptacle having a body portion with a rearwardly and upwardly sloping handle, a cover having a rear edge which on both sides of the handle extends beyond the top of the body to act as limit stops to the tilting of the cover, the central portion of the rear edge of the cover being

depressed and reversely curved to act as a fulcrum against the adjacent surface of the handle



when the cover is tilted to an open position beyond the vertical.

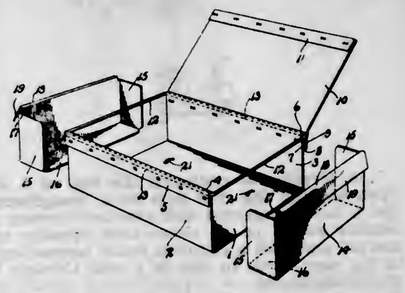
2,493,280
HYDRAULIC PUMP ASSEMBLY
Rudolf Amsler, Neuhausen am Rheinfall, Switzerland, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen am Rheinfall, Switzerland, a Swiss firm
Application February 27, 1948, Serial No. 11,769
In Switzerland February 5, 1947
Section 1, Public Law 690, August 8, 1946
6 Claims. (Cl. 103—45)



1. A hydraulic pump assembly comprising a casing closed at both ends and having mounted therein a rotatable operating piston, pump means within said operating piston and operable upon rotation of said operating piston to convey liquid from an inlet at one end of said casing to an outlet at the other end of said casing, the wall of said casing having a bore therein extending parallel to the axis of rotation of said operating piston and means at opposite ends of said casing wall forming a supply port and a delivery conduit respectively, a discharge conduit between the ends of said casing, and a piston assembly consisting of at least three axially alined separate parts mounted for reciprocative movement in said bore, said operating piston and said casing being each provided with passages and ports adapted to connect said other end of the casing with said bore in a manner that said separate parts of the piston assembly, upon rotation of said operating piston, are actuated to function alternately as pump piston and motor piston to deliver and expel fluid into said delivery conduit and discharge conduit respectively.

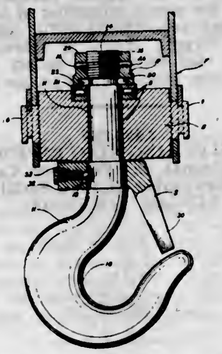
2,493,281
FOLDING PAPER BOX
Wilbur G. Anderson, Jr., Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application November 24, 1947, Serial No. 787,630
7 Claims. (Cl. 229—23)

1. In a box structure, a rectangular bottom, spaced rectangular sides foldably connected with the bottom at the longitudinal edges thereof, said sides being adapted to extend vertically from the bottom at right angles thereto, a rectangular wire frame pivotally connected to the upper edges of said sides and extending between said sides, and a box end at each end of the box comprising, a member located vertically at and close to its associated end of the box, means for rotatively con-



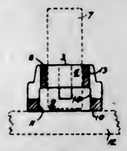
necting said end members adjacent their upper edge to said wire frame, each of said members at its lower edge having a flap extending inwardly adapted to lie against the bottom of said box when the bottom is located in a horizontal plane and the sides and ends extend in vertical planes at right angles thereto.

2,493,282
CRANE HOOK LOCK NUT
James L. Criswell, Massillon, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application August 9, 1946, Serial No. 689,413
2 Claims. (Cl. 59—95)



1. A crane hook assembly comprising a block having an aperture extending upwardly therethrough and a recess about the upper end of said aperture, a hook having a cylindrical shank extending up through said aperture and recess and having threads on the projecting upper end thereof and a groove extending around the shank above said block, a split washer seated in and projecting from said groove, a nut on the threaded portion of the shank and having a depending skirt to encircle the outer periphery of said washer and hold the washer parts in assembled position in said groove, and an annular thrust bearing in said recess about said shank, said washer resting on said bearing and solely supporting the hook and any load thereon.

2,493,283
FERRULE FOR WELDING
Charles S. Evans, Atherton, Calif., assignor, by mesne assignments, to Morton Gregory Corporation, a corporation of Michigan
Application July 6, 1945, Serial No. 603,513
6 Claims. (Cl. 219—8)



1. A ferrule for enclosing the end of a stud when welding the stud to a plate, comprising a sleeve having internal and external recesses extending axially of the sleeve from opposite ends thereof and past a common plane perpendicular to the sleeve axis to join in a vent through the wall of the sleeve.

2,493,284
DIESEL ENGINE FUEL
Adalbert Farkas, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 1, 1945, Serial No. 571,028
7 Claims. (Cl. 44—57)

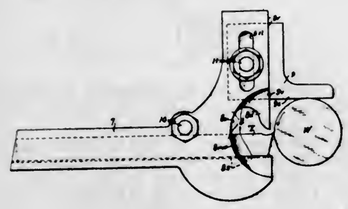
1. A composition of matter consisting essentially of a petroleum hydrocarbon fraction boiling within the limits of about 300° F. to about 800° F. and 0.1% to 5% by volume of an oxidized organic sulfur compound selected from the class of compounds consisting of organic sulfoxides and organic sulfones the organic radicals being selected from the group consisting of lower alkyls, phenyl, benzyl, and organic sulfur compounds in which the organic group is heterocyclic, the heterocyclic ring having up to six atoms and containing from 1 to 3 sulfinyl groups in the ring.

2,493,285
INTERLOCKING RING ENSEMBLE
Leo Granat, San Francisco, Calif.
Application September 25, 1948, Serial No. 51,260
5 Claims. (Cl. 63—16)



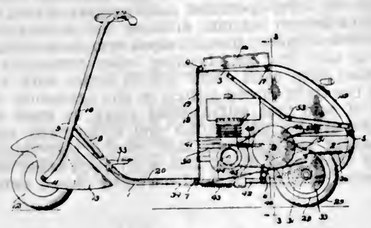
1. Means for releasably interconnecting a pair of rings provided with substantially corresponding gem mounting segments and arranged to be worn in axial alignment on a finger, at least one of said segments having cavities therein on one side face thereof and adjacent the opposite ends of said segment, the said segments of each ring being substantially of the same length of arc, the said side face of the segment having said cavities being in substantially a single plane, and the said other ring segment having a side face forming a single plane; said means comprising headed projections each of a prescribed diameter extending from the side face of said other ring adjacent the ends of the segment thereof and arranged in registry with and for insertion in said cavities, an insert member detachably secured in each of said cavities, each of said insert members having a recess therein of a prescribed diameter, the outer end portion of which is smaller than the diameter of said projections, said insert member also having separate portions defining said recess which are relatively yieldable to effect expansion of said recess to at least the diameter of said projection upon insertion of said projection into said recess, said member further having a body portion thereof in intimate engagement with a portion of one of said cavities so as to restrain radial expansion of said insert member, the outer end portions of said recess defining portions of said insert member engageable upon expansion with wall portions of said cavity to limit yielding of said member to a degree which will bring the diameter of said projection and recess into relative conformity, said insert members being composed of material having greater abrasion resistant quality than the material of the ring in which said members are secured.

2,493,286
COMBINED LATHE TOOL HOLDER AND WORK STABILIZER
Henry Guerin, Elberon, N. J.
Application August 7, 1947, Serial No. 767,276
3 Claims. (Cl. 82—35)



1. In a combined lathe-tool-holder and work-stabilizer, a main body-member including a shank adapted to be secured to and operated by a tool-carriage or tool-post of a lathe, and also including a front portion that has therein a recess adapted to receive a part of a rod or shaft when the latter is chucked in and turned by a lathe and is being grooved peripherally and inwardly toward its axis, said front portion having a normally horizontal shelf to receive and support a thin cutting-off tool, said shelf extending from said shank past the rear wall of said recess and substantially to the open front of said recess, the front portion of said shelf having plane vertical sides and being of substantially equal thinness from top to bottom and from its front end to the rear end of said recess, said front portion comprising a shavings-deflector that is integrally formed thereon and projects downward from an upper edge of said recess and is of substantially equal thinness throughout and has plane lateral sides substantially level with the first said vertical sides and sufficiently spaced above the latter to permit the cutting end of the cutting-off tool to be disposed on said shelf and under said shavings deflector.

2,493,287
SCOOTER
Milton L. Hatfield, Coldwater, Mich.
Application August 19, 1946, Serial No. 691,499
3 Claims. (Cl. 180—33)



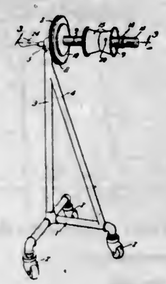
2. In a scooter construction as described, a generally horizontal chassis frame, an engine slidably mounted on and extending above said frame, spring means tending to move the engine in a forward direction, a rear driving wheel, an axle connected with said frame on which the wheel is rotatably mounted, a bracket mounted for rocking movement on the frame between the engine and rear wheel, two driving pulleys located side by side mounted to turn together about a horizontal axis on said bracket above the frame, a belt connection between the engine and one of said pulleys, a second belt connection between the other of said pulleys and the drum, and spring means for normally rocking said bracket in a forward direction about its axis of movement.

2,493,288
SYNERGISTIC ANTIOXIDANTS AND THE METHODS OF PREPARING THE SAME
Lloyd A. Hall, Chicago, Ill., assignor to The Griffith Laboratories, Inc., a corporation of Illinois
No Drawing. Application May 2, 1947, Serial No. 745,647
13 Claims. (Cl. 260—398.5)

1. The method of incorporating a low alkyl ester of gallic acid in a fatty material in an amount greater than that which is normally soluble in said fatty material, which comprises dissolving said ester in a molten phospholipoid, then introducing the molten solution to the fatty composition likewise in molten form, and thoroughly admixing the materials.

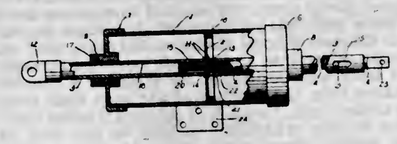
2,493,289
BUFFING STAND
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application November 25, 1946, Serial No. 712,055
1 Claim. (Cl. 144—288)

A tire support stand comprising an upright pedestal, a disk shaped brake element non-rotatably secured to the upper end of the pedestal with the axis of the disk at right angles thereto, an elongated spindle secured to the center of said disk and extending therefrom in a line coaxial with the disk, said spindle being threaded at the extended end, a second disk shaped brake element parallel to and closely adjacent said first mentioned stationary disk, said second disk provided with an opening coaxial with the axis of the stationary disk, an elongated sleeve secured in the opening of said second disk extending away therefrom and surrounding said spindle for rotation with respect thereto, an annular tire holder keyed to and slidably mounted on the sleeve at a point intermediate the brake element and the outer spindle end, a hand nut threaded on the outer threaded end of the spindle, an



antifriction thrust bearing on the spindle interposed between the hand nut and sleeve whereby rotation of the nut moves the sleeve and tire holder longitudinally on the spindle for engagement and disengagement of said brake elements.

2,493,290
POSITIONING DEVICE
Thomas P. Hearne, San Diego, Calif., assignor to The Ryan Aeronautical Co., San Diego, Calif., a corporation of California
Application February 19, 1945, Serial No. 578,715
3 Claims. (Cl. 192—8)

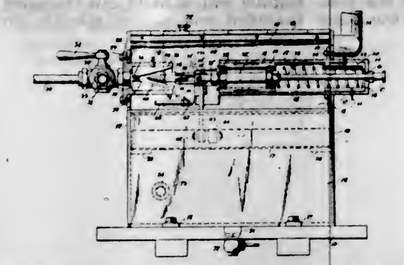


1. A cylinder, a piston reciprocally mounted therein, a piston rod extending through said cylinder and outwardly at opposite ends thereof having a bore therethrough and provided with openings communicating with said bore at opposite sides of said piston, a valve plunger reciprocally mounted in said piston rod having an annular groove arranged to abridge said openings in the side wall of said piston rod and arranged to by-pass fluids from one side of said piston to the opposite side thereof.

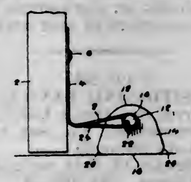
2,493,291
MACHINE FOR WASHING ANNULAR ARTICLES
Charles Hirsch, South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation, a corporation of Delaware
Application February 1, 1944, Serial No. 520,623
11 Claims. (Cl. 134—116)

1. A cleaning machine for bearings and the like comprising in combination; a cleaning head having a conical mouth; a substantially horizontally extending spindle mounted substantially coaxially with said mouth and having freedom of axial movement towards, and away from, said mouth; a spring urging said spindle towards said head; a bearing supporting member universally

mounted on said spindle and extending substantially coaxially therewith; and means for discharging a vortical stream of pressure fluid into said mouth.



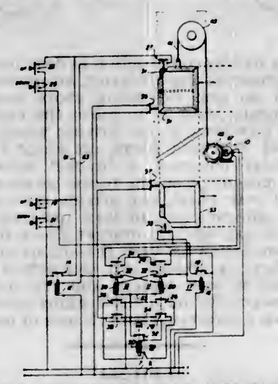
2,493,292
DOORSTOP
Ralph V. Jenkins, Salt Lake City, Utah
Application June 22, 1948, Serial No. 34,435
1 Claim. (Cl. 292—204)



A door stop comprising a base plate having spaced pairs of adjusting position outwardly extended spring arms, the inner of said spring arms of each pair having cylindrical sockets in the ends thereof, a body having a flat base with an arcuate upper side, and a shaft extended through said body and positioned on a center a greater distance from the flat side of the body than from the arcuate side, the ends of said shaft being journaled in the cylindrical sockets at the ends of said spring arms, the said ends of the shaft having pins eccentrically positioned thereon and extended therefrom, and said pins positioned to engage the outer of said spring arms of the pairs extended outwardly from the base plate whereby the said body is resiliently retained in a position with the flat side thereof extended upwardly.

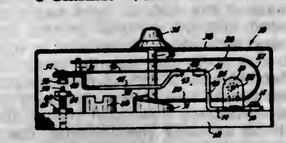
2,493,293
VERTICAL LIFT CONTROL SYSTEM
LeRoy H. Kiesling, Bay Shore, N. Y.
Application December 31, 1947, Serial No. 794,955
17 Claims. (Cl. 187—29)

17. A control system comprising a car, a hatchway containing said car and having two stations between which said car can be propelled in said hatchway, first electrically operable means for propelling said car toward a first one of said stations, second electrically operable means for propelling said car toward the second one of said two stations, a first self-holding relay for receiving and holding a call for said car to be propelled to said first station, a second self-holding relay for receiving and holding a call for said car to be propelled to said second station, a first intermediate relay connection between said first self-holding relay and said first electrically operable means, a second intermediate relay connected between said second self-holding relay and said second electrically operable means, said first and second intermediate relays being interconnected for prevention of concurrent actuations thereof, a first normally closed switch and a first normally open switch arranged for cam operation upon arrival of said car at said first station, a second normally open switch and a second normally closed switch for cam operation upon arrival of said car at said second station, at least one first-station call switch and a normally open armature contactor of said first self-holding relay connected in parallel with each other and in series with said first normally closed switch in the actuation circuit of said first self-holding relay, at least one second-station call switch and a normally open armature contactor of said second self-holding relay connected in parallel with each other and in series with said second normally closed switch



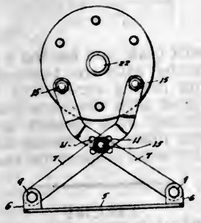
in the actuation circuit of said second self-holding relay, said first self-holding relay having a normally open contactor connected in shunt with said second normally open switch and in series with the actuation circuit of said second intermediate relay including the cross-connection through a normally closed contactor of said first intermediate relay, and said second self-holding relay having a normally open contactor connected in shunt with said first normally open switch and in series with the actuation circuit of said first intermediate relay including the cross-connection through a normally closed contactor of said second intermediate relay, said first and second intermediate relays each being connected to block the energization of the respective ones of said first and second electrically operable means when energized.

2,493,294
CONTROL DEVICE
Carl G. Kronmiller, Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 5, 1946, Serial No. 681,461
6 Claims. (Cl. 200—139)



1. In a snap switch, a base, a substantially flat resilient blade fixed at one end to said base, a movable contact on said blade, a contact actuating arm attached to said blade intermediate said contact and the point at which said blade is fixed to said base, said blade serving to pivotally carry said arm on said base, an extension on said arm limiting movements of said contact with respect thereto, a cooperating contact on said base, and snap acting means carried on said base and acting on said arm for causing snap movement of said arm and said movable contact.

2,493,295
VEHICLE SUPPORT
Kenneth F. Kron, New Britain, Conn.
Application February 8, 1946, Serial No. 646,237
2 Claims. (Cl. 248—352)



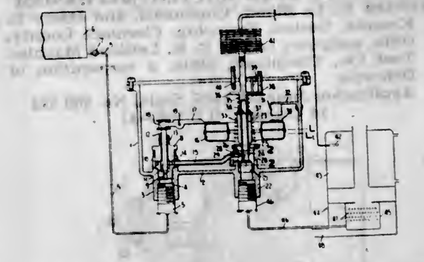
1. A vehicle supporting jack of the character described comprising a base, a pair of bars pivotally secured to said base and projecting upwardly therefrom in relatively crossed relation, the upper ends of said bars being offset towards each other and having apertures therein to receive projections on the wheel drum of a motor vehicle for securing said jack thereto, and means permitting adjustment of the upper ends of said bars for relatively spacing the holes therein to conform with the location of the projections on the brake drum and for securing said bars together against relative displacement.

2,493,296
TRILOBE FLOAT
Boris P. Labensky, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 16, 1945, Serial No. 599,937
5 Claims. (Cl. 244—105)



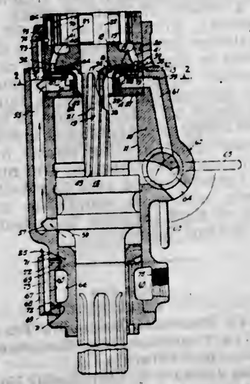
1. In a helicopter, a body having operating parts that vibrate under some conditions, in combination with means for preventing such vibrations from being transferred to a supporting surface for said aircraft and transferred back to said aircraft in phase with such vibrations consisting of one or more floats, each float comprising a first variable volume chamber adapted to contain a gas at a pressure to provide a natural vibration for its walls at a first frequency and having one wall which constitutes a landing surface engaging portion, and at least one other variable volume chamber between said first chamber and the body of the helicopter adapted to contain a gas at a different pressure to provide a natural vibration for its walls at a second frequency.

2,493,297
ORIFICE CLEANING MEANS
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application July 9, 1945, Serial No. 603,945
17 Claims. (Cl. 137—68)



1. Fuel feeding means comprising a casing having a liquid fuel chamber and having an outlet, means for conducting fuel from said chamber to said outlet and having a submerged outlet orifice controlling the discharge of fuel under the chamber head pressure to said outlet, and means to discharge fuel through said orifice to said outlet under a higher head pressure than the chamber head pressure on said orifice thereby to wash orifice obstructing matter through said orifice.

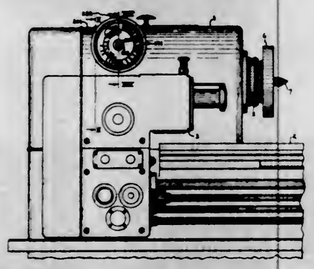
2,493,298
DISTRIBUTING VALVE FOR ROCK DRILLS
Earl B. Lear, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 29, 1947, Serial No. 738,157
6 Claims. (Cl. 121—19)



1. In a rock drill of the class wherein the percussions to a working implement are derived from a reciprocating piston to which intermittent rotary movement is imparted, in combination, a helically splined rifle bar, a valve chest formed with a valve chamber and having a curved portion extending in the direction of the reciprocating piston and terminating contiguous the helical splines of the rifle bar, and a distributing valve in the valve chamber comprising a discal member integrally joined by a curved portion to a stem, said stem surrounding the rifle bar and said curved portion being in uniformly spaced rela-

tion to the curved portion of the valve chest thereby to form an annular channel connecting the valve chamber to the helically splined portion of the rifle bar.

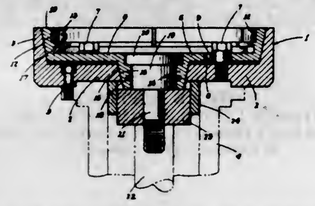
2,493,299
HYDRAULIC GEAR SHIFTING MECHANISM
Richard K. Le Blond, Cincinnati, and Harry C. Kemper, Goshen Township, Clermont County, Ohio, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio, a corporation of Delaware
Application June 20, 1945, Serial No. 600,584
14 Claims. (Cl. 192—4)



1. In a lathe, a headstock housing, a work spindle journalled in said housing, a shiftable gear change speed transmission in said housing connected to drive said work spindle, a series of shiftable gears in said transmission actuatable to effect different rates of rotation in said work spindle, a source of power, a pair of main drive clutches adapted to reversibly connect said source of power to drive said transmission, a brake associated with said clutches to arrest rotation of said transmission when said clutches are disengaged, a source of fluid pressure comprising a pump driven from said source of power, an operating device for engaging one or the other of said clutches or disengaging both of said clutches simultaneously including fluid pressure control means for automatically applying fluid pressure from said source of fluid pressure to engage said brake when either of said clutches are disengaged, fluid pressure gear shifting means for shifting the gears in said transmission, and means actuated by a predetermined rate of rotation of said transmission and work spindle to control the application of fluid pressure from said pump to said gear shifting means.

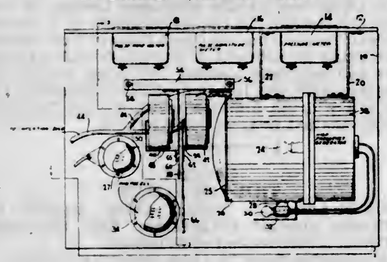
2,493,300
CHUCK
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application January 3, 1947, Serial No. 720,000
3 Claims. (Cl. 279—58)

1. A collet chuck comprising a body which includes a circular back plate, means for fixing the back plate to a lathe spindle, a forwardly projecting annular flange about the periphery of the back plate, the inner face of the flange being tapered, the back plate being provided with a center bore, the face of the bore being tapered in parallelism with the tapered face of the flange, a plurality of segmental jaws, each jaw comprising a substantially flat portion disposed adjacent but spaced from the back plate and lying in substantial parallelism with such back plate, an outwardly projecting flange on the outer edge of said flat portion, the outer face of such latter flange being tapered and lying adjacent and co-operating with the tapered inner face of the annular flange on the back plate, an inwardly projecting flange on the inner end of the flat portion, such inner flange projecting through the



bore in the back plate and having a tapered outer face co-operating with the tapered face of the bore, fastening means connecting the flat portions of the jaws with the back plate for radial sliding movement with respect to the central axis of the back plate, and means for moving the jaws co-axially with respect to the back plate.

2,493,301
ELECTRIC BLOOD PRESSURE DIAGNOSTIC DEVICE
Walter J. Loria, New York, and Jerome Suhre, Richmond, N. Y.
Application April 7, 1945, Serial No. 587,136
11 Claims. (Cl. 128—2.05)

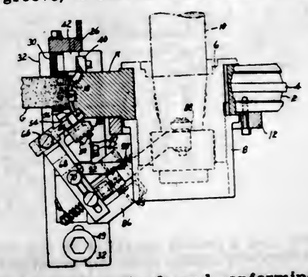


1. An electric blood-pressure diagnostic device for use with a pressure applying element and subject to blood-pressure pulsations comprising, an aneroid pressure capsule responsive primarily to pulsations of an applied pressure, a radiant energy source, a radiant energy responsive device disposed to be excited by said source for deriving an electrical effect varying with the excitation thereof, and means controlled by said pressure capsule for controlling the excitation of said device by said source, said electrical effect being representative of said applied pressure pulsations.

2,493,302
CENTERLESS GRINDING OF ELONGATED ROLLERS THAT ARE CURVED LENGTHWISE
Alton H. Lundius, East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 1, 1947, Serial No. 745,333
11 Claims. (Cl. 51—79)

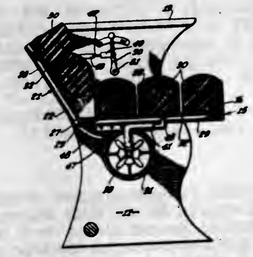
1. In a machine for grinding rollers that are curved lengthwise, a regulating wheel having a spiral groove the bottom of which is curved to

fit the rollers, a grinding wheel having an arcuate contour transversely, the center of curvature being substantially in the central plane of the regulating wheel, one side of the grinding wheel being slabbed off to make it unsymmetrical and narrower than the regulating wheel to expose the spiral groove, a curved work blade immovably



fixed between the wheels and conforming to the curve of the grinding wheel, said blade having a work guiding surface of a length greater than the width of the grinding wheel, means for introducing rollers one at a time into the groove, and means for rotating the regulating wheel to cause the spiral groove to push the rollers endwise along the fixed blade.

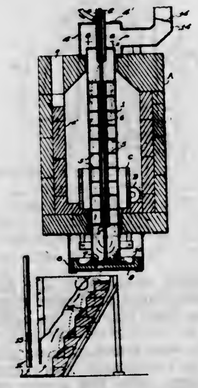
2,493,303
OPERA CHAIR
Russell H. McCullough, Los Angeles, Calif.
Application November 13, 1945, Serial No. 628,050
8 Claims. (Cl. 155—1)



6. In a chair, a pair of standards, a hollow seat frame and a hollow back frame supported between said standards, each of said frames forming an air chamber therein, a plurality of cushions, means to attach each of said cushions independently of one another to said frames, respectively, in spaced relation to form air passages therebetween, said frame having vent openings therein disposed in alignment and communicating with said air passages between said cushions, respectively, and means to supply air under pressure to said chambers for expulsion through said vent openings and air passages and between said cushions.

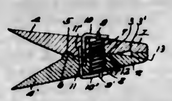
2,493,304
FURNACE
Wesley K. McCready and Anton Schermuller, Painesville, Ohio, assignors to Clifton Products, Inc., Painesville, Ohio
Application October 31, 1945, Serial No. 625,744
7 Claims. (Cl. 263—20)

7. A furnace including a vertical tube, means for exteriorly heating the said tube, another tube likewise vertically positioned concentrically within it and extending to the bottom portion thereof, said inner tube having at least one opening at its lower end for discharging a gas, means for withdrawing gas from the upper portion of the exterior tube, a supply pipe for continuously introducing solid material extending into the upper portion of the exterior tube and enclosing the upper section of the inner tube which is



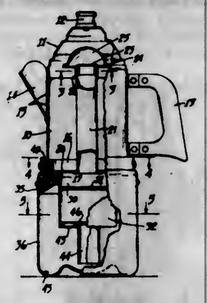
within the exterior tube, the base for said exterior tube having an opening for continuously removing the granular material, a series of vertically spaced baffle discs, which discs both have holes therein and leave a small clearance between them and the outer vertical tube whereby the solid material can pass downwardly, and supporting and retaining spacers between the discs, said discs and spacers supported by the said inner tube.

2,493,305
CLOTHESPIN
Arthur Cleveland McKinney, Fort Worth, Tex.
Application December 7, 1945, Serial No. 633,311
1 Claim. (Cl. 24—137)



A clothes pin comprising opposed gripping jaws, said jaws having interfitting portions constituting a fulcrum, diverging wings extending from the jaws adjacent to the fulcrum, there being normally aligned openings in the jaws, a spring seated within and normally concealed by the walls of the openings, separate L-shaped wires each having one end portion bridging one of the aligned openings and pressed by the spring against the jaw in which said opening is formed, said end portions of the wires being otherwise non-connected to the jaws, each wire having its other end portion extended through the jaw against which the wire is pressed and into the opposed jaw, said latter end portions being spaced apart longitudinally of the jaws and constituting means for anchoring the spring in position and for holding the jaws against relative lateral movement.

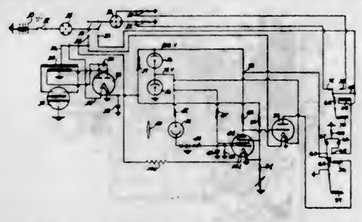
2,493,306
RAPID COFFEE MAKER
John Minerva and Michael Lopez, Brooklyn, N. Y., assignors to Pressure Coffee Maker's Corporation, New York, N. Y., a corporation of New York
Application March 19, 1946, Serial No. 655,502
1 Claim. (Cl. 99—303)



A coffee making device for the rapid brewing of coffee comprising an upper receptacle for brewed coffee, a plate closing the bottom thereof and having a concentric opening therein, a tube mounted in said plate opening and extending axially of the receptacle to a point near the top thereof, a dome over the upper end of said tube for deflecting brewed coffee from the tube into said receptacle, an upper ring secured to the lower edge of said receptacle and presenting a depending bevelled flange providing a shoulder with such said plate is connected in leak-proof relation and annularly spaced lugs presenting bevelled portions, a boiler having an open upper end for receiving the lower end of said receptacle, a lower ring secured to the inner wall of the boiler adjacent the upper end thereof and presenting an inner bevelled edge, a coffee basket having an upper outwardly flared edge adapted to be supported on the bevelled edge of said lower ring, and be held thereon by contact of the bevelled flange of said upper ring therewith, annularly spaced lock strips having bevelled under faces, fixed on the inner wall of said boiler in spaced vertical relation with said lower ring and adapted to forcibly engage said lugs when the upper receptacle and the boiler are assembled with a relative turning movement to clamp the flared edge of said basket between said upper and lower rings to provide a steam tight joint, coffee screens in said basket and a water inlet tube depending from the bottom of said basket to a point adjacent the bottom of said boiler.

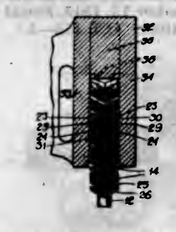
2,493,307
ELECTRIC CIRCUIT FOR AUTOMOBILE LIGHTING SYSTEMS
Raymond D. Moore, Worcester, and Robert W. Bordewieck, Wellesley, Mass., assignors, by mesne assignments, to Moore Electronic Laboratories, Inc., Worcester, Mass., a corporation of Massachusetts
Application October 15, 1947, Serial No. 779,970
6 Claims. (Cl. 315—83)

1. A photoelectric relay circuit for automatic dimming of multiple filament headlights, comprising a photoelectric pickup device, a voltage regulated power supply, a voltage amplifier tube connected to the regulated power supply, and having the cathode of the pickup device connected to the control grid of the voltage amplifier tube, a current amplifier tube having the control grid thereof connected to the plate of the voltage amplifier tube, a relay in the plate circuit of the current amplifier tube, said relay being normally electrically energized in the absence of light and de-energized upon the application of light to the



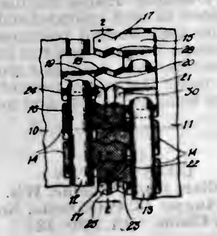
phototube, and a switch operated by the relay to change the power source from the headlight high beam filament to the headlight low beam filament when it is de-energized by light falling on the pickup device, and upon the removal of the light to change the power source back to high beam filament.

2,493,308
SCOOP FOR SEPARABLE FASTENER STRINGERS
Louis H. Morin, Bronx, N. Y.
Application April 18, 1944, Serial No. 531,618
3 Claims. (Cl. 24—205.13)



1. A separable fastener stringer comprising a tape having secured to one edge thereof a plurality of identical, spaced scoops, each including a mounting portion embracing the tape edge and a coupling portion projecting clear of the tape edge, each scoop characterized by having: a V-shaped transverse section throughout the length of both said portions; the subtended angle of the valley so formed on one face of the scoop being greater than the subtended angle of the ridge on the opposite face of the scoop; a neck portion of a thickness, lengthwise of the stringer, which is less than that of the mounting portion of the scoop; said neck portion being formed by opposed, V-shaped grooves extending transversely of the scoop, one on the upper and one on the lower face thereof, adjacent but clear of the tape edge and spaced from the free end of the scoop; the bottoms of the said grooves following the contour of the V-shaped transverse section of the scoop; the reduced neck portion, at the remote ends of the said grooves, terminating short of the side faces both of the mounting portion of the scoop and of the free end of the scoop; the said free end of the scoop terminating in a tapered nose and the said side faces both of the mounting portion and of the free end portion of the scoop consisting essentially of flat surfaces parallel to the plane of the tape.

2,493,309
SEPARABLE FASTENER STRINGER
Louis H. Morin, Bronx, N. Y.
Application May 26, 1944, Serial No. 537,471
8 Claims. (Cl. 24—205.13)



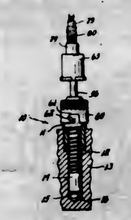
1. In stringers of the class described, a scoop structure having a mounting end portion and a coupling end portion, the coupling end portion being divided longitudinally into coupling sides by a lineal ridge on upper and lower surfaces of said coupling end portion, the mounting end portion of the scoop having a passage for the reception of the stringer tape, the outer side surface of one coupling side being offset with respect to the outer side surface of the other coupling side in a direction extending longitudinally with respect to the bore of said passage, and said outer surfaces being parallel to each other and to the axis of said passage.

2,493,310
PROCESS OF MAKING FORM-RETAINING MATERIALS AND PRODUCTS THEREOF
Alan E. Murray, New York, N. Y.
Original applications March 17, 1943, Serial No. 479,531, and July 9, 1941, Serial No. 401,597, now Patent No. 2,332,000. Divided and this application April 13, 1949, Serial No. 87,208
12 Claims. (Cl. 154—106)



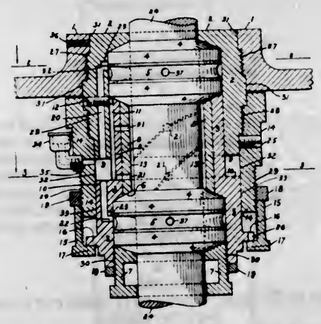
6. The process of making a form-returning elastic material, which comprises softening a body of leather by impregnating the same with relatively thin latex throughout the body of the leather, removing the excess of latex from the leather, applying to the leather before the said latex has set a coating of a relatively thick latex, then working the leather, having therein the thin and thick latex before they have set and before its edge is in fixed position, onto a form having uneven curved contours to which a lining fabric is adherent having a cord attached to the fabric in curved position while conforming the leather to the said uneven curved contours of said form, allowing the latex to set throughout the body of leather in this uneven curved position, then cutting off the lining fabric and leather along the said cord so as to fasten the lining fabric and the leather edges to said cord, and adding a binding material to the edge thereof.

2,493,311
ELECTRIC TEMPERATURE SENSING DEVICE
Malcolm P. Odell, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 20, 1944, Serial No. 564,378
13 Claims. (Cl. 201—63)



1. An insertion temperature sensing device comprising, a member of relatively high heat conduction characteristics having a cylindrical inner surface, a temperature responsive resistance wire helically coiled to lie inside said member adjacent the cylindrical surface thereof, a ceramic element supporting said wire and said member, and a metal sleeve supporting said ceramic element but terminating out of contact with said member to prevent heat conduction therebetween.

2,493,312
STUFFING BOX LUBRICATION
Eric A. F. Presser, East Chicago, Ind.
Application May 2, 1946, Serial No. 666,590
1 Claim. (Cl. 308—36.1)

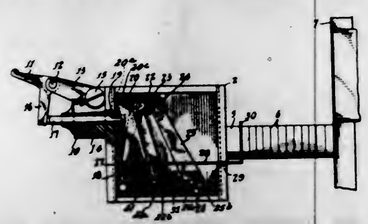


In a detachable journal bearing unit a tubular member forming a seat for packing, a long gland for adjusting this packing and said gland being held against turning by means of a plurality of set screws, a separate similar diameter packing seat in the long gland, a packing in both packing seats, a separate gland in the long gland for the similar diameter packing, a separate bearing bushing between the two packing seats and their packings, and a shaft in engagement with both packings and the bearing bushing.

2,493,313
INDICATOR
William Rabe, Los Angeles, Calif.
Application May 29, 1944, Serial No. 537,932
7 Claims. (Cl. 33—172)

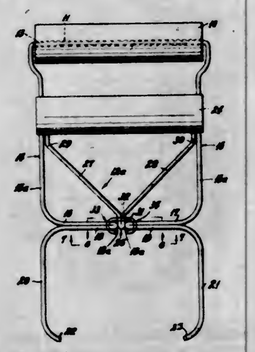
5. An indicator for locating the center of a workpiece, comprising a graduated member, a

case, a motion multiplying mechanism mounted in said case, an indicating member attached to and actuated by said multiplying mechanism and surrounding said graduated member and slidably movable thereover, said motion multiplying mechanism including a crank, a pair of substantially parallel members each pivotally mounted



by said case at points spaced rather closely together and each having its opposite end pivoted at points spaced close to said crank, said crank having an arm attached to said indicator, whereby the line of movement of the supporting point of the crank for said indicating member is substantially parallel with the axis of said graduated member, and a pivotally mounted contact member for actuating said multiplying member.

2,493,314
JAR LIFTER
Asa Clayton Reece, Charleston, S. C.
Application March 19, 1947, Serial No. 735,748
2 Claims. (Cl. 294—33)



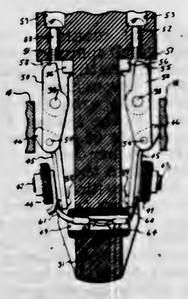
1. A device of the class described comprising a substantially yoke-shaped frame of resilient material having a handle member secured to the cross member thereof, the legs of the yoke having co-planar members extending inward toward each other intermediate the length of the legs, a second handle member slidably mounted on said legs between said first handle member and said co-planar members and parallel with said first handle member, the free extremities of said legs having opposed jaws thereon, and means connecting said second handle member with the juxtaposed ends of said co-planar members for raising said ends of said co-planar members upon moving said second handle member toward said first handle member and thereby causing those portions of said legs below said co-planar members to be flexed toward each other and consequently to bring said jaws closer together, the lengths of said co-planar members being such as to provide a space between the juxtaposed ends thereof, said means comprising a link pivotally joining said juxtaposed ends of said co-planar members, a V-shaped frame having the arms thereof anchored in said second handle member and having the apex thereof positioned between said second handle member and the plane of said co-planar members, said V-shaped frame having a projection from the apex thereof into said space, said link being secured to said projection.

2,493,315
COASTER PAN
William Ruka, Racine, Wis.
Application August 16, 1946, Serial No. 691,119
1 Claim. (Cl. 280—12)



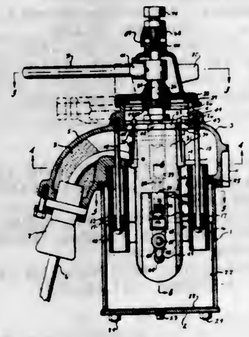
As a new article of manufacture, a coaster toy comprising a spherical section concavo-convex circular pan for sliding upon inclined surfaces, a reinforced beaded edge about the rim of the pan, oppositely disposed pairs of apertures in the pan below the bead, flexible handles extending inwardly through the pairs of apertures terminating with knotted ends to confine the same and adapted to engage the ground surface when the pan is tilted in either direction to serve as brake shoes and to slow up and reverse the direction of rotation of the pan upon the changing of the center of gravity by the shifting of the weight of the occupant from one side to the other.

2,493,316
ELECTRICAL CUTOUT
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application March 6, 1946, Serial No. 652,323
6 Claims. (Cl. 200—114)



1. An oil switch construction comprising a casing adapted to contain oil, insulating means carried by said casing and having a portion at least projecting into the oil, a pair of stationary contacts carried by said insulating means, an insulating rotor revolubly supported within said casing, a pair of movable contact assemblies carried by said rotor on opposite sides thereof and including outwardly spring urged contacts arranged to engage and disengage said stationary contacts when said rotor is turned to a first or a second position, and a fuse link electrically connecting said movable contact assemblies, said movable contact assemblies having means arranged to tension said fuse link when said rotor is turned to said first position and to relieve said tension when said rotor is turned to said second position.

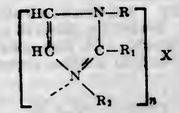
2,493,317
ELECTRICAL CUTOUT
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Original application March 6, 1946, Serial No. 652,323. Divided and this application September 10, 1947, Serial No. 773,126
2 Claims. (Cl. 200—114)



1. An oil switch comprising a casing adapted to contain oil and having an upper opening, a bail pivoted to said casing and arranged to be rocked into a vertical or horizontal position, and a removable member adapted to be inserted into said casing through said opening and including a head adapted to seat on said casing and close said opening and a rotor revolubly carried by said head and normally located within said casing, said rotor having a pair of movable contacts and a fuse joining said contacts, a pair of stationary contacts located within said casing and arranged to be electrically connected through said movable contacts and fuse when said rotor is turned to one position and to be disconnected when said rotor is turned to a second position, handle receiving means for rotating said rotor located externally of said casing, a handle detachably receivable in said handle receiving means, and means for applying pressure on said head from said bail when said bail is vertical, said bail having means for preventing the coupling of said handle and handle receiving means when said bail is in a horizontal position.

2,493,318
IMIDAZOLIUM COMPOUNDS
Horace A. Shonle, Indianapolis, and Edwin R. Shepard, Beech Grove, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 14, 1945, Serial No. 605,189
7 Claims. (Cl. 260—309)

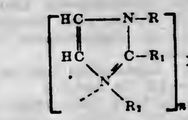
1. A composition of matter represented by the formula:



wherein R and R_1 are aliphatic hydrocarbon radicals, one of the radicals having from 1 to 7 carbon atoms and the other having from 7 to 18 carbon atoms, the total number of carbon atoms being from 10 to 25; R_2 is an aliphatic hydrocarbon radical having from 1 to 7 carbon atoms; X is an anion; and n is an integer from 1 to 3 inclusive.

2,493,319
SUBSTITUTED IMIDAZOLIUM COMPOUNDS
Horace A. Shonle, Indianapolis, and Edwin R. Shepard, Beech Grove, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 14, 1945, Serial No. 605,190
5 Claims. (Cl. 260—309)

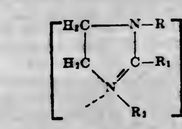
1. A composition of matter represented by the formula:



wherein R and R_1 are aliphatic hydrocarbon radicals, one of the radicals having from 1 to 7 carbon atoms and the other having from 7 to 18 carbon atoms; R_2 is a member of the class consisting of benzyl, monochlorobenzyl, dichlorobenzyl, mononitrobenzyl and dinitrobenzyl radicals; X is an anion and n is an integer from 1 to 3 inclusive.

2,493,320
SUBSTITUTED DIHYDROIMIDAZOLIUM COMPOUNDS
Horace A. Shonle, Indianapolis, and Edwin R. Shepard, Beech Grove, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 14, 1945, Serial No. 605,192
5 Claims. (Cl. 260—309.6)

1. A composition of matter represented by the formula:

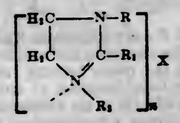


wherein R and R_1 are aliphatic hydrocarbon radicals, one of the radicals having from 1 to 7 carbon atoms and the other having from 7 to 18 carbon atoms; R_2 is a member of the class consisting of

benzyl, monochlorobenzyl, dichlorobenzyl, mononitrobenzyl and dinitrobenzyl radicals; X is an anion and n is an integer from 1 to 3 inclusive.

2,493,321
DIHYDROIMIDAZOLIUM COMPOUNDS
Horace A. Shonle, Indianapolis, and Edwin R. Shepard, Beech Grove, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 19, 1946, Serial No. 684,778
6 Claims. (Cl. 260—309.6)

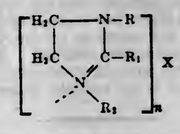
1. A composition of matter represented by the formula



in which R and R_2 are aliphatic hydrocarbon radicals each having from 1 to 7 carbon atoms; R_1 is an aliphatic hydrocarbon residue having an average carbon content of 7 to 12 carbon atoms, the sum of the number of carbon atoms in R_1 and the larger of R and R_2 being from 10 to 16, and the sum of the number of carbon atoms in R, R_1, and R_2 being not over 17; X is an anion; and n is an integer from 1 to 3 inclusive.

2,493,322
IMIDAZOLINIUM COMPOUNDS
Horace A. Shonle, Indianapolis, and Edwin R. Shepard, Beech Grove, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 19, 1946, Serial No. 684,779
5 Claims. (Cl. 260—309.6)

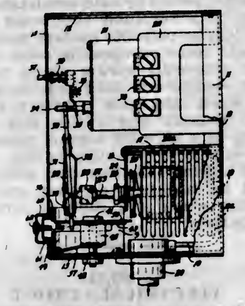
1. A composition of matter represented by the formula



in which R is an aliphatic hydrocarbon residue having a carbon content in the range of 6 to 18 carbon atoms, R_1 and R_2 are aliphatic hydrocarbon radicals each having from 1 to 7 carbon atoms, the sum of the carbon atoms in R and R_1 being from 10 to 25, X is an anion, and n is an integer from 1 to 3 inclusive.

2,493,323
CONTROL DEVICE
Adolf P. Simson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 23, 1946, Serial No. 649,596
10 Claims. (Cl. 200—83)

1. In a control device, in combination, a two-position electric switch, a pressure motor comprising a bellows and a resilient means opposing movement of said bellows, a floating lever for transmitting movement from said pressure motor to said switch, two rotatable cam members mounted on a common axis of rotation cooperable with said lever for actuating said switch in response to a predetermined movement of said pressure motor, and adjusting means associated

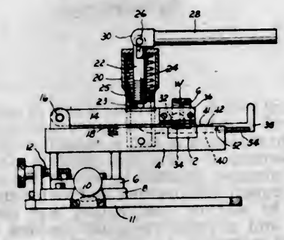


with said lever to compensate for variations in the calibration of said pressure motor.

2,493,324
POLYOXYETHYLENE ESTERS FOR IMPROVING FROZEN CONFECTIONS
Arnold B. Steiner and Aaron Miller, La Jolla, Calif., assignors to Kelco Company, San Diego, Calif., a corporation of Delaware
No Drawing. Application March 3, 1947, Serial No. 732,128
12 Claims. (Cl. 99—136)

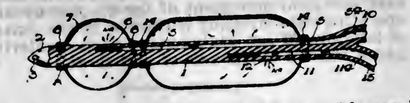
1. A frozen confection mix additive comprising an edible hydrophilic stabilizing colloid, and polyoxyethylene ester of stearic acid.

2,493,325
METHOD AND APPARATUS FOR OPTICAL PROJECTION OF RACEWAY CONTOURS AND THE LIKE
Clarence C. Stevens, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 3, 1944, Serial No. 543,258
9 Claims. (Cl. 88—24)



1. The method of inspecting the transverse curvature of a raceway in the interior of an outer race ring of an antifriction bearing, comprising the steps of moving the ring endwise to surround a narrow plastic member maintained in a radial plane of the ring, forcing the narrow plastic member and a segment of the raceway into pressure contact along said radial plane of the ring to form a continuous impression of the raceway curvature, removing the ring endwise from surrounding relation to the impression, shifting a master of acceptable curvature into potential registration with the curvature of the impression in said plane, and projecting light perpendicular to said plane and between the adjacent curves to reveal the extent of coincidence.

2,493,326
TAMPON FOR CONTROL OF INTRACTABLE NASAL HEMORRHAGES
John H. Trinder, Washington, D. C.
Application March 1, 1949, Serial No. 79,073
5 Claims. (Cl. 128—325)

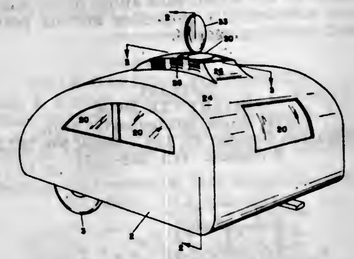


1. A tampon for the control of intractable nasal hemorrhages, comprising, an elongated flexible body, a pair of juxtaposed inflatable bag elements mounted on the outside of the body, said body having a forked terminal portion including separate air passages leading respectively from each branch of the forked terminal portion to the interior of each bag, and valve means in the end of each branch of the forked terminal portion.

2,493,327
AQUEOUS COMPOSITION FOR TREATING IRON AND STEEL
Donald W. Vance, Pasadena, Calif., assignor to Kelite Products, Inc., Los Angeles, Calif., a corporation of California
No Drawing. Application September 27, 1946, Serial No. 699,643
1 Claim. (Cl. 148—6.15)

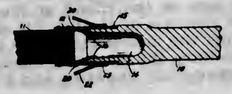
A composition for treating iron and steel which composition consists of an aqueous solution including phosphoric acid 7.4 to 18.4%; formic acid 0.6 to 1.5%; zinc 0.025 to 0.06%; ethylene glycol monobutyl ether 0.9 to 2.4%; wetting agent 0.05% to 0.12%, and the remainder 91.0 to 77.5% water.

2,493,328
PORTABLE SOLARIUM
Anthony Wandyak, Ballston Spa, N. Y.
Application July 23, 1946, Serial No. 685,755
1 Claim. (Cl. 128—372)



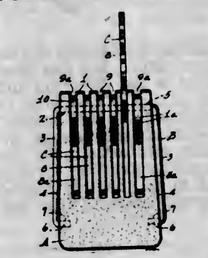
A portable solarium adapted to gather and direct the rays of the sun downwardly to a person sun bathing within, said portable solarium including a body, ventilating means including a power driven fan for circulating air through said body, said body being formed with a housing on the top thereof, a transparent cover for said housing, a reflector for directing the rays of the sun downwardly through said body, said reflector comprising a vertically disposed disk, a base for said reflector including a ring rotatably mounted in said housing, means for rotating said ring in order that said reflector may follow the sun and ray condensing and diffusing lenses in the housing below said cover whereby the rays of the sun are condensed and diffused on a person sun bathing within.

2,493,329
PAINTBRUSH EMBODYING HANDLE DRIP CHAMBER
Anthony F. Wirth, University Heights, Ohio
Application July 31, 1945, Serial No. 607,943
4 Claims. (Cl. 15—171)



1. A paint brush comprising a handle having a reservoir therein, a bristle section pivotally mounted thereon and a means including an apertured ferrule and a flange constituting a funnel mounted on the bristle section and defining a passageway opening into the reservoir for directing paint into the reservoir when the brush is held with the free ends of the bristles upwardly disposed.

2,493,330
KEY CONTAINER
Clarence J. Zimmerman, Watsonville, Calif.
Application March 19, 1946, Serial No. 655,569
1 Claim. (Cl. 70—456)

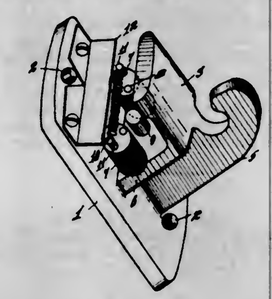


A key container comprising a U-shaped body having a base portion and spaced parallel arms integrally formed thereon, a plurality of teeth between said arms, said teeth being formed integral with the said body and extending from one side of the base portion and spaced from each other and from said arms, the free ends of said arms and teeth being provided with aligned recesses, a substantially U-shaped spring clamp removably secured to the body and having its bight portion extended across the arms and teeth in said recesses and adapted to pivotally receive a plurality of keys, each key being receivable in the individual space provided between adjacent extending teeth and arms, the teeth spacing adjacent keys apart at all times when the clamp is assembled on the body member, the width of said teeth being limited to substantially the width of a key shank to permit both edges of the shank to be easily viewed and the length of said teeth being greater than the length of the key shanks so that the entire lengths of the key shanks will be received in the spaces and the keys are free to be swung about the bight portion throughout a complete circle.

2,493,331
CLOTHESLINE HANGER
Robert R. Adams, Cincinnati, and Robert L. Henry, Indian Hill Village, Ohio
Application August 1, 1947, Serial No. 765,572
1 Claim. (Cl. 24—134)

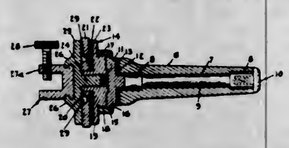
A clothes line hanger, comprising a bracket having a base with a hook extending from one

side thereof, the shank of the hook having a plane upper side and the beak extending perpendicular to the upper side of the shank with its inner side arched crosswise for a bearing contact of a clothesline and a pair of roller clamps adjoiningly disposed and each eccentrically journaled upon the upper side of the shank of the hook intermediate of the base of the bracket and beak, the base limiting the movement of the clamps in an inactive position, the clamps independently operable for peripherally engaging and wedgingly im-



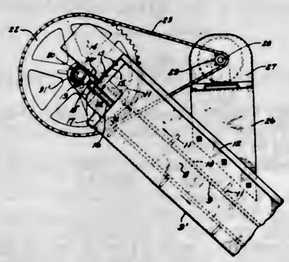
pinging a clothesline against the inner surface of the beak upon which the line bears to withhold line movement in one direction and in an opposing direction to that of the other clamp and conjointly to withhold the line against movement in alternate directions, said clamps spring coupled to yieldingly urge and sustain the same collectively and independently in either an active or inactive position and in an inactive position under tension in bearing contact with the base of the bracket.

2,493,332
ALIGNING DEVICE
Gerald C. Aubin, Burlington, Vt.
Application June 7, 1945, Serial No. 598,143
5 Claims. (Cl. 33—172)



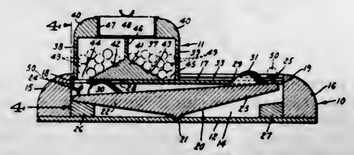
5. A device of the character described for use in the centering of work in a machine tool: said device comprising a journal member releasably securable in the machine tool, a shaft rotatably mounted in the journal member and directed with its longitudinal axis coinciding with the axial center line of the machine tool, mount means positioned at one end of said shaft, an operating disc on said mount means and adapted for rotational movement about the axis of said shaft, said operating disc being formed with an eccentric track, a carrier disc on said mount means adjacent said operating disc, said carrier disc being provided with a radially directed slot in registering relation with an adjacent portion of the eccentric track, a clamping bracket operably mounted on said carrier disc for movement in a direction normal to the shaft axis, a pin element carried in said bracket to extend through the radial slot for engagement in said eccentric track, rotational movement of said operating disc serving to effect, through the eccentric track, precision movement of said bracket relative to the carrier disc, and a work centering gauge operably secured to said clamping bracket in a laterally off-set relation with respect to the shaft axis, precision movement of the bracket by said operating disc effecting a change in the extent of laterally off-set positionment of the centering gauge relative to the axis of said shaft.

2,493,333
CONVEYER
Herman W. Baehr, Waupaca, Wis., assignor to Eagle Manufacturing Company, Appleton, Wis., a corporation of Wisconsin
Application July 19, 1946, Serial No. 684,823
7 Claims. (Cl. 198—203)



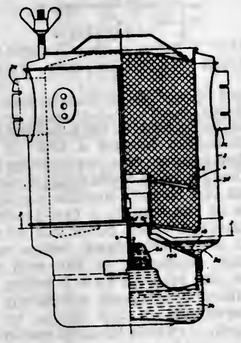
1. In a conveyor, a housing having a deck along which material is advanced to a discharge end, operating means longitudinally adjustably supported on the housing and spacedly beyond the discharge end of the deck, and an adjustable, elongated apron bridging the space between the discharge end of the deck and said operating means in all positions of longitudinal adjustment of the latter, said apron being engaged by and substantially encircling moving portions of said operating means.

2,493,334
CIGARETTE BOX
Curtis Block, Bridgeport, Conn.
Application October 25, 1947, Serial No. 782,201
9 Claims. (Cl. 312—77)



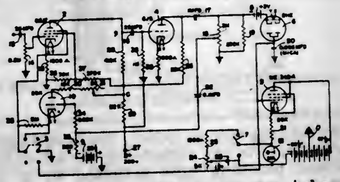
3. In a cigarette box, an elongated base having a slot-like opening adjacent each end, a pair of supports movable inwardly and outwardly through the respective slots, a receptacle slidable on the base from end to end thereof, and means whereby as the receptacle is moved to either end of the base the receptacle deposits a cigarette in the support at said end of the base and causes the support at the other end of the base to move outwardly through the slot at said other end of the base.

2,493,335
AIR CLEANER
Donald Bennion Browne, Harpenden, and Kenneth Ernest Buckman, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 16, 1944, Serial No. 526,663
In Great Britain March 17, 1943
2 Claims. (Cl. 183—15)



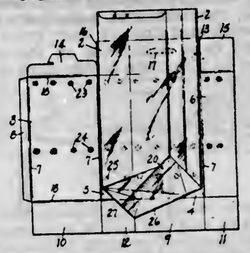
2. In an air cleaner including a casing having a body of wetted porous or fibrous filter material above a liquid containing sump and an air inlet passage for flow of air under the filter body and over the liquid in the sump; a liquid level compensator centrally located in the sump and immersed in the liquid therein comprising an annular chamber having a centrally apertured reentrant lower and inner wall and an inwardly inclined outer and top wall, the top portion of the reentrant lower and inner wall being apertured at the level at which liquid is to be maintained in the sump to provide for overflow at such level, and the inwardly inclined outer and top wall extending from below to above such level and being apertured above such level to vent air from within the compensator.

2,493,336
PEAK READING VOLTMETER
Michael J. Burger, Murray Hill, N. J., Russell W. Collins, Monroe, N. Y., and Arthur S. Cosler, Jr., Columbus, Ohio, assignors to the United States of America as represented by the Secretary of the Navy
Application September 13, 1946, Serial No. 696,925
9 Claims. (Cl. 171—95)



1. In combination with a vacuum tube voltmeter, a circuit responsive to input pulse signals of alternate polarity in which the first half-wave is of negative polarity and the second half-wave is of positive polarity, said circuit comprising means for amplifying said input signals, means for applying to said voltmeter a voltage proportional to the peak of said first half-wave pulse, and means for rendering said amplifying means incapable of applying the voltages from subsequent pulses to said voltmeter said later means being responsive to receipt of the first positive pulse following the initial receipt of said negative pulse.

2,493,337
LINED CARTON OR CONTAINER
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application October 25, 1945, Serial No. 624,379
5 Claims. (Cl. 229—14)

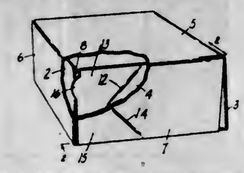


1. A flat foldable carton of rectangular section when erected formed of an integral blank of relatively stiff stock comprising aligned hingedly connected side and end walls, the ends of the blank being connected, there being top and bottom closure extensions at the top and bottom ends of the walls foldably connected thereto, and a tubular liner of relatively flexible material longitudinally scored to provide side and end wall portions corresponding in width to the side and end wall portions of the carton, the end wall portions of the liner being longitudinally scored to form accordion pleats, the liner being sealed at its lower end, the seal extending across the accordion pleats in folded overlapping relation to each other in each liner end wall, the accordion pleats of each liner end wall above the seal thereof being disposed in an opened extended flattened condition against one of said end walls of the carton when the carton is disposed in a flattened condition, the liner when collapsed and with the end wall pleats thereof disposed in said opened extended flattened condition against the end walls of the carton being adhesively secured to the inner sides of the carton walls closely adjacent to the juncture of the top closure extensions to the walls by a row of spot adhesive, one pair of side and end walls of the liner when collapsed and with the end wall pleats thereof disposed in said opened extended flattened condition against the end walls of the carton being further adhesively secured to one pair of the carton side and end walls adjacent to but spaced from the juncture of the bottom closure extensions thereto, the bottom end portion of the liner being folded into a flattened condition against the body portion of the liner, the seal being disposed in an upwardly inclined position to facilitate folding said bottom end portion in a flattened condition against the body of the liner.

2,493,338
COVERED BOX OR CONTAINER
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application April 16, 1947, Serial No. 741,856
10 Claims. (Cl. 229—36)

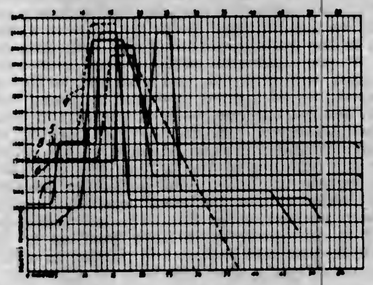
1. In a collapsible container, the combination of a body comprising a bottom and front and rear

and end falls, the body front having corner flaps extending therefrom, a cover extending from the upper edge of the body rear wall and having cover and end front walls extending therefrom, the cover front wall having end flaps extending therefrom, the several parts being formed of an integral blank scored to provide hinged connections for the parts, the body end walls having diagonal scored or weakened lines at the front ends thereof providing joint flaps collapsible on the outer sides of the body end walls and to which the corner flaps of the body front wall are secured permitting inward collapsing of the body end and front walls, the cover end walls having diagonal scores or weakened lines at their front ends providing joint flaps collapsible on the outer sides thereof and to which the corner flaps of the front



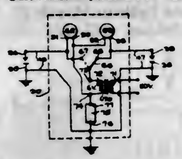
cover wall are adhesively secured permitting inward collapsing of the cover end and front walls, the joint flaps of the body end walls having tongues projecting from the end edges thereof, said tongues being cut from the inner edges of the body front wall corner flaps and acting to retainingly engage the cover front wall when the cover is closed, the corner flaps of the body front wall having lugs projecting from the bottom edges thereof cut from the end edges of the body and wall joint flaps and acting to supportingly engage the bottom for supporting the front wall in vertical position when the container body is erected, the bottom having slits therein positioned at the hinge connection for the body bottom and front wall to receive said lugs when the container body is collapsed.

2,493,339
HEAT-TREATMENT OF CAST IRON
Robert R. Campbell, Muskegon, Mich.
Application July 17, 1946, Serial No. 684,162
6 Claims. (Cl. 148—21.55)



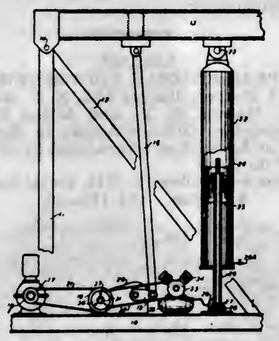
1. The method of heat treating raw ferrous metal castings containing primary carbides or free cementite which comprises rapidly raising the casting having a temperature of approximately 1,000° F. to a temperature between 1,900° F. and 2,100° F., holding it at that temperature between two and twenty minutes, rapidly cooling the metal to a temperature between 1,000° F. to 1,400° F., and holding it at that temperature between ten and sixty minutes.

2,493,340
MOTION-PICTURE REEL END SIGNAL MECHANISM
Louis Cohen and Stewart R. Rahn, Philadelphia, Pa.
Application December 2, 1947, Serial No. 789,146
2 Claims. (Cl. 177—311)



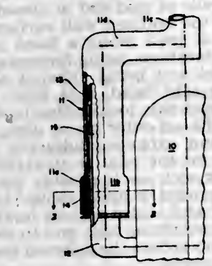
1. An indicator system for a motion picture projector installation having a pair of alternately operable film supply reels, comprising in combination: a signal housing containing a source of electric current, an electric audible signal connected to one side of the source, a two-position selector switch connected to the other side of said source, and a pair of electric signal lamps each having one terminal connected to the said one side of said source, the selector switch being movable to either position to connect selectively to the remaining terminals of the lamps to energize a selected lamp; a switch housing mounted on each projector, a speed responsive switch mounted in each switch housing and connected to its associated reel to close the switch at a predetermined reel speed corresponding to a near depleted condition of the film supply; and connectors connecting one side of each switch to its associated lamp and the other side of each switch to the other side of said audible signal.

2,493,341
APPARATUS FOR PRESSURING AIR COUNTERBALANCE CYLINDERS
William G. Corey, Altadena, Calif.
Application August 2, 1948, Serial No. 42,104
3 Claims. (Cl. 103—205)



1. Apparatus for providing make-up and repressuring air to the cylinder of an air-balanced deep well pumping unit actuated by a prime mover through a speed reducer, comprising: a pulley revolving freely on the high-speed shaft of said reducer; manually operable means for locking said pulley to said shaft for synchronous rotation; an air compressor having a pulley mounted to revolve freely on an extension of its crankshaft; a belt connecting said pulleys for synchronous rotation; a conduit connecting the discharge of said compressor with the interior of said counterbalance cylinder, and clutch means responsive to the pressure in said conduit for locking second said pulley to said crankshaft for synchronous rotation, said clutch means being so arranged as to render said compressor operative when the pressure in said conduit falls below a predetermined level and to render said compressor inoperative when said pressure reaches said level.

2,493,342
OFFSET LANDING GEAR STRUT WITH CONTINUOUSLY CIRCULATING BALL TYPE BEARING
Wendell E. Eldred and Frederick J. Boody, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application September 18, 1945, Serial No. 617,048
19 Claims. (Cl. 244—104)



6. An offset cantilever shock-absorbing strut, a rectilinear type bearing for the relatively movable telescoping inner and outer elements in the offset portion of said strut, the outer said element having an enlarged bore terminating in a shoulder portion, a guide element disposed within said outer bore arranged to define a plurality of longitudinally-extending outer return ball races, a sleeve element disposed to telescopingly fit within said guide element adapted to define in cooperation with said guide element and said inner strut element a plurality of longitudinally-extending inner load-carrying ball races, retaining means disposed toward the end of said outer element bore adapted to fix said guide and sleeve elements within said bore and against said shoulder, and ball elements within said races arranged for continuous circulation upon telescoping movement of the said inner and outer strut elements.

2,493,343
STABILIZATION OF POLYMERIZABLE MIXTURES
Howard L. Gerhart, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application September 21, 1944, Serial No. 555,199
4 Claims. (Cl. 260—45.4)

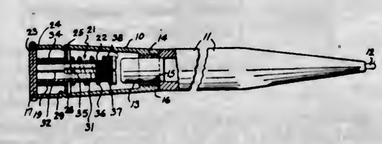
3. In a method of forming a resinous product by conjointly polymerizing a mixture of styrene and an ester of endomethylene tetrahydrophthalic acid and a glycol of a class consisting of diethylene glycol and triethylene glycol and in which the mixture is made up and is maintained at room temperature a substantial period of time before polymerization, the steps of maintaining the mixture in intimate contact with oxygen prior to polymerization by bubbling gas containing oxygen therethru, whereby to prevent polymerization and then just prior to polymerization, discontinuing the supply of oxygen.

2,493,344
PLASTIC FISHHOOK AND SNELL HOLDER
Lewis E. Hamel, Rochester, N. Y., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y., a corporation of New York
Application July 12, 1949, Serial No. 104,217
9 Claims. (Cl. 43—32)



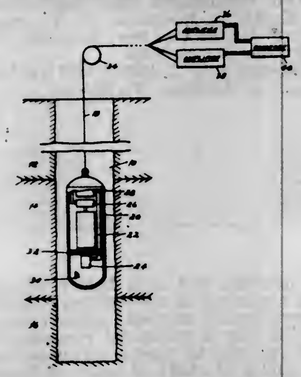
8. A fishhook and snell holder comprising a housing consisting of two sections of plastic material permanently secured together, each of said sections having a channeled cross-section with slots at one end to receive spring-actuated retainers and a plurality of series of transversely arranged hook-receiving openings at the other end, said sections having curved grooves in their inner surfaces adjacent said slots, springs and spring-actuated retainers seated and movable in said grooves, a spring-guiding plate arranged between the sections and having curved grooves in its opposite surfaces engaging said springs and retainers, said sections having grooves in their outer surfaces extending endwise thereof to receive the snells, ridges between said grooves extending somewhat above portions of the snells when the latter are positioned on the holder, and inwardly extending transverse partitions contacting and permanently attached to each other forming a sealed air chamber at the center of the housing.

2,493,345
COMBINATION MEASURING TAPE AND PENCIL
John G. Harmon, Ansonia, Conn., assignor of one-half to John J. Sharkey, Seymour, Conn.
Application February 27, 1947, Serial No. 731,316
6 Claims. (Cl. 242—84.8)



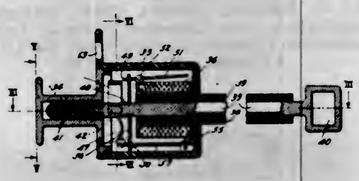
6. A device of the character described comprising a shell provided with means at one end for mounting it on a handle such as a pencil and the like, a member mounted in the shell for turning movements to form a winding drum and provided with an operating head at the other end of the shell, a flexible tape secured to the drum for winding thereon and projecting through a side of the shell, a ratchet member mounted stationary in the shell, and a holding member mounted to turn with the winding member and cooperating with the ratchet to yieldingly hold the winding member against turning in either direction.

2,493,346
WELL LOGGING DETECTOR CALIBRATION
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 29, 1946, Serial No. 693,775
10 Claims. (Cl. 250—83.6)



1. The method of logging a bore hole which comprises passing through said hole means for detecting variations in the natural gamma radioactivity of the formations surrounding said hole, continuously measuring in the close vicinity of said detecting means direct radiation from a radioactive source passed through the hole with said detecting means, and noting variations in the measurements of the radioactivity from said source caused by changes in a characteristic of said hole.

2,493,347
HIGH-VOLTAGE CIRCUIT BREAKER FOR DISTRIBUTION LINES
George L. Hill, Oakland, Calif.
Application September 15, 1943, Serial No. 502,716
6 Claims. (Cl. 200—88)



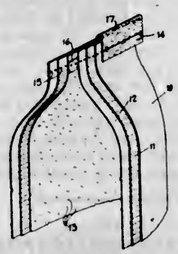
1. In a circuit breaker, a supporting insulator; terminal members on the insulator; a housing support on one terminal member; a housing insertable in said support for retention in a set position; a stationary conductor in said housing; an ejectable conductor in said housing; a spring arm connected to the other terminal and to said ejectable conductor and tending to pull the ejectable conductor out of the housing; said housing support, said stationary conductor, said ejectable conductor, and said spring arm all being in circuit with said terminal members; a tripping member normally retaining the ejectable conductor in said housing; and an electro-magnetic coil surrounding and responsive to current flow in said ejectable conductor for operating said tripping member to release said ejectable conductor.

2,493,348
BAG WITH EXTENSILE SEALED LINER
Edgar B. Hoppe, New York, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application September 21, 1944, Serial No. 555,059
1 Claim. (Cl. 229—55)



A multi-ply bag, the outer ply or plies of which are formed of paper, substantially non-stretching in normal use of the bag and enveloping a liner ply of fluid-impervious susbtantially stretchable material, the plies all having a line of perforations along an end of the bag, and stitching means extending through said perforations to retain the opposed bag walls at said end in closed upstanding condition, the opposed wall surface areas of the liner ply, at least along a band just inside said line of perforations, being formed of thermoplastic material and being adhered and sealed together along said band, said liner ply being sufficiently stretchable longitudinally of the bag as compared with an outer ply or plies, when the bag is filled and expanded adjacent said end, to compensate for the relative shortening of the liner ply due to such sealing inside the stitching means, and whereby the stress applied to the liner ply when filled and sealed will be largely transmitted to an outer ply or plies and to said stitching means to thus relieve the adhered sealed areas of substantial stress.

2,493,349
BAG WITH EXTENSILE SEALED LINER AND METHOD FOR MAKING SAME
Edgar B. Hoppe, New York, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application November 30, 1946, Serial No. 713,274
2 Claims. (Cl. 229—55)



1. A multi-ply bag including an outer ply of paper, substantially non-stretching in normal use of the bag, an intermediate ply of creped sheet material, said plies enveloping a liner ply of substantially fluid impervious extensile thermo-plastic sheet material which is adhered on its outer surface at least to the high points of the creping of the creped ply, the plies all having a line of perforations along an end of the bag, and stitching means extending through said perforations to retain the opposed bag walls at such end in closed upstanding condition, the opposed contacting wall surface areas of the thermo-plastic ply, at least along a band just inside said line of perforations, being adhered and heat-sealed together,

said latter ply having its extensibility limited by reason of its adherence to said creped ply, but being substantially and sufficiently extensile to compensate, when the bag is filled and expanded, for the relative shortening of the thermo-plastic and creped plies due to such sealing, and whereby the stress applied to the thermo-plastic ply when filled and sealed will be largely transmitted to other plies to thus relieve the adhered sealed areas of substantial stress.

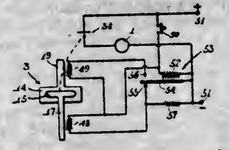
2,493,350
LUBRICATION APPARATUS FOR ENGINES
Hal B. Jaynes, Lenoir, N. C.
Application January 9, 1947, Serial No. 721,093
6 Claims. (Cl. 123—196)



1. Lubrication apparatus for an internal combustion engine having main bearings for a crank shaft and connecting rod bearings adapted to be mounted on the crank shaft and an oil pan and cups through which the connecting rod bearings travel, said engine having an ignition circuit and an intake manifold and a driven fan for cooling the engine, an oil reservoir disposed at a higher level than the oil pan, a siphon pipe extending from the oil reservoir into the oil pan and having a check valve in the lower end thereof and an opening in the highest portion of the siphon pipe, a vane movable by the flow of air from the fan for closing the opening to allow oil to siphon from the reservoir into the oil pan, a diaphragm in the lower portion of the reservoir and spring means for normally moving the diaphragm upwardly to expel the oil in the reservoir through the siphon pipe into the oil pan, means connected to the intake manifold of the engine for creating a vacuum in the oil reservoir below the diaphragm for withdrawing oil from the oil pan in the reservoir, a pipe leading from the siphon pipe to all of the cups through which the connecting rod bearings travel, means operable by the force of the slipstream of the fan when the engine is cruising above normal cruising speed for breaking the vacuum below the diaphragm to allow the spring to raise the diaphragm to expel oil from the reservoir into the cups through which the connecting rod bearings travel, means operable by closing the ignition circuit for also breaking the vacuum below the diaphragm and allowing its spring to move the diaphragm upwardly to expel oil from the reservoir into the pans through which the connecting rod bearings travel, and means operable by the engine assuming a predetermined inclined position for breaking the vacuum in the top of the reservoir and also in the space below the diaphragm in the bottom thereof for allowing oil to be expelled from the reservoir into the pans through which the connecting rod bearings travel.

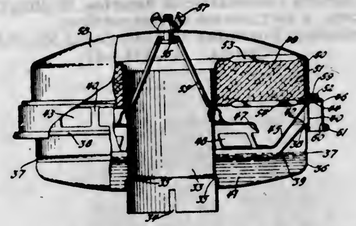
2,493,351
PRESSURE TYPE FIRE DETECTING SYSTEM
Harry S. Jones, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange N. J., a corporation of New Jersey
Application April 13, 1946, Serial No. 662,026
3 Claims. (Cl. 177—355)

1. In a differential thermostat comprising two pressure chambers, a movable wall separating said chambers and temperature-responsive means for varying the pressures in said chambers: a test system comprising means for changing the pressure in one of said chambers, means for



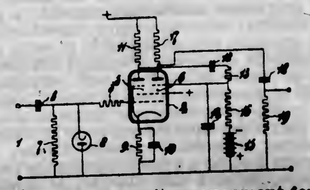
changing the pressure in the other of said chambers, and means interconnecting said pressure-changing means and placeable into operation to cause said changing means to be rendered effective in sequence.

2,493,352
AIR CLEANER
Herbert G. Kamrath, Gastonia, N. C., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Continuation of application Serial No. 468,767, December 12, 1942, which is a division of application Serial No. 740,420, August 18, 1934. This application October 31, 1947, Serial No. 783,392
13 Claims. (Cl. 183—15)



1. In an air cleaner, a receptacular body, a cover for the body shaped generally like an inverted cup, a filter member which is separable from the body and the cover and disposed within the latter clamped between the outer walls of the body and the cover, and an air inlet orifice in the body below the filter member.

2,493,353
SYNCHRONIZING SIGNAL SEPARATING CIRCUIT
Jan Kuperus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 8, 1947, Serial No. 727,468
In the Netherlands March 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 25, 1964
1 Claim. (Cl. 178—7.3)



A synchronizing circuit arrangement for a television receiver responsive to signals comprising

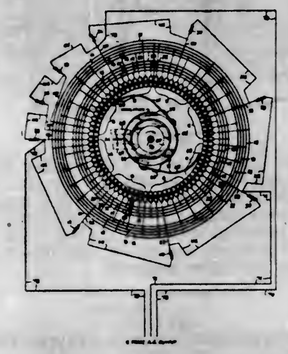
line synchronizing pulses and image synchronizing pulses comprising a plurality of interruption pulses occurring within the period of said image synchronizing pulses and appearing in fixed time relationship with respect to said line synchronizing pulses, comprising an electron discharge device having a first anode, a second anode, a cathode common to said anodes, a first control grid common to said anodes and interposed between said anodes and said cathode, and a second control grid interposed between said second anode and said first control grid, said cathode, first control grid, second control grid and second anode forming a transmission path, means to apply said image synchronizing pulses and said interruption pulses to said first control grid, a network coupled between said first anode and said second control grid for integrating image synchronizing pulses derived from said first anode, and biasing means interposed in said integrating network to normally close said transmission path for values of said integrating pulses below a predetermined threshold value.

2,493,354

MECHANICAL DEVICE FOR CONVERTING DIRECT CURRENT INTO HIGH-FREQUENCY ALTERNATING CURRENT

James L. McCoy, La Canada, Calif., and Dennison H. MacDonald, East Haven, Conn., assignors to Revere Corporation of America, Wallingford, Conn., a corporation of Connecticut

Application November 27, 1948, Serial No. 62,322
7 Claims. (Cl. 321—49)



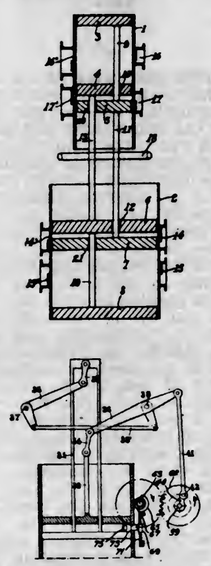
1. A mechanical device for converting direct current into high-frequency polyphase alternating current, including in combination: a plurality of frequency-multiplying sets of contacts arranged in sequence and each of said sets corresponding in number of contacts to the number of contacts in the other of said sets, the number of said sets of contacts being a multiple of the phase of the desired polyphase alternating current; a plurality of electrical interconnectors respectively connecting together similar contacts of each of said sets to provide a contact system of 720 electrical degrees or more for each of said polyphases; a plurality of electrical take-offs respectively connected to the said electrical interconnectors to convey polyphase alternating current therefrom to a desired alternating-current device; resistance-means having a greater resistance than the said interconnectors and electrically connecting the same together; and a pair of complemental mechanically-driven brushes constructed and arranged to successively sweep over the said plurality of said sets of contacts to supply direct current thereto; whereby each complete cycle of movement of the said complemental brushes with respect to the said plurality of sets of contacts provides a plurality of polyphase alternating-current cycles to the said electrical take-offs.

2,493,355

FREE-PISTON COMPRESSOR

Ernest Mercier and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia

Application May 29, 1945, Serial No. 596,499
In France October 2, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 2, 1962
18 Claims. (Cl. 230—53)



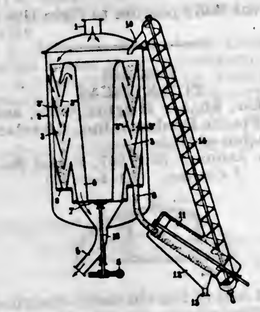
1. In a fluid pressure machine having a prime mover and a gas compressor driven by said prime mover, the combination with a prime mover cylinder for expansion therein of fluid under pressure to develop the power to drive the compressor, and a gas compressor cylinder for compression of a gas therein, of a plurality of pistons in each of said cylinders, alternate pistons in each cylinder being connected to move together in their respective cylinders in the same directions of forward and reverse movement, at least two connected pistons in one cylinder being connected to at least one piston in the other cylinder, means for introducing fluid under pressure between adjacent pistons of the prime mover cylinder to drive them in opposite directions in said prime mover cylinder to drive the corresponding pistons of said compressor to which they are connected in opposite directions in said compressor cylinder, and means for confining the gas to be compressed between pistons of said compressor cylinder which are moving toward each other to effect compression of said gas.

2,493,356

APPARATUS FOR REMOVING DUST FROM GASES

Ernest Mercier and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia

Application May 29, 1945, Serial No. 596,500
In France February 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 16, 1963
17 Claims. (Cl. 183—46)



1. Apparatus for separating from a gas material suspended therein which comprises means providing a separating chamber, a member rotatable within said chamber and constructed to provide a plurality of gas passages distributed circumferentially about the axis of rotation of said member, means cooperating with said member for supporting particulate material within said passages, and means for conveying the gas carrying the suspended material through some of said passages for removal of the suspended material by contact with said particulate material during rotation of said member while preventing movement of the gas through others of said passages.

2,493,357

UNDERGARMENT

Rubia L. Miller, National City, Calif.

Application January 8, 1946, Serial No. 639,712
2 Claims. (Cl. 2—238)



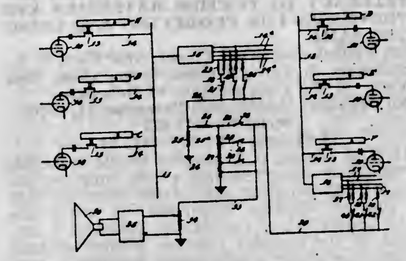
1. In an undergarment of the class described, the combination of a pair of side pieces having concave, cutout portions in the middle thereof, at their normally lower edges, opposite ends of said side pieces forming crotch portions, seam edges of said front and rear crotch forming portions of both of said side pieces connected by common vertical and horizontal seams intersecting at the crotch portion of the under-garment, said opposite ends of said side pieces connected at the middle of said undergarment at the front and back thereof, the upper edges of said side pieces forming a waistband adapted to completely surround the waist of the wearer, the front of said undergarment formed by downwardly curved portions of said side pieces, said concave cutout portions at the lower edge of said side pieces being of shorter radius near the front crotch portions than at the lower edge thereof near the rear crotch portions, and a front piece positioned on the inner side at the front of said side pieces, diverging upwardly and connected with said crotch portions at its lower edge, the upper edge of said front piece terminating at the upper edges of said side pieces.

2,493,358

MUSICAL INSTRUMENT

James A. Oswald, Chicago, Ill., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois

Application October 25, 1946, Serial No. 705,773
6 Claims. (Cl. 84—1.19)



1. In a musical instrument having tone signal generators and at least two separate sets of selectors, an electrical network in which said generators and said selectors are connected for impressing signals from selected generators on separate paths in said network, translating means in the output of said network and including a volume control device connected to one of said paths, and means for selectively interconnecting the other of said paths with said volume control device by any one of a plurality of channels of respectively different resistances for determining the amplitude of signals conducted to said volume control device from said other path.

2,493,359

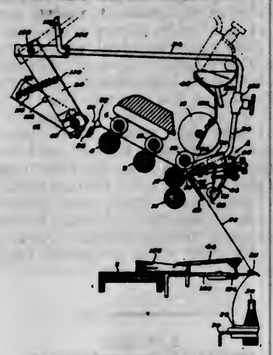
WET SPINNING OF TEXTILE FIBERS

Erle V. Painter, Jr., Newtonville, Mass., assignor to Fabric Research Laboratories, Inc., Boston, Mass., a corporation of Massachusetts

Application October 1, 1947, Serial No. 777,332
11 Claims. (Cl. 57—35)

1. The method of spinning textile fibers which comprises drafting a traveling roving strand of textile fibers in a drafting zone to elongate the strand and reduce it to suitable size for spinning,

applying a liquid treating medium to the drafted, dry, untwisted strand after it has left the drafting zone, and then immediately twisting the wetted, drafted strand.



2,493,360

MATERIALS FOR IMPARTING WATER REPELLENCY TO TEXTILE MATERIALS AND PROCESSES FOR PRODUCING AND USING THE SAME

Mark Pollock and Ernst Zerner, New York, N. Y., assignors to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 11, 1946, Serial No. 715,612
18 Claims. (Cl. 117—135.5)

11. The process of rendering textile materials permanently water repellent which comprises the steps of impregnating said textile material with an aqueous alkaline dispersion, in which the major proportion of the alkaline material is ammonia, of the complex reaction product secured by reacting under substantially anhydrous conditions an aliphatic acid nitrile of the formula R—C≡N, where R is an aliphatic group containing 12–20 carbon atoms, with a material which furnishes formaldehyde under the reaction conditions in the presence of a catalytic amount of an acid selected from the group consisting of sulfuric acid and chlorsulfonic acid at a temperature of approximately 60–65° C. for approximately 2–3 hours to secure an intermediate product, and reacting said intermediate product with phosphorus trichloride at a temperature of approximately 60–65° C. for approximately one hour, and thereafter drying and curing said impregnated textile material at 100–180° C.

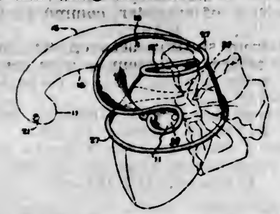
2,493,361

HAT AND CONSTRUCTIONAL ELEMENT THEREFOR

Sarah B. Roberts, Los Angeles, Calif.

Application September 29, 1947, Serial No. 776,741
4 Claims. (Cl. 2—175)

1. A hat composed essentially of an S-shaped constructional element which in extended form comprises a sinuous body portion of progressively increasing width, the widest end of said element terminating in a rounded end having a margin at a sharp angle to the adjacent concave marginal edge of the body portion, the margin of said rounded end being attachable to the adjacent margin of the body portion to form the crown of a hat.



2,493,362

TOILET SEAT

Elmer Rocker, Shaker Heights, Ohio, assignor to Century Plastic Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application January 30, 1947, Serial No. 725,247
2 Claims. (Cl. 4—237)



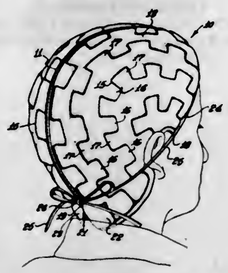
1. A toilet seat of the character described, comprising moulded plastic upper and lower members secured together at their marginal edge portions, said upper member having reinforcing ribs which are relatively shallow in depth and terminate short of a plane defined by the marginal edges of said upper member, said ribs being in non-contacting relationship with the lower member, said ribs extending substantially radially of the upper member and having recesses in their lower edges, whereby the ribs are of truss-like contour.

2,493,363

HAIR-DRYING CAP

Marion Loran Sapp, Long Beach, Calif., assignor to Hair-Queen Dryer Cap Corp., Los Angeles, Calif., a corporation of California

Application May 21, 1948, Serial No. 28,442
3 Claims. (Cl. 34—95)



1. An adjustable hair-drying cap adapted to be worn over wet hair of different configurations on the human head, comprising: a compliant, flexible, non-metallic head covering arranged to conform to the contours of a human head and virtually forming a hollow hemisphere, the marginal edges thereof including a pair of opposing indentations arranged to accommodate each ear of a wearer, and a rear indentation separating a pair of adjacent neck flaps, the head covering being composed of internal and external surface layers of permeable, limp material and an intermediate layer of granular, comminuted, absorbent material, said absorbent material being restrained from shifting between said layers and held in position to present a large contact area by a plurality of spaced lines of stitching connecting said internal and external layer, each line of stitching being in the form of a square wave.

2,493,364

POLYMERIC ADDITION PRODUCTS OF REACTIVE METHYLENIC COMPOUNDS AND SULFONE-ACTIVATED ETHYLENIC COMPOUNDS

Dwight L. Schoene, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 27, 1947, Serial No. 731,414
4 Claims. (Cl. 260—78.4)

4. A polymeric addition product of a compound of the formula

$$R_1-\overset{H_2}{C}-R_2$$

and a compound of the formula

$$H-\underset{X}{\overset{X}{C}}=C-SO_2-(R_3SO_2)_n-C=\underset{Y}{\overset{Y}{C}}-H$$

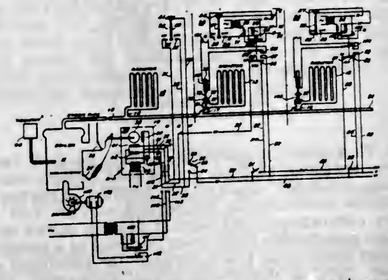
where n represents a whole number selected from 0 and 1; R_1 and R_2 are selected from the group consisting of —COOR, —COR, —CN, —$CONH_2$, —CONHR, —SO_2R; R represents unreactive hydrocarbon; X and Y are radicals selected from the group consisting of hydrogen, alkyl, and aryl; R_3 is a divalent organic radical selected from the class consisting of alkylene and oxy bis-alkylene radicals.

2,493,365

CONTROL SYSTEM

Frederic B. Schramm, Garden City, N. Y.

Application May 13, 1943, Serial No. 486,813
9 Claims. (Cl. 237—9)



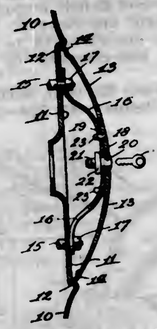
6. A heating system comprising a heat energy source, a thermostat for controlling the same of the double-throw type having "on" and "off" terminals and a temperature-responsive blade with a "neutral" terminal connected thereto, a radiator in a space to be heated with a connection to said heat source, a second thermostat in said space, an electrically controlled valve in the connection to the radiator, an electric controller for said heat source having "on," "off" and "neutral" terminals and being of the type increasing heat when the "on" and "neutral" terminals are connected and decreasing heat when the "off" and "neutral" conductors are connected, "on," "off" and "neutral" conductors between the "on," "off" and "neutral" terminals, respectively, of the controller and said first thermostat, and means controlled by said second thermostat including a double-throw neutral-conductor contactor and a valve-operating contactor, said double-throw contactor comprising normally closed contacts in series with the neutral conductor and normally open contacts between said "neutral" conductor and said "on" conductor, the valve having a control winding in circuit with said valve-operating contactor.

2,493,366

HUBCAP

Matt Simcich, Los Angeles, Calif.

Application January 2, 1947, Serial No. 719,876
1 Claim. (Cl. 301—108)



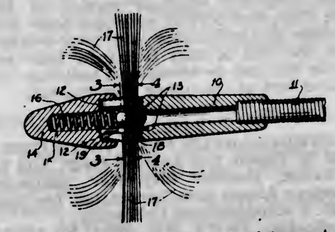
The combination with a vehicle wheel outer disc and its mounting bolts, of a substantially Y-shaped bracket bowed lengthwise, with the ends of the arms of said bracket mounted on the ends of said disc mounting bolts, there being a non-circular aperture formed in the center of said bracket and there being apertures formed in the arms of said bracket adjacent the central aperture therein, a dished hub cap adapted to be positioned over said bracket with its edge bearing on said outer disc and its central inner face bearing directly against the central outer face of said bracket, a lock secured to and projecting inwardly from the center of said hub cap and having a non-circular locking bolt adapted to pass through the non-circular aperture in said bracket, and studs seated in and projecting inwardly from said hub cap for engagement in the apertures in the arms of said bracket.

2,493,367

TUBE CLEANOUT BRUSH WITH YIELDABLY MOUNTED REMOVABLE WIRE BRISTLES

Matt Simcich, Los Angeles, Calif.

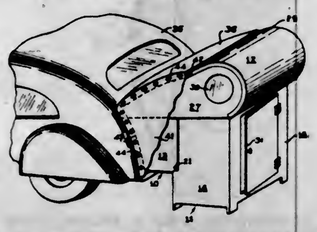
Application May 25, 1948, Serial No. 29,041
3 Claims. (Cl. 15—104.2)



3. A pipe cleanout brush comprising a tubular body provided in its forward end with short lon-

gitudinally disposed slots, a ring within the slotted portion of said tubular body, tufts of wire bristles looped about said ring and projecting outwardly through said slots, rounded shoulders at the inner ends of said slots for the inner ends of said tufts of bristles and a spring pressed ball bearing on the inner ends of said tufts of bristles on the opposite sides thereof from said shoulders.

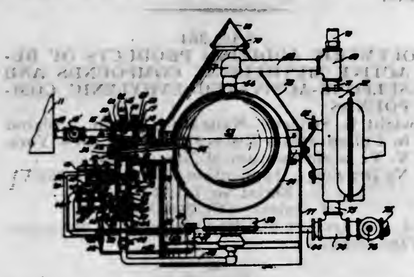
2,493,368
CAR CABIN
Le Roy Smelker, Dayton, Ohio, assignor of one-eleventh to Helen May Smelker, one-eleventh to Roy David Smelker, one-eleventh to Dorothy Smelker, one-eleventh to James David Smelker, one eleventh to Linda Kay Smelker, one-eleventh to David Bench, one-eleventh to Helen Virginia Bench, one-eleventh to Thomas Edward Bench, one-eleventh to Paul Frederick Bench, and one-eleventh to Martha Jeane Bench
Application June 22, 1945, Serial No. 601,018
7 Claims. (Cl. 296—26)



1. A collapsible detachable car cabin for attachment on the rear of a passenger car body in cooperating alignment with the usual baggage compartment and forming therewith sleeping quarters comprising; a body section consisting of a bottom wall and spaced side walls forming a U-shaped section open at both ends and the top thereof; a movable vertically positionable vestibule section consisting of a bottom wall, side walls and a front wall extending upwardly from the bottom wall and terminating at the level of the upper edges of said side walls of the body section, a rear wall extending upwardly from said vestibule bottom wall only a part of the distance of the vestibule side walls; means hinging said vestibule section to said body section adjacent the upper edge of said vestibule rear wall at the end of the body section bottom wall; said vestibule section being at least partially telescopically received within said body section when hinged thereon; a rigid cover section consisting of side walls and a top wall and having an open bottom; said cover section extending over said body section and said vestibule section when said vestibule is in open position relative to said body section and having the portion thereof over the vestibule section of greater height than the portion over the body section; and hinge means hinging said cover section adjacent the end of said U-shaped body section opposite the end to which said vestibule section is hinged and at the upper edge thereof.

2,493,369
HYDROCARBON FUEL VAPORIZER
Harold W. Smith, Los Angeles, Calif., and Lester L. Luxon, Boulder City, Nev., assignors to American Liquid Gas Corporation, Los Angeles, Calif., a corporation of California
Application April 3, 1945, Serial No. 586,366
10 Claims. (Cl. 62—1)

6. In a device of the character described, a retort, a valve through which fuel in liquid phase passes to the retort, a float structure actuated by the level of liquid fuel within the retort to open and close said valve, a burner associated with the retort for heating the fuel in liquid phase and vaporizing it, a draw-off pipe from the retort for fuel in vapor phase, a pressure regulator through which said fuel in vapor phase passes and by



which the outlet fuel is maintained at a constant pressure, a conduit leading from said pressure regulator to the burner, a cut-off valve in said conduit, and an operative connection between said cut-off valve and said liquid fuel control valve whereby when the level of liquid fuel within the retort is lowered the burner valve will close as the liquid fuel valve opens.

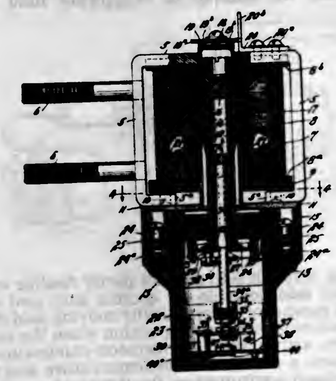
2,493,370
SHOOTING GARMENT
Howard O. Smith, Des Moines, Iowa
Application May 24, 1947, Serial No. 750,293
6 Claims. (Cl. 2—94)



5. In a shooting garment, a body portion, two sleeve portions; at least one of said sleeves comprising an upper substantially cylindrical portion, a middle substantially cylindrical portion, and a lower substantially cylindrical portion sewed together and having their back portions of a length greater than their front portions for providing a sleeve curving downwardly and forwardly, an elbow pad secured to the middle portion of said last-mentioned sleeve, a gun sling strap pad secured to the upper portion of said last-mentioned sleeve and having two spaced apart ends, and a longitudinal seam on said last-mentioned sleeve extending the length of said sleeve and passing between the two ends of said gun sling strap pad.

6. The method of making and forming the sleeve of a shooting garment, comprising; the forming of a substantially cylindrical portion by seaming the two ends of a strip of cloth together; the securing of a pad element on said strip of cloth before it is seamed, the forming of a second substantially cylindrical portion by seaming the two ends of a strip of cloth together, the securing of a pad element to said second portion before it is seamed; said two cylindrical portions having their seams to the front and with their back portions of a length greater than their front portions, and lastly the sewing of the two sections together.

2,493,371
RELAY
Robert Vradenburgh, Yonkers, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application May 15, 1945, Serial No. 593,821
9 Claims. (Cl. 200—97)



1. A relay comprising a magnet frame, a controlling coil within the frame, a plunger within the coil, and a rating adjuster having a magnetic portion located between the coil and the plunger, said adjuster having means extending outside the magnet frame for adjusting the position of said magnetic portion, and a scale post mounted on the magnet frame opposite said means for indicating the position of said magnetic portion, said scale post being movable toward and from said means for locking said means in any adjusted position and for releasing said means for permitting adjustment of said means.

2,493,372
BRAZING FLUX COMPOSITION
Harold R. Williams, Cleveland, Ohio
No Drawing. Application November 8, 1946, Serial No. 708,805
2 Claims. (Cl. 148—24)

2. A brazing flux composition comprising substantially 7% zinc chloride, 2% ammonium chloride, 1% cryolithionite and 40% diethylene glycol monoethyl ether, braze alloy particles being combined with said compound flux, in an amount substantially equal to 50% of the entire weight of the composition.

2,493,373
DIMERS OF ANGELICA LACTONE
Hans Wolff and Wendell W. Moyer, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application July 31, 1946, Serial No. 687,527
5 Claims. (Cl. 260—344)

3. Angelica lactone dimer.

2,493,374
HYDROGENATED DIMERS OF ANGELICA LACTONE
Hans Wolff and Wendell W. Moyer, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application July 31, 1946, Serial No. 687,528
3 Claims. (Cl. 260—344)

1. Hydrogenated angelica lactone dimer.

2,493,375
LACTONE ACIDS AND DERIVATIVES THEREOF
Hans Wolff and Wendell W. Moyer, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application July 31, 1946, Serial No. 687,529
3 Claims. (Cl. 260—344)

1. Lactone acid of angelica lactone dimer.

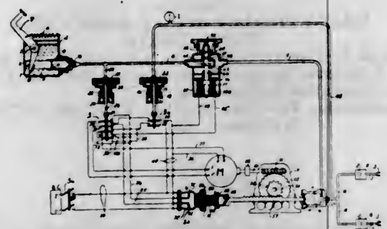
2,493,376
MAGNETICALLY BIASED INDICATING INSTRUMENT
Jacob L. Zar, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application February 10, 1945, Serial No. 577,285
2 Claims. (Cl. 171—95)

1. In an electrical measuring instrument of the type having a pivoted rotor free to drift when the instrument is not energized, said rotor including a pointer and a permanent magnet magnetized transversely to the pivot axis of the rotor, a scale associated with said pointer, and electromagnetic means differently energizable for actuating said rotor to move said pointer to different positions in relation to said scale: the combination of a stationary permanent magnet having a magnetic field transverse to said pivot axis and superimposed on the field of said rotor magnet to bias said pointer to an off-scale position, said biasing magnet being positioned in relation to said rotor magnet when said pointer is at an intermediate point of said scale to cause over-center biasing of said pointer at said intermediate point whereby the pointer is urged towards one scale extremity when the pointer is within an adjacent portion of the scale and is urged in a reverse direction towards the other scale extremity when the pointer is in the remaining scale portion; and a mask covering portions beyond both extremities of said scale for concealing said pointer from view when the pointer is beyond either scale extremity.

2,493,377
AUTOMOTIVE HYDRAULIC BRAKING SYSTEM
Roy H. Zellman, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application July 24, 1945, Serial No. 606,793
8 Claims. (Cl. 60—54.5)

5. The combination with an automotive hydraulic braking system comprising a controlling

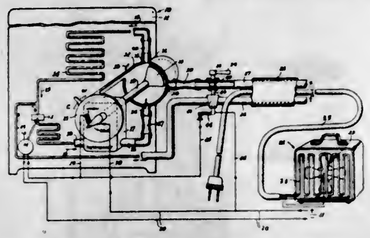
piston operated liquid compressor, a pedal for operating said compressor, a plurality of hydraulic pressure responsive expansible hydraulic braking motors, intercommunicating conduit means comprising conduits interconnecting said compressor and said motors, pressure transmission liquid filling the space within said compressors, said conduits, and the expansible elements of said motors, of a power compressor having a hydraulic liquid filled compressor chamber in communication with said conduit means and said motors and a reciprocable compressing element affording one movable wall of said chamber, a valve interposed in said conduit means between said control compressor and the said motors and power compressor, a storage battery, an electric motor and transmission means adapted to communicate power from said motor to reciprocate said element, said motor having a pair of energizing windings, electrical current conducting means interposed between said battery and said electric motor windings comprising electrical circuit conductors and a plurality of electric switches, one of



said switches adapted for actuation and retraction responsive to actuating and retracting movements of said pedal, a hydraulic liquid pressure responsive device and a second of said switches adapted for operation by said device upon communication of liquid at a predetermined high pressure to said device, said device having an actuating liquid containing chamber in communication with the body of liquid communicated to said motors, means operable responsive to off normal and restoring movements of said element adapted to respectively operate and restore a third said switch, said first switch when actuated adapted to communicate battery current to said motor windings to cause said motor to be operated to communicate compressing movement to said element, said first switch when restored and said third switch while actuated cooperatively adapted to communicate battery current to said windings with the direction of current reversed through one of said windings and said third switch adapted when restored to normal position to interrupt the flow of current to said motor windings.

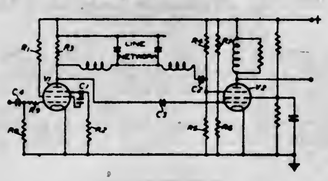
2,493,378
COMBINED ELECTRICAL REFRIGERATOR AND AIR-COOLING UNIT
Octavio Jose Alvarez, New York, N. Y., assignor to Alvarez Patent Corporation, New York, N. Y.
Application June 9, 1947, Serial No. 753,420
13 Claims. (Cl. 62—4)

1. Combined electrical refrigerator and air cooling unit comprising in combination a refrigerator housing; a refrigerator compartment within said refrigerator housing; a stationary refrigerator cooling coil within said refrigerator compartment; a portable air cooling coil; an at least partly flexible conduit connecting said portable air cooling coil with said stationary refrigerator cooling coil; a refrigerant fluid filling said stationary refrigerator cooling coil, said at least partly flexible conduit and said portable air cooling coil; pumping means adapted to circulate said refrigerant fluid through said stationary refrigerator cooling coil and also by means of said at least partly flexible conduit through said portable air cooling coil; motor means for operating said pumping means, whenever desired; first valve means included in said stationary refrigerator cooling coil for adjusting the amount of refrigerant fluid circulating through said stationary refrigerator cooling coil; second valve means included in said at least partly flexible conduit for adjusting the amount of refrigerant fluid cir-



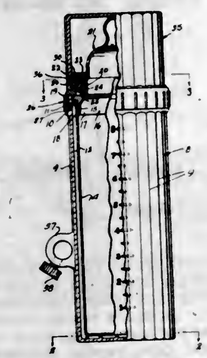
culating through said at least partly flexible conduit and said portable air cooling coil; and operating means for automatically moving said first valve means towards open position when the temperature within said refrigerator compartment rises above a predetermined temperature and towards closed position when the temperature within said refrigerator compartment drops below said predetermined temperature and for automatically moving said second valve means towards open position when the temperature within said refrigerator compartment drops below said predetermined temperature and towards closed position when the temperature within said refrigerator compartment rises above said predetermined temperature.

2,493,379
PULSE GENERATING CIRCUIT
Eric W. Anderson, London, and Terence John McDermott, Romford, England
Application July 25, 1947, Serial No. 763,624
In Great Britain February 16, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 16, 1965
8 Claims. (Cl. 177—380)



1. An electronic apparatus for generating signals each consisting of three evenly spaced discrete pulses comprising a triggering circuit for deriving a rapid voltage change from a controlling voltage, a delay circuit adapted to convey said rapid voltage change to a utilisation point and back with exactly the same finite delay in each direction, and means for deriving a first pulse from said triggering circuit, a second pulse, delayed from exactly the same first pulse by said finite delay, from said utilisation point and a third pulse from said triggering circuit, said third pulse being delayed from the second pulse by exactly the same finite delay, being generated by the arrival back of said rapid voltage change from said utilisation point, through said delay circuit whereby the said pulses are automatically spaced equally apart with great accuracy.

2,493,380
NURSING BOTTLE
Theodore Bailey, Habana, Cuba
Application February 27, 1948, Serial No. 11,670
2 Claims. (Cl. 215—11)

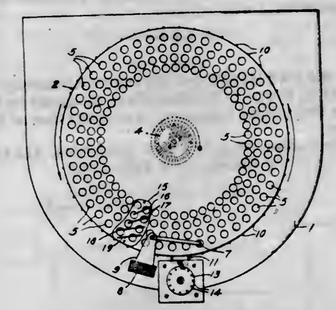


1. A nursing bottle, comprising an outer container having one end closed and its opposite end open, the open end being externally screw threaded, said container being provided upon its closed end with internal ribs and upon its side with longitudinal internal ribs which terminate near and short of the open end of the container, an inner flexible container mounted within the outer container and having one end closed and its opposite end open, the closed end of the flexible container contacting the ribs of the closed end of the outer container and the side of the inner container contacting the longitudinal ribs, the flexibility of the inner container permitting of complete contact between the inner container and said ribs, an inner ring member including a first annular portion and a second annular portion and a radial shoulder near their meeting ends, the second annular portion being inserted into the open end of the flexible container and the shoulder inserted within the open end of the outer container to contact with the longitudinal ribs, said first annular portion being provided with a vent groove extending over its outer face and end and leading into the inner container, a nipple having a radial shoulder to engage over the end of the first annular portion and an annular skirt to receive the first annular portion, and an outer ring member including a first annular portion having a shoulder to engage over the shoulder of the nipple and a second annular portion having internal screw threads to engage with the external screw threads of the outer container and a shoulder to engage over the open end of the outer container and the shoulder of the inner ring member, the first annular portion of the outer ring member having a vent groove formed in its inner face and extending about the shoulder of the first annular portion of the outer ring member and communicating with the groove of the inner ring member.

2,493,381
PROCESS FOR CREASE-PROOFING TEXTILES
Ladislaus Balassa, Riverside, R. I., assignor to The United States Finishing Company, Norwich, Conn., a corporation of Connecticut
No Drawing. Application July 1, 1947, Serial No. 759,462
6 Claims. (Cl. 117—139.4)

1. The process of crease-proofing textile fabrics which comprises applying to a fabric an aqueous solution of a thermosetting polymerizable resin, applying to the said fabric containing the resin solution a discontinuous layer of solid water-insoluble finely divided hydrophilic material, intimately mixing the finely divided material with the excess solution on the surface of the fabric, thereafter removing said mixture whereby the fabric is cleared of any free excess resin solution, and insolubilizing the resin in the presence of an acid catalyst.

2,493,382
AUTOMATIC SAMPLE COLLECTOR
Paul Hadley Bell, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 29, 1948, Serial No. 57,379
5 Claims. (Cl. 73—421)

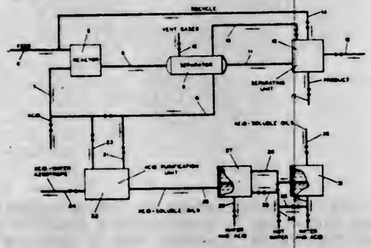


1. An automatic sampler for taking samples of liquid comprising in combination a rotatable circular framework provided with a plurality of concentric circles of openings adapted to receive sample containers, the openings being uniformly angularly spaced about the periphery of each circle, the openings in the different circles being so spaced that the corresponding openings in the various circles are arranged about an arc of a circle convex in the direction of movement of the framework, means for rotating the framework intermittently at predetermined intervals the angular movement being equal to the spacing of the openings in each circle, a pivoted filler tube adapted to register with successive openings and pivoted about the center of the circle on which the corresponding openings in the different circles are arranged, means carried by the framework adapted to engage the filler tube after filling of the last hole of any circle and on the next intermittent rotation of the framework to deflect the filler tube to the next hole of the adjacent circle.

2,493,383
PRODUCTION OF USEFUL ARTICLES FROM COAL
John Gedolphin Bennett, Charles Desmond Greaves, and George Cordery Philpotts, London, and Marcello Pirani, William Julianus Kramers, and David Blythe Foster, Kingston-on-Thames, England, assignors to C. D. Patents Limited, London, England, a British company
No Drawing. Application December 17, 1945, Serial No. 635,610. In Great Britain December 22, 1944
3 Claims. (Cl. 18—55)

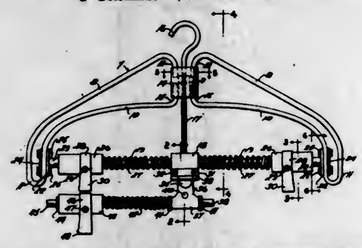
1. The process of producing useful shaped articles which comprises preparing an intimate mixture of finely-comminuted coal which contains volatiles in the proportion of about 13 to 30 per cent on a dry ash-free basis with sulphur, moulding from the resultant mixture an article of the desired shape under a pressure of the order of at least two tons per square inch, at least sufficient to enable the shaped article to be transferred undamaged from the moulding machine to a furnace, releasing the pressure, producing test pieces from said mixture, firing the test pieces in a non-oxidizing atmosphere to a temperature of at least 550° C. and controlling the rate of firing in such manner as to produce a fired test piece free from cracks and free from a cellular structure visible to the naked eye, thereafter firing the moulded article under the conditions and at the rate at which the last named test piece was fired to produce an article having the properties of the fired test piece and cooling the article in a non-oxidizing atmosphere.

2,493,384
TREATMENT OF HYDROCARBONS
Daniel E. Bergen, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 27, 1946, Serial No. 672,475
1 Claim. (Cl. 196—148)



In a process for the alkylation of hydrocarbons in the presence of a hydrofluoric acid catalyst in which an effluent from said alkylation is separated into a hydrocarbon-rich phase and a liquid hydrofluoric acid-rich phase and the acid-rich phase is treated to separately recover therefrom said acid catalyst and an acid-soluble oil fraction containing residual acid, the method for treating said acid-soluble oil fraction to prepare an acid-soluble oil product and an innocuous aqueous suspension by-product, which comprises admixing therewith at least an equal volume of hot liquid water at a temperature of about 200° F. to 210° F., allowing the resulting liquid mixture of water and acid-soluble oil to settle for a period of at least one hour at a temperature between about 175° and about 210° F. under conditions such that a liquid hydrocarbon phase and a liquid water phase separate, thereby extracting said residual acid from the acid-soluble oil fraction, recovering said hydrocarbon phase substantially free from acid as a purified acid-soluble oil product of said extraction, separately recovering said liquid water phase substantially free of oil and containing said residual acid and neutralizing said liquid water phase with an alkali to form an innocuous suspension of a fluoride salt before disposal thereof as said by-product of the process.

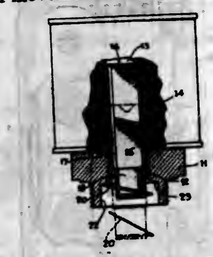
2,493,385
METAL SUIT AND TROUSER HANGER
Mathias W. Boyd, Oakland, Calif.
Application August 6, 1948, Serial No. 42,894
3 Claims. (Cl. 223—89)



1. A combined metal suit and trouser hanger including a central space bar having a suspension hook extending upwardly therefrom, a pair of front and rear clamping plates secured upon the front and rear portions of the space bar, a pair of outwardly and downwardly directed wire arm members arranged on each side of said clamping plates and having their upper inner ends bent to form downwardly projecting hooks extending detachably into engagement between the adjacent portions of the clamping plates, upwardly and inwardly directed further wire arms connecting integrally with the lower outer ends of the first-mentioned wire arms and forming downwardly directed loops therewith at their mutual junctions, the upper inner ends of the further wire arms being bent upwardly and extending detachably into engagement between the adjacent portions of said clamping plates, a pair of socket plates secured to the inner lower ends of the further wire arms and carrying two individual oppositely disposed and aligned sockets, a substantially horizontal rod having the ends thereof removably extending into the two sockets, a center block mounted on the rod, a pair of elongated trigger blocks slidably mounted on said rod within the ends thereof, a yoke member straddling each trigger block and having the intermediate portion thereof secured to the block with the limbs thereof extending pendantly down to form trouser engaging members, a pair of compression springs mounted on said rod between the center block and the two trigger blocks to bias the latter apart, a vertical rod interconnecting the space bar with said center block, and means for securing the latter in place on said horizontal rod.

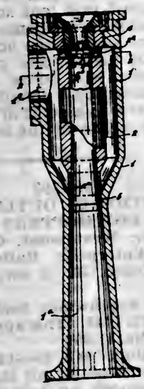
2,493,386
ANTIVIBRATION PLUNGER TYPE ELECTROMAGNET
Frederick E. Cairns, Jr., Glendale, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application November 21, 1945, Serial No. 630,061
4 Claims. (Cl. 175—338)

1. In an A. C. solenoid: a base member; a sleeve mounted at one of its ends in an opening through said base member; an elongated plunger member freely reciprocable in said sleeve; an energizing coil around the sleeve for attracting the plunger member thereinto; stop means at the other end of the sleeve and engageable by the inner end of the plunger member when the same is attracted; means on one of said members forming, at the side of the base member away from the sleeve, a first surface in a plane transverse to the axis of movement of the plunger member, and



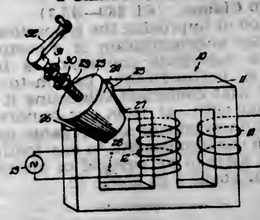
a second surface adjacent said first surface and generally parallel to said axis; and a spring arm mounted on the other of said members and so arranged that when the plunger member is attracted the free end of the spring arm engages said first surface and slides thereon into engagement with said second surface to produce then a unidirectional force on the outer portion of the plunger member substantially perpendicular to said axis.

2,493,387
FLOW MIXER
Donald A. Campbell, Cleveland, Ohio, assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio, a corporation of Delaware
Application October 8, 1945, Serial No. 620,963
4 Claims. (Cl. 230—95)



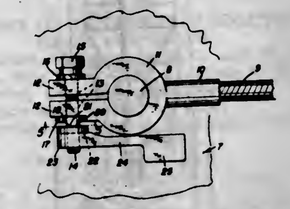
1. In an entrainment device of the class described, body means having a straight through passageway, said passageway having a nozzle portion for entraining gas, with a convergent approach thereto, a cylindrical portion of twice the sectional area of the mouth of said nozzle portion, into one end of which said nozzle discharges and terminating at its downstream end at the location where it is engaged by the jet from said nozzle, and a portion extending therefrom downstream with the same divergence as that of said jet within said cylindrical portion, and said body means having openings for a gas to be entrained leading into said cylindrical portion adjacent said nozzle portion.

2,493,388
MAGNETIC CONTROL SYSTEM
Albert M. Candy, La Grange, Ill., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application August 17, 1946, Serial No. 691,358
1 Claim. (Cl. 171—119)



A variable impedance device comprising, in combination, a generally rectangular magnetic core structure having an air gap in one corner provided with concave conical opposing faces, a winding on said core structure the impedance of which is to be varied, a conical magnetic shunt for bridging said air gap, and means mounting said magnetic shunt for both rotary and translatory movement toward and away from said core structure for variably bridging said air gap to effect corresponding change in the impedance of said winding.

2,493,389
BATTERY CABLE TERMINAL
John B. Casey, Milwaukee, Wis.
Application October 21, 1947, Serial No. 781,083
1 Claim. (Cl. 173—259)



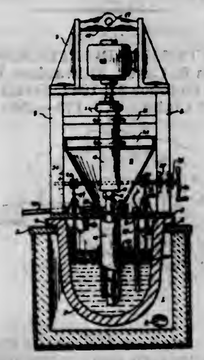
A battery cable terminal of the class described comprising a battery post embracing collar, said collar being split and the end portions of the collar being provided with outstanding expandable and contractable jaws, said jaws being disposed in opposed approximate parallelism and having aligned bolt holes, a bolt having a shank passing through said bolt holes, one of said jaws being provided, inwardly of the tip portion of the jaw and immediately adjacent said collar, with a flat surfaced stop shoulder, the latter being at right angles to the longitudinal reach of said one jaw, an independent washer surrounding one end portion of the shank of the bolt, said washer having a flattened peripheral edge portion in firm engaging contact with said shoulder, said washer also being provided on an outwardly facing surface with cam means, and

a nut threaded on the shank of the bolt and having a cam accommodating and reception groove, said nut also having an integral lever and said lever being provided with a handle.

2,493,390
STABILIZATION OF POLYMERS WITH AN INORGANIC PEROXIDE AND AN ESTER OF AN OXYACID OF PHOSPHORUS
Charles J. Chaban, Toledo, Ohio, assignor, by mesne assignments, to Stabelan Chemical Company, Toledo, Ohio, a partnership
No Drawing. Application May 29, 1947, Serial No. 751,467
20 Claims. (Cl. 260—45.7)

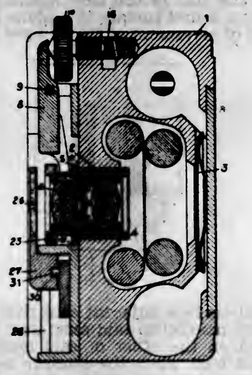
1. A method of improving the properties of the product of the polymerization of a composition comprising a substance containing a halogen atom and a polymerizable carbon-to-carbon double bond that comprises subjecting it to intimate contact with (*a*) from one-hundredth to one-tenth of its weight of an inorganic peroxide and (*b*) from one-thousandth to one-tenth of its weight of an ester of an oxyacid of phosphorus, at a pH from about 8 to about 12.

2,493,391
PROCESS OF RECOVERING SCRAP METAL
Frank D. Chew, Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 30, 1943, Serial No. 496,771. Divided and this application January 25, 1947, Serial No. 724,310
5 Claims. (Cl. 75—67)



1. A process for reclaiming metal values from finely divided oxidizable metal scrap contaminated with oil consisting in forming a melt of metal in a furnace, positively and progressively bringing the said scrap into and through a zone above said melt out of contact with the furnace atmosphere heated to a sufficiently high temperature to vaporize the oil, withdrawing at least a portion of said oil vapor and liquid condensed therefrom adjacent the upper end of said heated zone but below the top of the scrap charge and passing said scrap from said zone into and below the surface of the molten metal without contact with the furnace atmosphere.

2,493,392
PHOTOGRAPHIC CAMERA PROVIDED WITH RANGE FINDER
Jean de Montrémy, Pau, France
Application July 25, 1945, Serial No. 606,959
In France January 29, 1945
2 Claims. (Cl. 95—44)

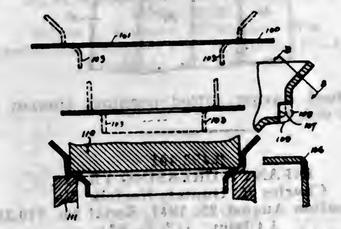


1. In a photographic camera, the combination of a frame, a photographic lens support freely slidable axially with a translatory motion in said frame for focussing, elastic means for urging said lens to slide in one direction axially with respect to said frame, a range finder including an eye-piece and an objective fixed to said frame, a mirror and a support for said mirror pivoted to said frame at a point thereof distant from said objective, elastic means for urging said support to pivot in one direction, said frame being provided with a screw-threaded portion, a screw in mesh with said screw-threaded portion, means for directly rotating said screw operable from the outside of the camera, lever means bearing on the one hand against said screw and on the other hand against said lens support for transmitting longitudinal movements of said screw to said lens support against the action of said first mentioned spring means, and push-piece means interposed between said screw and said mirror support for transmitting longitudinal displacements of said screw to a point of said mirror support against the action of the second mentioned spring means.

2,493,393
CONSTRUCTION OF OUTLET FRAMES FOR HOPPERS
George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Substituted for application Serial No. 519,672, filed January 25, 1944. This application August 2, 1948, Serial No. 41,991
2 Claims. (Cl. 29—148.2)

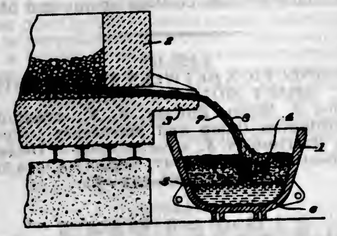
1. In a discharge outlet for the lower portion of a discharge hopper, an assembly including a frame and a sliding gate carried by the frame for controlling the discharge of the lading, said frame being of generally pan-like formation with flanges extending upwardly for attachment to the hopper proper; one of the flanges being slotted to accommodate the gate, said frame having a central opening with marginal depending flanges spaced from the upwardly extending flanges an appreciable distance to present a flat ledge section on which the gate rests, said marginal flanges of the

opening extending downwardly an appreciable distance to present a chute-like structure; the herein method of forming said frame from a flat plate, which consists of the following operations, namely; cutting out an opening from the central portion of the plate and coping out angularly shaped portions from the four corners of the plate to form a cross shaped blank, depressing the marginal portions of the opening to form the



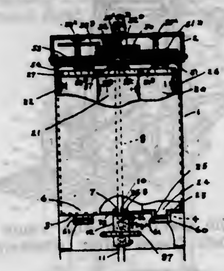
downwardly extending chute, bending the arms defined by the cross shaped portion of the cross upwardly to bring the two edges of the coped out corner sections in meeting relation to complete the pan shaped structure, welding the meeting edges of the upwardly extending flanges and cutting out a portion of one of the walls of the pan shaped portion to form the slot for the gate, and thereafter levelling the frame by squeezing the ledge portion between die sections.

2,493,394
PROCESS OF POURING METALS AND PRODUCTS PRODUCED THEREBY
Holbert Earl Dunn, Crafton, and Heinrich Wilhelm Rathmann, Pittsburgh, Pa., and Howard Calvin Parkman, Niagara Falls, N. Y., assignors to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware
Application August 27, 1946, Serial No. 693,198
14 Claims. (Cl. 75—134)



1. The process of casting high carbon ferro-chromium which comprises forming in a furnace a charge of molten ferro-chromium having the usual supernatant viscous smelting slag, forming in a casting mold a body of molten casting slag at a temperature approximating that of the pouring temperature of the ferro-chromium and considerably more fluid than the smelting slag, allowing the casting slag to stand in the mold until a thin skull of chilled slag forms against the bottom and sides of the mold, pouring the molten ferro-chromium together with at least a part of its smelting slag into the mold whereby the ferro-chromium passes through the casting slag to form a regulus in the bottom of the mold and the smelting slag is entrapped by and dissolved in the casting slag, and allowing the ferro-chromium to solidify as a regulus in the bottom of the mold.

2,493,395
ICE-CREAM MAKER AND DISPENSER
Dorothy Alice Elwell, Boston, Mass.
Application November 28, 1945, Serial No. 631,856
3 Claims. (Cl. 259—43)



1. A maker and dispenser of ice-cream including a container having a cylindrical wall; a groove provided by, and extending axially within, said wall; an agitator within said container and relatively rotatable therewith upon a common axis, said agitator comprising an axially extending shaft having an end seated upon the bottom of said container, the said shaft supporting throughout its length convolutions of a spiral platform blade substantially reaching across the inside diameter of said container; an upright pusher blade positioned within said container upon one side of said shaft between any two of said convolutions, the pusher blade having a base portion supported by, and slidable within said groove; an outlet having a removable closure provided by said container bottom for dispensing therethrough of a content of ice-cream conveyed to said outlet down the spiral platform by the downwardly sliding pusher blade carried axially between convolutions on said rotatable movement; and means adapted to provide said rotatable movement.

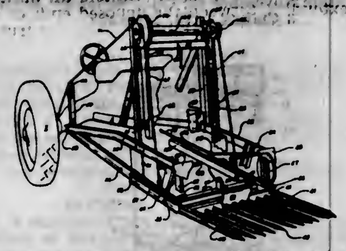
2,493,396
RECOVERY OF SILVER FROM SOLUTIONS OF SILVER SALTS
Eduard Farber, Washington, D. C., and Matthew Sciascia, New York, N. Y., assignors to Timber Engineering Company, Washington, D. C., a corporation of Delaware
No Drawing. Application September 1, 1945, Serial No. 614,692
5 Claims. (Cl. 75—108)

2. A process for recovering silver from a dilute solution of a silver compound, which comprises contacting said solution with a solid insoluble lignin, separating the solution therefrom and recovering the silver from the lignin, said lignin having been activated by the removal of minerals therefrom by washing with a dilute mineral acid and the removal of organic non-ligneous materials therefrom, by washing with an alkali, said acid and said alkali being non-reactive with said lignin.

2,493,397
MANURE LOADER
Lester M. Fourman, Arcanum, Ohio
Application July 20, 1945, Serial No. 607,831
14 Claims. (Cl. 214—82)

1. In a manure loader in combination with a tractor, a frame attached to the tractor, said frame having thereon manure receiving tines,

means to raise and lower the frame and the tines a push board moveable longitudinally of the tines for discharging manure therefrom and means



operated by the lowering of the frame to withdraw said push board after discharging the manure.

2,493,398
MAGAZINE SOCKET WRENCH WITH NUT EJECTOR
Edwin R. Fricke, Brookings, S. Dak.
Application February 2, 1948, Serial No. 5,769
1 Claim. (Cl. 81—124.1)



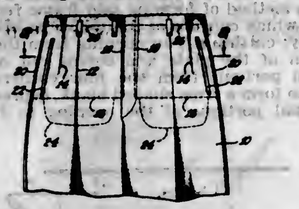
In a wrench of the class described, an elongated socket containing a coil spring and designed to receive a plurality of nuts or the like to place said spring under compression, a spring device mounted exteriorly and laterally of said socket and embodying means normally interposed in front of the nuts to prevent their ejection by said coil spring, and protecting means on said socket adjacent said spring device to prevent damage to the latter, said spring device comprising a leaf having a flat portion anchored to said socket and a bent flexible portion movable laterally away from said socket, and said protecting means comprising a laterally protruding rib on said socket arranged alongside said flexible portion of said leaf.

2,493,399
PROCESS FOR PREPARING IODINATED 2-AMINO-THIAZOLE
Yvonne Garreau, Paris, France, assignor to Societe Generale d'Applications Therapeutiques "Theraplix," Paris, France
No Drawing. Application May 8, 1947, Serial No. 746,326. In France March 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 25, 1964
2 Claims. (Cl. 260—302)

1. A process for preparing new iodine derivatives of 2-amino-thiazole which comprises reacting iodine chloride with a 2-amino-thiazole in the presence of an acid wherein the 2-amino-thiazole is readily soluble.

2,493,400
PLEAT RETAINER FOR GARMENTS
Charles D. Gilbert, Los Angeles, Calif.
Application December 29, 1948, Serial No. 67,878
6 Claims. (Cl. 2—227)

1. Means for retaining pleats in trousers and slacks comprising a reinforcing sheet applied to the garment behind the pleated structure, the ends of said sheet being fastened to the garment by stitches along the side seams of the garment,



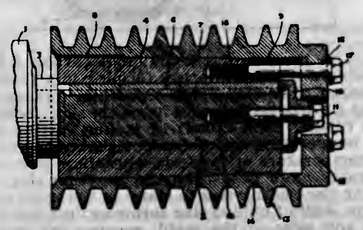
said sheet having slitted openings therein for pocket entry.

2,493,401
INFANT'S DRESSING TRAY
Charles R. Gunter, Norfolk, Va.
Application August 25, 1947, Serial No. 770,386
1 Claim. (Cl. 5—93)



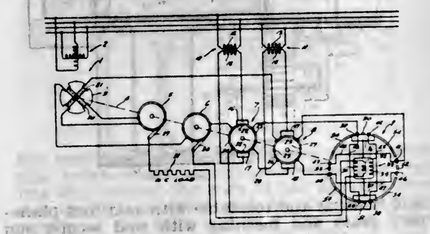
In an infant's crib having a pair of side walls and a pair of end walls; a dressing tray comprising an open substantially rectangular frame having a covering, a plurality of channel members fixed to said frame adjacent one end thereof, said channel members having inner leg portions and extensions extending angularly from said inner leg portions and forming hooks, said channel members adapted to yieldingly grip the side walls to support the tray in a substantially horizontal position, and U-shaped retaining brackets fixed to one of said end walls for receiving said hook forming extensions to support the tray in a substantially vertical position at one end of the crib.

2,493,402
CONNECTION BETWEEN SHAFTS AND SHAFT MOUNTED MEMBERS
Clarence J. Hahn, Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 9, 1947, Serial No. 740,284
8 Claims. (Cl. 287—53)



4. In a connection between a shaft and a shaft mounted member, the combination of, a tapered hub on said shaft, a shaft mounted member seated on said hub and having a tapered bore for fitting said tapered hub, a flange carried by said shaft mounted member at its end having the smaller diameter bore, means connecting said flange to said tapered hub for forcing said shaft mounted member tightly upon said hub, said flange provided with means to receive a back-off member for positively forcing said shaft mounted member off said hub.

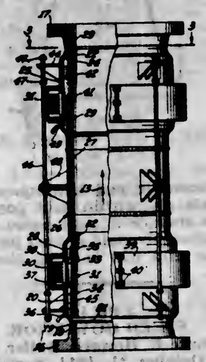
2,493,403
SYNCHRONOUS RECTIFIER AND INVERTER
Klaus L. Hansen, Milwaukee, Wis.
Application January 27, 1948, Serial No. 4,638
11 Claims. (Cl. 321—50)



1. In a synchronous rectifier, a source of polyphase current, a synchronous motor driven from said source, a plurality of main rectifying commutators and an auxiliary commutator driven from said motor, said main rectifying commutators each having a pair of main segments, pairs of main brushes for each of said main rectifying commutators connected, respectively, in the several phases of said source of polyphase current, an impedance, said auxiliary commutator having pairs of auxiliary segments connected, respectively to the main segments of said main rectifying commutators, auxiliary brushes connected to said impedance and bearing on said auxiliary commutator, said auxiliary commutator and said auxiliary brushes being arranged to successively bridge said impedance across the main segments of said main commutators while commutation is taking place at the respective main commutators and to reverse said impedance while commutation is taking place at said auxiliary segments, means connecting a segment of one main commutator to a segment of another main commutator, a direct current load circuit, and means for leading the rectified current secured from all of the main rectifying commutators to said load circuit.

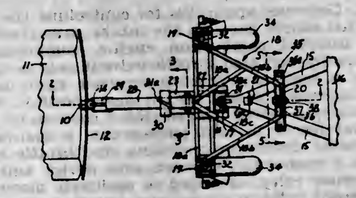
2,493,404
EXPANSION JOINT
Charles L. Haynes, Flintridge, Calif., assignor to C. F. Braun & Co., Alhambra, Calif., a corporation of California
Application November 15, 1946, Serial No. 710,022
11 Claims. (Cl. 285—90)

1. A fluid conducting expansion joint adapted to accommodate limited axial, angular or lateral movement between ends of substantially aligned inlet and outlet conduits, having in combination end members adapted to be secured to the inlet conduit and the outlet conduit respectively, an intermediate conduit operatively positioned between said end members, the passage through the intermediate conduit being substantially equal to the full opening of the inlet and outlet conduits, separate means connecting each end member to one end of said intermediate member respectively, each of said means including cylindrical housings at the opposed ends of said members of substantially larger diameter than said openings, annular flexible bellows joining the opposed ends of said housings in fluid tight relation, an annular baffle extending between the opposed ends of the housings radially inwardly of the bellows, a frusto-conical shield fixed at its upstream end relative



to one of the members within the cylindrical housing and converging downstream in telescopic relation into the other of said members, the shield cooperating with said housings and baffle to define a substantially annular chamber encircling the shield, and means in said chamber adapted to exclude foreign matter therefrom.

2,493,405
DOLLY COUPLER FOR AUTOMOTIVE VEHICLES
Edward B. Hedgpeth, Salt Lake City, Utah
Application July 29, 1946, Serial No. 686,853
9 Claims. (Cl. 280—33.44)

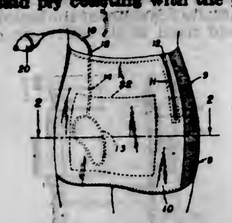


1. In a dolly coupler, a V-frame having spaced outrigger mountings and a truncated apex provided with a head plate; caster wheels operatively disposed in said mountings; an attachment bracket arranged for securement to the tongue of a trailer; mutually spaced standards extending from said bracket, said head plate being disposed between the standards; and pivot means connecting the head plate to the standards, whereby said caster wheels and mountings are free to oscillate transversely of the line of travel of said trailer.

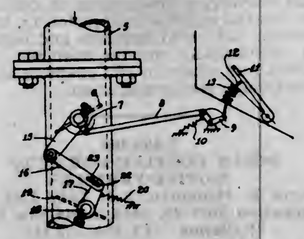
2,493,406
PNEUMATIC RUPTURE CONTROL GARMENT
George L. Hicks, III, Cambridge, Md.
Application May 21, 1947, Serial No. 749,477
2 Claims. (Cl. 128—96)

1. A rupture control appliance of the class described comprising a girdle including an elastic encircling band and a non-elastic front abdomi-

nal panel carried by said band, said panel being provided on its inner body contacting surface with a marginally attached ply of the elastic material, said ply cooperating with the panel in defining a pneumatic pad holding pocket, and a second elastic ply within said pocket attached to the inner surface of said panel outwardly of said first named ply, said second ply constituting a reinforcing and pad backing element.



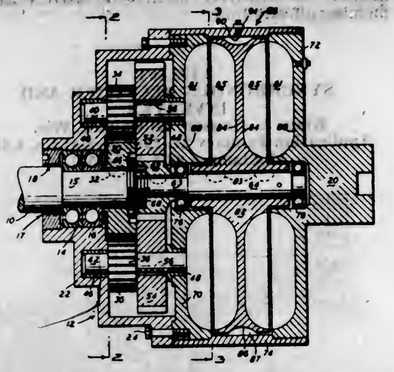
2,493,407
SPEED GOVERNOR
George E. Howard, Butler, Pa.
Application October 21, 1944, Serial No. 559,792
7 Claims. (Cl. 137—144)



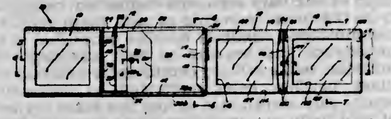
1. Governor apparatus for controlling the rate of fuel supply through the intake passageway of an internal combustion engine, comprising a manually-operated throttle valve in said passageway, a suction-responsive governor valve in the passageway, biased toward open position by a spring and moved toward closed position by suctional forces in said passageway, a manually-operated device for operating the throttle valve and a connection between said device and the governor valve, arranged to positively move the governor valve in an opening direction when the throttle valve is moved open beyond a predetermined position, the said connection being ineffective to prevent closing movement of the governor valve when the throttle is at its said predetermined position.

2,493,408
HYDRAULIC DRIVE
Wilbur S. Keyser, Hollywood, Calif.
Application July 5, 1946, Serial No. 681,507
5 Claims. (Cl. 74—688)

1. A torque transmission device including: a housing; a driveshaft rotatably mounted in an end wall of said housing and having its inner end projecting thereinto; a sun gear mounted on said inner end and revolvable therewith; planetary gears mounted in said housing and meshing with said sun gear; a second shaft mounted within said housing for rotation independently thereof and axially aligned with said driveshaft; an impeller mounted on said second shaft; a second sun gear on said second shaft; a follower affixed to said housing in hydraulic coupling relation to said impeller; second planetary gears mounted in said housing and rotatable with said first planetary gears and meshing with said second sun gear; and a driven shaft mounted on said housing and rotatable therewith.



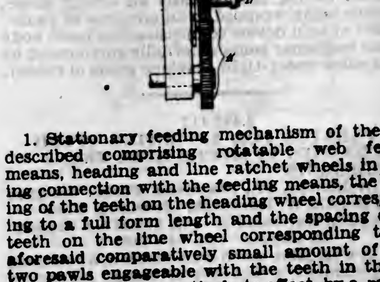
2,493,409
WALLET WITH AUXILIARY FOLDABLE POCKETS
Simon Knee, Newark, N. J.
Application October 26, 1949, Serial No. 123,725
8 Claims. (Cl. 150—38)



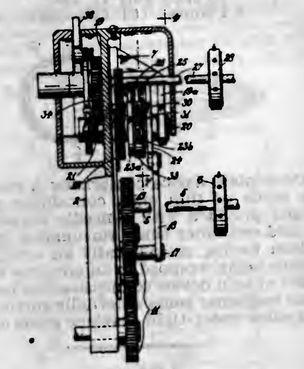
1. A wallet, comprising opposed walls defining a main pocket foldable along a transverse line intermediate the ends thereof, a series of relatively foldable auxiliary pockets disposed at one side of said transverse line, said relatively foldable pockets being disposed, when relatively folded, in superposed relation overlying said main pocket at one side of said transverse line, and a plurality of said auxiliary pockets being foldable from said superposed relation to an extended position in unfolded relation in which they lie beyond the adjacent edge of said main pocket, and companion fastening means on two of said auxiliary pockets, respectively, for releasably securing them together, in their folded relation, for concealing the presence of one of said two auxiliary pockets.

2,493,410
APPARATUS FOR FOLDING PAPER SHEETS
Edgar J. La Cour, St. Louis, Mo., assignor to Orchard Paper Company, St. Louis, Mo., a corporation of Missouri
Application September 7, 1945, Serial No. 614,857
2 Claims. (Cl. 270—68)

2. In an apparatus for folding sheets in sequence along a predetermined fold line, a platform for holding the sheets stacked, a pair of creaser rolls drivingly interconnected to rotate in unison below said platform and having their peripheral surfaces substantially flush with the supporting plane of said supporting platform to slidably engage the under side of the stacked sheets to either side of said fold line, and a longitudinally extending strip of relatively highly frictional material in and slightly below the periphery of each roll to simultaneously engage the undermost sheets in sequence along intervals substantially equidistant from said fold line and actuate the ends of the engaged sheet downwardly to draw said sheets radially inwardly of the rolls and feed the same folded into and through said creaser rolls.

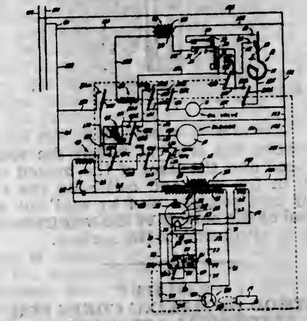


2,493,411
MECHANISM FOR FEEDING CONTINUOUS STATIONERY IN RECORDING MACHINES
Frederick Edward Lanegan and John Tibble, London, England, assignors to W. H. Smith & Son Limited, London, England, a British company
Application June 12, 1947, Serial No. 754,232
In Great Britain July 4, 1946
6 Claims. (Cl. 271—2.4)



1. Stationary feeding mechanism of the kind described comprising rotatable web feeding means, heading and line ratchet wheels in driving connection with the feeding means, the spacing of the teeth on the heading wheel corresponding to a full form length and the spacing of the teeth on the line wheel corresponding to the aforesaid comparatively small amount of feed, two pawls engageable with the teeth in the two ratchet wheels respectively to effect, by a rocking movement of the pawls, a one-way driving engagement therewith, means common to the two pawls for rocking both the pawls by an amount sufficient to feed the aforesaid increased length on each rocking movement and a stationary shield extending around part of the periphery of the line ratchet wheel and arranged to engage with the line ratchet wheel engaging pawl and to hold it out of engagement with the line ratchet wheel over part of the movement of the said pawl in the driving direction, thereby limiting the throw of the line ratchet wheel on each rocking movement of the pawl to less than the travel of the pawl while permitting the pawl engaging the heading wheel to rotate that wheel the full throw of the pawl as and when a tooth presents itself for engagement by the pawl.

2,493,412
BURNER SAFETY AND SCAVENGING CONTROL
Frederick E. Lange, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 11, 1945, Serial No. 610,264
12 Claims. (Cl. 158—28)

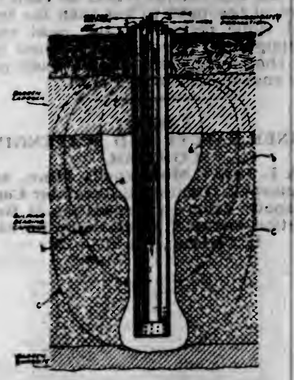


1. Burner control apparatus including a fuel control; a burner blower; a safety cut-out; means adapted to respond to the presence of combustion at the burner being controlled; means including a main control device for initiating operation of said fuel control, said burner blower, and said safety cut-out; means including said safety cut-out effective at the end of a timed period to terminate operation of said fuel control and burner blower unless the operation of said safety cut-out is previously interrupted; means including said combustion responsive means for interrupting operation of said safety cut-out upon the establishment of combustion and for again starting its operation if combustion is terminated; means effective upon the operation of said fuel control being terminated due to said main control device assuming a position in which fuel is not demanded to continue the operation of said blower until said combustion responsive means responds to the termination of combustion; and means controlled by said main control device for causing said combustion responsive means to respond more quickly when said main control device is calling for burner operation than when it is not.

2,493,413
MINING OF SULFUR
De Witt T. McIver and Clarence O. Lee, New Orleans, La., and Bernard A. Axelrad, Freeport, Tex., assignors to Freeport Sulphur Company, New York, N. Y., a corporation of Delaware
Application June 29, 1944, Serial No. 542,794
6 Claims. (Cl. 262—3)

1. In the mining of sulfur involving the use of hot water under pressure in a sulfur well, the

improvement which comprises introducing a hot aqueous solution having a specific gravity greater than that of the mine water at a superior level in the well, introducing hot water at an inferior level in the well below the midpoint of the distance between the level at which the solution is introduced and the level of the melted sulfur in a pool in the well and collecting the sulfur melted by said solution and by said hot water in said pool at the bottom of the well from which the sulfur is withdrawn to the surface.



2,493,414
METHOD OF MAKING CORES FOR ELECTRICAL APPARATUS
Montford Morrison, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application October 8, 1946, Serial No. 701,929
11 Claims. (Cl. 22—203)



1. The method of making a core for electrical apparatus having a plurality of stacked annular laminations each of which has an inner and an outer edge defining approximately a circle which includes the steps of upsetting at least some of the laminations adjacent the outer of said edges, cementing the laminations together adjacent the inner edges, applying an annular deformable cap having side flanges to the core adjacent the outer edges of the laminations in a manner such that a space exists between the cap and the outer periphery of the core and the side flanges of the cap lie against the outer laminations of the core, said steps being performed prior to a casting step, and casting a metal frame about the cap which extends along the side flanges of the cap and which upon cooling, deforms the cap and contracts to bind the cap and laminations in assembled relation.

2,493,415
METHOD FOR FORMING SHEET METAL GUTTERS
John E. Navin, Lombard, Ill.
Application July 13, 1947, Serial No. 761,876
3 Claims. (Cl. 153—54)



1. A method of forming a sheet metal gutter which comprises shearing a strip of flat elongated sheet metal stock longitudinally substantially midway between the side edges thereof to subdivide the strip into two parts, simultaneously bending the portions of the two parts adjacent the sheared edges upwardly and backwardly to form an inturned flange parallel to and spaced from the remaining portion of each of said parts, simultaneously bending the portions of the two parts adjacent the inturned flanges perpendicular to the remaining portion of each of said parts to form in conjunction with each of the inturned flanges a ledge, simultaneously bending the portions of the two parts adjacent the ledges to form at least two corrugations, and simultaneously bending the portions of said parts adjacent to the corrugations to form with the ledges and corrugations two sections of box-like form.

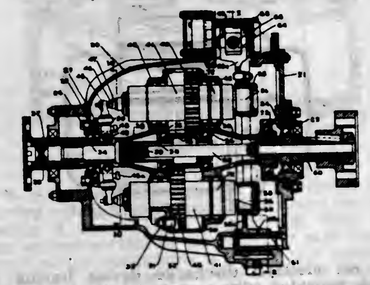
2,493,416
ODONTALGIC DEVICE
Mario Negri, Rome, Italy, assignor to Societa A. Ganzoni & Co., Bologna, Italy, a company of Italy
Application September 4, 1947, Serial No. 772,051
In Italy July 17, 1947
4 Claims. (Cl. 128—260)



1. Odontalgic device comprising a closed container made of thin glass containing analgesic fluid and provided with a needle shaped extension; said container being surrounded by a mass of cotton having substantially an ovular shape, the whole being wrapped in an envelope of gauze; the part of said device comprising the main body of same container being externally surrounded by a collapsible water-tight envelope made of rubber.

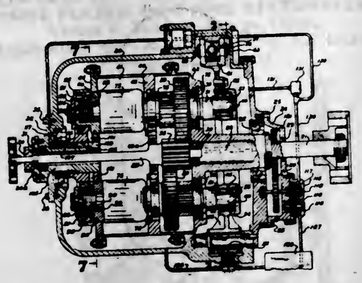
2,493,417
APPARATUS FOR EFFECTING SPEED CHANGES IN MECHANICAL TRANSMISSIONS
Elias Orshansky, Jr., Stamford, Conn., assignor to Donald W. Hornbeck, Cleveland, Ohio
Application November 3, 1945, Serial No. 626,552
35 Claims. (Cl. 74—116)

32. In a variable speed transmission, a rotatable driving element, a plurality of cranks carried by said element and translatably rotated about the axis of the element when the element rotates, said cranks being uniformly spaced about said element, a gear associated with each crank, clutch mechanisms for coupling each associated crank and gear, each of said clutch mechanism comprising a dual clutching means, one of the clutching means of each clutch mechanism being effective to couple the respective crank and its associated gear during a power transmitting movement of the crank and the other clutching means being effective to maintain a torsional relationship between the crank and its associated gear at the moment the first clutching means ceases torsional exertion upon the said associated gear, a gear



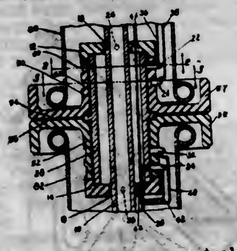
driven by the first mentioned gears, means for effecting a complete cycle of oscillation of each crank about its axis during one revolution of the driving element, and means for rendering the respective clutch mechanisms operable when the cranks pass through a predetermined sector of the arc of revolution of the driving element, the last mentioned means being adapted to render a succeeding clutch mechanism operable prior to the release of the preceding clutching mechanism.

2,493,418
VARIABLE-SPEED TRANSMISSION
Elias Orshansky, Jr., Cleveland, Ohio, assignor to Donald W. Hornbeck, Shaker Heights, Ohio
Application July 16, 1946, Serial No. 683,870
12 Claims. (Cl. 74—125.5)



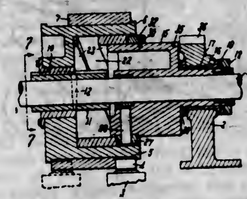
1. In a transmission mechanism, a driven shaft having a gear thereon; a drive shaft; a planetary gear meshing with the gear on the driven shaft; a support for the planetary gear, said support being rotatable by the drive shaft for moving the planetary gear about the gear on the driven shaft; a rocker shaft associated with the planetary gear; means for oscillating said rocker shaft when said support is rotated; hydraulically operated means for effecting driving connection between said rocker shaft and planetary gear intermittently for causing said rocker shaft to drive the planetary gear; and a valve mechanism driven by said drive shaft for controlling said hydraulic means.

2,493,419
SWITCH FOR FLOOR LAMPS
Joseph M. Putter, Melrose, Mass.
Application August 12, 1947, Serial No. 768,177
2 Claims. (Cl. 200—52)



1. In a floor lamp column, a central rigid stem, a metal cylinder surrounding an intermediate portion of said stem and electrically insulated therefrom, a plurality of resilient switch elements, means supporting said elements in position to contact said cylinder, a sleeve of insulating material on said cylinder between the cylinder and said switch elements, said sleeve having apertures therethrough to permit contact between the cylinders and the elements registering with said apertures, and a flange on said sleeve to facilitate rotation thereof.

2,493,420
CAM MECHANISM FOR VARIABLE LENGTH THROW
Herbert H. Ranney and Roger W. Brown, Windsor, Vt., assignors to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application February 18, 1948, Serial No. 9,253
5 Claims. (Cl. 74—57)

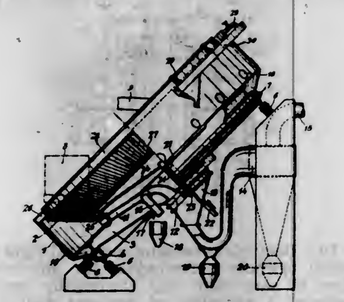


1. In combination, a rotary shaft, a pair of cam elements arranged concentrically on said shaft, one of said elements having a cam path and the other of said elements having a follower riding in said path, a fixed member adjacent to one of said elements, means for selectively coupling said one element to said member or to said other element, said other element being keyed to rotate with said shaft and having a driving cam path, and a follower engaging in said driving cam path.

2,493,421
ROTATING SINTERING APPARATUS
Ole Rolfsen, Oslo, Norway
Application June 1, 1946, Serial No. 673,813
In Norway April 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 21, 1961
3 Claims. (Cl. 266—21)

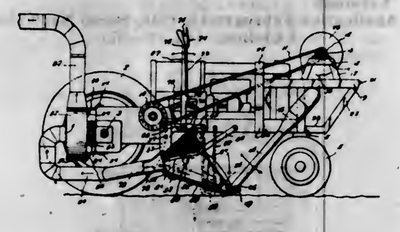
1. Sintering apparatus comprising a grate in the form of a truncated cone which rotates about

its axis which is arranged obliquely to a horizontal plane, characterized by the fact that the truncated cone is arranged with its larger opening



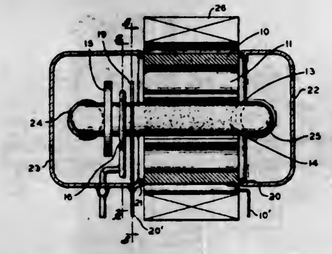
upward, the inner surface thereof forming the grate surface, means for supplying the material at the lower portion and means for removing material from the upper portion thereof.

2,492,422
COTTON STRIPPER HAVING AUXILIARY PNEUMATIC MEANS
Hansel Sartin, Slaton, Tex.
Application February 5, 1946, Serial No. 645,614
2 Claims. (Cl. 56—30)



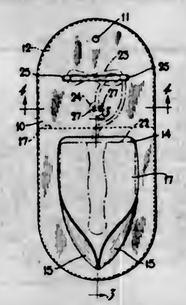
1. In a cotton picker, a group of forwardly declining laterally spaced fingers for stripping bolls from cotton plants between the fingers as the picker is moved forwardly, vertical side walls rising on opposite sides of said group, forwardly declining deflectors extending longitudinally along the inner sides of said sidewalls and substantially on a level with the fingers of said group, a suction manifold behind said group comprising forwardly directed intake mouths located at the elevated rearward ends of said deflectors, a blower manifold comprising rearwardly declining blower tubes terminating at their lower ends in nozzles opening onto the forward ends of said deflectors, and means for blowing air through said nozzles so as to direct air rearwardly along the upper sides of said deflectors and along the inner sides of said sidewalls so as to drive stripped bolls along said group of fingers toward said suction manifold mouths while exerting suction through said suction manifold whereby stripped bolls arriving at the rearward end of said group of fingers are drawn into said suction manifold.

2,492,423
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
John M. Spooner, Manheim Township, Lancaster County, and Lloyd P. Garner, Lancaster, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application May 29, 1944, Serial No. 537,866
10 Claims. (Cl. 250—27.5)



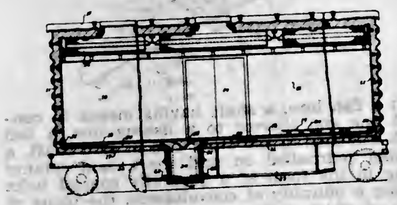
1. An electron discharge device having an anode provided with a central cathode chamber therein, a first cathode having an electron-emitting surface positioned within said chamber surrounded by the active surface of said anode, a second cathode positioned adjacent but outside of said anode for supplying primary electrons to said chamber, and a control electrode positioned between the emitting surfaces of the second cathode and said first cathode.

2,492,424
FLATIRON HOLDER
Chester D. Stanley, Akron, Ohio, assignor, by direct and mesne assignments, to The Wil-Stan Products Company, Akron, Ohio, a corporation of Ohio
Application December 13, 1945, Serial No. 634,851
3 Claims. (Cl. 248—117.1)



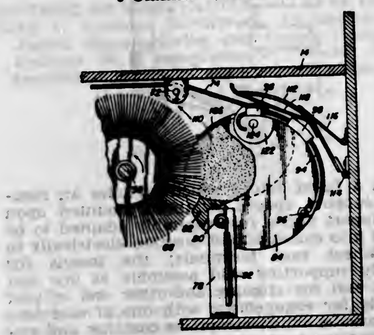
1. A flatiron holder of the character described comprising a vertically arranged metal plate formed near its bottom with an opening therein having the general shape of the outline of a flatiron having a downwardly pointed nose, a heat-insulating structure in said opening flush with the front face of the plate, means on the plate for supporting a flatiron in contact with said heat-insulating structure, and a pair of prongs projecting from the front of the plate, above said opening, in position to have the conductor cord of a flatiron looped thereabout when the iron is supported in the holder.

2,492,425
HEATED REFRIGERATOR CAR
Edward A. Sweeley, Alexandria, Va., and Norman T. Anderson, Washington, D. C., assignors to Fruit Growers Express Company, a corporation of Delaware
Application April 30, 1946, Serial No. 666,066
2 Claims. (Cl. 237—31)



2. In a heating system for a refrigerator car having a floor, side and end walls and a roof, and having a door in each of said side walls near the central portion of the length of said car, the combination comprising a heater box supported below said car floor near the center of said car, closed warm air ducts extending from said heater box to each end of said car, a transverse air duct at each end of said car in communication with said first mentioned ducts, said transverse duct having louvered air discharge openings adjacent the surface of said car floor, and air return ducts within said car and heater box extending from the level of said floor to the bottom of said heater box, one of said return ducts starting adjacent one side wall of said car adjacent the bottom of the door in said side wall and extending horizontally through said floor to said heater box, the other of said return ducts extending vertically downward from said car floor adjacent the bottom of the door in said other wall through the front wall of said heater box to the bottom thereof.

2,493,426
ELECTRIC SHOE SHINER WITH MOVABLE SHOE POLISH APPLYING RECEPTACLE
Victor E. Taylor, Nampa, Idaho
Application March 16, 1948, Serial No. 15,100
9 Claims. (Cl. 15—31)



2. In a shoe shining device, a rotatable polisher shaft and an electric motor operatively connected thereto, a polish applying wheel on said shaft, a support adjacent said shaft, a polish receptacle having a pivotal pin on said supoprt, said pivotal pin extending parallel to said shaft, said receptacle having an opening positioned for receiving said applying wheel when said receptacle is pivoted toward said shaft, said receptacle including a crescent-shaped base having side walls secured thereto, said applying wheel being receivable between said side walls and into the cavity of said base, said base having an inner lid hinged thereto and arcuately extended to form a continuation of said base, said lid providing an opening at its free end and the adjacent end of said base.

2,493,427
STABILIZATION OF HALOGENATED ORGANIC COMPOUNDS
Robert M. Thomas, South Charleston, W. Va., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 15, 1946, Serial No. 670,046
1 Claim. (Cl. 260—651)

A composition of matter comprising benzyl chloride containing impurities which normally catalyze auto-condensation and deterioration and a stabilizing amount of di-2-ethylhexylamine.

2,493,428
FISHING REEL
Louis Tschus, Columbus, Ohio
Application March 4, 1947, Serial No. 732,181
3 Claims. (Cl. 242—84.4)

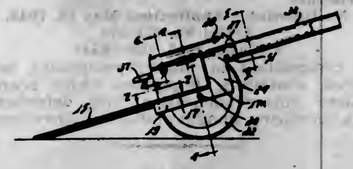


1. A fishing reel comprising a housing, a drum rotatable in said housing for receiving the fishing line, handle-operated crank means including gears engaging said drum for rotating the same, a worm journaled in said housing and being rotatable by said crank means with said drum, a second gear engaging said worm so as to be rotatable thereby, a toothed sector wheel rotatable with said second gear, a rack member having a slot formed therein with first teeth formed along the sides of said slot for engaging with said toothed sector wheel whereby the rack is reciprocated in said housing as the sector wheel rotates, a row of second teeth on said rack member, a second toothed sector wheel engaging said second teeth and keyed upon a shaft journaled in said housing, a fishing line distributing guide arm keyed at one end upon the shaft bearing said second toothed sector wheel and turnable about its axis in a reciprocal manner, said guide arm having an aperture formed in its outer end to receive the fishing line extending therethrough as it passes onto the drum, the outer end of the guide arm thus traversing the length of the drum in a reciprocal manner, whereby the line is laid upon the drum in level layers.

2,492,429
TOY CANNON
Benjamin Wagman, Detroit, Mich.
Application March 18, 1946, Serial No. 655,207
1 Claim. (Cl. 124—29)

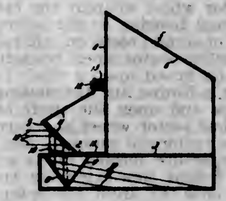
A toy cannon of the class described, comprising: an elongated supporting plate having a

longitudinally directed slot projected inwardly from one end thereof, centrally thereof; to provide a pair of separated parts; an upwardly angularly turned portion on the forwardmost end of each of said parts to provide a shield; a gun carriage comprising a single piece of metal doubled upon itself to provide a U-shaped structure having a pair of spaced apart side plates, said plates frictionally engaging in said slot and projecting forwardly and rearwardly of said shield forming portions; a gun barrel positioned between said plates and attached thereto and projecting forwardly of the forward end thereof; longitudinally directed flanges projecting downwardly from said first mentioned plate rearwardly of said shield forming portions at opposite sides of the slot



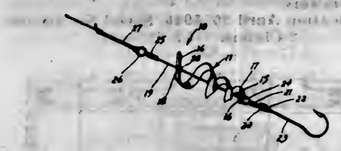
formed in said first mentioned plate, said side plates engaging, while inserted into said slot, at their outer faces, the inner faces of said flanges; a pair of traction wheels, one positioned at each side of said structure; an axle projected through said traction wheels and through said flanges and said spaced apart plates on said gun carriage for rockably mounting said gun carriage and said first mentioned plate on said axle, the frictional engagement of said spaced apart plates in said slot and with said flanges normally resisting rocking movement of said carriage, said carriage being swingable on said axle through approximately 180° to swing said barrel to lie above said supporting plate substantially parallel thereto.

2,493,430
APPARATUS HAVING CONICAL REFLECTOR FOR PROJECTING MAGNIFIED IMAGES
Robert E. Ward, Jr., Kansas City, Mo.
Application April 26, 1946, Serial No. 665,116
3 Claims. (Cl. 88—39)



1. In an apparatus of the kind described, in combination, a portion of the envelope of a cone of an angle of less than ninety degrees, said portion having means for reflecting rays of light projected against its inner side, means supporting said portion against a flat surface in the plane of the apex of the cone and perpendicular to the axis thereof, and means for projecting the image of an object onto said inner side from which said image is reflected magnified in all directions without distortion onto said flat surface.

2,493,431
FISH LURE
Thomas F. Weld, Portland, Oreg.
Application May 3, 1945, Serial No. 591,696
1 Claim. (Cl. 43—42.19)

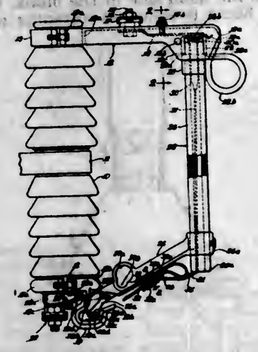


In a fish lure, a shaft having means to connect one end thereof to a fishing line, a fish hook attached to the other end of said shaft, a spinner journalled on said shaft, said spinner being in the form of a generally conical helix having a plurality of convolutions, the plane of each of which is disposed obliquely of the axis of the helix, the inner end of the helix having an opening forming a bearing on the shaft adjacent the hook, the outer end of the helix being provided with an inwardly projecting extension having an opening forming a bearing on the shaft adjacent the end thereof adapted to be connected to a fishing line, and an abutment on the shaft for the inner end of the helix.

2,493,432
FUSED CUTOUT
Edward H. Yonkers, Chicago, Ill., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1944, Serial No. 567,021
24 Claims. (Cl. 200—114)

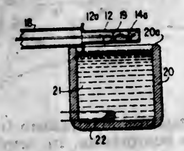
1. In a fused cutout which includes an insulating support, spaced terminals mounted upon said support and a fuse assembly adapted to be rotated into closed circuit position electrically to interconnect said terminals; the means for pivotally supporting said assembly at one end thereof and for aligning the other end of said assembly for engagement with one of said terminal means, which comprises coacting and engageable pivot parts respectively carried by said support and said assembly, and spring means reacting between said assembly and said support to force said pivot parts into pressure engagement as said assembly is rotated into closed circuit position, said spring means including a part for guiding said pivot parts into engagement as said assembly is mounted upon said support.

2,493,433
FUSED CUTOUT
Edward H. Yonkers, Chicago, Ill., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1945, Serial No. 619,657
25 Claims. (Cl. 200—114)



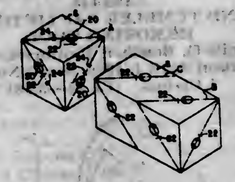
1. A cutout of the dropout type comprising a support, a retaining element carried by said support, a fuse tube assembly including a fuse tube provided at one end with a part engageable with said element to restrain said assembly against dropout movement, a supporting member rigidly connected to said fuse tube and provided with pivot means, non-movable supporting means fixedly carried by said support for supporting said pivot means for pivotal movement and for translatory movement away from said retaining element, said fuse tube, supporting member and pivot means being movable as a unit with respect to said supporting means to release said part from said element and thus permit pivotal dropout movement of said assembly as said pivot means is translated away from said element, and fuse controlled means for normally preventing movement of said pivot means away from said element.

2,493,434
METHOD OF MANUFACTURING FUSE LINKS
John L. Yonkers, Northbrook, Ill., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill., a corporation of Illinois
Application March 21, 1946, Serial No. 656,043
12 Claims. (Cl. 29—155.5)



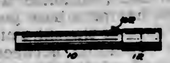
1. In the manufacture of fuse links, the method of forming a fusible solder connection between a tubular conducting member and a wire-like conducting element to provide a fuse link sub-assembly, which comprises inserting an end of said element within said member, placing a tube around said element to aid in manipulating said element to a desired position relative to said member, placing said tube against the upper edge of a solder pot containing molten fusible solder having a specific gravity greater than that of said member, and pivoting said tube about said edge to immerse said member and the inserted end of said element in said solder, thereby to form a solder connection between said member and said element.

2,493,435
BUILDING BLOCK
Alcide J. Archambault, North Quincy, Mass.
Application May 31, 1946, Serial No. 673,309
4 Claims. (Cl. 46—26)



1. A set of building blocks comprising a plurality of blocks having holes therethrough in three directions, the axes of the holes being mutually perpendicular but non-intersecting, the centers of three corresponding holes, where they appear at the surface, being offset from the face centers along diagonals lying in an oblique plane, and dowels to pass through registering holes of several blocks to hold together a structure built from the blocks.

2,493,436
TIPPED CIGARETTE
Thomas R. Atkins, Saugus, Mass., assignor of one-half to Lawrie L. Witter, Boston, Mass.
Application November 27, 1945, Serial No. 631,000
3 Claims. (Cl. 131—11)



1. A cigarette comprising a column of tobacco, a paper tube surrounding said tobacco, a relatively shorter and tubular smoking tip telescoped over one end of the tube, and flexible anchoring means disposed on one side only, exteriorly, laterally and between the ends of the tube and attached at its two ends to the tube and the tip respectively, said means permitting telescoping movement of the tip outwardly beyond said one end of the tube but so limiting such movement that the tip remains partially telescoped over the tube.

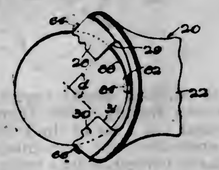
2,493,437
SIGNAL DEVICE
Howard L. Berry, Schenectady, N. Y.
Application October 11, 1946, Serial No. 702,774
4 Claims. (Cl. 116—114)



1. A signal device comprising a resilient, arcuate band adapted to be slipped over and frictionally to engage the exterior surface of one of the

rotatable mileage indicating disks of an odometer throughout a circumferential portion of said disk substantially in excess of 180° but substantially less than 360°; whereby said band will be rotated when said disk is rotated; and a signal carrying arm attached to said band adjacent one end thereof and extending therefrom substantially parallel to the axis of rotation of said disk when said band is secured to said disk.

2,493,438
JAR AND TUMBLER CAP LIFTING AND REMOVING TOOL
Emile G. Boucher, Baltimore, Md.
Application April 1, 1946, Serial No. 658,802
4 Claims. (Cl. 81—3.46)

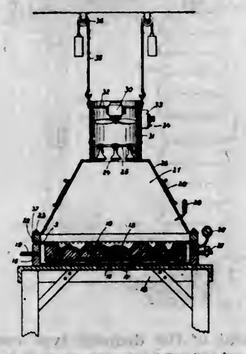


1. A jar cap tool for lifting and removing a cap from a jar of the tumbler or jelly glass type having a beaded rim, and wherein the cap is vacuum sealed and is provided with an annular skirt surrounding the exterior wall of the jar, comprising a handle having a pair of spaced apart arms projecting outwardly from one end of the handle, said arms lying in a common plane and provided with adjacent edges to rest at spaced apart points of support upon the edge of the top of the cap when the tool is placed in cap-removing position, and a hook projecting from said one end of the handle and positioned intermediate said arms, the hook having a base portion for receiving the lower edge of the skirt of the cap and an outer portion extending between the skirt and the exterior wall of the jar when the tool is placed in said cap-removing position, said outer portion being formed to occupy a plane different from the plane of the arms and to be closely adjacent the inner surface of the skirt, so that said outer portion will spring the skirt outwardly from the jar wall and will readily clear the beaded rim of the jar during upward movement of the tool about said points of support to lift and remove the cap from the jar.

2,493,439
RELIEF DUPLICATION
John J. Braund, Washington, D. C.
Application September 24, 1946, Serial No. 698,973
26 Claims. (Cl. 18—19)

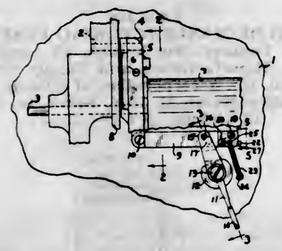
1. A relief duplicating machine comprising a vacuum box having an open side and adapted to support a mold matrix therein adjacent said open side, means for removably securing a blank sheet to be molded in sealing engagement with the box in molding position across the open side thereof, a hooded reflector and hot air heating means overlying the open face of the box coactive to uniformly heat the entire area of a blank when secured to the box, and means for supplying a varying blank molding vacuum interiorally of the box.

23. A method of duplicating a topographical relief map which comprises supporting a map blank of thermoplastic sheet material inscribed with topographical indicia of the desired map and in hard state against the outermost face surfaces of a female relief mold having the relief of the desired map with the topographical indicia in accurate registry with corresponding points of the mold relief and with the margins of the blank rigidly secured, uniformly heating the side of the blank away from the mold so as to gradually raise the temperature of the blank and applying vacuum to the mold side of the blank, beginning while the blank is below its softening point, and



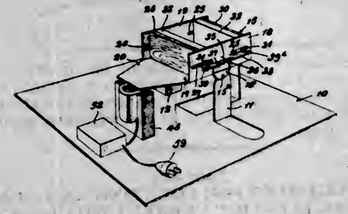
as the temperature of the blank rises progressively increasing the vacuum controlled amount on the mold side of the blank so as to draw the blank into contact with the relief molding surfaces of the mold of different depth progressively, starting with the molding surfaces of lesser depth, and maintain accurate registry of the topographical indicia with corresponding points of the relief of the mold.

2,493,440
GATE ACTUATING MECHANISM FOR MOTION-PICTURE MACHINES
Karl Brenkert, Detroit, Mich., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1948, Serial No. 47,037
8 Claims. (Cl. 88—17)



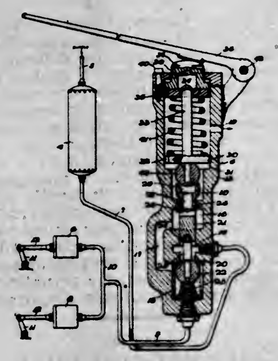
2. A gate actuating mechanism for motion picture machines comprising, in combination with a fixed frame member and a gate assembly slidably mounted thereon, an arm pivotally attached to said assembly, an operating lever mounted on said member and having a cam connection to said arm adapted to move said arm vertically on movement of said lever in the gate-opening direction, the rear end of said arm being sloped, a pin on said member and engaging said sloped end when the gate assembly is in closed position, and an expanded spring having its ends attached respectively to said member and arm and positioned to wedge said end against said pin.

2,493,441
FILM TANK AGITATOR
William H. Carr, Jr., Washington, D. C.
Application September 30, 1947, Serial No. 776,921
2 Claims. (Cl. 259—75)



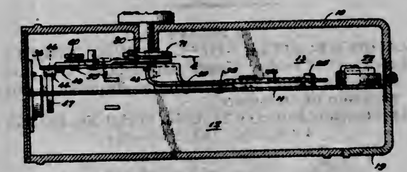
1. In a mechanism for rocking a film tank containing a solution for treating photographic films, a holder for the film tank comprising an elongated metal bottom plate having upstanding parallel side flanges extending for a portion of the length of the plate, said flanges having spaced and horizontally aligned elongated slots, a pair of spaced slides between the flanges, a projection on the end of each slide received by an adjacently disposed slot for guiding the slides towards or away from each other and springs connected between the projections tending to draw the slides toward each other, a resilient pad on the inner face of each slide adapted to engage a wall of the film tank, and means pivotally mounting the plate intermediate the ends thereof.

2,493,442
VALVE MECHANISM
Roger H. Casler, Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application September 18, 1946, Serial No. 697,755
13 Claims. (Cl. 303—54)



1. In a self-lapping fluid pressure valve mechanism having a casing provided with inlet, outlet and exhaust chambers, a spherical inlet valve for closing communication between the inlet and outlet chambers and mounted in the outlet chamber to open in the direction of flow of fluid from the inlet to the outlet chambers, a spherical exhaust valve for closing communication between the outlet and exhaust chambers and mounted in the exhaust chamber to be opened by pressure in the outlet chamber, a valve operating element connected with the inlet valve and having a part tending to close the inlet valve in opposition to the tendency of the inlet pressure to open the inlet valve, and means to operate said valves including means to move the element and inlet valve connected thereto.

2,493,443
LOCKING MECHANISM FOR OPERATION-CONTROL MECHANISM FOR MOTION-PICTURE CAMERAS
Irving Cisski, Schiller Park, Ill., assignor to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application August 2, 1946, Serial No. 687,923
5 Claims. (Cl. 88—17)



1. A device of the class described comprising, a member shiftable in opposite directions from a normal neutral position and connected to actuate the operation-control mechanism for a motion picture camera, a second member mounted adjacent to said first-mentioned member and shiftable to occupy either of two positions, a bar connected to be actuated by said second-mentioned member, a pair of shoulders on said bar, and a shoulder on said first-mentioned member adapted to be engaged by said shoulders to selectively lock said first-mentioned member against movement in its neutral position or one of its shifted positions.

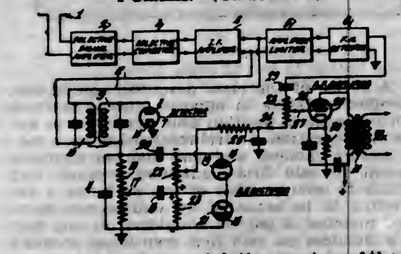
2,493,444
METHOD FOR STABILIZING SULFATED PRODUCTS
John Randolph Clark, Nutley, and John David Malkemus, Allendale, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 1, 1946, Serial No. 680,853
13 Claims. (Cl. 260—400)

1. A method for stabilizing a sulphated product formed by reacting (*a*) sulphamic acid with (*b*) an organic compound consisting of C, H and O atoms and containing at least one functional group selected from the class consisting of ethers, carboxylic acid esters and alcohols, said organic compound containing at least one alcoholic-OH group capable of sulphation, there being present in the said organic compound no oxygen other than in the form of ethereal oxygen, carboxylic acid ester oxygen or alcoholic oxygen, said sulphated product containing residual sulphamic acid, which comprises heating said sulphated product with a reagent capable of destroying the residual sulphamic acid contained therein.

2,493,445
METHOD FOR STABILIZING SULFATED PRODUCTS
John Randolph Clark, Nutley, John David Malkemus, Allendale, and John Rees, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 1, 1946, Serial No. 680,554
7 Claims. (Cl. 260—400)

1. A method for stabilizing a sulphated product formed by reacting (*a*) sulphamic acid with (*b*) an organic compound consisting of C, H and O atoms and containing at least one functional group selected from the class consisting of ethers, carboxylic acid esters and alcohols, said organic compound containing at least one alcoholic-OH group capable of sulphation, there being present in the said organic compound no oxygen other than in the form of ethereal oxygen, carboxylic acid ester oxygen or alcoholic oxygen, said sulphated product containing residual sulphamic acid, which comprises treating said sulphated product with nitrous acid.

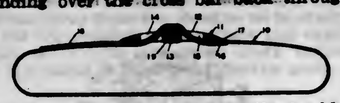
2,493,446
RADIO RECEIVER NOISE MUTING CIRCUIT
Murray G. Crosby, Upper Montclair, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 23, 1946, Serial No. 642,939
4 Claims. (Cl. 250—20)



2. In a frequency modulation receiver of the type having a tuning means, a frequency discriminator and an audio amplifier; the improvement which includes a detector having an output load element for limiting the peaks of a predetermined polarity of amplitude modulation appearing in the discriminator input energy in response to adjustment of said tuning means between stations, two rectifiers, one of said rectifiers being coupled across one portion of said detector output load element so poled as to rectify the limited peaks of the noise modulation voltage peaks, the other one of said rectifiers being coupled across another portion of said detector output load element so poled as to rectify the unlimited peaks of the noise modulation voltage peaks, said rectifiers having individual output load circuits connected for deriving the difference of the rectified voltages, and further means for muting said audio amplifier with the difference of said rectified voltages, thereby to prevent the rush of noise commonly produced during absence of carrier.

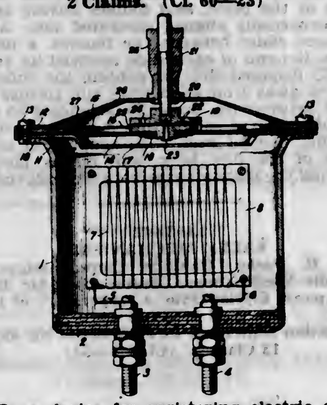
2,493,447
BELT STRUCTURE
George W. Delano, Detroit, Mich.
Application October 14, 1946, Serial No. 703,129
8 Claims. (Cl. 2—322)

1. A belt comprising a buckle having an opening and having a cross bar dividing the opening into two adjacent slots, a flexible strap of resinous material having one end projecting outwardly from the inner side of the buckle through one of the slots to the outer side of the buckle and extending over the cross bar back through the



second slot to the inner side of the buckle, and a covering for the bar of resinous material compatible with the material from which the strap is formed and heat welded to the adjacent portion of the strap.

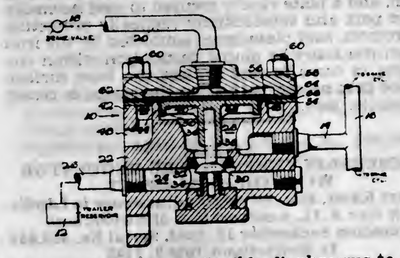
2,493,448
ARRANGEMENT FOR COUNTING AND MEASURING ELECTRIC CURRENT IMPULSES OF SHORT DURATION
Paul Fehr, Zug, Switzerland, assignor to Landis & Gyr, A. G., Zug, Switzerland, a body corporate of Switzerland
Application March 28, 1945, Serial No. 585,361
In Switzerland April 5, 1944
2 Claims. (Cl. 60—23)



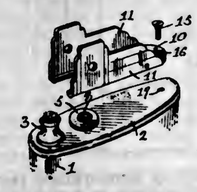
1. In a device for registering electric current impulses of short duration, the combination of a tank, a flexible diaphragm for defining a chamber of variable volume with the tank, a resistance heating element continuously connected to a current source and continuously responsive to current impulses of short duration mounted in said chamber to heat and thereby expand the air therein, a channel for connecting the air in said chamber with the atmosphere mounted on said diaphragm for movement therewith, said channel being adapted to accommodate gradual pressure variations in the chamber caused by ambient temperature changes and to resist rapid pressure variations caused by the heating of said resistance element, and a register actuating plunger actuated by movement of said diaphragm.

2,493,449
FLUID-PRESSURE VALVE
Ellery R. Fitch, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application September 18, 1947, Serial No. 774,765
6 Claims. (Cl. 137—139)

3. In a fluid pressure operated valve, a casing provided with an annular exhaust valve seat, a diaphragm structure within the casing and normally contacting said seat, said diaphragm structure comprising a pair of superposed flexible diaphragms having a fabric disc loosely mounted therebetween, and a cap for securing the marginal portions of said flexible diaphragms to said casing, the peripheral portion of the fabric disc extending to a position between the outer periphery of the exhaust valve seat and the inner marginal portion of the cap.

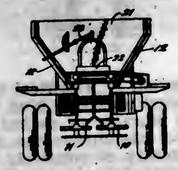


2,493,450
DEMOUNTABLE HEAD ASSEMBLY FOR POCKET LIGHTERS
Charles Aimé Fortin, Montreal, Quebec, Canada, assignor to Presto Lighters Limited, Montreal, Quebec, Canada
Application August 3, 1949, Serial No. 108,248
2 Claims. (Cl. 67—7.1)



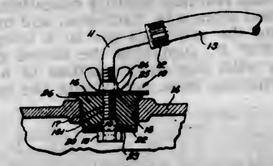
1. In a pocket lighter having a body with a top member thereon, a demountable head assembly comprising a U-shaped head having a base and two sides, a ring secured in said top member and having an outward flange spaced above said member, one end of said base being forked to receive said ring beneath its flange, a flint tube secured in said ring and extending into said body, and means for fastening said base to said top member.

2,493,451
CONVEYER STRUCTURE
Roy C. Gaddis, Cedar Rapids, Iowa, and Luther Ray Gann, Higginsville, Mo.; said Gann assignor to said Gaddis
Application April 2, 1948, Serial No. 18,614
4 Claims. (Cl. 214—83.36)



1. In combination with a vehicle body having a bed flanked by continuous roller chain conveyors with cross-bars therebetween and having also inwardly and downwardly inclined side walls, shields forming extensions of said side walls and extending inwardly of said roller chains, metal rods welded to the walls of said shields and bearing against the rollers of said conveyors, and means for drawing said shields outwardly to bring said rods adjustably against said rollers.

2,493,452
PIPE JOINT
George T. Grigg, Walnut Park, Calif.
Application May 24, 1947, Serial No. 750,277
9 Claims. (Cl. 285—165)



1. A fitting for reception within an opening in a fluid receiving body of a hydraulic brake system, comprising a rubber plug receivable within said opening, a threaded stem for connection with a hose to pass fluid into said body, said stem extending axially within and projecting from the outside of the plug, metallic washers about the stem at the inner and outer ends of the plug, said inner washer being embedded within said plug and vulcanized therein, and a nut on said stem adapted to be tightened against said outer washer to axially compress and consequently radially expand the plug within said opening.

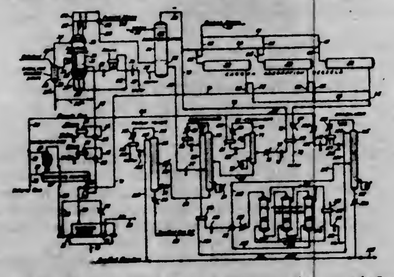
2,493,453
PREVENTION OF FOAMING IN STEAM GENERATION
Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 28, 1944, Serial No. 560,899
2 Claims. (Cl. 252—321)

1. The method of generating steam from a boiler water having a tendency to foam on boiling, which comprises dispersing into said water in an amount sufficient substantially to inhibit the tendency of said water to foam on boiling a compound having a molecular weight of at least one thousand and comprising a linear condensation product of one molecular proportion of ethylene diamine and two molecular proportions of a dimer of an unsaturated higher fatty acid derived from a member of the group consisting of linseed oil fatty acids and soy bean oil fatty acids, and boiling the resulting dispersion to generate steam therefrom.

2,493,454
GAS PROCESSING FOR THE SYNTHESIS OF HYDROCARBONS
James D. Hagy, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application December 15, 1944, Serial No. 568,315
2 Claims. (Cl. 260—449.6)

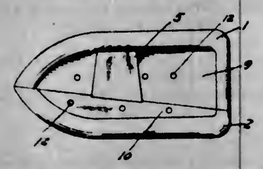
1. The process of producing normally liquid hydrocarbons from methane which includes the steps of dividing a stream of methane into a minor portion and a major portion, oxidizing the minor portion of methane with an excess of air to produce a combustion mixture of carbon dioxide, water, and

unreacted air, effecting said combustion at a temperature of above about 2500° F., commingling with the combustion gas the major portion of methane whereby the temperature of the mixture is reduced to about 1750° F., contacting the mixture of combustion gases and methane with a reforming catalyst under substantially adiabatic conditions wherein a portion of the added methane is oxidized exothermically by the residual oxygen and another portion of the added methane is endothermically reacted with carbon dioxide and water resulting from the oxidation of the minor portion of methane, withdrawing the reaction mixture from said catalytic contacting zone, said reaction mixture comprising essentially carbon monoxide, hydrogen, and unreacted air, cooling the synthesis gas to a temperature of about 610° F., supplying the cooled synthesis gas along with the air impurities to a hydrocarbon synthesis zone, contacting the said syn-



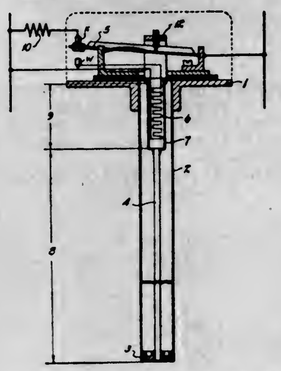
thesis gas with a finely divided iron-type catalyst maintained in a dense turbulent fluidized phase, extracting heat from said synthesis zone whereby the temperature is maintained within the range of between about 450 and 675° F., separating reaction products and finely divided catalyst, cooling the separated reaction products by contacting directly with liquid water to recover a gaseous product fraction and a liquid product fraction, recovering hydrocarbon constituents from said gaseous fraction, fractionating the liquid product fraction to recover a predominately propylene fraction, subjecting the propylene fraction to catalytic polymerization to produce additional quantities of gasoline hydrocarbons, recycling a major portion of unreacted propylene to said catalytic polymerization, and bleeding off a minor portion of unreacted low-molecular weight hydrocarbons and recycling said minor portion to said oxidation zone.

2,493,455
FLATIRON STAND
George R. Harris, Montrose, Calif., assignor, by mesne assignments, to Zeigler-Harris & Co., Inc., a corporation of California
Application February 2, 1946, Serial No. 645,642
5 Claims. (Cl. 248—117.3)



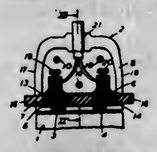
1. A flat iron stand comprising, a casing shaped to encompass the bottom and sides of a flat iron, said casing being made in two parts hinged together lengthwise of the base thereof, legs maintaining one of said parts elevated above a support, the other part normally by its own weight maintained downwardly and outwardly swung open, and a plate rigidly secured to said normally open part and substantially vertically projecting therefrom, said plate being contacted by the iron when the latter is placed in position within the casing to come to rest against the base surface of the first named part when the casing is closed about the iron.

2,493,456
IMMERSION TEMPERATURE REGULATOR WITH THERMAL RESET
Albert Käser, Zug, Switzerland, assignor to Landis & Gyr A. G., a corporation of Switzerland
Application September 13, 1944, Serial No. 553,838
In Switzerland July 9, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 9, 1963
5 Claims. (Cl. 200—122)



1. An immersion temperature regulator comprising, in combination a temperature feeler, a thermal reset member, and a switch adapted to energize alternately a load circuit and a circuit in said thermal reset member, said thermal reset member being between said switch and temperature feeler.

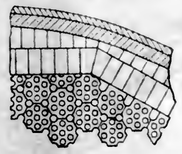
2,493,457
PLUG AND SOCKET CONNECTION
John Francis Kenure, Feltham, and Herbert Frederick Whitmarsh, London, England
Application July 19, 1945, Serial No. 605,875
In Great Britain October 6, 1944
8 Claims. (Cl. 173—328)



1. In combination an electrical plug unit and an electrical socket unit, said plug unit comprising a casing, a plurality of spaced contact pins each adapted to interengage the corresponding socket of a plurality of relatively fixed sockets in the socket unit, and a longitudinally resilient strip housed within said casing and carrying said pins in spaced relationship, such pins being movable towards and away from one another

transversely of their axes by longitudinally compressing and releasing said strip, said strip acting on said pins normally to retain them at a greater distance apart than the distance between the fixed sockets.

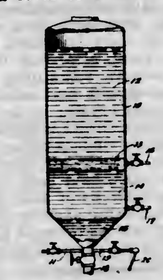
2,493,458
CHECKER ASSEMBLY FOR STOVE CONSTRUCTION
Ernest H. Koenig, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application April 30, 1945, Serial No. 590,982
1 Claim. (Cl. 72—102)



In combination, in an assembly of checkers, regular checkers each having a cross sectional contour in the form of a regular hexagon, supplementary checkers each comprising half of a regular checker divided along a plane extending through opposite vertices of said regular hexagon and other supplementary checkers each having a cross sectional contour in the form of a pentagon symmetrical about an axis, four sides of said pentagon lying in colinear relationship with the sides of said regular hexagon, two opposite sides of said pentagon being parallel with said axis of symmetry and connected to the fifth side through arcs connecting with lines parallel with said axis of symmetry of said pentagon, terminating at said fifth side to form an extension of less width than the width between said opposite sides, said fifth side being closer to the center of the corresponding hexagon than a vertex thereof, each of said checkers of pentagonal contour being provided with a plurality of holes extending therethrough, all sides of said pentagon being located outside of said holes, whereby each of said pentagonal checkers includes a continuous outer wall braced by partitions between said holes, said regular checkers and said first mentioned supplementary checkers being arranged in alternate side by side relationship with one another forming a group, the non-hexagonal sides of said group of said first mentioned supplementary checkers being disposed in coplanar relationship with sides of said regular checkers forming an extended flat surface along the exterior wall of said assembly, said second mentioned supplementary checkers of another group being disposed with their said opposite sides in side by side relationship, with the fifth sides thereof disposed in coplanar relationship forming a second extended flat surface of said assembly, an end checker of the first group and an end checker of the other group being disposed in side by side relationship, forming a corner construction with the extended flat surfaces angularly disposed.

2,493,459
METHOD AND APPARATUS FOR RENDERING FATS
Raymond Koppit and Charles J. Davis, Jr., Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
Application March 12, 1945, Serial No. 582,280
3 Claims. (Cl. 260—412.6)

1. The method of rendering pork fats comprising cooking fat-containing stock in the presence of steam to produce a mixture of lard, floaters, tankwater and tankage, allowing the cooked stock to settle into strata, withdrawing tankwater to lower the lard level to a draw-off point above

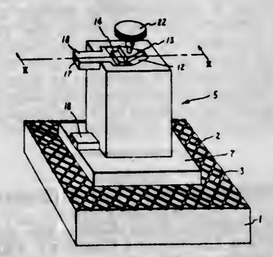


the bottom of the stratified stock, withdrawing the lard at the draw-off point, and thereafter separately withdrawing from the bottom of the stratified stock the tankage, the remaining tankwater, and the floaters in order.

2,493,460
SPRAY RESIDUE REMOVAL COMPOSITION AND METHOD
Rudolph H. Larsen, San Francisco, and Fred Bresee, Jr., San Mateo, Calif., assignors to Fred Bresee, Jr., doing business as Balab, San Francisco, Calif.
No Drawing. Application June 2, 1947, Serial No. 752,000
10 Claims. (Cl. 99—103)

1. A concentrated liquid composition adapted to be introduced into water to form a washing solution capable of removing spray residues from agricultural products, said composition comprising a hydrocarbon oil capable of acting as a solvent upon the fruit wax, an alkyl aryl sulfonate wetting agent within the molecular weight range of 230 to 310, a fatty acid of the 18 carbon type having at least one unsaturated bond, and an alkaline agent combined with the fatty acid to form a soap.

2,493,461
MEANS AND METHOD OF FORMING PIEZO-ELECTRIC CRYSTALS
Charles W. MacConnell, Southbridge, Mass., assignor to Harvey-Wells Communications, Inc., Southbridge, Mass., a corporation of Massachusetts
Application May 4, 1944, Serial No. 534,137
6 Claims. (Cl. 171—327)



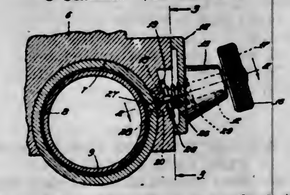
1. A method of forming stabilized piezo-electric crystals comprising the steps of abrading to substantial parallelism the opposed surfaces of a crystal cut from the mother quartz to approxi-

mately required dimensions while simultaneously permitting the abrading action on said surfaces to introduce incipient fractures in the abraded surfaces of controlled depth, continuing the abrading action until the frequency value of the crystal has been increased to a value of from 0.1 to 1.0% lower than the final frequency required for the crystal, cleansing the surfaces of the crystal to remove remaining abrasive and loose particles of quartz and subsequently subjecting the cleansed crystal to an acid bath of a given concentration for an interval of time controlled according to the concentration of the bath sufficient to reduce said crystal to its required frequency, with said bath simultaneously rounding out the bottoms of said incipient fractures present in the abraded surfaces while avoiding the glazing of said surfaces of the crystal and the development of its crystalline structure.

2,493,462
INHIBITING CORROSION IN WELLS
Paul L. Mensul, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application December 28, 1946, Serial No. 719,117
15 Claims. (Cl. 252—8.55)

1. The method inhibiting the tendency of corrosive brines containing low-boiling organic acids to attack metal surfaces which comprises the step of mixing with said brines a small amount of bone oil.

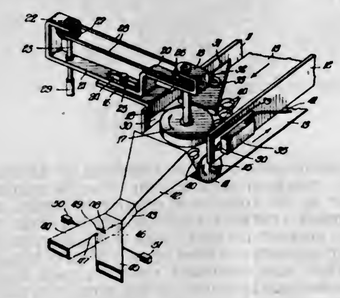
2,493,463
LENS FOCUSING AND ADJUSTING DEVICE
Thomas J. Morgan and George P. Hazzard, Chicago, Ill., assignors to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application September 14, 1946, Serial No. 697,024
5 Claims. (Cl. 88—24)



1. In a device of the class described, the combination with a lens having an externally threaded ferrule, of a mounting comprising a support, an axially movable focusing tube slidably mounted on said support for receiving the lens ferrule, a shuttle plate having a stud extending through an aperture in the wall of said tube for engagement with the threads of the lens ferrule, a cover detachably secured to said support, a stem rotatably mounted on said cover, and a cam on said stem operatively engaging said shuttle plate for shifting said focusing tube axially upon the rotation of said stem.

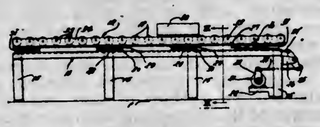
2,493,464
CONTROL APPARATUS AND SWITCH THEREFOR
Martin L. Nelson, Park Ridge, Ill., assignor to Production Instrument Company, Chicago, Ill., a corporation of Illinois
Application October 16, 1945, Serial No. 622,561
8 Claims. (Cl. 198—40)

1. Apparatus for counting bottle caps or like articles comprising a conveyor belt and means for moving such belt, means forming side walls for said belt and forming an open relatively wide channel therewith for receiving bottle caps in bulk and for conveying such bottle caps toward one end of said channel which is the discharge end thereof, a yieldable control member mounted at one of said side walls and partially extending into said channel from the corresponding side wall thereof, a drive wheel disposed in said channel above said conveyor belt, the axis of said drive wheel extending perpendicular to the plane of said conveyor belt and the rim of said drive



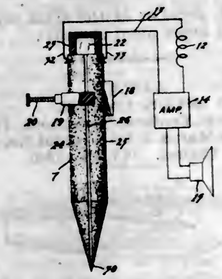
wheel forming with said yieldable control member a laterally restricted passageway for the passage of said bottle caps one by one for discharge from said channel, means for rotating said drive wheel to engage the rims of bottle caps as they are successively delivered to said restricted passageway by said conveyor belt so as to force said bottle caps successively one by one against and past said yieldable control member to pass through said restricted passageway for discharge from said channel, and means automatically actuated by said yieldable control member for counting each bottle cap as it passes through said passageway.

2,493,465
POWER-DRIVEN CONVEYER
Richard B. Persson, Chicago, Ill., assignor of one-half to Per Persson, Chicago, Ill.
Application August 20, 1947, Serial No. 769,569
6 Claims. (Cl. 198—218)



3. A conveyor comprising a stationary table, a platform mounted for reciprocating movement on said table, a plurality of rollers mounted on said platform for rotation about their own axes, means including a wedge-shaped recess and ball associated with said rollers for substantially insuring rotation of said rollers in one direction only, whereby when said platform is reciprocated on the forward stroke articles thereon are moved forwardly with the rollers and when the platform moves rearwardly the articles continue to move forwardly over the freely rotating rollers.

2,493,466
PHONOGRAPH SYSTEM AND STYLUS THEREFOR
William F. Smith, North Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application July 10, 1946, Serial No. 682,530
6 Claims. (Cl. 179—100.4)



1. A phonograph stylus comprising a non-conducting body portion and a coating of conducting material extending along said body portion in two sections separated except at the tip of said body portion.

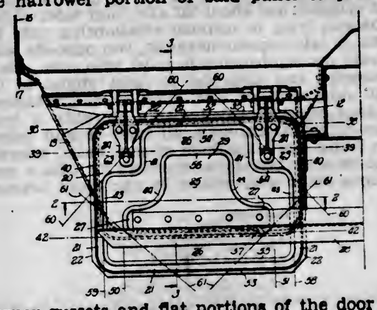
2,493,467
PUMP FOR CUTTING OIL
Joseph Sunnen, Clayton, Mo.
Application December 15, 1947, Serial No. 791,860
4 Claims. (Cl. 103—108)



1. In an oil pump, a body member having a vertical bore therein, a shaft mounted in said bore, an impeller carried by said shaft, said impeller having an inlet near the center at its lower end and an outlet near the periphery at its upper end, a discharge outlet in said body member above said impeller, a bearing for said shaft in the upper part of said body member, a second bearing for said shaft above said first bearing and an oil return outlet to permit the escape of oil under pressure escaping from the upper end of said first bearing.

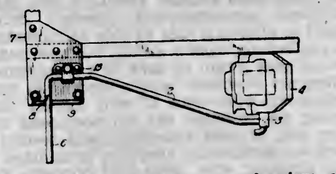
2,493,468
HOPPER DOOR FOR RAILWAY CARS
James S. Swann, Homewood, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 2, 1946, Serial No. 688,067
5 Claims. (Cl. 105—280)

4. A door for forming a load retaining means for a hopper of a railway car and adapted to be supported from said car by spaced hinges and a spreader adjacent to and spaced from the lower edge of the door; said door provided with a T-shaped panel, pressed in the central portion of the plate, a corrugation extending continuously about the door, pressed in the margin of said door in the direction of and to the plane of said panel, spaced therefrom, and forming a groove for the reception of the hopper walls; said corrugation being enlarged at the corners opposite the narrower portion of said panel to provide



corner gussets and flat portions of the door for attachment of hinge straps to hinge said door to said hopper, so that the space between said panel and said corrugation conforms to the shape of said panel and occurs in the original plane of the plate.

2,493,469
RAILWAY COUPLER OPERATING DEVICE
William J. Tangerman, Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 15, 1946, Serial No. 669,880
9 Claims. (Cl. 213—170)

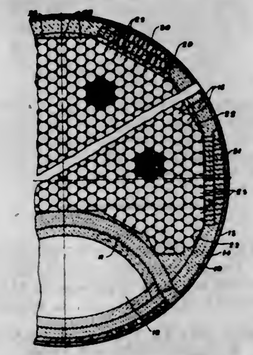


1. A car coupler operating mechanism comprising a member fixed to the car, a guiding bracket fixed to the car, an operating rod mounted in said guiding bracket for rotating and vertical movement therein, said rod attached to said coupler for operation thereof upon rotation of said rod, a portion of said rod outwardly of said bracket being bent laterally in an ogee curve and downwardly to provide a depending handle, the portion of said curve adjacent said handle providing a hook portion engageable with said member to substantially prevent accidental rotation of said rod, said hook portion including an inclined surface arranged so that movement of said handle by an operator to operate the coupler raises said rod and disengages said hook portion from said member, whereby the weight of the rod tends to prevent accidental rotation of said rod.

2,493,470
STOVE CHECKER ASSEMBLY
Bruce E. Tau, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application May 12, 1944, Serial No. 535,271
2 Claims. (Cl. 72—102)

1. In combination, in an assembly of checkers, regular checkers each having a cross sectional

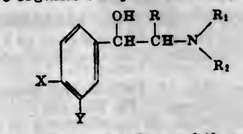
contour in the form of a regular hexagon, supplementary checkers each comprising half of a regular checker divided along a plane extending through opposite vertices of said regular hexagon and other supplementary checkers each having a cross sectional contour in the form of a pentagon symmetrical about an axis, four sides of said pentagon lying in colinear relationship with the sides of said regular hexagon, two opposite sides of said pentagon being parallel with said axis of symmetry and disposed at right angles to the fifth side, each of said checkers of pentagonal contour being provided with a plurality of holes extending therethrough, all sides of said pentagon being located outside of said holes, whereby each of said pentagonal checkers includes a continuous outer wall braced by partitions between



said holes, said regular checkers and said first mentioned supplementary checkers being arranged in alternate side by side relationship with one another forming a group, the non-hexagonal sides of said group of said first mentioned supplementary checkers being disposed in coplanar relationship with sides of said regular checkers forming an extended flat surface along the exterior wall of said assembly, said second mentioned supplementary checkers of another group being disposed with their said opposite sides in side by side relationship with the fifth sides thereof disposed in coplanar relationship forming a second extended flat surface of said assembly, an end checker of the first group and an end checker of the other group being disposed in side by side relationship, forming a corner construction with the extended flat surfaces angularly disposed.

2,493,471
STABILIZED ORGANIC COMPOUNDS AND METHODS OF OBTAINING THE SAME
Edward W. Tillitson, Grosse Pointe, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 4, 1945, Serial No. 597,598
18 Claims. (Cl. 260—570.6)

1. A stabilized mixture of a sympathomimetically active organic compound having the formula,

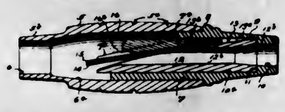


where X and Y are members of the class consisting of —H and —OH, at least one of X and Y being —OH, and R, R_1 and R_2 are members of the class consisting of —H and —CH_3, said mixture containing at least a small fraction of 1 percent of an iminoaminomethanesulfinic acid compound of the formula,



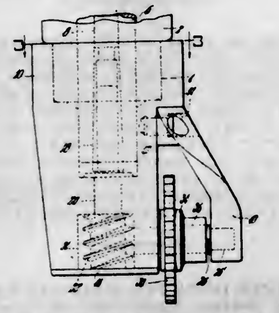
where R' is a member of the class consisting of hydrogen and lower alkyl radicals.

2,493,472
DUCK CALLER
George J. Yentzen, Nederland, Tex.
Application March 7, 1946, Serial No. 652,635
3 Claims. (Cl. 46—180)



1. A duck caller or the like comprising in combination, a main cylindrical hollow barrel, an inner barrel mounted within the main barrel, a sound box mounted within the inner barrel, the sound box and a portion of the inner barrel being cut away on a trans-axis bias inwardly of their outer ends, a vibratory reed mounted on the slanting surface of the sound box, a thin perforated coextensive backing plate overlying said vibratory reed, and a wedge inserted between the backing plate and the overlying uncut-away inner portion of the inner barrel to lock the reed, backing plate and sound box in proper position within the main barrel.

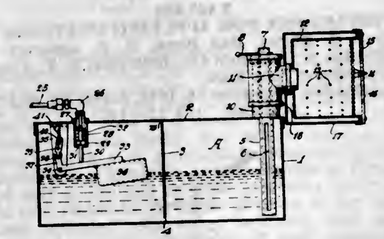
2,493,473
TOOL MECHANISM
Louis J. Bouchard, Holyoke, Mass., assignor to Dual Mfg. and Engineering Co., Holyoke, Mass., a corporation of Massachusetts
Application April 8, 1948, Serial No. 20,872
2 Claims. (Cl. 90—18)



1. Tool rotating mechanism for a machine tool having a quill of a certain diameter and a spindle of less diameter rotatable therein and extending therebelow which is provided with a longitudinal bore extending upwardly therein comprising, a longitudinally extending housing provided with an upper bore of certain diameter at the upper end thereof for receiving said quill and a lower bore of less diameter therebelow for rotatably receiving said spindle, means for securing said housing to said quill, said housing provided with a recess spaced downwardly from said lower bore

and extending upwardly from the lower end thereof and a cover plate secured to said housing over and closing said recess, a drive shaft rotatable in said housing on the longitudinal axes of said upper and lower bores between said recess and lower bore having an upper portion for extending upwardly into the bore of the spindle, means securing the upper portion of said drive shaft in the bore of the spindle, a toothed member in the recess of the housing secured to the lower end of said drive shaft, a tool shaft rotatable in said housing on an axis at right angles to the longitudinal axis of said drive shaft having a toothed member fixed to the inner end thereof disposed in said recess and in engagement with the toothed member on the drive shaft, an outer end of said tool shaft for a tool extending outwardly beyond one side of said housing.

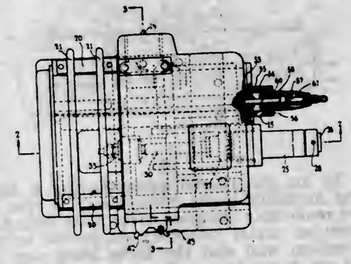
2,493,474
GENERATOR BURNER WITH SNAP ACTION CONTROL
James L. Breese, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application May 8, 1944, Serial No. 534,558
7 Claims. (Cl. 158—38)



1. In a fuel supply tank system for vaporizing type burners, a vaporizing chamber, an air inlet duct extending from the upper portion of the chamber downwardly below the level of fuel in said chamber, a vapor outlet therefor, a fuel inlet chamber, a fuel inlet duct extending thereto, partition means between the two chambers adapted and disposed to permit air communication between the two chambers above the level of the fuel therein, and to maintain liquid communication between the two chambers while shielding the liquid fuel in the fuel inlet chamber from generating combustion taking place in the vaporizing chamber, a movable valve member mounted in the fuel inlet and controlling the flow of fuel to the fuel inlet chamber, and means responsive to variation in the common level of the liquid fuel in the two chambers for moving said valve member.

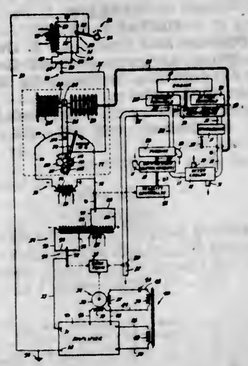
2,493,475
MACHINE TOOL
Secondo L. Casella, Robert Kurswell, and Juventino Jose Pesqueira, New York, N. Y., assignors to Morey Machinery Co., Inc., New York, N. Y., a corporation of New York
Application June 1, 1945, Serial No. 597,140
5 Claims. (Cl. 82—31)

1. In a lathe having a bed, a carriage longitudinally movable on the bed, a tailstock transversely movable on the carriage, a cylinder on the carriage, a piston in the cylinder, means to connect the piston to the tailstock, a cylinder on the tailstock, a tailstock center fixed to the last-mentioned cylinder, a second piston in the second cylinder, means to connect the second piston to the tailstock, a clamp for clamping the tailstock to the carriage, a third cylinder on the carriage, a third piston in the third cylinder, means to connect the third piston to the locking means, and means to first supply liquid under pressure to one



side of the piston in the first cylinder to move the tailstock to a position where the tailstock center will become aligned with the axis of the lathe, then pump liquid under pressure to one side of the piston in the second cylinder to move the tailstock center into engagement with a work piece, and then supply liquid to one side of the piston in the third cylinder, to lock the locking means.

2,493,476
CONTROL APPARATUS
Stephen Crum, Minneapolis, and Harry W. Sandhoff, St. Louis Park, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 30, 1945, Serial No. 591,156
21 Claims. (Cl. 230—5)



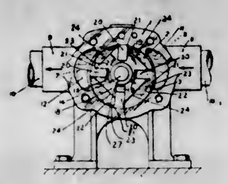
1. An electrical system for controlling a variable condition, comprising in combination, electrical means for varying the condition, an electrical network controlling said means and said means being responsive to an unbalance in said network to vary the condition, a controller forming a part of said network and responsive to a change in the condition to unbalance the network and initiate the correction of the condition, and means in said controller responsive to a rapid rate of change of the condition in one direction for momentarily unbalancing the network to a magnitude greater than that resulting from a corresponding change in the condition at a relatively slower rate or in the opposite direction.

2,493,477
EDUCATIONAL GAME
John E. De Baun, Upper Saddle River, N. J.
Application January 10, 1948, Serial No. 1,614
5 Claims. (Cl. 35—35)



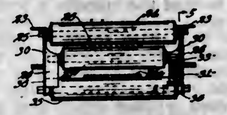
1. In an educational game having a hollow casing including a flat bottom wall, a rear wall and a removably mounted cover plate with a row of circular plates rotatively supported between the bottom wall and the cover plate and provided on their faces adjacent the cover plate with circular rows of indicia visible through openings formed in the cover plate in the various rotative positions of the plates, means contained entirely within the casing for locking the plates in desired rotative positions in which desired indicia will be aligned with the openings, comprising a floating rack bar in the casing between the rear wall and the adjacent sides of the plates to move longitudinally and laterally of the casing, rack teeth formed about the periphery of the plates, and spaced sets of rack teeth one set for each of the plates formed along the edge portion of said rack bar adjacent the plates and engageable with the rack teeth of the plates in certain longitudinal shifted positions of said rack bar to retain the plates against accidental movement.

2,493,478
ROTARY PUMP
Laurits Dinesen and Lawrence J. Olson, Minneapolis, Minn., assignors to Perfection Manufacturing Corporation, Minneapolis, Minn., a corporation of Minnesota
Application February 24, 1948, Serial No. 10,534
2 Claims. (Cl. 103—136)



1. In a device of the class described, a housing having a cylindrical pump chamber therein, circumferentially-spaced inlet and outlet passages leading respectively to and from said chamber, a rotor journalled in said housing and eccentrically positioned within said chamber, a plurality of circumferentially-spaced radially outwardly-opening channels in said rotor, and a vane loosely mounted in each of said channels for radial sliding movements, the peripheral surfaces of said rotor intermediate said channels being flat, the rear walls of said channels with respect to the direction of rotation of the rotor being higher than the front walls thereof.

2,493,479
LIVE ROLLER CONVEYER
Ira Smith Eggleston, St. Paul, Minn., assignor to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota
Application July 29, 1946, Serial No. 686,885
3 Claims. (Cl. 198—127)



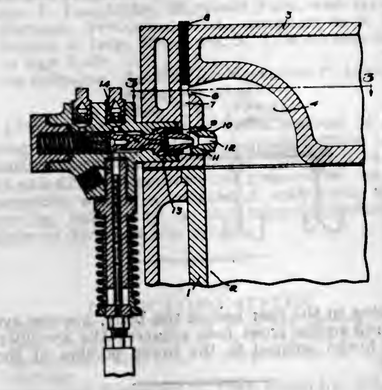
1. A conveyor comprising, side rails, an axial support for a roller mounted on said rails, a load carrying roller mounted on said support, hangers depending from said support near the ends of the roller respectively, a pressure roller disposed beneath the load supporting roller, resilient means supporting the pressure roller on said hangers and permitting movement of the pressure roller to and from the load carrying roller and a driving belt held under compression in the bight of said rollers.

2,493,480
IMPLEMENT FOR APPLYING COATINGS
Robert S. Elsner, Red Bank, N. J., assignor to Hanlon & Goodman Co., Belleville, N. J., a corporation of New York
Application November 18, 1948, Serial No. 60,670
6 Claims. (Cl. 15—128)



1. An implement for applying liquid coating materials supplied thereto under pressure, which comprises a rigid elongated stem having a passage extending lengthwise thereof, the passage having an inlet and an outlet near opposite ends of the stem, a valve mounted on the stem near the inlet and operable to control flow through the passage, the valve having an operating member exposed at the side of the stem, a brush at the end of the stem adjacent the outlet, the brush including a handle having a passage through it, a body of bristles secured to one end of the handle, and hollow distributing means attached to said end of the handle within the body of bristles with its interior in communication with the handle passage, adjustable means rigidly attached to the stem for securing the brush handle to the stem to extend at a selected angle thereto, and a flexible hose connection between the outlet of the stem passage and the handle passage.

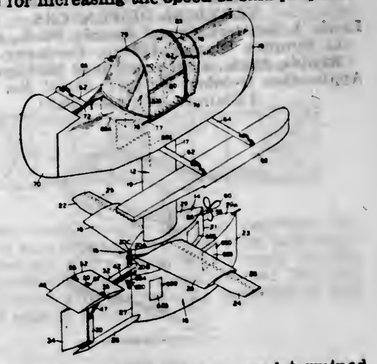
2,493,481
INTERNAL-COMBUSTION ENGINE
William V. Falcon, Revere, Mass.
Application January 2, 1947, Serial No. 719,860
1 Claim. (Cl. 123—32)



In an internal combustion engine, a cylinder block containing a piston, a cylinder head having a combustion chamber, a fuel injection valve and a cooperating fuel and air nozzle in one of said parts, said valve and nozzle having an annular space between them, said nozzle opening into one side of said combustion chamber near its bottom in a direction at right angles to the axis of said piston and in close proximity to the top of said piston in the upper position of the latter, said cylinder head being provided with a restricted passage externally of said combustion space and leading from the top of said combustion space at a point remote from said piston in any position of the latter, and to the said annular space between the said valve and nozzle whereby heated air is drawn from the top of the combustion space through the restricted passage and annular space between the jet and nozzle and out through the nozzle and into the lower part of the combustion chamber by fuel injected from the valve through the nozzle, said air being mixed with the fuel as the fuel and air pass through the said annular space and said nozzle, and the finer particles of said fuel and air mixture tending to rise to the top of said combustion chamber.

2,493,482
AQUATIC DEVICE
Franklin A. Fish, Gananoque, Ontario, Canada, assignor to Link Manufacturing Company, Ltd., Gananoque, Ontario, Canada, a corporation of Canada
Application August 10, 1944, Serial No. 548,894
5 Claims. (Cl. 35—12)

2. In an aquatic device of the character described the combination of a cockpit having a seat for an operator, a depending member for supporting said cockpit, a marine propeller held by said depending member a substantial distance below said cockpit, a throttle lever positioned to be operable by an operator in said seat, means interconnecting said lever and propeller for normally increasing the speed of said propeller by a movement of said throttle lever in a given direction, and means forming a part of said interconnecting means responsive to the climbing angle of said cockpit for rendering said throttle lever ineffective for increasing the speed of said propeller

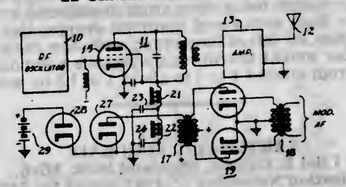


whenever said cockpit assumes a predetermined climbing angle.

2,493,483
MARINE ENGINE LUBRICANT
Charles E. Francis and Robert C. Jones, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 26, 1948, Serial No. 23,401
4 Claims. (Cl. 252—33.4)

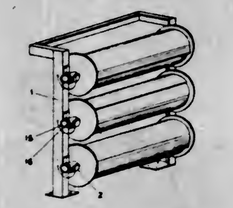
1. A marine engine lubricant capable of forming stable emulsions when in contact with an aqueous medium comprising from 0.05 to 1% of a glyoxalidine selected from the group consisting of hydroxy alkyl- and amino alkyl-substituted glyoxalidines; from 0.01 to 1% of a metal sulfonate selected from the group consisting of an alkali and alkaline earth metal salt of an organic sulfonic acid, the organic radical thereof being selected from the group consisting of petroleum hydrocarbon and alkyl-substituted aromatic hydrocarbon radicals; from 0.05 to 1% of a partial ester of a polyhydric alcohol and a higher fatty acid having at least 10 carbon atoms, said ester having at least one free hydroxy group; from 0.1 to 5% of a fixed fatty oil and the balance being mineral oil.

2,493,484
RADIO TRANSMITTING SYSTEM
Laurence W. Franklin, Hasbrouck Heights, N. J.
Application April 9, 1947, Serial No. 740,414
11 Claims. (Cl. 332—38)



1. A radio transmitting system comprising a source of carrier current, a modulating stage connected thereto, a power supply for said stage, means for impressing a modulating signal wave on said modulating stage and means including a rectifier connected to said means and said power supply for preventing carrier cut-off on negative modulation peaks exceeding the voltage of the power supply.

2,493,485
ROLLER MOUNTING FOR VERTICAL DISPENSERS
Lewis A. Geistert, Grand Rapids, Mich., assignor to Simplex Display Fixture Company, Grand Rapids, Mich., a corporation of Michigan
Application October 14, 1947, Serial No. 779,777
4 Claims. (Cl. 242—55.3)



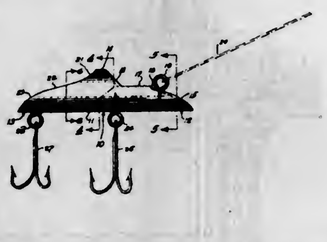
1. In a dry goods dispenser having a frame, a roll supporting shaft and means rotatably supporting said shaft on said frame comprising: a hook-shaped housing open at its upper side supported on said frame, said hook extending perpendicularly therefrom; a pair of semi-circular spaced rails mounted on said housing within said hook, each at a right angle to said frame and having openings therein spaced unequally away from the vertical centerline of said shaft, the opening nearest the frame being closest to the said housing centerline; a pair of elongated bearings mounted in said openings; said roll supporting shaft being seated upon said bearings and adapted for free rotation; means on one end of said shaft for selectively holding said shaft against rotation.

2,493,486
TALL OIL ESTERS
Sylvan Owen Greenlee, Louisville, Ky., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky., a corperation of New York
No Drawing. Application April 10, 1946, Serial No. 661,061
4 Claims. (Cl. 260—18)

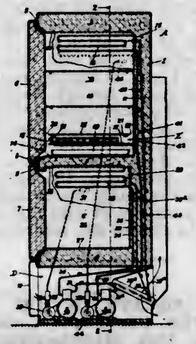
1. A synthetic drying composition consisting essentially of tall oil esters of a high molecular weight resinous polymeric polyhydric alcohol having an average of more than five esterifiable groups per molecule, said resinous polymeric polyhydric alcohol being a polyether derivative of a dihydric phenol having alternating aliphatic chains and aromatic nuclei united through ether oxygen and being free from functional groups other than epoxy and hydroxyl groups, the proportions of tall oil combined with the high molecular weight polymeric polyhydric alcohols being from about 1.7 to 1 to about 1 to 1.8 by weight.

2,493,487
ARTIFICIAL FISH BAIT
Clel L. Grimm, Highland Park, Mich.
Application November 22, 1947, Serial No. 787,576
1 Claim. (Cl. 43—42.48)

An artificial fish bait comprising an elongated body the lower portion of which is a portion of a cylinder in cross section and is straight from end to end, the front end thereof having its face of concave formation transversely and convex longitudinally, the upper portion of said face providing a substantially vertical wall, a section of the body adjacent said wall being flat and extending rearwardly toward the mid-portion of said body, a section of the body at the mid-portion being wider in extent than the portion having the flat wall and having a front convex face and a rear curved face, the latter face being in the form of an ogee curve in longitudinal elevation and extending to the rear end of the body, a screw eye secured to the front face adjacent the shoulder, and hooks secured to the lower portion of the body.



2,493,488
TWO TEMPERATURE REFRIGERATOR, INCLUDING A HUMIDITY CONTROL SYSTEM
Wayne D. Jordan, Chicago, and Paul D. Van Vliet, Galesburg, Ill., assignors to Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application March 21, 1945, Serial No. 583,924
8 Claims. (Cl. 62—116)

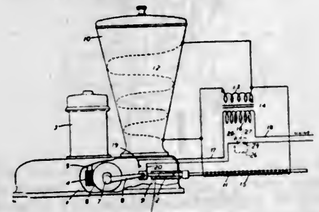


1. In a domestic refrigerator having two storage chambers thermally insulated from each other and from the outside, a single work chamber, two independent refrigerant condensing units in said work chamber, common means for maintaining a cooling circulation of air past both said condensing units, an evaporator effective in each storage chamber, two independent refrigerant circuits each including one of said evaporators and one of said condensing units, and an ice freezing evaporator, in one of said storage compartments, in series with one of said first mentioned evaporators.

2,493,489
METHODS OF CONVERTING MANNOSIDOSTREPTOMYCIN AND DIHYDROMANNOSIDOSTREPTOMYCIN INTO STREPTOMYCIN AND DIHYDROSTREPTOMYCIN, RESPECTIVELY
Asger F. Langlykke, Highland Park, and David Perlman, Princeton, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application November 27, 1948, Serial No. 62,415
6 Claims. (Cl. 195—31)

1. The method of converting a member of the group consisting of mannosidostreptomycin and dihydromannosidostreptomycin into streptomycin and dihydrostreptomycin, respectively, which comprises adding a member of said group to a growing culture of a streptomycin-producing strain of *Streptomyces griseus*.

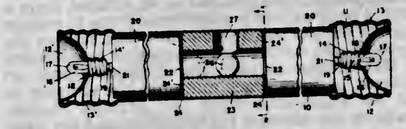
2,493,490
LUBRICATING SYSTEM
Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain
Application November 22, 1944, Serial No. 564,681
In Great Britain December 6, 1943
6 Claims. (Cl. 184—104)



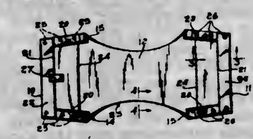
1. A lubricating system adapted to the use of grease having a consistency normally too heavy to flow freely and comprising, in combination, a grease container for holding a supply of said grease, a pipe through which grease from the container is dispensed, a mechanism including a pump for forcing grease from the container and through the pipe, heating elements for applying heat to the inner surface of the container to radiate heat inwardly from the surface of the container, and means intermittently and periodically operated and timed by said mechanism for periodically heating said heating elements during the operation of said mechanism, the heating periods of the heating elements being so related to the rate of forcing grease from said container by the mechanism that only portions of the grease adjacent the surface of the container are sequentially heated.

2,493,491
ELECTRIC LAMP
Paul H. MacMahon, Alexandria, Va.
Application August 2, 1946, Serial No. 687,868
4 Claims. (Cl. 240—10.6)

2. An electric lamp of the flash-light type comprising a one-piece metallic tube of cylindrical cross-section, a filament lamp bulb mounted in each of the opposite ends of said tube, each said lamp bulb having a peripheral terminal in electrical connection and a central terminal out of electrical connection with said tube, two dry cells disposed in axial alignment in said tube with their positive terminals in direct electrical contact with the central terminals of said lamp bulbs and their negative terminals in opposed spaced relation, a metal runway concentric with and in direct electrical contact with the interior wall of said tube between said opposed negative terminals of said cells and insulated from said negative terminals, and a metallic ball freely rollable on a curvilinear surface of said runway into and out of contact with the negative terminals of said opposed cells in alternation.

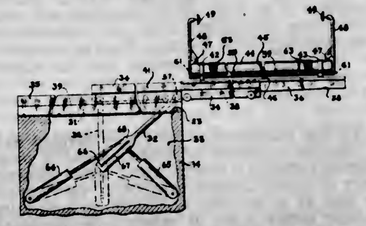


2,493,492
BABY MOISTUREPROOF DIAPER PROTECTOR
Tessie Malamut, Brooklyn, N. Y.
Application August 14, 1948, Serial No. 44,260
1 Claim. (Cl. 128—287)



A diaper protector having a crotch-engaging central section and two end sections one for extending across the front of an infant's body and the other for extending across the back of such body, said structure including an outer ply of water absorbent material and an inner ply of waterproof material, said inner ply attached to the outer ply only near the ends of the garment, said outer ply having seamed inner facings at said end sections, said waterproof ply being secured to the outer ply by the same stitchings which establish said facings, said waterproof ply having transversely extending pleats, each pleat secured only at its opposite ends and there secured by said stitchings, and a tab of absorbent material overlying the waterproof ply at one of said sections, said tab stitched all around the same to both plies.

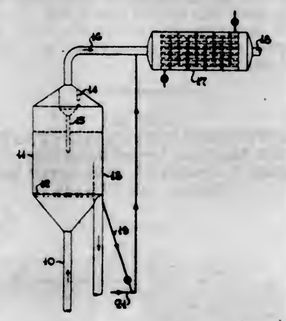
2,493,493
AUTOMOBILE PARKING SYSTEM
Frank Mariano, Long Island City, N. Y.
Application November 15, 1946, Serial No. 709,959
5 Claims. (Cl. 214—16.1)



5. In an automobile parking arrangement, a building structure having a section adapted to

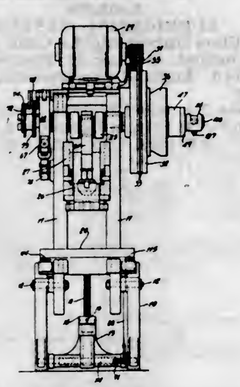
permit vertical travel on elevators and a section to one side of the first section adapted to receive and store automobiles, an elevator disposed in said first section for vertical travel adapted to receive an automobile and be elevated to a parking section, car handling mechanism upon the elevator including arms adapted to be rotated from a vertical position to a horizontal position to engage opposite ends of the automobile positioned on the elevator, said mechanism adapted to be extended off the elevator to push the automobile into an adjacent parking space and onto the elevator to pull an automobile from the parking section, means on the elevator for actuating said car handling mechanism, said car handling mechanism including means for operating said arms, said arm operating means comprising a cylinder device extended longitudinally of the elevator and journalled thereto for rotation about its axis, said arms being connected to the opposite ends of the cylinder device whereby as the cylinder device is rotated it swings said arms from a vertical position to a horizontal position or vice versa, and an operating arm connected to the cylinder device for rotating the same, said cylinder device having rods connected to the exterior of it and adapted for longitudinal movement therealong, said arms for contacting the automobile ends being pivotally connected to the ends of the cylinder device for rotation about a transverse axis, said rods connected with the arms to pivot the same, and actuating means cooperating with the inner ends of the rods to effect their outward actuation when the arms have been swung to their horizontal position whereby to tighten the arms upon the ends of the automobile, said rods having a spring means in their connection with the arms whereby a yielding pressure will be applied upon the automobile ends thereby to protect the car and prevent breakage of said rods and said arms.

2,493,494
HEAT RECOVERY IN A FLUIDIZED CATALYST REGENERATION
Homer Z. Martin, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 11, 1945, Serial No. 587,649
2 Claims. (Cl. 252—417)



1. In the regeneration of finely divided catalyst wherein a stream of oxidizing gas is passed upwardly through a regenerating zone containing a body of finely divided catalyst of varying particle size at a velocity adjusted to maintain a relatively dense layer of catalyst in the bottom portion of said regenerator and a stream of hot, spent regeneration gas containing a small amount of entrained catalyst powder is removed from the upper portion of said regenerator and passed through a heat exchanger to recover heat therefrom; the improvement which comprises withdrawing a small stream of relatively coarser catalyst from the bottom portion of said regenerator and injecting said stream of coarser catalyst into the gas stream containing said entrained catalyst prior to passing to said heat exchanger in an amount sufficient to prevent accumulation of the fine entrained powder on the surface of said heat exchanger.

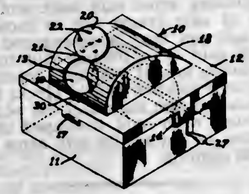
2,493,495
CLUTCH AND BRAKE MECHANISM FOR PRESSES
Thomas Lestier May, New York, N. Y., assignor, by mesne assignments, to Reliance Hydraulic Press, Inc., New York, N. Y., a corporation of New York
Application December 30, 1944, Serial No. 570,621
2 Claims. (Cl. 192—17)



1. A punch press comprising a rotatable crank shaft, a flywheel journalled on said shaft, means for clutching and declutching said flywheel and crank shaft, a hydraulic motor for actuating said means, a brake mechanism for said crank shaft, means including a hydraulic motor for actuating said brake mechanism, and means including cam members rotatable with said crank shaft for regulating flow of hydraulic fluid to and from said hydraulic motors, each cam member having a high section and a low section, a pivoted lever associated with each cam member and provided with a cam follower, means biasing said levers and cam followers toward said cam members, and means including a pedal for rotating said levers contrary to said biasing means.

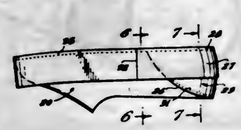
2,493,496
FOOD GRATER HAVING ROTARY DRUM
Robert McCoy, New York, N. Y.
Application November 14, 1945, Serial No. 628,402
3 Claims. (Cl. 146—177)

1. In a food grater having a box formed with spaced end walls and an open top and enclosing a grating member mounted on a crankshaft which is longer than the distance between the end walls and a pivotally mounted cover for closing the open top, the end walls being formed with aligned L-shaped slots, each of said L-shaped slots having a vertical arm opening through the top edge of the respective side wall and which continues at its bottom end into a horizontal arm, whereby the grating member can be rotatively supported between the end walls by first passing the ends of the crankshaft downward through said vertical arms and then horizontally rearward to the



rear ends of said horizontal arms, and means on the cover engaging the ends of the crankshaft in the closed position of the cover for rotatively retaining the crankshaft in position between the rear ends of the horizontal arms of said L-shaped slots.

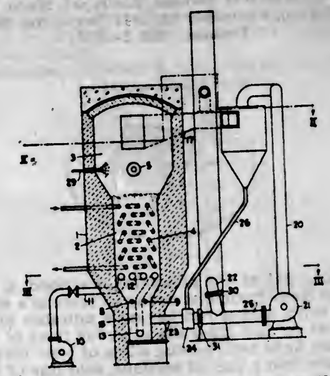
2,493,497
METHOD OF MAKING SLIP-LASTED SHOES WITH A COUNTER COVER ELEMENT
Jack Meltzer, New York, N. Y.
Application August 10, 1948, Serial No. 43,420
7 Claims. (Cl. 12—142)



1. In the herein-described method of making a slip-lasted shoe, the steps which consist in stitching a full-length sock lining to an upper throughout the full extent of the upper's lower edge, separately stitching a platform cover to the lower edge of a rear counter-covering element, stitching said element to said upper in the heel region of the shoe but only along the side and top edges of the element, inserting a pre-formed flanged counter into the space beneath said element, then applying the assembly to a last and while it is on said last applying a platform and covering its edge with said platform cover.

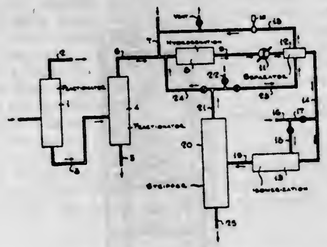
2,493,498
HEATING METHOD AND APPARATUS
Norman E. Peery, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 25, 1946, Serial No. 705,660
12 Claims. (Cl. 263—43)

2. An apparatus of the class described comprising a furnace structure having inner walls of refractory material defining a lower combustion zone and an upper disengaging zone, a bed of fluidized powdered inert refractory solid substantially filling said combustion zone, a coil or tube within said combustion zone provided with external connections for passing a fluid to be heated therethrough, an ancillary burner above said combustion zone in said disengaging zone, a conduit for combustion products connecting said disengaging zone with a dust separator, a conduit for gases provided with a blower connecting the gas outlet of said separator with said combustion zone near the bottom thereof and means for separately injecting a gaseous fuel and



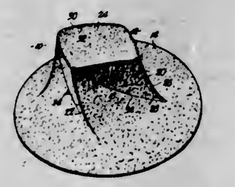
oxygen into said combustion zone near the bottom thereof.

2,493,499
PRETREATING HYDROCARBONS TO BE ISOMERIZED
Stephen F. Perry, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1946, Serial No. 718,922
2 Claims. (Cl. 260—683.5)



1. A process of isomerizing a light naphtha fraction containing olefins and aromatics in the presence of aluminum chloride deposited on alumina and a hydrogen halide promoter which comprises treating the light naphtha fraction in the vapor phase in a first step with excess hydrogen under a pressure not more than 50 atmospheres, and a catalyst consisting of 2% palladium on alumina to saturate the olefins and aromatics, condensing and cooling the hydrogenated light naphtha in the presence of the hydrogen and under the pressure to be used in a subsequent isomerization step to substantially saturate the hydrogenated light naphtha with hydrogen at the pressure of the subsequent isomerization step, whereby a portion of the hydrogen dissolves therein, separating undissolved hydrogen and recycling it to the hydrogenation step, subjecting the light naphtha fraction in a second step in the presence of the dissolved hydrogen to the isomerizing action of the aluminum chloride and hydrogen halide, stripping hydrogen halide and hydrogen from the isomerized product and recycling the said hydrogen halide to the isomerization step and recycling the said hydrogen to the hydrogenation step.

2,493,500
COLLAPSIBLE HAT
Elizabeth H. Rankin, Lawrence, Kans.
Application November 12, 1947, Serial No. 785,302
7 Claims. (Cl. 2—175)



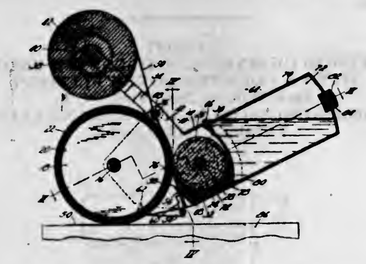
3. In a hat of the character described, a body formed from flexible material to present a crown and a brim, said crown having a plurality of side walls set off one from the other by lines of fold, said side walls each having a line of bend dividing the same into a pair of sections, said line of bend being disposed to render the said crown collapsible to a substantially flat condition when the crown is folded on said lines of fold and said lines of bend, said side walls merging at one edge thereof with said brim.

2,493,501
REVERSIBLE WINDOW
Gustav Reinmuller, Union City, N. J.
Application October 27, 1944, Serial No. 560,539
3 Claims. (Cl. 20—53)



1. A reversible window construction comprising a sash member formed with a rectangular opening for a window frame including a window pane, a U-shaped bracket having its back formed with an opening intermediate of its ends and extended along one side of said rectangular opening and its side arms extended along the adjacent sides of said rectangular opening, a hinge pivotally connecting the back of said U-shaped bracket to the material of said sash member at the adjacent side of said rectangular opening permitting said U-shaped bracket to be pivoted to extend the free ends of its side arms from said rectangular opening, a window frame including a window pane set into said rectangular opening and into said U-shaped bracket, blocks slidably mounted within openings formed in the sides of said frame adjacent the side arms of said brackets to move in a plane parallel to the plane of said frame, pivot pins rotatively engaging the free ends of the side arms of said U-shaped bracket and having their free ends extended into said openings of said frame and connected to said blocks for pivotally and slidably supporting said frame on said U-shaped bracket, and a pin extending from the side of said frame adjacent the back of said U-shaped bracket and engaging said opening of said back to hold said frame against pivoting when said back and the adjacent side of said frame are in facial contact, whereby said pin may be disengaged from said opening of said back freeing said frame to be pivoted relative to said U-shaped bracket by sliding said frame relative to said blocks in a direction to separate said back and the adjacent side of said frame after said U-shaped bracket has been pivoted to extend its side arms from said rectangular opening.

2,493,502
GUM TAPE APPLIER
William C. Renne, Jr., Kansas City, Mo.
Application January 7, 1947, Serial No. 720,666
9 Claims. (Cl. 216—29)



9. A gummed tape applier comprising a frame adapted to carry a roll of gummed tape, a pressure wheel rotatably carried by said frame, a resilient tire carried by said wheel whereby tape drawn from said roll is applied under pressure to any surface on which said pressure wheel is rolled, a moistening roller of resilient absorbent material rotatably carried by said frame engaging said tire and adapted to be driven thereby, whereby the gummed side of said tape is moistened, a handle member removably secured to said frame, said handle member comprising a water reservoir having a sealable filling opening and a cup portion extending beneath and partially encircling said moistening roller, a resilient porous pad contained in said cup and formed to contact said moistening roller about a portion of its periphery, said pad receiving water from said reservoir through an opening provided in the wall of said reservoir adjacent said pad, and a cutting blade pivotally carried at the lower edge of said frame and adapted to be moved into contact with said tape as it passes around said pressure wheel, whereby when said handle is manually moved toward the surface to which the tape is being applied, the back of said blade is moved into contact with said surface, and said blade is forced into contact with said tape, cutting it off at any desired length.

2,493,503
CLOTHESPIN
William C. Renne, Kansas City, Mo.
Application March 19, 1947, Serial No. 735,702
2 Claims. (Cl. 24—137)

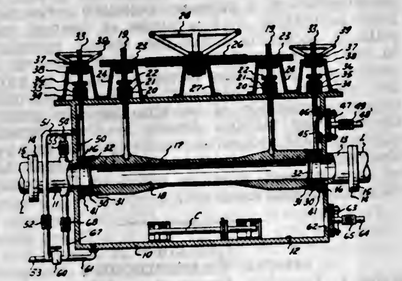
1. A clothespin comprising a strip of resilient material formed to present a planar loop with one

end portion thereof overlapping a portion adjacent the opposite end thereof to form inner and outer clamp member respectively, said clamp members being adapted to receive a clothesline clampingly therebetween, said strip being rebent



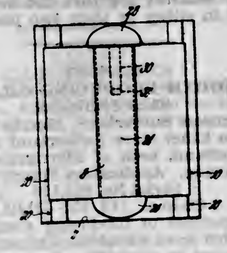
on itself at the free end of said inner clamp member to form a resilient arm disposed between said inner clamp member and the opposite side of said loop, the free end portion of said arm being adapted to engage the opposite side of said loop when said inner clamp member is compressed.

2,493,504
PIPE-LINE CLEANER LOADING AND CLEANOUT DEVICE
William H. Roberts, Dallas, Tex.
Application July 9, 1946, Serial No. 682,428
11 Claims. (Cl. 15—104.06)



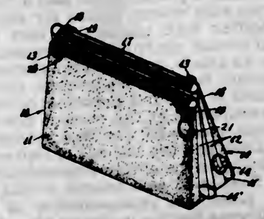
1. A pipe line cleaner loading and clean-out device including, a housing having a flow chamber therein with an inlet and an outlet adapted to be connected with a pipe line, tubular loading means movable in the chamber of the housing into and out of communication with the inlet and outlet, said housing chamber serving as a conductor for fluids from the inlet to the outlet thereof when said tubular loading means is moved out of alignment with said inlet and outlet, means for moving the loading means in said chamber, openable and closeable means in the housing spaced from the inlet and outlet and in a position providing access to the loading means when said loading means is out of alignment with the inlet and outlet of the housing to permit a cleaner element to be inserted therein while fluids are flowing through the housing chamber exteriorly of said loading means, said loading means being movable into communication with the inlet and outlet of the housing to permit the cleaner element to flow from the loading means into the pipe line to clean the same, and sealing means adjustable from exteriorly of the housing for sealing between the ends of the tubular loading means and the housing when said loading means is in alignment with the housing inlet and outlet and when said loading means is in alignment with said openable and closable access means and spaced from the inlet and outlet.

2,493,505
HANDLE CONSTRUCTION FOR SANDPAPER HOLDERS
Frank B. Schueller, Cincinnati, Ohio, assignor to Red Devil Tools, Irvington, N. J., a corporation of New Jersey
Application January 4, 1949, Serial No. 69,100
1 Claim. (Cl. 51—187)



The combination of the clamp member of a sand paper holder formed from yieldable sheet metal to have an upper flat portion and an intermediate elongated tubular expansible and contractable handle portion of a certain diameter with handle means comprising, an elongated barrel member in said handle portion having a head portion at one end thereof of relatively larger diameter than that of said handle portion closing and abutting one end thereof, an opposite end of said barrel member terminating at the other end of said handle portions and provided with an axial bore extending inwardly from said opposite end, and a head member having a shank extending into and secured in said bore and provided with a head portion of relatively larger diameter than that of said handle portion closing and abutting an opposite end thereof, all adapted and arranged whereby said barrel member is restrained against axial movement relative to said handle portion by said heads in abutment with opposite ends thereof and said head portions tend to prevent endwise slipping of the handle through the fingers of the hand when grasped thereby.

2,493,506
REVERSIBLE HANDBAG HAVING TWIN HANDBAG PORTIONS
Morris Schwartzbard, New Brunswick, N. J., assignor to K & K Leather Goods Co., Inc., New Brunswick, N. J.
Application June 30, 1947, Serial No. 758,037
3 Claims. (Cl. 150—28)



1. A reversible handbag having a pair of handbag parts each having a top opening and each having a side of one color and a side of another

color and positioned adjacent one another with their sides of like color contacting one another, means connecting the bag parts together to be pivoted through 180° with relation to each other to expose contacting sides, comprising a pair of rings, the bag parts being formed at their tops adjacent their ends with aligned holes through which said rings pass and with individual closure means for the respective top openings, and means releasably securing together the bottoms of the bag parts in either of their two positions.

2,493,507
METHOD OF PRODUCING GILSONITE SUSPENSIONS

Daniel Manson Sutherland, Morrisville, Pa., assignor to Ethel Mary Sutherland and Dorothy C. Sutherland, both of Morrisville, Pa.

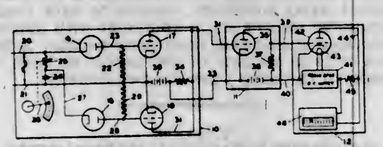
No Drawing. Application March 21, 1946, Serial No. 656,170
2 Claims. (Cl. 252—311.5)

1. The method of producing a suspension of finely divided hard particles of gilsonite in water which consists in subjecting finely divided hard particles of gilsonite to the action of a vacuum at a temperature below the melting point of said gilsonite particles, thereby substantially freeing the surfaces of said particles of air, subjecting water to the action of a vacuum thereby substantially removing all air, and mixing said particles and said water while excluding air during the mixing step.

2,493,508
TELEMETRIC APPARATUS

Gustave M. Thynell, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application July 18, 1944, Serial No. 545,501
1 Claim. (Cl. 177—351)

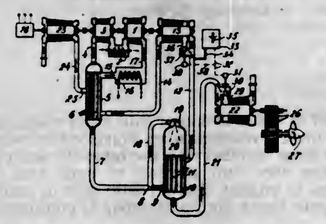


In a telemetering system for transmitting measurements of the value of a variable magnitude, a first circuit including a rectifier supplied from a source of alternating voltage, a second circuit including a phase shifter and a rectifier supplied from said source, means for adjusting said phase shifter with changes in said magnitude, first and second electronic devices each having a cathode, an anode, and a control electrode, means for applying between the control electrode and the cathode of said first electronic device a potential representative of the current flowing in said first circuit, means for applying between the control electrode and the cathode of said second electronic device a potential representative of the current flowing in said second circuit, means to produce potentials representative of the combined currents flowing in the anodes of said electronic devices, and impulse-duration-responsive apparatus including an instrument adapted to provide a measure governed solely by time intervals between changes in said produced potentials.

2,493,509
GAS TURBINE PLANT

Walter Traupel, Winterthur, Switzerland, assignor to Suisse Frères Société Anonyme, Winterthur, Switzerland

Application February 27, 1945, Serial No. 579,968
In Switzerland June 17, 1944
2 Claims. (Cl. 60—49)

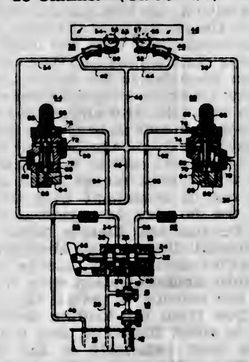


1. In a gas turbine plant having a circuit for working medium closed off from the atmosphere from which circuit a quantity of working medium is continually extracted and into which a substantially constant make-up quantity is continually introduced and which plant includes at least two turbines, one driven by the working medium flowing round in the circuit and the other driven by the quantity extracted from the circuit, the combination of a pressure actuated servo regulator adjustable over a range of control value settings including actuating means responsive to the approximately highest pressure of the circuit and regulating means arranged to adjust the manner of extraction of the substantially constant quantity of working medium passing through the turbine driven by the extracted quantity, said actuating means causing said regulating means to adjust to bring the actual value of that highest pressure equal to the control value set on said regulator.

2,493,510
POWER TRANSMISSION

Ralph L. Tweedale, Birmingham, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application April 8, 1947, Serial No. 740,160
13 Claims. (Cl. 90—22)



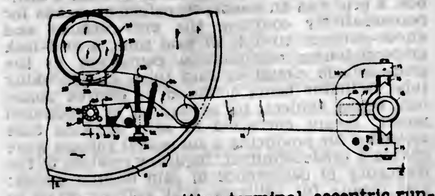
1. In a hydraulic power transmission system for driving a load device in either direction, the combination of a first fluid motor geared to the load device to drive the load device in one direction and be driven by the load device as a pump

in the opposite direction, a second fluid motor geared to the load device to drive the load device in the opposite direction and be driven by the load device as a pump in the one direction, a source of fluid pressure and means for directing fluid therefrom to either the first motor or the second motor, and a counter-balance valve for maintaining a back pressure against the motor being driven as a pump and taking up the backlash of the gearing.

2,493,511
DEVICE FOR CUTTING THE TERMINAL ECCENTRIC RUN-OUT GROOVE ON PHONOGRAPH RECORDS

Fred Van Eps, Plainfield, N. J.

Application January 22, 1948, Serial No. 3,763
8 Claims. (Cl. 33—27)

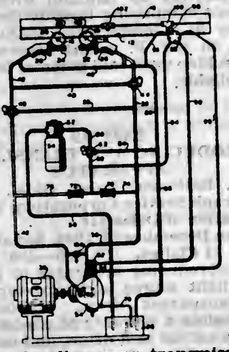


1. A device for cutting terminal, eccentric run-out grooves in records having previously cut sound tracks, said device comprising a turntable having a centering pin, an eccentric disc removably securable to said centering pin and rotatable therewith, said disc having a peripheral annular groove, an arm pivotally mounted at its outer end on a substantially vertical axis, a cutting needle carried at the inner end of said arm, a lever pivoted to said arm and carrying a follower at its free end engageable within said annular groove, and adjustable means for locating said follower a predetermined distance from said cutting needle at the end of the record sound track, whereby rotation of said turntable and eccentric disc will provide an eccentric run-out groove continuous with the sound track of the record.

2,493,512
POWER TRANSMISSION

Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application February 24, 1945, Serial No. 579,578
13 Claims. (Cl. 90—22)

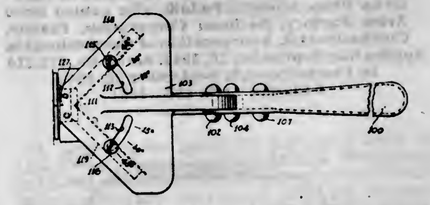


1. In a hydraulic power transmission system for driving a load device in either direction, the combination of a reversible, variable displacement pump and two fluid motors connected in a series circuit, individual gearing connecting each motor to the load device, a replenishing pump, valve means for selectively connecting the delivery of the replenishing pump to whichever side of the first pump is the intake at any time, and means establishing a pressure lower than replenishing pump delivery pressure in the series circuit at a point between the two motors.

2,493,513
GASKET CUTTER

William Wagner, Brooklyn, N. Y.

Application April 1, 1949, Serial No. 84,796
4 Claims. (Cl. 30—178)

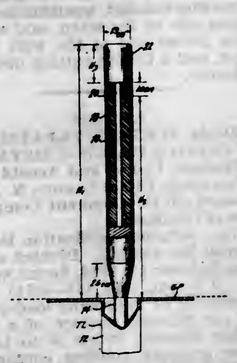


1. A notch cutter for gaskets and the like, said notch cutter comprising a pair of co-acting, pivotally connected handles, a pair of co-acting jaws on said handles, a pair of cutting blades adjustably mounted on one of said jaws in V-relationship toward each other, said blades being movable toward and away from each other to vary the angular distance between them, an anvil for said blades on the other of said jaws and guiding means for locating the gasket on the anvil relative to said blades.

2,493,514
MULTIPLY-RESONANT STUB ANTENNA

Robert S. Wehner, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 22, 1945, Serial No. 636,932
10 Claims. (Cl. 250—33)



3. A compound antenna for operation at a pair of widely separated frequencies including a large diameter radiator having energizing means coupled to one end of said radiator, said radiator having an overall length of a quarter wavelength

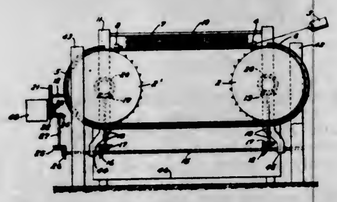
at the higher of said two frequencies, said radiator having a hollow portion at its other end and having an inner conductor therewithin connected at the inner end of said hollow portion, the depth of said hollow portion being electrically equivalent to one quarter wavelength at the higher of said frequencies and said inner conductor extending from said hollow portion a distance such that the electrical overall length of said antenna is substantially a quarter wavelength at the lower of said frequencies.

2,493,515

CONTINUOUS PATH GRIPPER SHUTTLE LOOM

Vilém Werner, Pisen, and Karel Kubelka, Blansko, Czechoslovakia, assignors of one-third to Zbrojovka Brno, Narodni Podnik, also named Brno Arms Factory, National Corporation, Prague, Czechoslovakia, a corporation of Czechoslovakia

Application September 20, 1947, Serial No. 775,210
In Czechoslovakia September 20, 1946
4 Claims. (Cl. 139—126)



1. In an automatic weaving loom the combination comprising a pair of rotating driving wheels having parallel axles distanced from each other by about the width of the warp, a flexible belt continuously driven by and around said wheels and through the shed in one direction in an endless path, the free ends of the said belt being apart for at least the width of the warp, a thread catcher attached to said belt, a stationary weft bobbin arranged outside the path of said belt, a feeder situated on one side of the warp supporting the end of the weft thread and cooperating with the moving catcher, a seizing device situated on the other side of the warp, said seizing device freeing the pulled end of the weft thread from the catcher, and a thread cutting device close behind the feeder.

2,493,516

CHEMICAL SURFACE TREATMENT OF FERROUS BEARING METALS

John C. Zimmer, Union, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application December 19, 1942, Serial No. 469,512. Divided and this application October 15, 1946, Serial No. 703,277
1 Claim. (Cl. 148—6.14)

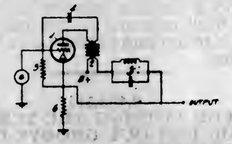
In the method of improving load-carrying capacity of the finished surface of a ferrous alloy machine element which is to be subjected to extreme pressure rubbing contact, the improvement consisting in chemically treating said surface with a boiling aqueous solution composed essentially of boric acid of approximately 5% concentration for a time period of from about 15 to 30 minutes, then removing the treated surface and drying the same.

2,493,517

BLOCKING OSCILLATOR

Alexander B. Applegarth, Jr., Dayton, Ohio

Application July 24, 1942, Serial No. 452,252
4 Claims. (Cl. 250—36)



1. In an electrical system employing time-spaced pulse signals: a blocking tube oscillator comprising a vacuum tube having at least a cathode, a grid and an anode, transformer means for regeneratively coupling the grid-cathode and anode-cathode circuits of said tube, a grid-leak grid-condenser combination connected in the grid-cathode circuit of said tube, said blocking tube oscillator being actuated by desired pulses but being subject to actuation by undesired pulses; means energized by said blocking tube oscillator for producing a sinusoidal voltage wave having a predetermined frequency relation to the frequency of occurrence of said desired pulses; and means for utilizing said voltage wave to decrease the responsiveness of said oscillator to the undesired pulses.

2,493,518

METHOD OF RECLAIMING VULCANIZED POLYMERS BY TREATMENT WITH METALLOID HYDRIDES

Francis P. Baldwin, Woodbridge, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 7, 1945, Serial No. 609,494
8 Claims. (Cl. 260—2.3)

1. In the process for reclaiming an elastic polymer prepared by the steps of cooling a mixture of isobutylene and a member of the class consisting of cyclopentadiene and a multiolefin having from 4 to 10 carbon atoms per molecule to a temperature within the range between −40° C. and −164° C., polymerizing the cooled mixture by the application thereto of a Friedel-Crafts catalyst in solution in an inert organic, non-complex forming solvent which is liquid at the polymerization temperature and curing the resulting polymer by reaction with sulfur, the improvement comprising heating the cured elastic polymer to a temperature within the range of 250° F. to 350° F. in the presence of added hydrogen sulfide until said polymer becomes plastic and millable.

2,493,519

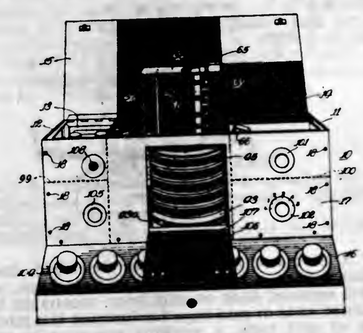
REPRODUCING AND TRANSLATING APPARATUS

Robert W. Baltosser, Tulsa, Okla., assignor to Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware

Application December 29, 1948, Serial No. 67,932
11 Claims. (Cl. 250—206)

1. In a reproducing apparatus of the type including a light source, a record-supporting rotatable transparent drum, photoelectric cell means including a plurality of photoelectric cells supportable within said drum, and output circuit means comprising individual electric signal amplifying means energizable respectively from

said cells, the combination of a cabinet enclosing said apparatus and including a wall forming a control panel, monitoring means in said cabinet including an indicating element on said panel, switch means on said panel for selectively associating said monitoring means with said individual amplifying means and with said light source, a plurality of attenuator means in said output circuit means for individually controlling the output signal level of said amplifying means, and means on said control panel for individually adjusting said attenuator means.



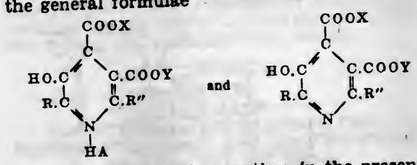
2,493,520

MANUFACTURE OF KETOTETRAHYDROPYRIDINE DERIVATIVES AND HYDROXYPYRIDINE DERIVATIVES

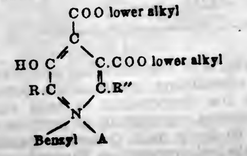
Franz Bergel and Aaron Cohen, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Original application April 8, 1943, Serial No. 482,324. Divided and this application August 23, 1944, Serial No. 550,855. In Eire and Great Britain March 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 9, 1962
3 Claims. (Cl. 260—295.5)

1. A process for the manufacture of compounds selected from the group consisting of those having the general formulae



which comprises hydrogenating, in the presence of a hydrogenation catalyst, a compound of the general formula



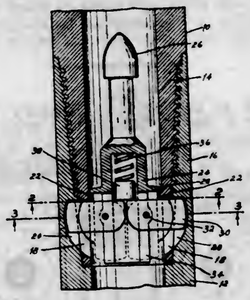
in which R is alkyl, R'' is hydrogen, X and Y are members selected from the group consisting of hydrogen and lower alkyl radicals, and A is an anion.

2,493,521

COUPLING DEVICE

James Allen Bermingham, Jr., Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application June 20, 1946, Serial No. 678,001
5 Claims. (Cl. 285—170)



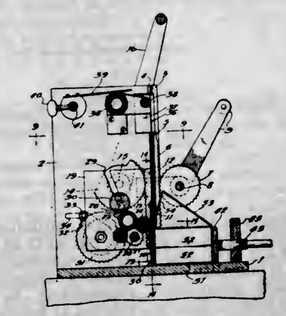
1. A device for positively locking a joint between two pipe members having overlapping threaded portions provided with recesses adapted to coincide when the joint is made up, comprising a body member adapted to be inserted lengthwise through said pipe to a point opposite the threaded portions of the pipe members, an arm pivoted to said body member and adapted to swing laterally thereof into the space formed by said recesses so as to lock said pipe members against unthreading, resilient means for normally biasing said arm to its lateral locking position and means on said body member whereby the device can be engaged and pulled from the pipe to unlock the joint, said arm being pulled inwardly out of said recesses against the action of said resilient means.

2,493,522

METHOD AND APPARATUS FOR APPLYING TRANSFERS

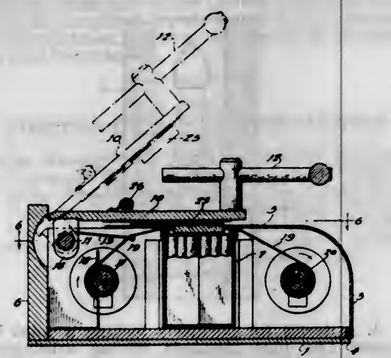
Kenneth H. Brownlee, Skokie, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois

Application January 17, 1945, Serial No. 573,250
5 Claims. (Cl. 154—99)



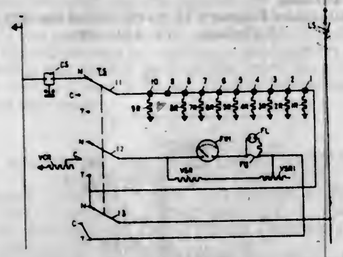
1. The method of applying transfers to articles within a container, which comprises inserting a sheet of transfers into said container adjacent the articles, and applying heat to said sheet to cause said transfers to leave said sheet and attach to said articles.

2,493,523
MACHINE FOR APPLYING TRANSFERS
Kenneth H. Brownlee, Skokie, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application March 6, 1946, Serial No. 652,429
1 Claim. (Cl. 41—1)



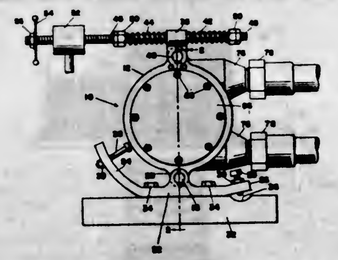
In a machine for applying transfers to groups of articles simultaneously, means for moving groups of transfers into applying position, a movable cover carrying a plurality of applying means, means operated by movement of said cover for moving said applying means into applying position, and means operable by movement of said cover after each of said applying means has performed an applying operation for moving additional groups of transfers into applying position.

2,493,524
APPARATUS FOR LOCATING OPEN CIRCUIT FAULTS IN ELECTRICAL CIRCUITS
William Henry Bruns, Lincolndale, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application February 10, 1945, Serial No. 577,257
9 Claims. (Cl. 177—311)



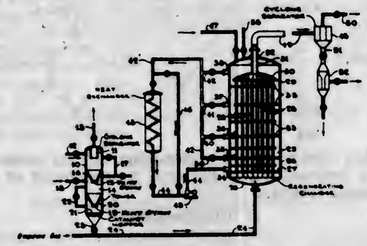
1. Apparatus for locating open circuit faults in an electric circuit in which a plurality of pairs of contacts are arranged in series relationship comprising; a plurality of impedances connected from a common connection respectively to spaced points in said circuit, there being at least one pair of contacts between each pair of adjacent points; and impedance measuring means connected in a test circuit extending through said first named circuit and said impedances in parallel on one side of the open circuit fault and through said common connection to provide a measure which indicates the location of said fault.

2,493,525
VARIABLE AND REVERSIBLE FLOW PUMP
Harry J. Bush, Wilmington, Del.
Application April 10, 1946, Serial No. 660,977
6 Claims. (Cl. 103—120)



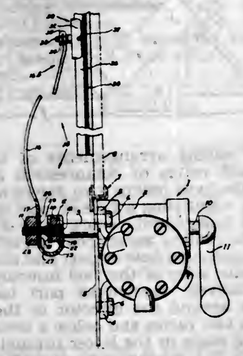
1. A device of the character described, comprising a base, a body pivoted on said base, upturned opposed ends on said base, means on the upturned ends of said base for limiting the movement of said body, a working chamber in said body, liquid inlet and outlet ports for the working chamber, a rotor mounted in said body, sectional vanes mounted in said rotor, spring elements acting on said vanes to displace the vanes outwardly to engage the walls of the working chamber and means for moving said body on its pivot to increase and decrease the clearance of the rotor with the said working chamber, whereby the volume and direction of flow of liquids through said body is changed depending upon the movement of said body to the right or left of the vertical plane of said body.

2,493,526
METHOD OF CONTROLLING THE TEMPERATURE IN A FLUIDIZED CATALYST REGENERATION PROCESS
Donald L. Campbell, Short Hills, and John M. Graham, Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Original application June 29, 1940, Serial No. 343,080. Divided and this application April 18, 1944, Serial No. 531,669
2 Claims. (Cl. 252—417)



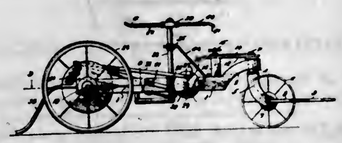
2. A method of regenerating powdered catalytic material containing combustible deposits which comprises the suspending of said catalyst in a gaseous stream containing oxygen in an amount sufficient to burn said deposits, passing the resultant catalyst suspension through an elongated unitary regeneration zone maintained at a temperature sufficient to burn deposits, passing a cooling medium in indirect heat exchange relation with the catalyst suspension in the regeneration zone and in a direction concurrent to the flow of said suspension to remove heat liberated during said regeneration, positively and progressively reducing the rate of heat removal from the suspension as it proceeds through the regeneration zone and the rate of burning of the suspension decreases by progressively withdrawing cooling medium throughout the length of the regeneration zone, the amount of cooling medium so withdrawn being controlled to prevent the temperature of the suspension being reduced, its passage through the regeneration zone.

2,493,527
WIPER DRIVE ARM
Leroy J. Carey, Cleveland, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application May 23, 1946, Serial No. 671,728
7 Claims. (Cl. 287—53)



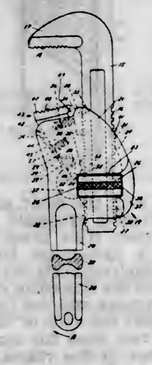
1. In a wiper drive arm, an arm member comprising a single piece of sheet metal having an open loop at one end, one portion of the loop having an opening adapted to receive a portion of a drive shaft for enabling mounting of the arm rigidly on such shaft, a spring portion of the loop in spaced relation to the first portion and extended to constitute a wiper-supporting spring arm, and attaching means constituting a wiper force regulating means operatively engaging the spring portion adjustably to force the spring portion toward the shaft-receiving portion.

2,493,528
SPRINKLER
Paul C. Crowder, Sahara Village, Utah
Application November 5, 1945, Serial No. 626,703
2 Claims. (Cl. 299—50)



1. In a sprinkler including a carriage having rear wheels carried by a tubular shaft rotatably mounted transversely of the carriage, and a pipe line leading from the tubular shaft, a valve interposed in the pipe line and normally closed, a latch for releasably holding the valve open, a threaded shaft rotatably mounted transversely of the carriage and rotated from the tubular shaft during forward movement of the carriage, and a member adapted to be shifted to an adjusted position along the threaded shaft and disposed in threaded engagement therewith and then moved longitudinally of the shaft by rotation of the threaded shaft into position for engaging the latch to move the latch to a releasing position permitting closing of the valve to shut off flow of water through said pipe line.

2,493,529
WRENCH FRAME MOUNTING A PIVOTED INNER JAW FULCRUMING ON A NUT ROTATABLE ON THREADED SHANK OF A SLIDING OUTER JAW
Ralph P. Davis, Squantum, Mass.
Application December 22, 1947, Serial No. 793,274
17 Claims. (Cl. 81—93)

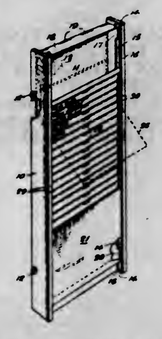


1. A wrench having, in combination: an outer jaw; a shank therefor; a frame having a longitudinal passage for receiving the shank and also having a second passage located forwardly of said longitudinal passage; an adjusting nut threaded on the shank and cooperable with the frame for effecting relative longitudinal movement between the shank and the frame; and an inner jaw member received by said frame second passage and fulcrumed on the adjusting nut for rocking movement with respect to the frame both toward and away from the shank.

2,493,530
CARD INDEX
William P. De Saussure, Englewood, N. J.
Application January 11, 1946, Serial No. 640,551
2 Claims. (Cl. 129—16)

1. A card-holder for a visible card-index in combination with cards disposed entirely within the frame of the holder so that no portion of any card is normally positioned at or in front of the face of the holder except a narrow visible index portion near the top of the card, said holder including a column of individual flat card-carrier strips whereof the front face of each strip is covered by the index portion of the card supported thereon, said card passing over said face and thence into the interior of the holder and behind the card supported on the carrier strip next below, said holder having side members rigidly secured to each other and provided in their respective inner faces with longitudinally extending grooves rectangular in cross section and wherein the ends of the carrier strips are received, each

end of each carrier strip having a pair of spaced rectangular ears substantially perpendicular to its face, each successive carrier strip in the column being supported on the ears of the carrier strip next below it, and said ears having a free fit in said grooves so as to permit a slight tilting of each carrier strip for nesting the cards without obscuring the index portion of any card, and characterized by this: that the side members of the frame of said holder each have a longitudinally extending inwardly facing ridge, these



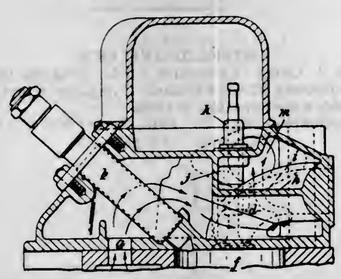
ridges forming with the front faces of said side members the grooves aforesaid and having recesses therein near their lower ends, and said holder having a detachable bottom plate the upper edge of which supports the column of card-carrier strips and the side edges of which are disposed in said grooves and are cut away at their lower ends so that the ends of the lower edge of said plate may rest upon the lower edges of the aforesaid recesses in the ridges, and means to retain the lower ends of the edge of said plate in engagement with the lower edges of said recesses.

2,493,531
NOVELTY GARMENT
Gerald E. Fitches, Salt Lake City, Utah
Application April 20, 1948, Serial No. 22,104
2 Claims. (Cl. 2—115)



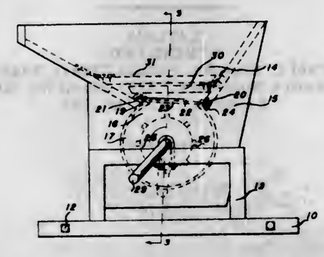
1. A garment comprising a body portion including a plurality of sections separable from each other on a line extending substantially diagonally of the body portion throughout the height thereof, said separating line having its length extending from and through the lower margin of the front panel diagonally upwardly through such panel over a shoulder and thence diagonally downward through the rear panel to and through the lower margin thereof to thereby present a pair of sections completely separable on such dividing line, and disengageably separable fastening means connecting the sections to each other and permitting replacement of one section by a corresponding section of a different ornamental appearance.

2,493,532
COOLING ARRANGEMENT OF COMPRESSION IGNITION INTERNAL-COMBUSTION ENGINES
William Foden and Edwin Twemlow, Sandbach, England, assignors to Fodens Limited, Sandbach, England, a British company
Application February 12, 1948, Serial No. 7,886
In Great Britain November 13, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 13, 1964
1 Claim. (Cl. 123—173)



Water cooling arrangements of the fuel injectors and valves of compression ignition engines of the type having two valves in the cylinder head, comprising a hole or port in the cylinder head immediately below each fuel injector so that the cooling water from the cylinder block rises through such hole or port and passes around the opposite sides of the fuel injector, there being a relatively constricted port leading from the space around the injector to the space between the two valves and below a horizontal partition, and ports in the latter through which the water rises to a passage-way extending from end to end of the cylinder head through which pass the valve guides, there being a single water offtake at the end of the passage-way.

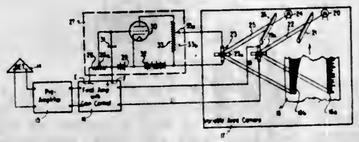
2,493,533
CYLINDER AND CONCAVE MEANS FOR SHELLING PEANUTS
Frank Funderburk, Thomasville, Ga.
Application February 20, 1946, Serial No. 648,899
3 Claims. (Cl. 146—13)



1. In a peanut shelling machine, the combination which comprises a stationary horizontally disposed perforated wall cylindrical basket having an elongated opening providing a throat in the upper surface and with the perforated wall extended from the throat at one side thereof positioned a greater distance from the center than

the wall extended from the opposite side of the throat, a rotor having spaced longitudinally extended beater bars on the surface positioned in said basket, a shaft extended longitudinally through the basket positioned on the center thereof and providing mounting means for the rotor whereby the rotor is positioned concentric to the basket, a hand crank on the outer end of the shaft, a hopper in which the basket is positioned having side walls spaced from the basket and having converging panels in the upper ends sloping toward the throat of the basket, and doors hinged to the sloping panels of the hopper and positioned to retain the basket in operative position in the hopper.

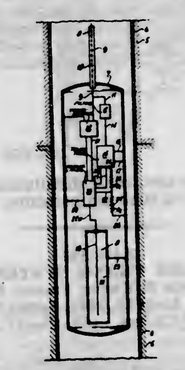
2,493,534
TESTING DEVICE FOR SEISMIC SIGNAL APPARATUS
James E. Hawkins, Tulsa, Okla., assignor to Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware
Application June 13, 1947, Serial No. 754,379
12 Claims. (Cl. 177—352.7)



1. The method of testing a seismic wave amplifier equipped with gain control facilities, which comprises generating a seismic wave train in the earth, detecting said wave train, distorting the relative amplitudes of the different components of said wave train, generating a signal representative of the degree of distortion of said different components of said wave train, synchronously recording said distorted wave train and said signal, synchronously reproducing said recorded wave train and said signal, varying the relative amplitudes of the components of said reproduced wave train in accordance with said reproduced signal, thereby substantially to eliminate the distortion of the relative amplitudes of the components of said wave train, impressing said reproduced wave train with the amplitude distortion eliminated therefrom upon said amplifier, and indicating the response of said amplifier to said wave train impressed thereon.

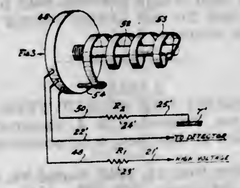
2,493,535
VOLTAGE CONTROL AND STABILIZING CIRCUITS
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 17, 1945, Serial No. 583,315
4 Claims. (Cl. 250—83.6)

1. The method of detecting radiation wherein an instrument capable of detecting radiations encounters regions of varying temperature which comprises impressing a direct current potential on an electrode of a radiation detector of the counter type to yield current pulses, as a result of radiations, and varying the potential impressed on the electrodes of said detector directly as a function of the temperature encoun-



tered by said detector, thereby maintaining the detector in effective operating condition.

2,493,536
VOLTAGE CONTROL AND STABILIZING CIRCUITS
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Original application March 17, 1945, Serial No. 583,315. Divided and this application January 29, 1949, Serial No. 73,571
5 Claims. (Cl. 250—83.6)

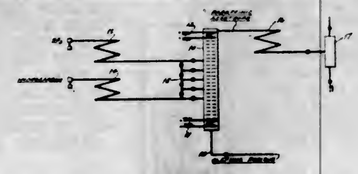


1. In apparatus for radioactivity well logging, an instrument housing containing a radiation detector of the counter type, a voltage divider and means for supplying a high direct current potential thereto, a tap on said voltage divider connected to an electrode of said detector, and means for varying the ratio of resistances in said voltage divider with changes in temperature whereby the potential applied to the detector electrode is varied to maintain effective operating conditions at varying temperatures.

2,493,537
AZEOTROPIC DISTILLATION OF HYDROCARBONS WITH SULFUR DIOXIDE
Howard V. Hess, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 23, 1948, Serial No. 16,506
3 Claims. (Cl. 202—42)

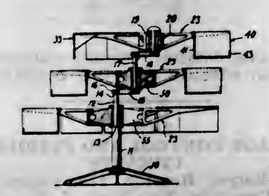
1. In the azeotropic distillation of hydrocarbon stocks consisting of paraffins and monoolefins with sulfur dioxide as the azeotrope former, the process that comprises separately heating the hydrocarbon and the sulfur dioxide prior to contacting, then contacting the heated hydro-

carbon and sulfur dioxide at a temperature above the temperature of polysulfone formation and



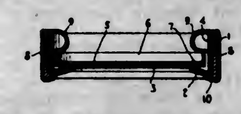
conducting the azeotropic distillation at temperatures in excess of such temperature.

2,493,538
CARD FILING SYSTEM
Sherman S. Karns, Fresno, Calif.
Application April 16, 1945, Serial No. 588,592
4 Claims. (Cl. 45—3)



1. A card filing system as described comprising a base, a vertical pivot thereon, a rotatable hub on said pivot, a frame on said hub, a plurality of spacer plates, and a plurality of interchangeable file boxes having flanges detachably mounted at the edge of said frame between said plates, said plates and said file box flanges having releasable interlocking means.

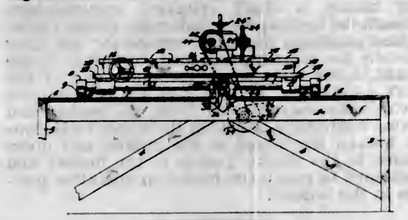
2,493,539
TARGET FOR PICKUP TUBES
Harold B. Law, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 13, 1946, Serial No. 676,391
5 Claims. (Cl. 250—164)



1. A target for cathode ray tubes comprising, a ring having a flange inclined away from its periphery, a planar fine mesh screen, a planar glass film resting on said screen and means clamping said film and screen against the edge of said flange.

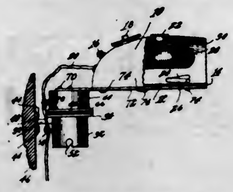
2,493,540
AUTOMATIC MACHINE FOR DECORATING GLASS
Adolph Marchand, Jackson Heights, N. Y.
Application April 17, 1946, Serial No. 662,687
3 Claims. (Cl. 51—72)

1. In an automatic machine for grinding glass, a frame, a trackway on the frame, a carriage on the trackway, a table, pivotal means between the carriage and the table whereby the latter may be tilted, a shaft adapted to carry a grinding element in register with the table, power means for imparting a step by step movement of the carriage relatively to said shaft, means for changing the tilt of the table intermediate said step by



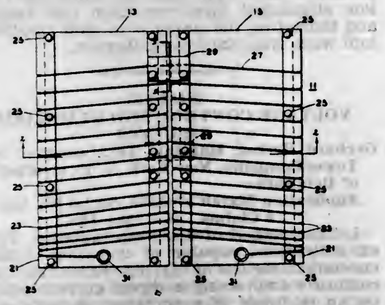
step movements, and means for increasing or decreasing the resistance of the table to said change in its tilt.

2,493,541
SUPPORT FOR ELECTRIC HEATING APPARATUS
Leonard Marano, Brooklyn, N. Y.
Application March 5, 1946, Serial No. 652,147
1 Claim. (Cl. 248—289)



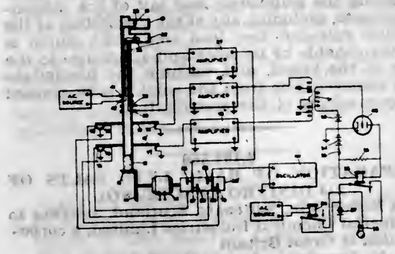
A device of the character described, comprising a cylindrical body, means on said body for suspending said body from a support, a cup-shaped member rotatably mounted on said body, parallel arms secured to said member, for supporting a housing thereon an annular grooved ring formed on said body at the center thereof and a grooved peripheral ring formed on said rotating member forming a ball race for balls.

2,493,542
ELECTRIC HEATING UNIT
Max McGraw, Chicago, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 29, 1947, Serial No. 764,487
3 Claims. (Cl. 201—73)



1. An electric heating unit comprising a sheet of electric-insulating material too thin to constitute the sole support of an electric resistor, a sheet of metal of light weight and large heat-transmitting characteristics, a relatively thick strip of electric-insulating material secured to said two sheets at each of two opposite edges thereof, recesses in the outer edges of said strips and a resistor member supported by said recesses in said strips extending across the outer surface of said sheet of electric-insulating material.

2,493,543
MONITORING SYSTEM OF COMPARATOR TYPE
Charles J. Merchant, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application September 8, 1947, Serial No. 772,815
4 Claims. (Cl. 250—200)



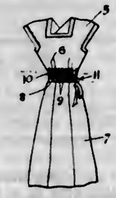
1. A monitoring system comprising: recording and reproducing means; means for scanning a field to derive a first set of signals varying in accordance with the field scanned; means for recording said signals on said recording means; means for subsequently scanning said field in the same manner used in said first-mentioned scanning to derive a second set of signals varying in accordance with the field scanned; means for recording said second set of signals on said recording means; and means for reproducing said recorded signals and for synchronously comparing the reproduced signals corresponding to said first-mentioned scanning and said reproduced signals corresponding to said subsequent scanning, thereby to detect any changes in said field between said scannings.

2,493,544
STABILIZATION OF XYLIDINE
John C. Munday, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1943, Serial No. 515,970
1 Claim. (Cl. 260—578)

The method of stabilizing commercial xylidine against discoloration during storage which consists in reacting carbon disulfide with a small portion thereof to form corresponding tetramethyl thiocarbanilide derivatives, recovering the latter in substantially pure crystalline form and adding the same in a concentration of about .01% to 3.0% to the large portion of xylidine to be stabilized.

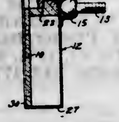
2,493,545
MIDRIFF ATTACHED GARMENT ENSEMBLE
Raymond J. Muyleart, Montreal, Quebec, Canada
Application March 17, 1948, Serial No. 15,202
1 Claim. (Cl. 2—70)

A midriff attached outer garment ensemble of the character described comprising upper and lower body covering garments adapted to be worn in spaced apart relation at the midriff of the wearer, said upper and lower garments being provided with complementary openings arranged about their adjacent marginal edges, the openings of said upper and lower garments being in separate substantially spaced apart horizontal



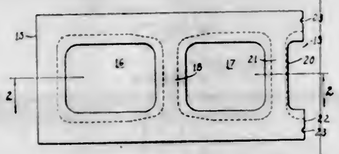
planes, and a lacing adapted to be alternately trained from one horizontal plane to the other through said complementary openings to interconnect said spaced apart garments at the midriff of the wearer, each of said openings in the upper garment being disposed in substantially vertical alignment with a complementary opening in the lower garment.

2,493,546
MULTIPLE VIEW SAFETY MIRROR
Harvey E. Orser, Pontiac, Mich.
Application March 24, 1948, Serial No. 16,723
2 Claims. (Cl. 88—87)



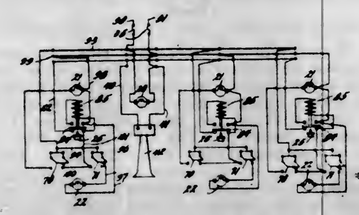
1. In a combination rear and side view mirror for motor vehicles, the combination which comprises a flat triangular shaped mirror having a base with a straight side, the length of which is less than that of the base, and having a hypothenuse connecting the ends of the base and side, a complementary flat triangular shaped mirror having a base, side and a hypothenuse corresponding with like elements of the former mirror, a rectangular shaped frame the sides and ends of which correspond with and receive the bases and sides of the mirrors, respectively, with the positions of the mirrors reversed whereby the meeting edges of the mirrors correspond with the hypothenuse of both of said mirrors, and one of said mirrors is positioned an acute angle in relation to the other with the sides of the mirrors in spaced parallel planes, and the displacement of the diagonal edge of one mirror in relation to the other varies with the distance increasing from one side of the mirror to the other, whereby with the mirror positioned on a windshield of a vehicle both of said mirrors reflect objects through a rear window of the vehicle and the angularly positioned mirror also reflects objects through windows at one side of the vehicle.

2,493,547
BUILDING BLOCK
Philip Paolella and Alfred Paolella, Hamden, Conn., assignors to Plasticrete Corporation, Hamden, Conn., a corporation of Connecticut
Application June 21, 1945, Serial No. 600,794
2 Claims. (Cl. 72—41)



1. A rectangular building block having two air-space cells of which one is substantially longer than the other and an upright transverse septum at the middle of the block separating said cells, the end of the block adjacent the longer cell being planar, and the opposite end having surfaces adjacent the sides of the block to serve as mortar-holding surfaces but being provided between said mortar-holding surfaces with a re-entrant vertically extending channel of substantial depth and width whereby a third air space of substantial capacity is provided when the block end is laid against the planar end of an adjacent block, said channel being separated from the shorter cell by a transverse septum similar to said first septum, the surfaces defining said cells having curves or fillets where the side walls of the block join said middle septum and having tapers continuing from said curves or fillets through a substantial part of the cell length, each of said tapers being at a slight angle to the longitudinal axis of the block so as to provide in this region a gradual reduction in the side wall thickness.

2,493,548
BOILER LEVEL ALARM SYSTEM
William E. Proctor, Baltimore, Md.
Application May 27, 1946, Serial No. 672,574
3 Claims. (Cl. 177—311)



1. In combination, a pair of visual signals one to indicate a departure on one side of a chosen range, and the other visual signal to indicate a departure on the other side of said chosen range, a third signal adapted to call attention to the lighting of one of the visual signals, two pressure operated switches, each having two pairs of contacts, one pair of contacts operating the associated visual signal, the other pair of contacts operating the common third signal, said other pair of contacts which operate the third signal being in parallel with each other, manual means to render the third signal inoperative, without extinguishing the visual signal, and means for restoring the manual means to initial position upon the extinguishing of the visual signal.

2,493,549
PREPARATION OF BASIC LEAD SALTS OF 2:4 DINITRO RESORCINOL
Leon Rubenstein, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 8, 1947, Serial No. 759,703
In Great Britain September 4, 1946
6 Claims. (Cl. 260—435)

6. A process for the production of a substantially monobasic lead salt of 2:4 dinitroresorcinol in which are included the steps of forming a precipitate of this lead salt in a glass vessel by reacting a solution of a soluble normal lead salt with an alkaline solution of 2:4 dinitroresorcinol at a raised temperature, gradually adding a small amount of a dilute solution of an acid, the lead salt of which is soluble, decanting the liquor, removing the monobasic lead salt of 2:4 dinitroresorcinate, excluding any of the precipitate of the inactive nitrogen free lead compound which is distinguishable by its color and adherence to the base of the vessel, and washing the precipitate thus removed free from the soluble salts formed as by-products of the precipitation.

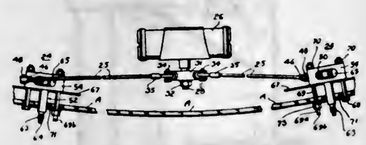
2,493,550
PREPARATION OF BASIC LEAD SALTS OF 2:4 DINITRO RESORCINOL
Leon Rubenstein, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 8, 1947, Serial No. 759,704
In Great Britain September 4, 1946
4 Claims. (Cl. 260—435)

1. A process for the production of a substantially monobasic lead salt of 2:4 dinitroresorcinol in which are included the steps of forming a precipitate of this lead salt by reacting at a raised temperature a solution of a soluble normal lead salt with a solution of 2:4 dinitroresorcinol in an aqueous solution of an inorganic water soluble base wherein the amount of soluble normal lead salt used is substantially that calculated to yield the monobasic lead salt of 2:4 dinitroresorcinol and which comprises employing in said aqueous solution a quantity of the inorganic water soluble base from about 75 to 95 per cent of the quantity calculated for the monobasic salt and carrying out the precipitation of the substantially monobasic lead salt of 2:4 dinitroresorcinol by introducing a stream of the solution of a soluble normal lead salt into the said solution of 2:4 dinitroresorcinol at a temperature not lower than about 70° C.

2,493,551
PRODUCTION OF NORMAL LEAD DINITRORESORCINATE
Leon Rubenstein, Saltcoats, Scotland, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain
No Drawing. Application July 8, 1947, Serial No. 759,705. In Great Britain September 4, 1946
7 Claims. (Cl. 260—435)

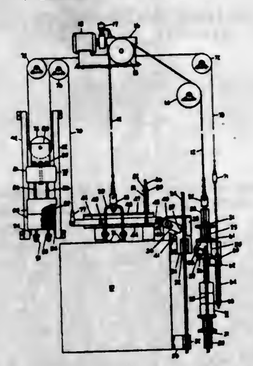
1. A process for the production of normal lead 2:4 dinitroresorcinate which comprises mixing together at a temperature not lower than 60° C. an aqueous solution of normal lead acetate with an aqueous solution containing a magnesium salt of 2:4 dinitroresorcinol having about ½ to ¾ the quantity of magnesium present in the normal magnesium salt, the said lead acetate and magnesium salt being admixed in stoichiometrical equivalent weights.

2,493,552
WINDSHIELD WIPER MECHANISM
Columbus R. Sacchini, Willoughby, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 11, 1945, Serial No. 598,877
10 Claims. (Cl. 74—96)



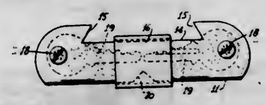
1. In a mechanism for transmitting alternate rotary motion between spaced non-parallel shafts, crank arms on said shafts respectively, a rigid link operatively connecting said crank arms, a universal coupling means interposed between one of said crank arms and one end of said link, said other crank arm being rotatable about its own axis, and means constituting a pivotal connection between said other end of said link and said other crank arm.

2,493,553
SAFETY APPARATUS FOR ELEVATORS
Eric Albert Sahlin, Harrington Park, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application August 18, 1948, Serial No. 44,813
7 Claims. (Cl. 187—87)



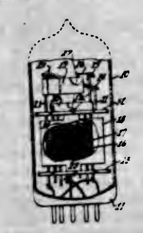
7. In an elevator system in which the car and its counterweight are driven through a hoisting rope and in which a safety brake is provided on the car for engaging the car guide rails and a safety brake is provided on the counterweight for engaging the counterweight guide rails, operating mechanism for said safety brakes comprising; an operating lever for said car safety brake; an operating lever for said counterweight safety brake; a spring acting on said car safety brake operating lever to bias said car safety brake to disengage said car guide rails; a spring acting on said counterweight safety brake operating lever to bias said counterweight safety brake to disengage said counterweight guide rails; a tensioning sheave; a weight hanging from said sheave; rods depending from said weight; additional weights below said first named weight through which said rods pass; means for supporting said additional weights; stops on said rods operable after a certain amount of upward movement of said first named weight to lift said additional weights off their supports to add their weight to that of said first named weight; bars for guiding the vertical movement of said weights; a pair of idler sheaves above said tensioning sheave; and a trip rope connected at its ends to said operating levers and passing by way of said idler sheaves downwardly around said tensioning sheave, said trip rope acting upon the parting of said hoisting rope to lift said first named weight to pick up said additional weights, the total weight of said first named and additional weights being sufficient to cause operation of said levers against the force of said springs to apply said safety brakes to their respective guide rails, the distance between said tensioning sheave and said idler sheaves being ample to enable the safety brakes to bring the car and counterweight to a stop.

2,493,554
FLEXIBLE KEYCASE
Larry Simon, Outremont, Montreal, Quebec, Canada, assignor to Morey L. Simon, Outremont, Montreal, Quebec, Canada
Application May 20, 1946, Serial No. 671,053
2 Claims. (Cl. 150—40)



1. A key case comprising a sheet of flexible material folded into a U-shape with spaced parallel walls, the material in the middle of the case along the bottom of the U being cut away to weaken it to permit downward flexing of either half of the case with respect to the other half, and a slidable sleeve encircling said walls and normally disposed in position to surround said weakened portion to inhibit said flexing when the sleeve is in this normal position, the upper edges of said walls being provided with cut-away elongated recesses having end shoulders acting as stops to the sleeve when it is moved in either direction from normal.

2,493,555
MOUNT FOR ELECTRON DISCHARGE DEVICES
Kenneth H. Simpson, Maplewood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1948, Serial No. 29,727
14 Claims. (Cl. 250—27.5)



12. A dual electrode mount having a stem, a diode and another electrode assembly disposed between said stem and diode, said diode having an anode and a cathode, said cathode also serving said another electrode assembly, a support for

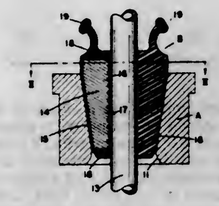
said cathode, said support having two legs and a transverse member, a suppressor grid for said another electrode assembly having a side rod, said side rod and said two legs lying in a common plane, said side rod being disposed between said legs, the upper ends of said side rod and said support lying in a common plane, said transverse member having a loop to avoid contact with said rod, a metal tab on said rod disposed in said common plane and extending laterally a greater distance than separates said rod and said one of said legs, the upper end of said one of said legs being closer to said stem than the upper end of said side rod, whereby said tab is displaced from said support, said tab being connected to a cathode tension hook, and a getter mounted on said loop.

2,493,556

SUPPORTING AND SEALING MEMBER

Albert L. Stone, Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application December 20, 1947, Serial No. 792,892
4 Claims. (Cl. 285—22)



1. An assembly for supporting pipe comprising, in combination, an annular member defining an upwardly facing supporting shoulder tapering upwardly and outwardly, a slip assembly adapted to cooperate therewith for holding a section of pipe comprising a plurality of radially arranged segments provided with inner toothed faces and outer wedge faces, readily deformable structural material securing a plurality of sections together in a fluid-tight assembly with readily deformable material covering at least a portion of the inner face of each segment.

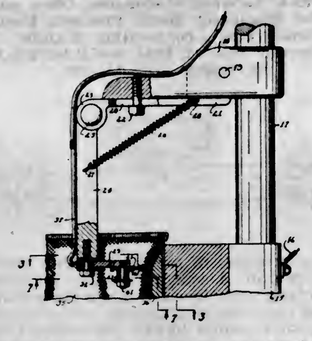
2,493,557

FEELER DEVICE FOR KNITTING MACHINES

Harvey A. Tanguay, Central Falls, R. I.

Application April 8, 1947, Serial No. 740,036
2 Claims. (Cl. 66—166)

1. A feeler mechanism for locating holes in cloth, comprising a support with a vertical member thereon, a lateral arm extending from the vertical member, a plate connected to the lateral arm, a vertically swingable member pivotally connected to the plate, means adjustably connecting said plate to said lateral arm, a feeler device connected to the bottom end of the vertically swingable member comprising a spring biased swingable feeler element having a finger formation thereon outwardly curved on one side and inwardly curved on the other to form a hook-like formation adapted to enter a hole in the cloth, and a tension spring extending between and attached to the vertically extending swingable



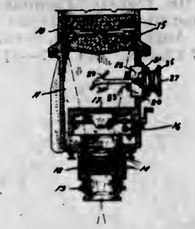
member and the plate for biasing the feeler device toward the hole in the cloth.

2,493,558

FOCUS DETERMINING DEVICE FOR PHOTOGRAPHIC ENLARGERS

William D. Thompson, San Diego, Calif.

Application October 24, 1946, Serial No. 705,442
3 Claims. (Cl. 88—24)



1. A focus determining device for photographic enlargers comprising: condensing lenses; objective lenses, all of said lenses being positioned in axial alignment so that said condensing lenses will refract a conical beam of light through said objective lenses; a photographic film having a developed image interposed in said beam of light between said condensing and said objective lenses with its front surface facing said objective lenses so that an illuminated picture of said image will be projected upon an enlarging easel; a reflecting device positioned in said beam of light between said condensing lenses and said film and having its reflecting surface directed toward said film at an angle as to reflect light from the rear surface of said film outwardly at a substantially 90° axis from the optical axis of said lenses; and means for viewing the rear surface of said film as reflected from said reflecting surface.

2,493,559

FOLDED STRIP

Abraham Unger, South Orange, N. J., assignor to Duro-Persian Mfg. Co., Inc., East Newark, N. J., a corporation of New Jersey

Application October 30, 1945, Serial No. 625,539
4 Claims. (Cl. 57—155)

1. A flexible and substantially non-stretchable flat twisted ribbon-like tape having a width several times greater than the thickness thereof,

comprising a strip of artificial film material disposed in substantially spirally arranged convolutions along the length of said tape and forming at all portions along the length of said tape a plurality of flat superposed layers, each flat layer



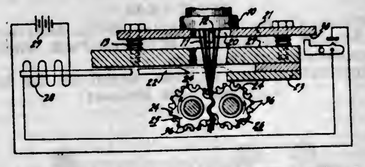
comprising one side of a single convolution which overlaps the major portion of the immediately underlying layer, said flat superposed layers being firmly in contact with each other and firmly retained against slippage with respect to each other.

2,493,560

LEAD WIRE STRAIGHTENING MACHINE

Anthony J. Vasselli, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 23, 1945, Serial No. 612,163
11 Claims. (Cl. 140—147)



1. A machine for straightening the outer leads of radio tubes and similar devices to facilitate base threading comprising a holder for supporting a tube with outer leads projecting from its end, a pair of parallel corrugated rolls positioned adjacent said holder to receive between them the ends of the leads of a tube in said holder, said rolls having gears geared to each other to maintain the ridges and grooves of said rolls in mesh relation and spaced to slidably grip the leads between them, and driving means to rotate said rolls to move their proximate surfaces away from said holder.

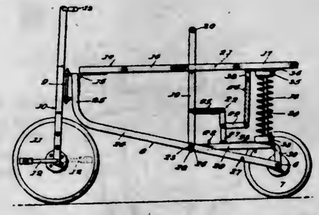
2,493,561

TWO-SEATED TRICYCLE

Harry S. Williams, North Little Rock, Ark., assignor, by direct and mesne assignments, to Roc-a-Ride Corporation, Little Rock, Ark.

Application March 18, 1947, Serial No. 735,325
8 Claims. (Cl. 280—202)

3. A child's vehicle comprising a chassis frame, rear wheels supporting the rear end of said chassis frame, a front wheel fork pivoted to the front end of said chassis frame and having steering means at its upper end, a front wheel mounted in said fork and having pedals, an elevated horizontally elongated member extending longitudinally over said chassis frame and having a front seat and a rear seat, said pedals and steering means being accessible to a child on said front seat, means hingedly supporting the front end of said elongated member on the front end of said chassis frame, spring means yieldably supporting the rear end of said elongated member,



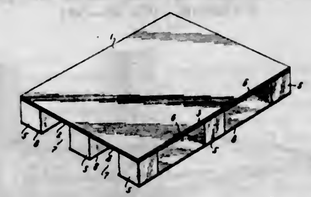
a forwardly and rearwardly swingable lever fulcrumed at its lower end on said chassis frame and having hand-grips at its upper end accessible to a child on said rear seat, connecting means connecting said lever with said elongated member to vertically swing the latter as said lever is operated, and foot-rests for a child occupying said rear seat.

2,493,562

LOADING PALLET

Paul J. Yarman, Barberton, Ohio, assignor to The Ohio Boxboard Company, Rittman, Ohio, a corporation of Ohio

Application April 4, 1947, Serial No. 739,325
5 Claims. (Cl. 248—120)



1. A loading pallet formed entirely of paperboard, and including a platform and a plurality of legs depending therefrom and adapted to support the platform in elevated position above a supporting surface, each of said legs being of block-like formation having a hollow core and comprising a plurality of layers of paperboard material extending substantially normal to said platform, each of said layers constituting a separate member in internested association with the members constituting the other layers, and a core member disposed in said hollow core and serving to support said layers interiorly of the leg member, the paperboard material of the layers of the legs including a corrugated sheet with its corrugations disposed substantially normal to said platform.

2,493,563

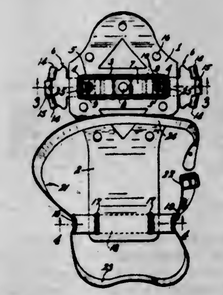
CREEPER FOR USE ON ICY OR OTHER SLIPPERY SURFACES

Eugene Arieti, Springfield, Mass.

Application May 27, 1948, Serial No. 29,495
3 Claims. (Cl. 36—7.7)

1. A creeper which comprises a spike carrying plate adapted to be positioned against the ball portion of the sole of a shoe, spring pawl mem-

bers secured to said plate, clamp members engageable with the edges of the shoe sole and having ratchet forming shank portions slidable between said plate and the pawl members and held by the latter against outward movement, a plate member extending rearwardly from the



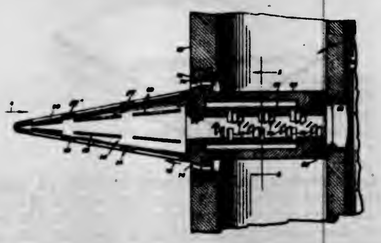
spike carrying plate beneath the shank portion of the shoe sole, strap supporting brackets carried by said plate member and extending upwardly at the sides of the shoe, and a strap carried by said brackets to releasably secure the creeper to the shoe.

2,493,564

PNEUMATIC COTTON-PICKING SPINDLE

Charles O. Arneson, Delhi, La.

Application May 20, 1948, Serial No. 28,091
2 Claims. (Cl. 56—50)



1. A pneumatic cotton picking spindle comprising a hollow conical body affording an air chamber, said body including an end wall and a tapered lateral wall, said lateral wall having a crop engaging surface and being provided with rows of longitudinally extending air slots communicating with said chamber, an open ended tubular air duct extending longitudinally from said end wall and affording means for rotatably mounting said body, and a set of substantially rectangular propelling blades secured in mutually spaced spiral formation to the inner surface of said duct.

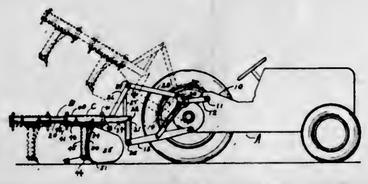
2,493,565

DIRT AND SNOW MOVER

Frederick B. Arps, New Holstein, Wis.

Application May 10, 1945, Serial No. 592,934
6 Claims. (Cl. 37—155)

6. In combination with a tractor having a power lift, a tube having secured to its forward end upwardly and downwardly extending members, a transverse member secured intermediate its ends to said downwardly extending member, drawbars hingedly connected at their front ends to opposite sides of the tractor and at their rear ends to the ends of said transverse member, a link pivotally secured at its rear end to the upper end of said upwardly extending member and at its forward end to said tractor, said power lift having an operating connection to said drawbars for raising and lowering said tube, a tube shaped head slidably and rotatably mounted on said tube, means for securing said tube shaped head to said tube in predetermined positions,



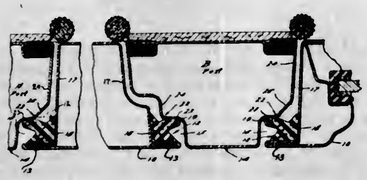
a plate secured to the under side of said head and having a downwardly and centrally positioned bolt, another plate corresponding substantially in shape with said first plate through which said bolt extends, a scraper blade mounted on said other plate, locking means on the front and rear ends of said plates, whereby the scraper blade may be positioned transverse to said tube or at an angle thereto and firmly locked to the head.

2,493,566

DOOR SEAL

Clarence G. Bauer, Berkely, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 15, 1947, Serial No. 761,102
6 Claims. (Cl. 296—44)



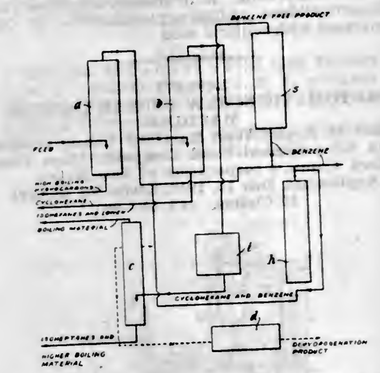
1. In an automobile door construction, a door frame defining a door opening and having a jamb portion providing an exteriorly exposed front wall and a side wall, the door jamb along the hinge edge of the door frame comprising a lower hinge portion positioned on the outside of the hinge line and an upper portion positioned on the inside of the hinge line, the intersecting edge of the front and side walls of the door jamb along the upper portion of the hinge edge being beveled off, and a door, shaped to conform to the door opening, hingedly mounted on the lower hinge portion of said door jamb, said door having a resilient, symmetrically shaped, cantilever type door seal comprising a base portion and a sealing finger projecting therefrom mounted on its marginal edges, the sealing finger on said seal being adapted to engage and seal against the front wall of said door jamb on door closing movement.

2,493,567

PREPARATION IN A CONDITION OF PURITY OF HYDROCARBONS FROM MIXTURES CONTAINING THEM

Stanley Francis Birch, John Habeshaw, and Clarence Barnes Collis, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

Application February 1, 1946, Serial No. 644,960
In Great Britain January 12, 1945
31 Claims. (Cl. 260—666)



31. A process for the preparation of a pure hydrocarbon from a feedstock consisting essentially of n-hexane, benzene, methylcyclopentane, cyclohexane and 2,2- and 2,4-dimethylpentanes, which comprises the distillation of the feedstock in an initial distillation zone to remove a primary fraction distilling at a temperature not above 81.1° C., the primary fraction being distilled in a second distillation zone in the presence of sufficient azeotrope-forming hydrocarbon, such as benzene, to ensure the recovery of pure cyclohexane as a residual fraction, an overhead fraction also being taken, comprising any cyclohexane not retained in the residue fraction, together with azeotropic mixtures comprising methylcyclopentane and dimethylpentanes with benzene and any other azeotrope-forming hydrocarbon present, together with all other constituents of the feedstock to the second distillation zone, the overhead fraction then being treated for the recovery of substantially the whole of the benzene in the overhead fraction and the production of a benzene-freed fraction, the said benzene-freed fraction being then passed to an isomerisation zone in which a substantial part of its methylcyclopentane content is converted into cyclohexane, and a substantial part of the 2,2-dimethylpentane and 2,4-dimethylpentane converted to hydrocarbons of different boiling point.

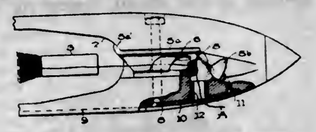
2,493,568

SELF-THREADING SHUTTLE

Starling I. Bright, Greer, S. C.

Application June 3, 1947, Serial No. 752,219
3 Claims. (Cl. 139—223)

1. In a self-threading shuttle having a wooden body provided with a recess in which is secured a threading block, and a thread delivery slot connecting said recess with a thread groove formed in the side surface of said wooden body, and said block is secured in said recess by a cross-bolt, the improvement which consists in a thread guide plate mounted in a recess formed in the side surface of said body and extending over a portion of said thread guiding groove both to the front of and the rear of said side delivery slot, said guide plate having a slotted aperture arranged in alignment with said delivery slot, and a slotted



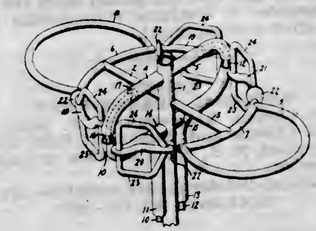
thread guiding sleeve secured to said plate around said aperture and being positioned in said thread delivery slot, the rear portion of said guide plate extending back to said cross-bolt and being clamped to said body by said cross-bolt.

2,493,569

COMPOSITE LOOP ANTENNA SYSTEM

Burton P. Brown, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 13, 1946, Serial No. 669,259
3 Claims. (Cl. 250—33)



1. A broad band, high frequency, antenna system comprising an even number of radiators symmetrically arranged to form a discontinuous planar loop, each radiator comprising a linear conductor having its ends spaced from and capacitively coupled to the ends of adjacent conductors, a plurality of transmission lines connected respectively to center feed points of the linear conductors of even-numbered radiators around said loop, odd-numbered radiators being coupled to said lines through said capacitive couplings, each even-numbered radiator further comprising two auxiliary radiating surfaces conductively bridging the halves of the adjacent linear conductor on either side of the center feed point, each odd-numbered radiator further comprising an auxiliary radiating surface conductively bridging substantially the full length of the adjacent linear conductor, and means to adjust said transmission lines and capacitive couplings to cause substantially equal, in-phase currents to flow in each of said radiators when said antenna system is energized.

2,493,570

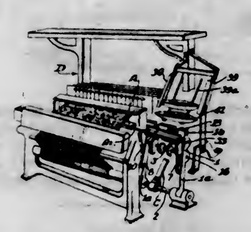
AUTOMATIC SHUTTLE CHANGING MEANS FOR WEAVING LOOMS

Emile Achille Butin, Lyon, France

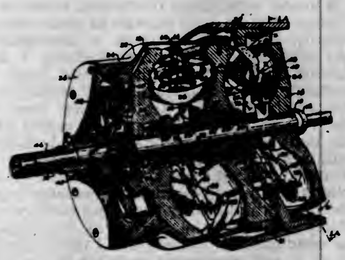
Application December 11, 1946, Serial No. 715,419
In France December 17, 1945
8 Claims. (Cl. 139—239)

1. An automatic shuttle changing apparatus for weaving looms adapted to operate during the time during which the shuttle box plays no useful part, comprising a batten, a shuttle box dis-

connectably carried by said batten, automatic means for returning the shuttle box rearwardly of the extreme rear position of the batten, a holder for substitute full shuttles registering with said rear position of the shuttle box rearwardly of the rear position of the batten, means for disconnecting the shuttle box from the batten, when the shuttle therein is substantially empty, means for holding the shuttle box in register with said holder for shuttle changing and means for reengaging the shuttle box with the batten when the latter has executed a complete reciprocating movement after disengagement.



2,493,571
TOROIDAL TRANSMISSION
Roland Chilton, Ridgewood, N. J., assignor to Allan Chilton and William E. Valk, both of Ridgewood, N. J., doing business as joint adventurers
Application October 6, 1944, Serial No. 557,477
26 Claims. (Cl. 74—200)

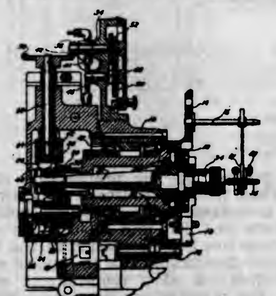


1. In a variable speed transmission, a pair of discs having facing co-axial toric surfaces with a common toric pitch circle, a plurality of circumferentially spaced rollers disposed in driving engagement with the toric surfaces of said discs, means supporting each roller for speed-ratio-changing pivotal movement about individual axes tangent to said toric pitch circle, and control means operatively connected to said rollers and movable parallel to the axis of said toric surfaces for tilting each roller about individual axes passing through the points of contact of said rollers with said toric surfaces, said control means comprising a hub member and a rim member respectively disposed inwardly and outwardly of said rollers, and substantially radial arms extending between said rollers for interconnecting said rim and hub members.

2,493,572
DIBENZYLIDENE ANHYDRO-ENNEAHEPTITOL
Otis C. Dermer, Stillwater, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application October 12, 1948, Serial No. 54,200
8 Claims. (Cl. 260—338)

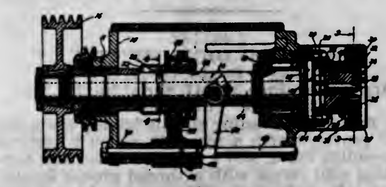
8. The method of synthesizing dibenzylidene anhydroenneaheptitol comprising reacting benzaldehyde with a compound selected from the group comprising anhydroenneaheptitol and diisopropylidene anhydroenneaheptitol in concentrated hydrochloric acid.

2,493,573
AUTOMATIC SCREW THREAD LAPPING MACHINE
Alden M. Drake, West Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application July 13, 1946, Serial No. 683,491
10 Claims. (Cl. 51—96)



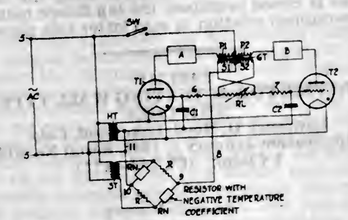
1. A lapping device for threaded members comprising a fixed headstock, a sleeve rotatably mounted therein, a spindle rotatably mounted within said sleeve, a thread lapping tool on said spindle, means to oscillate said sleeve, means to oscillate said spindle simultaneously with said sleeve, means connecting said sleeve to a holder for the work piece being lapped, whereby oscillations of said sleeve will oscillate said workpiece, and means to slowly advance said spindle rotatably during oscillations thereof.

2,493,574
LATHE WORK DRIVER
Henry E. Durkee, Manchester, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application June 13, 1946, Serial No. 676,506
3 Claims. (Cl. 82—40)



1. A work driver for machine tools having a rotating spindle, said driver comprising a body member rotatable with said spindle, a sleeve surrounding said body member and rotatable relative to said spindle and body member, work engaging members movable into and out of work engaging positions by relative rotation of said body member and sleeve, a rod extending axially of said spindle and connected to said sleeve, a member slidably mounted on said spindle, and cam means connecting said rod and slidable member, whereby movement of said slidable member effects rotational movement of said rod and rotates said sleeve relative to said body member to move said work engaging members into work releasing position.

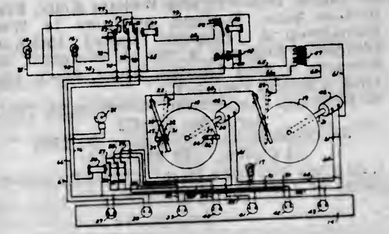
2,493,575
CONTROL APPARATUS FOR GAS TUBES
Donald V. Edwards, Montclair, N. J., assignor to Electrons, Incorporated, Newark, N. J., a corporation of Delaware
Application October 23, 1947, Serial No. 781,565
10 Claims. (Cl. 315—252)



1. An electrical control system of the character described for grid control gas tubes comprising in combination, a pair of gas tubes each having a control grid capable when at a negative potential of preventing conduction through the tube, a source of alternating supply voltage for the anode circuits of said tubes, a grid transformer having two opposing primary windings and two opposing secondary windings, the anode circuit of each tube including a corresponding one of said primary windings, a grid circuit for each tube including a corresponding one of the secondary windings of said grid transformer, and a circuit element constituting impedance connected with said grid transformer for determining the rate of decay of voltages induced therein, said grid transformer acting upon cessation of anode current for either of said tubes to establish for a time a negative potential on the grid of that tube and to remove such negative potential upon cessation of anode current for the other tube, whereby said tubes are fired alternately on alternate cycles of the supply voltage.

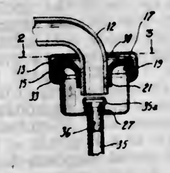
2,493,576
BURGLAR ALARM
Frank A. Foss, Keyport, N. J., assignor of one-half to Howard T. Jeandron, Keyport, N. J.
Application May 4, 1948, Serial No. 25,032
5 Claims. (Cl. 177—314)

1. In a burglar alarm device, a source of potential, a transformer connected on one side to said source of potential, an electric motor driven chronometer, a switch interposed between the opposite side of said transformer and the opposite side of said source of potential, means to open and close said switch with said chronometer, a secondary circuit connected to the secondary coil of said transformer, one side of said secondary coil being connected to a pair of connector plugs, the opposite side of said secondary coil being connected through a relay and the normally closed switch of a second relay to the opposite side of said pair of connector plugs, a connector link inserted in one of said connector plugs to complete said secondary circuit, said first relay being energized by said secondary circuit and retaining a plurality of normally closed switches associated therewith in an open position, a lamp connected across said secondary circuit to be illuminated when said secondary circuit is energized, means to momentarily de-energize said secondary circuit by removing said connector link, and in turn de-energizing said first relay, which restores said relay switches to their normally closed position, means to energize said second relay when the



said first relay is de-energized and reestablish said secondary circuit, means to break the normally closed switch of said second relay, and means to establish said alarm circuit through a third relay, said third relay when energized closing three normally open switches, said normally open switches being connected on one side to the main source of potential and on their opposite sides to individual connector plugs, said connector plugs in turn being connected to the opposite side of the source of potential, a reset switch providing means to deenergize said second relay and re-establish energization of said first relay to in turn retain said secondary circuit energized through the connector link mounted in said connector plug.

2,493,577
ADAPTER
Lester K. Franklin, Los Angeles, Calif.
Application April 19, 1947, Serial No. 742,595
6 Claims. (Cl. 285—90)



1. In an adapter of the kind described, a cylindrical casing structure having in one end an opening to discharge liquid into a conduit and in its opposite end an intake opening into which the terminal portion of a spout or the like is insertable, elastic sealing means within said casing structure having an opening to receive said spout with a fluidtight fit, a turntable cover member forming a part of said casing structure and located axially beyond said sealing means, said cover member having an opening through which said spout is loosely insertable, and opposed spout-gripping arms pivotally connected with said casing structure and actuated by the turning move-

ments of said cover member to grip and release the spout to secure the adapter thereto and release it therefrom, said casing structure having in it arcuate cam means underlying said cover member, portions of said arms extending into the paths of said cam means so that the arms are moved to and from their gripping positions by said cam means when turning of said cover member moves said arms in relation to said cam means.

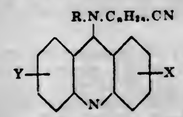
2,493,578

CYANOALKYLAMINO DERIVATIVES OF ACRIDINE AND METHOD FOR THEIR PRODUCTION

Alan August Goldberg and William Kelly, Bradford-on-Avon, England, assignors to Ward, Blenkinsop & Company Limited, Halewood, Liverpool, England, a British company, and Howards & Sons Limited, Ilford, Essex, England, a British company

No Drawing. Application November 28, 1945, Serial No. 631,475
In Great Britain November 28, 1944
11 Claims. (Cl. 260—279)

1. As a new product a meso-(cyanoalkylamino)-acridine of the general formula



in which R is selected from the group consisting of hydrogen and alkyl, aryl and aralkyl groups, X is selected from the group consisting of hydrogen and alkoxy, Y is selected from the group consisting of hydrogen and halogen, and n is an integer not greater than twelve.

2,493,579

SOLUTION FOR ANODIC POLISHING OF STEEL AND IRON ARTICLES

Milton B. Hammond, Edgeworth, and Glade B. Bowman, Coraopolis, Pa., assignors to Standard Steel Spring Company, Coraopolis, Pa., a corporation of Pennsylvania

No Drawing. Application March 8, 1947, Serial No. 733,426
7 Claims. (Cl. 204—140.5)

1. A solution for use in the electrolytic polishing of steel and iron articles wherein the article is employed as an anode, said solution consisting essentially of and containing by weight 55 to 85% phosphoric acid, 7 to 30% water, 1 to 15% of a member of the class consisting of tri-alkali metal phosphate, di-alkali metal phosphate, mono-alkali metal phosphate, and phosphorus pentoxide, and at least 0.5% of a sulphate of the class consisting of alkali metal sulphate and ammonium sulphate.

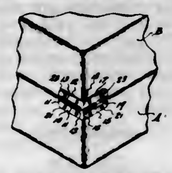
2,493,580

HINGE STRUCTURE

William A. Hellmann, Orange, N. J., assignor to Newark Rivet Works, Newark, N. J., a corporation of New Jersey

Application November 13, 1947, Serial No. 785,622
1 Claim. (Cl. 16—167)

Corner hinge means for pivotally joining cover and body parts of a container comprising a lower corner piece consisting in right angularly disposed unitary hinge leaf and side plate elements, and a complementary upper corner piece also consisting in right angularly disposed unitary hinge leaf and side plate elements, said hinge leaf elements of said corner pieces having hinge knuckles mutually interengaged in axial alignment, a hinge pintle extending through said hinge knuckles, and the side plate of said upper



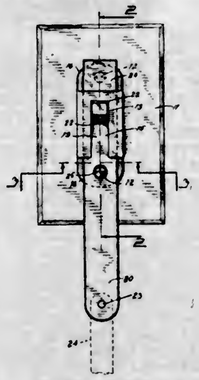
corner piece having an outwardly offset dependent lap flange member coextensive with the length thereof and formed with an internal shoulder to abut the upper edge of the outer face of the side plate of said lower corner piece when the hinge means is closed to dispose the lap flange member in overlapped relation to said latter side plate.

2,493,581

DEVICE FOR ACTUATING WALL TYPE SWITCHES

Lawrence D. Hood, Lakewood, Colo.

Application January 5, 1948, Serial No. 616
1 Claim. (Cl. 200—172)



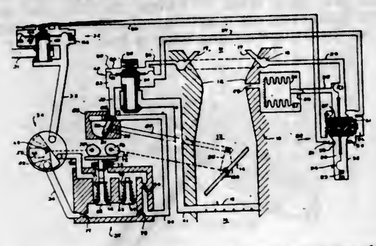
A device for actuating an electric light switch of the type having a switch handle mounted to oscillate about a pivot, said device comprising a guide plate having a straight central portion having a longitudinal slot therein, portions extending laterally from the ends of the central portion having end portions extending parallel to the central portion and being apertured to receive the screws which secure a switch face plate to a switch box, the central portion being of uniform thickness at all parts thereof and the same thickness as the other portions of the guide plate, a punched slot in each of the laterally extending portions of less length than the width of the plate, at least one of the latter slots joining said first named longitudinal slot, one edge of each slot also being contiguous with the face of the straight central portion at the side thereof facing the switch, and a slide extending through both slots, said slide having an opening to receive the switch handle, the slide being interposed between the flat central portion and switch.

2,493,582

CONTROL APPARATUS FOR INTERNAL-COMBUSTION ENGINES

Scott F. Hunt, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Application October 20, 1943, Serial No. 506,945
30 Claims. (Cl. 123—117)



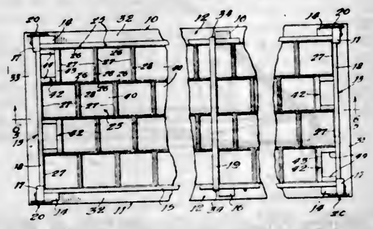
1. Control apparatus for an internal combustion engine, comprising movable means for controlling the ignition timing of said engine, a conduit for supplying air to said engine for combustion purposes, means associated with said conduit for producing two unequal pressures whose difference is indicative of the quantity of air flowing therethru, means for varying the ratio of fuel to air supplied to said engine including a manually operable member movable between a first position corresponding to a lean fuel to air ratio and a second position corresponding to a rich fuel to air ratio, means operated by the difference of said pressures for moving said ignition timing control means, and means effective upon movement of said member to said second position to cause operation of said ignition timing control means to establish normal ignition timing, regardless of the difference of said pressures.

2,493,583

METHOD OF FILLING CONTAINERS AND APPARATUS THEREFOR

Henry A. Johnson, Kansas City, Mo.

Application April 27, 1946, Serial No. 665,437
3 Claims. (Cl. 226—19)



1. A method of filling collapsible paperboard containers adapted to be filled with fluid or semi-fluid material to be solidified and each of which said containers include side walls and end walls, a bottom wall, and top closure flaps, said method comprising arranging said containers in erected condition in parallel rows upon a supporting surface with the end walls of adjacent containers in the same row in parallel but spaced relationship and with the side walls of the containers in adjacent rows in contacting relationship so as to reenforce each other and with the top closure flaps of the said containers in open condition, inserting a combination reenforcing and spacing member between the thus spaced parallel end walls of each two adjacent containers in each of the said rows of the said containers and with at least one end portion of each of the said combination reenforcing and spacing members engaging the side wall of one of the containers in the next adjacent row of said containers and approximately midway between the ends of the said side wall, filling the said containers with fluid or semi-fluid material to be solidified therein, and then effecting the solidification of the fluid or semi-fluid contents of the said containers while thus arranged with the said containers in the position stated.

2,493,584

HYDROGENATED POLYMER OF 2-VINYLDIBENZOFURAN

Edward A. Kern, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application September 27, 1945, Serial No. 618,985
2 Claims. (Cl. 260—88.5)

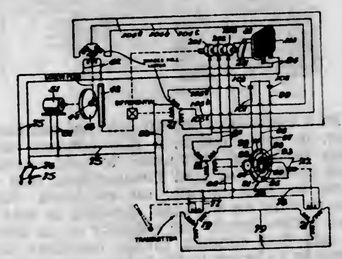
1. The method of increasing the heat-distortion point of a thermoplastic polymer of 2-vinyldibenzofuran which comprises dissolving said polymer in dioxane and hydrogenating said polymer in the presence of a hydrogenation catalyst at a pressure of about 1800 pounds per square inch at a temperature of about 340° C. until the polymer has combined with about 2.2 per cent by weight of hydrogen based on the weight of the said polymer.

2,493,585

ELECTRICAL FOLLOW-UP SYSTEM

Morris F. Ketay, Brooklyn, and Joseph R. Miller, Forest Hills, N. Y., assignors to Bendix Aviation Corporation, Brooklyn, N. Y., a corporation of Delaware

Application April 27, 1944, Serial No. 533,016
5 Claims. (Cl. 318—30)



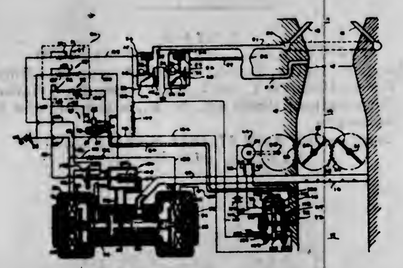
1. In an electrical apparatus, a signal receiving motor and a coacting driving motor; a power transmitting mechanism embodying an output member and a pair of input elements; a transmitter device driven by said member to supply power to said driving motor; a control motor driving one of said input elements; a variable speed device driving the other of said input elements; a second control motor to vary the speed ratio of said variable speed device; and circuit making means responsive to the leading or lagging of said driving motor with respect to said signal receiving motor for energizing said control motors to bring said driving motor into synchronism with said receiving motor; said control motors being simultaneously energized and said

second control motor being connected to said variable speed device with a coupling embodying a predetermined degree of lost motion, whereby minor energizations of said second control motor will not effect a change in the speed ratio of said variable speed device under certain conditions.

2,493,586
METHOD OF CANNING TUNA FISH
Otto W. Lang, San Carlos, Calif.
No Drawing. Application October 22, 1947, Serial No. 781,568
4 Claims. (Cl. 99—188)

1. The method of packing tuna fish consisting in subjecting fish to a precooking action in steam during which the juices and condensates extracted from the fish are sprayed over and around the fish during the cook, cooking the fish until a temperature of from about 160° F. to about 170° F. is reached in the densest part, subjecting the fish to a cooling action of from approximately 35° F. to 60° F. in the presence of a moisture laden atmosphere whose relative humidity is from 75 percent to 99 percent, then processing the fish.

2,493,587
CARBURETOR
Leighton Lee, II, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application September 28, 1943, Serial No. 504,098
31 Claims. (Cl. 123—119)



1. In a carburetor for an internal combustion engine, in combination, a first conduit for air flowing thru said carburetor to said engine, a second conduit for fuel flowing thru said carburetor to said engine, an electrical circuit, means to vary an electrical quantity in said circuit as a function of the quantity of air flowing thru said first conduit, means operative as an incident to a change in the intake manifold pressure of said engine for additionally varying said quantity, and means responsive to said electrical quantity for controlling the flow of fuel thru said second conduit.

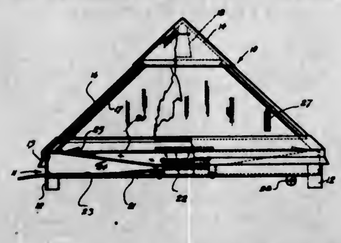
2,493,588
IMPLEMENT FOR SEVERING CORN KERNELS FROM COBS
Gustave J. Martin, Short Hills, N. J.
Application April 15, 1947, Serial No. 741,578
2 Claims. (Cl. 146—4)

1. A rotary implement of tongs-like structure for slicing the kernels of green corn from the cob comprising a pair of terminally pivoted arms adapted to serve as manipulating means, an elongated channeled concavo-convex jaw member of substantially V-shaped cross-section connection with the free end portion of each arm and disposed with its longitudinal axis transverse to the length of the arm and in perpendicular relation to the plane of both arms, the jaw members of both arms being directly opposed one to the other with their concave faces inwardly presented, each jaw member having flat side portions diverging from its apical portion and provided with straight longitudinal side edges adapted for bearing contact with a cob periphery in



substantial parallelism with the axis thereof whereby to form guiding means, and cutting means provided on at least one jaw member, said cutting means being in the form of a thin flat blade disposed in the plane of a side portion of the jaw member and projecting longitudinally therefrom intermediate of the apical portion and a longitudinal side edge, whereby the outer cutting edge of the cutting blade is spaced inwardly from the longitudinal side edge of the said jaw portion and is guided thereby in spaced overlying relation to the cob periphery.

2,493,589
TRANSPARENT BROODER
William Moore McCaskell, Kilgore, Tex.
Application April 21, 1945, Serial No. 589,594
1 Claim. (Cl. 219—35)



A poultry brooder comprising a base and a pyramidal casing thereon, a heating element in the apex of said casing for directly heating the interior thereof, said base including spaced upper and lower horizontal surfaces, a second heating element between said surfaces, apertures in said upper surface adjacent the edges thereof, and inclined surfaces extending from lower side of said upper surface downwardly and terminating adjacent said second heating element, including a thermostatic control for regulating both of said heating elements, said casing comprising a pyramidal cap supporting said first heating element and transparent sides depending from said cap.

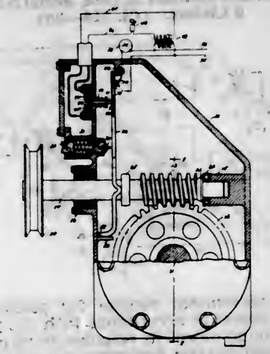
2,493,590
APPARATUS FOR POSITIONING CORES
William G. Mueller, Neenah, Karl Klause, Appleton, and Anton M. Meier, Menasha, Wis., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application October 22, 1947, Serial No. 781,330
15 Claims. (Cl. 214—17)



10. Apparatus for positioning a plurality of tubular, hollow cores upon a rewinder shaft having a tapered end in predetermined spaced relation comprising a plurality of spaced core-storage compartments, said compartments having a downwardly inclined bottom plate, a passageway leading from each compartment at its lowest level dimensioned to allow the passage of cores individually therethrough, said passageways being formed by two spaced, vertically disposed plates, a pair of spaced rotating agitators in each of said compartments, for feeding said cores to said passageways, means intermediate said passageways for guiding said shaft, a trough shaft, a trough fixedly secured to said shaft by extensions, trough locking means fixed to said trough shaft, a trigger shaft, triggers fixed to said trigger shaft, a hand lever for rotating said trough shaft to cause said trough to move beneath said passageways to support a series of cores in spaced alignment, a trigger linkage including a locking member engageable with said trough locking means connected to said trigger shaft whereby the disengagement of the trough locking means and the locking member will cause the triggers to enter said passageways and hold said cores therein, spaced core stop holders located intermediate said plates and adjacent each of said passageways, said core stop holders being secured to one of said plates, a guide member adjustably disposed for vertical movement within each of said core stop holders, a spring mounted core stop secured to each guide member, said core stops each having a surface of substantially the same contour as said rewinder shaft and an adjustable bracket for stopping the end of said rewinder shaft.

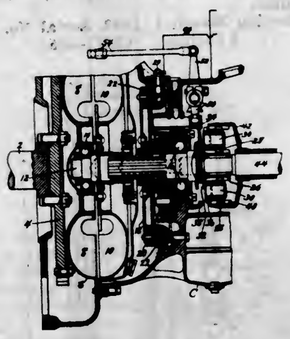
2,493,591
STOKER ALARM AND CONTROL
Alwin B. Newton, Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 27, 1946, Serial No. 672,496
2 Claims. (Cl. 198—232)

1. In a coal stoker of the type having a rotating screw for feeding the coal, a driven worm wheel for transmitting torque to said screw, a driving worm gear for transmitting torque to said worm wheel and having a normal operative position in engagement with said worm gear, a floating shaft carrying said driving worm gear, journal means supporting said shaft for rotative movement and permitting longitudinal movement thereof, a motor for driving said shaft, means limiting the movement of said shaft in one longitudinal direction when said screw is being rotated, yieldable means urging said shaft toward said limiting means, and switch means operated upon move-



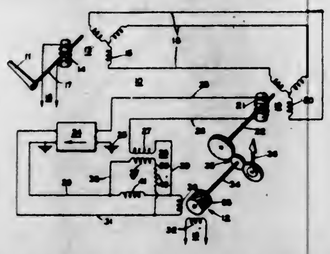
ment of said yieldable means to stop said motor if the screw should be prevented from rotating and said worm gear backs away from said normal position, said yieldable means being operable to close said switch means if the obstruction preventing rotation of the screw should be removed.

2,493,592
SELECTOR GEAR AND THROTTLE INTERLOCK
Donald C. Peabody, Yeadon, Pa., assignor to ACF-Brill Motors Company, New York, N. Y., a corporation of Delaware
Application February 11, 1944, Serial No. 521,920
7 Claims. (Cl. 74—472)



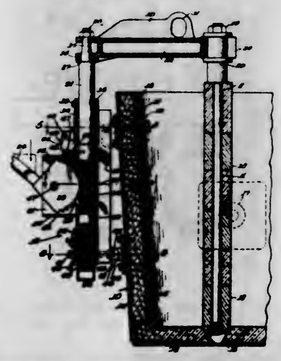
1. A control system for transmission parts including a driving shaft, a driven shaft, a fluid coupling and direction change gearing connecting said shafts for forward and reverse rotation of the driven shaft, power control means for controlling the power input to said driving shaft, gear control means for shifting the gears to obtain said forward or reverse rotation of the driven shaft, and lock means including a single one piece slide bolt mechanically interlocking said power control means and gear control means by engaging notches in both said control means to positively prevent operation of but one means at a time.

2,493,593
DAMPED SERVO SYSTEM
Joel D. Peterson, Ridgewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application January 2, 1948, Serial No. 270
9 Claims. (Cl. 318—30)



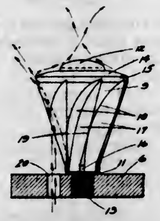
5. In a servomotor control for positioning a controlled object in accordance with the position of a controlling object in response to signal voltages, the combination comprising means for providing a measure of the voltage applied to said motor, and means for providing a measure of the current drawn by said motor due to the changes in motor impedance upon changes in the operational speed thereof, both of said means forming feedback circuits in series with the signal voltages to damp the oscillations of said motor about the synchronous position.

2,493,594
BOTTOM TAP FOUNDRY LADLE HAVING TAP ROD RAISING AND LOWERING MECHANISM WITH LATERALLY ADJUSTABLE ACTUATING LEVER
Wesley W. Reed, Hammond, Ind., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application March 1, 1948, Serial No. 12,274
4 Claims. (Cl. 22—85)



1. Mechanism designed for use with a bottom tap foundry ladle of the type that embodies a shell with a tap hole in its bottom and an upstanding vertically movable tap rod for controlling the tap hole, adapted to raise and lower the tap rod with respect to the hole, and comprising a vertically extending shaft mounted externally of the shell to slide vertically without rotation about its axis, having the upper end thereof fixedly connected to the upper end of the tap rod, and provided with a longitudinal series of equidistantly spaced arcuate teeth, a gear element mounted to rotate about a horizontal axis, having the teeth thereof in mesh with the teeth on the shaft, and supported so that it is capable of swinging bodily and laterally into different angular positions about the axis of the shaft while maintaining its teeth in mesh with the teeth on the shaft, and a handle variety lever connected fixedly to the gear element and adapted to rotate said element about its horizontal axis and also to swing laterally therewith.

2,493,595
ROTATABLE SPRAY HEAD
Nelson M. Rieger, Montgomery County, Ohio, assignor to The Rieger Manufacturing Company, Miamisburg, Ohio, a corporation of Ohio
Application December 30, 1944, Serial No. 570,529
4 Claims. (Cl. 299—126)



1. A spray head comprising a supporting member having an inlet chamber and a substantially frustoconical element mounted on said supporting member with its smaller end adjacent thereto and rotatable about an axis substantially perpendicular to said supporting member, said element having in its conical surface a plurality of relatively narrow spiral flutes, the side walls of each flute extending from the lower end of said element and converging longitudinally to a common point adjacent the upper end thereof, said supporting member having jet openings arranged to discharge water into said flutes to rotate said element.

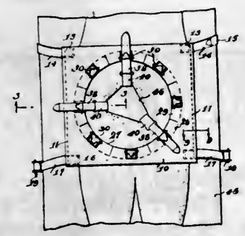
2,493,596
PROCESS FOR REFINING HYDROCARBON OILS
Gerrit Hendrik Reman, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 9, 1947, Serial No. 753,579
In the Netherlands June 20, 1946
6 Claims. (Cl. 196—44)

1. In a process for the refinement of mineral lubricating oils which contain impurities of the character of asphaltic substances, wherein the mineral oils are subjected to solvent extraction with a selective solvent for various hydrocarbons present therein, the improvement which comprises preceding said solvent extraction by treating said mineral oil containing the asphaltic substances with a minor but asphalt-precipitating amount up to about 10% by weight of antimony trichloride as sole active precipitating agent under conditions to precipitate at least a substantial portion of said impurities, and separating the resulting precipitated impurities from the oil prior to the solvent extraction operation.

2,493,597
USE OF PHOSPHITE ESTERS IN THE STABILIZATION OF LINEAR POLYAMIDES
David A. Rothrock, Jr., and Richard F. Conyne, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 5, 1946, Serial No. 652,238
8 Claims. (Cl. 260—45.7)

1. A process for stabilizing a linear polyamide against changes caused by exposure to moisture, heat, light, and oxygen, which comprises reacting and chemically combining said polyamide, by heating at a temperature of 100° C. to 300° C., with from 0.001 to 0.07 mole, per kilogram of said polyamide, of a stabilizing agent comprising a monomeric ester of phosphorous acid, the organic radicals of which ester are monovalent hydrocarbon radicals free of non-benzenoid unsaturation, said linear polyamide being the product of condensing, at 200° C. to 300° C., polymerizable reactants which contain amino groups and carboxyl groups as the sole reactive groups and which are members of the class consisting of (a) diamines and dicarboxylic acids, (b) aminocarboxylic acids, and (c) dicarboxylic acids and salts of diamines.

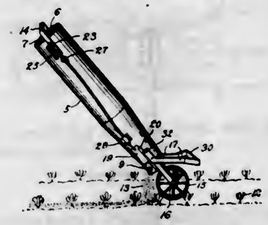
2,493,598
SELF-RETAINING ABDOMINAL RETRACTOR
Louis M. Rozek, Berlin, N. H.
Application August 6, 1948, Serial No. 42,872
2 Claims. (Cl. 128—20)



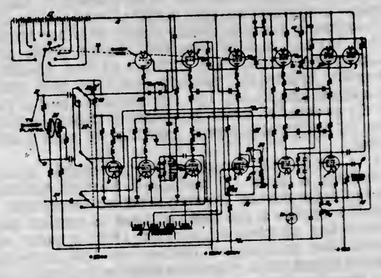
1. A device of the character comprising a canvas mat having a circular opening, a wide preformed seam affixed adjacent the periphery of said opening, seams at either side of the mat, a metal rod in each of said last-mentioned seams, a series of buckles mounted on the preformed seam, retractors removably and adjustably mounted in said buckles, a table-engaging belt at one end of the mat and straps having hooked buckles at the other end of the mat.

2,493,599
SINGLE-ROW FERTILIZER APPLICATOR
Walter J. Schroeder, Cincinnati, Ohio
Application June 10, 1947, Serial No. 753,714
5 Claims. (Cl. 222—176)

1. A fertilizer applicator to side-dress growing vegetation, comprising in combination, an elongate slender container having an upper charging opening substantially at waist elevation, and a lower end including a discharge port to release a continuous flow of fertilizer from the container, a rigid steering handle on the container near the upper charging opening, and a single earth-contacting wheel including means on the container for rotationally supporting the wheel substantially in line with the container axis and beyond the discharge port, whereby the container may be inclined and freely tilted at any angle above the point of contact of the wheel with the earth, the wheel and the handle both being substantially in line with the major axis of the container to provide for steerage of the applicator by merely twisting the handle in a plane which is normal to said axis, the discharge port being located to one side of the wheel plane for discharging fertilizer laterally of the direction of travel of the applicator.



2,493,600
SWEEP CIRCUIT
Carl R. Seaward, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 17, 1944, Serial No. 563,936
8 Claims. (Cl. 250—27)



1. In a sweep circuit for cathode ray oscillographs, a capacitance, a circuit for gradually charging the capacitance, a grid controlled gaseous discharge tube through which said capacitance is suddenly discharged, electronic means including a normally conducting grid controlled vacuum tube for controlling the grid voltage of said gaseous discharge tube from at least 200 volts negative to at least 200 volts positive in less than ¼ microsecond and then back again to said negative voltage to allow the substantially instantaneous discharge of the capacitance through the gaseous discharge tube and its cutoff before the capacitance is completely discharged, the voltage swing on the control grid of the gaseous discharge tube being at least 400 volts and its negative value being sufficient to prevent refiring of the gaseous tube even though there is a rapid increase in the voltage across the gaseous tube immediately following its cutoff such as would otherwise cause refiring of the tube.

2,493,601
FUSE LINK
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 22, 1944, Serial No. 569,292
5 Claims (Cl. 200—135)

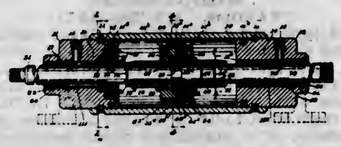


1. A fuse link comprising a pair of end portions and a severable section joining said end portions and comprising a pair of members at least one of which has a reduced section at which heating will develop under low current overload and at which rupture will occur under high current overload, said members being terminally overlapped and being joined at the region of overlap by a fusible metal meltable upon occurrence of sustained low current heating of said reduced section, each of said members having means including an end portion engageable with the opposite surface of the other member to preclude lateral motion thereof except upon prior longitudinal separative motion of the members, whereby premature peeling apart of said members upon temporary low current overload is positively prevented while permitting sliding separation of said parts upon melting of said fusible metal.

5. A fuse link comprising a severable section including a pair of members having portions which respectively overlap and at least one of which includes a portion reduced in section relative to the overlapped portion from a point adjacent the overlapped portion to the extremity of said member at which heating will develop under low current overload and at which rupture will occur under high current overload, solder joining said members at the region of overlap and meltable upon occurrence of sustained low current heating of said reduced section, and conductive end portions respectively engaging the remote extremities of said overlapped members, the end portion which engages said reduced section being formed to be slidable thereon during assembly so that the length and consequently the heating quality of said section may be variably predetermined without changing said region of overlap, thereby effectively establishing the low current characteristic of the fuse link at a desired current value.

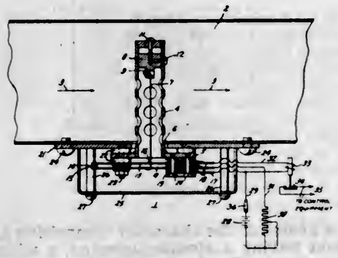
2,493,602
PRESSURE FLUID MOTOR
Vance C. Sterrett, Logansport, Ind.
Application December 31, 1947, Serial No. 794,975
13 Claims. (Cl. 121—38)

1. A fluid pressure actuator comprising a cylinder of given internal diameter, heads secured in the ends of the cylinder having axial passages and other passages communicating therewith for the ingress and egress of fluid to the outer ends of the axial passages, a piston rod guided in the axial passages, a piston carried by the rod, a sleeve of larger internal diameter than said rod to provide a fluid passageway therebetween,



means preventing outward flow of fluid through said passageway, said sleeve being carried on the rod having an outside diameter fitting with slight clearance the axial passage of the head on the corresponding side of the piston and serving to restrict the outward flow of fluid from the cylinder as the piston approaches said head.

2,493,603
AIR FLOW INTERLOCK SWITCH
Henry P. Thomas, Fayetteville, N. Y., assignor to General Electric Company, a corporation of New York
Application July 29, 1947, Serial No. 764,365
2 Claims. (Cl. 200—113)

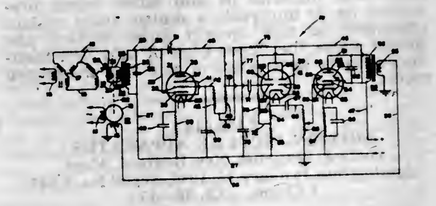


1. In an air flow responsive system, an air duct, a supporting member having a relatively high coefficient of expansion interposed in said duct, said member being secured to a wall of said duct and having a free end within said duct, a resistance wire having substantially the same high coefficient of expansion, one end of said wire being securely fastened to said free end of said supporting member, a switch member biased toward a normally open position, the other end of said wire being fastened to said switch member and normally holding said switch closed, said wire extending alongside said supporting member, the effect of expansion of said wire due to changes in air temperature being substantially compensated by corresponding expansion of said supporting member, means for heating said wire, by a current flowing therein, to a predetermined temperature at which said wire expands in the absence of air flow in said duct sufficiently to cause said switch device to move to said open position, said switch remaining closed so long as a predetermined flow of air is maintained in said duct.

2,493,604
INSULATING PAPER OF ASBESTOS AND BENTONITE
Theodore R. Walters, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 6, 1944, Serial No. 562,275
2 Claims. (Cl. 92—3)

1. A thin, flexible, insulating, inorganic paper having a sufficiently high tensile strength and flexibility to be wrapped on electric conductors and being capable of being folded upon itself without breakage, said paper consisting by weight of 5 to 35 parts bentonite and 95 to 65 parts asbestos fibers which are devoid of soluble impurities and conducting particles and which have a maximum diameter of 0.02 mil, said bentonite being associated with a sufficient amount of a water-soluble salt selected from the class consisting of the acetates and nitrates of copper, lead and chromium to cause the bentonite particles to agglomerate upon and adhere to the asbestos fibers, the said paper being stronger than a similar paper free of bentonite.

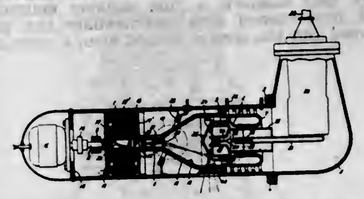
2,493,605
SERVOMOTOR CONTROL
Adolph Warsher, Maywood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 20, 1947, Serial No. 792,885
17 Claims. (Cl. 318—30)



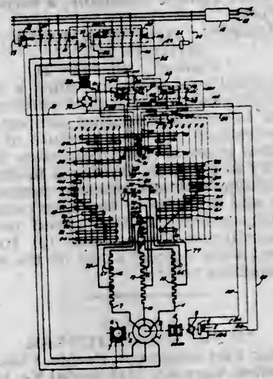
1. A control system comprising a displacement signal transmitter, a signal receiver adapted to develop an error signal upon positional disagreement of said receiver with said transmitter, a motor adapted to drive said receiver into positional agreement with said transmitter, means interconnecting said receiver and said motor for operating said motor in response to said error signals, said means including in the output thereof and connected to said motor an inductive coupling having a core; and means included in said interconnecting means for saturating the core of said inductive coupling under no signal condition to brake said motor.

2,493,606
X-RAY APPARATUS
Frank Waterton, Manchester, England, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application June 1, 1946, Serial No. 673,722
In Great Britain June 11, 1945
2 Claims. (Cl. 250—148)

1. An X-ray apparatus comprising the combination of a sealed housing, a thermionic X-ray device rotatably mounted therein, a liquid insulating medium in said housing enveloping said X-ray device, a motor within said housing arranged to rotate said device, and a generator located within said housing and having a rotor mechanically connected to said motor and electrical connections for furnishing current from said generator to a cathode of said X-ray device.



2,493,607
EDDY CURRENT PRELOADED CONTROLLABLE SPEED MOTOR
Frank W. Wendelburg and Erwin C. Brekelbaum, Milwaukee, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 30, 1947, Serial No. 782,998
12 Claims. (Cl. 318—209)

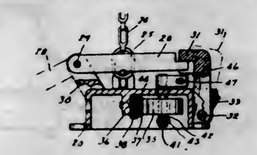


1. The combination with an alternating current motor of means adapted to selectively vary the amount of power delivered to said motor, eddy-current torque resisting means mechanically connected with the shaft of said motor including windings adapted upon excitation to give rise to eddy-currents which create a field which resists rotation of said motor, a selectively variable excitation current source for said windings adapted to provide independently of the speed of said motor a plurality of predetermined different substantially constant excitation currents, and interlocking control means coacting with said means for selectively varying the amount of power delivered to said motor and said selectively variable excitation current source adapted to position the same in predetermined coordinated relationship.

2,493,608
SAFETY DEVICE FOR FURNACES
Anthony Willett, Cleveland, Ohio
Application April 27, 1945, Serial No. 590,633
3 Claims. (Cl. 74—2)

1. In a trip release mechanism, a support, an arm pivoted to said support and extending thereacross, a second arm pivoted to said support and extending across said first named arm at

a point remote from the pivot thereof to prevent movement of the first named arm away from said support, a ring slidably embracing said first named arm intermediate the pivot thereof and the second named arm, a releasable

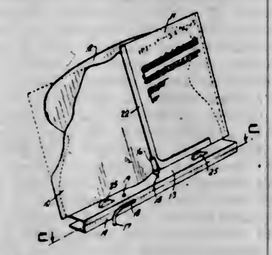


latch engaging said second named arm to prevent movement thereof away from said first named arm, resilient means to retain said latch in latching engagement with said second named arm, and movable means to trip said latch and permit the release of said ring.

2,493,609
COATING COMPOSITIONS FOR MAGNETIC MATERIALS
Gerald W. Young, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 19, 1947, Serial No. 742,727
7 Claims. (Cl. 175—21)

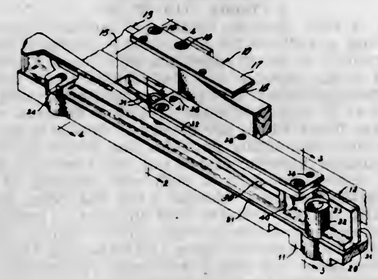
6. Electrical equipment including a laminated magnetic core the laminations of which are coated with heat hardened insulating composition consisting essentially of (1) a mixture of a drying oil-modified phenolic resin consisting by weight of from 0.7 to 1.5 parts drying oil to one part of the oil-soluble resinous reaction product of an aldehyde and a phenol of the class consisting of ortho hydrocarbon-substituted and parahydrocarbon-substituted phenols, and (2) from 20 to 60 per cent silica aerogel based on the weight of the oil-modified resin.

2,493,610
MUSIC SHEET TURNER
Roy Earl Allenbach, Pueblo, Colo.
Application August 6, 1949, Serial No. 109,009
5 Claims. (Cl. 84—489)



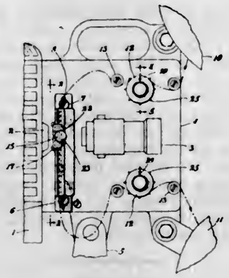
1. A sheet-turning music rack comprising: a backing plate adapted to support the cover sheet of music; an L-shaped binding strip adapted to be secured along the inner and bottom edges of a middle sheet of music; a shelf projecting forwardly from said backing plate to support said sheets; a shaft extending upwardly from said shelf forwardly of the middle portion of said backing plate and parallel to the latter; means on said shaft engaging said binding strip; and means for rotating said shaft.

2,493,611
SHUTTLE BOX PLATE
Everett H. Ashton, Jersey City, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application January 15, 1948, Serial No. 2,442
2 Claims. (Cl. 139—183)



1. A front box plate for a loom comprising an elongated metal body having an inner upright face and a recess on its inner upperside, a lining of cushioning material secured to said face and presented an upright shuttle guide surface extending therealong, a metal guide plate secured to the top of said metal body and projecting inwardly from said surface, said plate having a recess on its inner underside, and a lining of cushioning material in said latter recess presenting on its underside a shuttle guide surface transverse to said upright guide surface and spaced above the upper edge of said first mentioned lining as a result of said first mentioned recess.

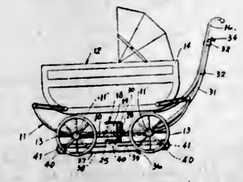
2,493,612
MOTION-PICTURE APPARATUS
Ovila J. Blanchet, New Bedford, Mass.
Application January 15, 1948, Serial No. 2,540
1 Claim. (Cl. 88—17)



Motion picture apparatus comprising a film gate member having an opening, a plate adjacent one face of said member and movable transversely thereof, said plate having a recess in one end to cooperate with said opening to reduce the area of the latter, said member having guide clips thereon engaging the edges of said plate, said plate having at its opposite end a bent over flange with a threaded opening, said member having a projection at one edge, the flange and projection extending towards the opposite face of said member, an adjusting screw engaging said opening, said hollow projection having

an opening receiving the end of said screw, a retaining screw in said projection, said first-named screw having a groove engaged by the retaining screw to secure the first-named screw in said opening and permit rotation thereof to adjust said plate, and sprocket wheels with teeth to engage a strip of film to pass said opening, a tubular hub bearing said wheels, a fixed journal carrying said hub adjacent said film gate member, screws in said wheels for holding said wheels in adjusted positions on said hub, according to the size of said opening as determined by said plate, and a rod affixed at one end to one of said bosses, the other boss having a bore slidably receiving and enveloping the other end of said rod, to cause said wheels to rotate as a unit.

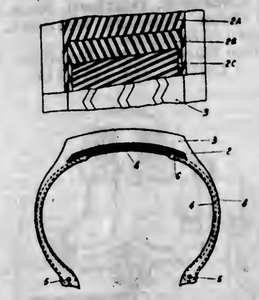
2,493,613
TRACTOR ATTACHMENT FOR BABY CARRIAGES
Ephim Bortnick, New York, N. Y.
Application March 7, 1947, Serial No. 733,004
2 Claims. (Cl. 180—9.1)



2. In combination with a baby carriage having a chassis provided with a pair of front wheels and a pair of back wheels, a support attached to said chassis at a location between said wheels, a jack having a stationary body mounted on said support centrally of said baby carriage and having a vertically operable jack arm extending downwards, a frame attached to said jack arm and extending longitudinally to points forward and rearward of the axes of said front and back wheels respectively, transverse shafts mounted on the front and rear ends of said frame and extending to points adjacent the inner faces of said wheels, sprocket wheels mounted on the ends of said shafts, endless tractor members extending longitudinally and engaged over said sprocket wheels in order that said carriage is bodily lifted vertically a short distance off the ground upon downward projection of said jack arm and is supported in a stable elevated position, and a motor connected with one of said shafts for driving said endless tractor members for assisting said carriage in being pushed upstairs on said endless tractor members.

2,493,614
PNEUMATIC TIRE
Pierre Marcel Bourdon, Paris, France, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand, France
Application June 3, 1947, Serial No. 752,068
In France June 4, 1946
8 Claims. (Cl. 152—356)

1. A tire casing comprising a carcass having flexible thread-reinforced sidewalls, a ground-contacting tread portion on the outer periphery of said carcass, and at least three separate superimposed layers of metallic wires within said carcass and substantially coextensive with said tread portion and substantially parallel to the ground-contacting surface of said tread portion, the wires in each layer being substantially parallel

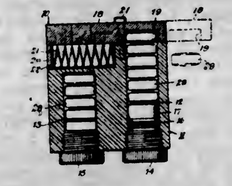


and the wires of each of three layers extending in different directions.

2,493,615
BETA-CHLOROETHYL-p-TRICHLOROMETHYL BENZOATE
John H. Bryden, Pasadena, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 23, 1947, Serial No. 756,561
1 Claim. (Cl. 260—476)

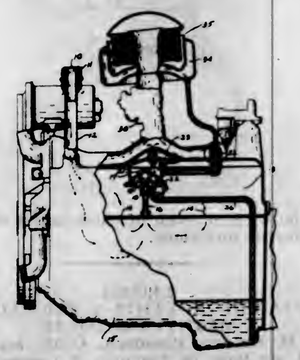
Beta-chloroethyl-p-trichloromethyl benzoate.

2,493,616
PORTABLE TABLET DISPENSING UNIT
Alexander Burns, New York, N. Y.
Application October 30, 1946, Serial No. 706,631
1 Claim. (Cl. 206—42)



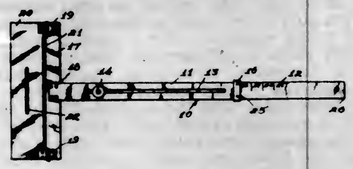
A tablet dispensing device of the type described including a body portion and a sliding cover, said cover attached to the body through pins which have one end anchored in the body and opposite ends extending through guide slots in the cover, two elongated holes formed in said body to provide a storage tube and a dispensing tube, said storage tube being sealed at one end and being equipped at the opposite end with a threaded cap, said dispensing tube having an open dispensing end adapted to be closed by the sliding cover, the cover being equipped with a pocket positioned directly above the dispensing tube, opposite end of the dispensing tube being equipped with a threaded cap, spring means positioned in said dispensing tube, said means including a spring which is attached at one end to the threaded cap and the opposite end being attached to a plug on which the tablets are placed, said spring means being adapted to force a tablet into said pocket in the cover, said cover capable of being slidably operated to expose said pocket and thereby to dispense the tablet, said cover being equipped with spring means to return the cover to closed position after the said dispensing operation.

2,493,617
OIL SEPARATOR FOR CRANKCASE VAPORS
Horace A. Chubbuck, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application March 7, 1946, Serial No. 652,776
8 Claims. (Cl. 123—119)



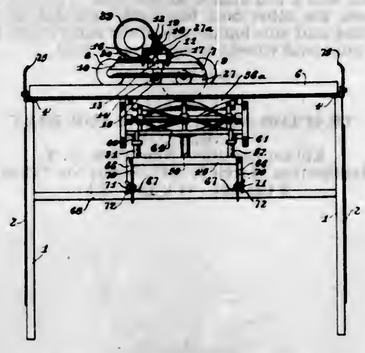
2. An apparatus for the recovery in bulk of finely divided oil droplets suspended in the gasses discharged from an internal combustion engine crankcase comprising an oil separator chamber communicating with the air induction system of the engine through a restricted orifice opening into the intake manifold on the engine side of the butterfly valve and also communicating with said air induction system through a conduit of substantial cross section opening into said induction system on the atmospheric side of the butterfly valve and containing a check valve biased to permit flow only away from the oil separator chamber, and said oil separator chamber communicating with the crankcase by means of a conduit the discharge end of which is below the normal level of the lubricating oil, the size of said orifice, the size of all openings from the crankcase to atmosphere and the height of the oil separator chamber above the lever of the lubricating oil being so fixed that a substantially perfect vacuum in the intake manifold will not cause a flow of oil from the crankcase into the oil separator chamber via the oil discharge conduit.

2,493,618
MEASURER FOR MARKING TROUSERS TO BE SHORTENED
Micheal Compiano, Des Moines, Iowa
Application November 1, 1948, Serial No. 57,715
3 Claims. (Cl. 33—2)



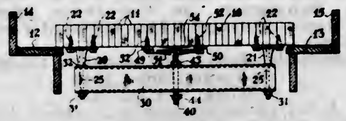
1. A device of the character described, comprising an adjustable measuring stick having a marker head fixed to one of the ends and at right angles thereto, a marker plate having a central longitudinal slot and one edge pivoted to the outer edge of said head adapted to fold over said head plate, the pivoted edge of the marker plate being provided with a notch to form a chalk guiding groove when the plates are in a common plane.

2,493,619
MACHINE FOR SHARPENING THE KNIVES OF LAWN MOWERS
Eugene F. Comstock, Rochester, N. Y.
Application May 6, 1946, Serial No. 667,656
7 Claims. (Cl. 51—34)



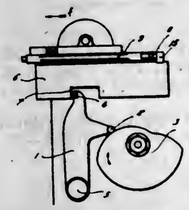
5. In a machine for sharpening the knives of lawnmowers, the combination of a stationary frame, a pair of horizontal tracks thereon, a second frame mounted to travel on the stationary frame, said second frame having a U-shaped member, said member having two parallel arms extending transverse to the tracks and a closed end, each of said arms having a grooved wheel mounted to rotate on the end thereof, each of said wheels rotating on its axis in line with its arm, said wheels being adapted to engage the track on one side of said stationary frame, a bridge fastened to the parallel arms near the other end of the U-shaped frame, a bracket fastened on said bridge, a wheel mounted to rotate on the lower end of said bracket, said wheel being adapted to run on the track on the other side of said bridge, a grinding wheel carried on said U-shaped frame between the tracks, the closed end of the U-shaped frame serving as a handle by which the closed end of the U-shaped frame and the grinding wheel can be lifted together and held up as the U-shaped frame is moved along the track.

2,493,620
BOARD LEVELING MECHANISM
Paul Cusano, Union City, N. J.
Application January 28, 1948, Serial No. 4,903
4 Claims. (Cl. 273—126)



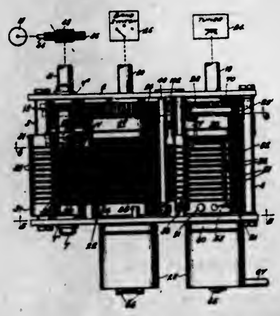
4. Leveling mechanism for a game board comprising a fixed, rigid bar to be secured at its ends to the game board to be leveled, means for fixedly securing the ends of the bar to the board, a bolt extending through an intermediate portion of the bar, means connecting the upper end of the bolt to the board, and means on the bolt for adjusting the bolt upwardly or downwardly relative to the bar.

2,493,621
LATHE CONTROL MOVEMENT
Georges Emile Cuttat, Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France, a company of France
Application December 28, 1946, Serial No. 719,085
In France August 3, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 3, 1959
2 Claims. (Cl. 74—53)



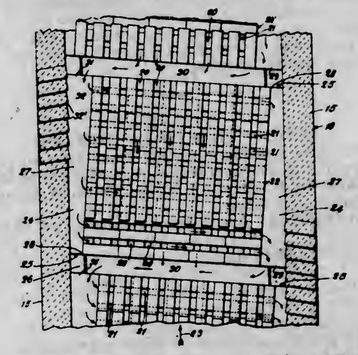
1. A longitudinal control device of the poppet in automatic lathes comprising at least one cam, the plane whereof is perpendicular to the axis of the poppet, a lever receiving its motion in the same plane from said cam, a roller mounted on the operative end of said lever, a slide movable perpendicularly to the axis of the poppet, a thrust block on said slide engaged by said roller, a second thrust block on said slide, a second lever moving in a plane perpendicular to the plane of motion of said first lever, a roller mounted on one arm of said second lever and engaged by said second thrust block, whilst the other arm of said second lever exerts a pushing action on the poppet.

2,493,622
AUTOMATIC SELECTOR MECHANISM
Frank G. Eskuchen, Atlantic City, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1944, Serial No. 560,818
5 Claims. (Cl. 74—10.2)



1. A motor-operated selector mechanism adapted to effect the automatic adjustment of a device to a selected one of a plurality of predetermined positions, comprising a cam assembly selectively actuatable to settings which correspond each to one of said predetermined positions, a selector disc assembly mechanically coupled to the device, a plurality of stop levers, a selected one of which, depending upon the setting of the cam assembly, is adapted to stop the disc assembly at the selected predetermined position, said stop levers each being pivoted at one end and provided with a disc-stopping part at the other end and further provided with a depending portion intermediate said ends, spring-means coacting with said stop levers tending to move said levers individually in a particular direction about its pivoted end, means rotatable in the same direction as the stop levers for receiving the depending portion of any selectively actuated stop lever, said receiving means having a part which interlocks with the lever depending portion to rock the lever about its pivoted end and to force the opposite end to its stopping position, and drive means for actuating said receiving means, the cam assembly and the disc assembly in a predetermined sequence of operations.

2,493,623
MANUFACTURE OF CERAMIC ARTICLES
Major E. Gates, Crystal Lakes, Ill.
Application August 27, 1946, Serial No. 693,235
10 Claims. (Cl. 25—156)



1. The method of treating ceramic ware in a tunnel kiln which comprises placing successively generally rectangular stacks of ware on the kiln floor spaced from the kiln walls with the stacks skewed to place one pair of diagonally opposite corners of each stack substantially closer to the kiln walls than the other corners, moving the kiln floor to carry successive stacks through the kiln, arranging the ware in each stack with longitudinally and transversely extending passages to carry heating gases between the pieces of ware, causing heating gases to pass longitudinally through the kiln through the spaces between the benches and the kiln walls and counter to the direction of travel of the ware, locating said diagonally opposite corners relatively closely to the kiln walls to create pressure differentials at opposite ends of said transverse passages to cause a substantial portion of the heating gases to pass through the transverse passages in each stack.

2,493,624
LATCH MECHANISM
Fred Gerson, Elmhurst, N. Y.
Application March 27, 1948, Serial No. 17,407
2 Claims. (Cl. 292—17)

1. In a latch mechanism having a keeper and a latch housing with an open end, which housing is defined by a bottom wall, a top wall, a rear

wall and opposite side walls; a single U-shaped spring member provided with an arcuate rear portion and two jaw-forming legs projecting from said rear portion through said open end of said housing for cooperation with said keeper, the height of said spring member substantially corresponding to the distance between said top wall and said bottom wall, and an upright pivot element struck out of the bottom wall and bent

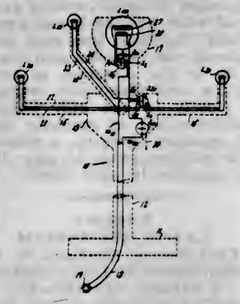


to extend substantially parallel to said rear wall, said rear portion of said spring member being positioned for movement about said pivot element within the space defined by said upright pivot element and said rear wall, the extent of movement of said spring member being limited by said side walls within said housing against which said legs of said spring member are spread and braced in engaged position of said keeper with said jaws of said spring member.

2,493,625
PRODUCTION OF PENICILLIN
Moses Wolf Goldberg, Upper Montclair, and Sidney Teitel, Rutherford, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application February 26, 1947, Serial No. 731,058
11 Claims. (Cl. 260—302)

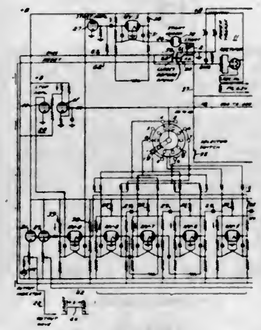
1. A process of producing penicillin salts of alkali and alkaline earth metals which comprises reacting an organic amine salt of penicillin in an organic solvent with an organo metallo compound of the group consisting of alkali metal and alkaline earth metal dialkyl malonates, alkyl acetoacetates and acetyl acetone.

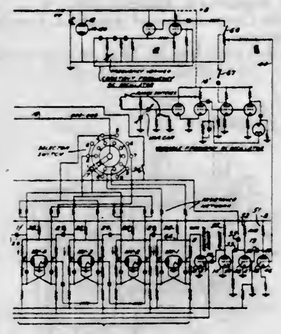
2,493,626
ELECTRIC LIGHTING DEVICE
Arnold Goldstein, Allentown, Pa.
Application December 15, 1947, Serial No. 791,814
1 Claim. (Cl. 315—312)



In a portable electric lighting device, in combination, lighting means, an energizing circuit for said lighting means including circuit means provided with a normal and a plurality of off-normal positions, said circuit means being adapted to effect different modes of energization of said lighting means in the respective positions of said circuit means, a first switch operable in said normal position of said circuit means to displace said circuit means into a first off-normal position thereof and operable in each other position of said circuit means to displace said circuit means into a respective subsequent position, and a second switch operable in each position of said circuit means other than said normal position to effect the immediate return of said circuit means into said normal position.

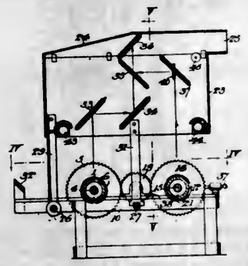
2,493,627
ELECTRONIC TIME MEASURING DEVICE
Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1946, Serial No. 666,472
3 Claims. (Cl. 250—27)





1. The combination of a counter including a plurality of concatenated trigger circuits each of the type wherein a pair of triode elements have their anodes and grids cross-connected so that current conduction is stable in one or the other anode of said pair, a source of alternating potential, means including a gate triode having its grid coupled to said source and having its anode coupled to the first of said concatenated circuits, means for biasing said gate triode to cutoff, means including a diode having its cathode coupled to said source of alternating current and grounded through a resistor, a start switch connected in shunt to said resistor and means including said diode responsive to a first cycle of said alternating potential following the opening of said switch for controlling said biasing means to bias on said gate triode so that the next cycle of said alternating potential is applied to said first concatenated circuit.

2,493,628
OPTICAL MEANS FOR REGISTERING PRINTING SURFACES
Earle L. Harley, Brooklyn, N. Y.
Application December 15, 1945, Serial No. 635,284
7 Claims. (Cl. 88—14)



3. In a machine for use in securing the printing plates on one printing cylinder with their printing surfaces in register with their coacting printing surfaces on the plates of a parallel key printing cylinder, a frame, bearing means arranged to cooperate with fixed elements of the two printing cylinders for readily inserting and removing and for rotatably mounting the two printing cylinders in the frame and mirror means located above the two printing cylinders for reflecting the printing surfaces of coacting plates on the two printing cylinders in superimposed relationship to a predetermined point for observation and correction by the operator of any misregister of said printing surfaces.

2,493,629
PROCESS OF PREPARING A HYDRATED FERROUS CHLORIDE IN DRY FLAKE FORM
Ashland S. Henderson, West Orange, N. J., and Edward A. Beidler, Columbus, Ohio, assignors, by mesne assignments, to Henry L. Crowley & Company, Inc., a corporation of New Jersey
No Drawing. Application November 3, 1944, Serial No. 561,838
1 Claim. (Cl. 23—87)

The process of preparing a hydrated ferrous chloride in dry flake form, consisting of the steps of preparing an aqueous solution consisting essentially of ferrous chloride having a concentration of $FeCl_2$ of about 25% to about 50% by weight, disposing said solution as a film on a surface heated to a temperature in the range of 225° F. to about 300° F. and thereby evaporating said solution substantially to dryness to leave on said surface a dry hydrated ferrous chloride having from about 1.8 to about 2.4 mols of water of hydration per mol of ferrous chloride, and mechanically removing said hydrated ferrous chloride from said surface as dry flakes.

2,493,630
SINGLE OR MULTIPLE KEY LOCK
Maurice Etienne Julliard, Paris, France
Application March 5, 1946, Serial No. 652,053
In France November 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 23, 1963
4 Claims. (Cl. 70—339)



1. In a combination lock in which the bolt thereof is operable by means of two keys, each of which has a plurality of pins of different lengths; a lock body rotatably mounted and provided with three coaxial barrels which are spaced from each other but rigidly connected together, said barrels being provided with two sets of longitudinal guide channels aligned to extend through said three barrels, respectively, said two sets of channels being adapted to receive said pins of said two keys, successively, means carried by said body and adapted to actuate the lock bolt, a first ward fixedly located between the first and the second of said barrels and provided with cut-out portions, a second ward rotatably mounted between the second and the third of said barrels and provided with cut-out portions, abutment means connected to said lock body and adapted to limit the amplitude of rotation of said second ward, a tumbler accommodated in each channel and movable therein and provided with projecting portions, said projecting portions being adapted to engage said cut-out portions in the first ward for one set of channels and in the second ward for the other set of channels, at least one recessed portion in each of said tumblers remaining out of engagement with said wards when the respective tumbler is moved in its channel, spring means in said channels urging said tumblers to a position in which a projecting portion of said tumblers is engaged in a cut-out portion of the corresponding cooperating ward and adapted to yield and to allow said recessed portion in each of the tumblers to coincide with the corresponding ward when the pins of the corresponding key are introduced into the corresponding set of channels, whereby the first key when introduced into the first set of channels will cause rotation of said three barrels and of the second ward by an angle corresponding to the limited amplitude of rotation of said second ward, and the second key when introduced into said second set of channels will cause said three barrels to rotate independently of said wards, whereby said lock bolt is actuated.

2,493,631
PICK SHAFT ASSEMBLY
Francis Gerard Lake, New York, N. Y., and Everett H. Ashton, Jersey City, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 4, 1948, Serial No. 25,028
9 Claims. (Cl. 139—147)

1. In a pick shaft assembly for a loom, the combination comprising a bearing rod, bracket means for supporting the ends of said bearing rod against rotation and endwise movement and adapted to be mounted on a loomside, and a tubular pick shaft encircling said bearing rod and

spaced therefrom and means supported on said bearing rod for rotation relative thereto spacing said pick shaft from said bearing rod and engaging said pick shaft for rotation therewith, said pick shaft having a crank arm for a pick cam follower and a crank arm for connection to a picker stick.



2,493,632

SALT-TYPE COMBINATIONS OF p-AMINOMETHYL-BENZENE-SULFONAMIDES AND SUBSTITUTED p-AMINO-BENZENE-SULFONAMIDES

William A. Lott, Maplewood, and Kathryn A. Losee, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application March 6, 1947, Serial No. 732,920

4 Claims. (Cl. 260—239.6)

1. The p-aminomethyl-benzene-sulfonamide salt of a member of the group consisting of sulfathiazole, N'-benzoyl-sulfanilamide, sulfadiazine, 2-(p-amino-benzene-sulfonamido)-Δ^2-thiazoline, sulfameraxine, sulfamethazine, and sulfapyrazine.

2,493,633

DOUBLE-WALLED CONTAINER

Leon T. Mart, Kansas City, Kans.

Application June 3, 1946, Serial No. 673,978

1 Claim. (Cl. 220—97)



A container comprising an open top, frustoconical, imperforate receptacle having its greatest diameter at said open top; an open bottom, frusto-conical skirt integral with said receptacle at said open top thereof and completely circumscribing the receptacle in spaced relationship thereto, said skirt having its greatest diameter at said open bottom, the height of the receptacle being less than the height of the skirt, and a plurality of substantially triangular-shaped ribs spaced about the periphery of the receptacle within the skirt at the uppermost ends of the receptacle and the skirt, said ribs each being disposed to present a shoulder spaced below said uppermost ends of the receptacle and skirt and spanning the distance between the proximal faces of the receptacle and skirt, said shoulders being in a common plane intersecting and disposed perpendicular to the longitudinal axes of the receptacle and skirt, whereby to hold a plurality of containers against wedging one with another when disposed in stacked relationship with the receptacle of one container nested within the receptacle of a container next below.

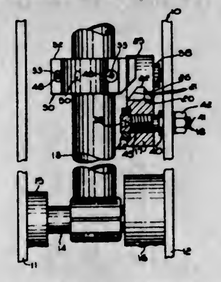
2,493,634

LAY GUIDE

Elvin A. Mastriani, Newark, and Karol Kulczycki, Jersey City, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application July 16, 1947, Serial No. 761,378

9 Claims. (Cl. 139—188)



1. In a loom having a lay sword mounted for oscillation about an axis, a lay guide comprising a stationary guide member having a guide surface extending in an arcuate direction concentric with said axis, a follower member movable along said guide member and having a follower surface conforming with and extending in contact with said guide surface, said follower surface extending in an arcuate direction concentric with said axis, and means mounting said follower member on the lay sword for oscillating movement therewith.

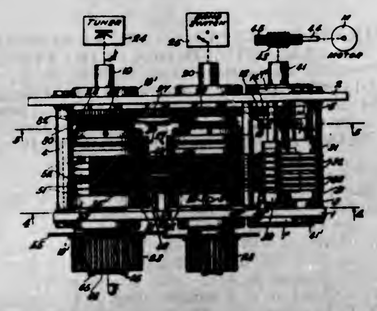
2,493,635

AUTOMATIC SELECTOR MECHANISM

Spencer W. McKellip, Wynnewood, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application October 28, 1944, Serial No. 560,817

13 Claims. (Cl. 74—10.2)



1. A motor-operated selector mechanism adapted to effect the automatic adjustment of a device to a selected one of a plurality of predetermined positions, comprising a cam assembly selectively actuatable to settings which correspond each to one of said predetermined positions, a selector disc assembly mechanically coupled to the device, a plurality of stop levers, a selected one of which depending upon the setting of the cam assembly is adapted to stop the selector assembly at the selected predetermined position, motor-driven means disposed between the cam assembly and the disc assembly and in cooperative relation with each selected stop lever to force the same to its stopping position, and drive means for actuating said lever cooperating means, the cam assembly and the selector assembly in a predetermined sequence of operations.

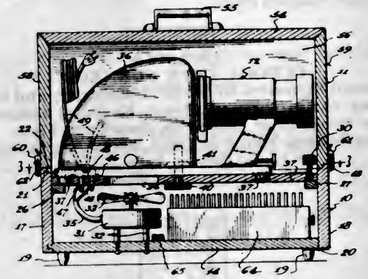
2,493,636

COMBINED SLIDE PROJECTOR CASE AND MOUNTING WITH FORCED AIR COOLING DEVICE

Hiram Lawrence Mills, Texas, Tex.

Application February 5, 1949, Serial No. 74,824

3 Claims. (Cl. 88—24)



1. A combination carrying case and support for a slide projector including a base for supporting the projector both while using or carrying the same, said base comprising a cooling chamber and having a blower therein, means leading cooling air from the chamber to the projector, said chamber having a hinged wall at one side thereof adapted to be closed during non-use of the projector and enabling the chamber to be used for storing equipment for the projector, and adapted to be opened when the projector is in use and the equipment removed to serve as air inlet to said chamber, and said case having a cover including a carrying handle and means enabling the cover removably to be attached to the base while covering the projector, comprising clasps, said hinged wall adapted to be secured in closed position by at least one of said clasps only when the cover is so attached to the base.

2,493,637

PROCESS FOR THE PREPARATION OF ALIPHATIC NITRILES

Warren D. Niederhauser, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 1, 1948, Serial No. 24,686

5 Claims. (Cl. 260—465.2)

1. The process of preparing oleonitrile which comprises reacting ammonia and oleic acid in the liquid phase at a temperature from 250° C. to 290° C. in the presence of a cobalt salt of a carboxylic acid having ten to twenty-two carbon atoms, said salt being present in an amount equivalent to at least 0.1% cobalt based on the original weight of said oleic acid.

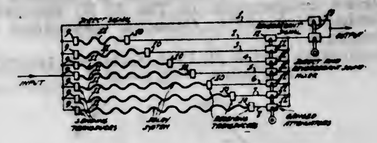
2,493,638

SYNTHETIC REVERBERATION SYSTEM

Harry F. Olson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 22, 1946, Serial No. 678,707

11 Claims. (Cl. 179—1)



1. In a synthetic sound reverberation producing system, means for translating non-reverberant sound waves into non-reverberant sound representing electrical signal waves, a plurality of sound wave conveying channels for producing reverberant sound representing electrical signal waves, each of said channels including an electro-acoustical transmitter, an acousto-electrical receiver, and an acoustic delay line connecting said transmitter to said receiver for conducting to said receiver the sound waves emitted by said transmitter, signal wave conveying means coupling said first named means to each of said transmitters to apply said first named signal wave thereto, a signal wave mixing network connected to said receivers for combining the reverberant sound representing signal wave output thereof, electrical coupling means including said mixing network and a portion of said signal wave conveying means providing a feedback path between said receivers and transmitters for a portion of the combined reverberant sound representing electrical signal waves from said receivers, and gain controlling means for said electrical coupling means for controlling the degree of feedback of said last named signal waves and the reverberation time of the system.

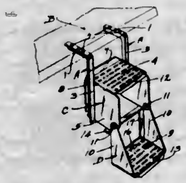
2,493,639

FOLDING VEHICLE STEP

Phillip Pellegrini, Glendale, Calif.

Application July 30, 1945, Serial No. 607,792

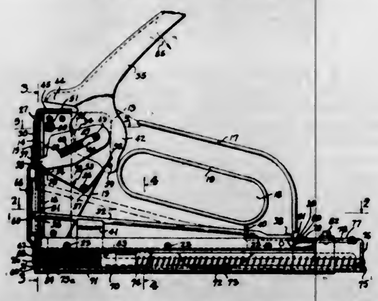
4 Claims. (Cl. 280—166)



1. A vehicle step comprising: in combination with a vehicle bed, a pair of parallel supports having portions attachable to said bed and having depending legs adjacent an edge of the bed, an upper step unit hinged at its rear margin to said legs so as to swing inwardly to overbalanced retracted position beneath the bed, and a lower step unit hinged to the forward portion of the upper unit and adapted to swing upwardly and inwardly thereon for retraction with the upper unit to inoperative position, and flanges on the upper unit engageable with said supports for limiting the extension thereof beyond operative position, and a bar secured to the upper unit and engageable with and for limiting the swinging

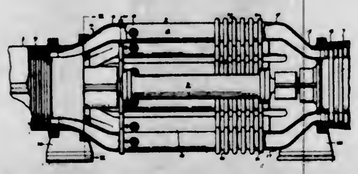
movement of the lower unit when said units are swung into operative position.

2,493,640
STAPLE DRIVING MACHINE
Roy E. Peterson, Norwalk, Conn., assignor, by mesne assignments, to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Delaware
Application March 21, 1947, Serial No. 736,195
11 Claims. (Cl. 1—49)



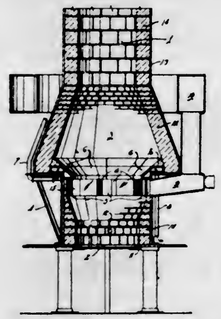
1. A staple driving machine comprising a guide bar for a strip of staples, a substantially flat staple driver mounted for reciprocating movement across the front end of the guide bar to drive the individual staples in succession, a spring comprising a rod fastened at one end and at the other directly engaging the driver for operating it to drive the staples, a pivoted operating lever, and a releasable pawl carried by the lever normally engaging the driver to retract it to tension the spring and then release the driver for the driving operation.

2,493,641
TURBINE APPARATUS
Thomas J. Puts, Upper Darby, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 18, 1946, Serial No. 677,500
4 Claims. (Cl. 60—41)



4. In a power plant provided with a bed plate having an axial-flow gas turbine axially aligned with and spaced from an axial-flow compressor and a drive shaft connecting the turbine to the compressor, adapter rings connected to the inlet end of the turbine and to the discharge end of the compressor, each ring structure including a circumferential series of conduits and the conduits of the two rings being arranged in opposed and aligned relation, means carried by the bed plate for supporting the compressor and the turbine and including upwardly-extending plates having their lower ends attached to the bed plate and their upper ends attached to said rings, said plates extending parallel to the compressor and turbine axes and being arranged in pairs with the plates of one pair attached to the compressor ring at opposite sides thereof and the plates of the other pair attached to the turbine ring at opposite sides thereof, whereby said rings are supported so that they are free to expand and to contract radially and are restrained against axial movement, and a circumferential series of elongated combustion units encompassing said drive shaft and including housings having their ends connected to the aligned conduits and combustion tubes arranged within the housings, each combustion tube diverging in the direction of flow and having its wall formed with openings for ingress of air from within the housing to the interior of the tube, each housing having a flexible portion which yields to accommodate axial expansion and contraction of the remaining portion or portions thereof and the associated combustion tube having overlapping relation with respect to the flexible portion and having its discharge end slidably fitting the interior of the housing adjacent to the turbine adapter ring.

2,493,642
CUPOLA TYPE FURNACE
Edward Summers Renshaw, Upminster, and Sidney James Sargood, Ilford, England, assignors to Ford Motor Company, Dearborn, Mich.
Application March 26, 1945, Serial No. 584,774
In Great Britain June 6, 1944
2 Claims. (Cl. 266—32)

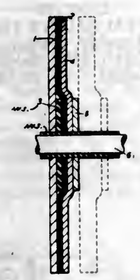


2. A cupola the lining of which is partially acidic and partially basic, said acidic lining being separated from said basic lining by a hollow metallic member adapted to receive internally cooling media and which acts as a neutral parting layer between the acidic lining and the basic lining whereby undesirable chemical reaction between the acidic and basic lining is prevented, said hollow metallic member being located immediately above the tuyères of the cupola.

2,493,643
METAL RECTIFIER OF THE SELENIUM TYPE
Edward Arthur Richards, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1944, Serial No. 568,237
In Great Britain January 15, 1944
2 Claims. (Cl. 175—366)

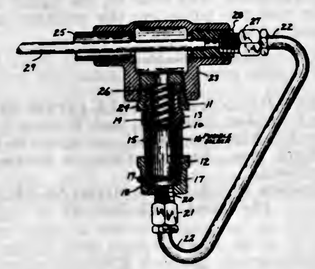
1. A metal rectifier comprising a metal base, an insulating layer covering a portion of said base, a semi-conductor layer on said base and a

counter-electrode layer on said semi-conductor layer, both said semi-conductor layer and said



counter-electrode layer overlying said insulating layer.

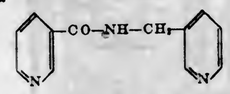
2,493,644
PRESSURE RELEASING DEVICE
Harry N. Rider, Youngstown, Ohio, assignor, by mesne assignments, to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio, a corporation of Delaware
Application April 26, 1944, Serial No. 532,840
4 Claims. (Cl. 169—17)



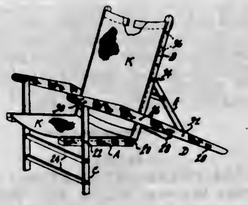
1. A pressure releasing device for installation in a tank like enclosure whereby pressures other than those in the enclosure may be controlled by the temperature within the enclosure, said device including a T-shaped hollow body member and including a pair of tubular members in communication therewith, said tubular members extending out of said tank-like enclosure, means to separate the T-shaped body member into two chambers and heat responsive pressure releasing means controlling the separating means, one of the tubular members establishing communication with the bottom of the T-shaped body member on one side of the separating means and the other of the tubular members establishing communication with the T-shaped body member above the separating means, the tubular members and the pressure releasing device closed with respect to the interior of the said tank-like enclosure.

2,493,645
NICOTINIC ACID - β - PICOLYL - AMIDE AND PROCESS FOR THE MANUFACTURE THEREOF
Reinhard Schläpfer, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application April 23, 1948, Serial No. 22,954. In Switzerland May 21, 1947
1 Claim. (Cl. 260—295.5)

Nicotinic acid-β-picolyl-amide represented by the formula



2,493,646
FOLDABLE RECLINING CHAIR
Knud Erik Andreas Schmidt, Copenhagen, Denmark
Application August 29, 1947, Serial No. 771,247
In Denmark September 3, 1946
1 Claim. (Cl. 155—139)

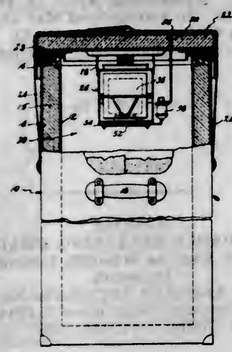


An adjustable back folding chair convertible to a cot, consisting of two identical side frames, each frame arranged in a vertical plane parallel to the other frame, said frames being maintained at a suitable distance from each other by means of horizontal transverse bars, said frames comprising a combination rear leg and arm rest pivotally connected to a back rest side member and to a front leg, a seat side member pivotally connected to said back rest side member and to said front leg, and canvas or other fabric suspended upon said transverse bars laterally between the seat and back rest side members of each frame to form a support for the occupant of the chair, a plurality of cut-outs located in the rearmost surface of said back rest, side member, a brace pivotally connected to said combination rear leg and arm rest, and adapted to engage any one of said cut-outs, whereby said back rest may be inclined at various angles of elevation with respect to the ground.

2,493,647
REFRIGERATING STORAGE UNIT
George B. Wagner, Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y., a corporation of New York
Application April 30, 1946, Serial No. 666,043
6 Claims. (Cl. 62—91.5)

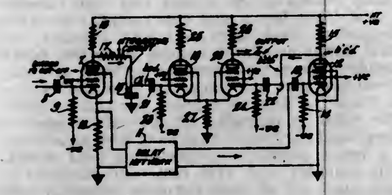
1. A refrigerating storage unit comprising a box-like container embodying insulated walls enclosing a storage chamber having an opening at one end through said walls, a removable cover

for closing said one end of the chamber, a closed Dry Ice box in the chamber, an insulation housing enclosing the box except for an opening through the housing from the chamber to the box, means supporting the box and housing on the cover, a closure gate in the last named



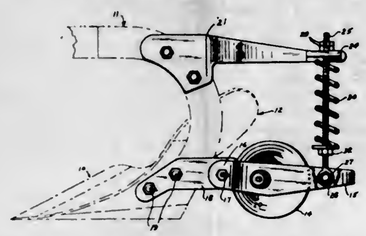
opening, and a thermostatically operated bellows supported on the cover and connected to and adapted to hold the gate in closed position when the temperature in the chamber is below a predetermined degree and to open the gate when the temperature exceeds said degree.

2,493,648
ELECTRICAL PULSE SEPARATING CIRCUITS
Walter Leslie Watton, Hayes, Eric William Bull, Hounslow, and Eric Lawrence Casling White, Iver, England, assignors to Electric and Musical Industries, Limited, a British corporation
Application June 2, 1945, Serial No. 597,256
In Great Britain December 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 24, 1963
3 Claims. (Cl. 250—27)



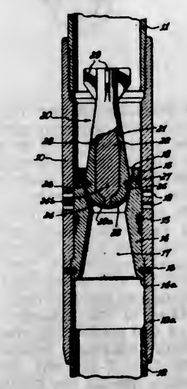
1. A pulse-separating circuit for separating single pulses and a series of pulses or for separating narrow and wide pulses comprising a main channel and an observing channel arranged to receive the pulses requiring separation, said main channel having means for delaying pulses fed therethrough and said observing channel having means comprising an integrating circuit to develop from narrow or single pulses derived pulses of smaller amplitude as compared with derived pulses developed by said last means from a wide pulse or a series of pulses, a control means to which both said delayed pulses and said derived pulses are applied, and means for causing said control means to pass said delayed pulses to an output circuit only in response to the application thereto of said smaller amplitude derived pulses.

2,493,649
WHEEL ATTACHMENT FOR PLOWS
Vivian P. Alloway, Craigmont, Idaho
Application July 1, 1946, Serial No. 680,541
2 Claims. (Cl. 97—79)



1. An attachment for a plow comprising a U-shaped yoke, a concavo-convex cutting wheel rotatably carried by said yoke, the axle for said wheel being supported at an oblique angle on said yoke, an attaching plate fixed to the lower end of said plow, said yoke pivotally connected to the rear end of said plate, a rearwardly extending supporting member fixed to the upper end of the plow beam, an eye bolt loosely connected to said yoke and extending through said member, a disc adjustably carried by said eye bolt, a spring about said eye bolt between said member and said disc for constantly urging said yoke downwardly, and nuts on the upper end of said eye bolt for adjusting the position of said yoke relative to said member.

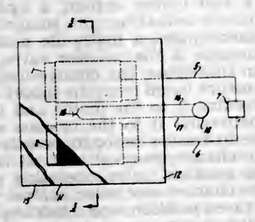
2,493,650
VALVE DEVICE FOR WELL CONDUITS
Reuben C. Baker, Coalinga, and William S. Althouse, Jr., Alhambra, Calif., assignors to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application March 1, 1946, Serial No. 651,053
16 Claims. (Cl. 166—1)



1. A valve device for gravitation through a well conduit, including a hollow impermeable body of

generally tear drop shape having a spherical nose portion and stabilizing fins on its tail portion, and a weighting material in said hollow body having a greater specific gravity than the material of said body.

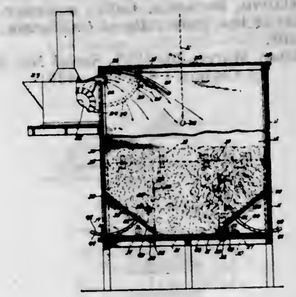
2,493,651
THERMOELECTRIC HEAT FLOW RESPONSIVE DEVICE
Llewellyn M. K. Boelter, Los Angeles, Robert V. Dunkle, Concord, and Joseph T. Gier, Oakland, Calif., and Raymond C. Martinelli, Schenectady, N. Y., assignors to The Regents of the University of California, Berkeley, Calif.
Application February 13, 1948, Serial No. 8,046
2 Claims. (Cl. 136—4)



1. A heat flow meter comprising: a central electrical insulating plate formed with a cut out therein; a form-plate of a thickness substantially equal to the thickness of said central plate accommodated in said cut out, said form-plate being made of an electrical insulating material; a plurality of turns of wire wound about said form-plate, each of said turns being electroplated over a portion of its length extending from one side of said form-plate to the other side thereof with a metal dissimilar to the metal from which said wire is made so as to form a thermopile having a series of thermocouples lying on each side of said form-plate; an electrical insulating cover plate sealed to and over each side of said central plate so as to form an integral structure therewith; and leads connected to the terminals of said thermopile and extending edgewise through said meter.

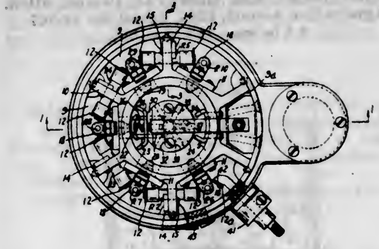
2,493,652
APPARATUS AND METHOD FOR MAKING CUSHIONS
Joseph W. Bowersox, St. Petersburg, Fla., assignor to Sealy, Incorporated, Memphis, Tenn., a corporation of Delaware
Application September 14, 1944, Serial No. 554,114
10 Claims. (Cl. 226—43)

1. The method of making mattresses which comprises the distribution of fibrous material at the top of a rectangular container so that it will fall into a mass at the bottom thereof, in placing deflectors at the bottom of the receptacle to guide the material as it falls by gravity, in filling the fibrous material level at the top in the container, in withdrawing the deflectors after the material is level at the top, and thereafter compressing



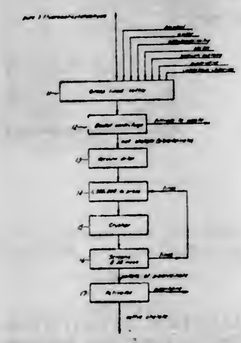
the fibrous material and inserting it as thus disposed by the deflectors in a mattress cover.

2,493,653
ELECTRIC ATTENUATOR
Albert C. Bowyer-Lowe and Edmund R. Peach, Cambridge, England, assignors to Pye Limited, Cambridge, England, a British company
Application December 10, 1945, Serial No. 634,002
In Great Britain October 10, 1944
14 Claims. (Cl. 178—44)



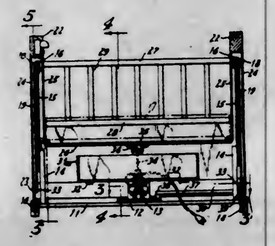
1. An electric attenuator comprising a metallic case having internal metallic partitions forming a series of adjoining compartments within said case, a resistance network housed within said case comprising a plurality of network sections connected in series, each section comprising a series resistor and a shunt resistor, the shunt resistors of said network being disposed within said compartments respectively, said partitions having apertures therein respectively, the series resistors of said network extending through said apertures respectively in insulated relation to said partitions so that the ends of each series resistor are disposed in adjacent compartments at the opposite sides of the intervening partition between such compartments, whereby the ends of each series resistor are screened from each other and the junction points of the series and shunt resistors of each network section with the series resistor of the next section of the network are disposed in separate compartments shielded by said partitions, and a switch mounted in said case for selecting sections of said network to furnish a range of selectable stages of attenuation.

2,493,654
COBALT BIS-(3-FLUOROSALICYLALDEHYDE)-ETHYLENEDIIMINE AND METHOD OF MAKING SAME
Melvin Calvin, Berkeley, Calif., assignor to The Regents of the University of California, Berkeley, Calif.
Application March 20, 1946, Serial No. 655,875
11 Claims. (Cl. 260—439)



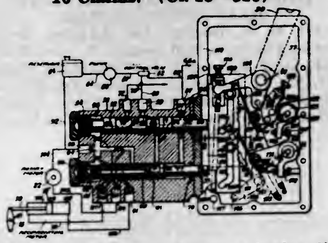
1. The chelate: cobalt bis-(3-fluorosalicylaldehyde)-ethylenediimine.

2,493,655
CONSTRUCTION OF CRADLES
Joseph Chodacki and Albert Zak, Detroit, Mich.
Application June 9, 1948, Serial No. 31,967
2 Claims. (Cl. 5—109)



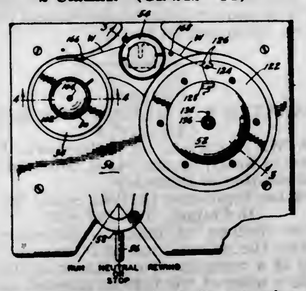
2. A cradle of the kind described, comprising a stationary oblong base, an upright standard at each end thereof, a cross beam at the top of each standard and a cradle proper, comprising two side members and two hollow end members, both the side and the end members being, at their lower ends, slightly spaced from said base, each of said hollow members enclosing the upright standard, and the cross beam thereon, cord means extending from the cross beam to the lower portion of each end member, motor means on the base and under the cradle proper, means actuated by said motor means to impart to the cradle proper a swinging, pendulum-like movement, and horizontally disposed arm means pivoted at one end on said base and pivotally connected at the other end to the lower portion of one end member of the cradle to guide the movement of said cradle and to prevent its swinging longitudinally with respect to the longitudinal axis of the cradle.

2,493,656
SEQUENTIALLY OPERATED MULTIPLE BLOWER
Edward Claude Shakespeare Clench, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application April 6, 1945, Serial No. 586,946
In Great Britain January 7, 1944
16 Claims. (Cl. 15—316)



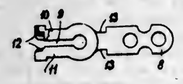
2. For a soot-blower system, a hydraulically-operated nozzle-actuating unit, comprising nozzle rotating mechanism, a hydraulic motor driving said mechanism, a change-over valve, a by-pass connection therefrom, the change-over valve receiving pressure liquid from the supply and in one position feeding it to the motor and in another position delivering it to the by-pass connection leaving the hydraulic motor inoperative, a spring urging the change-over valve at all times to its by-passing position, valve operating means for moving the change-over valve against the spring force to its feed position, and a holding device for retaining the change-over valve in said feed position, said holding device comprising a holding member slidable across the direction of valve movement and formed with a surface which controls the change-over valve, ratchet teeth formed on the holding member, a pawl oscillated by the rotation of the blower nozzle and engaging said ratchet teeth, thereby progressively moving the holding member towards a release position in which said holding member is disposed free of the change-over valve to allow the spring to move the change-over valve to its by-pass position.

2,493,657
METHOD OF WINDING WIRE ONTO A SPOOL
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Original application March 10, 1947, Serial No. 733,654. Divided and this application March 31, 1947, Serial No. 738,436
2 Claims. (Cl. 242—54)



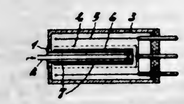
1. In a wire recorder including a wire supply spool and a wire takeup spool, the method of rewinding wire from the takeup spool onto the supply spool which comprises, maintaining the wire under tension while it is being rewound, guiding the wire onto the supply spool to form layers thereof on said spool, and momentarily checking the motion of a predetermined final length of the wire as it is drawn off of the takeup spool, while continuing the motion of the supply spool, thereby to tighten the wire on the supply spool.

2,493,658
THERMIONIC VALVE HOLDER
Stanley Thomas Deakin, Ewell West, England, assignor to British Mechanical Productions Limited, Leatherhead, Surrey, England, a British company
Application November 23, 1945, Serial No. 630,398
In Great Britain August 23, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 23, 1964
5 Claims. (Cl. 173—328)



1. An electrical socket contact element comprising a metal strip having an elongated slot extending lengthwise of the strip intermediate in its length and terminating in enlarged rounded ends, which strip is doubled over at a position intermediate in the length of the slot to provide two substantially parallel spaced legs connected by a bridge-piece, the slot extending across the bridge-piece and for a substantial distance along each leg to divide the bridge-piece and the adjacent portions of the legs into two parallel U-shaped parts connected at the enlarged ends of the slot, and which strip has a pin-receiving aperture in the bridge-piece formed by the slot the edges of which appropriated to the two parts of the bridge-piece provide pin-engaging contacts supported respectively by the two parts of the two legs for resilient movement in the lateral direction of the strip by resilient separation of the parts of the legs by bending of the material around the enlarged ends of the slots.

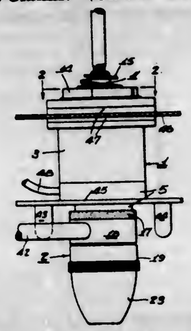
2,493,659
GETTER STRUCTURE FOR ELECTRIC DISCHARGE TUBES



Eduard Gerardus Dorgelo, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 14, 1947, Serial No. 728,573
In the Netherlands March 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 11, 1964
7 Claims. (Cl. 250—27.5)

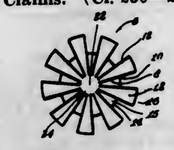
1. An electric discharge tube comprising an artificially cooled anode electrode, a body of refractory material in poor thermal contact with said anode electrode, and a gas-absorbing metal sintered to said refractory body.

2,493,660
MIXING FAUCET
Vance V. Elkins, Cheyney, Pa., assignor to The Charles E. Hires Company, Philadelphia, Pa., a corporation of Delaware
Application February 27, 1946, Serial No. 650,461
15 Claims. (Cl. 222—133)



1. A mixing faucet comprising a casing defining a fluid chamber therein and having opening outwardly through the bottom thereof a first fluid passage constituting an outlet from said chamber and a second fluid passage leading exteriorly of the casing, and a nozzle rotationally mounted in bearing engagement with the bottom of said casing and actuable between on and off positions, said nozzle having therein a first fluid discharge passage arranged in the on position of the nozzle to register with said first passage of the casing, and a second fluid discharge passage arranged in said on position of the nozzle to register with said second passage of the casing.

2,493,661
MAGNETRON CAVITY STRUCTURE AND METHOD OF MANUFACTURE OF SAME
George A. Espersen, Dobbs Ferry, N. Y., assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y.
Application March 15, 1947, Serial No. 734,903
9 Claims. (Cl. 250—27.5)

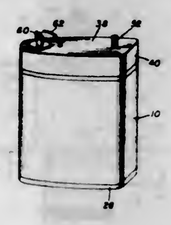


1. The method of manufacturing a magnetron cavity structure comprising the steps of inserting members of a first metallic material into a matrix of a second material different from said first material, depositing a metallic material different from said second material on exposed portions of the matrix and inserted members and preferentially removing the matrix whereby a cavity structure is formed with said inserted members forming a portion of the walls of said cavity structure.

2,493,662
CIGARETTE LIGHTER
Richard T. Fitzpatrick, Marcellus, N. Y.
Application May 1, 1947, Serial No. 745,223
2 Claims. (Cl. 175—296)

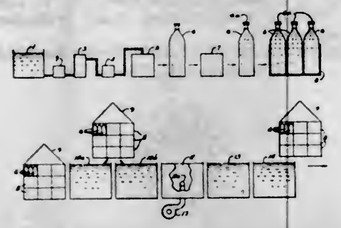
1. A cigarette lighter case having a body portion with parallel cylindrical apertures, a fuel

tank having a wick and an electrode projecting from one end thereof, an induction coil and a pair of dry cells, a removable base carrying a spring contact bar for connecting adjacent terminals of said dry cells, a removable plate having said induction coil mounted on the inner side thereof and a condenser on the outer side thereof, said plate having an aperture to receive



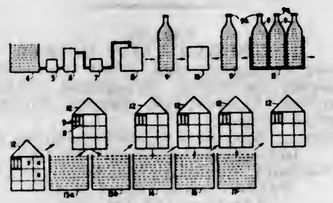
an outer end portion of said fuel tank, said fuel tank, induction coil and dry cells being insertable into said apertures in the body portion, and a cap carrying a switch controlling a circuit through said induction coil and condenser, said cap being also apertured to receive the end of said fuel tank carrying the wick and carrying a second electrode, said electrodes comprising a spark gap adjacent said wick.

2,493,663
PROCESS FOR HEAT-TREATING MILK AND CREAM IN CONTAINERS
James Owen Fowler, Sparkhill, Birmingham, England
Application December 22, 1945, Serial No. 637,061
In Great Britain November 6, 1945
2 Claims. (Cl. 99—214)



1. A process for pre-conditioning bottles containing lacteal fluids for cooling after pasteurization has been effected by immersion in a pasteurizing tank, that comprises moving each batch directly from the pasteurizing tank to a zone having a substantially moisture free, controlled, still atmosphere held at a temperature of from about 40° F. to about 50° F. cooler than the pasteurizing bath, holding each batch in such zone for a period of from about two minutes to about four minutes to evaporate a substantial portion of the film of heated water from the exterior of the bottles and to partially contract the outer surface of the bottles relative to the inner surface and then moving each batch to and immersing it in a chill tank having a temperature approximately equal to that of the still atmosphere.

2,493,664
PROCESS FOR HEAT-TREATING MILK AND CREAM
James O. Fowler, Sparkhill, Birmingham, England
Application March 26, 1947, Serial No. 737,260
In Great Britain April 11, 1946
3 Claims. (Cl. 99—214)



1. A process for the heat treatment of lacteal fluids, comprising, filling bottles with the fluid to be treated, capping the bottles with liquid proof caps, assembling a plurality of filled and capped bottles as a separate batch, immersing each such batch individually and successively by intermittent step by step progression into each of a plurality of separate water baths, and maintaining each batch substantially motionless in each bath during the period of immersion therein, each of said baths being maintained at a substantially constant temperature, the first of said baths being a pasteurizing bath, and at least two successively lower temperature baths for pre-cooling and cooling said bottles and the fluid, the first of the two cooling baths having a temperature of from about 35° to about 45° F. below that of the pasteurizing bath and the second having a substantially lower temperature.

2,493,665
FERRULE FOR HOLDING ERASERS TO THE BUTT ENDS OF PENCILS
Andrew P. Gagnon, Warren, R. I.
Application March 13, 1948, Serial No. 14,724
6 Claims. (Cl. 120—38)

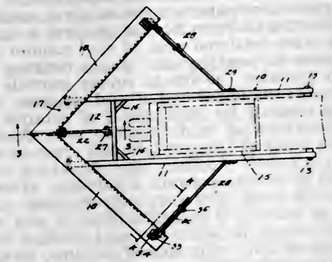


1. A ferrule for holding an eraser to the butt end of a pencil, comprising a hollow cylinder of plastic material, having the inner end adapted to be secured to the butt end of a pencil and an outer end adapted to surround and contain the inner end of a cylindrical eraser, said cylinder having a circumferential weakened line on the outer surface thereof at a spaced distance from the outer end thereof and at least two widely spaced longitudinal weakened lines on said outer surface extending longitudinally outwardly from said circumferential weakened line to the outer end of said cylinder, whereby when the eraser is worn down to adjacent said outer end, bending pressure may be applied to said cylinder to break off plastic sections of said cylinder along said weakened lines beyond said circumferential weakened line to expose an additional portion of said eraser for use.

2,493,666
PHYTATE PURIFICATION
Harry Gehman, Western Springs, and William Hach, Oak Park, Ill, assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 2, 1945, Serial No. 591,626
8 Claims. (Cl. 260—461)

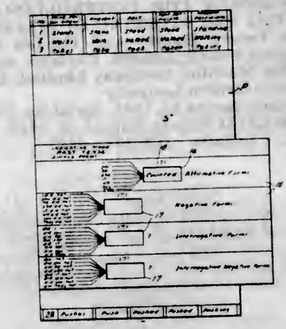
1. The process of purifying, of proteinaceous impurities, crude phytates selected from the group consisting of calcium and barium phytates and derived from plant sources which comprises treating said phytates with an aqueous solution of a strongly alkaline agent, selected from the group consisting of sodium hydroxide, potassium hydroxide, sodium carbonate, potassium carbonate, trimethylbenzyl ammonium hydroxide and mixtures thereof, at elevated temperatures not substantially exceeding the boiling point of said solution at atmospheric pressure to dissolve or colloidally disperse said impurities, and thereafter, separating the phytates from the dissolved or colloidally dispersed impurities, the concentration of said alkaline agent in the solution contacting said phytates being sufficient to produce alkalinity equivalent to about 0.33 to about 1.0 normal sodium hydroxide solution.

2,493,667
SNOWPLOW
Henry A. Genthe, Burlington, Colo.
Application December 8, 1947, Serial No. 790,312
1 Claim. (Cl. 37—44)



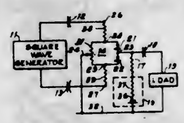
A snow plow attachment for the front end of a tractor comprising a supporting frame including opposite side bars, pivot means connecting the rear ends of said bars to the tractor, a connecting bar extending between said side bars adjacent the forward ends thereof, a V-shaped plow at the forward end of said frame, pivotal connecting means adjacent the lower edge of said plow mounting said plow on the forward ends of said side bar, a central adjusting brace pivotally connected to the point of said plow adjacent the top edge thereof and extending downwardly and rearwardly therefrom, a plurality of spaced openings formed in said adjusting brace, a fitting carried centrally of said connecting bar including a locking pin adapted to selectively engage in one of said adjusting brace openings for angular adjustment of said plow, a forwardly and outwardly extending end brace fixedly carried by each of said side bars intermediate the length of the latter, the forward ends of said end braces being pivotally connected to the divergent ends of said plow adjacent the lower edge thereof, an end adjusting brace pivotally connected to each end of said plow adjacent the top edge thereof and extending downwardly and rearwardly therefrom, a plurality of spaced openings formed in each of said end adjusting braces, and a locking pin carried by each of said end braces adapted to selectively engage in said end adjusting brace openings.

2,493,668
EDUCATIONAL APPARATUS
Jose Nieto Gonzalez, Salamanca, Gto., Mexico
Application July 1, 1946, Serial No. 680,770
3 Claims. (Cl. 35—35)



2. In an apparatus of the character described, the combination of a base sheet on which are imprinted in vertical columns different verbs and on which are imprinted different forms of the same verbs in horizontal rows, the forms of different verbs pertaining to the same tense being alined each in a vertical column, a first selector sheet applicable to the base sheet and being provided with a horizontal cut-out portion through which, depending upon the selected application of the selector sheet to the base sheet, an entire horizontal row of various forms of a verb is visible, and a second selector sheet provided with openings and applicable over the first selector sheet to bring any selected opening into register with the cut-out of the first selector sheet, the openings of the second selector sheet being arranged in columns, whereby the selection of a certain form of a selected verb is made possible.

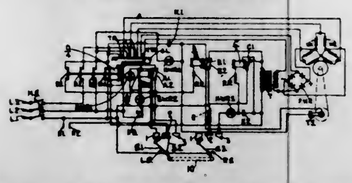
2,493,669
MODULATOR
John W. Gray, White Plains, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application November 3, 1948, Serial No. 58,140
11 Claims. (Cl. 321—44)



1. A device for converting a direct current electrical quantity to a proportional alternating current electrical quantity comprising, a pair of resistive elements which have a greater resistance to current flow in one direction than to current flow in the other connected in series aiding relation, a resistor connected in shunt to said pair of resistive elements forming a bridge circuit therewith, a circuit including a source of signals representative of a direct current quantity and

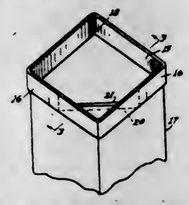
an output resistor connected between the juncture of said pair of resistive elements and an intermediate terminal of said first-mentioned resistor, a source of alternating current voltage connected to the remaining terminals of said bridge network, and circuit means for deriving an alternating current electrical quantity from the circuit including said output resistor.

2,493,670
ARRANGEMENT FOR CONTROLLING THE STARTING AND STOPPING OF MACHINES
Valentine Pearce Harvey and Gordon Francis Wellington Powell, London, England, assignors to Molins Machine Company Limited, London, England, a British company
Application August 11, 1947, Serial No. 768,020
In Great Britain August 15, 1946
1 Claim. (Cl. 198—203)



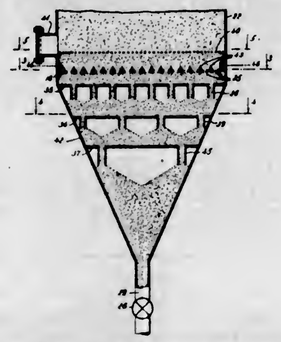
Motor control arrangements for a machine having a conveyor system conveying articles in applying current from said source to the stator spaced relationship and driven by an A. C. motor, comprising a manually operated switch for controlling the supply of alternating current to the motor, a source of direct current, a circuit for winding of the motor, and a switch for controlling said circuit, means operable by movement of the machine to close said last named switch and to cause direct current to be applied to the said stator winding of the motor, and devices rendering said means operative to close said last named switch only after the alternating current supply to the motor has been switched off by movement of said manually operated switch, to cause the motor to be dynamically braked and the machine brought to rest with an article carried by the conveyor substantially at a predetermined position from a given point.

2,493,671
CONTAINER CLOSURE
Raymond H. Horning, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application December 4, 1946, Serial No. 714,099
5 Claims. (Cl. 229—5.5)



1. An end closure for a container comprising a flat blank coated on the inner side with a substance operable to seal the blank to the container, the marginal portion of the blank being foldable to form a flange portion engaging the side wall of the container, and a sheet of non-sealable material fixedly secured to the inner surface of the blank and overlying a part of said foldable portion.

2,493,672
APPARATUS FOR HYDROCARBON CONVERSION
George L. Johnson, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 17, 1946, Serial No. 662,691
5 Claims. (Cl. 23—288)

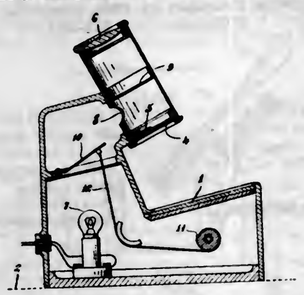


1. In an apparatus for hydrocarbon conversion in the presence of a moving substantially compact column of particle form catalyst, apparatus for effecting uniform flow of catalyst across the entire cross-sectional area of said column which comprises in combination: means defining a reaction chamber, means to supply particle form catalyst to the upper end of said chamber, a discharge conduit for withdrawal of catalyst from the lower end of said chamber, said discharge conduit being of substantially less cross-sectional area than said chamber, flow throttling means on said discharge conduit, a partition extending across the lower section of said chamber; a plurality of uniformly spaced orifices in said partition arranged to subdivide said column into a plurality of uniformly spaced streams, means to proportionately converge said streams into said discharge conduit, a sieve positioned across the lower section of said chamber at a level above the level of convergence of lines drawn upwardly from the nearest edges of adjacent orifices in said partition at an angle with the horizontal equal to about 65–75 degrees, said sieve having openings therein which are uniformly distributed across the chamber irrespective of the positioning of said orifices in said partition and which are smaller in size than said orifices but of sufficient size to permit substantially unrestricted flow of said catalyst therethrough.

2,493,673
OPTICAL COMPARISON EXPOSURE METER USED IN PHOTOGRAPHIC ENLARGING OR REPRODUCING WORK
Laszlo Kalman, La Tour-de-Peilz, Switzerland
Application August 6, 1947, Serial No. 766,624
In Switzerland December 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1961
2 Claims. (Cl. 88—23)

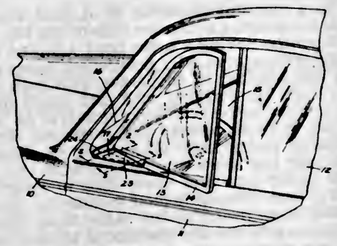
1. A device for measuring the time of exposure in the photographic magnification or reproduc-

tion of pictures comprising a plane mirror, a plane structure arranged for receiving an image from said mirror, an eye piece arranged at the side of said plane structure opposite to said mirror, said plane structure including a fine grain ground glass portion serving for observing the sharpness of the picture and a more intensely dif-



fusing translucent portion, a small opaque white spot arranged on said translucent portion on the side facing said eye piece, a light source arranged to direct light on the eye piece side of said spot, and means for varying the brightness of said light on said spot.

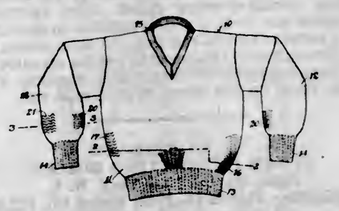
2,493,674
DRAIN FOR VEHICLE VENTILATING WINDOWS
Carl C. Koeln, St. Louis County, Mo.
Application November 23, 1945, Serial No. 630,459
14 Claims. (Cl. 296—44)



3. In a drain of the class described, a portion arranged to be connected to the lower forward end of a pivoted ventilating section of a vehicle window and an outwardly extending substantially flat portion providing a sloping drain surface of such area and shape as to extend between the end part of the ventilating section forward of the pivot and the exterior of the vehicle when the section is open to thereby cover the space established by the moving of the forward part of the section inwardly and receive water coming from said forward end of the section and drain it to the exterior of the vehicle.

2,493,675
SWEATER CONSTRUCTION
William J. Kuehnel, Bridgehampton, N. Y., assignor of one-half to John G. G. Merrow, New York, N. Y.
Application April 3, 1947, Serial No. 739,064
3 Claims. (Cl. 66—176)

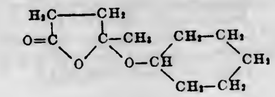
1. A tubular knit sweater having a body portion and sleeves, said sleeves being tapered from top to bottom and having the same number of wales throughout, the stitches being gradually enlarged progressively from the wrist to the



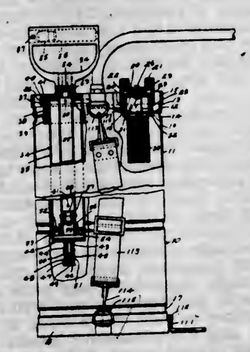
upper portion of said sleeves and said stitches being gradually enlarged progressively from the inner to the outer portions of said sleeves.

2,493,676
PSEUDO ESTERS OF LEVULINIC ACID
David P. Langlois and Hans Wolff, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application July 21, 1947, Serial No. 762,528
9 Claims. (Cl. 260—344)

8. The pseudo cyclohexyl ester of levulinic acid having the structure



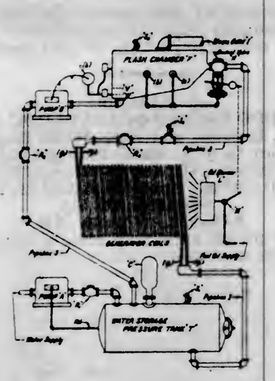
2,493,677
TANK AND SPRAY GUN
Anders Rudolf Lofstrand, Jr., Silver Spring, Md.
Application July 10, 1946, Serial No. 682,625
2 Claims. (Cl. 222—402)



1. In a sprayer tank, an air pump projecting partly into said tank, said pump comprising a cylinder formed with an upper flange, an internally threaded sleeve fixed in the top wall of said tank, a nipple threaded into said sleeve, a flange carried by the upper end of said nipple, said cylinder flange seating on said nipple flange, a closure plate engaging on said cylinder flange,

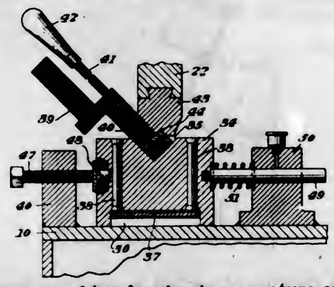
means securing said closure plate, and said cylinder and nipple flanges together for dependingly mounting said cylinder in said tank, an inner end wall carried by said cylinder, an inwardly opening spring-pressed check valve carried by said inner end wall, a piston slidable in said cylinder, a tubular piston rod fixed to said piston slidable through said closure and having an upper intake opening, and a lower outlet opening, and a handle fixed on the upper end of said rod.

2,493,678
STEAM GENERATING BOILER
John Marini, New York, N. Y.
Application March 18, 1944, Serial No. 527,097
4 Claims. (Cl. 122—448)



1. A steam generating boiler apparatus or unit comprising a generator heating water flowing under a substantially constant predetermined pressure, means for controlling the heat input to said generator to produce steam, a flash chamber and a first conduit from said generator to said flash chamber continuously discharging said steam and water to the latter, the flash chamber being under a substantially constant predetermined pressure which is lower than that in said generator and separating said steam from water still contained therein, a throttling type control valve in said conduit to regulate the rate of discharge of said steam into said flash chamber means connecting said heat input controlling means and said throttling type control valve means responsive to pressure in the flash chamber to automatically control said heat input means into the generator and regulate said throttling type control valve, a steam conduit extending from said flash chamber, a water tank having an air chamber communicating therewith and being under substantially the same constant pressure as said generator, a second conduit connecting said water tank with said generator and a third conduit for removing said water from said flash chamber to said water tank, a first pump means in said third conduit, means responsive to the level of said water in said flash chamber to automatically control said first pump means in order to maintain a predetermined level of the water in said flash chamber, a feeding conduit including a second pump means for feeding water into said water tank, and means responsive to the pressure in said water tank to automatically control said second pump means, thereby maintaining substantially constant pressure in said water tank.

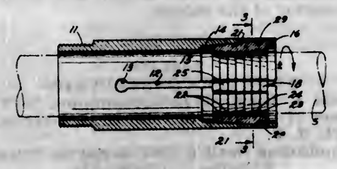
2,493,679
APPARATUS, INCLUDING A MANUALLY POSITIONED UPPER DIE FOR SHAPING ARMATURE COILS
Bruce W. Markey, Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 15, 1945, Serial No. 578,095
6 Claims. (Cl. 153—21)



1. In a machine for shaping armature coils or the like, said machine having a press head, a manually positioned upper die adapted to be pressed by said press head, a lower die adapted to cooperate with said upper die, said lower die forming with said upper die the exact configuration in which one side of an armature coil is to be press formed therebetween, the improvement comprising, means for adjusting said lower die in any of a number of different positions transversely of the vertical plane from side to side through the center of said press head, whereby armature coils of varying cross sections can be press formed.

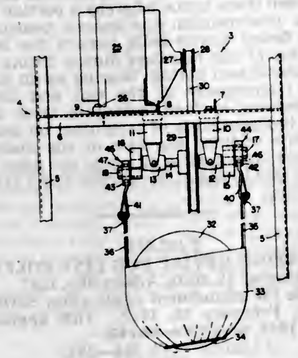
6. In a machine assembly of at least two machines for shaping armature coils or the like, each said machine having a press head adapted to cooperate with a manually positioned upper die, a lower die adapted to cooperate with said upper die, a lower die forming with said upper die the exact configuration in which one side of an armature coil is to be pressed therebetween, the improvement comprising, positioning at least two of the said machines side by side with the press heads, upper dies and lower dies in lengthwise registry, and interconnected means for energizing said press heads at the same time, whereby an armature coil having one side of greater length than can conveniently be handled by one machine can be press formed by at least two of said machines positioned side by side as aforesaid.

2,493,680
PUSHER
Stoddard B. Martin, Cleveland, Ohio; Central National Bank of Cleveland, executor of said Stoddard B. Martin, deceased, assignor to Margaret J. Martin
Application August 26, 1944, Serial No. 551,317
7 Claims. (Cl. 279—46)



1. A pusher comprising a resiliently expansible shell having a conical pad-engaging surface on its inner wall, and a plurality of mutually free stock-engaging pads having conical outer walls slidably engaging the conical surface on said shell, the inner stock-gripping surfaces of said pads being formed to increase the friction thereof against said stock, and said shell being tensioned inwardly to press the edges of said pads into mutual contact circumferentially, such as to maintain the inner gripping surfaces of said pads centered in the shell with stock removed therefrom.

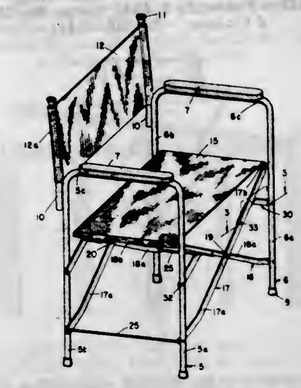
2,493,681
BALL CLEANING MACHINE AND METHOD
Joseph Urban Mayer, John J. Kehoe, and Edward L. Conard, Waterloo, Iowa
Application August 9, 1946, Serial No. 689,600
6 Claims. (Cl. 134—6)



6. The method of cleaning a ball comprising placing the ball in a flexible bag having an interior polishing surface embracing the ball, suspending the bag from two diametrically opposed points on the mouth thereof, and reciprocating the points of suspension vertically and alternately and through relatively different extents of movement to impart an oscillatory movement of the bag relative to the ball and to effect a progressive rotation of the ball relative to the bag.

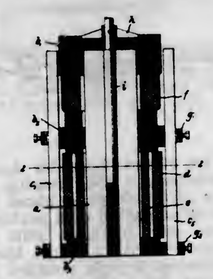
2,493,682
FOLDING CHAIR
John P. Meehan, San Gabriel, Calif.
Application June 27, 1946, Serial No. 679,707
2 Claims. (Cl. 155—140)

1. In a folding chair, two inverted U-shaped side frames, a seat frame composed of U-shaped members disposed crosswise of each other between the side frames and pivotally connected together intermediate their ends for relative swinging movement, one of said members having its free ends pivotally secured to the respective sides of one of the side frames adjacent their bottom ends and the other of said members having its free ends pivotally secured to the respective sides of the other side frame, a flexible seat secured at its respective ends on the top portions of said members, and auxiliary bracing means for each of said members comprising a link pivotally secured at one end to a side of said member and pivotally secured at its other end to a side of the contiguous side frame, each of said links having intermediate its ends an abutment portion disposed in the plane of movement of the side of the U-shaped member to which it is



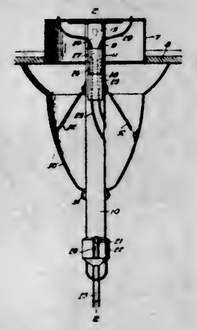
pivotally secured whereby to arrest movement of said member.

2,493,683
TRANSFORMER WITH REGULATING CHOKE COILS
August Meyerhans, Rieden, near Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application September 20, 1946, Serial No. 698,366
In Switzerland September 21, 1945
7 Claims. (Cl. 171—119)



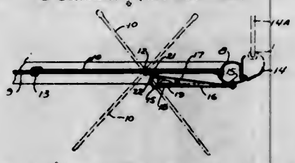
1. In a combined transformer and regulating choke coil structure, the combination comprising a central radially laminated core; top and bottom laminated yokes positioned transversely of said core; a third laminated yoke positioned transversely of said core intermediate said top and bottom yokes and through which said core passes, said intermediate transverse yoke being common to the magnetic circuits of said transformer and choke coil, a plurality of laminated side yokes positioned longitudinally of said core and adjoining said transverse yokes, said side yokes being arranged concentrically about said core with the laminations thereof lying in planes parallel to the core axis; primary and secondary transformer windings surrounding said core between said intermediate bottom transverse yokes, and a choke coil surrounding said core between said intermediate and top transverse yokes, and means for varying the reluctance of that portion of the magnetic circuit associated with said choke coil.

2,493,684
DETACHABLE ELECTRIC LIGHT FIXTURE
Leslie A. Minton, Portland, Oreg.
Application February 5, 1945, Serial No. 576,168
6 Claims. (Cl. 248—343)



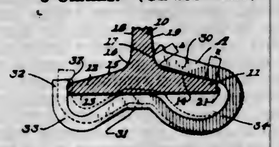
1. An electric lamp fixture comprising a supporting member, a stem having a slip connection with said member, a catch mounted in the stem to engage said member, a rod slidable in the stem and cooperable with said catch to disengage it from said member, and said rod having an actuating finger piece clear of said stem.

2,493,685
VENTILATING DEVICE FOR AUTOMOBILES
Harvey T. Moler, Detroit, Mich.
Application September 15, 1947, Serial No. 774,158
4 Claims. (Cl. 160—44)



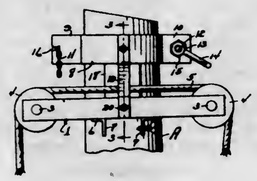
1. In a device of the character described, including an automobile body having a window opening and a pivotable glass panel for closing the same, the combination of a perforated plate positioned over said opening, said perforated plate being provided with a frame, there being a vertically positioned flexible member secured to said frame along the trailing edge thereof and adapted to contact said movable glass panel.

2,493,686
RAIL ANCHOR
George L. Moore and James R. Steele, Owego, N. Y., assignors, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application December 18, 1945, Serial No. 635,668
3 Claims. (Cl. 238—327)



1. A rail anchor comprising a bar of resilient metal bent to provide a terminal portion for overlying one base flange of a railroad rail, a portion providing a bottom bearing for engaging the bottom surface of the rail, a rail flange edge engaging terminal portion, a portion connecting the last mentioned portion with the portion for bearing against said bottom surface of the rail base, and a portion connecting the bottom bearing portion with said flange overlying terminal portion and forming a depending tie abutting loop, the said rail flange overlying terminal portion formed with spaced bearing surfaces located at different distances above said bottom bearing, one of said bearing surfaces for engaging an area on the inclined upper-surface of the rail flange immediately adjacent the outer edge of the flange and the other of said spaced bearing surfaces formed to exert resilient gripping pressure transversely of the rail against an area of the fillet at the base of the rail web and the said terminal portion being out of contact with the rail throughout the spacing between these areas, whereby a portion of said terminal intermediate the spaced bearing surfaces is flexed downwardly toward the inclined top surface of the rail base during tilting of the anchor about said bottom bearing as an axis extending transversely of the rail and the said spaced bearing surfaces maintain their seating contacts independently of each other on said fillet and on the inclined top face of the underlying base flange immediately adjacent the edge thereof during said tilting of the anchor about said bottom bearing.

2,493,687
HOISTING DEVICE FOR LINE POLES
Harvey C. Mott, Adairsville, Ga.
Substitute for abandoned application Serial No. 432,361, February 25, 1942. This application July 6, 1948, Serial No. 37,113
3 Claims. (Cl. 254—195)



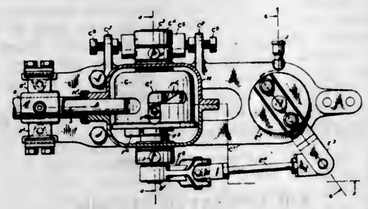
1. A hoisting device for use on line poles, comprising an elongated relatively narrow pulley block, pulleys journaled at the ends of the block, a hoisting rope trained about the pulleys for disposal in bridging relation thereto, clamping means for disposal in surrounding relation to the pole, said clamping means including a saddle plate, said plate having an arcuate portion to follow the curvature of the pole, a pole penetrating pin fixed to the arcuate portion, an eyebolt having its shank extending through one end portion of the plate and the opposite end of the plate being notched, a handled nut on the shank, a spacing collar between the nut and the plate, a chain connected to the eyebolt and receivable in the notch for adjustment of the clamping means to fit poles of various diameters, and a bracket secured to and depending from the arcuate portion and having its lower end detachably secured to the block.

2,493,688
VEHICLE DIRECTION INDICATOR
William Edward O'Shei, London, England
Application June 3, 1947, Serial No. 752,192
In Great Britain June 6, 1946
8 Claims. (Cl. 177—329)



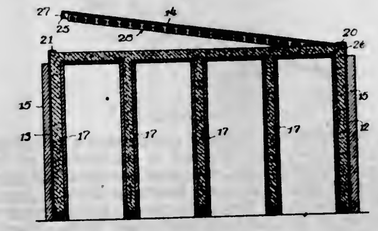
1. A vehicle direction indicator comprising an arm moulded of translucent flexible plastic material having such elastic properties that it can flex when knocked without cracking, said arm being moulded with a cavity which is open along one edge of the arm, and means positioned within said cavity and extending longitudinally of said opening for maintaining the side walls of the cavity spaced apart.

2,493,689
ELECTRIC SWITCHGEAR
Douglas Arthur James Oxley, Banbury, England
Application March 15, 1948, Serial No. 14,922
In Great Britain March 21, 1947
11 Claims. (Cl. 200—48)



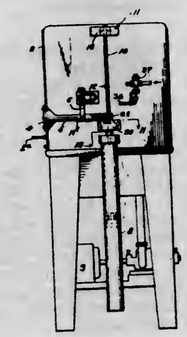
1. Electric switchgear including an arm pivoted at one end to move about a transverse pivotal axis substantially perpendicular to its length, a moving contact carried by the arm near its other end, mechanism for producing a twisting movement of the arm about its longitudinal axis followed by a swinging movement about its transverse pivotal axis, such mechanism including an operating shaft coaxial with the said transverse pivotal axis of the arm, interengaging members one secured to the shaft and spaced from it in a direction substantially parallel to the length of the arm, and the other secured to the arm and spaced from it in a direction substantially parallel to the shaft.

2,493,690
FIRE-RESISTING CABINET CONSTRUCTION
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application November 8, 1946, Serial No. 708,616
3 Claims. (Cl. 109—82)



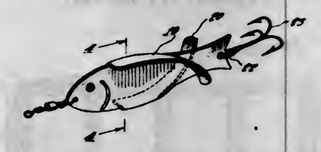
1. In a fire-resisting cabinet structure, a sheet metal shell including two pairs of opposed panels defining a rear wall opening of said cabinet, one of said pairs of panels having inwardly extending marginal flanges, a molded monolithic insulation for said panels and closing said rear opening, and a metal panel overlying said rear wall insulation having an end portion thereof inserted beneath the marginal flange of a proximate panel, and also having a pair of marginal flanges along its sides fitting over the edges of the other pair of proximate panels, and continuous reinforcing strips fixed to the under face of said overlying rear panel adjacent its marginal flanges and permanently imbedded in the proximate insulation to secure said overlying rear panel to said cabinet structure.

2,493,691
DISHWASHING MACHINE
Phillip M. Pappas, Houston, Tex.
Application June 29, 1943, Serial No. 492,765
9 Claims. (Cl. 134—57)



1. In a dish washing machine, the combination with a casing provided with a door, of a timing device associated with said casing, means holding said timing device in a set position while the door is open, means for unsetting said timing device when said door is closed, means actuated by the closing of the door for operating a switch, and means associated with said timing device for operating a rinsing valve.

2,493,692
SPINNING LURE FOR FISH
Lawrence Tony Pareti and Alexander Manista, Clifton, N. J.
Application February 23, 1949, Serial No. 77,858
2 Claims. (Cl. 43—42.51)



2. An artificial minnow comprising a relatively thin, flat body part shaped to correspond to the shape of a living minnow and having a tail portion, and oppositely and laterally turned vanes, attached at their forward ends to the upper and lower edges of said body part, said vanes extending rearwardly at said body part with portions thereof in spaced relation from the sides thereof and having their rear extremities curved downwardly and upwardly, respectively, along the sides of said body part and terminating below the lower and upper edges, respectively, of said body part adjacent said tail portion.

2,493,693
MICA PRODUCT AND METHOD OF MAKING THE SAME
Alfred Eric Parkinson, East Lansdowne, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
No Drawing. Application April 4, 1946, Serial No. 659,672
16 Claims. (Cl. 154—2.6)

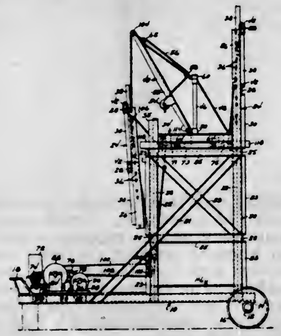
1. A built-up mica product comprising mica splittings bound together by the water-insoluble product of the fusion of a water-soluble reaction product of a water-soluble alkali metal silicate and a water-soluble alkali metal aluminate, the alkali metal being selected from the group consisting of sodium and potassium.

2,493,694
MICA PRODUCT AND METHOD OF MAKING THE SAME
Randall Huron Shepard, Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
No Drawing. Application April 4, 1946, Serial No. 659,671
20 Claims. (Cl. 154—2.6)

1. A built-up mica product comprising mica splittings bound together by the water-insoluble product of the fusion of a water-soluble reaction product of a water-soluble alkali metal silicate and of a water-soluble alkali metal aluminate, the alkali metal being selected from the group consisting of sodium and potassium, and of a compound selected from the group consisting of borax glass and boric acid.

2,493,695
HOISTING TOWER
Ralph V. Payne, Washington, D. C.
Application September 9, 1946, Serial No. 695,728
1 Claim. (Cl. 187—2)

In a temporary elevator structure for building construction, the combination which comprises a base frame including a platform with four corner posts extended upwardly therefrom and supported by diagonal braces, a motor positioned on the platform, a plurality of drums mounted on the platform, means actuating the drums by the motor, said posts having keyhole slots in the side surfaces and positioned at the upper ends thereof, a plurality of units having posts connected by cross beams and diagonal braces with the posts thereof positioned to stand on the upper ends of the posts of the platform, said posts of the units having keyhole slots in the side surfaces thereof, connecting cross beams having headed studs thereon with the studs positioned to enter the keyhole slots of the posts for interlocking the lower ends of the posts of the units to the upper ends of supporting posts, an elevator platform positioned between the posts of the units, blocks diagonally positioned across the corners of the



units for supporting the elevator platform, a stiff-leg derrick having a boom with a winch thereon carried by the elevator platform, an elongated pulley block suspended from the elevator platform, a plurality of pulleys in the pulley block and on the elevator structure, a unit hoisting cable extended from a drum of the motor over pulleys in the pulley block and on the boom for attachment to a unit of the structure for elevating the unit, and an elevator hoisting cable extended from another drum of the motor and trained over a pulley in a unit positioned on one side of the structure, around pulleys of the pulley block of the elevator and to an anchoring point in the upper end of a unit on the opposite of the structure whereby as force is applied to the cable the cable elevates the elevator platform with the derrick thereon to a new position.

2,493,696
AIR OPERATED SHEARS
George Potstada, Oakland, Calif.; Magdalena Potstada administratrix of said George Potstada, deceased
Application December 29, 1945, Serial No. 638,242
2 Claims. (Cl. 30—228)

1. Pruning shears comprising a tubular member, a fixed blade rigidly secured on one end of said tubular member and having a working face at one side of the longitudinal center of the tubular member beyond the end thereof, a movable blade pivoted to the fixed blade and having a working surface disposed on the opposite side of the center of the tubular member when said blade is in open position, a pneumatic motor having a cylinder with two opposing cylinder heads, the first of said cylinder heads being secured to and in axial alignment with said tubular member, a movable piston in said cylinder, an elongated connector rod extending through said tubular member and connected at one end to the movable blade and at the opposite end to said piston whereby reciprocation of the latter will correspondingly actuate the former, a stop member adjustably mounted in the second of said cylinder heads to limit the reciprocable movement of the piston,



a compression spring disclosed intermediate said second cylinder head and piston tending to move said piston toward the first cylinder head, and manually operated valve means to be connected with a source of air under pressure and operable to admit the same to the cylinder to actuate the piston and move it toward the second cylinder head.

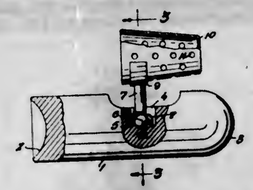
2,493,697
PROFILE BUILDING PUZZLE
Edward Raczkowski, Bronx, N. Y.
Application August 19, 1946, Serial No. 691,436
2 Claims. (Cl. 35—28)



1. An educational puzzle comprising a base having an upstanding post disposed therein, a plurality of horizontal layer members adapted to be placed on said base one above the other, said upstanding post extending through each of said layer members, each layer member having an outer face which constitutes a section of a profile of an object to be displayed, and all said layer members, when properly assembled, constituting a complete profile of the entire object, each of said horizontal layer members being formed of a plurality of jig-saw pieces, at least some of said jig-saw pieces extending to the outer edge of said layer members.

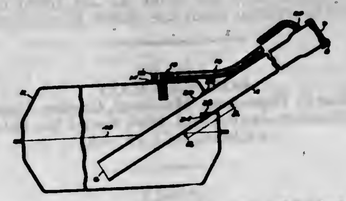
2,493,698
THIMBLE GRIP SWIVEL BAR FOR GUITARS
Francis A. Schwartz, Bradford, Pa.
Application September 12, 1946, Serial No. 696,835
1 Claim. (Cl. 84—319)

A device for playing the steel guitar comprising a metal bar hollowed at one end and rounded at the other end, a depression having curved ends in the bar intermediate of its ends, a circular recess formed in the bar centrally of the depression, a projection in said recess centrally thereof having a semi-spherical ball receiving seat therein, a post having a ball at one end adapted to be received in said seat, a collar



threadably engaging the projection and loosely engaging the ball for permitting swivelling movement of the post, a forked member on the upper end of the post and a thimble having a plurality of ventilating holes fixed in said forked member.

2,493,699
TANK WITH BREATHER OPENING IN FILL PIPE
Frank P. Scully, Belmont, Mass., assignor to Scully Signal Company, East Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1947, Serial No. 777,210
7 Claims. (Cl. 116—109)

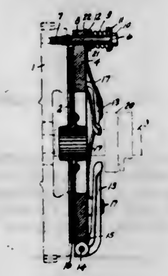


1. The combination of a tank, a fill pipe having a deep fill extension within said tank, a gas-operated audible signaling device having its gas receiving end positioned within and near the top of said tank and operable to give a distinctive sound during the filling of said tank as displaced gas flows through said device as the liquid level rises, said device operable to cause cessation of said distinctive sound to give an indication when the liquid has risen to a predetermined level, a vent pipe leading from said signaling device to a point in said fill pipe higher than the top of said tank, and a breather opening through said fill pipe at a point within and a substantial distance above the bottom of said tank, whereby, as liquid whose level is below the level of said opening surges in said tank, pressure in said tank and said vent pipe will differ an amount insufficient to cause normal sound producing movement of gas through said signaling device.

2,493,700
FRICTION CLUTCH
Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application May 8, 1946, Serial No. 668,104
6 Claims. (Cl. 192—99)

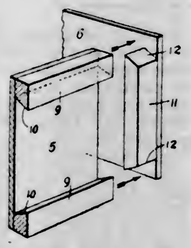
1. In a friction clutch including driving and driven elements including a pressure ring, spring

means acting on the pressure ring and loaded to press the ring to engage the clutch, radially-extending throw-out levers having their inner ends normally free to be acted upon outwardly by centrifugal force; the combination of means for transferring the action of the levers under the centrifugal force to the pressure ring in such direction as to augment the springs, said



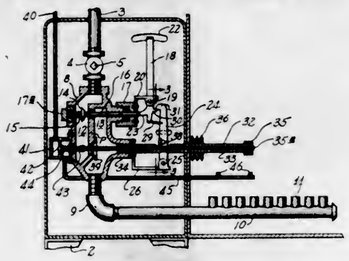
transfer means including levers having their inner ends lapping the inner arms of the throw-out levers in order to be pressed outwardly thereby during the movement of the levers under the centrifugal force and having their outer ends fulcrumed to thrust against the spring means to additionally load the same as the speed of the clutch increases, when the clutch is engaged.

2,493,701
BOX OR CRATE
Arthur C. Thompson, Montreal, Quebec, Canada
Application January 18, 1946, Serial No. 641,934
1 Claim. (Cl. 217—5)



A box or crate comprising prefabricated bottom, top, side and end walls, each prefabricated end wall including a panel and a pair of parallel cleats extending transversely across the upper and lower portions of the panel at the marginal edges thereof, each cleat being formed with a beveled surface at each end overlying and facing toward said panel, each side wall including a panel and a pair of cleats extending vertically of the side wall across the ends of the side wall and disposed on the inner face thereof so as to overlap the end walls, the ends of each side wall cleat being formed with a mitered bevel conforming to the beveled surface on the end wall cleats and interposed between the end wall panel and the beveled surfaces of the cleats when the walls are assembled, and means for holding said ends and side walls in assembled relation.

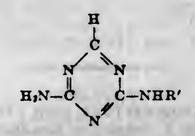
2,493,702
SAFETY THERMAL GAS-FLOW CONTROL
William S. Thompson, Oklahoma City, Okla.
Application November 17, 1948, Serial No. 60,493
6 Claims. (Cl. 158—117.1)



1. In a thermal gas flow control mechanism for a stove the combination with a burner, provided with a valve casing having a chamber, a partition in said chamber dividing the same into two compartments and said partition having spaced valve seats, with a fluid fuel supply pipe connected to one compartment of the chamber, and the burner connected to the other compartment of the chamber, of a manually opened biased closed gas flow control valve engaging one of said seats, a thermal tube carried by said casing and connected to the compartment of the chamber connected to the burner, a thermal rod on said tube and extending into both compartments of said chamber a second control valve for the other seat on said thermal rod and in opposed relation to said first control valve, said tube and thermal rod being thermally responsive to the burner, manually operated means for opening the first control valve, latch mechanism for retaining the first control valve in open position, and release mechanism actuated by the thermal responsive action of the burner on the tube and thermal rod to permit closing of the first control valve and the operation of the valves permitting fuel to be admitted to the burner when the second valve is open and the first valve is closed.

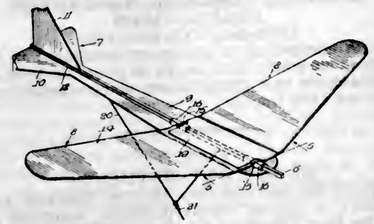
2,493,703
AZO GUANAMINES
Jack Theo Thurston and Donald William Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 20, 1947, Serial No. 749,358
3 Claims. (Cl. 260—153)

1. An azo guanamine of the formula



in which R' is an aryleneazoaromatic radical and the bond between the nitrogen on the 4-carbon atom of the triazine ring and R' is a nitrogen to carbon linkage.

2,493,704
AIRPLANE TYPE KITE
Alphonse J. Tomczyk, Chicago, and Melvin C. Spreitzer, Des Plaines, Ill.
Application March 21, 1947, Serial No. 736,210
5 Claims. (Cl. 244—154)



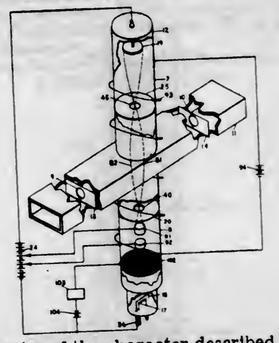
1. As a new article of manufacture, an airplane type kite comprising a longitudinally extending beam provided at its rear end with a fin variety tail structure, a pair of complemental wing sections projecting outwards in opposite directions from the front end of the beam and each embodying an elongated one-piece U-shaped frame-forming wire arranged so that the curved part thereof is outermost, tapered outwards in the direction of said curved part, and having the ends thereof connected to said front end of the beam, and an elongated covering-forming envelope shaped conformably to, and extending over, the wire, consisting of one-piece upper and lower sheets of imporous paper with the front, outer end, and rear margins thereof pasted together, and having the inner end thereof open in order that it may be slid onto and off of said wire, and releasable means for securing the inner ends of the envelopes in place adjacent said front end of the beam.

2,493,705
FOUR-WAY UMBRELLA
Franz Vogel, New York, N. Y.
Application March 16, 1946, Serial No. 654,870
3 Claims. (Cl. 224—5)



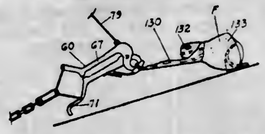
2. As a new article of manufacture, an umbrella carrying attachment comprising a length of cord formed at one end with a looped portion secured back upon itself defining a loop at one end thereof, a knob of cylindrical shape having an annular groove thereabout within which the other end of the cord is engaged and retained, and a member formed with a key hole shaped opening through which said knob and cord may be extended and a tubular end on said member for attachment to one end of the umbrella stick.

2,493,706
ELECTRONIC SWITCH
Brenton P. Washburne, Pleasantville, and James A. Eyster, Chappaqua, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application March 30, 1948, Serial No. 17,856
12 Claims. (Cl. 332—56)



1. A device of the character described comprising, a first wave guide for the transmission of microwave energy therethrough, a second wave guide intersecting said first wave guide and extending in a direction parallel to the lines of electric intensity of the microwave energy introduced in said first wave guide, means for generating a beam of electrons in said second wave guide section, means for selectively projecting said beam of electrons across said first wave guide in a direction parallel to the lines of electric intensity of the microwave energy introduced therein and means for maintaining a vacuum in said second wave guide and the portion of said first wave guide intersected thereby.

2,493,707
METHOD OF SKINNING MEAT
William F. Weber, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application October 20, 1944, Serial No. 559,548
4 Claims. (Cl. 17—45)

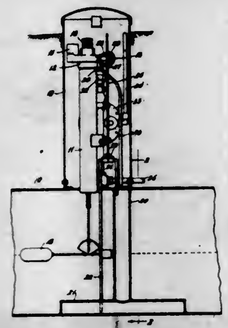


1. A method of skinning meat pieces comprising loosening the skin at one edge of the piece with the piece disposed so that said edge is in rearward position, holding the loosened skin against forward movement, and moving said piece forwardly while permitting the piece to turn as the skin is removed therefrom.

2,493,708
LIQUEFIED GAS DISPENSING SYSTEM
Loyd J. White, San Antonio, Tex., assignor to Southern Steel Co., San Antonio, Tex., a corporation of Texas
Application October 26, 1938, Serial No. 237,113
4 Claims. (Cl. 62—1)

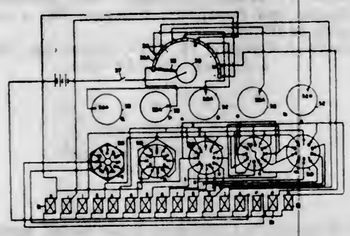
3. In a liquefied petroleum gas dispensing system of the class described, a pressure storage tank

adapted to be buried in the ground in heat exchanging relation with the surrounding earth; a liquid eduction pipe leading from the bottom portion of the tank through the tank wall to discharge liquid due to the vapor pressure in the tank; a vaporizing chamber connected to the liquid eduction pipe having a wall constituting a



portion of the tank and adapted to absorb heat directly from the earth; a pressure reducing regulator having a valve in said liquid eduction pipe outside of said tank adapted to discharge a mixture of liquid and vapor into said vaporizing chamber; a vapor discharge pipe connected to said vaporizing chamber, and a filling valve connected to the tank.

2,493,709
AUTOMATIC TYPEWRITER
Carlos Wittenmyer, Mount Clemens, Mich.
Application January 6, 1944, Serial No. 517,154
5 Claims. (Cl. 235—59)



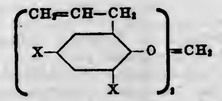
1. In combination, a typewriter, having a carriage and a plurality of keys, and a device adapted to arrange a plurality of elements to present a series of characters to be typed, a plurality of solenoids each adapted when energized to actuate a typewriter key corresponding to one of said characters, a plurality of potential electric circuits each including one of said elements and the solenoid corresponding to the character carried thereby, means mechanically actuated by said carriage for momentarily completing said circuits in sequence said means including a roller movable at will to contact with said carriage and thereby cause such actuation, and means for supplying an electric current to each circuit as completed.

2,493,710
CARBAMIC ACID ESTERS
John A. Aeschlimann, Montclair, N. J., and Arthur Stempel, Brooklyn, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 21, 1947, Serial No. 736,429
13 Claims. (Cl. 260—479)

1. A compound of the group consisting of dimethyl carbamic acid esters of phenolic primary alkylamines and phenolic secondary alkylamines, and the salts thereof.

2,493,711
DI-ARYLOXY-METHANES
Edgar C. Britton and Ezra Monroe, Midland, and Clare R. Hand, Stanford, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application September 2, 1948, Serial No. 47,554
4 Claims. (Cl. 260—613)

1. A di-(aryloxy)-methane having the following formula:



wherein one X is hydrogen and the other X represents a member of the group consisting of hydrogen, chlorine, methoxy, cyclohexyl and lower alkyl radicals containing from 1 to 4 carbon atoms, inclusive.

2,493,712
STABILIZED IRON PENTACARBONYL AND MOTOR FUEL CONTAINING THE SAME
Robert Edward Christ, Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,397
16 Claims. (Cl. 44—67)

1. A composition comprising iron pentacarbonyl blended with from about 1 to about 50% by volume on the pentacarbonyl of an acidified hydrocarbon-soluble neutral alkylamide of a saturated aliphatic hydroxy polycarboxylic acid in which the alkyl radical of each of the amide groups contains at least 4 carbon atoms, the alkylamide being acidified with no more than an equal volume of a hydrocarbon-soluble carboxylic acid.

2,493,713
STABILIZED IRON PENTACARBONYL AND MOTOR FUEL CONTAINING THE SAME
Robert Edward Christ, Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,398
16 Claims. (Cl. 44—67)

1. A composition comprising iron pentacarbonyl blended with from about 1 to about 50% by volume on the pentacarbonyl of an acidified hydrocarbon-soluble neutral alkylester of a saturated aliphatic hydroxy polycarboxylic acid in which the hydroxy portion is free and the alkyl radical of each of the ester groups contains at least 4 carbon atoms, the alkylester being acidified with no more than an equal volume of a hydrocarbon-soluble carboxylic acid.

2,493,714
STABILIZED IRON PENTACARBONYL AND MOTOR FUEL CONTAINING THE SAME
Robert Edward Christ, Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,399
16 Claims. (Cl. 44—67)

1. A composition comprising iron pentacarbonyl blended with from about 1 to about 50% by volume on the pentacarbonyl of an acidified hydrocarbon-soluble neutral alkylester-alkylamide of a saturated aliphatic hydroxy polycarboxylic acid in which the hydroxy portion is free and the alkyl radical of each of the ester and amide groups in each instance contains at least 4 carbon atoms, the alkylester-alkylamide being acidified with no more than an equal volume of a hydrocarbon-soluble carboxylic acid.

2,493,715
STABILIZED IRON PENTACARBONYL AND MOTOR FUEL CONTAINING THE SAME
Robert Edward Christ, Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,400
20 Claims. (Cl. 44—67)

1. A composition comprising iron pentacarbonyl blended with a minor proportion of a hydrocarbon-soluble partial alkylamide of a saturated aliphatic hydroxy polycarboxylic acid wherein the alkyl radical of the amide group in each instance contains at least four carbon atoms, the amount of the alkylamide being sufficient to increase the stability to light of the iron pentacarbonyl.

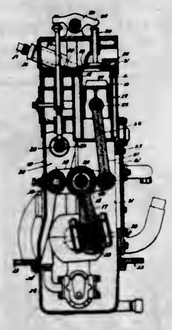
2,493,716
STABILIZED IRON PENTACARBONYL AND MOTOR FUEL CONTAINING THE SAME
Robert Edward Christ, Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,401
10 Claims. (Cl. 44—67)

1. A composition comprising iron pentacarbonyl blended with a minor proportion of a hydrocarbon soluble partial alkyl ester-alkyl amide of a saturated aliphatic hydroxy polycarboxylic acid of at least three carboxyl groups, in which the hydroxy portion is free and the alkyl radical of the ester and amide groups in each instance contains at least four carbon atoms, the amount of the alkyl ester-alkyl amide being sufficient to increase the stability to light of the iron pentacarbonyl.

2,493,717
STABILIZED IRON PENTACARBONYL AND MOTOR FUEL CONTAINING THE SAME
Robert Edward Christ, Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,402
20 Claims. (Cl. 44—67)

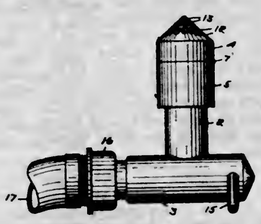
1. A composition comprising iron pentacarbonyl blended with a minor proportion of a hydrocarbon-soluble partial alkylester of a saturated aliphatic hydroxy polycarboxylic acid in which the hydroxy portion is free and the alkyl radical of the ester group in each instance contains at least four carbon atoms, the amount of the alkylester being sufficient to increase the stability to light of the iron pentacarbonyl.

2,493,718
LEVER ENGINE ACTION
Clarence C. Chronic, Freeport, Ill., and Clifford A. Shaffer, Pasadena, Calif., assignors to Lever Motors Corporation, Wheaton, Ill., a corporation of Delaware
Application September 14, 1944, Serial No. 554,048
5 Claims. (Cl. 74—40)



1. In a lever operated internal combustion engine, a crank shaft and a connecting rod extending therefrom, a piston and a piston rod extending therefrom, an operating lever having one end pivoted at the side of the engine connected intermediate its ends to the connecting rod and connected at its other end to the piston rod, the operating lever comprising two spaced extremities with bearing openings therethrough and the bearing connection for the connecting rod and piston rod each comprising a sleeve extending through the connecting rod and piston rod and also extending through the corresponding spaced bearing openings of the lever.

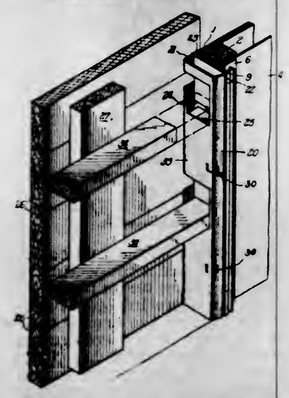
2,493,719
VALVE CONTROLLED MULTIPLE OUTLET NOZZLE
Haig S. Garabedian, Watertown, Mass.
Application July 27, 1946, Serial No. 686,653
2 Claims. (Cl. 299—144)



1. In a spray nozzle, the combination of a hollow tubular body, a cap mounted on said body for adjustment around the axis of the body, a plunger mounted in said body, said cap and said plunger each having conical end portions, means holding the conical end of the plunger normally in contact with the correspondingly shaped internal end surface of said cap, the cap and the plunger each having two concentric rows of apertures in them,

one row in each of said members being circular and the other row in each member extending only partway around the axis of said body, and the apertures in the inner row in each of said members being staggered with reference to those in the outer row whereby substantially all of the apertures in both the plunger and the cap may be brought into register with each other when desired, but the apertures in the shorter rows may be adjusted progressively into register with each other to the exclusion of the apertures in the outer row.

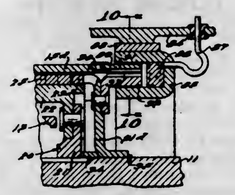
2,493,720
RAILWAY CAR DOOR PROTECTOR
Patrick J. Hogan, New Haven, Conn.
Application February 12, 1945, Serial No. 577,531
4 Claims. (Cl. 20—30)



1. For use in a railway car having a doorway between spaced post assemblies, each assembly comprising a vertical metallic member having a portion lying in a plane normal to said doorway and a metallic door stop secured to said member and having a part substantially in the plane of said portion, and a door for closing said opening engaging said door stop when in closed position; means to protect said door from outward thrust of lading within the car, said means comprising a vertical channel member facing each post assembly with the flanges of said channels welded to said portion and part, respectively, to provide reinforcements for said post assemblies, one flange of each channel provided with a slot communicating with a slot in the web of the channel, the slot in the web being wider than the slot in the flange, with the upper edges of the slots being in substantially the same plane, and beams extending between said post assemblies for support within said slots in said webs, said beams being insertable in the slots in the webs through the slots in said flanges.

2,493,721
CLUTCH
Ludger E. La Brie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application February 20, 1941, Serial No. 379,786, now Patent No. 2,374,688, dated May 1, 1945. Divided and this application April 26, 1945, Serial No. 590,453
10 Claims. (Cl. 172—284)

1. In a servo clutch mechanism having a driving member, a driven member, and means for establishing drive between said members, an eddy current structure for actuating said drive establishing means; comprising a rotatable ring drivingly connected to one of said members; a second rotatable ring operatively associated with said drive establishing means; each of said rings having an annular magnetizable portion, a field



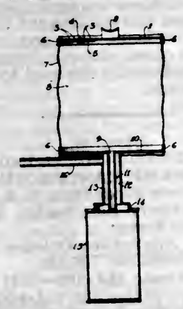
structure including magnetizable portions straddling said magnetizable portions of said rings and providing a magnetic circuit for said magnetizable ring portions; a field winding for energizing said magnetizable portions; and a plurality of polar projections on one of said rings in its said magnetizable portions arranged in juxtaposition with the said magnetizable portion of the other ring.

2,493,722
FOUNDATION GARMENT
Joseph Leonard and Hulda M. Ihsen, Allentown, Pa., assignors to Charis Corporation, a corporation of New York
Application September 20, 1948, Serial No. 50,026
2 Claims. (Cl. 2—37)



1. A foundation garment of the character described comprising an inelastic front panel member, an inelastic back panel member, and inelastic side panel members, at least two elastic gore members inserted in the back panel member with the bases of such gore members at the top of the panel member and with their sides tapering substantially to a point within the garment, such gore members being separated from each other by a section of inelastic material and such gore members being disposed so that they form a mirror image of each other with respect to a center line running vertically through the inelastic section between them, an elastic gore member inserted in each side panel member with the base of each such gore member at the bottom of the side panel member and with the sides of such gore member tapering substantially to a point within the garment, the narrowest portion of such gore member overlapping the narrowest portions of the gore members in the back panel member, the gore members in the side panels being separated from each other and from the gore members in the back panel member by portions of inelastic material, said gore members in the side panels being extensible horizontally but not vertically, and the elastic gore members in the top back panel member being extensible at a positive angle relative to the vertical axis of the garment and in a direction such that the lines of extensibility converge within the garment.

2,493,723
POWDER DISTRIBUTOR
George E. Lynn, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application August 6, 1945, Serial No. 609,241
1 Claim. (Cl. 43—147)



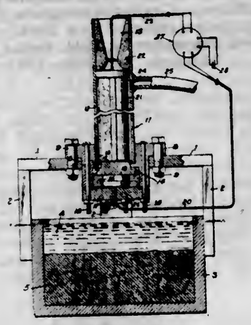
A powder duster comprising a bellows having end plates, an air-intake port with a check valve and a handle on one of said end plates, an air-discharge tube extending axially from the other end plate, an outer tube of larger diameter secured to said other end plate concentrically enclosing in spaced relation said air-discharge tube and defining therewith a mixing chamber, said outer tube being adapted to serve also as a handhold, a cap secured to the open end of said outer tube adapted to engage a coupling of a powder container, and a delivery tube laterally projecting from said outer tube.

2,493,724
QUICK-DRYING WRITING INKS
Raymond Lemuel Mayhew, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1945, Serial No. 604,507
11 Claims. (Cl. 106—22)

1. A quick-drying writing ink comprising in solution a copper phthalocyanine of the benzene series having attached to the phenylene nuclei a plurality of aliphatic sulfonamide groups, a hygroscopic polyhydric alcohol, water and caustic alkali, the content of caustic alkali in the ink being equivalent to from about 0.5–2% of sodium hydroxide.

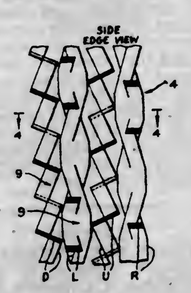
2,493,725
PARTIAL BURNING APPARATUS
John McMorris, deceased, late of Pasadena, Calif., by Helen C. McMorris, administratrix, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of War
Application June 24, 1946, Serial No. 678,748
11 Claims. (Cl. 73—167)

1. Apparatus for partially burning a propellant charge in a rocket motor comprising a tube having a nozzle at one end, said apparatus comprising means for mounting said motor in a fixed position, removable closure means for closing the end of the motor opposite from the nozzle, retaining means for holding the closure means in gastight relation over the end of the motor opposite from the nozzle, explosive means for removing



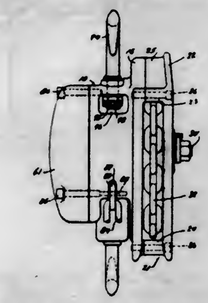
said retaining means and means igniting said propellant charge and said explosive means in predetermined sequence.

2,493,726
AIR FILTERING MEDIA
Cortland N. O'Day, Port Washington, N. Y., assignor to Air Devices, Inc., New York, N. Y., a corporation of New York
Application June 5, 1947, Serial No. 752,655
3 Claims. (Cl. 183—70)



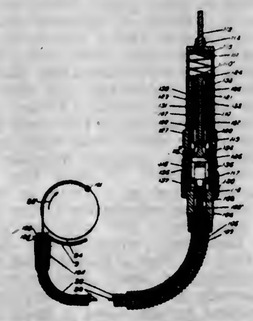
1. An air filter media comprising expanded sheets packed in filter panel form, each sheet consisting of a network of interconnected vanes coated on all surfaces with a viscous liquid, and having greater open-space area for the flow of a dusty air stream therethrough than viscous-surface area for dust arrestance and dust loading thereon, the viscous surfaces of said vanes in each sheet being inclined in the same direction to the plane of the sheet, with each successive sheet disposed in an oriented angular relation to the preceding sheet, at least four of said sheets being embodied as a group in the filter media, the successive orientation of the sheets of said group providing a 360° rotation of the air in passing therethru, whereby the dusty air stream entering the filter is divided and redivided into a multiplicity of small streams which are deflected laterally and guided forwardly with a turbulent mixing action along a helical course through the media, by which dust arrestance and loading as aforesaid is effected centrifugally on the rear as well as the front viscous surfaces of the sheets.

2,493,727
HAND HOIST
Humphrey F. Parker, Kenmore, and Erford E. Robins, Tonawanda, N. Y., assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 16, 1944, Serial No. 568,420
7 Claims. (Cl. 254—169)



2. A housing comprising a frame having end walls and connecting side walls forming a load-lift wheel chamber and an operating shaft chamber, a load-lift wheel disposed in said wheel chamber and having a load-lift shaft supported in suitable bearings carried by said end walls, an operating shaft passing through said shaft chamber and supported in suitable bearings in said end walls, gear means connecting said load-lift wheel shaft with said operating shaft, a hand chain wheel carried by said operating shaft, a multi-part hand chain guide arranged about said wheel, one part of said guide being integral with said frame, and the other part thereof being detachably secured to the first part, a load chain engaging said load-lift wheel, a two-part load chain guide disposed in said wheel chamber, sleeve inserts carried by one of said end walls and having their inner faces in abutting relation to said load chain guide, and means for securing said last mentioned guide to the inserts.

2,493,728
CABLE RELEASE FOR CAMERA SHUTTERS
Stanley A. Russell, Baldwin, N. Y., assignor of one-third to Walter A. Campbell, Valatie, N. Y.
Application May 2, 1947, Serial No. 745,525
8 Claims. (Cl. 74—502)



1. A camera shutter control means comprising a flexible sheathing having a flexible cable therein, in combination with three principal springs and a plunger, said plunger comprising slidably connected plunger elements including means to limit the sliding movement of said elements, in further combination with auxiliary release springs on one of said plunger elements, one of said principal springs comprising a volute spring located in a housing and connected through the medium of a pulley directly to one end of the cable, the other end of the cable being connected directly to the other slidable element of said plunger, another of said principal springs being centered around one plunger element and exerting elongated tension on its surrounding element, said other principal spring comprising a flexible helical compression spring located within the sheathing and surrounding the flexible cable, said flexible spring being arranged to actuate the cable and the other slidable element of the plunger when sufficiently released by the release of the volute spring.

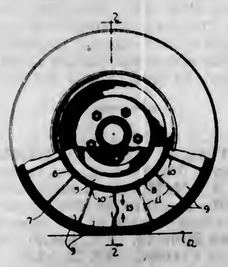
2,493,729
1-ALKYL-2-PHENYL-3-ALKYL INDANES AND PROCESS OF MANUFACTURE
Ulrich V. Solmssen, Essex Fells, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application October 23, 1946, Serial No. 705,235
11 Claims. (Cl. 260—613)

2. A process of preparing a 1-alkyl-2-(*p*-hydroxyphenyl)-3-alkyl-6-hydroxy-indane which comprises reacting a 2-(p-alkoxyphenyl)-3-alkyl-6-alkoxy-indene with an aldehyde, hydrogenating the fulvene obtained and converting the alkoxy groups of the resulting indane to hydroxyls by dealkylation.

2,493,730
2-(p-OXYPHENYL)-3-ISOPROPYL-6-OXY-INDANES
Ulrich V. Solmssen, Essex Fells, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application October 23, 1946, Serial No. 705,236
6 Claims. (Cl. 260—479)

4. 2-(p-oxyphenyl)-3-isopropyl-6-oxy-indanes.

2,493,731
PNEUMATIC TIRE
Michael Watter, Philadelphia, Pa.
Application September 10, 1946, Serial No. 695,983
1 Claim. (Cl. 152—333)



In a tube for pneumatic vehicle tires, a multitude of circumferentially distributed and spaced radial partition walls each provided in its mid-region with at least one radially extending slit which normally presents a throttling passage for the inflating medium between adjoining chambers but enlarges into a wide opening upon deformation of the tube under radially directed outside pressure.

2,493,732
STABILIZED CHOCOLATE SIRUP AND BEVERAGE
Barron S. Whittingham, New York, N. Y., assignor of thirty-three and one-third per cent to Julian S. Colyer and thirty-three and one-third per cent to Jerome N. Wanshel
No Drawing. Application November 2, 1946, Serial No. 707,539
9 Claims. (Cl. 99—25)

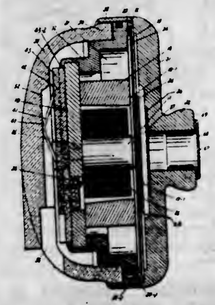
1. The method of preparing a cocoa emulsion which will form a stable emulsion in an aqueous medium consisting of the steps of mixing cocoa with an edible fat containing the stearyl radical in an aqueous medium having a pH of 3 to 5 while heating substantially to the boiling point, cooling the mixture to a temperature of 40 to 70° C., adding a base to obtain a pH of 8 to 9, cooling to a temperature of 30 to 45° C., adding an acid to obtain a pH of from 5.5 to 6.9, adding a dispersoid and cooling to room temperature.

2,493,733
PREPARATION OF 2,2,6,6-TETRAMETHYLOL-CYCLOHEXANOL
Harold Wittcoff, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application October 27, 1948, Serial No. 56,923
5 Claims. (Cl. 260—631)

1. Process of isolating 2,2,6,6-tetramethylolcyclohexanol from an aqueous reaction mixture resulting from the condensation of cyclohexanone and formaldehyde in the presence of a calcium oxide catalyst, which comprises rendering the aqueous reaction mixture slightly acidic with formic acid, evaporating the reaction mixture to dryness and extracting the dried reaction mixture with a low aliphatic alcohol to dissolve the 2,2,6,6-tetramethylolcyclohexanol, and separating the alcoholic solution from the insoluble inorganic material.

2,493,734
MAGNETIC INSERT EARPHONE INSERTABLE IN THE EAR OF THE USER
Harry A. Pearson, Mount Vernon, N. Y., assignor to Sonotone Corporation, Elmsford, N. Y., a corporation of New York
Application May 23, 1945, Serial No. 595,299
3 Claims. (Cl. 179—114)

1. In an insert earphone suitable for wear in the ear of the user: a circular vibratory diaphragm having a central concentric circular magnetic armature portion; a driving structure comprising a circular magnetic system having a permanently magnetized element for exerting magnetic forces on the inner side of the central armature portion including a circular central pole member and a permanently magnetized circular outer pole member constituting the sole permanently magnetized element thereof and surrounding a major part of said central pole member and radially spaced therefrom by a circular coil space, an outer wall having a sound outlet and forming with the outer side of the diaphragm a circular acoustic transmitting space, circular energizing windings confined in said coil space and surrounding the central pole member for producing audio-frequency vibrations of said diaphragm, and a circular aligning member holding said magnetic system, said diaphragm and said outer wall in their operative positions and having a continuous circular con-



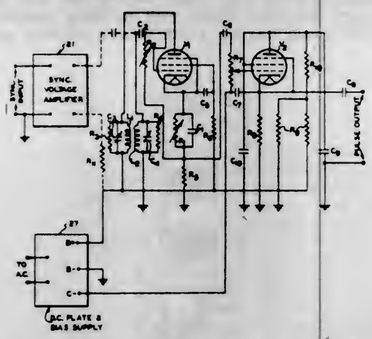
centric seating ridge, and the periphery of said diaphragm being held on said seating ridge by said magnetic forces; said circular elements of said magnetic system and said driving structure being all substantially concentrically and coaxially aligned with said diaphragm and said transmitting space, and said two pole members having two substantially concentric circular pole areas spaced by gaps from said armature; the axial length of said magnetic system being less than three halves of the axial length of the outer pole member and the entire earphone structure being small enough for inconspicuous wear in the ear of the user; parts of said driving structure constituting a substantially circular wall portion radially spaced from said outer pole member and bounding therewith a substantially circular acoustic compartment coupled to the circular inner peripheral region of said diaphragm for controlling the frequency of the sound output.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

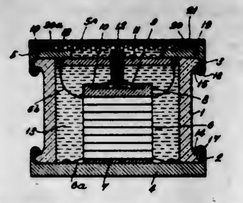
527,321. **PULSE GENERATOR.** Robert A. Kirkman, Elberon, N. J., assignor to the United States of America as represented by the Secretary of War. Filed Mar. 20, 1944. Published Jan. 3, 1950. Class 250—36–13.2. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



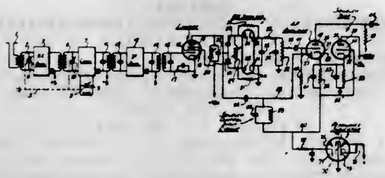
A pulse generator consisting of a pentode blocking oscillator providing a damped sine wave fed through cathode follower action to a pentode oscillator which isolates and limits the first high amplitude positive half cycle to provide a square pulse. Tuned grid and plate circuits of the blocking oscillator determine its frequency while it may be synchronized with an external source if desired. The oscillator has a large feedback and a large grid resistor to provide rapid quenching of oscillations. The amplifier is negatively biased and has a low plate voltage so as to clip the first positive half cycle of oscillations.

552,260. **ELECTRICAL CONDENSERS.** Charles L. Scheer, Haddonfield, and Harry V. Knauf, Jr., Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware. Filed Sept. 1, 1944. Published Jan. 3, 1950. Class 175—41. One sheet of drawings.



This disclosure relates to an electrical condenser for high frequency and high tension service. The device comprises a tubular insulating casing (1) with outwardly projecting flanges, metallic end terminals and covers (4 and 5) are spun over the flanges to close the ends of the casing. The metallic ends are each provided with a thin portion (17 and 18) which can be spun over flanges on the casing with a ring of resilient material (14) and (15) interposed therebetween. A metal pressure plate (11) having in its center a pressure screw (12) presses up against an inwardly extending portion of the cover (5). The bottom of the screw rests on a circular spring (9) which is seated in a plate (8) resting on the condenser stack. The hollow portions of the condenser structure are filled with an insulating oil or fluid. The stack through the above-mentioned cooperating elements is maintained under a constant pressure and the entire unit is thereby effectively sealed.

590,563. **FREQUENCY MODULATION RECEIVER TUNING AID.** Wendell L. Carlson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Apr. 27, 1945. Published Jan. 3, 1950. Class 250—20. Two sheets of drawings.



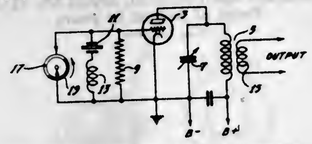
This application discloses an interchannel noise suppressor or squelch circuit for an FM receiver. The intermediate frequency wave is impressed on a discriminator-rectifier which, as illustrated, may be of the type disclosed and claimed in the patent to Koch, 2,410,983. The audio signal is developed across load resistor 32 of the discriminator-rectifier and is impressed on the control grid 36 of audio amplifier 37. A squelch control circuit 59, 62 is coupled by capacitor 63 to the primary resonant circuit 20, 21 of the discriminator network. However, squelch control circuit 59, 62 is more selective than the discriminator network 20, 21 and 27, 29, 30. A squelch voltage is developed by a squelch rectifier including cathode 38 of audio amplifier 37 and a special anode 57. A rectifier load circuit 56, 61 is connected serially with the squelch control circuit 59, 62 between cathode 38 and anode 57 of the squelch rectifier. The squelch voltage developed across resistor 56 is impressed by lead 55 on control grid 54 of squelch tube 50. Preferably, audio amplifier 37 has a relatively high amplification constant while squelch tube 50 has a relatively low amplification constant. The cathode 38 of audio amplifier 37 and the cathode 52 of the squelch tube 50 are tied together and connected to ground through bias network 39, 53.

The squelch circuit operates as follows. In the absence of a signal or as long as the receiver is not properly tuned, squelch tube 50 conducts space current thereby to develop a bias voltage across the common bias network 39, 53 which renders audio amplifier 37 inoperative. As soon as the receiver is properly tuned a carrier wave voltage is developed in squelch control circuit 59, 62 which is rectified by the squelch rectifier. The squelch voltage developed across resistor 56 is of

negative polarity and cuts off squelch tube 50. This, in turn, reduces the bias voltage applied to cathode 38 of audio amplifier 37 thereby rendering the audio amplifier operative.

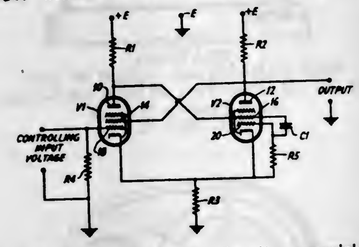
The squelch voltage developed across load resistor 56 may be applied to a visual tuning indicator 70 of the fluorescent target type. A filter network indicated at 72 may be used to remove the audio component of the squelch voltage.

643,682. **KEYING OF CRYSTAL OSCILLATORS.** Ben W. Robins, Jackson, Miss., assignor to Radio Corporation of America, a corporation of Delaware. Filed Jan. 26, 1946. Published Jan. 3, 1950. Class 250—36. One sheet of drawings.



An oscillator having a piezoelectric crystal resonator 11 to control the frequency thereof and keying means comprising a periodically actuated direct short circuiting element 17. An inductor 13 may be optionally serially connected to the crystal 11. The electrical inertia of the crystal maintains oscillation in the time interval when the crystal is short circuited, so that when the keying means 17 is open circuited the build up time for oscillations is reduced over normal methods of operation.

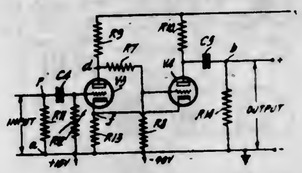
669,477. **TRIGGER CIRCUIT.** Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware. Filed May 14, 1946. Published Jan. 3, 1950. Class 250—27. One sheet of drawings.



A self-restoring trigger circuit comprising a pair of pentode vacuum tube structures whose anodes and screen grids are cross-coupled regeneratively, and whose cathodes are directly coupled together and provided with a common cathode resistor. The screen grid and control grid of one pentode tube are connected together by a capacitor which is adapted to be charged by the voltage applied to the anode of the other pentode. The control grid of this one pentode derives its bias from a resistor connected between the same grid and its associated cathode, which resistor is in the discharge path of the capacitor. An external controlling voltage is supplied to the control grid of the other pentode.

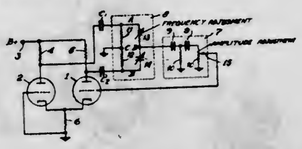
764,801. **ELECTRICAL DELAY CIRCUITS.** Hubert H. Wittenberg, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware. Filed July 30, 1947. Published Jan. 3, 1950. Class 250—27. One sheet of drawings.

As shown in the figure, the apparatus of the present invention involves two tubes V3 and V4 connected as a monostable multivibrator circuit, the condition of stability being attendant by the conduction of tube V3 and the extinction of tube V4. Positive-going pulses of considerable amplitude are applied to the grid of V3 through the capacitor C4, the grid itself being biased positively through resistance R12 in turn connected with a +15V bias supply. Upon the arrival of a positive-going pulse, the grid of V3 becomes conductive allowing the charging of C4 to a positive value substantially equal to the peak pulse amplitude. As soon as the pulse passes, point *p* again returns to potential of point *a*, putting a highly negative potential on the grid of V3 thereby cutting the tube off. Immediately V4 conducts and produces a negative-going pulse at the output terminals of the circuit. C4 then discharges through R12 at some predetermined rate until the



grid of V3 becomes sufficiently positive to allow some conduction in V3. Instantly, the grid of V4 goes negative cutting V4 off and establishing full conductance in V3. Along with the cutting off of V4, there is of course produced a positive-going pulse across the output terminals of the circuit. There is thereby provided a fixed time delay between the incoming positive-going pulse applied to the grid of V3 and the positive-going pulse appearing at the output terminals of the circuit upon extinction of V4. The value of this time delay may be controlled by varying the time constant of capacitor C4 and resistor R12. A particular feature of the circuit resides in the ability of V3 to be extinguished by a successive incoming pulse immediately upon return of V3 to a state of conduction corresponding to the stable mode of the circuit.

784,984. **OSCILLATORS.** George E. Brode, Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware. Filed Nov. 10, 1947. Published Jan. 3, 1950. Class 250—36–13.2. Two sheets of drawings.

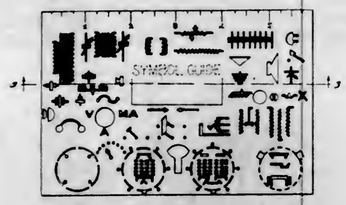


An oscillation generator of the phase shift type whose frequency and amplitude may be independently and precisely adjusted comprising an electron discharge device with an input circuit and an output circuit, a phase shifting network coupled between said circuits, said network having an adjustable voltage, fixed phase characteristic permitting amplitude adjustment, and a phase shifting bridge connected in series with said phase shifting network, said bridge having a constant voltage adjustable phase characteristic whereby the frequency of the oscillator may be adjusted.

DESIGNS

JANUARY 3, 1950

156,686
RADIO SYMBOL GUIDE
Jack W. Adams, Los Angeles, Calif.
Application January 30, 1948, Serial No. 144,181
Term of patent 7 years
(Cl. D52—1)



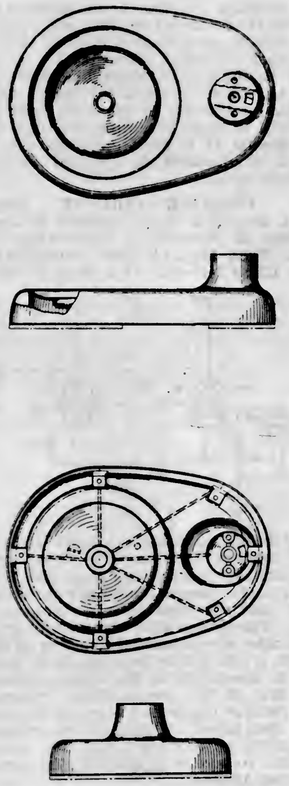
The ornamental design for a radio symbol guide, as shown.

156,687
PUPPET
Robert Y. Allen, Pacific Palisades, and Melvin Shaw, Beverly Hills, Calif., assignors to National Broadcasting Company, Inc., a corporation of Delaware
Application June 4, 1949, Serial No. 3,066
Term of patent 14 years
(Cl. D34—4)



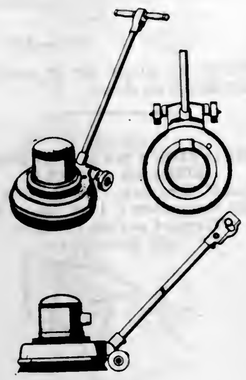
The ornamental design for a puppet, as shown.

156,688
SUPPORTING STAND FOR MOTOR-DRIVEN FOOD APPLIANCES OR SIMILAR ARTICLES
Marvin E. Allesee, Chicago, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Application April 23, 1947, Serial No. 138,552
Term of patent 14 years
(Cl. D44—1)



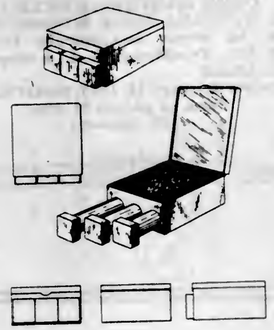
The ornamental design for a supporting stand for motor driven food appliances or similar articles, as shown and described.

156,689
FLOOR POLISHER
Kenneth C. Atkin, Muskegon, Mich., assignor to Clarke Sanding Machine Company, Muskegon, Mich, a corporation of Michigan
Application June 26, 1948, Serial No. 147,227
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a floor polisher, as shown.

156,690
COMPACT
Ruth M. Barton, San Francisco, Calif.
Application April 18, 1947, Serial No. 138,478
Term of patent 7 years
(Cl. D86—10)



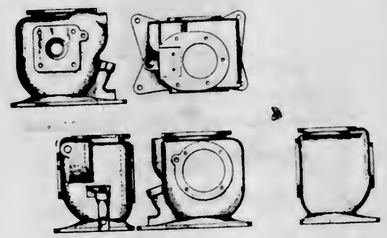
The ornamental design for a compact, as shown and described.

156,691
COMBINATION CHAIR AND COSTUMER
Edgar Belmont, Port Chester, N. Y.
Application March 12, 1947, Serial No. 137,541
Term of patent 14 years
(Cl. D15—1)



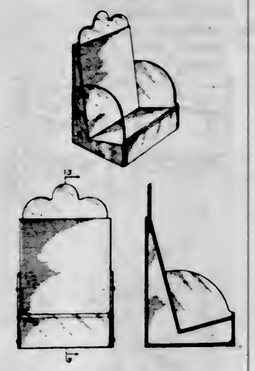
The ornamental design for a combination chair and costumer, substantially as shown.

156,692
ENGINE CRANKCASE
Harry S. Benjamin, Detroit, and Hallison R. De Harte, Farmington, Mich., assignors to The Leading Engine Company, Detroit, Mich., a corporation of Michigan
Application April 20, 1948, Serial No. 145,826
Term of patent 14 years
(Cl. D77—1)



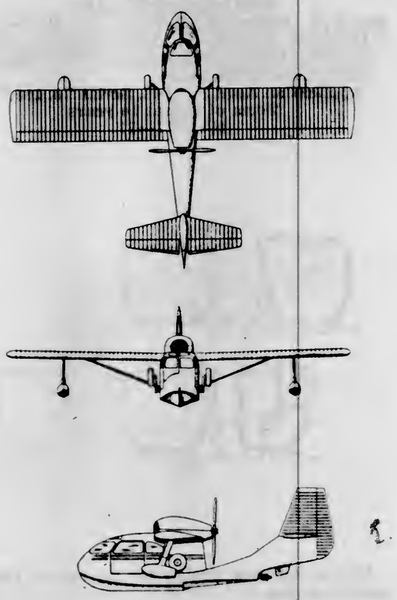
The ornamental design for an engine crankcase, as shown.

156,693
MAGAZINE RACK
Geo Bergal, New York, N. Y., assignor to Stores Publishing Co. Inc., New York, N. Y., a corporation of New York
Application September 9, 1948, Serial No. 148,517
Term of patent 14 years
(Cl. D33—2)

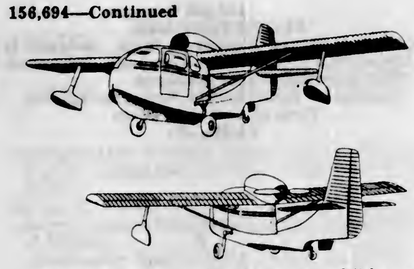


The ornamental design for a magazine rack, as shown.

156,694
AMPHIBIAN AIRCRAFT
Alfred Z. Boyajian, Farmingdale, N. Y., John Gitz, North Wales, Pa., and Percival H. Spencer, Fort Lauderdale, Fla., assignors to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application October 24, 1946, Serial No. 134,217
Term of patent 14 years
(Cl. D71—1)

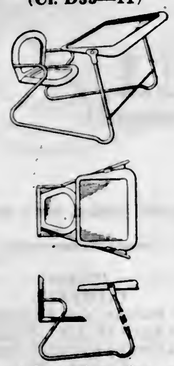


156,694—Continued



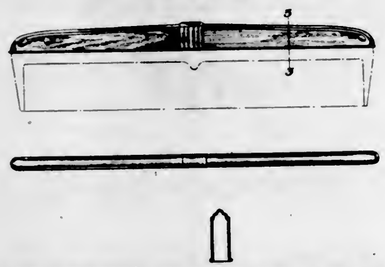
The ornamental design for an amphibian aircraft, substantially as shown.

156,695
COMBINATION CHAIR AND DESK OR SIMILAR ARTICLE
Max E. Brafman, New York, N. Y.
Application September 1, 1948, Serial No. 148,413
Term of patent 14 years
(Cl. D33—11)



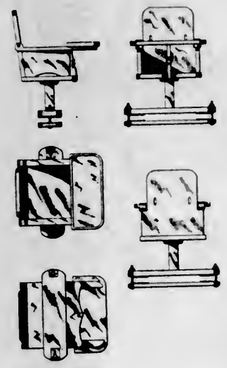
The ornamental design for a combination chair and desk or similar article, as shown.

156,696
COMB OR SIMILAR ARTICLE
Charles W. Bristol, North Attleboro, Mass., assignor, by mesne assignments, to Reibling-Lewis, Inc., Providence, R. I., a corporation of Rhode Island
Application January 14, 1948, Serial No. 143,723
Term of patent 14 years
(Cl. D86—8)



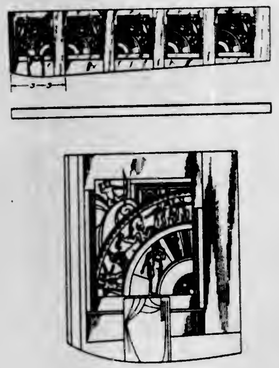
The ornamental design for a comb or similar article, as shown and described.

156,697
INFANT'S ATTACHABLE CHAIR
Lothar T. Buehler and Elmer W. Buehler, Milwaukee, Wis.
Application February 24, 1948, Serial No. 144,704
Term of patent 7 years
(Cl. D15—8)



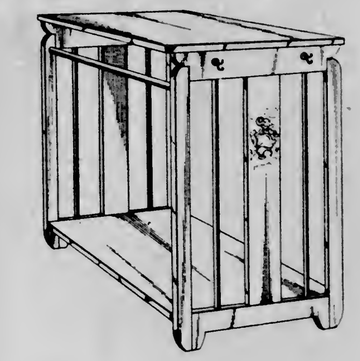
The ornamental design for an infant's attachable chair, as shown.

156,698
INTERIOR WALL PANEL
William Chavalas, Los Angeles, Calif., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif., a corporation of Delaware
Application August 12, 1946, Serial No. 132,453
Term of patent 14 years
(Cl. D68—1)



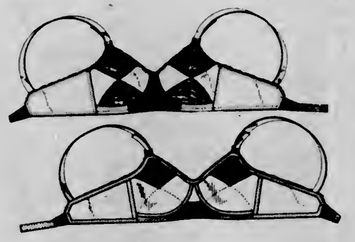
The ornamental design for an interior wall panel, as shown.

156,699
CHILD'S WARDROBE
William Joseph Cochrane, Wyndmoor, and Philip Henry Cochrane, Philadelphia, Pa.
Application February 21, 1948, Serial No. 144,662
Term of patent 14 years
(Cl. D33—19)



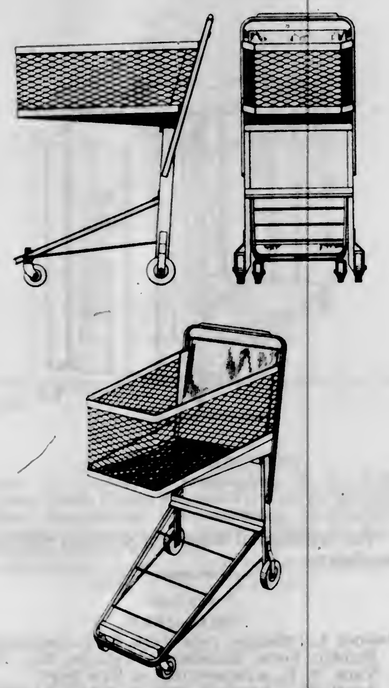
The ornamental design for a child's wardrobe, as shown.

156,700
BRASSIÈRE
Joseph A. Coleman, New York, N. Y., assignor to Malden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application August 3, 1948, Serial No. 147,909
Term of patent 14 years
(Cl. D20—4)



The ornamental design for a brassière, as shown.

156,701
SHOPPING CART OR SIMILAR ARTICLE
George W. Conklin, Suffern, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a corporation of New York
Application March 6, 1948, Serial No. 144,939
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a shopping cart or similar article, substantially as shown and described.

156,702
SHOPPING CART OR SIMILAR ARTICLE
George W. Conklin, Suffern, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a corporation of New York
Application June 10, 1948, Serial No. 146,867
Term of patent 14 years
(Cl. D14—3)

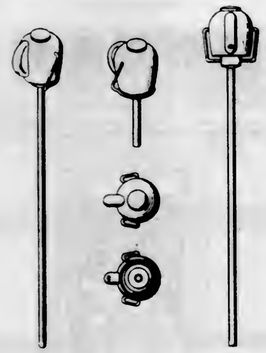


156,702—Continued



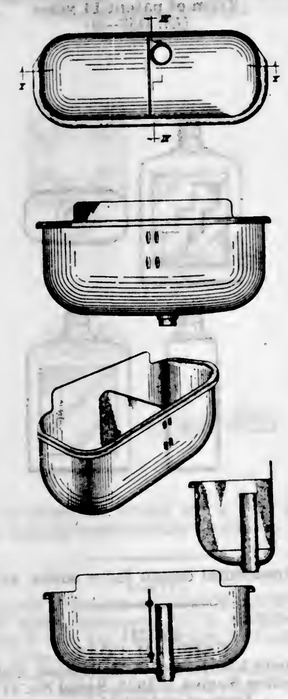
The ornamental design for a shopping cart or similar article, as shown.

156,703
SIPHON
William T. Croft, Long Beach, and William G. Goodale, Los Angeles, Calif.
Application March 22, 1948, Serial No. 145,264
Term of patent 14 years
(Cl. D2—3)



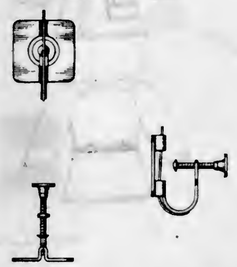
The ornamental design for a siphon, substantially as shown.

156,704
SINK
Ralph H. Culley, Rochester, N. Y.
Application April 15, 1947, Serial No. 138,419
Term of patent 14 years
(Cl. D4—2)



The ornamental design for a sink, as shown.

156,705
COMBINED EARRING CLASP AND ORNAMENT ATTACHMENT DEVICE
Selig M. Dannig, New York, and Gerald Skolnik, Brooklyn, N. Y.
Application January 19, 1949, Serial No. 332
Term of patent 7 years
(Cl. D45—9)



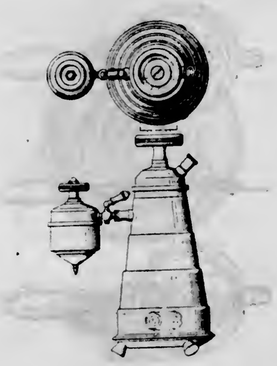
The design for a combined earring clasp and ornament attachment device, substantially as shown.

156,706
SLIP-TYPE UNDERGARMENT
Elizabeth Darwin, Los Angeles, Calif.
Application December 7, 1948, Serial No. 150,030
Term of patent 14 years
(Cl. D3—26)



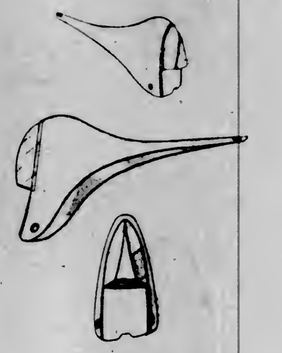
The ornamental design for a slip-type undergarment, as shown.

156,707
ELECTRIC COFFEE PERCOLATOR OR OTHER SIMILAR ARTICLE
Norbert Delacroix, Lyons, France
Application February 4, 1948, Serial No. 144,268
Term of patent 7 years
(Cl. D44—26)



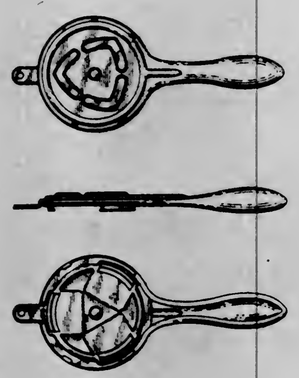
The ornamental design for an electric coffee percolator or other similar article, as shown and described.

156,708
FENDER ORNAMENT
John L. Dossmann and John A. Dossmann, South Gate, Calif.
Application April 29, 1949, Serial No. 2,336
Term of patent 3½ years
(Cl. D48—32)



The ornamental design for a fender ornament, substantially as shown.

156,709
CAP GRIPPER
John Draslek, Detroit, Mich.
Application December 6, 1947, Serial No. 142,998
Term of patent 14 years
(Cl. D44—29)



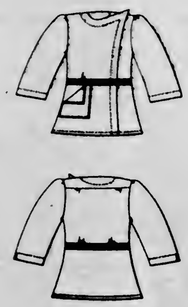
The ornamental design for a cap gripper, substantially as shown.

156,710
BOTTLE
Ernest L. Du Pree, Jr., Old Greenwich, Conn., assignor to Schenley Industries, Inc., a corporation of Delaware
Application June 4, 1948, Serial No. 146,752
Term of patent 14 years
(Cl. D58—6)



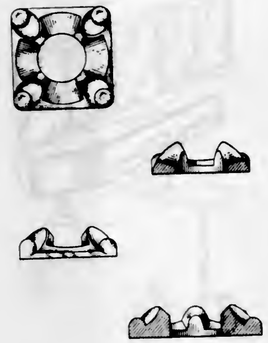
The ornamental design for a bottle, as shown.

156,711
UNIFORM COAT
Augusta Eberle, North Hollywood, Calif.
Application August 5, 1948, Serial No. 147,951
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a uniform coat, substantially as shown.

156,712
GEM SETTING OR SIMILAR ARTICLE
Ferdinand Eichmuller, Jenkintown, Pa., assignor to The Precious Metals Specialties Company, Inc., Newark, N. J., a corporation of New Jersey
Application September 10, 1948, Serial No. 148,547
Term of patent 14 years
(Cl. D45—1)



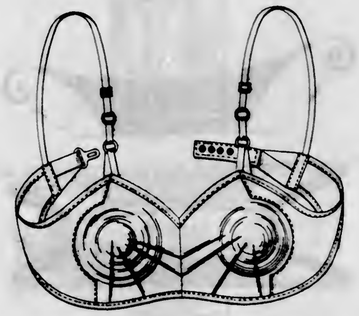
The ornamental design for a gem setting or similar article, substantially as shown.

156,713
ANTIRATTLER FOR AUTOMOBILE WINDOWS
Paul R. Engel, Rochester, N. Y., assignor to Carl Wirth & Son, Inc., Rochester, N. Y., a corporation of New York
Application November 23, 1948, Serial No. 149,786
Term of patent 14 years
(Cl. D10—10)



The ornamental design for an antirattler for automobile windows, as shown.

156,714
BRASSIERE
Olga Ertesek, Los Angeles, Calif.
Application September 13, 1948, Serial No. 148,561
Term of patent 7 years
(Cl. D20—4)



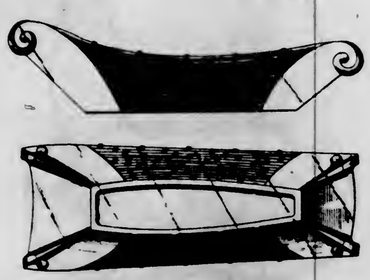
The ornamental design for a brassière, as shown.

156,715
ASH TRAY OR SIMILAR ARTICLE
Virginia B. Evans, Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application June 1, 1949, Serial No. 2,992
Term of patent 14 years
(Cl. D85—2)



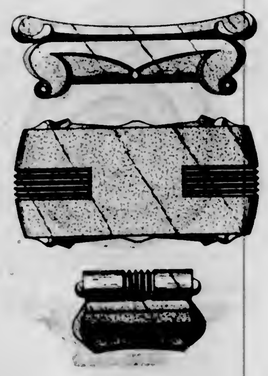
The ornamental design for an ash tray or similar article, substantially as shown.

156,716
BOWL OR SIMILAR ARTICLE
Virginia B. Evans, Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application June 1, 1949, Serial No. 2,993
Term of patent 14 years
(Cl. D85—2)



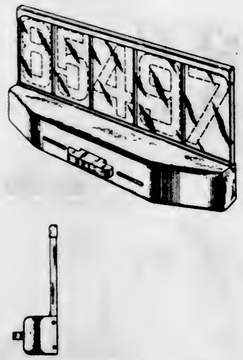
The ornamental design for a bowl or similar article, substantially as shown and described.

156,717
CIGARETTE BOX OR SIMILAR ARTICLE
Virginia B. Evans, Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application June 1, 1949, Serial No. 2,994
Term of patent 14 years
(Cl. D85—4)



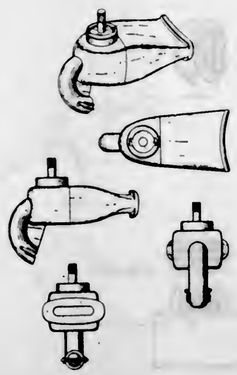
The ornamental design for a cigarette box or similar article, substantially as shown and described.

156,718
COMBINATION HOUSE NUMBER AND DOORBELL UNIT
Chauncey W. Ferris, Ann Arbor, Mich.
Application March 11, 1946, Serial No. 127,331
Term of patent 3½ years
(Cl. D1—12)



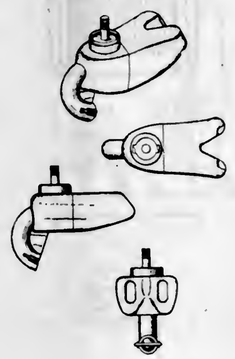
The ornamental design for a combination house number and doorbell unit, substantially as shown and described.

156,719
ORAL INHALATOR
Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application April 30, 1948, Serial No. 146,072
Term of patent 14 years
(Cl. D83—1)



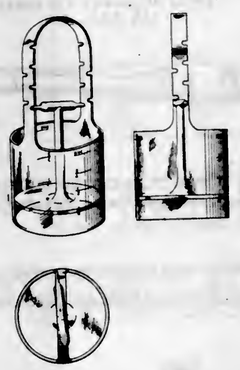
The ornamental design for an oral inhalator, substantially as shown.

156,720
NASAL INHALATOR
Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Original application April 30, 1948, Serial No. D. 146,072. Divided and this application September 28, 1949, Serial No. D. 5,196
Term of patent 14 years
(Cl. D83—1)



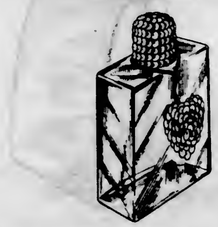
The ornamental design for a nasal inhalator, substantially as shown.

156,721
MEASURING DEVICE
Rosalie Stephens Fulton, Denton, Tex.
Application February 4, 1949, Serial No. 681
Term of patent 14 years
(Cl. D52—1)



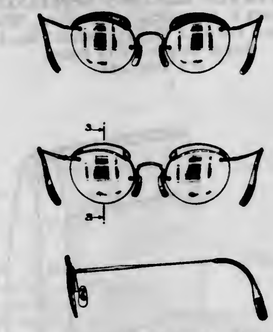
The ornamental design for a measuring device, as shown.

156,722
BOTTLE
Ranzy Mary Gammal, Braintree, Mass.
Application February 26, 1947, Serial No. 137,176
Term of patent 3½ years
(Cl. D58—6)



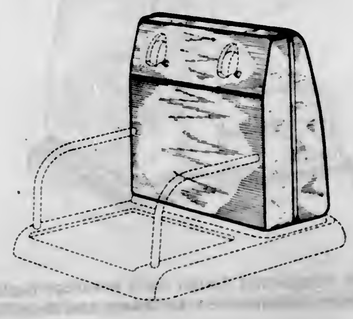
The ornamental design for a bottle, as shown and described.

156,723
PAIR OF SPECTACLES
Irene Gayson, New Britain, Conn.
Application July 29, 1949, Serial No. 4,195
Term of patent 14 years
(Cl. D57—1)

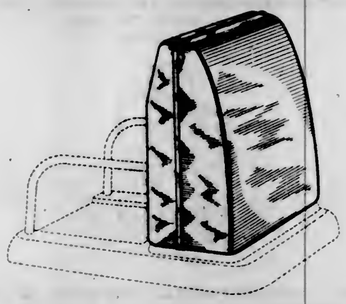


The ornamental design for a pair of spectacles, substantially as shown.

156,724
BEVERAGE HEATING APPLIANCE
Gilbert C. Gettelman, Hartford, Wis.
Application October 27, 1948, Serial No. 149,322
Term of patent 14 years
(Cl. D81—10)

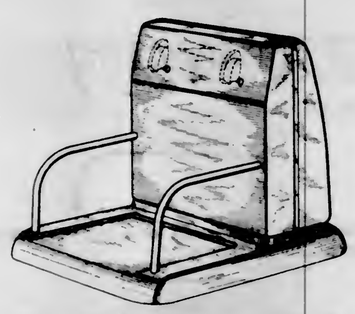


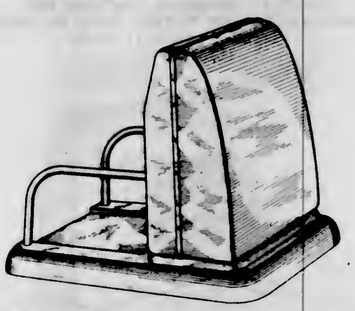
156,724—Continued



The ornamental design for a beverage heating appliance, substantially as shown and described.

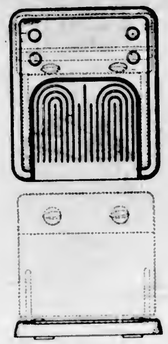
156,725
BEVERAGE HEATING APPLIANCE
Gilbert C. Gettelman, Hartford, Wis.
Application October 27, 1948, Serial No. 149,323
Term of patent 14 years
(Cl. D81—10)

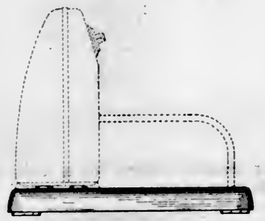




The ornamental design for a beverage heating appliance, substantially as shown and described.

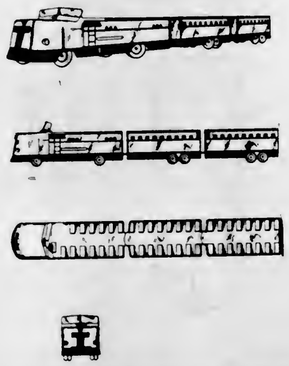
156,726
BEVERAGE HEATING APPLIANCE
Gilbert C. Gettelman, Hartford, Wis.
Application October 27, 1948, Serial No. 149,324
Term of patent 14 years
(Cl. D81—10)





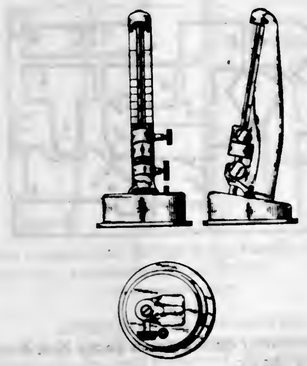
The ornamental design for a beverage heating appliance, substantially as shown and described.

156,727
ARTICULATED SIGHT-SEEING VEHICLE
William D. Graham, San Leandro, Calif.
Application December 27, 1947, Serial No. 143,379
Term of patent 3½ years
(Cl. D14—3)



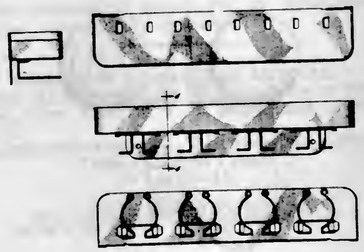
The ornamental design for an articulated sight-seeing vehicle, as shown and described.

156,728
HAIR TEXTURE GRADER
Robert E. Grigsby, Cincinnati, Ohio
Application September 17, 1946, Serial No. 148,644
Term of patent 14 years
(Cl. D52—1)



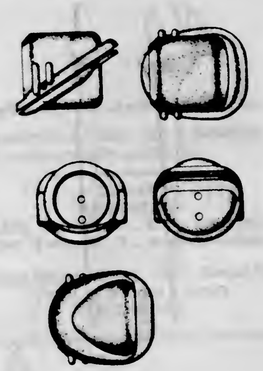
The ornamental design for a hair texture grader, substantially as shown.

156,729
SPICE AND CONDIMENT RACK
John C. Hampe and Harold T. Genge, Centralia, Wash.
Application July 27, 1948, Serial No. 147,794
Term of patent 7 years
(Cl. D44—29)



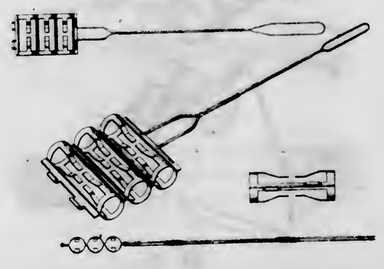
The ornamental design for a spice and condiment rack, as shown.

156,730
LIGHT SOCKET
Halbert W. Heard, Fox Point, Wis.
Application July 15, 1949, Serial No. 2,931
Term of patent 14 years
(Cl. D26—1)



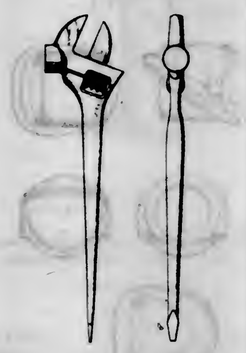
The ornamental design for a light socket, as shown.

156,731
BROILER
Charles B. Hobbs, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill., a corporation of Illinois
Application May 5, 1948, Serial No. 146,172
Term of patent 14 years
(Cl. D44—1)



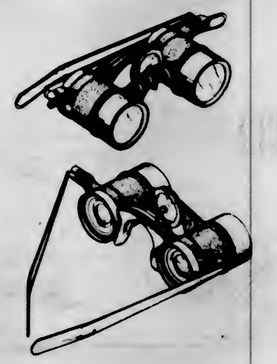
The ornamental design for a broiler, as shown.

156,732
COMBINATION TOOL
Arthur J. Hoeflicker, Long Beach, Calif.
Application November 22, 1948, Serial No. 149,760
Term of patent 14 years
(Cl. D84—16)



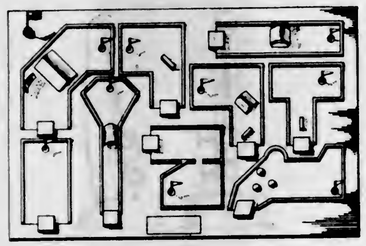
The ornamental design for a combination tool, substantially as shown.

156,733
FIELD GLASSES
Hans Hofer, Chicago, George Alto, Prospect Heights, and Robert Dix, Chicago, Ill.
Application September 1, 1949, Serial No. 4,809
Term of patent 14 years
(Cl. D57—1)



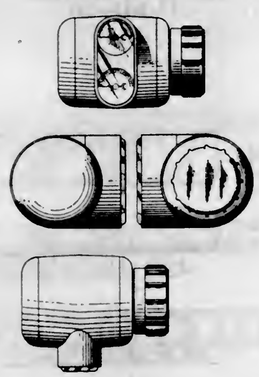
The ornamental design for field glasses, as shown and described.

156,734
GAME BOARD
Ruthe Z. Jacobson, Louisville, Ky.
Application October 16, 1947, Serial No. 141,939
Term of patent 3½ years
(Cl. D34—5)



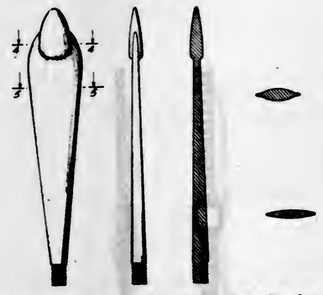
The ornamental design for a game board, substantially as shown.

156,735
FLUID PRESSURE REGULATOR
Wilgot J. Jacobson, Plainfield, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 23, 1947, Serial No. 140,465
Term of patent 14 years
(Cl. D52—1)



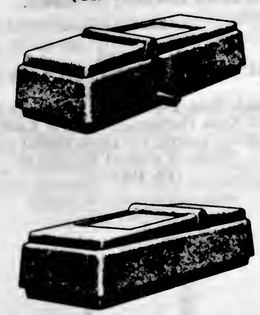
The ornamental design for a fluid pressure regulator, as shown and described.

156,736
HANDLE FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 20, 1948, Serial No. 146,471
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a handle for a container cap, substantially as shown.

156,737
AUTOGRAPHIC REGISTER
Russell S. Katz, Hamilton, Ohio, assignor to Paul Benninghofen and Eleanor C. Diesbach, Hamilton, Ohio, trustees
Application June 8, 1949, Serial No. 3,108
Term of patent 7 years
(Cl. D74—5)



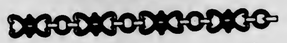
The ornamental design for an autographic register, substantially as shown.

156,738
BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 11, 1949, Serial No. 4,408
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

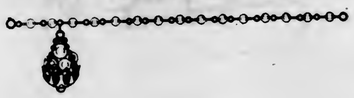
156,739
BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 20, 1949, Serial No. 4,629
Term of patent 7 years
(Cl. D45—4)

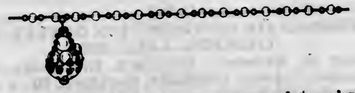




The ornamental design for a bracelet or similar article, substantially as shown.

156,740
BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 1, 1949, Serial No. 4,812
Term of patent 7 years
(Cl. D45—4)

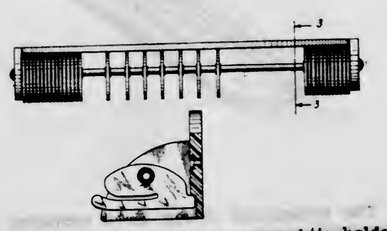




The ornamental design for a bracelet, substantially as shown.

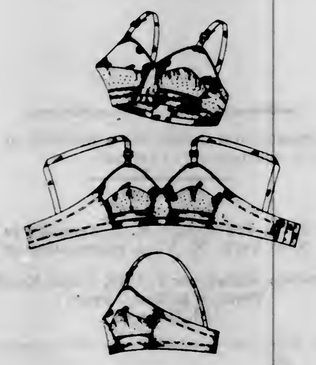
156,741
NECKTIE HOLDER
Dorothy B. Kauffman, Cleveland, Ohio
Application October 16, 1947, Serial No. 141,938
Term of patent 14 years
(Cl. D33—8)





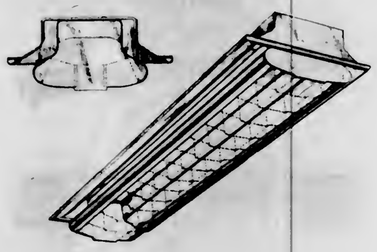
The ornamental design for a necktie holder, substantially as shown.

156,742
BRASSIÈRE
Zoma Stephens Keck, Canandaigua, N. Y.
Application July 31, 1948, Serial No. 147,865
Term of patent 14 years
(Cl. D20—4)



The ornamental design for a brassière, substantially as shown.

156,743
COMBINED AIR DISTRIBUTION OUTLET AND LIGHTING FIXTURE
Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application May 17, 1948, Serial No. 146,414
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a combined air distribution outlet and lighting fixture, substantially as shown and described.

156,744
COMBINED WRIST WATCH AND STRAP THEREFOR
Sherie Kent, New York, N. Y., assignor to D. Ornstein & Sons Corporation, New York, N. Y.
Application March 17, 1949, Serial No. 1,443
Term of patent 3½ years
(Cl. D42—8)



The ornamental design for a combined wrist watch and strap therefor, as shown.

156,745
COMBINED WRIST WATCH AND STRAP THEREFOR
Sherie Kent, New York, N. Y., assignor to D. Ornstein & Sons Corporation, New York, N. Y.
Application March 17, 1949, Serial No. 1,444
Term of patent 3½ years
(Cl. D42—8)



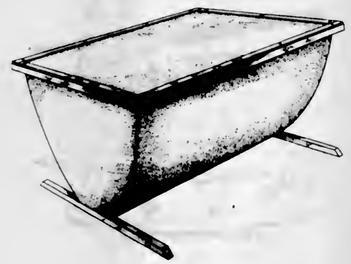
The ornamental design for a combined wrist watch and strap therefor, as shown and described.

156,746
COMBINED WRIST WATCH AND STRAP THEREFOR
Sherie Kent, New York, N. Y., assignor to D. Ornstein & Sons Corporation, New York, N. Y.
Application March 17, 1949, Serial No. 1,445
Term of patent 3½ years
(Cl. D42—8)



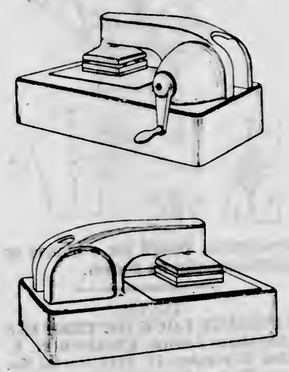
The ornamental design for a combined wrist watch and strap therefor, as shown and described.

156,747
PHOTOGRAPHIC LAYOUT TABLE
Joseph F. Knapp, Naugatuck, Conn., assignor to Knapp Machine Corporation, Waterbury, Conn., a corporation of Connecticut
Application January 20, 1948, Serial No. 143,891
Term of patent 14 years
(Cl. D61—1)



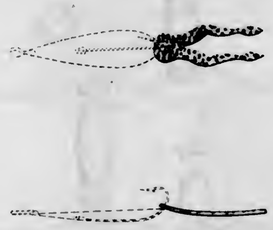
The ornamental design for a photographic layout table, substantially as shown.

156,748
CASING FOR A HAND-DRIVEN ADDRESS PRINTING MACHINE
Carl Olof Lamm, Stockholm, Sweden
Application January 12, 1948, Serial No. 309
Term of patent 14 years
(Cl. D64—10)



The ornamental design for a casing for a hand-driven address printing machine, substantially as shown.

156,749
COMBINED BAIT AND LURE
Karl R. Larson, Aitkin, Minn.
Application April 16, 1948, Serial No. 145,753
Term of patent 14 years
(Cl. D21—4)



The ornamental design for a combined bait and lure, as shown and described.

156,750
BLOUSE OR SIMILAR ARTICLE
Lucy Larsson, New York, N. Y.
Application January 23, 1948, Serial No. 143,988
Term of patent 14 years
(Cl. D2—25)



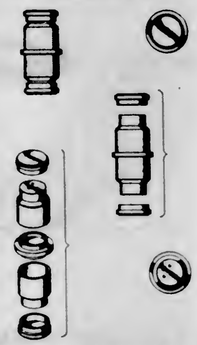
The ornamental design for a blouse or similar article, substantially as shown.

156,751
LUGGAGE LOCK OR THE LIKE
Abraham Levine, Elizabeth, N. J.
Application November 16, 1948, Serial No. 149,658
Term of patent 14 years
(Cl. D50—7)



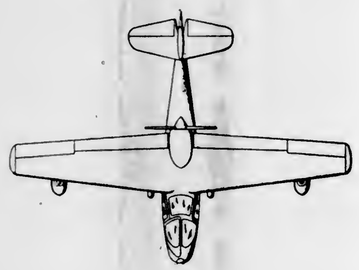
The ornamental design for a luggage lock or the like, as shown.

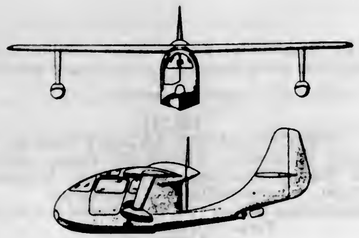
156,752
DUPLEX CONDIMENT HOLDER AND DISPENSER
John L. Lyons, North Hollywood, Calif.
Application August 12, 1947, Serial No. 140,829
Term of patent 7 years
(Cl. D44—22)



The ornamental design for a duplex condiment holder and dispenser, substantially as shown.

156,753
AMPHIBIAN AIRPLANE
Robert Wendell Miller, Farmingdale, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application December 30, 1944, Serial No. 117,199
Term of patent 14 years
(Cl. D71—1)





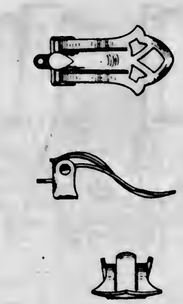
The ornamental design for an amphibian airplane, substantially as shown.

156,754
DRESS ENSEMBLE
Verone R. Moreno, Washington, D. C.
Application May 27, 1949, Serial No. 2,908
Term of patent 7 years
(Cl. D3—26)



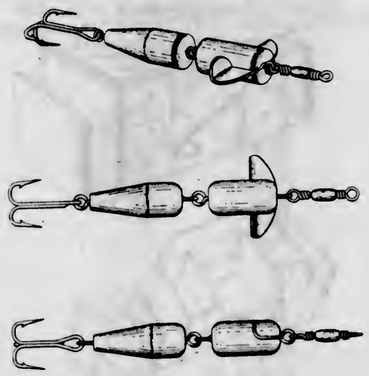
The ornamental design for a dress ensemble, substantially as shown.

156,755
EAR CLIP FINDING
Frederick W. Moulson, Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island
Application May 14, 1949, Serial No. 2,667
Term of patent 14 years
(Cl. D45—1)



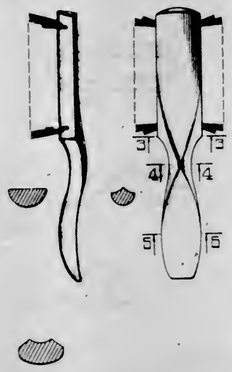
The ornamental design for an ear clip finding, substantially as shown.

156,756
FISH LURE
William Mozuras, Detroit, Mich.
Application March 2, 1949, Serial No. 1,166
Term of patent 14 years
(Cl. D31—4)



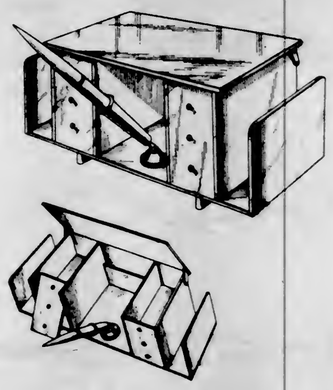
The ornamental design for a fish lure, as shown.

156,757
HAIRBRUSH
Peter Muller-Munk, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application August 9, 1947, Serial No. 140,800
Term of patent 7 years
(Cl. D36—10(2))



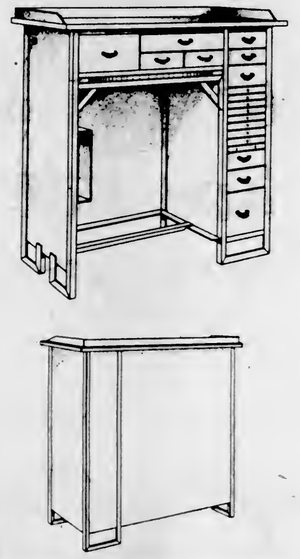
The ornamental design for a hairbrush, substantially as shown.

156,758
DESK STAND
Bruno Niesner, Milwaukee, Wis.
Application July 9, 1947, Serial No. 140,159
Term of patent 3½ years
(Cl. D74—1)



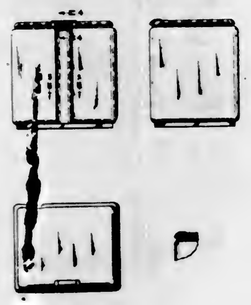
The ornamental design for a desk stand, as shown.

156,759
TECHNICIAN'S WORKBENCH
Frank J. Cuno, Houston, Tex., assignor to Alfab Manufacturing Company, Houston, Tex., a corporation
Application October 20, 1947, Serial No. 142,016
Term of patent 14 years
(Cl. D33—7)



The ornamental design for a technician's work bench, substantially as shown and described.

156,760
FREEZER CABINET
George Orley, Detroit, Mich.
Application January 29, 1949, Serial No. 567
Term of patent 3½ years
(Cl. D67—3)



The ornamental design for a freezer cabinet, as shown and described.

156,761
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 9, 1949, Serial No. 4,378
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

156,762
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 9, 1949, Serial No. 4,379
Term of patent 7 years
(Cl. D45—19)



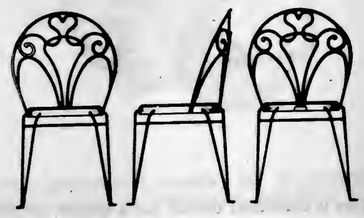
The ornamental design for a brooch or similar article, substantially as shown.

156,763
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1949, Serial No. 4,497
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

156,764
CHAIR OR SIMILAR ARTICLE
Vincent A. E. Primavera, Norton, Conn.
Application September 16, 1948, Serial No. 148,602
Term of patent 3½ years
(Cl. D15—1)

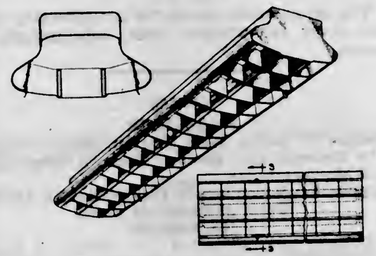


156,764—Continued



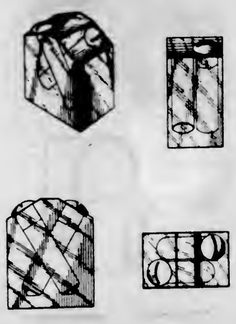
The ornamental design for a chair or similar article, substantially as shown.

156,765
LOUVERED FLUORESCENT LIGHTING FIXTURE
Murray L. Quin, Overland, Mo., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application May 17, 1948, Serial No. 146,421
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a louvered fluorescent lighting fixture, substantially as shown.

156,766
COMBINED SALT AND PEPPER SHAKER
William R. Redd, Western Springs, Ill.
Application October 15, 1947, Serial No. 141,917
Term of patent 3½ years
(Cl. D44—22)



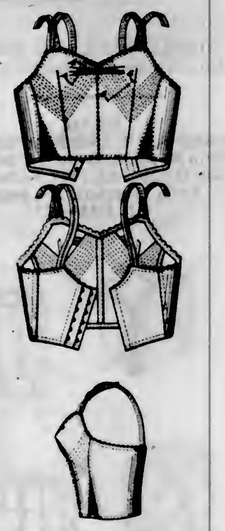
The ornamental design for a combined salt and pepper shaker as shown.

156,767
SUPPORTING BASE AND COVER FOR WINDOW LOCKS
Arthur J. Rochow, Pittsford, N. Y.
Application February 27, 1948, Serial No. 144,776
Term of patent 3½ years
(Cl. D16—10)



The ornamental design for a supporting base and cover for window locks, substantially as shown.

156,768
BRASSIÈRE
Charles M. Sachs, West Newton, Mass., assignor to Formaid Co., Boston, Mass., a corporation of Massachusetts
Application November 20, 1948, Serial No. 149,740
Term of patent 14 years
(Cl. D20—4)



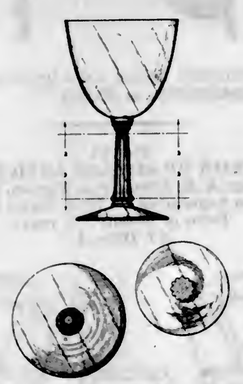
The ornamental design for a brassière, as shown.

156,769
JARDINIERE
George Sakier, Frenchtown, N. J., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application January 2, 1948, Serial No. 143,489
Term of patent 14 years
(Cl. D35—3)



The ornamental design for a jardiniere, as shown and described.

156,770
GOBLET
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application May 11, 1948, Serial No. 146,305
Term of patent 14 years
(Cl. D36—8)



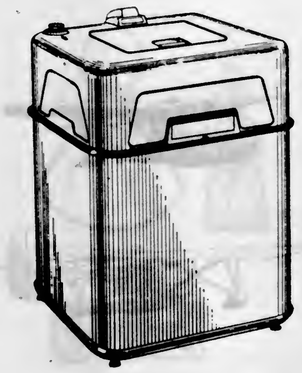
The ornamental design for a goblet, as shown.

156,771
WASHING MACHINE
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application October 14, 1948, Serial No. 149,117
Term of patent 14 years
(Cl. D49—1)



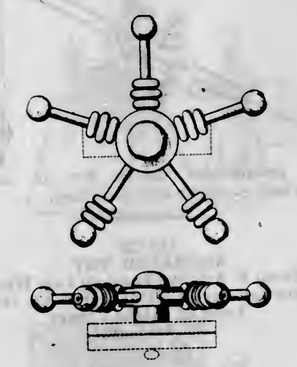
The ornamental design for a washing machine, substantially as shown and described.

156,772
AUTOMATIC CLOTHES WASHER
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application April 14, 1949, Serial No. 1,989
Term of patent 14 years
(Cl. D49—1)



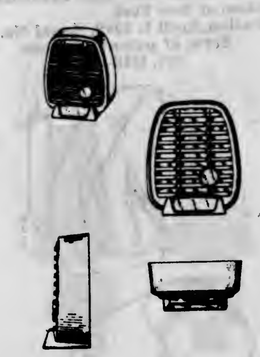
The ornamental design for an automatic clothes washer, as shown and described.

156,773
SPINNER TOY
Leonard W. Schaper, West Orange, N. J.
Application March 18, 1949, Serial No. 1,483
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a spinner toy, as shown and described.

156,774
MICROPHONE
Burt E. Schell, Jr., Evanston, Ill., assignor to Shure Brothers, Incorporated, Chicago, Ill., a corporation of Illinois
Application August 19, 1949, Serial No. 4,607
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a microphone, substantially as shown.

156,775
ANIMATED TRUNDLE TOY
Ervin F. Schultz, Fond du Lac, Wis.
Application April 13, 1948, Serial No. 145,671
Term of patent 3½ years
(Cl. D34—15)



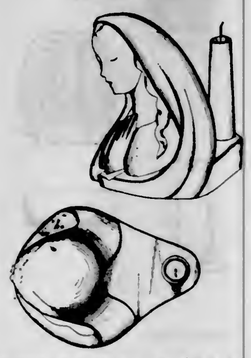
The ornamental design for an animated trundle toy, as shown and described.

156,776
ANIMATED TOY
Ervin F. Schultz, Fond du Lac, Wis.
Application April 13, 1948, Serial No. 145,672
Term of patent 7 years
(Cl. D34—15)



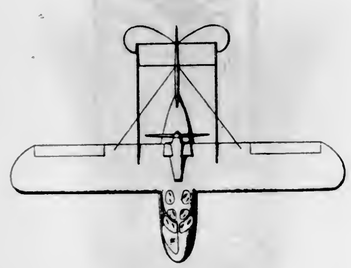
The ornamental design for an animated toy, as shown.

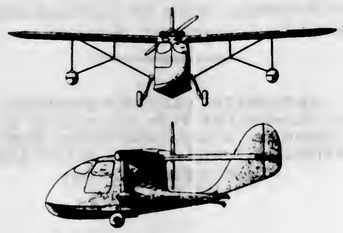
156,777
MADONNA CANDLEHOLDER
Cleo V. Sears, Ashtabula, Ohio, assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y., a corporation of New York
Application April 1, 1949, Serial No. 1,765
Term of patent 14 years
(Cl. D48—2)



The ornamental design for a Madonna candleholder, substantially as shown and described.

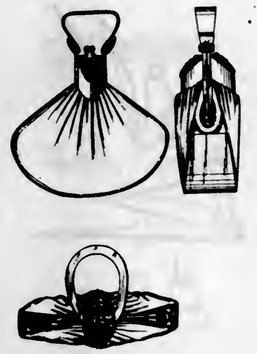
156,778
AMPHIBIAN AIRPLANE
Percival H. Spencer, Babylon, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application April 10, 1944, Serial No. 113,207
Term of patent 14 years
(Cl. D71—1)





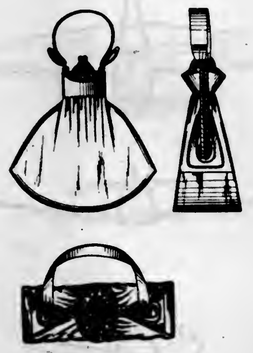
The ornamental design for an amphibian airplane, substantially as shown.

156,779
HANDBAG
Philip Spindell, New York, N. Y.
Application September 7, 1949, Serial No. 4,891
Term of patent 3½ years
(Cl. D87—3)



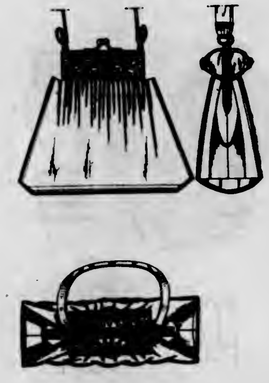
The ornamental design for a handbag, substantially as shown and described.

156,780
HANDBAG
Philip Spindell, New York, N. Y.
Application September 9, 1949, Serial No. 4,934
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

156,781
HANDBAG
Philip Spindell, New York, N. Y.
Application September 9, 1949, Serial No. 4,935
Term of patent 3½ years
(Cl. D87—3)



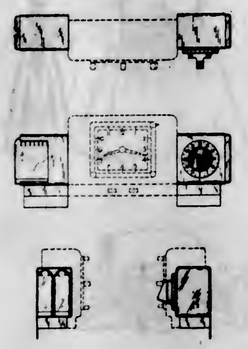
The ornamental design for a handbag, substantially as shown and described.

156,782
DRESS ENSEMBLE
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,263
Term of patent 3½ years
(Cl. D3—26)



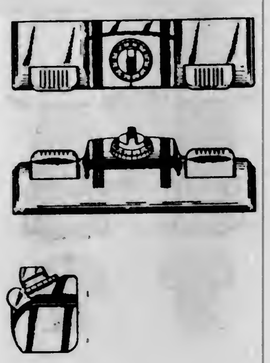
The ornamental design for a dress ensemble, substantially as shown.

156,783
COMBINED CLOCK, CLOCK CONTROL, CONDIMENT HOLDERS, AND SHELF FOR COOKING STOVES
Jack B. Stuman, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application November 8, 1946, Serial No. 134,603
Term of patent 3½ years
(Cl. D81—25)



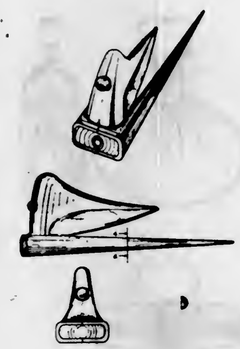
The ornamental design for a combined clock, clock control, condiment holders, and shelf for cooking stoves, substantially as shown and described.

156,784
COMBINED TIMER AND CONDIMENT HOLDERS FOR COOKING RANGE
Jack B. Stuman, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application November 8, 1946, Serial No. 134,604
Term of patent 3½ years
(Cl. D81—25)



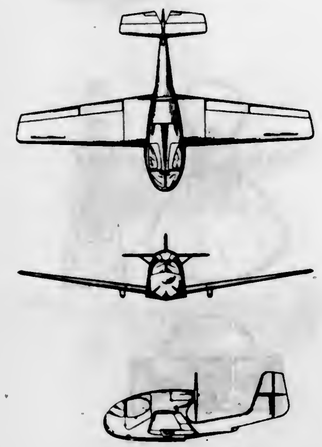
The ornamental design for a combined timer and condiment holders for cooking range, substantially as shown and described.

156,785
COMBINATION FENDER TRIM AND SIGNAL LIGHT UNIT
Carl E. Sykes, Norfolk, Va.
Application November 24, 1948, Serial No. 149,806
Term of patent 14 years
(Cl. D48—32)



The ornamental design for a combination fender trim and signal light unit, as shown.

156,786
AMPHIBIAN AIRPLANE
Moulton B. Taylor, United States Navy
Application June 21, 1945, Serial No. 120,236
Term of patent 14 years
(Cl. D71—1)



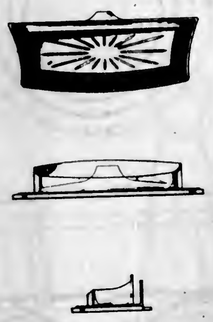
The ornamental design for an amphibian airplane, as shown.

156,787
TOY ROCKER
Islyn Thomas, Newark, N. J., assignor to Thomas Manufacturing Corp., Newark, N. J.
Application April 8, 1948, Serial No. 145,599
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy rocker, substantially as shown and described.

156,788
COMBINED COMB HOLDER AND TRAY
Bernard Ulvad, Leominster, Mass., assignor to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application March 26, 1949, Serial No. 1,650
Term of patent 14 years
(Cl. D86—10)



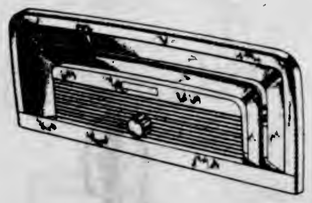
The ornamental design for a combined comb holder and tray, substantially as shown.

156,789
BOX OR SIMILAR ARTICLE
Ernest L. Warner, Los Angeles, Calif.
Application February 21, 1948, Serial No. 144,659
Term of patent 3½ years
(Cl. D58—11)



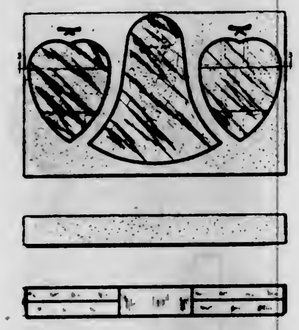
The ornamental design for a box or similar article, substantially as shown and described.

156,790
AIR REGISTER GRILLE PLATE OR SIMILAR ARTICLE
Arthur C. Wesche, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 19, 1949, Serial No. 951
Term of patent 14 years
(Cl. D62—4)



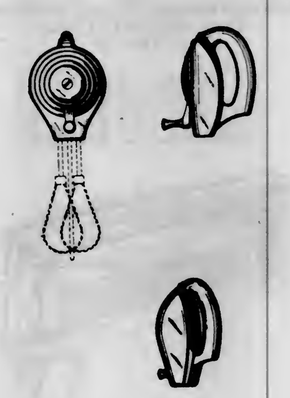
The ornamental design for an air register grille plate or similar article, substantially as shown.

156,791
COMBINED CANDY AND DOLL PACKAGE
Charles E. Whitcomb, Bayside, N. Y.
Application December 22, 1947, Serial No. 143,276
Term of patent 3½ years
(Cl. D58—12)



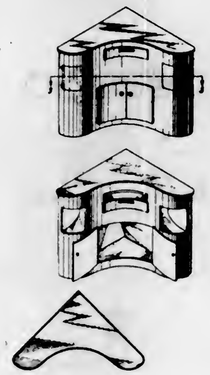
The ornamental design for a combined candy and doll package, substantially as shown and described.

156,792
EGG BEATER
Thomas J. White, Kirkwood, Mo.
Application October 25, 1947, Serial No. 142,144
Term of patent 3½ years
(Cl. D44—1)



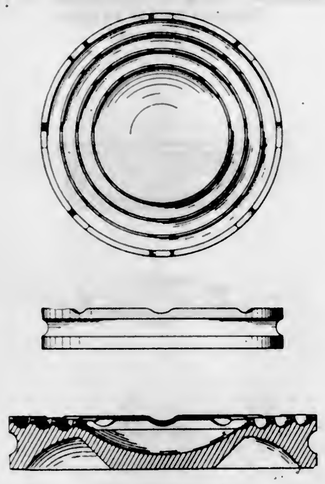
The ornamental design for an egg beater, substantially as shown and described.

156,793
VANITY HAMPER
Pauline Wilks, Oakland, Calif.
Application December 22, 1947, Serial No. 143,269
Term of patent 3½ years
(Cl. D33—6)



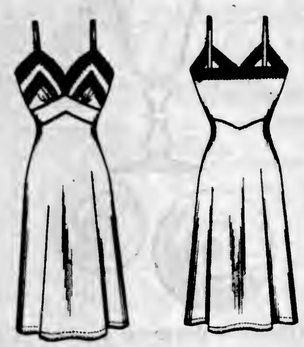
The ornamental design for a vanity hamper, substantially as shown.

156,794
ASH TRAY
Harvey R. Wingo, San Diego, Calif.
Application March 27, 1947, Serial No. 137,976
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

156,795
SLIP
Semon Wolf, New York, N. Y.
Application June 30, 1948, Serial No. 147,303
Term of patent 7 years
(Cl. D3—26)



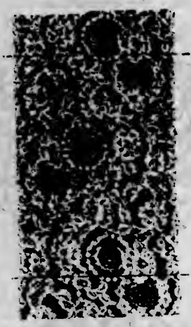
The ornamental design for a slip, substantially as shown.

156,796
SLIP
Semon Wolf, New York, N. Y.
Application November 22, 1948, Serial No. 149,756
Term of patent 7 years
(Cl. D3—26)



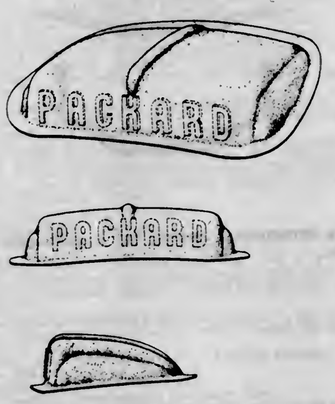
The ornamental design for a slip, substantially as shown.

156,797
LACE
William H. Woodhouse, Mount Vernon, N. Y., assignor to Acme Lacea, Inc., New York, N. Y., a corporation of New York
Application January 27, 1949, Serial No. 532
Term of patent 3½ years
(Cl. D47—6)



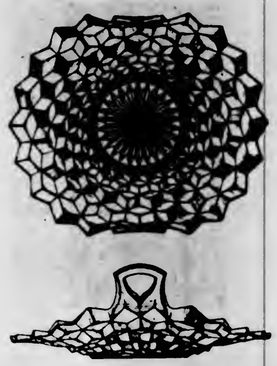
The ornamental design for a lace, as shown and described.

156,798
LAMP CASING OR SIMILAR ARTICLE
Philip O. Wright, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 31, 1947, Serial No. 143,478
Term of patent 7 years
(Cl. D48—32)



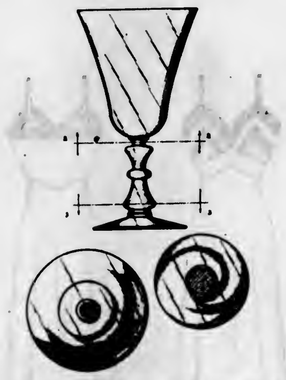
The ornamental design for a lamp casing or similar article, substantially as shown and described.

156,799
CAKE PLATE
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,032
Term of patent 14 years
(Cl. D36—2)



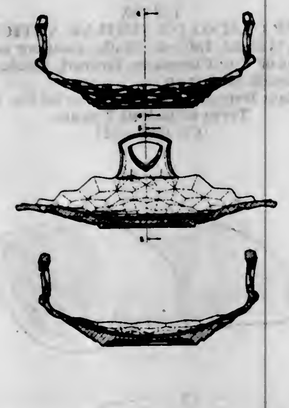
The ornamental design for a cake plate, as shown.

156,800
GOBLET
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,038
Term of patent 14 years
(Cl. D36—8)



The ornamental design for a goblet, as shown.

156,801
RIBBON HOLDER
Magdalene B. Zeglen, Minneapolis, Minn.
Application October 25, 1948, Serial No. 149,273
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a ribbon holder, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A/S Dansk Skinkekogeri, Copenhagen, Denmark. Fresh, frozen, cured, smoked, cooked and canned meat, and poultry; animal fats, etc. Serial No. 498,342, Jan. 3, Class 46.

Abraham & Straus, Inc., Brooklyn, N. Y. Electric ranges, electric sadirons, electric heating pads, etc. Serial No. 562,433, Jan. 3. Class 21.

Aircraft-Marine Products, Inc., Harrisburg, Pa. Hand compression electrical connector crimping tools. Serial No. 557,097, Jan. 3. Class 23.

Air-Maze Corporation, Cleveland, Ohio. Dry and viscous coated air filters, liquid washed air filters, etc. Serial No. 564,545, Jan. 3. Class 31.

Allied Products Corporation, Detroit, Mich. Dowel pins, screws, and stripper bolts. Serial No. 567,746, Jan. 3. Class 13.

All-Steel Equipment Inc., Aurora, Ill. Electrical boxes. Serial No. 554,191, Jan. 3. Class 21.

Alrose Chemical Company, Cranston, R. I. Nonionic, fatty ester type emulsifying and solubilizing agents. Serial No. 556,235, Jan. 3. Class 6.

Altman, B., & Co., New York, N. Y. Candles. Serial No. 570,159, Jan. 3. Class 15.

Ambassador Leather Products, Inc., New York, N. Y. Infants' safety belt. Serial No. 534,718, Jan. 3. Class 40.

American Cyanamid Company, New York, N. Y. Antianemia factor. Serial No. 567,125, Jan. 3. Class 18.

American Heat Corporation, Lowell, Mass. Oil burners. Serial No. 552,628, Jan. 3. Class 34.

American Iron & Machine Works Company, Oklahoma City, Okla. Catheads. Serial No. 557,334, Jan. 3. Class 23.

Anderson, R. E., Aurora, Ill. Electric switches. Serial No. 571,398, Jan. 3. Class 21.

Arkansas Company Inc., Newark, N. J. Sulfonic acid compounds. Serial No. 555,980, Jan. 3. Class 18.

Armour and Company, Chicago, Ill. Salad and cooking oil. Serial No. 548,450, Jan. 3. Class 46.

Armour and Company, Chicago, Ill. Shortening. Serial No. 548,452, Jan. 3. Class 46.

Armour and Company, Chicago, Ill. Vegetable shortening. Serial No. 548,465, Jan. 3. Class 46.

Arnold, S. M., Inc., St. Louis, Mo. Chamois. Serial No. 543,408, Jan. 3. Class 1.

Aron, M., Corporation, New York, N. Y. Men's four-in-hand neckties and bowties. Serial No. 502,054, Jan. 3. Class 39.

Associated Cigar Company, Dallastown, Pa. Cigars. Serial No. 571,400, Jan. 3. Class 17.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. Serial No. 562,686, Jan. 3. Class 39.

Athey Products Corporation, Chicago, Ill. Loaders; and track-laying or crawler wheel units. Serial No. 566,062, Jan. 3. Class 23.

Atkinson, Haserick & Co.: *See*—
Coon, John L., and H. V. Farnsworth.

Atlantic Products Corporation, Trenton, N. J. Golf bags. Serial No. 576,950, Jan. 3. Class 22.

Atlas Underwear Company, The, Piqua, Ohio. Men's, women's, and children's knitted and woven underwear, knitted hosiery, men's sport shirt, etc. Serial No. 543,350, Jan. 3. Class 39.

Audience Computing System, Inc., New York, N. Y. Electrical apparatus for measuring and computing the number of radio and television receivers. Serial No. 555,794, Jan. 3. Class 26.

Autographic Register Company, Hoboken, N. J. Manifolding attachment. Serial No. 527,797, Jan. 3. Class 23.

B A Ť A, Národní Podnik, Zlín, Czechoslovakia. Pneumatic tires, inner tubes and rim liners. Serial No. 560,960, Jan. 3. Class 35.

B.Y.'S Inc. of Washington, doing business as Surgical Balm Co., Seattle, Wash. Ointment used for medicinal purposes. Serial No. 563,389, Jan. 3. Class 18.

Baird Machine Company, The, Stratford, Conn. Power driven riding garden tractors. Serial No. 567,232, Jan. 3. Class 23.

Bat-O-Lite Company: *See*—
Battiste, Donald A.

Battiste, Donald A., doing business as Bat-O-Lite Company, Philadelphia, Pa. Preparation used in the manufacture of bakery products. Serial No. 550,651, Jan. 3. Class 46.

Baxter Laboratories, Inc., Morton Grove, Ill. Fluids for parenteral use. Serial No. 585,510, Jan. 3. Class 18.

Baxter, Toni: *See*—
Leman, Gertrude T.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. Serial No. 543,261, Jan. 3. Class 39.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. Serial No. 543,266, Jan. 3. Class 39.

Bee Chemical Company, Chicago, Ill. Solutions of organic polymeric substances. Serial No. 548,312, Jan. 3. Class 6.

Belden Manufacturing Company, Chicago, Ill. Insulated wire for use in electrical apparatus. Serial No. 571,108, Jan. 3. Class 21.

Bell & Gossett Company, Morton Grove, Ill. Check valves. Serial No. 569,596, Jan. 3. Class 13.

Benard & Honnorat, trading as Molinard, Grasse, France. Perfumes, toilet water, cologne, etc. Serial No. 552,212, Jan. 3. Class 51.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Waterproof electric lamp sockets. Serial No. 570,830, Jan. 3. Class 21.

Berberich Manufacturing Co., Sioux City, Iowa. Automotive truck bodies. Serial No. 524,761, Jan. 3. Class 19.

Best Made Company: *See*—
Schneider, Sam.

Bests Proofing Products: *See*—
Schwartz, Blanche H.

Betancourt, R. & O.: *See*—
Betancourt, Ricardo.

Betancourt, Ricardo, doing business under the style of R. & O. Betancourt, Santurce, P. R. Coffee. Serial No. 567,304, Jan. 3. Class 46.

Biola Packing Co.: *See*—
Scheidt, Chris H.

Blairsville Machine Products Company, Blairsville, Pa. Electrical flash lights and electrical storage batteries. Serial No. 519,622, Jan. 3. Class 21.

Blake, Moffit & Towne, San Francisco, Calif. Wrapping paper. Serial No. 564,602, Jan. 3. Class 37.

Block Marble Co., Philadelphia, Pa. Coin envelopes and paper wrappers. Serial No. 556,766, Jan. 3. Class 37.

Bloom, Charles, Inc., New York, N. Y. Sofa cushions, sofa pillows, pillows and novelty pillows. Serial No. 554,467, Jan. 3. Class 32.

Borden Company, The, New York, N. Y. Food supplement. Serial No. 512,049, Jan. 3. Class 46.

Borg-Warner Corporation, Chicago, Ill. Vehicle radiators and radiators for non-electrical vehicle heaters. Serial No. 561,441, Jan. 3. Class 19.

Borg-Warner Corporation, Chicago, Ill. Gas ranges. Serial No. 574,948, Jan. 3. Class 34.

Botany Mills, Inc., Passaic, N. J. Lip pomade. Serial No. 544,141, Jan. 3. Class 18.

Bradbury, Clarence M., Brooklyn, N. Y. Finger rings. Serial No. 576,618, Jan. 3. Class 28.

Branecke Zelezarny, Narodni Podnik, also doing business as Branka Iron Works, National Corporation, Branka, Czechoslovakia. Stoves; ovens; and kitchen ranges. Serial No. 566,289, Jan. 3. Class 34.

Branka Iron Works, National Corporation: *See*—
Branecke Zelezarny, Narodni Podnik.

Bridgeport Moulded Products, Inc., Fairfield, Conn. Ice trays. Serial No. 582,596, Jan. 3. Class 31.

Bridgeport Moulded Products, Inc., Fairfield, Conn. Ice trays. Serial No. 585,041, Jan. 3. Class 31.

Brinser's, S. C., Sons, Middletown, Pa. Cornmeal. Serial No. 564,044, Jan. 3. Class 46.

Buckeye Steel Castings Company, The, Columbus, Ohio. Parts for railroad car and locomotive equipment; draft rigging parts, etc. Serial No. 572,082, Jan. 3. Class 19.

Burroughs Adding Machine Company, Detroit, Mich. Business machines. Serial No. 523,009, Jan. 3. Class 26.

Bycla Sociedad Anonima Comercial Industrial Y Financiera, Buenos Aires, Argentina. Edible vegetable oils. Serial No. 514,519, Jan. 3. Class 46.

Carey-McFall Company, Philadelphia, Pa. Carbide cutting tools. Serial No. 532,683, Jan. 3. Class 23.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Coated asbestos cement shingles. Serial No. 556,479, Jan. 3. Class 12.

Carter-Mayhew Mf'g. Co.: *See*—
Hart-Carter Company.

Celina Stearic Acid Corporation, The, Celina, Ohio. Red oil (oleic acid). Serial No. 555,652, Jan. 3. Class 6.

Charmette Fabrics Company, Inc., New York, N. Y. Rayon silk, cotton, wool, nylon and protein fibre piece goods and combinations thereof. Serial No. 576,401, Jan. 3. Class 42.

Chase-Shawmut Company, The, Newburyport, Mass. Electric fuses and fuse links therefor. Serial No. 568,932, Jan. 3. Class 21.

Chemass, Mike, Humboldt, Ariz. Pickled turnips. Serial No. 548,235, Jan. 3. Class 46.

Chemical Development Co.: *See*—
Chemical Development Company, The.

Chemical Development Company, The, also doing business as Chemical Development Co., Portland, Oreg. Chemical solution. Serial No. 570,946, Jan. 3. Class 6.

Chic Bag Co., Inc., New York, N. Y. Ladies' handbags and purses. Serial No. 574,568, Jan. 3. Class 3.

Cincinnati Oil Works Co., The, Cincinnati, Ohio. Lubricating-oil. Serial No. 572,636, Jan. 3. Class 15.

Cluett, Peabody & Co., Inc., Troy, N. Y. Sport shirts for men and women. Serial No. 534,877, Jan. 3. Class 39.

Colbert's Sheet Metal Works #2, Limited, Coleman, Tex. Evaporative type window air conditioners. Serial No. 562,324, Jan. 3. Class 34.
Cole of California, Inc., Los Angeles, Calif. Ladies' dresses. Serial No. 562,325, Jan. 3. Class 39.
Colgin, Richard, Company, Inc., Dallas, Tex. Sausage seasoning. Serial No. 546,188, Jan 3. Class 46.
College Heights Orange & Lemon Association, Claremont, Calif. Fresh citrus fruits. Serial No. 568,587, Jan. 3. Class 46.
Cook Coffee Company, The, doing business as House of Caroline, Cleveland, Ohio. Toilet cream. Serial No. 544,852, Jan. 3. Class 51.
Coon, John L., and H. V. Farnsworth, trustees of Atkinson, Haserick & Co., Boston, Mass. Automatic machines for winding a number of textile yarns. Serial No. 549,235, Jan. 3. Class 23.
Corning Glass Works, Corning, N. Y. Articles of glass. Serial No. 567,565, Jan. 3. Class 50.
Cowen Bros., New York, N. Y. Watch straps made of leather. Serial No. 549,906, Jan. 3. Class 28.
Crompton Company, Crompton, R. I. Fabrics in the piece. Serial Nos. 576,450–1, Jan. 3. Class 42.
Crosley Motors, Inc., Cincinnati, Ohio. Internal combustion engines. Serial No. 521,305, Jan. 3. Class 23.
Dan Dee Pretzel and Potato Chip Company, The, Cleveland, Ohio. Noodles. Serial No. 557,731, Jan. 3. Class 46.
Dart, E. M., Mfg. Co., Providence, R. I. Pipe unions. Serial No. 570,544, Jan. 3. Class 13.
Davis, E. E., doing business as E. E. Davis Packing Co., Phoenix, Ariz. Fresh lettuce. Serial No. 559,216, Jan. 3. Class 46.
Davis, E. E., Packing Co.: *See*—
Davis, E. E.
Del Mar Sportswear: *See*—
Frankenstein, H., Company.
Delta Air Lines, Inc., Atlanta, Ga. Air transportation of passengers, mail and express. Serial No. 529,442, Jan. 3. Class 105.
Des Moines Stove Repair Company, also doing business as Modern Aire Company, Des Moines, Iowa. Coal furnaces, stokers, blowers, oil burners, etc. Serial No. 540,793, Jan. 3. Class 34.
Dewey Portland Cement Company, Kansas City, Mo. Cement. Serial No. 474,789, Jan. 3. Class 12.
Dixie Cola Company, Chattanooga, Tenn. Non-alcoholic, noncereal, maltless beverages, sold as soft drinks. Serial No. 492,766, Jan. 3. Class 45.
Donahoe's Incorporated, Pittsburgh, Pa. Cooked foods sold in bulk. Serial No. 550,395, Jan. 3. Class 46.
Doyle, J. E., Company, The, Cleveland, Ohio. Compounds for conditioning printing inks. Serial No. 567,243, Jan. 3. Class 11.
Dumont Corporation, The, Greenfield, Mass. Keyway cutting broach and bushing sets, etc. Serial No. 537,994, Jan. 3. Class 23.
Dunrite Sportswear Co., Inc., New York, N. Y. Boys' pants and suspenders. Serial No. 560,607, Jan. 3. Class 39.
Easterling Company, The, Chicago, Ill. Sterling silver flatware and hollow ware. Serial No. 534,255, Jan. 3. Class 28.
Edwards, William, Company, The, Cleveland, Ohio. Canned fruits, canned vegetables, canned figs, canned cherries, etc. Serial No. 493,175, Jan. 3. Class 46.
Eisenberg and Sons, Inc., Chicago, Ill. Perfumes, colognes, dusting powders and perfume sticks. Serial No. 528,949, Jan. 3. Class 51.
Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. Serial No. 551,702, Jan. 3. Class 23.
Electro Specialty Manufacturing Co., Inc., Minneapolis, Minn. Forced draft ventilators. Serial No. 521,572, Jan. 3. Class 34.
Electromaster, Inc., Mount Clemens, Mich., assignor to Philco Corporation. Glass windows. Serial No. 548,643, Jan. 3. Class 21.
Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Coffee mills. Serial No. 547,436, Jan. 3. Class 23.
Enterprise Manufacturing Company, The, Akron, Ohio. Reel oil. Serial No. 565,696, Jan. 3. Class 15.
Essex Wire Corporation, Detroit, Mich. Electrical apparatus. Serial No. 556,878, Jan. 3. Class 21.
Estee Candy Company, New York, N. Y. Chocolates. Serial No. 518,134, Jan. 3. Class 46.
Etablissements Roques, Société Anonyme, Paris, France. Preparation for the treatment of amoebic dysentery, etc. Serial No. 551,374, Jan. 3. Class 18.
Everlasting Valve Company, Jersey City, N. J. Valves. Serial No. 570,553, Jan. 3. Class 13.
Evesleaves Co., Omaha, Nebr. Ladies' corsets. Serial No. 557,738, Jan. 3. Class 39.
Farm Tools, Inc., Mansfield, Ohio. Plows. Serial No. 550,400, Jan. 3. Class 23.
Farrar Boilerworks, Limited, The, Newark-on-Trent, England. Extractors, extraction plants, presses, and parts thereof. Serial No. 563,732, Jan. 3. Class 23.
Federated Department Stores, Inc.: *See*—
Lazarus, F. & R., & Company, The.
Fight Stories, Inc., New York, N. Y. Magazine. Serial No. 571,416, Jan. 3. Class 38.
First National Stores Inc., Somerville, Mass. Fresh milk, fresh cream, fresh eggs, etc. Serial No. 549,430, Jan. 3, Class 46.
Flatow, Henry, New York, N. Y. Shoes. Serial No. 525,206, Jan. 3. Class 39.
Florasynth Laboratories, Inc., New York, N. Y. Orange compound. Serial No. 561,231, Jan. 3. Class 45.
Flying Stories, Inc., New York, N. Y. Magazine. Serial No. 571,420, Jan. 3. Class 38.
Forstner Chain Corporation, Irvington, N. J. Wrist watch bracelets, watch chains, cuff links, etc. Serial No. 567,306, Jan. 3. Class 28.
Frankenstein, H., Company, also doing business as Del Mar Sportswear, Los Angeles, Calif. Men's and boys' pants. Serial No. 538,265, Jan. 3. Class 39.
Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils. Serial No. 571,020, Jan. 3. Class 15.
French Sardine Company of California, The, Terminal Island, Calif. Canned fish. Serial No. 559,226, Jan. 3. Class 46.
Frieder, S., & Sons Company, The, Cincinnati, Ohio, and Philadelphia, Pa. Cigars and cheroots. Serial No. 570,957, Jan. 3. Class 17.
Gedney, M. A., Company, Minneapolis, Minn. Pickles. Serial No. 554,225, Jan. 3. Class 46.
Gem Automatic Gas Company, Inc., Granite Quarry, N. C. Liquefied petroleum gas. Serial No. 566,287, Jan. 3. Class 6.
General Motors Corporation, Detroit, Mich. Radio receiving sets and parts thereof. Serial No. 551,791, Jan. 3. Class 21.
General Power Plant Corporation, New York, N. Y. Apparatus for automatically regulating the fuel-air ratio in oil burning equipment, etc. Serial No. 531,107, Jan. 3. Class 21.
Gibbons, Patrick R., Company, St. Louis, Mo. Detergents and soap. Serial No. 567,693, Jan. 3. Class 52.
Gibraltar Equipment & Manufacturing Co., Alton, Ill. Rail punches, rail levelers, rail benders, etc. Serial No. 549,629, Jan. 3. Class 23.
Gilron Products Company, Cleveland, Ohio. Industrial lubricating and cooling composition. Serial No. 568,610, Jan. 3. Class 15.
Gilster Milling Company, Steeleville and Chester, Ill. Plain wheat flour. Serial No. 565,126, Jan. 3. Class 46.
Glidden Company, The, Cleveland, Ohio. Pine oil, pine tar oils, etc. Serial No. 558,136, Jan. 3. Class 6.
Government of Italy, Rome, Italy. Snuff. Serial No. 556,673, Jan. 3. Class 17.
Greeff Fabrics, Inc., New York, N. Y. Cotton and rayon fabrics in the piece. Serial No. 525,076, Jan. 3. Class 42.
Grocerland Co-Operative, Inc., Chicago, Ill. Olives. Serial No. 550,143, Jan. 3. Class 46.
Hafke, Harold A., doing business as Kid-E-Art Mfg. Company, Detroit, Mich. Toy painting sets. Serial No. 514,114, Jan. 3. Class 22.
Halex, Limited, London, England. Table tennis balls. Serial No. 534,623, Jan. 3. Class 22.
Hamilton-Crawford Realtors, Kansas City, Mo. General real estate brokerage, sub-division development, home building, and architectural service. Serial No. 554,311, Jan. 3. Class 102.
Hamilton Industries, Chicago, Ill. Electric lamp shades, adapted for use as picture frames. Serial No. 567,695, Jan. 3. Class 22.
Hampton, Gladys N., New York, N. Y. Ladies' hats. Serial No. 553,364, Jan. 3. Class 21.
Harder, Arthur A., Brooklyn, N. Y. Pasteboard boxes, Serial No. 559,704, Jan. 3. Class 39.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. Serial No. 583,650, Jan. 3. Class 19.
Hart-Carter Company, doing business as Carter-Mayhew Mfg. Co., Minneapolis, Minn. Grain cleaning machinery. Serial No. 531,034, Jan. 3. Class 23.
Harvell Photo Service, Bloomfield, N. J. Photograph services. Serial No. 514,117, Jan. 3. Class 100.
Heller Company, The Cleveland, Ohio. Staples. Serial No. 552,772, Jan. 3. Class 13.
Heller Company, The, Cleveland, Ohio. Stapling machines. Serial No. 552,773, Jan. 3. Class 13.
Henderson, John M., Company, Inc., Los Angeles, Calif. Cosmetics. Serial No. 555,409, Jan. 3. Class 51.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap for toilet and bath. Serial No. 549,245, Jan. 3. Class 52.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Toilet and bath soap. Serial No. 560,466, Jan. 3. Class 52.
Hobbs-Parsons Co., Fresno, Calif. Fresh deciduous fruits, fresh citrus fruits, fresh grapes, fresh eggs, etc. Serial No. 560,761, Jan. 3. Class 46.
Hollingsworth & Whitney Company, Boston, Mass. Wrapping paper and fine papers. Serial No. 523,266, Jan. 3. Class 37.
Holmes Canning Company, Inc., Sandersville, Ga. Canned sweet potato mix. Serial No. 563,618, Jan. 3. Class 46.
Hooker Electrochemical Company, Niagara Falls, N. Y., and Tacoma, Wash. Insecticidee. Serial No. 556,194, Jan. 3. Class 6.
Hooker Electrochemical Company, Niagara Falls, N. Y., and Tacoma, Wash. Paradichlorbenzene. Serial No. 556,195, Jan. 3. Class 6.
House of Caroline: *See*—
Cook Coffee Company, The.

Huse Liberty Mica Company, The, Boston, Mass. Electric insulations. Serial No. 556,444, Jan. 3. Class 21.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. Serial No. 554,897, Jan. 3. Class 22.
Independent Pneumatic Tool Company, Chicago, Ill. Electrically actuated portable power tools. Serial No. 555,513, Jan. 3. Class 21.
Industrial Timer Corporation, Newark, N. J. Electric timing switches for photographic and industrial uses. Serial No. 490,489, Jan. 3. Class 26.
Innis, Speiden & Co., New York, N. Y. Insecticides, larvicides, fungicides, and deodorants. Serial No. 569,158, Jan. 3. Class 6.
Interstate Sales Company, Waco, Tex. Perfumed sachet cream. Serial No. 563,928, Jan. 3. Class 51.
Jacuzzi Bros., Incorporated, Richmond, Calif. Injector type pumps, turbine pumps, and impeller type pumps. Serial No. 504,048, Jan. 3. Class 23.
Jamco Company: *See*—
Scervini, Frank A.
Jarco Metal Products Corp., New York, N. Y. Flashlights and parts thereof. Serial No. 571,143, Jan. 3. Class 21.
Jean-Pascal Lorrianx & Cie., Paris, (Seine) France. Perfumes. Serial No. 520,402, Jan. 3. Class 51.
Jerguson Gage & Valve Company, Somerville, Mass. Fluid control valves. Serial No. 573,324, Jan. 3. Class 13.
Jersey Company, The, Minneapolis, Minn. Egg mash, dairy ration, vitamins and minerals, etc. Serial No. 532,414, Jan. 3. Class 46.
Jewel Tea Co., Inc., Barrington, Ill. Tea, coffee, rice, etc. Serial No. 555,530, Jan. 3. Class 46.
Johns-Manville Corporation, New York, N. Y. Woven brake linings and clutch facings, molded brake linings and clutch facings, etc. Serial No. 563,951, Jan. 3. Class 35.
Johns-Manville Corporation, New York, N. Y. Woven brake linings and clutch facings, molded brake linings and clutch facings, etc. Serial No. 564,949, Jan. 3. Class 35.
Johnson & Johnson, New Brunswick, N. J. Iodine tincture. Serial No. 566,598, Jan. 3. Class 18.
Jones & Kavanagh Co., Ltd., assignor to Jones & Kavanagh Co., Ltd., Los Angeles, Calif. Fresh vegetables and fresh melons. Serial No. 553,285, Jan. 3. Class 46.
Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Nails. Serial No. 567,405, Jan. 3. Class 13.
Kajol Company: *See*—
Kajol Incorporated.
Kajol Incorporated, assignor to Kajol Company, San Francisco, Calif. Shampoo. Serial No. 510,958, Jan. 3. Class 52.
Kataoka Bros., Fresno, Calif. Fresh grapes. Serial No. 569,161, Jan. 3. Class 46.
Kawneer Company, The, Niles, Mich. Moulding, sheet metal wall surfacing plates with supporting fittings therefor, etc. Serial No. 554,577, Jan. 3. Class 12.
Kennedy, David E., Inc., Brooklyn, N. Y. Floor and wall tile. Serial No. 554,796, Jan. 3. Class 12.
Kid-E-Art Mfg. Company: *See*—
Hafke, Harold A.
Klein, Harry H., Camden, N. J. Body cleansing oil for infants. Serial No. 554,232, Jan. 3. Class 51.
Koehler Manufacturing Company, Marlboro, Mass. Portable rechargeable miners' lamps, storage batteries, and charging apparatus. Serial No. 559,717, Jan. 3. Class 21.
Korinek, C. J., doing business as Korinek Laboratories, South San Francisco, Calif. Mineral compound. Serial No. 567,636, Jan. 3. Class 46.
Korinek Laboratories: *See*—
Korinek, C. J.
Krieck, James H., Westport, Conn. Vacuum breaker valves. Serial No. 544,881, Jan. 3. Class 13.
Lady Percale Frocks: *See*—
Salamon, William.
Lake Charm Fruit Company, Oviedo, Fla. Fresh citrus fruit. Serial No. 570,564, Jan. 3. Class 46.
Lancome, S. A., Paris, France. Perfume, toilet water, cologne, rouge, etc. Serial No. 545,267, Jan. 3. Class 51.
Lay, Joseph, Company, Inc., The, Portland, Ind. Brooms. Serial No. 571,386, Jan. 3. Class 29.
Lazarus, F. & R., & Company, The, Columbus, assignor to Federated Department Stores, Inc., Cincinnati, Ohio. Men's coats and suits. Serial No. 541,686, Jan. 3. Class 39.
Lederman Bros., Los Angeles, Calif. Artificial leather. Serial No. 553,721, Jan. 3. Class 50.
Leman, Gertrude T., doing business under the name and style of Toni Baxter, Honolulu, Territory of Hawaii. Perfume. Serial No. 521,018, Jan. 3. Class 51.
Leonard, Henry, & Thomas, Inc., Ozone Park, N. Y. Smoking pipes and parts thereof. Serial No. 571,438, Jan. 3. Class 8.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 568,740, Jan. 3. Class 18.
Limestone Products Corporation of America, Newton, N. J. Ground or pulverized limestone and hydrated lime. Serial Nos. 559,622–3, Jan. 3. Class 6.
Lipnincott & Marcuilles, Inc., New York, N. Y. Removable plastic ice trays. Serial No. 563,682, Jan. 3. Class 31.
Liquid Ice Corporation, Seattle, Wash. Sportsman's kit. Serial No. 541,150, Jan. 3. Class 22.
Lockformer Company, The, Chicago, Ill. Sheet metal rolling machines. Serial No. 568,315, Jan. 3. Class 23.
Loft Candy Corporation, Long Island City, N. Y. Hard candy. Serial No. 517,071, Jan. 3. Class 46.
Lorain Products Corporation, Lorain, Ohio. Electrical static frequency converters. Serial No. 537,911, Jan. 3. Class 21.
Lowe, Joe, Corporation, New York, N. Y. Doughnut sticks. Serial No. 552,994, Jan. 3. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Emulsifier-stabilizer. Serial No. 566,388, Jan. 3. Class 46.
Lubin-Weeker Co., Inc., New York, N. Y. Pajamas. Serial No. 567,083, Jan. 3. Class 39.
Lyman Gun Sight Corporation, The, Middlefield, Conn. Presses for pressing bushings. Serial No. 564,577, Jan. 3. Class 23.
Lynchburg Hosiery Mills, Inc., Lynchburg, Va. Men's hose. Serial No. 562,375, Jan. 3. Class 39.
Lyons-Magnus, Incorporated, San Francisco, Calif. Root beer syrup. Serial No. 553,294, Jan. 3. Class 45.
Magicook Mfg. Co.: *See*—
Traube, Jacques.
Maltbie Chemical Company, The, Newark, N. J. Preparation for the treatment of cardiovascular disease. Serial No. 566,352, Jan. 3. Class 18.
Maltbie Chemical Company, The, Newark, N. J. Gastro-intestinal antispasmodic antacid and sedative. Serial No. 566,355, Jan. 3. Class 18.
Mann Bros. Canning Co. (Inc.), Lakeland, Fla. Canned grapefruit and canned orange juice. Serial No. 547,788, Jan. 3. Class 46.
Marathon Corporation, Rothschild, Wis. Tannery materials and extracts. Serial No. 564,136, Jan. 3. Class 6.
Masland Duraleather Co., Philadelphia, Pa. All-plastic flexible sheet material. Serial No. 536,266, Jan. 3. Class 50.
Materiel Industriel S. A., Lausanne, Switzerland. Tamping machines, ballast excavating, screening and relaying machines, track raising and leveling machines, etc. Serial No. 544,747, Jan. 3. Class 23.
Matthews, W. N., Corporation, St. Louis, Mo. Quick-release portable wire slack pullers, portable adjustable reel machines, and installation tools. Serial No. 527,174, Jan. 3. Class 23.
McCullough Tool Company, Los Angeles, Calif. Oil well tools and parts. Serial No. 528,088, Jan. 3. Class 23.
McGreevey, Werring & Howell, Inc., New York, N. Y. Men's outer shirts. Serial No. 566,162, Jan. 3. Class 39.
Mercantile Stores Company, Inc., Wilmington, Del. Men's, women's, and children's clothing. Serial No. 572,191, Jan. 3. Class 39.
Mexico Refractories Company, Mexico, Mo. Firebrick. Serial No. 542,041, Jan. 3. Class 12.
Mido Watch Company of America, Inc., New York, N. Y., assignor to Societe Anonyme Mido, Bienne, Switzerland. Watches, parts of watches, and watch cases. Serial No. 567,869, Jan. 3. Class 27.
Midwest Leather Clothing Co., St. Louis, Mo. Leather jackets. Serial No. 566,090, Jan. 3. Class 39.
Miles Laboratories, Inc., Elkhart, Ind. Vitamin tablets. Serial No. 570,216, Jan. 3. Class 18.
Miollis, Raymond, doing business as Natural Cheese Co., Maywood, Ill. Cheese. Serial No. 571,653, Jan. 3. Class 46.
Modern Air Company: *See*—
Des Moines Stove Repair Company.
Molinard: *See*—
Benard & Honnorat.
Monarch Shuffleboard, Inc., Chicago, Ill. Shuffleboard game. Serial No. 576,878, Jan. 3. Class 22.
Mosher, L. A., Company, Atlanta, Ga. Veterinary pills. Serial No. 567,795, Jan. 3. Class 18.
Moto-Truc Company, The, Cleveland, Ohio. Power driven lift trucks. Serial No. 543,731, Jan. 3. Class 23.
Mounties, Inc., Boston, Mass. Gummed cloth suspension rings. Serial No. 537,608, Jan. 3. Class 13.
Munising Wood Products Company, Inc., Chicago, Ill. Wooden spoons; steak mauls; wooden rolling pins; etc. Serial No. 566,866, Jan. 3. Class 23.
National Gas Equipment Co., Inc., Terrell, Tex. Attic fans and console fans. Serial No. 559,635, Jan. 3. Class 34.
National Greenhouse Co., Pana, Ill. Glazing composition. Serial No 551,397, Jan. 3. Class 12.
National Greenhouse Co., Pana, Ill. Gum sealing composition. Serial No. 561,399, Jan. 3. Class 12.
National Industries for the Blind, New York, N. Y. Brooms. Serial No. 529,187, Jan. 3. Class 29.
National Silver Company, New York, N. Y. Sterling silver flatware. Serial No. 575,918, Jan. 3. Class 28.
National Silver Company, New York, N. Y. Sterling silver and silverplated flatware. Serial No. 576,875, Jan. 3. Class 28.
National Steel Construction Co., Seattle, Wash. Automatic electric water heaters. Serial No. 551,723, Jan. 3. Class 21.
National Vacuum Cleaner Supply Co, Inc., New York, N. Y. Electric domestic vacuum cleaners. Serial No. 551,808, Jan. 3. Class 21.
Natural Cheese Co.: *See*—
Miollis, Raymond.
Nell Products Inc., Los Angeles, Calif. Non-alcoholic, maltless beverages. Serial No. 567,529, Jan. 3. Class 45.

Nethercutt, J. B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Deodorant and antiperspirant. Serial No. 522,891, Jan. 3. Class 51.
Nethercutt Laboratories: *See*—
Nethercutt, J. B.
Newtowne Manufacturing Company, doing business as Plymouth Manufacturing Company, Boston, Mass. Raincoats and weatherproof topcoats for men, women, and children. Serial No. 499,071, Jan. 3. Class 39.
New York Merchandise Co., Inc., New York, N. Y. Electrical apparatus. Serial No. 502,002, Jan. 3. Class 21.
New York Twine Corporation, New York, N. Y. Cords and twine. Serial No. 538,803, Jan. 3. Class 7.
Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Nitrogen products. Serial No. 564,255, Jan. 3. Class 6.
Northwestern Mail Box Company, doing business as Northwestern Products Co., St. Louis, Mo. Toys. Serial No. 574,371, Jan. 3. Class 22.
Northwestern Products Co.: *See*—
Northwestern Mail Box Company.
Oakes & Company, Chicago, Ill. Men's overalls. Serial No. 525,396, Jan. 3. Class 39.
Ohio-Apex, Inc., Nitro, W. Va. Di-iso-octyl phthalate. Serial No. 567,205, Jan. 3. Class 6.
Ohmite Manufacturing Company, Chicago, Ill. Resistors, rheostats, chokes and tap switches. Serial No. 567,873, Jan. 3. Class 21.
Oil Base, Inc., Compton, Calif. Oil base drilling fluid. Serial No. 555,836, Jan. 3. Class 12.
Oxwall Tool Co., Ltd., New York, N. Y. Hand breast drills, chisels, hammers, etc. Serial No. 520,893, Jan. 3. Class 23.
Pacific Mutual Life Insurance Company, Los Angeles, Calif. Underwriting life insurance. Serial No. 564,396, Jan. 3. Class 102.
Patou, Jean, Inc., New York, N. Y. Perfumes, toilet water, face powder, etc. Serial No. 566,340, Jan. 3. Class 51.
Pennsylvania Mercantile Corp., New York, N. Y. Canned fish, canned crabmeat and canned fruits. Serial No. 562,396, Jan. 3. Class 46.
Pennsylvania Railroad Company, The, Philadelphia, Pa. Transportation by railway, boat and motor-truck, etc. Serial No. 574,920, Jan. 3. Class 105.
Perkins, Dorothy Company, St. Louis, Mo. Perfume and cologne. Serial No. 506,059, Jan. 3. Class 51.
Pettibone Mulliken Corporation, Chicago, Ill. Portable machines for collecting, removing scrap. Serial No. 566,764, Jan. 3. Class 23.
Pfizer Chemical Works, Inc., Ridgefield, N. J. Chemicals. Serial No. 569,636, Jan. 3. Class 6.
Philco Corporation: *See*—
Electromaster, Inc.
Pin Money Brands, Incorporated, Richmond, Va. Pickled fruits and vegetables, olives, salad dressing, etc. Serial No. 538,447, Jan. 3. Class 46.
Pioneer Trust & Savings Bank, The, as trustee, Chicago, Ill. Electrically operated foul detecting and indicating apparatus for bowling alleys. Serial No. 528,228, Jan. 3. Class 21.
Pirelli Societa Per Azioni, Milan, Italy. Steam-tight packings; rubber conveyor and transmission belting; rubber shock absorbers, etc. Serial No. 520,344, Jan. 3. Class 35.
Plee-Zing, Inc., Chicago, Ill. Brooms, scrubbing brushes, dusters. Serial No. 564,151, Jan. 3. Class 29.
Plymouth Manufacturing Company: *See*—
Newtowne Manufacturing Company.
Pneu-Trol Devices, Inc., Chicago, Ill. Fluid-flow apparatus. Serial No. 521,685, Jan. 3. Class 23.
Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 575,487, Jan. 3. Class 52.
Producers Creamery Company, Springfield, Mo. Cheese. Serial No. 571,745, Jan. 3. Class 46.
Prudence Foods Inc., Boston, Mass. Corned beef hash and roast beef hash. Serial No. 554,256, Jan. 3. Class 46.
Pulverizing Machinery Company, Summit, N. J. Grinding and pulverizing machines. Serial No. 565,652, Jan. 3. Class 23.
Puritan Knitting Mills, Inc., The, Altoona, Pa. Sweaters. Serial No. 559,323, Jan. 3. Class 39.
Raab, M. R.,-Meyerhoff Co., Inc., Philadelphia, Pa. Dress shirts Serial No. 553,020, Jan. 3. Class 39.
Radiation Counter Laboratories, Inc., Chicago, Ill. Instruments for measurement of radio-activity. Serial No. 561,340, Jan. 3. Class 26.
Radio Engineering Laboratories, Inc., Long Island City, N. Y. Radio broadcast transmitters, receivers, audio consoles, etc. Serial No. 556,286, Jan. 3. Class 21.
Radio Manufacturers Association, Washington, D. C. Radio transmitting and receiving apparatus. Serial No. 550,735, Jan. 3. Class 21.
Raulerson, L. A., Jacksonville, Fla. Public transportation of property by motor vehicle. Serial No. 531,073, Jan. 3. Class 105.
Reed Roller Bit Company, Houston, Tex. Fastening devices. Serial No. 565,965, Jan. 3. Class 23.
Reizenstein, C., Sons, Pittsburgh, Pa. Glass drinkingware. Serial No. 554,609, Jan. 3. Class 33.
Republic Drill & Tool Company, Chicago, Ill. Twist drills. Serial Nos. 566,719–20, Jan. 3. Class 23.
Reynolds, Harry H., Pasadena, Calif. Aluminum strips. Serial No. 562,404, Jan. 3. Class 12.
Rhino Wrench Company, Denver, Colo. Wrenches. Serial No. 550,438, Jan. 3. Class 23.
Riley Bros. Inc., Burlington, Iowa. Lubricating oils, lubricating greases, gasoline and kerosene. Serial No. 564,739, Jan. 3. Class 15.
Robern Shoe Mfg. Corp., New York, N. Y. Shoes. Serial No. 524,663, Jan. 3. Class 39.
Robertson Factories, Inc., New York, N. Y. Window curtains. Serial No. 576,363, Jan. 3. Class 42.
Rodney Hunt Machine Co., Orange, Mass. Wood, rubber, and metal rolls for use in industrial machinery. Serial No. 559,385, Jan. 3. Class 23.
Rohm & Haas Company, Philadelphia, Pa. Agricultural acaracides, insecticides, and fungicides. Serial No. 569,301, Jan. 3. Class 6.
Rothbardt, Adolph M., Chicago, Ill. Toy kaleidoscope filled with hard candy. Serial No. 553,641, Jan. 3. Class 22.
Salamon, William, doing business as Lady Percale Frocks, New York, N. Y. Brunchcoats, pinafores, smocks. Serial No. 561,947, Jan. 3. Class 39.
Salisbury Cutlery Handle Company, The, Salisbury, Conn. Muddlers, salt and pepper spoons, etc. Serial No. 554,260, Jan. 3. Class 23.
Savage Arms Corporation, Utica, N. Y. Manually operated lawn mowers. Serial No. 525,498, Jan. 3. Class 23.
Sayco Doll Corporation, New York, N. Y. Dolls. Serial No. 575,932, Jan. 3. Class 22.
Scervini, Frank A., doing business as Jamco Company, New York, N. Y. Multivitamin capsules. Serial No. 507,276, Jan. 3. Class 18.
Scheidt, Chris H., doing business as Biola Packing Co., Biola, Calif. Raisins. Serial Nos. 553,314–15, Jan. 3. Class 46.
Schneider, Sam, doing business as Best Made Company, Carteret, N. J. Women's dresses. Serial No. 562,964, Jan. 3. Class 39.
Schnirring, Bill, Company, New York, N. Y. Ice trays. Serial No. 580,685, Jan. 3. Class 31.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, knickerbockers, etc. Serial No. 532,642, Jan. 3. Class 39.
Schreiber, L. D., & Co. Inc., Chicago, Ill., and Green Bay, Wis. Cheese, process cheese, and cheese foods. Serial No. 547,484, Jan. 3. Class 46.
Schwartz, Blanche H., doing business as Bests Proofing Products, San Carlos, Calif. Liquid waterproofing preparation. Serial No. 559,644, Jan. 3. Class 16.
Screw Conveyor Corporation, Hammond, Ind. Elevator buckets. Serial No. 563,085, Jan. 3. Class 23.
Screw Conveyor Corporation, Hammond, Ind. Elevating and conveying apparatus. Serial No. 563,498, Jan. 3. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Electrical lighting apparatus. Serial No. 550,617, Jan. 3. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Electrical goods. Serial No. 550,618, Jan. 3. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Automobile supplies. Serial No. 558,755, Jan. 3. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Rubber and cotton fabric garden hose, steam hose, industrial hose, etc. Serial No. 570,658, Jan. 3. Class 35.
Seco Company, Inc., St. Louis, Mo. Soda fountains. Serial No. 554,613, Jan. 3. Class 23.
Seng Company, The, Chicago, Ill. Swivel joints and swivel assemblies. Serial No. 562,295, Jan. 3. Class 13.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative expectorant. Serial No. 546,127, Jan. 3. Class 18.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibiotic prophylactic preparation. Serial No. 567,546, Jan. 3. Class 18.
Shell Oil Company: *See*—
Shell Oil Company, Incorporated.
Shell Oil Company, Incorporated, San Francisco, Calif., assignor to Shell Oil Company, New York, N. Y. Automobile and truck lubrication service. Serial No. 559,252, Jan. 3. Class 108.
Shufflette, Inc., Cincinnati, Ohio. Game boards. Serial No. 577,230, Jan. 3. Class 22.
Small Fry, Quincy, Ill., and Hannibal, Mo. Restaurant services. Serial No. 554,430, Jan. 3. Class 100.
Smithburn, George E., assignor to Univator, Inc., Berkeley, Calif. Cultivators and accessories therefor. Serial No. 509,260, Jan. 3. Class 23.
Societe Anonyme des Manufactures des Glaces et Produits, Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Plastic material. Serial No. 566,667, Jan. 3. Class 1.
Societe Anonyme Mido: *See*—
Mido Watch Company of America Inc.
Societe Anonyme Parfums Forvil & Dentifrices du Docteur Pierre Reunis, Nanterre (Seine), France. Perfumes, toilet water, eau de cologne, etc. Serial Nos. 571,359–61, Jan. 3. Class 51.
So-Lo Works, Inc., Loveland, Ohio. Lightweight rubber overshoes. Serial No. 563,639, Jan. 3. Class 39.
Sparhawk, Charles V., doing business as Sparhawk Company, Sparkill, N. Y. Animal chemical attractant. Serial No. 507,661, Jan. 3. Class 6.

Sparhawk Company: *See*—
Sparhawk, Charles V.
Spaulding Bakeries, Inc., Binghamton, N. Y. Bread. Serial No. 558,076, Jan. 3. Class 46.
Spaulding Bakeries, Inc., Binghamton, N. Y. Bakery products. Serial No. 558,254, Jan. 3. Class 46.
Standard Clay Products Company, Inc., Philadelphia, Pa. Fire bricks. Serial No. 543,232, Jan. 3. Class 12.
Standard Oil Company, The, Cleveland, Ohio. Lubricating oil. Serial No. 561,349, Jan. 3. Class 15.
Standard Toykraft Products, Inc., Brooklyn, N. Y. Children's paint and crayon sets. Serial No. 555,316, Jan. 3. Class 22.
Stephan Products Inc., Worcester, Mass. Dandruff remover hair lotion. Serial No. 555,319, Jan. 3. Class 51.
Stimpson Computing Scale Company, Louisville, Ky. Computing commodity scales. Serial No. 536,007, Jan. 3. Class 26.
Sunshine Feed Mills, Nashville, Tenn. Feeds. Serial No. 559,558, Jan. 3. Class 46.
Talon, Inc., Meadville, Pa. Slide fasteners and components therefor. Serial No. 543,845, Jan. 3. Class 13.
Tappan Stove Company, The, Mansfield, Ohio. Adjustable signaling means. Serial No. 550,850, Jan. 3. Class 26.
Taylor, V. L., & Co., Amarillo, Tex. Window type air conditioning units. Serial No. 562,508, Jan. 3. Class 34.
Tennant, G. H., Company, Minneapolis, Minn. Sweeping mop and squeegee. Serial No. 557,226, Jan. 3. Class 29.
Texas Vitrified Pipe Company, Mineral Wells, Tex. Vitrified clay sewer pipe, vitrified clay filter underdrain block, vitrified clay drain tile, etc. Serial No. 548,881, Jan. 3. Class 12.
Tidings Corporation of America, Mamaroneck, N. Y. Particles of material placed in enclosures for absorbing moisture from the surrounding atmosphere. Serial No. 561,273, Jan. 3. Class 6.
Timely Toys, Inc., St. Louis, Mo. Toy mechanical automobiles. Serial No. 555,571, Jan. 3. Class 22.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Hand pump. Serial No. 528,658, Jan. 3. Class 23.
Tracy, L. M., doing business as Tracy-Waldron Company, Yuma and Tempe, Ariz. Fresh vegetables, fresh grapes, fresh deciduous fruits, and cantaloupes and melons. Serial No. 554,176, Jan. 3. Class 46.
Tracy-Waldron Company: *See*—
Tracy, L. M.
Traube, Jacques, doing business as Magicook Mfg. Co., Brooklyn, N. Y. Pressure cookers. Serial No. 545,050, Jan. 3. Class 13.
Tuttle & Bailey, Incorporated, New Britain, Conn. Devices and accessories for air conditioning, heating, and ventilating systems. Serial No. 553,144, Jan. 3. Class 34.
Tyler Pipe & Foundry Company, Tyler, Tex. Plumbing supplies. Serial No. 545,563, Jan. 3. Class 13.
Union Special Machine Company, Chicago, Ill. Electro mechanical drives, electric transmitters, electronic seaming machines, etc. Serial No. 571,368, Jan. 3. Class 21.
Univator, Inc.: *See*—
Smithburn, George E.
Universal Motor Oils Co., Inc., Wichita, Kans. Lubricating oils and greases. Serial No. 566,816, Jan. 3. Class 15.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 566,904, Jan. 3. Class 18.
Utica Drop Forge & Tool Corporation, Utica, N. Y. Pliers, nippers, wrenches, snips, and hand-operated tools. Serial Nos. 563,140–1, Jan. 3. Class 23.
Van Dusen Harrington Co., Minneapolis, Minn. Egg mash feed. Serial No. 545,186, Jan. 3. Class 46.
Van Roy Company, Inc., New York, N. Y. Smoking pipes. Serial No. 571,185, Jan. 3. Class 8.
Van Sciver Products Company, Philadelphia, Pa. Toy fishing game. Serial No. 551,341, Jan. 3. Class 22.
Videodyne, Inc., Stamford, Conn. Television receivers. Serial No. 567,442, Jan. 3. Class 21.
Villetti Instrument Co.: *See*—
Villetti, John.
Villetti, John, doing business as Villetti Instrument Co. Surgical instruments. Serial No. 566,674, Jan. 3. Class 44.
V-Mac Industries, Inc., Guilford, Conn. Pipe threading tools. Serial No. 515,689, Jan. 3. Class 23.
Vogel Manufacturing Co., The, Bridgeport, Conn. Cigarette package containers, matchbook holders, etc. Serial No. 535,203, Jan. 3. Class 8.
Vokes Limited, Guildford, England. Silencers and silencing apparatus. Serial No. 512,880, Jan. 3. Class 23.
Wagner, E. R., Manufacturing Company, Milwaukee, Wis. Comb type brush cleaning mechanism. Serial No. 547,204, Jan. 3. Class 23.
Walker, Lowell J., doing business as Walker Remedy Company, Waterloo, Iowa. Remedies for use in poultry. Serial No. 566,055, Jan. 3. Class 18.
Walker Remedy Company: *See*—
Walker, Lowell J.
Walters' Palm Toffee Limited, London, England. Toffees. Serial No. 558,831, Jan. 3. Class 46.
Wasser, Joseph J., St. Louis, Mo. Toy coin banks. Serial No. 554,180, Jan. 3. Class 22.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,143, Jan. 3. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Drawing tablets. Serial No. 526,170, Jan. 3. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. Serial No. 526,321, Jan. 3. Class 37.
Whitehall Pharmacal Company, New York, N. Y. Vermifuge. Serial No. 568,768, Jan. 3. Class 18.
Wilkins, E. J., Company, Gloversville, N. Y. Bill folds. Serial No. 576,096, Jan. 3. Class 3.
Wilson, Clarice, Orange, N. J. Scalp cream. Serial No. 565,466, Jan. 8. Class 51.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga. Grain and seed fumigant. Serial No. 566,256, Jan. 3. Class 6.
Yocum Brothers, Inc., Reading, Pa. Cigars. Serial No. 561,406, Jan. 3. Class 17.
Young, Everett E., Co., Inc., West Bridgewater, Mass. Fountain type floor wax dispenser. Serial No. 512,949, Jan. 3. Class 29.
Zeigler, Harris & Co., Burbank, Calif. Kitchen sinks. Serial No. 539,924, Jan. 3. Class 13.
Zippy Corporation, Oroville, Wash. Juice-extracting machine. Serial No. 550,372, Jan. 3. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, A. Theo., & Co., to Abbott Manufacturing Company, Philadelphia, Pa. Textile fabrics. 264,390, renewed Nov. 26, 1949. O. G. Jan. 3. Class 42.
Abbott Manufacturing Company: *See*—
Abbott, A. Theo., & Co.
Abrahams, S., & Co., Inc. (also known as Saco Uniforms), Philadelphia, Pa. Men's and women's trench coats and top coats. 519,443–4, Jan. 3; Serial Nos. 553,232–3, published Sept. 20, 1949. Class 39.
Abrams & Mann, Inc., New York, N. Y. Ladies' bathing suits, play clothes, sun dresses, etc. 519,454, Jan. 3; Serial No. 555,138, published Sept. 27, 1949. Class 39.
Adams, Claude M., Humboldt, Tenn. Shoes. 512,304, July 12, 1949. Corrected. O. G. Jan. 3. Class 39.
Adams Rite Manufacturing Company, Glendale, Calif. Locks. 519,539, Jan. 3; Serial No. 558,094. Class 25.
Aircraft & Diesel Equipment Corporation, assignor, by mesne assignments, to L. G. Simmons, Chicago, Ill. Hydraulic testing equipment. 519,501, Jan. 3; Serial No. 566,682, published Sept. 13, 1949. Class 26.
Air-Way Electric Appliance Corporation, Toledo, Ohio. Electrical suction cleaners and parts and accessories thereof. 433,510, Oct. 14, 1947. Republished Jan. 3. Class 21.
Alexette Glove Corporation, Gloversville, N. Y. Leather gloves. 519,544, Jan. 3; Serial No. 561,066. Class 39.
Allen Company, New Bedford, Mass. Section-beams, section-beam heads, loom-beams, etc. 519,407, Jan. 3; Serial No. 540,135, published Sept. 6, 1949. Class 23.
Almo Sales Corporation, The, Stratford, Conn. Mechanical pencils and fountain pens. 519,403, Jan. 3; Serial No. 537,779, published Jan. 18, 1949. Class 37.
American Chicle Company, Long Island City, N. Y., by Paul F. Beich Company, Bloomington, Ill. Chewing gum. 260,706, Aug. 27, 1929. Republished Jan. 3. Class 46.
American Needlecrafts, Inc., New York, N. Y. Quilted goods in the piece. 263,832, renewed Nov. 12, 1949. O. G. Jan. 3. Class 42.
American Radiator Company, East Orange, N. J., Chicago, Ill., New York, N. Y., Philadelphia, Pa., Boston, Mass., London, England, Paris, France, and Berlin, Germany, to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Boilers and heaters. 75,777, re-renewed Nov. 16, 1949. O. G. Jan. 3. Class 34.
American Radiator & Standard Sanitary Corporation: *See*—
American Radiator Company.
American Stores Company, Philadelphia, Pa. Vitamin capsules. 417,504, Oct. 30, 1945. Republished Jan. 3. Class 18.
American Type Foundries, Incorporated, Elizabeth, N. J. Printing presses and sheet feeders. 519,411, Jan. 3; Serial No. 542,730, published Sept. 13, 1949. Class 23.
Anemostat Corporation of America, New York, N. Y. Instrument for measuring the temperature, velocity and other conditions of air and gases. 519,506, Jan. 3; Serial No. 566,964, published Sept. 13, 1949. Class 26.
Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited: *See*—
Siegert, Dr. J. G. B., & Hijos.
Appliance Parts Company, Cedar Falls, Iowa. Wringer rolls. 519,514, Jan. 3; Serial No. 512,311. Class 24.

Armstrong Cork Company, Lancaster, Pa. Linoleum and felt base, floor and wall coverings, etc. 519,429, Jan. 3. Serial No. 549,218, published Sept. 20,1949. Class 20.
Arto Manufacturing Company, Inc., The, Philadelphia, Pa. Floor finishes. 519,509, Jan. 3; Serial No. 501,230. Class 16.
Associated Merchandising Corporation, The, New York, N. Y. Nurses' uniforms. 519,490, Jan. 3; Serial No. 560,958, published Sept. 13, 1949. Class 39.
Atlantic Powdered Metals, Inc., New York, N. Y. Metal powder and metal paste, both used for making inks. 519,516, Jan. 3; Serial No. 521,313. Class 11.
Atlas Imperial Diesel Engine Co., Oakland, Calif. Internal combustion engines and parts thereof. 519,412, Jan. 3; Serial No. 542,744, published Sept. 20, 1949. Class 23.
Attorney General of the United States: *See*—
Ferd, Mulhens, Inc.
Barbara Jean Hosiery Company, South Langhorne, Pa. Hosiery. 519,427, Jan. 3; Serial No. 548,264, published Sept. 27, 1949. Class 39.
Barber-Hall Printing Company, to Southern Furniture, Inc., High Point, N. C. Monthly magazine. 253,386, renewed Feb. 26, 1949. O. G. Jan. 3. Class 38.
Barker Bros. Silversmiths Ltd., Birmingham, England. Forks, spoons, sugar-tongs, ladles, etc. 136,749, Nov. 9, 1920. Republished Jan. 3. Class 28.
Baugh and Sons Company, Baltimore, Md. Fertilizer. 265,063, Dec. 17, 1929. Republished Jan. 3. Class 10.
Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle lenses. 519,502, Jan. 3; Serial No. 566,688, published Sept. 13, 1949. Class 26.
Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn., to United States Rubber Company, New York, N. Y. Shoes. 263,101, renewed Oct. 29, 1949. O. G. Jan. 3. Class 39.
Beich, Paul F., Company: *See*—
American Chicle Company.
Bell Chemical Co., Chicago, Ill. Cleaning fluid. 519,530, Jan. 3; Serial No. 545,331. Class 52.
Bell & Howell Company, Chicago, Ill. Motion picture cameras, motion picture projectors, etc. 519,415, Jan. 3; Serial No. 543,678, published Sept. 13, 1949. Class 26.
Bethlehem Supply Company, Tulsa, Okla. Oil field drilling equipment. 519,464, Jan. 3; Serial No. 556,762, published Sept. 27, 1949. Class 23.
Blue-Bird Shoppe: *See*—
Gruner, Olly.
Boyd Manufacturing Company, Inc., The, Birmingham, Ala. Hair dressing preparation. 417,062, Oct. 16, 1945. Republished Jan. 3. Class 51.
Brown & Bigelow, St. Paul, Minn. Pyrophoric cigar lighters. 266,667, renewed Jan. 28, 1950. O. G. Jan. 3. Class 8.
Bub, Peter, Brewery, Inc., Winona, Minn. Beer. 519,547, Jan. 3; Serial No. 562,803. Class 48.
Buckeye Iron & Brass Works, Cincinnati, Ohio. Industrial vegetable oil mill machinery. 519,416, Jan. 3; Serial No. 544,049, published Sept. 27, 1949. Class 23.
Bulova Watch Company, Inc., New York, N. Y. Wrist or strap watches. 241,715, May 8, 1928. Republished Jan. 3. Class 27.
Burlington Mills Corporation, Greensboro, N. C. Men's cotton half hose and men's wool half hose. 519,409, Jan. 3; Serial No. 541,079, published Sept. 13, 1949. Class 39.
Burlington Mills Corporation, Greensboro, N. C. Silk piece goods. 519,548, Jan. 3; Serial No. 563,507. Class 42.
Burns, Jabez, & Sons, Inc., New York, N. Y. Machines and parts thereof. 519,404, Jan. 3; Serial No. 538,144, published Sept. 27, 1949. Class 23.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Greaseless base for medicaments. 519,515, Jan. 3; Serial No. 515,695. Class 18.
Burson Knitting Company, Rockford, Ill. Hosiery. 519,401, Jan. 3; Serial No. 535,126, published Sept. 13, 1949. Class 39.
Buterey Co., Inc., The: *See*—
Hill, Alfred C.
Cal Management Company, Inc., Pasadena, Calif. Garden tools. 443,655, Jan. 3; Serial No. 506,005, published Sept. 6, 1949. Class 23.
California Packing Corporation: *See*—
Prince, H. G., & Co.
California Sportwear Company, Los Angeles, Calif. Men's, women's, and children's jackets, and coats. 519,437, Jan. 3; Serial No. 551,082, published Sept. 27, 1949. Class 39.
Cameron Iron Works, Houston, Tex. Casing cutters, blowout preventers, well packers, etc. 519,393, Jan. 3; Serial No. 529,353, published Sept. 13, 1949. Class 23.
Carmon & Co., Inc.: *See*—
Heineman, Leo.
Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., Boston, Mass., Norfolk and Roanoke, Va., Chicago, Ill., and Cincinnati, Ohio, to Castner, Curran & Bullitt, Inc., Pittsburgh, Pa. Coal. 76,709, re-renewed Feb. 8, 1950. O. G. Jan. 3. Class 1.
Castner, Curran & Bullitt, Inc.: *See*—
Castner, Curran & Bullitt.
Cellu-Craft Products Company, New York, N. Y. Bags for packaging textile articles. 519,512, Jan. 3; Serial No. 504,432. Class 2.
Century Milling Co., The, Minneapolis, by Eagle Roller Mill Co., New Ulm, Minn. Flour. 222,653, Jan. 4, 1927. Republished Jan. 3. Class 46.
Chase Bag Company: *See*—
Chase Bag Co.
Chase Bag Co., St. Louis, Mo., by Chase Bag Company, New York, N. Y. Bags. 114,944, Jan. 16, 1917. Republished Jan. 3. Class 2.
Clinton Company, The, Chicago, Ill. Lacquers, paint enamels, ready-mixed paint, etc. 258,159, renewed June 25, 1949. O. G. Jan. 3. Class 16.
Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts, under shorts for men, and handkerchiefs and neckties for men and boys. 519,436, Jan. 3; Serial No. 550,668, published Sept. 13, 1949. Class 39.
Coast Manufacturing & Supply Company, Livermore, Calif. Powder train fuses. 74,544, July 20, 1909. Republished Jan. 3. Class 9.
Coffin & Neeley, Los Angeles, Calif. Screwdrivers. 519,510, Jan. 3; Serial No. 502,607. Class 23.
Cohen, S., & Co. Inc., New York, N. Y. Ladies' and misses' slips, nightgowns, camisoles, etc. 519,462, Jan. 3; Serial No. 556,318, published Sept. 13, 1949. Class 39.
Columbus McKinnon Chain Company to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Chains. 257,238, renewed June 4, 1949. O. G. Jan. 3. Class 13.
Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplanes and structural parts thereof. 502,951, Oct. 12, 1948. Canceled Sept. 12, 1949. O. G. Jan. 3. Class 19.
Continental Can Co., Syracuse, by Continental Can Company, Inc., New York, N. Y. Metal cans. 76,433, Jan. 18, 1910. Republished Jan. 3. Class 2.
Continental Can Company, Inc.: *See*—
Continental Can Co.
Cook, A. D., Incorporated, Lawrenceburg, Ind. Deep well pumps; steam pumping engines; deep well power heads; etc. 519,389, Jan. 3; Serial No. 522,047, published Sept. 13, 1949. Class 23.
Cornibert, Inc., New York, N. Y. Women's play suits, bathing suits, blouses, shorts, etc. 519,469, Jan. 3; Serial No. 557,117, published Sept. 27, 1949. Class 39.
Cornibert, Inc., New York, N. Y. Ladies' and misses' scarfs, dickeys, collars, and vestees, etc. 519,470, Jan. 3; Serial No. 557,118, published Sept. 27, 1949. Class 39.
Cory Corporation, Chicago, Ill. Coffee measuring cups. 519,503, Jan. 3; Serial No. 566,692, published Sept. 13, 1949. Class 26.
Coshocton Glove Co., The, Coshocton, Ohio, by Indianapolis Glove Company, Indianapolis, Ind. Gloves and mittens. 273,984, Aug. 19, 1930. Republished Jan. 3. Class 39.
Crucible Steel Company of America: *See*—
Halcomb Steel Company.
Crucible Steel Company of America, New York, N. Y. Air-hardening tool steel. 266,847, renewed Feb. 4, 1950. O. G. Jan. 3. Class 14.
Cussins and Fearn Company, The, Columbus, Ohio. Felt base linoleum rugs, plain and inlaid linoleum, linoleum rug borders, etc. 519,442, Jan. 3; Serial No. 553,171, published Sept. 20, 1949. Class 20.
Dalton Foundries, Inc., The, Warsaw, Ind. Automobile accessories. 519,455, Jan. 3; Serial No. 555,254, published Sept. 13, 1949. Class 23.
Danly Machine Specialties, Inc., Chicago, Ill. Power presses, die sets, tool maker supplies, etc. 519,406, Jan. 3. Serial No. 539,857, published Sept. 6, 1949. Class 23.
Day Company, The, Minneapolis, Minn. Dynamo-precipitator or hydro-static type of dust collectors. 519,520, Jan. 3; Serial No. 530,174. Class 23.
Daytimer Shoe Company, North Adams, Mass. Women's, misses', and children's shoes. 519,473, Jan. 3; Serial No. 557,506, published Sept. 20, 1949. Class 39.
De La Rue, Thomas, & Company Limited, London, England. Writing, printing, and drawing inks. 73,857, re-renewed May 25, 1949. O. G. Jan. 3. Class 11.
De La Rue, Thomas, & Company Limited, London, England. Reservoir and fountain pens and other writing-pens, rulers, etc. 74,488, re-renewed July 13, 1949. O. G. Jan. 3. Class 37.
Denney Tag Company, The, West Chester, Pa. Printed advertising tags, printed shipping tags, printed marking tags, etc. 232,931, Sept. 20, 1927. Republished Jan. 3. Class 38.
Dermetics, Inc., New York, N. Y. Perfume, cologne, etc. 437,548, Mar. 30, 1948. Canceled Nov. 15, 1949. O. G. Jan. 3. Class 6.
Diamond Match Company, The: *See*—
Independent Paper Mills, Inc.
Standard Pulp Products Co., Inc.
Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 253,402, Feb. 26, 1929. Republished Jan. 3. Class 9.
Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Toothpicks. 270,352, May 6, 1930. Republished Jan. 3. Class 44.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Clothespins. 270,579–80, May 6, 1930. Republished Jan. 3. Class 24.
Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Dishes of paper or fibre. 271,456, June 3, 1930. Republished Jan. 3. Class 2.
Diamond Match Company, The, Chicago, Ill., assignor to The Diamond Match Company, Baltimore, Md., by The Diamond Match Company, New York, N. Y. Dishes of paper or fibre. 284,001, June 9, 1931. Republished Jan. 3. Class 2.
Dick, A. B., Company, Chicago, Ill. Duplicating machines and stencil cleaning machines. 519,484, Jan. 3; Serial No. 559,586, published Sept. 20, 1949. Class 23.
Dickson-Jenkins Manufacturing Company, Fort Worth, Tex. Western style clothing for men and boys. 519,423, Jan. 3; Serial No. 547,242, published Sept. 20, 1949. Class 39.
Diebold, Incorporated, Canton, Ohio. Photographic films and sensitized photographic papers. 519,498, Jan. 3; Serial No. 564,101, published Sept. 13, 1949. Class 26.
Dodson-Fisher Company, Minneapolis, Minn. Bowling shoes. 519,417, Jan. 3; Serial No. 544,066, published Sept. 20, 1949. Class 39.
Dow, Louis F., Company: *See*—
Dow, Louis F., Co.
Dow, Louis F., Co., to Louis F. Dow Company, St. Paul, Minn. Bill folds, cardcases, hand bags, etc. 265,407, renewed Dec. 24, 1949. O. G. Jan. 3. Class 3.
Dow, Louis F., Co., to Louis F. Dow Company, St. Paul, Minn. Pencils, memo books, printed score cards, etc. 266,665, renewed Jan. 28, 1950. O. G. Jan. 3. Class 37.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Glyptal resin undercoater and primer. 259,645, Aug. 6, 1929. Republished Jan. 3. Class 16.
Eagle Roller Mill Co.: *See*—
Century Milling Co., The.
Eaton Manufacturing Company: *See*—
Reliance Manufacturing Company, The.
Ehrenberg, B., Co.: *See*—
Ehrenberg, Bertram.
Ehrenberg, B., Co., Inc.: *See*—
Ehrenberg, Bertram.
Ehrenberg, Bertram, doing business as B. Ehrenberg Co., by B. Ehrenberg Co., Inc., New York, N. Y. Fabrics of rayon, cotton, wool, etc. 264,932, Dec. 10, 1929. Republished Jan. 3. Class 42.
Eisenstadt Manufacturing Company, St. Louis, Mo. Dresser sets. 519,507, Jan. 3; Serial No. 568,782, published Sept. 13, 1949. Class 40.
Elliott, B. K., Company, Pittsburgh, Pa. Artists' paints, artists' colors, and artists' pigments. 265,423, renewed Dec. 24, 1949. O. G. Jan. 3. Class 16.
Esso Standard Oil Company: *See*—
Stanco Incorporated.
Etem, Frank J., doing business as Gard-N-Eze Co., Escondido, Calif. Garden tractors. 519,513, Jan. 3; Serial No. 511,271. Class 23.
Eugene, Ltd., New York, N. Y. Permanent wave contactors and permanent wave supplies. 345,501, Apr. 27, 1937. Republished Jan. 3. Class 44.
Eugene, Ltd., New York, N. Y. Permanent waving solutions. 345,734, May 14, 1937. Republished Jan. 3. Class 51.
Eugene, Ltd., New York, N. Y. Electric hair dryers. 383,658, Dec. 17, 1940. Republished Jan. 3. Class 44.
Eureka Vacuum Cleaner Company, Detroit, Mich. Insecticide distributors. 262,329, Oct. 8, 1929. Corrected. O. G. Jan. 3. Class 23.
Eve-N-Form Undergarment Co.: *See*—
Schuster, Charles.
Eversharp, Inc., Chicago, Ill. Safety razor blades. 519,480, Jan. 3; Serial No. 558,381, published Sept. 13, 1949. Class 23.
Fawcett Publications, Inc., Robbinsdale, Minn., to Fawcett Publications, Inc., Greenwich, Conn. Magazines. 268,108, renewed Mar. 11, 1950. O. G. Jan. 3. Class 38.
Fead, John L., & Sons, Fort Huron, Mich. Hosiery. 519,433, Jan. 3; Serial No. 550,133, published Sept. 13, 1949. Class 39.
Feder Industries, Inc., New York, N. Y. Earmuffs. 519,426, Jan. 3; Serial No. 548,248, published Sept. 20, 1949. Class 39.
Ferd. Mulhens, Inc., New York, N. Y., vested in Attorney General of the United States, Washington, D. C., and renewed to him. Eau de cologne, bath salt, perfumery, etc. 160,914, renewed Sept. 3, 1949. O. G. Jan. 3. Class 51.
Fishery Products, Inc.: *See*—
Kolbe Fish Company.
Florentine Hosiery Mills, Philadelphia, Pa. Hosiery. 519,482, Jan. 3; Serial No. 559,015, published Sept. 13, 1949. Class 39.
Foot Form Shoe Shops, Inc., New York, N. Y. Men's, women's, and children's shoes, boots, slippers, etc. 267,444, renewed Feb. 18, 1950. O. G. Jan. 3. Class 39.
Ford Motor Company, Fordson, to Ford Motor Company, Dearborn, Mich. Paste and ready-mixed paints, paint enamels, etc. 266,822, renewed Feb. 4, 1950. O. G. Jan. 3. Class 16.
Foremost Dairies, Inc., Jacksonville, Fla. Ice milk. 519,471, Jan. 3; Serial No. 557,449, published Aug. 16, 1949. Class 46.
Formaid Co., Boston, Mass. Brassières. 519,538, Jan. 3; Serial No. 557,125. Class 39.
Frederick's Brewing Co., Thornton, Ill., now by change of name McAvoy Brewing Company. Beer. 519,527, Jan. 3; Serial No. 540,184. Class 48.
French, Shriner & Urner Manufacturing Co., Boston, Mass. Men's shoes. 519,474, Jan. 3; Serial No. 557,515, published Sept. 13, 1949. Class 39.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Bow ties. 519,518, Jan. 3; Serial No. 526,220. Class 39.
Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 519,528, Jan. 3; Serial No. 540,662. Class 42.
Ganson Manufacturing Company, San Francisco, Calif. Ladies' and children's handbags, and pocketbooks. 519,535, Jan. 3; Serial No. 553,097. Class 3.
Gard-N-Eze Co.: *See*—
Etem, Frank J.
Gately's Purchasing Department, Inc., Chicago, Ill. Men's suits and top-coats and overcoats. 519,459, Jan. 3; Serial No. 556,006, published Sept. 20, 1949. Class 39.
Gay-Lee Company, Ferndale, Mich. Cutting tools. 519,519, Jan. 3; Serial No. 529,970. Class 23.
General Fisheries Corporation, San Pedro, to Terminal Island Sea Foods, Ltd., Terminal Island, Calif. Canned fish. 255,525, renewed Apr. 23, 1949. O. G. Jan. 3. Class 46.
General Grocer Company, St. Louis, Mo. Food products. 519,405, Jan. 3; Serial No. 538,270, published Sept. 27, 1949. Class 46.
General Utilities Distributors, Inc., Chicago, Ill. Sewing machines. 519,388, Jan. 3; Serial No. 516,686, published Sept. 6, 1949. Class 23.
Glastenbury Knitting Co.: *See*—
Wright's Underwear Corporation.
Goldenberg Company, The: *See*—
Goldenberg's.
Goldenberg's, by The Goldenberg Company, Washington, D. C. Felt-base floor rugs. 233,303, Sept. 27, 1927. Republished Jan. 3. Class 20.
Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. 519,392, Jan. 3; Serial No. 529,022, published Sept. 20, 1949. Class 39.
Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 443,656, Jan. 3; Serial No. 517,303, published Sept. 27, 1949. Class 39.
Gro-Cord Rubber Company, Lima, Ohio. Soles and heels. 519,476, Jan. 3; Serial No. 557,980, published Sept. 13, 1949. Class 39.
Gruner, Olly, doing business as Blue-Bird Shoppe, New York, N. Y. Ladies' hosiery. 519,489, Jan. 3; Serial No. 560,883, published Sept. 27, 1949. Class 39.
Guenther Publishing Corporation, New York, N. Y. Periodical publication. 262,520, renewed Oct. 15, 1949. O. G. Jan. 3. Class 38.
Gulf Publishing Company, Houston, Tex. Weekly publication. 264,593, renewed Nov. 26, 1949. O. G. Jan. 3. Class 38.
Gulf & West Indies Co., Inc., New York, N. Y. Cosmetic applicators. 519,508, Jan. 3; Serial No. 468,199. Class 1.
Gutekunst, Carl, York, Pa. Can openers. 519,457, Jan. 3; Serial No. 555,669, published Sept. 20, 1949. Class 23.
Gypsy Products Co., Inc., Chaires, to Havanna Canning Company, Havana, Fla. May haw jelly, strawberry preserves, pure Guava jelly, etc. 262,207, renewed Oct. 1, 1949. O. G. Jan. 3. Class 46.
H & W Company, The, Newark, N. J. Brassières, girdles, and corsettes. 519,521, Jan. 3; Serial No. 531,911. Class 39.
Halaby, Samuel A., doing business as Samuel Halaby Company, Rochester, N. Y. Soap. 411,533, Jan. 23, 1945. Canceled May 13, 1949. O. G. Jan. 3. Class 4.
Halaby, Samuel, Company: *See*—
Halaby, Samuel A.
Halcomb Steel Company, Geddes, Syracuse, to Crucible Steel Company of America, New York, N. Y. Air-hardening die steel. 267,204, renewed Feb. 18, 1950. O. G. Jan. 3. Class 14.
Hallowell Shoe Company, Hallowell, Maine. Shoes. 519,478, Jan. 3; Serial No. 558,298, published Sept. 27, 1949. Class 39.
Halyard, Rossbelle, Brooklyn, N. Y. Prepared bandage braces. 519,541, Jan. 3; Serial No. 560,018. Class 44.
Harnischfeger Corporation, Milwaukee, Wis. Publication. 234,934, Nov. 8, 1927. Republished Jan. 3. Class 38.
Hat Corporation of America: *See*—
Knox Hat Company, Inc.
Havanna Canning Company: *See*—
Gypsy Products Co., Inc.
Hays Corporation, The, Michigan City, Ind. Force measuring transmitter, 519,495, Jan. 3; Serial No. 563,116, published Sept. 13, 1949. Class 26.
Health Products Corporation: *See*—
Malle, William C.
Heineman, Leo, by Carmon & Co., Inc., New York, N. Y. Liquid cleaning preparation. 231,008, Aug. 9, 1927. Republished Jan. 3. Class 52.
Heller, E. C., Co., Inc., Baltimore, Md. Mattresses. 263,732, Nov. 12, 1929. Republished Jan. 3. Class 32.

Hendey Machine Company, The, Torrington, Conn. Lathes, shapers, milling machines, and centering machines. 519,497, Jan. 3; Serial No. 563,999, published Sept. 27, 1949. Class 23.

Hessel, Isadore A., St. Louis, Mo. Children's panties. 443,658, Jan. 3; Serial No. 526,228, published Apr. 27, 1948. Class 39.

Heublein, J. F., & Bro., Inc.: *See*—
International Products Corporation.

Hickman, Williams & Company, Cincinnati, Ohio. Pig iron, ferroalloys, and steel. 267,390, renewed Feb. 18, 1950, O. G. Jan. 3. Class 14.

Hill, Alfred C., doing business as Hill Baking Co., Vernon, Tex., by The Butereg Co., Inc., Kansas City, Mo. Bread. 299,824, Dec. 27, 1932. Republished Jan. 3. Class 46.

Hill Baking Co.: *See*—
Hill, Alfred C.

Hjelm, Alfred, Seattle, Wash. Detachable garment pockets. 519,493, Jan. 3; Serial No. 562,188, published Sept. 20, 1949. Class 39.

Hogan Advertising Company: *See*—
Hogan, John M.

Hogan, John M., doing business as Sendol Company, by Hogan Advertising Company, Kansas City, Mo. Medicinal preparations. 230,663, Aug. 2, 1927. Republished Jan. 3. Class 18.

Hollandia Kattenburg, Incorporated, New York, N. Y. Raincoats. 519,485, Jan. 3; Serial No. 559,707, published Sept. 20, 1949. Class 39.

Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh citrus fruits, orange marmalade, and orange juice. 267,116, renewed Feb. 11, 1950. O. G. Jan. 3. Class 46.

Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh citrus fruits. 267,117, renewed Feb. 11, 1950. O. G. Jan. 3. Class 46.

Hortex Manufacturing Co., Inc., El Paso, Tex. Boys' slacks and overalls. 519,494, Jan. 3; Serial No. 562,472, published Sept. 20, 1949. Class 39.

Hotchkiss, E. H., Company, The: *See*—
Hotchkiss Realty Corporation.

Hotchkiss Realty Corporation, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machines. 519,410, Jan. 3; Serial No. 542,472, published Sept. 20, 1949. Class 23.

Hunt, C. B., & Son, by C. B. Hunt & Son, Inc., Salem, Ohio. Hose couplers. 196,675, Mar. 24, 1925. Republished Jan. 3. Class 13.

Hunt, C. B., & Son, Inc.: *See*—
Hunt, C. B., & Son.

Hunter Brothers Company Inc., Statesville, N. C. Men's and boys' union suits, pajamas, athletic shorts, etc. 519,486, Jan. 3; Serial No. 559,709, published Sept. 13, 1949. Class 39.

Huyck, F. C., & Sons, Rensselaer and Albany, N. Y. Blankets. 309,923, Feb. 6, 1934. Canceled Oct. 25, 1949. O. G. Jan. 3. Class 42.

Independent Paper Mills, Inc., Plattsburgh and New York, N. Y., by The Diamond Match Company, New York, N. Y. Paper napkins. 245,176, Aug. 7, 1928. Republished Jan. 3. Class 37.

Indianapolis Glove Company: *See*—
Coshocton Glove Co., The.

Inland Rubber Corporation, Chicago, Ill. Pressure blocks, molds, vulcanizers, etc. 519,396, Jan. 3; Serial No. 531,597, published Sept. 20, 1949. Class 23.

International Cellucotton Products Company: *See*—
San-I-Sal Laboratories, Inc.

International Products Corporation, New York, N. Y., to J. F. Heublein & Bro., Inc., Hartford, Conn. Beef bouillon, 268,798, renewed Mar. 18, 1950. O. G. Jan. 3. Class 46.

Interstate Department Stores, Inc., to Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Bed sheets, pillowcases, sheetings and muslins. 268,465, renewed Mar. 18, 1950. O. G. Jan. 3. Class 42.

Invicta-Seeland, Inc., New York, N. Y. Watches, watch cases, watch parts, etc. 389,766, Aug. 19, 1941. Republished Jan. 3. Class 27.

Irma Hosiery Company, Philadelphia, Pa. Women's hosiery. 519,488, Jan. 3; Serial No. 560,472, published Sept. 20, 1949. Class 39.

Jackman, M., & Sons, Inc., Los Angeles, Calif. Men's and women's clothing. 519,531, Jan. 3; Serial No. 546,997. Class 39.

Jackson & Church Company, Saginaw, Mich. Brick presses, pulp presses and automatic jointer feeders. 519,435, Jan. 3; Serial No. 550,236, published Sept. 27, 1949. Class 23.

Jerks Socks, Inc.: *See*—
Primfit Textile Company, Inc., The.

Jolibar Hosiery Co., Boston, Mass. Hosiery. 519,425, Jan. 3; Serial No. 547,996, published Sept. 27, 1949. Class 39.

Jordan Marsh Company, Boston, Mass. Sewing machines. 234,841, Nov. 8, 1927. Republished Jan. 3. Class 23.

Joubert Cie, Inc., by The Nestle Le-Mur Company, New York, N. Y. Face and talcum powders, rouge, lip stick, face creams, etc. 263,019, Oct. 29, 1929. Republished Jan. 3. Class 51.

Kalfin-Fleischmann, Inc., Boston, Mass. Men's, women's and children's waterproof and water repellent coats and jackets. 519,441, Jan. 3; Serial No. 552,982, published Sept. 27, 1949. Class 39.

Kats Drug Company: *See*—
Veldown Company, Inc.

Kaye, Harry, doing business as Treasures of Paris, New York, N. Y., to Harry Kaye, Chicago, Ill. Hosiery; women's and children's night-gowns, pajamas, bath robes, etc. 263,103, renewed Oct. 29, 1949. O. G. Jan. 3. Class 39.

Kayser, Julius, & Co., New York, N. Y. Hosiery. 519,438–9, Jan. 3; Serial Nos. 551,566–7, published Sept. 27, 1949. Class 39.

Keehn Brothers: *See*—
Keehn, L. D.

Keehn, L. D., doing business under the name Keehn Brothers, Chicago, Ill. Shoes. 519,384, Jan. 3; Serial No. 490,887, published Sept. 27, 1949. Class 39.

Kleinert, I. B., Rubber Company, Inc., New York, N. Y. Undergarments. 443,657, Jan. 3; Serial No. 520,712, published Sept. 20, 1949. Class 39.

Knight Slipper Mfg. Corp., Brooklyn, N. Y. Ladies', men's, misses' and children's slippers. 519,456, Jan. 3; Serial No. 555,607, published Sept. 20, 1949. Class 39.

Knothe Brothers Co. Inc., New York, N. Y. Men's and boys' pajamas, textile underwear, etc. 262,280, renewed Oct. 1, 1949. O. G. Jan. 3. Class 39.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Men's leather hat boxes and women's leather hand bags. 278,084, Dec. 2, 1930. Republished Jan. 3. Class 3.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Men's leather hat boxes and women's leather handbags. 278,598, Dec. 23, 1930. Republished Jan. 3. Class 3.

Kolbe Fish Company, Erie, Pa., by Fishery Products, Inc., Cleveland, Ohio. Fresh, frozen, and smoked fish. 204,061, Oct. 6, 1925. Republished Jan. 3. Class 46.

Krasnow Belt Co., Inc., New York, N. Y. Leather garment belts for men. 519,418, Jan. 3; Serial No. 544,880, published Sept. 13, 1949. Class 39.

Lady Esther, Ltd., Chicago, Ill. Lipstick. 519,524, Jan. 3; Serial No. 533,865. Class 51.

Largman Gray Company, Philadelphia, Pa. Women's hosiery. 519,492, Jan. 3; Serial No. 561,247, published Sept. 27, 1949. Class 39.

Larmloc Corporation, Chicago, Ill. Locks and lock systems. 519,434, Jan. 3; Serial No. 550,155, published Sept. 27, 1949. Class 25.

Lefkowitz, I., & Sons, Inc., Brooklyn, N. Y. Fruit syrups for beverages and soda fountain use. 237,287, Jan. 3, 1928. Republished Jan. 3. Class 45.

Lorenz, Wallace J., Arlington, Calif. Brooms and mops. 519,522, Jan. 3; Serial No. 533,234. Class 29.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Men's, women's, and children's suits and overcoats, sport shirts, etc. 519,390, Jan. 3; Serial No 524,095, published Sept. 27, 1949. Class 39.

Lynchburg Hosiery Mills, Inc., Lynchburg, Va. Ladies' hosiery. 519,467, Jan. 3; Serial No. 557,054, published Sept. 13, 1949. Class 39.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. 519,421, Jan. 3; Serial 547,016, published Sept. 13, 1949. Class 39.

Mahr-Bufton Co.: *See*—
Mahr, Julius A.

Mahr, Julius A., by Mahr-Bufton Co., Minneapolis, Minn. Baby carriages. 364,319, Jan. 24, 1939. Republished Jan. 3. Class 19.

Mannington Mills, Inc., Salem, N. J. Felt base floor coverings. 519,391, Jan. 3; Serial No. 524,141, published Aug. 9, 1949. Class 20.

Markell, Maurice J., Brooklyn, N. Y. Men's, women's and children's shoes and slippers. 519,431, Jan. 3; Serial No. 549,455, published Sept. 13, 1949. Class 39.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's dress shirts, work shirts, collars, etc. 263,450, renewed Nov. 5, 1949. O. G. Jan. 3. Class 39.

Marshall Field & Company, Chicago, Ill. Women's and misses' hats. 519,399, Jan. 3; Serial No. 533,225, published Sept. 13, 1949. Class 39.

Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Olives. 519,402, Jan. 3; Serial No. 535,729, published Sept. 13, 1949. Class 46.

Mayborn Food Products Co., The, Cleveland, Ohio. Orange-flavored syrup. 519,540, Jan. 3; Serial No. 559,443. Class 45.

McAvoy Brewing Company: *See*—
Frederick's Brewing Co.

McKinnon Chain Corporation: *See*—
Columbus McKinnon Chain Company.

Mechanised Horticultural Implements Limited, London, England. Cultivators and tractors. 519,445, Jan. 3; Serial 553,500, published Sept. 6, 1949. Class 23.

Mensel & Co., to Vita Food Products, Inc., New York, N. Y. Hams, sausages, frankfurters, etc. 260,350, renewed Aug. 20, 1949. O. G. Jan. 3. Class 46.

Mercantile Stores Company, Inc., Wilmington, Del. Shoes. 519,481, Jan. 3; Serial No. 558,400, published Sept. 27, 1949. Class 39.

Meyers, Isadore, & Sons, Philadelphia, Pa. Trousers. 519,386, Jan. 3; Serial No. 498,709, published Sept. 27, 1949. Class 39.

Milam Manufacturing Company, Tupelo, Miss. "Bobby" suits, boys' wash suits, children's aprons, girls' dresses, etc. 383,142, Nov. 26, 1940. Republished Jan. 3. Class 39.

Millerton Manufacturing Company, Inc., Millerton, N. Y. Bedroom ensembles. 519,533, Jan. 3; Serial No. 548,981. Class 42.

Miner, Read & Garette, to Miner, Read & Tullock, Inc., New Haven, Conn. Canned vegetables, fruit, and fish. 74,144, re-renewed June 22, 1949. O. G. Jan. 3. Class 46.

Miner, Read & Tullock, Inc.: *See*—
Miner, Read & Garette.

Murphy, Brill & Sahner, Inc., New York, N. Y. Hosiery. 519,451–2, Jan. 3; Serial Nos. 554,392–3, published Sept. 27, 1949. Class 39.

Mustad, O., & Son, Oslo, Norway. Fishhooks. 264,146, renewed Nov. 19, 1949. O. G. Jan. 3. Class 22.

Mutual Orange Distributors, Redlands, Calif. Fresh deciduous fruits, fresh grapes, fresh citrus fruits. 238,607, Feb. 14, 1928. Republished Jan. 3. Class 46.

Nalle, William C., Washington, D. C., assignor to Health Products Corporation, to White Laboratories, Inc., Newark, N. J. Chewing gum containing aspirin. 266,349, renewed Jan. 14, 1950. O. G. Jan. 3. Class 18.

National Broadcasting Company, Inc., New York, N. Y. Sound records. 348,710, Aug. 3, 1937. Canceled Nov. 3, 1949. O. G. Jan. 3.

National Peanut Corporation, Wilkes-Barre, Pa. Potato chips. 519,465, Jan. 3; Serial No. 556,906, published Sept. 27, 1949. Class 46.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Latex compositions. 268,897, renewed Nov. 12, 1949. O. G. Jan. 3. Class 1.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Adhesives. 264,339, renewed Nov. 26, 1949. O. G. Jan. 3. Class 5.

Neilson Chemical Company, Detroit, Mich. Chemical preparation for cleaning and preparing metal surfaces to receive paint. 519,511, Jan. 3; Serial No. 504,202. Class 52.

Nelson, James, Limited, Valley Mills, Nelson, Lancashire, England. Textile-fabric underwear and outer wear, etc. 262,423, Oct. 8, 1929. Republished Jan. 3. Class 39.

Nestle Le-Mur Company, The: *See*—
Joubert Cie, Inc.

New England Grain Products Co.: *See*—
St. Albans Grain Company.

New York Belting and Packing Company, Limited, to United States Rubber Company, New York, N. Y. Hose. 75,707, re-renewed Nov. 2, 1949. O. G. Jan. 3. Class 35.

New York Merchandise Co., Inc., New York, N. Y. Hair nets. 519,543, Jan. 3; Serial No. 560,723. Class 39.

Nuzan Brassiere Co., Inc., assignor to Surprise Brassiere Co., Inc., New York, N. Y. Brassières. 519,529, Jan. 3; Serial No. 542,482. Class 39.

Old Colony Envelope Company, Westfield, Mass. Writing and printing paper, mailing envelopes, etc. 291,668, Feb. 23, 1932. Republished Jan. 3. Class 37.

Peerless Rubber Manufacturing Company, to United States Rubber Company, New York, N. Y. Rubber hose. 76,258, re-renewed Dec. 28, 1949. O. G. Jan. 3. Class 35.

Peerless Shirt & Overall Mfg. Co., Wilkes-Barre, Pa. Men's, women's, and boys' work clothing. 519,458, Jan. 3; Serial No. 555,839, published Sept. 27, 1949. Class 39.

Picture Belt Company, The, Denver, Colo. Belts for wearing apparel. 519,496, Jan. 3; Serial No. 563,534, published Sept. 20, 1949. Class 39.

Piel Bros., Brooklyn, N. Y. Beer. 519,542, Jan. 3; Serial No. 560,349. Class 48.

Pilot Full Fashion Mills, Inc., Valdese, N. C. Hosiery. 519,475, Jan. 3; Serial No. 557,776, published Sept. 13, 1949. Class 39.

Plan-O-Blocks, Inc., Binghamton, N. Y. Package containing a set of scaled components for architectural models. 519,532. Jan. 3; Serial No. 548,015. Class 26.

Plymouth Wholesale Dry Goods Corporation: *See*—
Interstate Department Stores, Inc.

Polan, Katz & Co., by Polan, Katz & Company, Inc., Baltimore, Md. Umbrellas. 240,161, Mar. 20, 1928. Republished Jan. 3. Class 41.

Polan, Katz & Company, Inc.: *See*—
Polan, Katz & Co.

Popsicle Corporation of the United States, The, New York, N. Y. Frozen confectionery. 289,751, Dec. 1, 1931. Canceled Dec. 8, 1949. O. G. Jan. 3. Class 46.

Portland Glove Company, Portland, Oreg. Work clothing. 519,887, Jan. 3; Serial No. 512,285, published Sept. 27, 1949. Class 39.

Price Battery Corporation, Hamburg, Pa. Storage batteries. 370,837, Sept. 5, 1939. Canceled Nov. 10, 1949. O. G. Jan. 3. Class 21.

Primfit Textile Company, Inc., The, to Jerks Socks, Inc., Cincinnati, Ohio. Ladies', men's, and children's hosiery and knitted and textile underwear. 268,490, renewed Mar. 18, 1950. O. G. Jan. 3. Class 39.

Prince, H. G., & Co., Fruitvale, assignor to California Packing Corporation, to California Packing Corporation, San Francisco, Calif. Canned fruit. 266,641, renewed Jan. 28, 1950. O. G. Jan. 3. Class 46.

Producers Creamery Company, Springfield, Mo. Butter and powdered milk. 267,104, renewed Feb. 11, 1950. O. G. Jan. 3. Class 46.

Puritan Company of America, Chicago, Ill. Olives and maraschino cherries. 519,479, Jan. 3; Serial No. 558,321, published Sept. 27, 1949. Class 46.

Pyrexon Ray Company Limited, Toronto, Canada. Electric heating pads. 519,523, Jan. 3; Serial No. 538,822. Class 44.

Ranger Seafood, Inc., Buena Park, Calif. Canned tuna fish. 519,545, Jan. 3; Serial No. 561,944. Class 46.

Reeves, Parvin & Co., Philadelphia, Pa. Canned tomatoes and ground pepper. 266,666, renewed Jan. 28, 1950. O. G. Jan. 3. Class 46.

Reliance Manufacturing Company, The, Massillon, to Eaton Manufacturing Company, Cleveland, Ohio. Nut locks and spring washers. 267,010, renewed Feb. 11, 1950. O. G. Jan. 3. Class 18.

Revlon Products Corporation, New York, N. Y. Tinted face make-up. 519,549, Jan. 3; Serial No. 565,300. Class 51.

Rhodes Ranch Egg Company, The, Denver, Colo. Eggs. 266,067–8, Jan. 14, 1930. Republished Jan. 3. Class 46.

Rice Growers Association of California, Sacramento, Calif. Rice. 375,077, Feb. 6, 1940. Republished Jan. 3. Class 46.

Rice-O'Neill Shoe Company, St. Louis, Mo. Shoes. 519,385, Jan. 3; Serial No. 491,120, published Sept. 20, 1949. Class 39.

Rich Guild Shirt Company, New York, N. Y. Men's sport shirts and dress shirts. 519,491, Jan. 3; Serial No. 561,142, published Sept. 27, 1949. Class 39.

Riegel Paper Corporation: *See*—
Warren Manufacturing Company, The.

Rivoli Mills, Incorporated, The, Chattanooga, Tenn. Men's, women's, and children's sweaters, sweat shirts, cardigans, etc. 519,397, Jan. 3; Serial No. 532,059, published Sept. 13, 1949. Class 39.

Rivoli Mills, Incorporated, The, Chattanooga, Tenn. Men's, women's, and children's sweaters, sweat shirts, cardigans, etc. 519,398, Jan. 3; Serial No. 532,634, published Sept. 13, 1949. Class 39.

Robertson Factories, Inc., New York, N. Y. Window curtains. 519,517, Jan. 3; Serial No. 522,457. Class 42.

Robinson, William H., Cairo, Ga. Shelled and unshelled pecans. 262,221, renewed Oct. 1, 1949. O. G. Jan. 3. Class 46.

Roe, A. V., & Company Limited, Manchester, England. Aeroplanes, seaplanes, hydroplanes, etc. 264,212, Nov. 19, 1929. Canceled Nov. 15, 1949. O. G. Jan. 3. Class 19.

Root, Myron, and Company, Inc., Medford, Oreg. Fresh pears. 359,694, Aug. 30, 1938. Republished Jan. 3. Class 46.

Rosenblatt, D. B., Incorporated, Minneapolis, Minn. Men's coats. 519,546, Jan. 3; Serial No. 562,502. Class 39.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 519,440, Jan. 3; Serial No. 552,083, published Sept. 27, 1949. Class 39.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 519,446–7, Jan. 3; Serial Nos. 553,749–50, published Sept. 27, 1949. Class 39.

Rowland, Ernest L., Jr., doing business as Rowland Research Laboratories, Jacksonville, Fla. Blood counting and testing apparatus. 519,466, Jan. 3; Serial No. 556,919, published Sept. 13, 1949. Class 26.

Rowland Research Laboratories: *See*—
Rowland, Ernest L., Jr.

Rudofker's, S. Sons, Inc., Philadelphia, Pa. Boys', youths', and men's coats, pants, vests, and suits for formal wear. 519,448–50, Jan. 3; Serial Nos. 554,164–5, published Sept. 27, 1949. Class 39.

Saco Uniforms: *See*—
Abrahams, S., & Co., Inc.

St. Albans Grain Company, St. Albans, Vt., by New England Grain Products Co., Yarmouth, Maine. Horse feed. 247,332. Sept. 25, 1928. Republished Jan. 3. Class 46.

Sandy Hill Iron & Brass Works, The, Hudson Falls, N. Y. Oil film bearings. 519,463, Jan. 3; Serial No. 556,701, published Sept. 20, 1949. Class 23.

San-I-Sal Laboratories, Inc., Washington, D. C., to International Cellucotton Products Company, Chicago, Ill. Dry cleaner for cleaning fabrics. 266,649, renewed Jan. 28, 1950. O. G. Jan. 3. Class 52.

Sapphire Hosiery Corporation, New York, N. Y. Hosiery. 519,477, Jan. 3; Serial No. 558,171, published Sept. 13, 1949. Class 39.

Schenley Industries, Inc.: *See*—
Tonkin Distributing Co.

Schuster, Charles, doing business as Eve-N-Form Undergarment Co., Philadelphia, Pa. Slips and petticoats. 519,504, Jan. 3; Serial No. 566,809, published Sept. 27, 1949. Class 39.

Security Flour Mills Company, The, by The Security Milling Co., Inc., Abilene, Kans. Wheat flour. 240,670, Apr. 3, 1928. Republished Jan. 3. Class 46.

Security Milling Co., Inc., The: *See*—
Security Flour Mills Company, The.

Sendol Company: *See*—
Hogan, John M.

Shanhouse, W., Sons, Inc., Rockford, Ill. Poplin jackets and wool jackets. 519,460–1, Jan. 3; Serial Nos. 556,144–5, published Sept. 13, 1949. Class 39.

Sherman Products: *See*—
Sherman, Sol.

Sherman, Sol, doing business as Sherman Products, New York, N. Y. Bow ties, neckties, sport, dress and negligee shirts, etc. 519,487, Jan. 3; Serial No. 560,359, published Sept. 27, 1949. Class 39.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints; varnishes; lacquers; etc. 519,400, Jan. 3; Serial No. 533,509, published July 19, 1949. Class 16.

Sidney Machine Tool Company, The, Sidney, Ohio. Metal working lathes and wire-winding machines. 519,432, Jan. 3; Serial No. 549,577, published Sept. 20, 1949. Class 23.

Siegert, Dr. J. G. B., & Hijos, to Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited, Port of Spain, Trinidad. Cordials. 75,717, re-renewed Nov. 9, 1949. O. G. Jan. 3. Class 49.

Sikorsky Aviation Corporation: *See*—
Sikorsky, Igor.

Sikorsky, Igor, College Point, N. Y., assignor to The Sikorsky Aviation Corporation, Wilmington, Del., by United Aircraft Corporation, East Hartford, Conn. Airplanes and airplane parts. 263,128, Oct. 29, 1929. Republished Jan. 3. Class 19.

Simmons, Louis G.: *See*—
Aircraft & Diesel Equipment Corporation.

Singer, Joseph, Inc., Hart, Mich. Men's suits. 519,472, Jan. 3; Serial No. 557,472, published Sept. 13, 1949. Class 39.

Sitroux Company, Inc., The, Brooklyn, by Sitroux, Inc., New York, N. Y. Bleached absorbent cheesecloth. 334,933, May 19, 1936. Republished Jan. 3. Class 42.

Sitroux, Inc.: *See*—
Sterilek Co. Inc., The.
Sitroux Company, Inc., The.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Men's, women's, misses' and children's caps; hats, shoes, gloves, etc. 519,428, Jan. 3; Serial No. 548,539, published Sept. 20, 1949. Class 39.

Sklar, J., Manufacturing Co., Long Island City, N. Y. Surgical instruments. 519,536, Jan. 3; Serial No. 555,088. Class 44.

Smith, Harris, Inc., New York, N. Y. Men's outer shirts and pyjamas. 519,430, Jan. 3; Serial No. 549,296, published Sept. 20, 1949. Class 39.

Southern Furniture, Inc.: *See*—
Barber-Hall Printing Company.

Sport Products, Inc., Cincinnati, Ohio. Men's and boys' sport and athletic clothing. 519,395, Jan. 3; Serial No. 530,980, published Sept. 27, 1949. Class 39.

Stag Clothes, Inc., Philadelphia, Pa. Men's and boys' pants. 519,408, Jan. 3; Serial No. 540,031, published Sept. 20, 1949. Class 39.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Empty glass bottles. 265,526, renewed Dec. 31, 1949. O. G. Jan. 3. Class 33.

Standard Brands Incorporated, Dover, Del., Cincinnati, Ohio, and New York, N. Y., to Standard Brands Incorporated, New York, N. Y. Baking powder. 268,699, renewed Mar. 18, 1950. O. G. Jan. 3. Class 46.

Standard Pulp Products Co., Inc., by The Diamond Match Company, New York, N. Y. Plates and dishes. 311,841, Apr. 10, 1934. Republished Jan. 3. Class 2.

Stanley Home Products, Inc., Westfield, Mass. Liquid dentifrice. 431,786, Aug. 5, 1947. Canceled Oct. 20, 1949. O. G. Jan. 3. Class 6.

Stanley Home Products, Inc., Westfield, Mass. All purpose skin cream. 431,797, Aug. 5, 1947. Canceled Oct. 20, 1949. O. G. Jan. 3. Class 6.

Stanley Home Products, Inc., Westfield, Mass. Preparation with disinfectant, deodorant, etc. 433,539, Oct. 14, 1947. Canceled Nov. 7, 1949. O. G. Jan. 3. Class 6.

Stedfast Rubber Company to Stedfast Rubber Company, Inc., Mattapan, Mass. Artificial leather. 262,504, renewed Oct. 15, 1949. O. G. Jan. 3. Class 50.

Stedfast Rubber Company, Inc.: *See*—
Stedfast Rubber Company.

Sterilek Company, Inc., The, Brooklyn, by Sitroux, Inc., New York, N. Y. Facial tissues. 325,361, June 18, 1935. Republished Jan. 3. Class 37.

Sterilek Company, Inc., The, Brooklyn, by Sitroux, Inc., New York, N. Y. Facial tissues. 340,301, Nov. 3, 1936. Republished Jan. 3. Class 37.

Sterilek Co., Inc., The, by Sitroux, Inc., New York, N. Y. Facial tissues. 385,169, Feb. 18, 1941. Republished Jan. 3. Class 37.

Stern, Merrit Co. Inc., New York, N. Y. Neckties. 519,413, Jan. 3; Serial No. 542,795, published Sept. 20, 1949. Class 39.

Stix, Baer & Fuller Company, St. Louis, Mo. Silk crepe in the piece and in the bolt. 238,990, Feb. 21, 1928. Republished Jan. 3. Class 42.

Stix, Baer and Fuller Company, St. Louis, Mo. Men's and boys' outer wearing apparel. 267,624, renewed Feb. 25, 1950. O. G. Jan. 3. Class 39.

Strouse, Adler Company, The, New Haven, Conn. Women's corsets. 519,537, Jan. 3; Serial No. 557,085. Class 39.

Struthers, James A., by Strutwear Incorporated, Minneapolis, Minn. Hosiery. 113,453, Oct. 17, 1916. Republished Jan. 3. Class 39.

Strutwear Incorporated: *See*—
Struthers, James A.

Superior Petticoat Company, New York, N. Y. Satin piece goods. 341,575, Dec. 15, 1936. Canceled Nov. 28, 1949. O. G. Jan. 3. Class 42.

Surprise Brassiere Co., Inc.: *See*—
Nuzan Brassiere Co., Inc.

Swift and Company, Chicago, Ill. Toilet and bath soaps and soaps in flake form. 443,654, Jan. 3; Serial No. 477,751, published Mar. 20, 1945. Class 52.

Swizzels, Inc., New York, N. Y. Confectionery. 519,534, Jan. 3; Serial No. 550,755. Class 46.

Technicolor Motion Picture Corporation, Boston, Mass., to Technicolor Motion Picture Corporation, Hollywood, Calif. Motion-picture films. 267,288, renewed Feb. 18, 1950. O. G. Jan. 3. Class 26.

Terminal Island Sea Foods, Ltd.: *See*—
General Fisheries Corporation.

Textileather Corporation: *See*—
Zapon Company, The.

Thermocor Products, Inc., Erlanger, Ky. Preparations for cleansing, polishing, etc. 502,955, Oct. 12, 1948. Canceled Nov. 18, 1949. O. G. Jan. 3. Class 4.

Thomas & Betts Co., The, Elizabeth, N. J. Conduit bending tools. 519,422, Jan. 3; Serial No. 547,054, published Sept. 20, 1949. Class 23.

Thompson Horticultural Chemicals Corp., Los Angeles, Calif. Multi-hormone preparation. 429,513, Apr. 29, 1947. Canceled Nov. 10, 1949. O. G. Jan. 3. Class 6.

Three Crown Productions: *See*—
Williamson, Birger E.

Tingue, Brown & Co., New York, N. Y. Piece goods. 261,714, renewed Sept. 24, 1949. O. G. Jan. 3. Class 42.

Tonkin Distributing Co., by Schenley Industries, Inc., San Francisco, Calif. Blend of brandy and rum. 337,489, Aug. 11, 1936. Republished Jan. 3. Class 49.

Treasures of Paris: *See*—
Kaye, Harry.

Union Fishermen's Co-Op. Pack'g Co., Astoria, Oreg. Canned salmon. 75,886, re-renewed Nov. 23, 1949. O. G. Jan. 3. Class 46.

United Aircraft Corporation: *See*—
Sikorsky, Igor.

United Conveyor Corporation, Chicago, Ill. Pneumatic conveyors and conveying system. 267,072–3, renewed Feb. 11, 1950. O. G. Jan. 3. Class 23.

U. S. Foot Appliance Corporation, Chicago, Ill. Shoe insoles. 519,468, Jan. 3; Serial No. 557,094, published Sept. 13, 1949. Class 39.

United States Rubber Company: *See*—
Beacon Falls Rubber Shoe Company, The.
Naugatuck Chemical Company, The.
New York Belting and Packing Company Limited.
Peerless Rubber Manufacturing Company.

United States Rubber Company, New Brunswick, N. J., and New York, N. Y., to United States Rubber Company, New York, N. Y. Footholds made of rubber. 264,383, renewed Nov. 26, 1949. O. G. Jan. 3. Class 39.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Disinfectant, germicide, and deodorant. 236,417, Dec. 13, 1927. Republished Jan. 3. Class 6.

Vaco Products Company, Chicago, Ill. Screw drivers. 519,414, Jan. 3; Serial No. 542,800, published Sept. 20, 1949. Class 23.

Vanity Corset Company, Inc., New York, N. Y. Corsets, corselets, girdles, etc. 519,500, Jan. 3; Serial No. 565,666, published Sept. 27, 1949. Class 39.

Van Wert Manufacturing Co., The, Van Wert, Ohio. Overalls; service coats; coversuits; etc. 519,420, Jan. 3; Serial No. 546,252, published Sept. 13, 1949. Class 39.

Veldown Company, Inc., New York, N. Y., by Katz Drug Company, Kansas City, Mo. Cleansing tissues. 341,725, Dec. 22, 1936. Republished Jan. 3. Class 37.

Victory Racing Plate Company, The, Baltimore, Md. Horseshoes. 268,670, renewed Mar. 18, 1950. O. G. Jan. 3. Class 3.

Vintage Wines, Inc., New York, N. Y. Cognac. 519,526, Jan. 3; Serial No. 538,685. Class 49.

Vita Food Products, Inc.: *See*—
Menzel & Co.

Warren Manufacturing Company, The, Riegelsville, N. J., and New York, N. Y., by Riegel Paper Corporation, New York, N. Y. Waxed wrapping paper and waxed paper. 247,157, Sept. 18, 1928. Republished Jan. 3. Class 37.

Washougal Woolen Mills, Washougal, Wash. Men's trousers and slacks, etc. 519,419, Jan. 3; Serial No. 545,803, published Sept. 27, 1949. Class 39.

Weber and Heilbroner, Inc., New York, N. Y. Men's suits, slacks, outer and under shirts, etc. 519,483, Jan. 3; Serial No. 559,263, published Sept. 27, 1949. Class 39.

White-Haines Optical Company, The, Columbus, Ohio. Spectacles, spectacle frames and ophthalmic lenses. 519,525, Jan. 3; Serial No. 535,917. Class 26.

White Laboratories, Inc.: *See*—
Malle, William C.

Wilcox, H. F., Oil & Gas Company, Tulsa, Okla. Gasoline, crude oil, etc. 248,772, Oct. 30, 1928. Corrected. O. G. Jan. 3. Class 15.

Williamson, Birger E., doing business as Three Crown Productions, San Jose, Calif. Motion picture films. 519,424, Jan. 3; Serial No. 547,684, published Sept. 13, 1949. Class 26.

Wilson Mechanical Instrument Company, Inc., Bridgeport, Conn. Test blocks. 519,499, Jan. 3; Serial No. 565,519, published Sept. 13, 1949. Class 26.

Winarick, Arthur, Bronx, N. Y. Astringents, astringent cerates, bleach creams, beauty creams, etc. 238,246, Jan. 31, 1928. Republished Jan. 3. Classes 18, 51 and 52.

Wolverine Shoe & Tanning Corporation, Rockford, Mich. Men's work shoes. 519,453, Jan. 3; Serial No. 554,541, published Sept. 13, 1949. Class 39.

Wright's Underwear Corporation, doing business as Glastenbury Knitting Co., New York, N. Y. Men's, women's and children's knitted underwear. 519,394, Jan. 3; Serial No. 530,791, published Sept. 27, 1949. Class 39.

Wrigley, Wm., Jr., Company, by Wm. Wrigley Jr. Company, Chicago, Ill. Chewing gum. 232,499, Sept. 13, 1927. Republished Jan. 3. Class 46.

Zapon Company, The, Wilmington, Del., to Textileather Corporation, Toledo, Ohio. Pyroxylin, rubber, or otherwise coated fabrics. 262,498, renewed Oct. 15, 1949. O. G. Jan. 3. Class 50.

Zylite Optical Co. Inc., New York, N. Y. Spectacle frames. 519,505, Jan. 3; Serial No. 566,908, published Sept. 13, 1949. Class 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Applicators, Cosmetic. Gulf & West Indies Co., Inc. 519,508, Jan. 3; Serial No. 468,199.

Coal. Castner, Curran & Bullitt. 76,709, re-renewed Feb. 8, 1950. O. G. Jan. 3.

Latex compositions. The Naugatuck Chemical Company. 263,897, renewed Nov. 12, 1949. O. G. Jan. 3.

CLASS 2

Bags. Chase Bag Co. 114,944, Jan. 16, 1917. Republished Jan. 3.

Bags for packaging textile articles. Cellu-Craft Products Company. 519,512, Jan. 3; Serial No. 504,432.

Cans, Metal. Continental Can Co. 76,433, Jan. 18, 1910. Republished Jan. 3.

Dishes of paper or fibre. The Diamond Match Company. 271,456, June 3, 1930. Republished Jan. 3.

Dishes of paper or fibre. The Diamond Match Company. 284,001, June 9, 1931. Republished Jan. 3.

Plates and dishes. Standard Pulp Products Co., Inc. 311,841, Apr. 10, 1934. Republished Jan. 3.

CLASS 3

Bill folds, cardcases, hand bags, etc. Louis F. Dow Co. 265,407, renewed Dec. 24, 1949. O. G. Jan. 3.

Boxes, Men's leather hat, and women's leather hand bags. Knox Hat Company, Inc. 278,084, Dec. 2, 1930. Republished Jan. 3.

Boxes, Men's leather hat, and women's leather handbags. Knox Hat Company, Inc. 278,598, Dec. 23, 1930. Republished Jan. 3.

Handbags, and pocketbooks, Ladies' and children's. Ganson Manufacturing Company. 519,535, Jan. 3; Serial No. 553,097.

Horseshoes. The Victory Racing Plate Company. 268,670, renewed Mar. 18, 1950. O. G. Jan. 3.

CLASS 4

Preparations for cleansing, polishing, etc. Thermocor Products, Inc. 502,955, Oct. 12, 1948. Canceled Nov. 18, 1949. O. G. Jan. 3.

Soap. S. A. Halaby. 411,533, Jan. 23, 1945. Canceled May 13, 1949. O. G. Jan. 3.

CLASS 5

Adhesives. The Naugatuck Chemical Company. 264,339, renewed Nov. 26, 1949. O. G. Jan. 3.

CLASS 6

Dentifrice, Liquid. Stanley Home Products, Inc. 431,786, Aug. 5, 1947. Canceled Oct. 20, 1949. O. G. Jan. 3.

Disinfectant, germicide, and deodorant. U. S. Sanitary Specialties Corporation. 236,417, Dec. 13, 1927. Republished Jan. 3.

Multi-hormone preparation. Thompson Horticultural Chemicals Corp. 429,513, Apr. 29, 1947. Canceled Nov. 10, 1949. O. G. Jan. 3.

Perfume, cologne, etc. Dermetics, Inc. 437,548, Mar. 30, 1948. Canceled Nov. 15, 1949. O. G. Jan. 3.

Preparation with disinfectant, deodorant, etc. Stanley Home Products, Inc. 433,539, Oct. 14, 1947. Canceled Nov. 7, 1949. O. G. Jan. 3.

Skin cream, All purpose. Stanley Home Products, Inc. 431,797, Aug. 5, 1947. Canceled Oct. 20, 1949. O. G. Jan. 3.

CLASS 8

Lighters, Pyrophoric cigar. Brown & Bigelow. 255,667, renewed Jan. 28, 1950. O. G. Jan. 3.

CLASS 9

Fuses, Powder train. Coast Manufacturing & Supply Company. 74,544, July 20, 1909. Republished Jan. 3.

Matches. The Diamond Match Company. 253,402, Feb. 26, 1929. Republished Jan. 3.

CLASS 10

Fertilizer. Baugh and Sons Company. 265,063, Dec. 17, 1929. Republished Jan. 3.

CLASS 11

Inks, Writing, printing, and drawing. Thomas De La Rue & Company Limited. 73,857, re-renewed May 25, 1949. O. G. Jan. 3.

Metal powder and metal paste, both used for making inks. Atlantic Powdered Metals, Inc. 519,516, Jan. 3; Serial No. 521,313.

CLASS 13

Chains. Columbus McKinnon Chain Company. 257,238, renewed June 4, 1949. O. G. Jan. 3.

Couplers, Hose. C. B. Hunt & Son. 196,675, Mar. 24, 1925. Republished Jan. 3.

Nut locks and spring washers. The Reliance Manufacturing Company. 267,010, renewed Feb. 11, 1950. O. G. Jan. 3.

CLASS 14

Pig iron, ferro alloys, and steel. Hickman, Williams & Company. 267,390, renewed Feb. 18, 1950. O. G. Jan. 3.

Steel, Air-hardening die. Halcomb Steel Company. 267,204, renewed Feb. 18, 1950. O. G. Jan. 3.

Steel, Air-hardening tool. Crucible Steel Company of America. 266,847, renewed Feb. 4, 1950. O. G. Jan. 3.

CLASS 15

Gasoline, crude oil, etc. H. F. Wilcox Oil & Gas Company. 248,772, Oct. 30, 1928. Corrected. O. G. Jan. 3.

CLASS 16

Finishes, Floor. The Arto Manufacturing Company, Inc. 519,509, Jan. 3; Serial No. 501,230.

Lacquers, paint enamels, ready-mixed paint, etc. The Clinton Company. 258,159, renewed June 25, 1949. O. G. Jan. 3.

Paints, Artists', artists' colors, and artists' pigments. B. K. Elliott Company. 265,423, renewed Dec. 24, 1949. O. G. Jan. 3.

Paints, Paste and ready-mixed, paint enamels, etc. Ford Motor Company. 266,822, renewed Feb. 4, 1950. O. G. Jan. 3.

Paints; varnishes; lacquers; etc. The Sherwin Williams Company. 519,400, Jan. 3; Serial No. 533,509, published July 19, 1949.

Undercoater and primer, Glyptal resin. E. I. du Pont de Nemours and Company. 259,645, Aug. 6, 1929. Republished Jan. 3.

CLASS 18

Astringents, astringent cerates, bleach creams, beauty creams, etc. A. Winarick. 238,246, Jan. 31, 1928. Republished Jan. 3.

Base for medicaments, Greaseless. Burroughs Wellcome & Co. (U. S. A.) Inc. 519,515, Jan. 3; Serial No. 515,695.

Chewing gum containing aspirin. W. C. Nalle. 266,349, renewed Jan. 14, 1950. O. G. Jan. 3.

Medicinal preparations. J. M. Hogan. 230,663, Aug. 2, 1927. Republished Jan. 3.

Vitamin capsules. American Stores Company. 417,504, Oct. 30, 1945. Republished Jan. 3.

CLASS 19

Aeroplanes, seaplanes, hydroplanes, etc. A. V. Roe & Company Limited. 264,212, Nov. 19, 1929. Canceled Nov. 15, 1949. O. G. Jan. 3.

Airplanes and airplane parts. I. Sikorsky. 263,128, Oct. 29, 1929. Republished Jan. 3.

Airplanes and structural parts thereof. Consolidated Vultee Aircraft Corporation. 502,951, Oct. 12, 1948. Canceled Sept. 12, 1949. O. G. Jan. 3.

Carriages, Baby. J. A. Mahr. 304,319, Jan. 24, 1939. Republished Jan. 3.

CLASS 20

Coverings, Felt base floor. Mannington Mills, Inc. 519,391, Jan. 3; Serial No. 524,141, published Aug. 9, 1949.
Linoleum and felt base, floor and wall coverings, etc. Armstrong Cork Company. 519,429, Jan. 3; Serial No. 549,218, published Sept. 20, 1949.
Linoleum rugs, Felt base, plain and inlaid linoleum, linoleum rug borders, etc. The Cassina and Fearn Company. 519,442, Jan. 3; Serial No. 553,171, published Sept. 20, 1949.
Rugs, Felt-base floor. Goldenberg's. 233,303, Sept. 27, 1927. Republished Jan. 3.

CLASS 21

Batteries, Storage. Price Battery Corporation. 370,837, Sept. 5, 1939. Canceled Nov. 10, 1949. O. G. Jan. 3.
Cleaners and parts and accessories thereof, Electrical suction. Air-way Electric Appliance Corporation. 438,510, Oct. 14, 1947. Republished Jan. 3.

CLASS 22

Fishhooks. O. Mustad & Son. 264,146, renewed Nov. 19, 1949. O. G. Jan. 3.

CLASS 23

Accessories, Automobile. The Dalton Foundries, Inc. 519,455, Jan. 3; Serial No. 555,254, published Sept. 13, 1949.
Bearings, Oil film. The Sandy Hill Iron & Brass Works. 519,463, Jan. 3; Serial No. 556,701, published Sept. 20, 1949.
Blades, Safety razor. Eversharp, Inc. 519,480, Jan. 3; Serial No. 558,381, published Sept. 13, 1949.
Blocks, Pressure, molds, vulcanizers, etc. Inland Rubber Corporation. 519,396, Jan. 3; Serial No. 531,597, published Sept. 20, 1949.
Conveyors, Pneumatic, and conveying system. United Conveyor Corporation. 267,072–3, renewed Feb. 11, 1950. O. G. Jan. 3.
Cultivators and tractors. Mechanised Horticultural Implements Limited. 519,445, Jan. 3; Serial No. 553,500, published Sept. 6, 1949.
Cutters, Casing, blowout preventers, well packers, etc. Cameron Iron Works. 519,393, Jan. 3; Serial No. 529,353, published Sept. 13, 1949.
Distributors, Insecticide. Eureka Vacuum Cleaner Company. 262,329, Oct. 8, 1929. Corrected. O. G. Jan. 3.
Drilling equipment, Oil field. Bethlehem Supply Company. 519,464, Jan. 3; Serial No. 556,762, published Sept. 27, 1949.
Duplicating machines and stencil cleaning machines. A. B. Dick Company. 519,484, Jan. 3; Serial No. 559,586, published Sept. 20, 1949.
Dynamo-precipitator or hydro-static type of dust collectors. The Day Company. 519,520, Jan. 3; Serial No. 530,174.
Engines and parts thereof, Internal combustion. Atlas Imperial Diesel Engine Co. 519,412, Jan. 3; Serial No. 542,744, published Sept. 20, 1949.
Lathes, Metal working, and wire-winding machines. The Sidney Machine Tool Company. 519,432, Jan. 3; Serial No. 549,577, published Sept. 20, 1949.
Lathes, shapers, milling machines and centering machines. The Hendey Machine Company. 519,497, Jan. 3; Serial No. 563,999, published Sept. 27, 1949.
Machines and parts thereof. Burns, Jabez, & Sons, Inc. 519,404, Jan. 3; Serial No. 538,144, published Sept. 27, 1949.
Mill machinery, Industrial vegetable oil. Buckeye Iron & Brass Works. 519,416, Jan. 3; Serial No. 544,049, published Sept. 27, 1949.
Openers, Can. C. Gutekunst. 519,457, Jan. 3; Serial No. 555,609, published Sept. 20, 1949.
Presses, Brick, pulp presses and automatic jointer feeders. Jackson & Church Company. 519,435, Jan. 3; Serial No. 550,236, published Sept. 27, 1949.
Presses, Power, die sets, tool maker supplies, etc. Danly Machine Specialties, Inc. 519,406, Jan. 3; Serial No. 539,857, published Sept. 6, 1949.
Presses, Printing, and sheet feeders. American Type Foundries, Incorporated. 519,411, Jan. 3; Serial No. 542,730, published Sept. 13, 1949.
Pumps, Deep well; steam pumping engines; deep well power heads; etc. A. D. Cook, Incorporated. 519,389, Jan. 3; Serial No. 522,047, published Sept. 13, 1949.
Screwdrivers. Conn & Neeley. 519,510, Jan. 3; Serial No. 502,607.
Screw drivers. Vaco Products Company. 519,414, Jan. 3; Serial No. 542,800, published Sept. 20, 1949.
Section-beams, section-beam heads, loom-beams, etc. Allen Company. 519,407, Jan. 3; Serial No. 540,135, published Sept. 6, 1949.
Sewing machines. General Utilities Distributors, Inc. 519,388, Jan. 3; Serial No. 516,686, published Sept. 6, 1949.
Sewing machines. Jordan Marsh Company. 234,841, Nov. 8, 1927. Republished Jan. 3.
Stapling machines. Hotchkiss Realty Corporation. 519,410, Jan. 3; Serial No. 542,472, published Sept. 20, 1949.
Tools, Conduit bending. The Thomas & Betts Co. 519,422, Jan. 3; Serial No. 547,054, published Sept. 20, 1949.
Tools, Cutting. Gay-Lee Company. 519,519, Jan. 3; Serial No. 529,976.
Tools, Garden. Cal Management Company, Inc. 443,655, Jan. 3; Serial No. 506,005, published Sept. 6, 1949.
Tractors, Garden. F. J. Etem. 519,513, Jan. 3; Serial No. 511,271.

CLASS 24

Clothespins. The Diamond Match Company. 270,579–80, May 8, 1930. Republished Jan. 3.
Wringer rolls. Appliance Parts Company. 519,514, Jan. 3; Serial No. 512,311.

CLASS 25

Locks. Adams Rite Manufacturing Company. 519,539, Jan. 3; Serial No. 558,094.
Locks and lock systems. Larmloc Corporation. 519,434, Jan. 3; Serial No. 550,155, published Sept. 27, 1949.

CLASS 26

Blood counting and testing apparatus. E. L. Rowland, Jr. 519,466, Jan. 3; Serial No. 556,919, published Sept. 13, 1949.
Cameras, Motion picture, motion picture projectors, etc. Bell & Howell Company. 519,415, Jan. 3; Serial No. 543,678, published Sept. 13, 1949.
Cups, Coffee measuring. Cory Corporation. 519,503, Jan. 3; Serial No. 566,692, published Sept. 13, 1949.
Films, Motion-picture. Technicolor Motion Picture Corporation. 267,288, renewed Feb. 18, 1950. O. G. Jan. 3.
Films, Motion picture. B. E. Williamson. 519,424, Jan. 3; Serial No. 547,684, published Sept. 13, 1949.
Films, Photographic, and sensitized photographic papers. Diebold, Incorporated. 519,498, Jan. 3; Serial No. 564,101, published Sept. 13, 1949.
Frames, Spectacle. Zylite Optical Co. Inc. 519,505, Jan. 3; Serial No. 566,908, published Sept. 13, 1949.
Instrument for measuring the temperature, velocity and other conditions of air and gases. Anemostat Corporation of America. 519,506, Jan. 3; Serial No. 566,964, published Sept. 13, 1949.
Lenses, Spectacle. Bausch & Lomb Optical Company. 519,502, Jan. 3; Serial No. 566,088, published Sept. 13, 1949.
Package containing a set of scaled components for architectural models. Plan-O-Blocks, Inc. 519,532, Jan. 3; Serial No. 548,015.
Spectacles, spectacle frames and ophthalmic lenses. The White-Haines Optical Company. 519,525, Jan. 3; Serial No. 535,917.
Test blocks. Wilson Mechanical Instrument Company, Inc. 519,499, Jan. 3; Serial No. 565,519, published Sept. 13, 1949.
Testing equipment, Hydraulic. Aircraft & Diesel Equipment Corporation. 519,501, Jan. 3; Serial No. 566,682, published Sept. 13, 1949.
Transmitter, Force measuring. The Hayn Corporation. 519,495, Jan. 3; Serial No. 563,116, published Sept. 13, 1949.

CLASS 27

Watches, watch cases, watch parts, etc. Invicta-Seeland, Inc. 389,766, Aug. 19, 1941. Republished Jan. 3.
Watches, Wrist or strap. Bulova Watch Company, Inc. 241,715, May 8, 1928. Republished Jan. 3.

CLASS 28

Forks, spoons, sugar-tongs, ladles, etc. Barker Bros. Silversmiths Ltd. 136,749, Nov. 9, 1920. Republished Jan. 3.

CLASS 29

Brooms and mops. W. J. Lorens. 519,522, Jan. 3; Serial No. 533,234.

CLASS 32

Mattresses. R. C. Heller Co., Inc. 263,732, Nov. 12, 1929. Republished Jan. 3.

CLASS 33

Bottles, Empty glass. Stanco Incorporated. 265,526, renewed Dec. 31, 1949. O. G. Jan. 3.

CLASS 34

Boilers and heaters. American Radiator Company. 75,777, re-renewed Nov. 16, 1949. O. G. Jan. 3.

CLASS 35

Hose. New York Belting and Packing Company, Limited. 75,707, re-renewed Nov. 2, 1949. O. G. Jan. 3.
Hose, Rubber. Peerless Rubber Manufacturing Company. 76,258, re-renewed Dec. 28, 1949. O. G. Jan. 3.

CLASS 36

Records, Sound. National Broadcasting Company, Inc. 348,710, Aug. 3, 1937. Canceled Nov. 3, 1949. O. G. Jan. 3.

CLASS 37

Napkins, Paper. Independent Paper Mills, Inc. 245,176, Aug. 7, 1928. Republished Jan. 3.
Paper, Waxed wrapping, and waxed paper. The Warren Manufacturing Company. 247,157, Sept. 18, 1928. Republished Jan. 3.
Paper, Writing and printing, mailing envelopes, etc. Old Colony Envelope Company. 291,668, Feb. 23, 1932. Republished Jan. 3.
Pencils, Mechanical, and fountain pens. The Almo Sales Corporation. 519,403, Jan. 3; Serial No. 537,779, published Jan. 18, 1949.
Pencils, memo books, printed score cards, etc. Louis F. Dow Co. 266,665, renewed Jan. 28, 1950. O. G. Jan. 3.
Pens, Reservoir and fountain, and other writing-pens, rulers, etc. Thomas De La Rue & Company Limited. 74,488, re-renewed July 13, 1949. O. G. Jan. 3.
Tissues, Cleansing. Veldown Company, Inc. 341,725, Dec. 22, 1936. Republished Jan. 3.
Tissues, Facial. The Sterilek Company, Inc. 325,361, June 18, 1935. Republished Jan. 3.
Tissues, Facial. The Sterilek Company, Inc. 340,301, Nov. 8, 1936. Republished Jan. 3.
Tissues, Facial. The Sterilek Co. Inc. 385,169, Feb. 18, 1941. Republished Jan. 3.

CLASS 38

Magazines. Fawcett Publications, Inc. 268,108, renewed Mar. 11, 1950. O. G. Jan. 3.
Magazine, Monthly. Barber-Hall Printing Company. 253,386, renewed Feb. 26, 1949. O. G. Jan. 3.
Publication. Harnischfeger Corporation. 234,934, Nov. 8, 1927. Republished Jan. 3.
Publication, Periodical. Guenther Publishing Corporation. 262,520, renewed Oct. 15, 1949. O. G. Jan. 3.
Publication, Weekly. Gulf Publishing Company. 264,593, renewed Nov. 26, 1949. O. G. Jan. 3.
Tags, Printed advertising, printed shipping tags, printed marking tags, etc. The Denney Tag Company. 232,931, Sept. 20, 1927. Republished Jan. 3.

CLASS 39

Bathing suits, play clothes, sun dresses, Ladies', etc. Abrams & Mann, Inc. 519,454, Jan. 3; Serial No. 555,138, published Sept. 27, 1949.
Belts for men, Leather garment. Krasnow Belt Co., Inc. 519,418, Jan. 3; Serial No. 544,880, published Sept. 13, 1949.
Belts for wearing apparel. The Picture Belt Company. 519,496, Jan. 3; Serial No. 563,534, published Sept. 20, 1949.
Brassières. Formaid Co. 519,538, Jan. 3; Serial No. 557,125.
Brassières. Nusan Brassiere Co., Inc. 519,529, Jan. 3; Serial No. 542,482.
Brassières, girdles, and corsettes. The H & W Company. 519,521, Jan. 3; Serial No. 531,911.
Caps, hats, shoes, gloves, Men's, women's, misses', and children's, etc. William Skinner & Sons. 519,428, Jan. 3; Serial No. 548,539, published Sept. 20, 1949.
Clothing for men and boys, Western style. Dickson-Jenkins Manufacturing Company. 519,423, Jan. 3; Serial No. 547,242, published Sept. 20, 1949.
Clothing, Men's and boys' sport and athletic. Sport Products, Inc. 519,395, Jan. 3; Serial No. 530,980, published Sept. 27, 1949.
Clothing, Men's and women's. M. Jackman & Sons, Inc. 519,531. Jan. 3; Serial No. 546,997.
Clothing, Men's, women's, and boys' work. Peerless Shirt & Overall Mfg. Co. 519,458, Jan. 3; Serial No. 555,839, published Sept. 27, 1949.
Clothing, Work. Portland Glove Company. 519,387, Jan. 3; Serial No. 512,285, published Sept. 27, 1949.
Coats and jackets, Men's, women's, and children's waterproof and water repellent. Kalfin-Fleischmann, Inc. 519,441, Jan. 3; Serial No. 552,982, published Sept. 27, 1949.
Coats, Men's. D. B. Rosenblatt, Incorporated. 519,546, Jan. 3; Serial No. 562,502.
Coats, pants, vests, and suits for formal wear, Boys', youths', and men's. S. Rudofker's Sons, Inc. 519,448–50, Jan. 3; Serial Nos. 554,164–6, published Sept. 27, 1949.
Corsets, corselets, girdles, etc. Vanity Corset Company, Inc. 519,500, Jan. 3; Serial No. 565,666, published Sept. 27, 1949.
Corsets, Women's. The Strouse, Adler Company. 519,537, Jan. 3; Serial No. 557,085.
Earmuffs. Feder Industries, Inc. 519,426, Jan. 3; Serial No. 548,248, published Sept. 20, 1949.
Footholds made of rubber. United States Rubber Company. 264,383, renewed Nov. 26, 1949. O. G. Jan. 3.
Gloves and mittens. The Coshocton Glove Co. 273,984, Aug. 19, 1930. Republished Jan. 3.
Gloves, Fabric work. Good Luck Glove Company. 519,392, Jan. 3; Serial No. 529,022, published Sept. 20, 1949.
Gloves, Leather. Alexette Glove Corporation. 519,544, Jan. 3; Serial No. 561,066.
Hair nets. New York Merchandise Co., Inc. 519,543, Jan. 3; Serial No. 560,723.
Hats, Women's and misses'. Marshall Field & Company. 519,399, Jan. 3; Serial No. 533,225, published Sept. 13, 1949.
Hose, Men's cotton half, and men's wool half hose. Burlington Mills Corporation. 519,409, Jan. 3; Serial No. 541,079, published Sept. 13, 1949.
Hosiery. Barbara Jean Hosiery Company. 519,427, Jan. 3; Serial No. 548,264, published Sept. 27, 1949.
Hosiery. Burson Knitting Company. 519,401, Jan. 3; Serial No. 535,126, published Sept. 13, 1949.
Hosiery. John L. Fead & Sons. 519,433, Jan. 3; Serial No. 550,133, published Sept. 13, 1949.
Hosiery. Florentine Hosiery Mills. 519,482, Jan. 3; Serial No. 559,015, published Sept. 13, 1949.
Hosiery. Gotham Hosiery Company, Inc. 443,556, Jan. 3; Serial No. 517,308, published Sept. 27, 1949.
Hosiery. Jolibar Hosiery Co. 519,425, Jan. 3; Serial No. 547,998, published Sept. 27, 1949.
Hosiery. Julius Kayser & Co. 519,438–9, Jan. 3; Serial Nos. 551,566–7, published Sept. 27, 1949.
Hosiery. M. K. M. Hosiery Mills, Inc. 519,421, Jan. 3; Serial No. 547,016, published Sept. 13, 1949.
Hosiery. Murphy, Brill & Sahner, Inc. 519,451–2, Jan. 3; Serial Nos. 554,392–3, published Sept. 27, 1949.
Hosiery. Pilot Full Fashion Mills, Inc. 519,475, Jan. 3; Serial No. 557,776, published Sept. 13, 1949.
Hosiery. Chester H. Roth Co., Inc. 519,440, Jan. 3; Serial No. 552,083, published Sept. 27, 1949.
Hosiery. Chester H. Roth Co., Inc. 519,446–7, Jan. 3; Serial Nos. 553,749–50, published Sept. 27, 1949.
Hosiery. Sapphire Hosiery Corporation. 519,477, Jan. 3; Serial No. 558,171, published Sept. 13, 1949.
Hosiery. J. A. Struthers. 113,453, Oct. 17, 1916. Republished Jan. 3.
Hosiery and knitted and textile underwear, Ladies', men's, and children's. The Primfit Textile Company, Inc. 268,490, renewed Mar. 18, 1950. O. G. Jan. 3.
Hosiery, Ladies'. O. Gruner. 519,489, Jan. 3; Serial No. 560,883, published Sept. 27, 1949.
Hosiery, Ladies'. Lynchburg Hosiery Mills, Inc. 519,467, Jan. 3; Serial No. 557,054, published Sept. 13, 1949.
Hosiery, Women's. Irma Hosiery Company. 519,488, Jan. 3; Serial No. 560,472, published Sept. 20, 1949.
Hosiery, Women's. Largman Gray Company. 519,492, Jan. 3; Serial No. 561,247, published Sept. 27, 1949.
Hosiery; women's and children's night-gowns, pajamas, bath robes, etc. H. Kaye. 263,103, renewed Oct. 29, 1949. O. G. Jan. 3.
Insolee, Shoe. U. S. Foot Appliance Corporation. 519,468, Jan. 3; Serial No. 557,004, published Sept. 13, 1949.
Jackets, and coats, Men's, women's and children's. California Sportwear Company. 519,437, Jan. 3; Serial No. 551,092, published Sept. 27, 1949.
Jackets, Poplin, and wool jackets. W. Shanhouse Sons, Inc. 519,460–1, Jan. 3; Serial Nos. 556,144–5, published Sept. 13, 1949.
Neckties. Stern, Merrit Co. Inc. 519,413, Jan. 3; Serial No. 542,795, published Sept. 20, 1949.
Overalls; service coats; coversuits; etc. The Van Wert Manufacturing Co. 519,420, Jan. 3; Serial No. 546,252, published Sept. 13, 1949.
Pajamas, textile underwear, etc., Men's and boys'. Knothe Brothers Co. Inc. 262,280, renewed Oct. 1, 1949. O. G. Jan. 3.
Panties, Children's. I. A. Hessel. 443,658, Jan. 3; Serial No. 526,228, published Apr. 27, 1948.
Pants, Men's and boys'. Stag Clothes, Inc. 519,408, Jan. 3; Serial No. 540,931, published Sept. 20, 1949.
Play suits, bathing suits, blouses, shorts, Women's, etc. Cornibert, Inc. 519,469, Jan. 3; Serial No. 557,117, published Sept. 27, 1949.
Pockets, Detachable garment. A. Hjelm. 519,493, Jan. 3; Serial No. 562,188, published Sept. 20, 1949.
Raincoats. Hollandia Kattenburg, Incorporated. 519,485, Jan. 3; Serial No. 559,707, published Sept. 20, 1949.
Scarfs, dickeys, collars, and vestees, etc., Ladies' and misses'. Cornibert, Inc. 519,470, Jan. 3; Serial No. 557,118, published Sept. 27, 1949.
Shirts and pyjamas, Men's outer. Smith, Harris, Inc. 519,430, Jan. 3; Serial No. 549,296, published Sept. 20, 1949.
Shirts, Men's sport, and dress shirts. Rich Guild Shirt Company. 519,491, Jan. 3; Serial No. 561,142, published Sept. 27, 1949.
Shirts, Outer, under shorts for men, and handkerchiefs and neckties for men and boys. Cluett, Peabody & Co., Inc. 519,436, Jan. 3; Serial No. 550,668, published Sept. 13, 1949.
Shirts, work shirts, collars, etc., Men's dress. Marlboro Shirt Company, Inc. 263,450, renewed Nov. 5, 1949. O. G. Jan. 3.
Shoes. C. M. Adams. 512,304, July 12, 1949. Corrected. O. G. Jan. 3.
Shoes. The Beacon Falls Rubber Shoe Company. 263,101, renewed Oct. 29, 1949. O. G. Jan. 3.
Shoes. Hallowell Shoe Company. 519,478, Jan. 3; Serial No. 558,298, published Sept. 27, 1949.
Shoes. L. D. Keehn. 519,384, Jan. 3; Serial No. 490,887, published Sept. 27, 1949.
Shoes. Mercantile Stores Company, Inc. 519,481, Jan. 3; Serial No. 558,400, published Sept. 27, 1949.
Shoes. Rice-O'Neill Shoe Company. 519,385, Jan. 3; Serial No. 491,120, published Sept. 20, 1949.
Shoes and slippers, Men's, women's and children's. M. J. Markell. 519,431, Jan. 3, 1950; Serial No. 549,455, published Sept. 13, 1949.

Shoes, boots, slippers, etc., Men's, women's, and children's. Foot Form Shoe Shops, Inc. 267,444, renewed Feb. 18, 1950. O. G. Jan. 3.
Shoes, Bowling. Dodson-Fisher Company. 519,417, Jan. 3; Serial No. 544,066, published Sept. 20, 1949.
Shoes, Men's. French, Shriner & Urner Manufacturing Co. 519,474, Jan. 3; Serial No. 557,515, published Sept. 13, 1949.
Shoes, Men's work. Wolverine Shoe & Tanning Corporation. 519,453, Jan. 3; Serial No. 554,541, published Sept. 13, 1949.
Shoes, Women's, misses', and children's. Dayttmer Shoe Company. 519,473, Jan. 3; Serial No. 557,506, published Sept. 20, 1949.
Slacks and overalls, Boys'. Hortex Manufacturing Co., Inc. 519,494, Jan. 3; Serial No. 562,472, published Sept. 20, 1949.
Slippers, Ladies', men's, misses' and childrens'. Knight Slipper Mfg. Corp. 519,456, Jan. 3; Serial No. 555,607, published Sept. 20, 1949.
Slips and petticoats. C. Schuster. 519,504, Jan. 3; Serial No. 566,809, published Sept. 27, 1949.
Slips, nightgowns, camisoles, Ladies' and misses', etc. S. Cohen & Co. Inc. 519,462, Jan. 3; Serial No. 556,318, published Sept. 13, 1949.
Soles and heels. Gro-Cord Rubber Company. 519,476, Jan. 3; Serial No. 557,980, published Sept. 13, 1949.
Suits and overcoats, sport shirts, etc., Men's, women's, and children's. Lorraine Manufacturing Company. 519,390, Jan. 3; Serial No. 524,095, published Sept. 27, 1949.
Suits and top-coats and overcoats, Men's. Gately's Purchasing Department, Inc. 519,459, Jan. 3; Serial No. 556,006, published Sept. 20, 1949.
Suits, "Bobby," boys' wash suits, children's aprons, girls' dresses, etc. Milam Manufacturing Company. 383,142, Nov. 26, 1940. Republished Jan. 3.
Suits, Men's. Joseph Singer, Inc. 519,472, Jan. 3; Serial No. 557,472, published Sept. 13, 1949.
Suits, slacks, outer and under shirts, etc., Men's. Weber and Heilbroner, Inc. 519,433, Jan. 3; Serial No. 559,263, published Sept. 27, 1949.
Sweaters, sweat shirts, cardigans, etc., Men's women's, and children's. The Rivoli Mills, Incorporated. 519,397, Jan. 3; Serial No. 532,059, published Sept. 13, 1949.
Sweaters, sweat shirts, cardigans, etc., Men's, women's, and children's. The Rivoli Mills, Incorporated. 519,398, Jan. 3; Serial No. 532,634, published Sept. 13, 1949.
Ties, Bow. Friedman Bros. & Sons Neckwear Co., Inc. 519,518, Jan. 3; Serial No. 526,220.
Ties, Bow, neckties, sport, dress and negligee shirts, etc. S. Sherman. 519,487, Jan. 3; Serial No. 560,359, published Sept. 27, 1949.
Trench coats and top coats, Men's and women's. S. Abrahams & Co., Inc. 519,443-4, Jan. 3; Serial Nos. 553,232-3, published Sept. 20, 1949.
Trousers. Isadore Meyers & Sons. 519,386, Jan. 3; Serial No. 498,709, published Sept. 27, 1949.
Trousers and slacks, Men's, etc. Washougal Woolen Mills. 519,419, Jan. 3; Serial No. 545,803, published Sept. 27, 1949.
Undergarments. I. B. Kleinert Rubber Company, Inc. 443,657, Jan. 3; Serial No. 520,712, published Sept. 20, 1949.
Underwear and outer wear, Textile-fabric, etc. James Nelson, Limited. 262,423, Oct. 8, 1929. Republished Jan. 3.
Underwear, Men's, women's and children's knitted. Wright's Underwear Corporation. 519,394, Jan. 3; Serial No. 530,791, published Sept. 27, 1949.
Uniforms, Nurses'. The Associated Merchandising Corporation. 519,490, Jan. 3; Serial No. 560,958, published Sept. 13, 1949.
Union suits, pajamas, athletic shorts, Men's and boys', etc. Hunter Brothers Company, Inc. 519,486, Jan. 3; Serial No. 559,709, published Sept. 13, 1949.
Wearing apparel, Men's and boys' outer. Stix, Baer and Fuller Company. 267,624, renewed Feb. 25, 1950. O. G. Jan. 3.

CLASS 40

Dresser sets. Eisenstadt Manufacturing Company. 519,507, Jan. 3; Serial No. 568,782, published Sept. 13, 1949.

CLASS 41

Umbrellas. Polan, Kats & Co. 240,161, Mar. 20, 1928. Republished Jan. 3.

CLASS 42

Blankets. F. C. Huyck & Sons. 309,923, Feb. 6, 1934. Canceled Oct. 25, 1949. O. G. Jan. 3.
Cheesecloth, Bleached absorbent. The Nitroax Company, Inc. 334,933, May 19, 1936. Republished Jan. 3.
Crepe in the piece and in the bolt, Silk. Stix, Baer & Fuller Company. 238,990, Feb. 21, 1928. Republished Jan. 3.
Curtains, Window. Robertson Factories, Inc. 519,517, Jan. 3; Serial No. 522,457.
Ensembles, Bedroom. Millerton Manufacturing Company, Inc. 519,533, Jan. 3; Serial No. 548,981.
Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 519,528, Jan. 3; Serial No. 540,662.
Fabrics of rayon, cotton, wool, etc. B. Ehrenberg. 264,932, Dec. 10, 1929. Republished Jan. 3.
Fabrics, Textile. A. Theo. Abbott & Co. 264,390, renewed Nov. 26, 1949. O. G. Jan. 3.
Goods in the piece, Quilted. American Needlecrafts, Inc. 263,832, renewed Nov. 12, 1949. O. G. Jan. 3.
Piece goods. Tingue, Brown & Co. 261,714, renewed Sept. 24, 1949. O. G. Jan. 3.
Piece goods, Satin. Superior Petticoat Company. 341,575, Dec. 15, 1936. Canceled Nov. 28, 1949. O. G. Jan. 3.
Piece goods, Silk. Burlington Mills Corporation. 519,548, Jan. 3; Serial No. 563,507.
Sheets, Bed, pillowcases, sheetings, and muslins. Interstate Department Stores, Inc. 268,465, renewed Mar. 18, 1950. O. G. Jan. 3.

CLASS 44

Braces, Prepared bandage. R. Halyard. 519,541, Jan. 3; Serial No. 560,018.
Contactors, Permanent wave, and permanent wave supplies. Eugene, Ltd. 345,501, Apr. 27, 1937. Republished Jan. 3.
Hair dryers, Electric. Eugene, Ltd. 383,658, Dec. 17, 1940. Republished Jan. 3.
Heating pads, Electric. Pyrexon Ray Company Limited. 519,523, Jan. 3; Serial No. 533,822.
Surgical instruments. J. Sklar Manufacturing Co. 519,536, Jan. 3; Serial No. 555,088.
Toothpicks. The Diamond Match Company. 270,352, May 6, 1930. Republished Jan. 3.

CLASS 45

Syrup, Orange-flavored. The Mayborn Food Products Co. 519,540, Jan. 3; Serial No. 559,443.
Syrups for beverages and soda fountain use, Fruit. I. Lefkowitz & Sons, Inc. 237,287, Jan. 3, 1928. Republished Jan. 3.

CLASS 46

Baking powder. Standard Brands Incorporated. 268,699, renewed Mar. 18, 1950. O. G. Jan. 3.
Bouillon, Beef. International Products Corporation. 268,798, renewed Mar. 18, 1950. O. G. Jan. 3.
Bread. A. C. Hill. 299,838, Dec. 27, 1932. Republished Jan. 3.
Butter and powdered milk. Producers Creamery Company. 267,104, renewed Feb. 11, 1950. O. G. Jan. 3.
Canned fish. General Fisheries Corporation. 255,525, renewed Apr. 23, 1949. O. G. Jan. 3.
Canned fruit. H. G. Prince & Co. 266,641, renewed Jan. 28, 1950. O. G. Jan. 3.
Canned salmon. Union Fishermen's Co-Op. Pack'g Co. 75,886, re-renewed Nov. 23, 1949. O. G. Jan. 3.
Canned tomatoes and ground pepper. Reeves, Parvin & Co. 266,666, renewed Jan. 28, 1950. O. G. Jan. 3.
Canned tuna fish. Ranger Seafood, Inc. 519,545, Jan. 3; Serial No. 561,944.
Canned vegetables, fruit, and fish. Miner, Read & Garette. 74,144, re-renewed June 22, 1949. O. G. Jan. 3.
Chewing gum. American Chicle Company. 260,706, Aug. 27, 1929. Republished Jan. 3.
Chewing gum. Wm. Wrigley, Jr., Company. 232,499, Sept. 13, 1927. Republished Jan. 3.
Confectionery. Swizzels, Inc. 519,534, Jan. 3; Serial No. 550,755.
Confectionery, Frozen. The Popsicle Corporation of the United States. 289,751, Dec. 1, 1931. Canceled Dec. 8, 1949. O. G. Jan. 3.
Eggs. The Rhodes Ranch Egg Company. 266,067-8, Jan. 14, 1930. Republished Jan. 3.
Feed, Horse. St. Albans Grain Company. 247,332, Sept. 25, 1928. Republished Jan. 3.
Fish, Fresh, frozen, and smoked. Kolbe Fish Company. 204,061, Oct. 6, 1925, republished Jan. 3.
Flour. The Century Milling Co. 222,653, Jan. 4, 1927, republished Jan. 3.
Flour, Wheat. The Security Flour Mills Company. 246,670, Apr. 3, 1928, republished Jan. 3.
Food products. General Grocer Company. 519,405, Jan. 3; Serial No. 528,270, published Sept. 27, 1949.
Fruits, Fresh citrus. Holly Hill Fruit Products, Inc. 267,117, renewed Feb. 11, 1950. O. G. Jan. 3.
Fruits, Fresh citrus, orange marmalade, and orange juice. Holly Hill Fruit Products, Inc. 267,116, renewed Feb 11, 1950 O. G. Jan. 3.
Fruits, Fresh deciduous, fresh grapes, fresh citrus fruits. Mutual Orange Distributors. 238,607, Feb. 14, 1928. Republished Jan. 3.
Hams, sausages, frankfurters, etc. Menzel & Co. to Vita Food Products. 260,350, renewed Aug. 20, 1949. O. G. Jan. 3.
Jelly, May haw, strawberry preserves, pure guava jelly, etc. Gypsy Products Co., Inc. 262,207, renewed Oct. 1, 1940 O G. Jan. 3.
Milk, Ice. Foremost Dairies, Inc. 519,471, Jan. 3; Serial No. 557,449 published Aug. 16, 1949.
Olives. Mawer-Gulden-Annis, Inc. 519,402, Jan. 3; Serial No. 535,729, published Sept. 13, 1949.
Olives and maraschino cherries. Puritan Company of America. 519,479, Jan. 3; Serial No. 558,321, published Sept. 27, 1949.
Pears, Fresh. Root, Myron, and Company, Inc. 359,694, Aug. 30, 1938. Republished Jan. 3.

Pecans, Shelled and unshelled. William H. Robinson. 262,221, renewed Oct. 1, 1949. O. G. Jan. 3.
Potato chips. National Peanut Corporation. 519,465, Jan. 3; Serial No. 556,906, published Sept. 27, 1949.
Rice. Rice Growers Association of California. 375,077, Feb. 6, 1940. Republished Jan. 3.

CLASS 48

Beer. Peter Bub Brewery, Inc. 519,547, Jan. 3; Serial No. 562,803.
Beer. Frederick's Brewing Co. 519,527, Jan. 3; Serial No. 540,184.
Beer. Piel Bros. 519,542, Jan. 3; Serial No. 560,349.

CLASS 49

Blend of brandy and rum. Tonkin Distributing Co. 337,489, Aug. 11, 1936. Republished Jan. 3.
Cognac. Vintage Wines, Inc. 519,526, Jan. 3; Serial No. 538,685.
Cordials. Dr. J. G. B. Siegert and Hijos. 75,717, renewed Nov. 9, 1949. O. G. Jan. 3.

CLASS 50

Fabrics, Pyroxylin, rubber, or otherwise coated. The Zapon Company. 262,498, renewed Oct. 15, 1949. O. G. Jan. 3.
Leather. Artificial. Stedfast Rubber Company. 262,504, renewed Oct. 15. 1949. O. G. Jan. 3.

CLASS 51

Astringents, astringent cerates, bleach creams, beauty creams, etc. Arthur Winarick. 238,246, Jan. 31, 1928. Republished Jan. 3.
Eau de cologne, bath salt, perfumery, etc. Ferd. Mulhens, Inc. 260,914, renewed Sept. 3, 1949. O. G. Jan. 3.
Face and talcum powders, rouge, lip stick, face creams, etc. Joubert Cie, Inc. 263,019, Oct. 29, 1929. Republished Jan. 3.
Hair dressing preparation. The Boyd Manufacturing Company, Inc. 417,062, Oct. 16, 1945. Republished Jan. 3.
Lipstick. Lady Esther, Ltd. 519,524, Jan. 3; Serial No. 533,865.
Make-up. Tinted face. Revlon Products Corporation. 519,549, Jan 3; Serial No. 565,300.
Solutions. Permanent waving. Eugene, Ltd. 345,734, May 14, 1937. Republished Jan. 3.

CLASS 52

Astringents, astringent cerates, bleach creams, beauty creams, etc. Arthur Winarick. 238,246, Jan. 31, 1928. Republished Jan. 3.
Chemical preparation for cleaning and preparing metal surfaces to receive paint. Nelson Chemical Company. 519,511, Jan. 3; Serial No. 504,202.
Cleaner for cleaning fabrics. Dry. San-I-Sal Laboratories, Inc. 266,649, renewed Jan. 28, 1950. O. G. Jan. 3.
Cleaning fluid. Bell Chemical Co. 519,530, Jan. 3; Serial No. 545,331.
Cleaning preparation, Liquid. Leo Heineman. 231,003, Aug. 9, 1927. Republished Jan. 3.
Soaps, Toilet and bath, and soaps in flake form. Swift and Company. 443,654, Jan. 3; Serial No. 477,751, published Mar. 20, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JANUARY, 1950

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Mead, William H., Oakland, Calif. Surface treating method and apparatus. Re. 23,186, Jan. 3.

LIST OF PLANT PATENTEES

Meilland, Francis, Cap Azura, Cap d'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 911, Jan. 3.

Conard-Pyle Company, The, assignee: *See*— Meilland, Francis.

LIST OF DESIGN PATENTEES

Abbott Laboratories, assignee: *See*— Fields, Mack R.

Acme Laces, Inc., assignee: *See*— Woodhouse, William H.

Adams, Jack W., Los Angeles, Calif. Radio symbol guide. 156,686, Jan. 3.

Alfab Manufacturing Company, assignee: *See*— Omo, Frank J.

Allen, Robert Y., Pacific Palisades, and M. Shaw, Beverly Hills, Calif., assignors to National Broadcasting Company, Inc. Puppet. 156,687, Jan. 3.

Allesee, Marvin E., assignor to Dormeyer Corporation, Chicago, Ill. Supporting stand for motor-driven food appliances or similar articles. 156,688, Jan. 3.

Alto, George: *See*— Hofer, Hans, Alto and Dix.

Animal Trap Company of America, assignee: *See*— Sakier, George.

Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Floor polisher. 156,689, Jan. 3.

Ballou, B. A., & Co. Incorporated, assignee: *See*— Moulson, Frederick W.

Barber-Colman Company, assignee: *See*— Kennedy, Walter W. Quin, Murray L.

Barton, Ruth M., San Francisco, Calif. Compact. 156,690, Jan. 3.

Belmont, Edgar, Port Chester, N. Y. Combination chair and costumer. 156,691, Jan. 3.

Benjamin, Harry S., Detroit, and H. R. De Harte, Farmington, assignors to The Leading Engine Company, Detroit, Mich. Engine crankcase. 156,692, Jan. 3.

Benninghofen, Paul, trustee, assignee: *See*— Katz, Russell S.

Bergal, Geo., assignor to Stores Publishing Co. Inc., New York, N. Y. Magazine rack. 156,693, Jan. 3.

Boyajian, Alfred Z., Farmingdale, N. Y., J. Gitz, North Wales, Pa., and P. H. Spencer, Ft. Lauderdale, Fla., assignors to Republic Aviation Corporation, Farmingdale, N. Y. Amphibian aircraft. 156,694, Jan. 3.

Brafman, Max E., New York, N. Y. Combination chair and desk, or similar article. 156,695, Jan. 3.

Bristol, Charles W., North Attleboro, Mass., assignor, by mesne assignments, to Reibling-Lewis, Inc., Providence, R. I. Comb or similar article. 156,696, Jan. 3.

Buehler, Elmer W.: *See*— Buehler, Lothar T. and E. W.

Buehler, Lothar T. and E. W., Milwaukee, Wis. Infant's attachable chair. 156,697, Jan. 3.

Chatillon, John, & Sons, assignee: *See*— Concklin, George W.

Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior wall panel. 156,698, Jan. 3.

Clarke Sanding Machine Company, assignee: *See*— Atkin, Kenneth C.

Cochrane, Philip H.: *See*— Cochrane, William J. and P. H.

Cochrane, William J., Wyndmoor, and P. H. Cochrane, Philadelphia, Pa. Child's wardrobe. 156,699, Jan. 3.

Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 156,700, Jan. 3.

Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Shopping cart or similar article. 156,701, Jan. 3.

Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Shopping cart or similar article. 156,702, Jan. 3.

Coro, Inc., assignee: *See*— Katz, Adolph.

Croft, William T., Long Beach, and W. G. Goodale, Los Angeles, Calif. Siphon. 156,703, Jan. 3.

Culley, Ralph H., Rochester, N. Y. Sink. 156,704, Jan. 3.

Danzig, Selig M., New York, and G. Skolnik, Brooklyn, N. Y. Combined earring clasp and ornament attachment device. 156,705, Jan. 3.

Darwin, Elizabeth, Los Angeles, Calif. Slip-type undergarment. 156,706, Jan. 3.

De Harte, Hallison R.: *See*— Benjamin, Harry S., and De Harte.

Delacroix, Norbert, Lyons, France. Electric coffee percolator or other similar article. 156,707, Jan. 3.

Diesbach, Eleanor C., trustee, assignee: *See*— Katz, Russell S.

Dix, Robert: *See*— Hofer, Hans, Alto, and Dix.

Domann, John A.: *See*— Domann, John L. and John A.

Domann, John L., and J. A. Domann, South Gate, Calif. Fender ornament. 156,708, Jan. 3.

Dormeyer Corporation, assignee: *See*— Allesee, Marvin E.

Drazick, John, Detroit, Mich. Cap gripper. 156,709, Jan. 3.

Du Pree, Ernest L., Jr., Old Greenwich, Conn., assignor to Schenley Industries, Inc. Bottle. 156,710, Jan. 3.

Eberle, Augusta, North Hollywood, Calif. Uniform coat. 156,711, Jan. 3.

Eichmuller, Ferdinand, Jenkintown, Pa., assignor to The Precious Metals Specialties Company, Inc., Newark, N. J. Gem setting or similar article. 156,712, Jan. 3.

Engel, Paul R., assignor to Carl Wirth & Son, Inc., Rochester, N. Y. Antirattler for automobile windows. 156,713, Jan. 3.

Erteszek, Olga, Los Angeles, Calif. Brassière. 156,714, Jan. 3.

Evans, Virginia B., Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Ash tray or similar article. 156,715, Jan. 3.

Evans, Virginia B., Moundsville, W. Va., assignor to Imperial Glass Corporation, Ballaire, Ohio. Bowl or similar article. 156,716, Jan. 3.

Evans, Virginia B., Moundsville, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Cigarette box or similar article. 156,717, Jan. 3.

Ferris, Chauncey W., Ann Arbor, Mich. Combination house number and doorbell unit. 156,718, Jan. 3.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Oral inhalator. 156,719, Jan. 3.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Nasal inhalator. 156,720, Jan. 3.

Formaid Co., assignee: *See*— Sachs, Charles M.

Foster Grant Co., Inc., assignee: *See*— Ulvad, Bernard.

Fostoria Glass Company, assignee: *See*— Sakier, George. Yutzey, Marvin G.

Fox West Coast Theatres Corporation, assignee: *See*—
Chavalas, William.
Fulton, Rosalie S., Denton, Tex. Measuring device. 156,721, Jan. 3.
Gammal, Ranzy M., Braintree, Mass. Bottle. 156,722. Jan. 3.
Gayson, Irene, New Britain, Conn. Pair of spectacles. 156,723, Jan. 3.
General Electric Company, assignee: *See*—
Wesche, Arthur C.
Genge, Harold T.: *See*—
Hampe, John C., and Genge.
Gettelman, Gilbert C., Hartford, Wis. Beverage heating appliance. 156,724, Jan. 3.
Gettelman, Gilbert C., Hartford, Wis. Beverage heating appliance. 156,725, Jan. 3.
Gettelman, Gilbert C., Hartford, Wis. Beverage heating appliance. 156,726, Jan. 3.
Gitz, John: *See*—
Boyajian, Alfred Z., Gitz, and Spencer.
Goodale, William G.: *See*—
Croft, William T., and Goodale.
Graham, William D., San Leandro, Calif. Articulated sight-seeing vehicle. 156,727, Jan. 3.
Grigsby, Robert E., Cincinnati, Ohio. Hair texture grader. 156,728, Jan. 3.
Hampe, John C., and H. T. Genge, Centralia, Wash. Spice and condiment rack. 156,729, Jan. 3.
Hoard, Halbert W., Fox Point, Wis. Light socket. 156,730, Jan. 3.
Hobbs, Charles B., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Broiler. 156,731, Jan. 3.
Hoeflicker, Arthur J., Long Beach, Calif. Combination tool. 156,732, Jan. 3.
Hofer, Hans, Chicago, G. Alto, Prospect Heights, and R. Dix, Chicago, Ill. Field glasses. 156,733, Jan. 3.
Hotpoint Inc., assignee: *See*—
Sandin, Ray C.
Imperial Glass Corporation, assignee: *See*—
Evans, Virginia B.
Jacobson, Ruthe Z., Louisville, Ky. Game board. 156,734, Jan. 3.
Jacobsson, Wilgot J., Plainfield, N. J., assignor to The Linde Air Products Company. Fluid pressure regulator. 156,735, Jan. 3.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Handle for a container cap. 156,736, Jan. 3.
Katz, Russell S., assignor to P. Benninghofen and E. C. Diesbach, Hamilton, Ohio, trustees. Autographic register. 156,737, Jan. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,738, Jan. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,739, Jan. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 156,740, Jan. 3.
Kauffman, Dorothy B., Cleveland, Ohio. Necktie holder. 156,741, Jan. 3.
Keck, Zoma S., Canandaigua, N. Y. Brassière. 156,742, Jan. 3.
Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Combined air distribution outlet and lighting fixture. 156,743, Jan. 3.
Kent, Sherle, assignor to D. Ornstein & Sons, Corporation, New York, N. Y. Combined wrist watch and strap therefor. 156,744, Jan. 3.
Kent, Sherle, assignor to D. Ornstein & Sons Corporation, New York, N. Y. Combined wrist watch and strap therefor. 156,745, Jan. 3.
Kent, Sherle, assignor to D. Ornstein & Sons Corporation, New York, N. Y. Combined wrist watch and strap therefor. 156,746, Jan. 3.
Knapp, Joseph F., Naugatuck, assignor to Knapp Machine Corporation, Waterbury, Conn. Photographic layout table. 156,747, Jan. 3.
Knapp Machine Corporation, assignee: *See*—
Knapp, Joseph F.
Lamm, Carl O., Stockholm, Sweden. Casing for a hand-driven address printing machine. 156,748, Jan. 3.
Larsen, Karl R., Aitkin, Minn. Combined bait and lure. 156,749, Jan. 3.
Larssen, Lucy, New York, N. Y. Blouse or similar article. 156,750, Jan. 3.
Leading Engine Company, The, assignee: *See*—
Benjamin, Harry S., and De Harte.
Levine, Abraham, Elizabeth, N. J. Luggage lock or the like. 156,751, Jan. 3.
Linde Air Products Company, The, assignee: *See*—
Jacobsson, Wilgot J.
Lyons, John L., North Hollywood, Calif. Duplex condiment holder and dispenser. 156,752, Jan. 3.
Maiden Form Brassiere Company, Inc., assignee: *See*—
Coleman, Joseph A.
Miller, Robert W., assignor to Republic Aviation Corporation. Farmingdale, N. Y. Amphibian airplane. 156,753, Jan. 3.
Moreno, Verone R., Washington, D. C. Dress ensemble. 156,754, Jan. 3.
Moulson, Frederick W., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Ear clip finding. 156,755, Jan. 3.
Mozuras, William, Detroit, Mich. Fish lure. 156,756, Jan. 3.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hairbrush. 156,757, Jan. 3.
National Broadcasting Company, Inc., assignee: *See*—
Allen, Robert Y., and Shaw.
Niesner, Bruno, Milwaukee, Wis. Desk stand. 156,758, Jan. 3.
Omo, Frank J., assignor to Alfab Manufacturing Company, Houston, Tex. Technician's workbench. 156,759, Jan. 3.
Orley, George, Detroit, Mich. Freezer cabinet. 156,760, Jan. 3.
Ornstein, D., & Sons Corporation, assignee: *See*—
Kent, Sherle.
Packard Motor Car Company, assignee: *See*—
Wright, Philip O.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,761, Jan. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,762, Jan. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,763, Jan. 3.
Precious Metals Specialties Company, Inc., The, assignee: *See*—
Eichmuller, Ferdinand.
Primavera, Vincent A. R., Norton, Conn. Chair or similar article. 156,764, Jan. 3.
Pro-phy-lac-tic Brush Company, assignee: *See*—
Muller-Munk, Peter.
Quin, Murray L., Overland, Mo., assignor to Barber-Colman Company, Rockford, Ill. Louvered fluorescent lighting fixture. 156,765, Jan. 3.
Redd, William R., Western Springs, Ill. Combined salt and pepper shaker. 156,766, Jan. 3.
Reibling-Lewis, Inc., assignee: *See*—
Bristol, Charles W.
Republic Aviation Corporation, assignee: *See*—
Boyajian, Alfred Z., Gitz, and Spencer.
Miller, Robert W.
Spencer, Percival H.
Rochow, Arthur J., Pittsford, N. Y. Supporting base and cover for window locks. 156,767, Jan. 3.
Roper, Geo. D., Corporation, assignee: *See*—
Stuman, Jack B.
Sachs, Charles M., West Newton, assignor to Formaid Co., Boston, Mass. Brassière. 156,768, Jan. 3.
Sakier, George, Frenchtown, N. J., assignor to Animal Trap Company of America, Lititz, Pa. Jardiniere. 156,769, Jan. 3.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 156,770, Jan. 3.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Washing machine. 156,771, Jan. 3.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Automatic clothes washer. 156,772, Jan. 3.
Schaper, Leonard W., West Orange, N. J. Spinner toy. 156,773, Jan. 3.
Schell, Burt E., Jr., Evanston, assignor to Shure Brothers, Incorporated, Chicago, Ill. Microphone. 156,774, Jan. 3.
Schenley Industries, Inc., assignee: *See*—
Du Pree, Ernest L., Jr.
Schultz, Ervin F., Fond du Lac, Wis. Animated trundle toy. 156,775, Jan. 3.
Schultz, Ervin F., Fond du Lac, Wis. Animated toy. 156,776, Jan. 3.
Sears, Cleo V., Ashtabula, Ohio, assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Madonna candle holder. 156,777, Jan. 3.
Shaw, Melvin: *See*—
Allen, Robert Y., and Shaw.
Shure Brothers, Incorporated, assignee: *See*—
Schell, Burt E., Jr.
Skolnik, Gerald: *See*—
Danzig, Selig M., and Skolnik.
Spencer, Percival H.: *See*—
Boyajian, Alfred Z., Gitz, and Spencer.
Spencer, Percival H., Babylon, N. Y., assignor to Republic Aviation Corporation. Amphibian airplane. 156,778, Jan. 3.
Spindell, Philip, New York, N. Y. Handbag. 156,779, Jan. 3.
Spindell, Philip, New York, N. Y. Handbag. 156,780, Jan. 3.
Spindell, Philip, New York, N. Y. Handbag. 156,781, Jan. 3.
Stores Publishing Co. Inc., assignee: *See*—
Bergal, Geo.
Strassner, John F., New York, N. Y. Dress ensemble. 156,782, Jan. 3.
Stuman, Jack B., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined clock, clock control, condiment holders and shelf for cooking stoves. 156,783, Jan. 3.
Stuman, Jack B., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined timer and condiment holders for cooking range. 156,784, Jan. 3.
Sykes, Carl E., Norfolk, Va. Combination fender trim and signal light unit. 156,785, Jan. 3.

Taylor, Moulton B., U. S. Navy. Amphibian airplane. 156,786, Jan. 3.
Thomas, Islyn, assignor to Thomas Manufacturing Corp., Newark, N. J. Toy rocker. 156,787, Jan. 3.
Thomas Manufacturing Corp., assignee: *See*—
Thomas, Islyn.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Ulvad, Bernard, assignor to Foster Grant Co., Inc., Leominster, Mass. Combined comb holder and tray. 156,788, Jan. 3.
U. S. Manufacturing Corporation, assignee: *See*—
Hobbs, Charles B.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Warner, Ernest L., Los Angeles, Calif. Box or similar article. 156,789, Jan. 3.
Wesche, Arthur C., Bridgeport, Conn., assignor to General Electric Company. Air register grille plate or similar article. 156,790, Jan. 3.
Whitcomb, Charles E., Bayside, N. Y. Combined candy and doll package. 156,791, Jan. 3.
White, Thomas J., Kirkwood, Mo. Egg beater. 156,792, Jan. 3.
Wilks, Pauline, Oakland, Calif. Vanity hamper. 156,793. Jan. 3.
Will & Baumer Candle Co., Inc., assignee: *See*—
Sears, Cleo V.
Wingo, Harvey R., San Diego, Calif. Ash tray. 156,794, Jan. 3.
Wirth, Carl, & Son, Inc., assignee: *See*—
Engel, Paul R.
Wolf, Semon, New York, N. Y. Slip. 156,795, Jan. 3.
Wolf, Semon, New York, N. Y. Slip. 156,796, Jan. 3.
Woodhouse, William H., Mount Vernon, assignor to Acme Laces, Inc., New York, N. Y. Lace. 156,797, Jan. 3.
Wright, Philip O., assignor to Packard Motor Car Company, Detroit, Mich. Lamp casing or similar article. 156,798, Jan. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Cake plate. 156,799, Jan. 3.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 156,800, Jan. 3.
Zeglen, Magdalene B., Minneapolis, Minn. Ribbon holder. 156,801, Jan. 3.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

ACF Brill Motors Company, assignee: *See*—
Peabody, Donald C.

Abrams, Norman H., Waco, Tex., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Water meter. 2,493,098, Jan. 3.

Abbotts Dairies, Incorporated, assignee: *See*—
Kennedy, Ridgway, Jr.

Adams, Mosel A., Evangeline, assignor of one-half to C. V. Radke, Jennings, La. Elevating device for raising gin poles on trucks. 2,493,099, Jan. 3.

Adams, Robert R., Cincinnati, and R. L. Henry, Indian Hill Village, Ohio. Clothesline hanger. 2,493,331, Jan. 3.

Adams, William N., Jr., Decatur, Ga. Fishing plug retriever. 2,493,100, Jan. 3.

Aeschlimann, John A., Montclair, N. J., and A. Stempel, Brooklyn, N. Y., assignors to Hoffman-La Roche Inc., Nutley, N. J. Carbamic acid esters. 2,493,710, Jan. 3.

Affiliated Gas Equipment, Inc., assignee: *See*—
Campbell, Donald A.

Agriculture, the United States of America as represented by the, assignee: *See*—
Reid, John D., Ward, Jr., and Mazzeno, Jr.

Ahlberg, Curt F., Appelviken, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Regulating device for electromagnetic driven vibratory pendulums. 2,493,101, Jan. 3.

Air Devices, Inc., assignee: *See*—
O'Day, Cortland N.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Meyerhans, August.

Allenbach, Roy E., Pueblo, Colo. Music sheet turner. 2,493,610, Jan. 3.

Alloway, Vivian P., Craigmont, Idaho. Wheel attachment for plows. 2,493,649, Jan. 3.

Altamura, Mario S., Brooklyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,493,213, Jan. 3.

Althouse, William S., Jr.: *See*—
Baker, Reuben C., and Althouse, Jr.

Aluminum Company of America, assignee: *See*—
Chew, Frank D.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Combined electrical refrigerator and air-cooling unit. 2,493,378, Jan. 3.

Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.

Amador, Francisco T., Santurce, P. R. Multiple unit cooling, agitating, and dispensing apparatus for beverages. 2,492,950, Jan. 3.

American Box Board Company, assignee: *See*—
Anderson, Wilbur G., Jr.

American Cyanamid Company, assignee: *See*—
Bell, Paul H.
Thurston, Jack T., and Kaiser.

American Liquid Gas Corporation, assignee: *See*—
Smith, Harold W., and Luxon.

American Type Founders, Incorporated, assignee: *See*—
Freer, William A.

American Wheelabrator & Equip. Corp., assignee: *See*—
Barnes, Kenneth H.

American Wheelabrator & Equipment Corporation, assignee: *See*—
Hirsch, Charles.

Ampro Corporation, assignee: *See*—
Cisski, Irving.
Morgan, Thomas J., and Hazzard.

Amsler, Rudolf, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen am Rheinfall, Switzerland. Hydraulic pump assembly. 2,493,280, Jan. 3.

Andersen, Arthur A., Jr., Crystal Lake, Ill. Baby basket. 2,493,181, Jan. 3.

Anderson, Eric W., London, and T. J. McDermott, Romford, England. Pulse generating circuit. 2,493,379, Jan. 3.

Anderson, Norman T.: *See*—
Sweeley, Edward A., and Anderson.

Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Folding paper box. 2,493,281, Jan. 3.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Birch, Stanley F., Habeshaw, and Collis.

Ankenman, Earl B.: *See*—
Mahnke, Kurt, and Ankenman.

Applegarth, Alexander R., Jr., Dayton, Ohio. Blocking oscillator. 2,493,517, Jan. 3.

Archambault, Alcide J., North Quincy, Mass. Building block. 2,493,435, Jan. 3.

Arieti, Eugene, Springfield, Mass. Creeper for use on icy or other slippery surfaces. 2,493,563, Jan. 3.

Arisman, Mervin B.: *See*—
Budd, Wilbert H., Arisman, and Thompson.

Armour and Company, assignee: *See*—
Koppit, Raymond, and Davis, Jr.
Weber, William F.

Arneson, Charles O., Delhi, La. Pneumatic cotton-picking spindle. 2,493,564, Jan. 3.

Arps, Frederick B., New Holstein, Wis. Dirt and snow mover. 2,493,565, Jan. 3.

Ashton, Everett H.: *See*—
Lake, Francis G., and Ashton.

Ashton, Everett H., assignor to The M. W. Kellogg Company, Jersey City, N. J. Shuttle box plate. 2,493,611, Jan. 3.

Askania Regulator Company, assignee: *See*—
Glass, Paul.
Ziebolz, Herbert.

Associated Development and Research Corporation, assignee: *See*—
Prehn, Henri.

Atkins, Thomas R., Saugus, assignor of one-half to L. L. Witter, Boston, Mass. Tipped cigarette. 2,493,436, Jan. 3.

Atlantic Carton Corporation: *See*—
Whitehead, Earl B.

Attorney General of the United States: *See*—
Simon, Victor.
Zipper, Emil.

Aubin, Gerald C., Burlington, Vt. Aligning device. 2,493,332, Jan. 3.

Automatic Locking Devices, Incorporated, assignee: *See*—
Spraragen, Louis.

"Automatic" Sprinkler Company of America, assignee: *See*—
Rider, Harry N.

Automotive Products Company Limited, assignee: *See*—
Clench, Edward C. S.

Axelrad, Bernard A.: *See*—
McIver, DeWitt T., and Lee, and Axelrad.

Aycock, Walter F., El Centro, assignor, by mesne assignments to Tank Fertilizer, Inc., Brawley, Calif. Introducing liquid fertilizer into irrigation streams. 2,492,944, Jan. 3.

Babcock & Wilcox Company, The, assignee: *See*—
Maxwell, Carl A.

Badger Meter Manufacturing Company, assignee: *See*—
Abrams, Norman H.

Baehr, Herman W., Waupaca, assignor to Eagle Manufacturing Company, Appleton, Wis. Conveyer. 2,493,333, Jan. 3.

Bailey, Theodore, Habana, Cuba. Nursing bottle. 2,493,380, Jan. 3.

Baines, Richard H.: *See*—
Levers, William H., and Baines.

Baker, George H., and E. E. Crump, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,492,951, Jan. 3.

Baker Oil Tools, Inc., assignee: *See*—
Baker, Reuben C., and Althouse, Jr.

Baker, Reuben C., Coalinga, and W. S. Althouse, Jr., Alhambra, assignors to Baker Oil Tools, Inc., Vernon, Calif. Valve device for well conduits. 2,493,650, Jan. 3.

Bakewell, G. G., assignee: *See*—
Diebel, Henry S.

Balab: *See*—
Larsen, Rudolph H., and Bresee, Jr.

Balassa, Ladislaus, Riverside, R. I., assignor to The United States Finishing Company, Norwich, Conn. Crease-proofing textiles. 2,493,381, Jan. 3.

Baldwin Company, The, assignee: *See*—
Schroth, Edward L.

Baldwin, Francis P., Woodbridge, N. J., assignor to Standard Oil Development Company. Reclaiming vulcanized polymers by treatment with metalloid hydrides. 2,493,518, Jan. 3.

Ball, Joseph A., Los Angeles, Calif., A. B. Jennings, New Brunswick, N. J., and O. W. Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic four-color light-sensitive stripping elements. 2,492,952, Jan. 3.

Ball, Joseph A., Los Angeles, Calif., A. B. Jennings, New Brunswick, N. J., and O. W. Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive bipack film for four-color photography. 2,492,953, Jan. 3.

Ball, Joseph A., Los Angeles, Calif., A. B. Jennings, New Brunswick, N. J., and O. W. Murray, Burbank, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic four-color light-sensitive stripping elements. 2,492,954, Jan. 3.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Polyoxyalkylene compounds. 2,492,955, Jan. 3.

Ballard, Seaver A., Oakland, H. de V. Finch, El Cerrito, and E. A. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of unsaturated hydrocarbons from unsaturated ketones. 2,492,956, Jan. 3.

Balthaser, Floyd J., San Gabriel, Calif. Mounting bracket. 2,492,945, Jan. 3.

Baltosser, Robert W., assignor to Seismograph Service Corporation, Tulsa, Okla. Reproducing and translating apparatus. 2,493,519, Jan. 3.

Barber, Ira J., assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio. Pattern density ray approximating reflector. 2,492,946, Jan. 3.

Bardshar, Camilia C.: *See*—
Bardshar, Henry P.

Bardshar, Henry P., Los Angeles, Calif.; C. C. Bardshar, administratrix of said H. P. Bardshar, deceased. Spring-lift jaw cable grip. 2,493,214, Jan. 3.

Barkalow, Clare E.: *See*—
Haskins, Robert, Jr., and Barkalow.

Barnes, Kenneth H., assignor to American Wheelabrator & Equip. Corp., Mishawaka, Ind. Surface treating device. 2,493,215, Jan. 3.

Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Film positioning drum. 2,493,056, Jan. 3.

Bauer, Clarence G., Berkeley, assignor to Chrysler Corporation, Highland Park, Mich. Door seal. 2,493,566, Jan. 3.

Beder, Samuel L., assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Reversible brief case. 2,493,182, Jan. 3.

Beekman Industries, Inc., assignee: *See*—
Wagner, George B.

Beidler, Edward A.: *See*—
Henderson, Ashland S., and Beidler.

Bell, Paul H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Automatic sample collector. 2,493,382, Jan. 3.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Baker, George H., and Crump.
Boghosian, William H., Darlington, and Och.
Daschke, Arthur W.
Germanton, Charles E.
Miller, Stewart E.
Trucksess, David E.

Bellstedt, Carl, Lynwood, Calif. Incinerator for products of combustion engines, furnaces, and the like. 2,492,947, Jan. 3.

Bench, David, assignee: *See*—
Smelker, LeRoy.

Bench, Helen V., assignee: *See*—
Smelker, LeRoy.

Bench, Martha J., assignee: *See*—
Smelker, LeRoy.

Bench, Paul F., assignee: *See*—
Smelker, LeRoy.

Bench, Thomas E., assignee: *See*—
Smelker, LeRoy.

Bendix Aviation Corporation, assignee: *See*—
Ketay, Morris F., and Miller.
Peterson, Joel D.
Warsher, Adolph.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Casler, Roger H.
Fitch, Ellery R.

Bennett, John G., C. D. Greaves, and G. C. Philpotts, London, and M. Pirani, W. J. Kramers, and D. B. Foster, Kingston-on-Thames, assignors to C. D. Patents Limited, London, England. Production of useful articles from coal. 2,493,383, Jan. 3.

Bennett, Nicholas: *See*—
Foster, Reginald T., and Bennett.

Bergel, Frans, and A. Cohen, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of ketotetrahydropyridine derivatives and hydroxypyridine derivatives. 2,493,520, Jan. 3.

Bergen, Daniel E., Phillips, Tex., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,493,384, Jan. 3.

Berger, Charles V., Minneapolis, Minn., assignor to Universal Oil Products Company, Chicago, Ill. Controlling catalyst regeneration temperature. 2,492,948, Jan. 3.

Berger, Henry G., Glen Rock, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,493,216, Jan. 3.

Berger, Henry G., Glen Rock, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,493,217, Jan. 3.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Gas-solid contact process. 2,493,218, Jan. 3.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,493,219, Jan. 3.

Bermingham, James A., Jr., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Coupling device. 2,493,521, Jan. 3.

Berry, Howard L., Schenectady, N. Y. Signal device. 2,493,437, Jan. 3.

Bibby, J., & Sons Limited: *See*—
Bibby, James E.

Bibby, James E., Birkenhead, assignor to J. Bibby & Sons Limited, Liverpool, England. Rotary drum evaporator with concentric evaporating chambers. 2,493,220, Jan. 3.

Biermann, Arnold E.: *See*—
Moore, Charles S., Voss, and Biermann.

Billgren, Rune, Fagersta, Sweden. Blast preheater. 2,493,057, Jan. 3.

Birch, Stanley F., J. Habeshaw, and C. B. Collis, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Preparation in a condition of purity of hydrocarbons from mixtures containing them. 2,493,567, Jan. 3.

Blair, Joseph N., Detroit, Mich. Animal trap. 2,492,957, Jan. 3.

Blanchet, Ovila J., New Bedford, Mass. Motion-picture apparatus. 2,493,612, Jan. 3.

Bland, Rophie E., New York, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Employing fluent catalyst. 2,492,958, Jan. 3.

Blaw-Knox Company, assignee: *See*—
Records, William M.

Bliss, Warren H., Princeton, N. J., assignor to Radio Corporation of America. Frequency divider. 2,493,058, Jan. 3

Block, Curtis, Bridgeport, Conn. Cigarette box. 2,493,334, Jan. 3.

Blumenthal, Warren B., Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Dye pigment. 2,492,959, Jan. 3.

Boardman, Harry C., F. L. Goldsby, and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Lifter roof storage tank. 2,492,960, Jan. 3.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Gasholder. 2,492,961, Jan. 3.

Boelter, Llewellyn M. K., Los Angeles, R. V. Dunkle, Concord, and J. T. Gier, Oakland, Calif., and R. C. Martinelli, Schenectady, N. Y., assignors to The Regents of the University of California, Berkeley, Calif. Thermoelectric heat flow responsive device. 2,493,551, Jan. 3.

Boghosian, William H., Forest Hills, S. Darlington, New York, N. Y., and H. G. Och, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery director. 2,493,183, Jan. 3.

Bohmker, Thomas W., Geneseo, C. W. Walz, Rock Island, and J. H. Clark, assignors to Deere & Company, Moline, Ill. Beet harvester. 2,492,962, Jan. 3.

Boody, Frederick J.: *See*—
Eldred, Wendell E., and Boody.

Boox, Frederick B., Montreal, Quebec, Canada, assignor to Chicago Bridge & Iron Company. Sealing means for liquid storage tanks. 2,492,963, Jan. 3.

Bordewieck, Robert W.: *See*—
Moore, Raymond D., and Bordewieck.

Borg-Warner Corporation, assignee: *See*—
Emmert, Arthur P.

Bortnick, Eshim, New York, N. Y. Tractor attachment for baby carriages. 2,493,613, Jan. 3.

Bouchard, Louis J., assignor to Dual Mfg. and Engineering Co., Holyoke, Mass. Tool mechanism. 2,493,473, Jan. 3.

Boucher, Emile G., Baltimore, Md. Jar and tumbler cap lifting and removing tool. 2,493,438, Jan. 3.

Boudreau, Girard E., Clinton, Iowa, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for packaging cigars in layers with the cigars in one layer staggered with respect to cigars in adjacent layers. 2,493,221, Jan. 3.

Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand, France. Pneumatic tire. 2,493,614, Jan. 3.

Bowersox, Joseph W., St. Petersburg, Fla., assignor to Sealy, Incorporated, Memphis, Tenn. Apparatus and method for making cushions. 2,493,652, Jan. 3.

Bowman, Glade B.: *See*—
Hammond, Milton B., and Bowman.

Bowyer-Lowe, Albert C., and E. R. Peach, assignors to Pye Limited, Cambridge, England. Electric attenuator. 2,493,653, Jan. 3.

Boyd, Mathias W., Oakland, Calif. Metal suit and trouser hanger. 2,493,385, Jan. 3.

Bradley, Harris W.: *See*—
Hunt, Madison.

Brainard, Maurice W., assignor of one-half to O'Keefe and Merritt Company, Los Angeles, Calif. Rotor for electric machines and making the same. 2,493,102, Jan. 3.

Bramel, Henry C., Toledo, Ohio. Shaping machine. 2,493,103, Jan. 3.

Brasher, Phillip, Brooklyn, N. Y. Apparatus for collapsing water waves. 2,492,849, Jan. 3.

Braucht, Benjamin E., Salem, Oreg. Warming rack. 2,493,222, Jan. 3.

Braun, C. F., & Co., assignee: *See*—
Haynes, Charles L.

Braund, John J., Washington, D. C. Relief duplication. 2,493,439, Jan. 3.

Breese Burners, Inc., assignee: *See*—
Breese, James L.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Generator burner with snap action control. 2,493,474, Jan. 3.

Brekelbaum, Erwin C.: *See*—
Wendelburg, Frank W., and Brekelbaum.

Brenkert, Karl, Detroit, Mich., assignor to Radio Corporation of America. Gate actuating mechanism for motion-picture machines. 2,493,440, Jan. 3.

Bresee, Fred, Jr., assignee: *See*—
Larsen, Rudolph H., and Bresee, Jr.

Brevets Aero-Mecaniques S. A., assignee: *See*—
Weiss, Willi.

Bright, Starling I., Greer, S. C. Self-threading shuttle. 2,493,568, Jan. 3.

Bristol Company, The, assignee: *See*—
Thynell, Gustave M.

British Mechanical Productions Limited, assignee: *See*—
Deakin, Stanley T.

Britton, Edgar C., and E. Monroe, Midland, and C. R. Hand, Stanford, assignors to The Dow Chemical Company, Midland, Mich. Di-aryloxy-methanes. 2,493,711, Jan. 3.

Brno Arms Factory, National Corporation, assignee: *See*—
Werner, Vilem, and Kubelka.

Brock, John B., Adairsville, Ga. Multiple compartment vending machine. 2,493,223, Jan. 3.

Brown, Burton P., Jr., Schenectady, N. Y., assignor to General Electric Company. Composite loop antenna system. 2,493,569, Jan. 3.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shipper lever for looms. 2,493,104, Jan. 3.

Browne, Donald B., Harpenden, and K. E. Buckman, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich. Air cleaner. 2,493,335, Jan. 3.

Brownlee, Kenneth H., Skokie, assignor to The Meyercord Co., Chicago, Ill. Method and apparatus for applying transfers. 2,493,522, Jan. 3.

Brownlee, Kenneth H., Skokie, assignor to The Meyercord Co., Chicago, Ill. Machine for applying transfers. 2,493,523, Jan. 3.

Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Apparatus for locating open circuit faults in electrical circuits. 2,493,524, Jan. 3.

Brunt, Harold, Los Angeles, and O. E. Dohman, South Gate, Calif. Skipping hoop. 2,493,224, Jan. 3.

Brush Development Company, The, assignee: *See*—
Jaffe, Hans.
Merchant, Charles J.

Bryden, John H., Pasadena, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Beta-chloroethyl-p-trichloromethyl benzoate. 2,493,615, Jan. 3.

Buckman, Kenneth E.: *See*—
Browne, Donald B., and Buckman.

Budd, Wilbert H., M. B. Arisman, and R. R. Thompson, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Tandem variable resistor control. 2,493,184, Jan. 3.

Bull, Eric W.: *See*—
Watton, Walter L., Bull, and White.

Bunting, Bessie, assignee: *See*—
Bunting, Norman E.

Bunting, Norman E., assignor to B. Bunting, Cedar Rapids, Iowa. Combination grain-feeding and threshing means for harvesters. 2,493,105, Jan. 3.

Burger, Michael J., Murray Hill, N. J., R. W. Collins, Monroe, N. Y., and A. S. Cosler, Jr., Columbus, Ohio, assignors to the United States of America as represented by the Secretary of the Navy. Peak reading voltmeter. 2,493,336, Jan. 3.

Burgess Battery Company, assignee: *See*—
Simmons, Frank A.

Burns, Alexander, New York, N. Y. Portable tablet dispensing unit. 2,493,616, Jan. 3.

Burton, Jahue C., Hartsville, S. C. Gear wheel. 2,493,106, Jan. 3.

Bush, Ean L., San Francisco, Calif. Rat guard. 2,493,107, Jan. 3.

Bush, Harry J., Wilmington, Del. Variable and reversible flow pump. 2,493,525, Jan. 3.

Butin, Emile A., Lyon, France. Automatic shuttle changing means for weaving looms. 2,493,570, Jan. 3.

Butterly, Daniel R., New York, N. Y. Photoelectric miniature radio range. 2,492,964, Jan. 3.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Lined carton or container. 2,493,337, Jan. 3.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Covered box or container. 2,493,338, Jan. 3.

C. D. Patents Limited, assignee: *See*—
Bennett, John G., Greaves, Philpotts, Pirani, Kramers, and Foster.

Cairns, Frederick E., Jr., assignor to General Controls Co., Glendale, Calif. Antivibration plunger type electromagnet. 2,493,386, Jan. 3.

Calpat Corporation, assignee: *See*—
Foster, Nina L.

Calvin, Melvin, assignor to The Regents of the University of California, Berkeley, Calif. Cobalt bis-(3-fluorosalicylaldehyde)-ethylenediimine and making same. 2,493,654, Jan. 3.

Campbell, Donald A., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Flow mixer. 2,493,387, Jan. 3.

Campbell, Donald L., Short Hills, and J. M. Graham, Plainfield, N. J., assignors to Standard Oil Development Company. Controlling the temperature in a fluidized catalyst regeneration process. 2,493,526, Jan. 3.

Campbell, Robert R., Muskegon, Mich. Heat-treatment of cast iron. 2,493,339, Jan. 3.

Campbell, Walter A., assignee: *See*—
Russell, Stanley A.

Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Magnetic control system. 2,493,388, Jan. 3.

Cardinal Products Inc., assignee: *See*—
Schmitt, George P.

Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Wiper drive arm. 2,493,527, Jan. 3.

Carr, Jesse R., Anchorage, Territory of Alaska. Landing ski. 2,492,965, Jan. 3.

Carr, William H., Jr., Washington, D. C. Film tank agitator. 2,493,441, Jan. 3.

Cassella, Secondo L., R. Kurswell, and J. J. Pesqueira, assignors to Morey Machinery Co., Inc., New York, N. Y. Machine tool. 2,493,475, Jan. 3.

Casey, John B., Milwaukee, Wis. Battery cable terminal. 2,493,389, Jan. 3.

Casey, Walter L., Jr., Bonners Ferry, Idaho. Article handler. 2,493,108, Jan. 3.

Casler, Roger H., Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Valve mechanism. 2,493,442, Jan. 3.

Cassidy, William M., Madison, Maine. Jar sealer. 2,493,225, Jan. 3.

Celanese Corporation of America, assignee: *See*—
Daniels, Felix.
Levers, William H., and Baines.

Central Commercial Company, assignee: *See*—
Oswald, James A.

Central National Bank of Cleveland, executor: *See*—
Martin, Stoddard B.

Century Plastic Products, Inc., assignee: *See*—
Rocker, Elmer.

Chaban, Charles J., assignor, by mesne assignments, to Stabelan Chemical Company, Toledo, Ohio. Stabilization of polymers with an inorganic peroxide and an ester of any oxyacid of phosphorus. 2,493,390, Jan. 3.

Chapman Valve Manufacturing Co., The, assignee: *See*—
Malcolm, Vincent T.

Charis Corporation, assignee: *See*—
Leonard, Joseph, and Ihsen.

Chew, Frank D., Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa. Recovering scrap metal. 2,493,391, Jan. 3.

Chicago Bridge & Iron Company, assignee: *See*—
Boardman, Harry C.
Boardman, Harry C., Goldsby, and Orr.
Booz, Frederick B.

Chicago Pneumatic Tool Company, assignee: *See*—
Lear, Earl B.

Chicago Railway Equipment Company, assignee: *See*—
Ekjolm, Herbert W.

Chicago Telephone Supply Corporation, assignee: *See*—
Budd, Wilbert H., Arisman and Thompson.

Chilton, Allan, assignee: *See*—
Chilton, Roland.

Chilton, Roland, assignor to A. Chilton and W. E. Valk, Ridgewood, N. J. Toroidal transmission. 2,493,571, Jan. 3.

Chocacki, Joseph, and A. Zak, Detroit, Mich. Construction of cradles. 2,493,655, Jan. 3.

Chouinard, Alfred F.: *See*—
Motto, Chester, and Chouinard.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,712, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,713, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,714, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,715, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,716, Jan. 3.

Christ, Robert E., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized iron pentacarbonyl and motor fuel containing the same. 2,493,717, Jan. 3.

Chronic, Clarence C., Freeport, Ill., and C. A. Shaffer, Pasadena, Calif., assignors to Lever Motors Corporation, Wheaton, Ill. Lever engine action. 2,493,718, Jan. 3.

Chrysler Corporation, assignee: *See*—
Bauer, Clarence G.
La Brie, Ludger E.
Newton, Alwin B.

Chubbuck, Horace A., assignor to Ford Motor Company, Dearborn, Mich. Oil separator for crankcase vapors. 2,493,617, Jan. 3.

Ciski, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Locking mechanism for operation-control mechanism for motion-picture cameras. 2,493,443, Jan. 3.

Cities Service Oil Company, assignee: *See*—
Dermer, Otis C.

Ckola, John L., Minneapolis, Minn. Rotary toothbrush. 2,492,966, Jan. 3.

Clark, Carl L., Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Making wheel hubs. 2,492,967, Jan. 3.

Clark, James H.: *See*—
Bohmker, Thomas W., Walz, and Clark.

Clark, John R., Nutley, and J. D. Malkemus, Allendale, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Stabilizing sulfated products. 2,493,444, Jan. 3.

Clark, John R., Nutley, J. D. Malkemus, Allendale, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Method for stabilizing sulfated products. 2,493,445, Jan. 3.

Clench, Edward C. S., assignor to Automotive Products Company Limited, Leamington Spa, England. Sequentially operated multiple blower. 2,493,656, Jan. 3.

Clifton Products, Inc., assignee: *See*—
McCready, Wesley K., and Schormuller.

Cohen, Aaron: *See*—
Bergel, Franz, and Cohen.

Cohen, Louis, and S. R. Rahn, Philadelphia, Pa. Motion-picture reel end signal mechanism. 2,493,340, Jan. 3.

Cole, Frank A., Pittsburgh, Pa. Portable power-driven file. 2,493,226, Jan. 3.

Coleman, Eva B., Regina, Saskatchewan, Canada. Salt and pepper shaker. 2,493,109, Jan. 3.

Colgate-Palmolive-Peet Company, assignee: *See*—
Clark, John R., and Malkemus.

Collins, Russell W.: *See*—
Burger, Michael J., Collins, and Cosler, Jr.

Collis, Clarence B.: *See*—
Birch, Stanley F., Habeshaw, and Collis.

Colmar Corporation, The, assignee: *See*—
Cooksey, Otha.

Columbus McKinnon Chain Corporation, assignee: *See*—
Parker, Humphrey F., and Robins.

Colyer, Julian S., assignee: *See*—
Whittingham, Barron S.

Compiano, Micheal, Des Moines, Iowa. Measurer for marking trousers to be shortened. 2,493,618, Jan. 3.

Comstock, Eugene F., Rochester, N. Y. Machine for sharpening the knives of lawn mowers. 2,493,619, Jan. 3.

Cone Automatic Machine Company Inc., assignee: *See*—
Ranney, Herbert H., and Brown.

Conrad, Edward L.: *See*—
Mayer, Joseph U., Kahoe and Conrad.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Eldred, Wendell E., and Boody.

Continental-Diamond Fibre Company, assignee: *See*—
Parkinson, Alfred E.
Shepard, Randall H.

Conyne, Richard F.: *See*—
Rothrock, David A., Jr., and Conyne.

Cooksey, Otha, Louisville, Ky., assignor to The Colmar Corporation, Chicago, Ill. Web severing and clamping means. 2,492,968, Jan. 3.

Corey, William G., Altadena, Calif. Apparatus for pressuring air counterbalance cylinders. 2,493,341, Jan. 3.

Corman, Gareld M., Los Angeles, Calif., assignor to The Corman and Young Optical Company, Inc., Reno, Nev. Lens for focusing infrared and ultraviolet rays. 2,493,110, Jan. 3.

Corman and Young Optical Company, Inc., The, assignee: *See*—
Corman, Gareld M.

Corning Glass Works, assignee: *See*—
Paquette, Cyril T., and Webb.

Corn Products Refining Company, assignee: *See*—
Gehman, Harry, and Hach.

Cosler, Arthur S., Jr.: *See*—
Burger, Michael J., Collins, and Cosler, Jr.

Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Pressure regulator. 2,493,111, Jan. 3.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Clutch and locking device therefor. 2,493,059, Jan. 3.

Crane, Carl J., Sacramento, Calif. Night and all-weather ground trainer. 2,492,969, Jan. 3.

Cristopher, Ludovic, Kansas City, Mo. Signaling device. 2,493,112, Jan. 3.

Criswell, Byron R., Lake Forest, Ill., assignor to Zenith Radio Corporation. Electrical switch. 2,493,185, Jan. 3.

Criswell, James L., Massillon, assignor to Republic Steel Corporation, Cleveland, Ohio. Crane hook lock nut. 2,493,282, Jan. 3.

Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Radio receiver noise muting circuit. 2,493,446, Jan. 3.

Crossland, Theodore K., Hialeah, Fla. Coaster brake. 2,493,227, Jan. 3.

Crouch, Willie W.: *See*—
Schulze, Walter A., and Crouch.

Crowder, Paul C., Sahara Village, Utah. Sprinkler. 2,493,528, Jan. 3.

Crowley, Henry L., & Company, Inc., assignee: *See*—
Henderson, Ashland S., & Beidler.

Crum, Stephen, Minneapolis, and H. W. Sandhoff, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,493,476, Jan. 3.

Crump, Elmo E.: *See*—
Baker, George H., and Crump.

Curry, Herman H., Morristown, N. J. Defrosting system. 2,492,970, Jan. 3.

Cusano, Paul, Union City, N. J. Board leveling mechanism. 2,493,620, Jan. 3.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France. Lathe control movement. 2,493,621, Jan. 3.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Winding wire onto a spool. 2,493,057, Jan. 3.

Dalglish, John, assignee: *See*—
Kaurie, Kenneth S.

Dance, Barbara G., San Jose, Calif. Diaper construction. 2,493,113, Jan. 3.

Daniels, Felix, Williamsport, Pa., assignor to Celanese Corporation of America. Weft detecting shuttle. 2,493,114, Jan. 3.

Danielson, Elmer L.: *See*—
Dofsen, Floyd J., and Danielson.

Darlington, Sidney: *See*—
Boghosian, William H., Darlington, and Och.

Daschke, Arthur W., Huntington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical control device. 2,493,060, Jan. 3.

Davis, Charles J., Jr.: *See*—
Koppit, Raymond, and Davis, Jr.

Davis, Ralph P., Squantum, Mass. Wrench frame mounting a pivoted inner jaw fulcruming on a nut rotatable on threaded shank of a sliding outer jaw. 2,493,529, Jan. 3.

Deakin, Stanley T., Ewell West, assignor to British Mechanical Productions Limited, Leatherhead, Surrey, England. Thermionic valve holder. 2,493,658, Jan. 3.

Dearborn Chemical Company, assignee: *See*—
Gunderson, Lewis O.

De Baun, John E., Upper Saddle River, N. J. Educational game. 2,493,477, Jan. 3.

Decker, George A., Fenton, assignor to Link Aviation, Inc., Binghamton, N. Y. Signaling means for training devices. 2,493,228, Jan. 3.

Deere & Company, assignee: *See*—
Bohmker, Thomas W., Walz, and Clark.

De Lange, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wound condenser. 2,493,231, Jan. 3.

Delano, George W., Detroit, Mich. Belt structure. 2,493,447, Jan. 3.

Delgaudio, Eugene, Brooklyn, N. Y. Venetian blind. 2,493,186, Jan. 3.

De Montremy, Jean, Pau, France. Photographic camera provided with range finder. 2,493,392, Jan. 3.

Dermer, Otis C., Stillwater, assignor to Cities Service Oil Company, Bartlesville, Okla. Dibenzylidene anhydroenneaheptitol. 2,493,572, Jan. 3.

De Saussure, William P., Englewood, N. J. Card index. 2,493,530, Jan. 3.

Detroit Lubricator Company, assignee: *See*—
Landon, Walter S.

Devine, John U., Struthers, G. T. Radford, Youngstown, and M. S. Gettig, Poland, Ohio. Hydraulic pipe testing machine. 2,493,061, Jan. 3.

Devoe & Raynolds Company, Inc., assignee: *See*—
Greenlee, Sylvan O.

Dibrell, James W., Brooklyn, and P. White, Queens Village, N. Y.; D. L. White, administratrix of said P. White, deceased, assignor to said Dibrell. Instrument for drawing ellipses or the like. 2,493,229, Jan. 3.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. P-nitro-o-methylsulfonebenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. 2,492,971, Jan. 3.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. P-nitro-o-trifluoromethylbenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. 2,492,972, Jan. 3.

Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Door closing control hinge. 2,493,115, Jan. 3.

Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Door closer. 2,493,116, Jan. 3.

Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Hydraulic checking hinge. 2,493,117, Jan. 3.

Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Door-closing control hinge. 2,493,118, Jan. 3.

Dilley, Roy, Cedar Falls, assignor to Waterloo Tire Retreading Company, Waterloo, Iowa. Disk transport. 2,493,230, Jan. 3.

Dinesen, Laurits, and L. J. Olson, assignors to Perfection Manufacturing Corporation, Minneapolis, Minn. Rotary pump. 2,493,478, Jan. 3.

Dodge, Adiel Y., Rockford, Ill. Coupling. 2,493,232, Jan. 3.

Dofsen, Floyd J., Millbrae, and E. L. Danielson, Oakland, Calif. Bonding thermoplastic materials. 2,492,973, Jan. 3.

Dohman, Quincy E.: *See*—
Brunt, Harold, and Quincy.

Dorey, George B. Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Construction of outlet frames for hoppers. 2,493,393, Jan. 3.

Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Getter structure for electric discharge tubes. 2,493,659, Jan. 3.

Dow Chemical Company, The, assignee: *See*—
Britton, Edgar C., Monroe, and Hand.

Dow Chemical Company, The, assignee: *See*—
Lynn, George E.

Dower, Edward W., assignor to Elgin National Watch Company, Elgin, Ill. Plug gauge. 2,493,233, Jan. 3.

Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Automatic screw thread lapping machine. 2,493,573, Jan. 3.

Draper Corporation, assignee: *See*—
Brown, Carl D.

Dual Mfg. and Engineering Co., assignee: *See*—
Bouchard, Louis J.

Ducey, Francis E., Midland, Mich. Table attached infant's chair. 2,493,187, Jan. 3.

Duncan, Theodore R., North Hollywood, assignor to Mattel Creations, Inc., Culver City, Calif. Musical instrument having pluckable teeth. 2,493,119, Jan. 3.

Dungler, Julien, Basel, Switzerland. Nozzle member used for the drying of textile and other materials. 2,492,974, Jan. 3.

Dunham, George S., Plainfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for gas-solid contacting. 2,493,235, Jan. 3.

Dunkle, Robert V.: *See*—
Boelter, Llewellyn M. K., Dunkle, Gier, and Martinelli.

Dunn, Holbert E., Crafton, H. W. Rathmann, Pittsburgh, Pa., and H. C. Parkman, Niagara Falls, assignors to Vanadium Corporation of America, New York, N. Y. Pouring metals and products produced thereby. 2,493,394, Jan. 3.

Dunn, John W., Alhambra, Calif. Venetian blind supporting means. 2,493,234, Jan. 3.

Dunstan, Thomas W., assignor to Walker Brothers (Wigan) Limited, Wigan, England. Hydraulically adjustable vehicle body. 2,493,236, Jan. 3.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Ball, Joseph A., Jennings and Murray.
Boudreau, Girard E.
Bryden, John H.
Hunt, Madison, and Bradley.
Killian, Donald B.
Osdal, Le Verne K., and Pike.

Durkee, Henry E. Manchester, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Lathe work driver. 2,493,574, Jan. 3.

Duro-Persian Mfg., Inc., assignee: *See*—
Unger, Abraham.

Eagle Manufacturing Company, assignee: *See*—
Baehr, Herman W.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph B.
Fordyce, Charles R., and Gramkee.

Eaton, Belden H., Allison Park, Pa. Internally cleaning bearings of engines. 2,493,120, Jan. 3.

Eddy, William C., Michigan City, Ind., assignor to Television Associates, Inc., Chicago, Ill. Kaleidoscopic image projection device. 2,493,237, Jan. 3.

Eddy, William C., Michigan City, Ind., assignor to Television Associates, Inc., Chicago, Ill. Kaleidoscopic image projector with masking device. 2,493,238, Jan. 3.

Edison, Thomas A., Incorporated, assignee: *See*—
Jones, Harry S.
Zar, Jacob L.

Edwards, Donald V., Montclair, assignor to Electrons, Incorporated, Newark, N. J. Control apparatus for gas tubes. 2,493,575, Jan. 3.

Edwards, Harry D.: *See*—
Kendall, John D., and Edwards.

Eggleston, Ira S., St. Paul, assignor to Stanard Conveyor Company, North St. Paul, Minn. Live roller conveyer. 2,493,479, Jan. 3.

Ehlinger, Marcel: *See*—
Mercier, Ernest, and Ehlinger.

Eisner, Robert S., Red Bank, assignor to Hanlon & Goodman Co., Belleville, N. J. Implement for applying coatings. 2,493,480, Jan. 3.

Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,493,239, Jan. 3.

Eldred, Wendell E., and F. J. Boody, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation. Offset landing gear strut with continuously circulating ball type bearing. 2,493,342, Jan. 3.

Electric and Musical Industries, Limited, assignee: *See*—
Watton, Walter L., Bull and White.

Electrons, Incorporated, assignee: *See*—
Edwards, Donald V.

Elgin National Watch Company, assignee: *See*—
Dower, Edward W.

Elkins, Vance V., Cheyney, assignor to The Charles E. Hires Company, Philadelphia, Pa. Mixing faucet. 2,493,660, Jan. 3.

Elliott, Irving C., Kelseyville, Calif. Floor treating composition. 2,492,975, Jan. 3.

Ellis, Johnstone D., assignor to The Troy Sunshade Company, Troy, Ohio. Umbrella. 2,493,121, Jan. 3.

Elwell, Dorothy A., Boston, Mass. Ice-cream maker and dispenser. 2,493,395, Jan. 3.

Emerich, William B., Evansville, Ind. Air conditioning apparatus for vehicles. 2,493,122, Jan. 3.

Emmert, Arthur P., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling. 2,493,240, Jan. 3.

Enterprise Railway Equipment Company, assignee: *See*—
Dorey, George B.

Eskola, Edmund A., Bothell, Wash. Occupant propelled vehicle. 2,493,124, Jan. 3.

Eskuchen, Frank G., Atlantic City, N. J., assignor to Radio Corporation of America. Automatic selector mechanism. 2,493,622, Jan. 3.

Espersen, George A., Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Magnetron cavity structure and manufacture of same. 2,493,661, Jan. 3.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Mounting for window ventilators. 2,493,123, Jan. 3.

Essick Manufacturing Company, assignee: *See*—
Essick, Bryant.

Eureka Specialty Printing Co., assignee: *See*—
Thurston, Norman R.

Evans, Charles S., Atherton, Calif., assignor, by mesne assignments, to Morton Gregory Corporation. Ferrule for welding. 2,493,283, Jan. 3.

Eyster, James A: *See*—
Washburne, Brenton P., and Eyster.

Fabric Research Laboratories, Inc., assignee: *See*—
Painter, Erle V., Jr.

Falcon, William V., Revere, Mass. Internal-combustion engine. 2,493,481, Jan. 3.

Fansteel Metallurgical Corporation, assignee: *See*—
Fry, Stanley S.

Farber, Eduard, Washington, D. C., and Matthew Sciascia, New York, N. Y., assignors to Timber Engineering Company, Washington, D. C. Recovery of silver from solutions of silver salts. 2,493,396, Jan. 3.

Farkas, Adalbert, Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Diesel engine fuel. 2,493,284, Jan. 3.

Farnsworth Research Corporation, assignee: *See*—
Ferguson, Joseph C.
Halstead, William S.
Thorne, Charles L.

Fehr, Paul, assignor to Landis & Gyr, A. G., Zug, Switzerland. Arrangement for counting and measuring electric current impulses of short duration. 2,493,448, Jan. 3.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Signal mixing electron multiplier. 2,492,976, Jan. 3.

Finch, Harry de V.: *See*—
Ballard, Seaver A., Finch, and Peterson.

Fischer, William C.: *See*—
Khouri, Alfred S., and Fischer.

Fish, Franklin A., assignor to Link Manufacturing Company, Ltd., Gananoque, Ontario, Canada. Aquatic device. 2,493,482, Jan. 3.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid-pressure valve. 2,493,449, Jan. 3.

Fitches, Gerald E., Salt Lake City, Utah. Novelty garment. 2,493,531, Jan. 3.

Fitzpatrick, Richard T., Marcellus, N. Y. Cigarette lighter. 2,493,662, Jan. 3.

Flosdorf, Earl W., Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md. Dehydrating peas. 2,493,062, Jan. 3.

Foden, William, and Edwin Twemlow, assignors to Fodens Limited, Sandbach, England. Cooling arrangement of compression ignition internal-combustion engines. 2,493,532, Jan. 3.

Fodens Limited, assignee: *See*—
Fodens, William, and Twemlow.

Food Machinery and Chemical Corporation, assignee: *See*—
Thomas, Robert M.

Ford, Harold F., Cirencester, England. Supporting frame for postage meters. 2,493,188, Jan. 3.

Ford Motor Company, assignee: *See*—
Chubbuck, Horace A.
Renshaw, Edward S., and Sargood.

Fordyce, Charles R., and B. E. Gramkee, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate solution. 2,492,977, Jan. 3.

Fordyce, Charles R., and B. E. Gramkee, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate solution. 2,492,978, Jan. 3.

Fortin, Charles A., assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Demountable head assembly for pocket lighters. 2,493,450, Jan. 3.

Foss, Frank A., assignor of one-half to H. T. Jeandron, Keyport, N. J. Burglar alarm. 2,493,576, Jan. 3.

Foster, David B., assignee: *See*—
Bennett, John G., Greaves, and Phillpotts, and Pirani, Kramers, and Foster.

Foster, Nina L., Glendale, assignor to The Calpat Corporation, Los Angeles, Calif. Door-mounted electric space heater. 2,493,125, Jan. 3.

Foster, Reginald T., Birkenhead, and N. Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited. Manufacture of chlorinated phenoxy compounds. 2,493,126, Jan. 3.

Fostoria Pressed Steel Corporation, The, *See*—
Barber, Ira J.

Fourman, Lester M., Arcanum, Ohio. Manure loader. 2,493,397, Jan. 3.

Fowler, James O., Sparkhill, Birmingham, England. Heat-treating milk and cream in containers. 2,493,663, Jan. 3.

Fowler, James O., Sparkhill, Birmingham, England. Heat-treating milk and cream. 2,493,664, Jan. 3.

Francis, Charles E., and R. C. Jones, Martinez, assignors to Shell Development Company, San Francisco, Calif. Marine engine lubricant. 2,493,483, Jan. 3.

Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Tool for expanding and sizing the ends of metallic tubes. 2,493,127, Jan. 3.

Frank, Joseph J., Union, and J. C. Macy, Elizabeth, N. J., assignors to Hercules Fasteners, Inc. Sausage. 2,493,063, Jan. 3.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,493,189, Jan. 3.

Franklin, Laurence W., Hasbrouck Heights, N. J. Radio transmitting system. 2,493,484, Jan. 3.

Franklin, Lester K., Los Angeles, Calif. Adapter. 2,493,577, Jan. 3.

Freeport Sulphur Company, assignee: *See*—
McIver, Dewitt T., and Lee, and Axelrad.

Freer, William A., Poughkeepsie, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J. Control for intermittent drives. 2,492,979, Jan. 3.

Freyn Engineering Company, assignee: *See*—
Koenig, Ernest H.
Tau, Bruce E.

Fricke, Edwin R., Brookings, S. Dak. Magazine socket wrench with nut ejector. 2,493,398, Jan. 3.

Fruit Growers Express Company, assignee: *See*—
Sweeley, Edward A., and Anderson.

Fry, Stanley S., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Dry plate selenium rectifier. 2,493,241, Jan. 3.

Fuchs, William F., assignor to Sampsel Time Control, Inc., Spring Valley, Ill. Vibration-proof thermostatic switch. 2,493,190, Jan. 3.

Fulkerson, Volney E., Portland, Oreg. Photograph negative etching tool. 2,493,128, Jan. 3.

Fuller, Everett W.: *See*—
Berger, Henry G., and Fuller.

Funderburk, Frank, Thomasville, Ga. Cylinder and concave means for shelling peanuts. 2,493,533, Jan. 3.

Gaddis, Roy C., Cedar Rapids, Iowa, and L. R. Gann, Higginsville, Mo.; said Gann assignor to said Gaddis. Conveyer structure. 2,493,451, Jan. 3.

Gagnon, Andrew P., Warren, R. I. Ferrule for holding erasers to the butt ends of pencils. 2,493,665, Jan. 3.

Gahagan, Orren M., Dallas, Tex. Spinning device. 2,493,129, Jan. 3.

Gann, Luther R.: *See*—
Gaddis, Roy C., and Gann.

Garabedian, Haig S., Watertown, Mass. Valve controlled multiple outlet nozzle. 2,493,719, Jan. 3.

Garner, Lloyd P.: *See*—
Spooner, John M., and Garner.

Garnett, Edward V., Denver, Colo. Trailer for transporting automobiles. 2,492,980, Jan. 3.

Garreau, Yvonne, assignor to Societe Generale d'Applications Therapeutiques "Theraplix," Paris, France. Preparing iodinated 2-aminothiazole. 2,493,399, Jan. 3.

Gates, Major E., Crystal Lakes, Ill. Manufacture of ceramic articles. 2,493,623, Jan. 3.

Geer, Hobart S., Jackson Heights, assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y. Scaffold hoist holding means. 2,493,242, Jan. 3.

Gehman, Harry, Western Springs, and W. Hach, Oak Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Phytate purification. 2,493,666, Jan. 3.

Geistert, Lewis A., assignor to Simplex Display Fixture Company, Grand Rapids, Mich. Roller mounting for vertical dispensers. 2,493,485, Jan. 3.

General Aniline & Film Corporation, assignee: *See*—
Christ, Robert E.
Mayhew, Raymond L.

General Controls Co., assignee: *See*—
Cairns, Frederick E., Jr.

General Electric Company, assignee: *See*—
Brown, Burton P., Jr.
Kern, Edward A.
Seaward, Carl R.
Smith, Sidney R., Jr.
Thomas, Henry P.
Walters, Theodore R.
Waterton, Frank.
Young, Gerald W.

General Mills, Inc., assignee: *See*—
Wittcoff, Harold.

General Motors Corporation, assignee: *See*—
Browne, Donald B., and Buckman.
Henney, Charles F.
Kamrath, Herbert G.
Lundius, Alton H.
Stevens, Clarence C.

General Precision Laboratory Incorporated, assignee: *See*—
Gray, John W.
Washburne, Brenton P., and Eyster.

Genthe, Henry A., Burlington, Colo. Snowplow. 2,493,667, Jan. 3.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stabilization of polymerizable mixtures. 2,493,343, Jan. 3.

Germanton, Charles E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor-control circuit. 2,493,064, Jan. 3.

Gerson, Fred, Elmhurst, N. Y. Latch mechanism. 2,493,624, Jan. 3.

Gettig, Martin S.: *See*—
Devine, John U., Radford, and Gettig.

Gier, Joseph T.: *See*—
Boelter, Llewellyn M. K., Dunkle, and Gier, and Martinelli.

Gilbert, Alfred, London, England. Loose-leaf binder. 2,493,065, Jan. 3.

Gilbert, Charles D., Los Angeles, Calif. Pleat retainer for garments. 2,493,400, Jan. 3.

Gill, Donald W., Cincinnati, assignor to Frank F. Taylor Co., Norwood, Ohio. Handle for vehicles. 2,492,981, Jan. 3.

Ginzton, Edward L.: *See*—
Varian, Sigurd F., and Ginzton.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Selective output saturable reactor amplifier circuit. 2,493,130, Jan. 3.

Globe-Union Inc., assignee: *See*—
Khouri, Alfred S., and Fischer.

Gluyas, Thomas M., Jr., Westmont, N. J., assignor to Radio Corporation of America. Microwave detector network. 2,493,066, Jan. 3.

Godwin, Gurney L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current machine. 2,492,982, Jan. 3.

Godwin, Joseph E., Salem, N. J. Method and apparatus for forming cellular structures. 2,493,243, Jan. 3.

Goetz, Phillippe L., assignee: *See*—
Smith, Lewis R.

Gogol, Michael J., Southport, Conn. Garment hanger. 2,493,131, Jan. 3.

Goldberg, Alan A., and W. Kelly, Bradford-on-Avon, assignors to Ward, Blenkinsop & Company, Limited, Liverpool, England. Manufacture of 2,7-diaminoacridone. 2,493,191, Jan. 3.

Goldberg, Alan A., and W. Kelly, Bradford-on-Avon, assignors to Ward Blenkinsop & Company, Limited, Halewood, Liverpool, and Howards & Sons Limited, Ilford, Essex, England. Cyanoalkylamino derivatives of acridine and their production. 2,493,578, Jan. 3.

Goldberg, Moses W., Upper Montclair, and S. Teitel, Rutherford, assignors to Hoffman La Roche Inc., Nutley, N. J. Production of penicillin. 2,493,625, Jan. 3.

Goldsby, Fred L.: *See*—
Boardman, Harry C., Goldsby, and Orr.

Goldsmith, Louis J., New York, N. Y. Mattress. 2,493,067, Jan. 3.

Goldstein, Arnold, Allentown, Pa. Electric lighting device. 2,493,626, Jan. 3.

Gonzalez, Jose N., Salamanca, Gto., Mexico. Educational apparatus. 2,493,668, Jan. 3.

Goodrich, B. F., Company, The, assignee: *See*—
Hollerith, Charles.

Goss Printing Press Company, The, assignee: *See*—
Crafts, Curtis S.

Graham, John M.: *See*—
Campbell, Donald L., and Graham.

Gramkee, Bruce E.: *See*—
Fordyce, Charles R., and Gramkee.

Granat, Leo, San Francisco, Calif. Interlocking ring ensemble. 2,493,285, Jan. 3.

Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Modulator. 2,493,669, Jan. 3.

Greaves, Charles D.: *See*—
Bennett, John G., Greaves, and Phillpotts, and Pirani, Kramers, and Foster.

Green, Harry: *See*—
La Lande, William A., Jr., and Green.

Green, Sydney R., Barkingside, Ilford, England. Scale projection means for weighing balances. 2,493,133, Jan. 3.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Tall oil esters. 2,493,486, Jan. 3.

Greiner, Henry J., Anoka, Minn. Power take-off transmission. 2,493,132, Jan. 3.

Grey, David S., Lexington, assignor to Polaroid Corporation, Cambridge, Mass. Antiglare headlight system for automotive vehicles comprising selectively energized polarizing and nonpolarizing light sources. 2,493,192, Jan. 3.

Griffith Laboratories, Inc., The, assignee: *See*—
Hall, Lloyd A.

Grigg, George T., Walnut Park, Calif. Pipe joint. 2,493,432, Jan. 3.

Grimm, Clel L., Highland Park, Mich. Artificial fish bait. 2,493,487, Jan. 3.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic time measuring device. 2,493,627, Jan. 3.

Grosse, Aristid V.: *See*—
Snyder, John C., and Grosse.

Grosse, Aristid V., Haverford, and J. C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Methanol production. 2,492,983, Jan. 3.

Grosse, Aristid V., Haverford, and J. C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Organic reactions. 2,492,984, Jan. 3.

Grosse, Aristid V., Haverford, and J. C. Snyder, Darlington, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Oxidation of hydrocarbons in the presence of liquid catalytic films. 2,492,985, Jan. 3.

Gruden, John, Bergenfield, N. J. Foldable calendar blank. 2,493,134, Jan. 3.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for heat-treating propellers and the like. 2,493,135, Jan. 3.

Guerin, Henry, Elberon, N. J. Combined lathe tool holder and work stabilizer. 2,493,286, Jan. 3.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. 2,493,453, Jan. 3.

Gunter, Charles R., Norfolk, Va. Infant's dressing tray. 2,493,401, Jan. 3.

Gustafson, Charles S., San Mateo, Calif. Adjustable roller cutter for cutting food. 2,493,244, Jan. 3.

Habeshaw, John: *See*—
Birch, Stanley F., Habeshaw, and Collis.

Habig, Robert P., Bronxville, N. Y. Umbrella. 2,493,136, Jan. 3.

Hach, Clifford, Clifton, assignor to Kidde Manufacturing Co., Bloomfield, N. J. Composition for producing carbon dioxide from hydrogen and carbon containing compounds, and producing the same. 2,492,986, Jan. 3.

Hach, William: *See*—
Gehman, Harry, and Hach.

Haeff, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device employing resonators. 2,492,987, Jan. 3.

Hagy, James D., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Gas processing for the synthesis of hydrocarbons. 2,493,454, Jan. 3.

Hahn, Clarence J., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Connection between shafts and shaft mounted members. 2,493,402, Jan. 3.

Hair-Queen Dryer Cap Corp., assignee: *See*—
Sapp, Marion L.

Halt, Howard B., Philadelphia, Pa. Cup crusher. 2,493,193, Jan. 3.

Hakanson, Alfred, Alhambra, Calif. Control mechanism. 2,492,988, Jan. 3.

Hall, Lloyd A., Chicago, Ill., assignor to The Griffith Laboratories, Inc. Synergistic antioxidants and preparing the same. 2,493,288, Jan. 3.

Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Directive ultra high frequency antenna. 2,492,989, Jan. 3.

Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Plastic fishhook and shell holder. 2,493,344, Jan. 3.

Hamel, Lewis E., Co., Inc., assignee: *See*—
Hamel, Lewis E.

Hammond, Milton B., Edgeworth, and G. B. Bowman, assignors to Standard Steel Spring Company, Coraopolis, Pa. Solution for anodic polishing of steel and iron articles. 2,493,579, Jan. 3.

Hand, Clare R.: *See*—
Britton, Edgar C., and Monroe, and Hand.

Handel, Alfred J., Seattle, Wash., assignor to The Sperry Corporation, Great Neck, N. Y. Gyrohorizon. 2,492,992, Jan. 3.

Hanlon & Goodman Co., assignee: *See*—
Eisner, Robert S.

Hanna, Clinton R., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing system. 2,492,990, Jan. 3.

Hanna, Warren T., Natick, Mass. Snap hook with opening means. 2,492,991, Jan. 3.

Hansen, Edwin E., Astoria, Oreg. Hand disk projector. 2,493,245, Jan. 3.

Hansen, Klaus L., Milwaukee, Wis. Synchronous rectifier and inverter. 2,493,403, Jan. 3.

Hansen, William W., Palo Alto, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Voltage doubling circuits. 2,493,137, Jan. 3.

Harley, Earle L., Brooklyn, N. Y. Optical means for registering printing surfaces. 2,493,628, Jan. 3.

Harman, Denham, Berkeley, and H. J. Sommer, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Bituminous compositions. 2,492,994, Jan. 3.

Harmon, John G., Ansonia, assignor of one-half to J. J. Sharkey, Seymour, Conn. Combination measuring tape and pencil. 2,493,345, Jan. 3.

Harnischfeger Corporation, assignee: *See*—
Wendelburg, Frank W., and Brekelbaum.

Harris, George R., Montrose, Calif., assignor, by mesne assignments, to Zeigler-Harris & Co., Inc. Flatiron stand. 2,493,455, Jan. 3.

Harrison, Arthur E., Rockville Centre, N. Y., assignor to The Sperry Corporation. Tuning means for high-frequency devices. 2,492,993, Jan. 3.

Harshaw Chemical Company, The, assignee: *See*—
Porvasnik, John A.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
De Lange, Cornelis.
Dorgelo, Eduard G.
Kuperus, Jan.
Nemet, Anthony.

Harvey, Valentine P., and G. F. W. Powell, assignors to Molins Machine Company Limited, London, England. Arrangement for controlling the starting and stopping of machines. 2,493,670, Jan. 3.

Harvey-Wells Communications, Inc., assignee: *See*—
MacConnell, Charles W.

Haskins, Robert, Jr., Garden City, and C. E. Barkalow, Floral Park, N. Y., assignors to The Sperry Corporation. Erecting means for gyro verticals. 2,492,995, Jan. 3.

Hatfield, Milton L., Coldwater, Mich. Scooter. 2,493,287, Jan. 3.

Hathaway, Barbara H., Hollywood, Calif. Time teaching device. 2,493,138, Jan. 3.

Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Testing device for seismic signal apparatus. 2,493,534, Jan. 3.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Buffing stand. 2,493,289, Jan. 3.

Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Paul E.

Haxby, Robert O., Bellmore, N. Y., assignor to The Sperry Corporation. Tunable high-frequency cavity resonator. 2,492,996, Jan. 3.

Haynes, Charles L., Flintridge, assignor to C. F. Braun & Co., Alhambra, Calif. Expansion joint. 2,493,404, Jan. 3.

Haywood, Frederick W., and D. S. Laidler, assignors of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England. Furnace. 2,493,246, Jan. 3.

Hazzard, George P.: *See*—
Morgan, Thomas J., and Hazzard.

Hearne, Thomas P., assignor to The Ryan Aeronautical Co., San Diego, Calif. Positioning device. 2,493,290, Jan. 3.

Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Hollow steel propeller blade construction. 2,493,139, Jan. 3.

Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Shaft extension for electric motors. 2,493,140, Jan. 3.

Hedgpeth, Edward B., Salt Lake City, Utah. Dolly coupler for automotive vehicles. 2,493,405, Jan. 3.

Heilmann, William A., Orange, assignor to Newark Rivet Works, Newark, N. J. Hinge structure. 2,493,580, Jan. 3.

Heino, Arne W., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Manufacture of bonded fiber mats. 2,493,194, Jan. 3.

Hellefors Bruks Aktiebolag, assignee: *See*—
Kirsebom, Gustaf N.

Henderson, Ashland S., West Orange, N. J., and E. A. Beidler, Columbus, Ohio, assignors, by mesne assignments, to Henry L. Crowley & Company, Inc. Preparing a hydrated ferrous chloride in dry flake form. 2,493,629, Jan. 3.

Henne, Julius A., Rochester, assignor to Webster Industries, Inc., Webster, N. Y. Photographic shutter having a pivoted blade and cover blind. 2,493,195, Jan. 3.

Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning apparatus having an evaporative type condenser. 2,493,141, Jan. 3.

Henry, Robert L.: *See*—
Adams, Robert R., and Henry.

Herceg, Mike, Winnemucca, Nev. Masticator. 2,492,997, Jan. 3.

Hercules Fasteners, Inc., assignee: *See*—
Frank, Joseph J., and Macy.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Well logging detector calibration. 2,493,346, Jan. 3.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Voltage control and stabilizing circuits. 2,493,535, Jan. 3.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Voltage control and stabilizing circuits. 2,493,536, Jan. 3.

Hess, Howard V., Fishkill, assignor to The Texas Company, New York, N. Y. Azeotropic distillation of hydrocarbons with sulfur dioxide. 2,493,537, Jan. 3.

Hicks, George L., III, Cambridge, Md. Pneumatic rupture control garment. 2,493,406, Jan. 3.

Hill, George L., Oakland, Calif. High-voltage circuit breaker for distribution lines. 2,493,347, Jan. 3.

Hirsch, Charles, South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation. Machine for washing annular articles. 2,493,291, Jan. 3.

Hires, Charles E., Company, The, assignee: *See*—
Elkins, Vance V.

Hoffmann-La Roche Inc., assignee: *See*—
Aeschlimann, John A., and Stempel.
Bergel, Franz, and Cohen.
Goldberg, Moses W., and Teitel.
Scheibel, Edward G.
Schlapfer, Reinhard.
Solmssen, Ulrich V.
Tabenkin, Benjamin.

Hogan, Patrick J., New Haven, Conn. Railway car door protector. 2,493,720, Jan. 3.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Liquid pressure brake system with emergency air pressure operator. 2,493,196, Jan. 3.

Holophane Company, Inc., assignee: *See*—
Rolph, Thomas W.

Hood, Lawrence D., Lakewood, Colo. Device for actuating wall type switches. 2,493,581, Jan. 3.

Hoppe, Edgar B., assignor to St. Regis Paper Company, New York, N. Y. Bag with extensile sealed liner. 2,493,348, Jan. 3.

Hoppe, Edgar B., assignor to St. Regis Paper Company, New York, N. Y. Bag with extensile sealed liner and making same. 2,493,349, Jan. 3.

Hornbeck, Donald W., assignee: *See*—
Orshansky, Elias, Jr.

Horning, Raymond H., assignor to Oswego Falls Corporation, Fulton, N. Y. Container closure. 2,493,671, Jan. 3.

Hotchkiss, E. H., Company, The, assignee: *See*—
Peterson, Roy E.

Houdry Process Corporation, assignee: *See*—
Bland, Rophie E.
Grosse, Aristid V., and Snyder.
Lassiat, Raymond C.
Savage, Reuben T.
Savage, Reuben T., and McKinney.
Snyder, John C., and Grosse.

Houser, Harold, Waterloo, Iowa. Trip rope holder. 2,493,247, Jan. 3.

Howard, George E., Butler, Pa. Speed governor. 2,493,407, Jan. 3.

Howards & Sons Limited, assignee: *See*—
Goldberg, Alan A., and Kelly.

Hughes, James C., Baltimore, Md. Faucet and valve therefor. 2,493,248, Jan. 3.

Hughes, Thomas E.: *See*—
Tuck, Ralph, Hughes, and Rigby.

Hunt, Madison, Claymont, and H. W. Bradley, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N,n' - diacyl - tetrahydro-1,3,5-oxadiazines. 2,493,068, Jan. 3.

Hunt, Scott F., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,493,582, Jan. 3.

Hutton, Frederick C., Dallas, Tex. Fishhook extractor. 2,493,142, Jan. 3.

Hyman, Henry, assignee: *See*—
Muldoon, Bernard F.

Ihsen, Hulda M.: *See*—
Leonard, Joseph, and Ihsen.

Ilford Limited, assignee: *See*—
Kendall, John D., and Edwards.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.

Imperial Chemical Industries Limited, assignee: *See*—
Foster, Reginald T., and Bennett.
Rubenstein, Leon.

Ingels, Glenn R., Houston, Tex. Weld rod. 2,493,143, Jan. 3.

Inman, De Forest C., Clarkston, Mich. Sliding vane pump. 2,493,197, Jan. 3.

International Standard Electric Corporation, assignee: *See*—
Richards, Edward A.

Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal plate. 2,493,144, Jan. 3.

Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal apparatus. 2,493,145, Jan. 3.

Jantzen Knitting Mills, assignee: *See*—
Wittenberg, Margaret H.

Jaynes, Hal B., Lenoir, N. C. Lubrication apparatus for engines. 2,493,350, Jan. 3.

Jeandron, Howard T., assignee: *See*—
Foss, Frank A.

Jenkins, Ralph V., Salt Lake City, Utah. Doorstop. 2,493,292, Jan. 3.

Jennings, Andrew B.: *See*—
Ball, Joseph A., Jennings, and Murray.

Johnson, George L., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for hydrocarbon conversion. 2,493,672, Jan. 3.

Johnson, Henry A., Kansas City, Mo. Filling containers and apparatus therefor. 2,493,588, Jan. 3.

Jones, Harry S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Pressure type fire detecting system. 2,493,351, Jan. 3.

Jones & Laughlin Steel Corporation, assignee: *See*—
Markey, Bruce W.

Jones, Robert C.: *See*—
Francis, Charles E., and Jones.

Jordan, Wayne D., Chicago, and P. D. Van Vliet, Galesburg, assignors to Liquid Carbonic Corporation, Chicago, Ill. Two temperature refrigerator, including a humidity control system. 2,493,488, Jan. 3.

Joslyn Manufacturing and Supply Company, assignee: *See*—
Yonkers, Edward H.

Judisch, Carl H., assignor to The Whitney Blake Company, Hamden, Conn. Apparatus for molding cored articles from hot rubber and the like. 2,493,069, Jan. 3.

Juillard, Maurice E., Paris, France. Single or multiple key lock. 2,493,630, Jan. 3.

K & K Leather Goods Co., Inc., assignee: *See*—
Schwartzbard, Morris.

Kahlenberg, Herman H.: *See*—
Kahlenberg, James F. and H. H.

Kahlenberg, James F. and H. H., Sarasota, Fla. Machine for sealing ampoules and the like. 2,493,070, Jan. 3.

Kahoe, John J.: *See*—
Mayer, Joseph U., Kahoe, and Conrad.

Kaiser, Donald W.: *See*—
Thurston, Jack T., and Kaiser.

Kalman, Laszlo, La Tour-de-Peilz, Switzerland. Optical comparison exposure meter used in photographic enlarging or reproducing work. 2,493,673, Jan. 3.

Kalwo, Ludwig J., assignor to Trine Manufacturing Corporation, New York, N. Y. Electrical switch. 2,493,146, Jan. 3.

Kamrath, Herbert G., Gastonia, N. C., assignor to General Motors Corporation, Detroit, Mich. Air cleaner. 2,493,352, Jan. 3.

Karns, Sherman S., Fresno, Calif. Card filing system. 2,493,538, Jan. 3.

Kaser, Albert, Zug, Switzerland, assignor to Landis & Gyr A. G. Immersion temperature regulator with thermal reset. 2,493,456, Jan. 3.

Kasper, Cass S., Grosse Pointe, Mich. Work checking machine. 2,493,147, Jan. 3.

Kelco Company, assignee: *See*—
Steiner, Arnold B., and Miller.

Kelite Products, Inc., assignee: *See*—
Vance, Donald W.

Kelley, Frederick W., Jr., assignor to North American Cement Corporation, Catskill, N. Y. Producing lightweight aggregates. 2,493,198, Jan. 3.

Kellogg, M. W., Company, The, assignee: *See*—
Ashton, Everett H.
Lake, Francis G., and Ashton.
Mastriani, Elvin A., and Kulczycki.

Kelly, William: *See*—
Goldberg, Alan A., and Kelly.

Kemper, Harry C.: *See*—
Le Blond, Richard K., and Kemper.

Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Sulfur-containing carboxylic acid esters. 2,493,071, Jan. 3.

Kennedy, Ridgway, Jr., Drexel Hill, assignor to Abbotts Dairies, Incorporated, Philadelphia, Pa. Fruit mixing tank. 2,493,249, Jan. 3.

Kenure, John F., Feltham, and H. F. Whitmarsh, London, England. Plug and socket connection. 2,493,457, Jan. 3.

Kern, Edward A., Pittsfield, Mass., assignor to General Electric Company. Hydrogenated polymer of 2-vinyldibenzofuran. 2,493,584, Jan. 3.

Kerr, Henry H., Jackson, Mich., assignor to United States Rubber Company, New York, N. Y. Self-adjusting hydraulic brake mechanism. 2,493,250, Jan. 3.

Ketay, Morris F., Brooklyn, and J. R. Miller, Forest Hills, assignors to Bendix Aviation Corporation, Brooklyn, N. Y. Electrical follow-up system. 2,493,585, Jan. 3.

Keyser, Wilbur S., Hollywood, Calif. Hydraulic drive. 2,493,408, Jan. 3.

Khouri, Alfred S., and W. C. Fischer, Milwaukee County, assignors to Globe-Union Inc., Milwaukee, Wis. Electric circuit component. 2,493,199, Jan. 3.

Kidde Manufacturing Co., Inc., assignee: *See*—
Hach, Clifford.

Kiekhaefer, Elmer C., Cedarburg, Wis. Fluid lubricated planetary piston water pump. 2,493,148, Jan. 3.

Kiesling, LeRoy H., Bay Shore, N. Y. Vertical lift control system. 2,493,293, Jan. 3.

Killian, Donald B., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of improved thioindigo pigments. 2,493,072, Jan. 3.

Kinneen, William P., Dublin, Eire. Vaporizing or gasifying liquids. 2,493,073, Jan. 3.

Kirkpatrick, Willis B., Scarsdale, N. Y. Apparatus for making ice. 2,493,149, Jan. 3.

Kirsebom, Gustaf N., Riksby, assignor to Hellefors Bruks Aktiebolag, Hällefors, Sweden. Introducing bismuth into steel or iron baths. 2,493,251, Jan. 3.

Klause, Karl: *See*—
Mueller, William G., Klause, and Meier.

Knee, Simon, Newark, N. J. Wallet with auxiliary foldable pockets. 2,493,409, Jan. 3.

Koeln, Carl C., St. Louis County, Mo. Drain for vehicle ventilating windows. 2,493,674, Jan. 3.

Koenig, Ernest H., assignor to Freyn Engineering Company, Chicago, Ill. Checker assembly for stove construction. 2,493,458, Jan. 3.

Koppit, Raymond, and C. J. Davis, Jr., assignors to Armour and Company, Chicago, Ill. Method and apparatus for rendering fats. 2,493,459, Jan. 3.

Korody, Alexander, New York, N. Y. Compact holder and brush. 2,493,074, Jan. 3.

Kramers, William J.: *See*—
Bennett, John G., Greaves, Philipotts, Pirani, Kramers, and Foster.

Krements & Company, assignee: *See*—
Simpson, Harrison D.

Kroger, Frederick W., Trumbull, Nebr. Hoist. 2,493,150, Jan. 3.

Kron, Kenneth F., New Britain, Conn. Vehicle support. 2,493,295, Jan. 3.

Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,493,294, Jan. 3.

Kubelka, Karel: *See*—
Werner, Vilém, and Kubelka.

Kuehnel, William J., Bridgehampton, assignor of one-half to J. G. G. Merrow, New York, N. Y. Sweater construction. 2,493,675, Jan. 3.

Kulczycki, Karol: *See*—
Mastriani, Elvin A., and Kulczycki.

Kuperus, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Synchronizing signal separating circuit. 2,493,353, Jan. 3.

Kurzweil, Robert: *See*—
Casella, Secondo L., Kurzweil, and Pesqueira.

Labensky, Boris P., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Trilobe float. 2,493,296, Jan. 3.

La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch. 2,493,721, Jan. 3.

La Cour, Edgar J., assignor to Orchard Paper Company, St. Louis, Mo. Apparatus for folding paper sheets. 2,493,410, Jan. 3.

Laidler, Douglas S.: *See*—
Haywood, Frederick W., and Laidler.

Lake, Francis G., New York, N. Y., and E. H. Ashton, assignors to The M. W. Kellogg Company, Jersey City, N. J. Pick shaft assembly. 2,493,631, Jan. 3.

La Lande, William A., Jr., Upper Darby, and H. Green, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Setting and expanding agents for resins. 2,493,075, Jan. 3.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Variable polarizing color filter. 2,493,200, Jan. 3.

Landis & Gyr, A. G., assignee: *See*—
Fehr, Paul.
Kiser, Albert.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Orifice cleaning means. 2,493,297, Jan. 3.

Lanegan, Frederick E., and J. Tibble, assignors to W. H. Smith & Son Limited, London, England. Mechanism for feeding continuous stationery in recording machines. 2,493,411, Jan. 3.

Lang, Otto W., San Carlos, Calif. Canning tuna fish. 2,493,586, Jan. 3.

Lange, Frederick E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner safety and scavenging control. 2,493,412, Jan. 3.

Langley, Clarence E., Ottawa, Ontario, Canada. Necktie finisher. 2,493,252, Jan. 3.

Langlois, David P., and H. Wolff, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Pseudo esters of levulinic acid. 2,493,676, Jan. 3.

Langlykke, Asger F., Highland Park, and D. Perlman, Princeton, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Converting mannosidostreptomycin and dihydromannosidostreptomycin into streptomycin and dihydrostreptomycin respectively. 2,493,489, Jan. 3.

Larsen, Ruodlph H., San Francisco, and F. Bresee, Jr., San Mateo, assignors to F. Bresee, Jr., doing business as Balab, San Francisco, Calif. Spray residue removal composition and method. 2,493,460, Jan. 3.

Lassiat, Raymond C., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,492,998, Jan. 3.

Lassiat, Raymond C., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,492,999, Jan. 3.

Laurie, Kenneth S., assignor to J. Daiglish, Glasgow, Scotland. Apparatus for drying webs of material, especially stentering machines. 2,493,253, Jan. 3.

Lautenschlager, Harry G., Cincinnati, Ohio. Pressing iron holder. 2,493,201, Jan. 3.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Target for pickup tubes. 2,493,539, Jan. 3.

Lazarus, Meyer, Forest Hills, N. Y. Argentous rectifier. 2,493,076, Jan. 3.

Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Distributing valve for rock drills. 2,493,298, Jan. 3.

LeBlond, R. K., Machine Tool Co., The, assignee: *See*—
Le Blond, Richard K., and Kemper.

Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio. Hydraulic gear shifting mechanism. 2,493,299, Jan. 3.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Lubricating system. 2,493,490, Jan. 3.

Lee, Clarence O.: *See*—
McIver, DeWitt T., Lee, and Axelrad.

Lee, Leighton, II, Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,493,587, Jan. 3.

Leeds and Northrup Company, assignee: *See*—
Mead, Harold G.

Leonard, Joseph, and H. M. Ihsen, Allentown, Pa., assignors to Charis Corporation. Foundation garment. 2,493,722, Jan. 3.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Chuck. 2,493,300, Jan. 3.

Leupold, Marcus, assignor to Leupold & Stevens Instruments, Inc., Portland, Oreg. Telescope mount. 2,493,254, Jan. 3.

Leupold & Stevens Instruments, Inc., assignee: *See*—
Leupold, Marcus.

Lever Motors Corporation, assignee: *See*—
Chronic, Clarence C., and Shaffer.

Levers, William H., and R. H. Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America. Warp beam. 2,493,151, Jan. 3.

Lewis, Clay E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable splice testing apparatus. 2,493,077, Jan. 3.

Lewis, Wilmarth, trustee, assignee: *See*—
Morrison, Nathan H.

Ligett, Waldo B.: *See*—
McBee, Earl T., Robb, and Ligett.

Lillis, Stephen M., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Fluid seal. 2,493,255, Jan. 3.

Lilly, Eli, and Company, assignee: *See*—
Schonle, Horace A., and Shepard.

Lily-Tulip Cup Corporation, assignee: *See*—
Reifsnyder, James D.

Line Material Company, assignee: *See*—
Schultz, William O.

Link Aviation, Inc., assignee: *See*—
Decker, George A.

Link Manufacturing Company, Ltd., assignee: *See*—
Fish, Franklin A.

Linsley, Douglas F., Greenwich, Conn. Backlash take-up. 2,493,000, Jan. 3.

Lipe-Rollway Corporation, assignee: *See*—
Spase, Charles B.

Liquid Carbonic Corporation, assignee: *See*—
Jordan, Wayne D., and Van Vliet.

Lofstrand, Anders R., Jr., Silver Spring, Md. Tank and spray gun. 2,493,677, Jan. 3.

Lopez, Michael: *See*—
Minerva, John, and Lopez.

Loria, Walter J., New York, and J. Suhre, Richmond, N. Y. Electric blood pressure diagnostic device. 2,493,301, Jan. 3.

Losee, Kathryn A.: *See*—
Lott, William A., and Losee.

Lott, William A., Maplewood, and K. A. Losee, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Salt-type combinations of p-amino-methyl-benzene-sulfonamides and substituted p-amino-benzene-sulfonamides. 2,493,632, Jan. 3.

Lundius, Alton H., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Centerless grinding of elongated rollers that are curved lengthwise. 2,493,302, Jan. 3.

Lundkvist, Karl E., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Multiexchange telephone system. 2,493,256, Jan. 3.

Luxon, Lester L.: *See*—
Smith, Harold W., and Luxon.

Lynn, George E., assignor to The Dow Chemical Company, Midland, Mich. Powder distributor. 2,493,723, Jan. 3.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,001, Jan. 3.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,002, Jan. 3.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,003, Jan. 3.

Lyon Metal Products, Incorporated, assignee: *See*—
O'Connor, John B.

Lyophile-Cryochem Corporation, assignee: *See*—
Florsdorf, Earl W.

MacConnell, Charles W., assignor to Harvey-Wells Communications, Inc., Southbridge, Mass. Forming piezoelectric crystals. 2,493,461, Jan. 3.

MacDonald, Dennison H.: *See*—
McCoy, James L., and MacDonald.

Macek, Thomas J., Irvington, assignor to Merck & Co. Inc., Rahway, N. J. Making a fluid oil-beeswax vehicle for the parenteral administration of drugs. 2,493,202, Jan. 3.

Mackie, Alden W., assignor to R. W. Pointer, Portland, Oreg. Vehicle suspension. 2,493,004, Jan. 3.

MacMahon, Paul H., Alexandria, Va. Electric lamp. 2,493,491, Jan. 3.

Macy, James C.: *See*—
Frank, Joseph J., and Macy.

Madeksho, John J., Chicago, Ill. Fish box for boats. 2,493,203, Jan. 3.

Mahnke, Kurt, Pittsburgh, Pa., and E. B. Ankenman, Olathe, Kans., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric winch control system. 2,493,005, Jan. 3.

Malamut, Tessie, Brooklyn, N. Y. Baby moistureproof diaper protector. 2,493,492, Jan. 3.

Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass. Seal for spindles of vacuum valves. 2,493,152, Jan. 3.

Malkemus, John D.: *See*—
Clark, John R., and Malkemus.

Malme, Hugo E., Linden, N. J. Filter attachment for radiators. 2,493,257, Jan. 3.

Manista, Alexander: *See*—
Pareti, Lawrence Tony, and Manista.

Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), assignee: *See*—
Bourdon, Pierre Marcel.

Manufacture de Machines du Haut-Rhin, assignee: *See*—
Cuttat, Georges Emile.

Marano, Leonard, Brooklyn, N. Y. Support for electric heating apparatus. 2,493,541, Jan. 3.

Marathon Corporation, assignee: *See*—
Mueller, William G., Klause, and Meier.

Marchand, Adolph, Jackson Heights, N. Y. Automatic machine for decorating glass. 2,493,540, Jan. 3.

Mariano, Frank, Long Island, City, N. Y. Automobile parking system. 2,493,493, Jan. 3.

Mariani, John, New York, N. Y. Steam generating boiler. 2,493,678, Jan. 3.

Markey, Bruce W., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Apparatus, including a manually positioned upper die for shaping armature coils. 2,493,679, Jan. 3.

Marquette Metal Products Company, The, assignee: *See*—
Carey, Leroy J.

Marquette Metal Products Company, The, assignee: *See*—
Sacchini, Columbus R.

Mart, Leon T., Kansas City, Kans. Double-walled container. 2,493,633, Jan. 3.

Martin, Gustave J., Short Hills, N. J. Implement for severing corn kernels from cobs. 2,493,588, Jan. 3.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Heat recovery in a fluidized catalyst regeneration. 2,493,494, Jan. 3.

Martin, Margaret J., assignee: *See*—
Martin, Stoddard B.

Martin, Stoddard B., Cleveland, Ohio; Central National Bank of Cleveland, executor of said Stoddard B. Martin, deceased, assignor to Margaret J. Martin. Pusher. 2,493,680, Jan. 3.

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Method and apparatus for applying sheet linings to cylinders. 2,493,153, Jan. 3.

Martinelli, Raymond C.: *See*—
Boelter, Llewellyn M. K., Dunkle, and Gier, and Martinelli.

Massare, Quido P., Windham, Ohio. Camping trailer. 2,493,258, Jan. 3.

Mastriani, Elvin A., Newark, and Karol Kulczycki, assignors to The M. W. Kellogg Company, Jersey City, N. J. Lay guide. 2,493,634, Jan. 3.

Mattel Creations, Inc., assignee: *See*—
Dunca, Theodore, R.

Mauer, Frederick, Matawan, N. J. Barrel cover locking means. 2,493,204, Jan. 3.

Mavrakis, Gus H., Billings, Mont. Shoe. 2,493,154, Jan. 3.

Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Tube expander. 2,493,006, Jan. 3.

May, Thomas Lestler, assignor, by mesne assignments, to Reliance Hydraulic Press, Inc., New York, N. Y. Clutch and brake mechanism for presses. 2,493,495, Jan. 3.

Mayer, Joseph Urban, J. J. Kehoe and E. L. Conrad, Waterloo, Iowa. Ball cleaning machine and method. 2,493,681, Jan. 3.

Mayhew, Raymond Lemuel, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Quick-drying writing inks. 2,493,724, Jan. 3.

Mazzeno, Laurence W., Jr.: *See*—
Reid, John David, Ward, Jr., and Mazzeno, Jr.

McBee, Earl T., La Fayette, Ind., R. M. Robb, Wilmington, Del., and W. B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of unsaturated halocarbons with cerium tetrafluoride. 2,493,007, Jan. 3.

McBee, Earl T., La Fayette, Ind., R. M. Robb, Wilmington, Del., and W. B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of unsaturated halocarbons with cerium tetrafluoride. 2,493,008, Jan. 3.

McBee, Earl T., and J. S. Newcomber, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Preparation of pentachlorocyclopentenone. 2,493,009, Jan. 3.

McCaskell, William Moore, Kilgore, Tex. Transparent brooder. 2,493,589, Jan. 3.

McCoy, James L., La Canada, Calif., and D. H. MacDonald, East Haven, assignors to Revere Corporation of America, Wallingford, Conn. Mechanical device for converting direct current into high-frequency alternating current. 2,493,354, Jan. 3.

McCoy, Robert, New York, N. Y. Food grater having rotary drum. 2,493,496, Jan. 3.

McCready, Wesley K., and Anton Schormuller, assignors to Clifton Products, Inc., Painesville, Ohio. Furnace. 2,493,304, Jan. 3.

McCullough, Russell H., Los Angeles, Calif. Opera chair. 2,493,303, Jan. 3.

McDermott, Terence, John: *See*—
Anderson, Eric W., and McDermott.

McDonald, William E., Salt Lake City, Utah. Track layout for loading and unloading. 2,493,010, Jan. 3.

McGraw Electric Company, assignee: *See*—
McGraw, Max.

McGraw, Max, Chicago, assignor to McGraw Electric Company, Elgin, Ill. Electric heating unit. 2,493,542, Jan. 3.

McIver, De Witt T., and C. O. Lee, New Orleans, La., and B. A. Axelrad, Freeport, Tex., assignors to Freeport Sulphur Company, New York, N. Y. Mining of sulfur. 2,493,413, Jan. 3.

McKellip, Spencer W., Wynnewood, Pa., assignor to Radio Corporation of America. Automatic selector mechanism. 2,493,635, Jan. 3.

McKinney, Arthur Cleveland, Fort Worth, Tex. Clothespin. 2,493,305, Jan. 3.

McKinney, Dwight D.: *See*—
Savage, Reuben T., and McKinney.

McMillan, William R., Library, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Apparatus for treating skin diseases. 2,493,155, Jan. 3.

McMorris, Helen C., administratrix: *See*—
McMorris, John.

McMorris, John, deceased, late of Pasadena, Calif., by Helen C. McMorris, administratrix, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of War. Partial burning apparatus. 2,493,725. Jan. 3.

Mead, Harold G., Bronxville, N. Y., assignor to Leeds and Northrup Company, Philadelphia, Pa. Immersion unit for radiation pyrometers. 2,493,078, Jan. 3.

Meehan, John P., San Gabriel, Calif. Folding chair. 2,493,682, Jan. 3.

Meier, Anton M.: *See*—
Mueller, William G., Klause, and Meier.

Meisler, Sidney S., New York, N. Y. Dust collector. 2,493,156 Jan. 3.

Melchior, Hubert E.: *See*—
Merralls, Charles N., and Melchior.

Meltzer, Jack, New York, N. Y. Making slip-lasted shoes with a counter cover element. 2,493,497, Jan. 3.

Menaul, Paul L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Inhibiting corrosion in wells. 2,493,462, Jan. 3.

Merchant, Charles J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Monitoring system of comparator type. 2,493,543, Jan. 3.

Mercier, Ernest and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Free-piston compressor. 2,493,355, Jan. 3.

Mercier, Ernest and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Apparatus for removing dust from gases. 2,493,356, Jan. 3.

Merck & Co. Inc., assignee: *See*—
Macek, Thomas J.

Merralls, Charles N., and H. Melchior, Los Angeles, Calif. Treadle switch. 2,493,157, Jan. 3.

Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S., and Wheeler.

Merrow, John G. G., assignee: *See*—
Kuehnel, William J.

Meyercord Co., The, assignee: *See*—
Brownlee, Kenneth H.

Meyerhans, August, Rieden, near Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Transformer with regulating choke coils. 2,493,683, Jan. 3.

Miller, Aaron: *See*—
Steiner, Arnold B., and Miller.

Miller, Joseph R.: *See*—
Ketay, Morris F., and Miller.

Miller, Rubia L., National City, Calif. Undergarment. 2,493,357, Jan. 3.

Miller, Stewart E., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillator power output maximizing system. 2,493,011, Jan. 3.

Mills, Hiram Lawrence, Texas, Tex. Combined slide projector case and mounting with forced air cooling device. 2,493,636, Jan. 3.

Mills, Irwin F., Associates, assignee: *See*—
Beder, Samuel L.

Mine Safety Appliances Company, assignee: *See*—
McMillan, William R.

Minerva, John, and M. Lopez, Brooklyn, assignors to Pressure Coffee Maker's Corporation, New York, N. Y. Rapid coffee maker. 2,493,306, Jan. 3.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Crum, Stephen, and Sandhoff.
Kronmiller, Carl G.
Lange, Frederick E.
Odell, Malcolm P.
Simson, Adolf P.

Minton, Leslie A., Portland, Oreg. Detachable electric light fixture. 2,493,684, Jan. 3.

Miskovsky, Anton: *See*—
Zimic, Michael, and Miskovsky.

Mitchell, Harold R., Bemidji, Minn. Automobile clothes hanger support. 2,493,158, Jan. 3.

Moler, Harvey T., Detroit, Mich. Ventilating device for automobiles. 2,493,685, Jan. 3.

Molins Machine Company Limited, assignee: *See*—
Harvey, Valentine P., and Powell.

Monroe, Ezra: *See*—
Britton, Edgar C., and Monroe, and Hand.

Mooney, Melvin, Lake Hiawatha, N. J., assignor to United States Rubber Company, New York, N. Y. Controlling thread tension. 2,493,259, Jan. 3.

Moore, Charles S., Cleveland, F. Voss, Lakewood, and A. E. Biermann, Cleveland, Ohio. Balanced-diaphragm dynamometer torque indicator. 2,493,012, Jan. 3.

Moore Electronic Laboratories, Inc., assignee: *See*—
Moore, Raymond D., and Bordewieck.

Moore, George L., and J. R. Steele, Owego, N. Y., assignors, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,493,686, Jan. 3.

Moore, Inc., assignee: *See*—
Mercier, Ernest, and Ehlinger.

Moore, Raymond D., Worcester, and R. W. Bordewieck, Wellesley, assignors, by mesne assignments, to Moore Electronic Laboratories, Inc., Worcester, Mass. Electric circuit for automobile lighting systems. 2,493,307, Jan. 3.

Morey Machinery Co., Inc., assignee: *See*—
Casella, Secondo L., Kurzweil, and Pesqueira.

Morgan, Thomas J., and G. P. Hazzard, assignors to Ampro Corporation, Chicago, Ill. Lens focusing and adjusting device. 2,493,463, Jan. 3.

Morin, Louis H., Bronx, N. Y. Scoop for separable fastener stringers. 2,493,308, Jan. 3.

Morin, Louis H., Bronx, N. Y. Separable fastener stringer. 2,493,309, Jan. 3.

Morley, Frederick W. W., Aston-on-Trent, assignor to Rolls-Royce Limited, Derby, England. Bearing for turbines and the like. 2,493,160, Jan. 3.

Morris Machine Works, assignee: *See*—
Sochia, George.

Morris, Rupert C.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Morrison, Montford, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y. Making cores for electrical apparatus. 2,493,414, Jan. 3.

Morrison, Nathan H., Lowell, Mass., assignor, by mesne assignments, to W. Lewis, as trustee. Apparatus for removing a protective sheet from a card aperture and for mounting a selected microfilm therein. 2,493,159, Jan. 3.

Morton Gregory Corporation, assignee: *See*—
Evans, Charles S.

Morway, Arnold J.: *See*—
Zimmer, John C., and Morway.

Motor Wheel Corporation, assignee: *See*—
Van Halteren, Andrew S.

Mott, Chester, Evanston, and A. F. Chouinard, assignors to National Cylinder Gas Company, Chicago, Ill. Motor speed control. 2,493,079, Jan. 3.

Mott, Harvey C., Adairsville, Ga. Hoisting device for line poles. 2,493,687, Jan. 3.

Moyer, Wendell W.: *See*—
Wolff, Hans, and Moyer.

Mueller, William G., Neenah, K. Klause, Appleton, and A. M. Meier, Menasha, assignors to Marathon Corporation, Rothschild, Wis. Apparatus for positioning cores. 2,493,590, Jan. 3.

Muldoon, Bernard F., Caldwell, N. J., assignor to H. Hyman, New York, N. Y. Portable electric flashlight. 2,493,205, Jan. 3.

Mullins Manufacturing Corporation, assignee: *See*—
Clark, Carl L.

Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Stabilization of xylidine. 2,493,544, Jan. 3.

Murray, Alan E., New York, N. Y. Making form-retaining materials and products thereof. 2,493,310, Jan. 3.

Murray, Otis W.: *See*—
Ball, Joseph A., Jennings, and Murray.

Musher Foundation Incorporated, assignee: *See*—
Musher, Sidney.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Free-flowing food compositions. 2,493,080, Jan. 3.

Muyleart, Raymond J., Montreal, Quebec, Canada. Midriff attached garment ensemble. 2,493,545, Jan. 3.

National Cylinder Gas Company, assignee: *See*—
Candy, Albert M.
Motto, Chester, and Chouinard.

National Lead Company, assignee: *See*—
Blumenthal, Warren B.

Navin, John E., Lombard, Ill. Forming sheet metal gutters. 2,493,415, Jan. 3.

Navy, United States of America as represented by the Secretary of, assignee: *See*—
Burger, Michael J., Collins, and Cosler, Jr.

Negbaur, Dorothy B., assignee: *See*—
Negbaur, Harry.

Negbaur, H., & Co., assignee: *See*—
Negbaur, Harry.

Negbaur, Harry, assignor to H. and D. B. Negbaur, doing business as H. Negbaur & Co., New York, N. Y. Table lighter. 2,493,081, Jan. 3.

Negri, Mario, Rome, assignor to Societa A. Gazzoni & Co., Bologna, Italy. Odontalgic device. 2,493,416, Jan. 3.

Nehrke, Charles, New York, N. Y. Electric motor. 2,493,082, Jan. 3.

Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Control apparatus and switch therefor. 2,493,464, Jan. 3.

Nelson, William, U. S. Navy. Airplane launching device. 2,493,013, Jan. 3.

Nelson, William, U. S. Navy. Liquid turbine airplane catapult. 2,493,014, Jan. 3.

Nemet, Anthony, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. X-ray apparatus. 2,493,161, Jan. 3.

Newark Rivet Works, assignee: *See*—
Hellmann, William A.

Newcomer, Jack S.: *See*—
McBee, Earl T., and Newcomer.

Newton, Alwin B., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Stoker alarm and control. 2,493,591, Jan. 3.

Newton, George C., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Gyro antitumbling device. 2,493,015, Jan. 3.

Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of aliphatic nitriles. 2,493,637, Jan. 3.

Niles-Bement-Pond Company, assignee: *See*—
Drake, Alden M.
Durkee, Henry E.
Hunt, Scott F.
Lee, Leighton H.

North American Cement Corporation, assignee: *See*—
Kelley, Frederick W., Jr.

Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tutch-Latch Company, New York, N. Y. Latching device with stamped catch. 2,493,016, Jan. 3.

Nutter, Ervin J., Dayton, Ohio. Grid spray nozzle. 2,493,017, Jan. 3.

Och, Henry G.: *See*—
Boghosian, William H., Darlington, and Och.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Ironing table with foldable legs. 2,493,018, Jan. 3.

O'Day, Cortland N., Port Washington, assignor to Air Devices, Inc., New York, N. Y. Air filtering media. 2,493,726, Jan. 3.

Odell, Malcolm P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric temperature sensing device. 2,493,311, Jan. 3.

Office Technique International (O. T. I.), assignee: *See*—
Vandier, Jacques.

Ohio Boxboard Company, The, assignee: *See*—
Yarman, Paul J.

O'Keefe and Merritt Company, assignee: *See*—
Brainard, Maurice W.

Okey, Perry, assignor to Perry-Lowell & Co., Columbus, Ohio. Lens grinding and polishing machine. 2,493,206, Jan. 3.

Olds, Allan M., Los Angeles, Calif. Self-locking, sliding door track. 2,493,162, Jan. 3.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Synthetic reverberation system. 2,493,638, Jan. 3.

Olson, Lawrence J.: *See*—
Dinesen, Laurits, and Olson.

Olvis, James E., Glendale, Calif. Spring hinge. 2,493,019, Jan. 3.

Orchard Paper Company: *See*—
La Cour, Edgar J.

Orr, Clifford M.: *See*—
Boardman, Harry C., Goldsby, and Orr.

Orser, Harvey E., Pontiac, Mich. Multiple view safety mirror. 2,493,546, Jan. 3.

Orshansky, Elias, Jr., Stamford, Conn., assignor to D. W. Hornbeck, Cleveland, Ohio. Apparatus for effecting speed changes in mechanical transmissions. 2,493,417, Jan. 3.

Orshansky, Elias, Jr., Cleveland, assignor to D. W. Hornbeck, Shaker Heights, Ohio. Variable-speed transmission. 2,493,418, Jan. 3.

Osdal, Le Verne K., Upper Darby, and R. E. Pike, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin metallic enamels. 2,493,020, Jan. 3.

O'Shei, William E., London, England. Vehicle direction indicator. 2,493,688, Jan. 3.

Oswald, James A., assignor to Central Commercial Company, Chicago, Ill. Musical instrument. 2,493,358, Jan. 3.

Oswego Falls Corporation, assignee: *See*—
Horning, Raymond H.

Otis Elevator Company, assignee: *See*—
Bruns, William H.
Sahlin, Eric A.

Oxley, Douglas A. J., Banbury, England. Electric switchgear. 2,493,689, Jan. 3.

Owens, Austin P., Highland Park, Mich. Slotting attachment for machine tools. 2,493,021, Jan. 3.

Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Fire-resisting cabinet construction. 2,493,690, Jan. 3.

Painter, Erle V., Jr., Newtonville, assignor to Fabric Research Laboratories, Inc., Boston, Mass. Wet spinning of textile fibers. 2,493,359, Jan. 3.

Paolella, Alfred: *See*—
Paolella, Philip and Alfred.

Paolella, Philip and Alfred, assignors to Plasticrete Corporation, Hamden, Conn. Building block. 2,493,547, Jan. 3.

Pappas, Phillip M., Houston, Tex. Dishwashing machine. 2,493,691, Jan. 3.

Paquette, Cyril T., and L. B. Webb, assignors to Corning Glass Works, Corning, N. Y. Feeding glass. 2,493,260, Jan. 3.

Pareti, Lawrence T., and A. Manista, Clifton, N. J. Spinning lure for fish. 2,493,692, Jan. 3.

Parke, Davis & Company, assignee: *See*—
Tillitson, Edward W.

Parker, Humphrey F., Kenmore, and E. E. Robins, assignors to Columbus-McKinnon Chain Corporation, Tonawanda, N. Y. Hand hoist. 2,493,727, Jan. 3.

Parkinson, Alfred E., East Lansdowne, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Mica product and making the same. 2,493,693, Jan. 3.

Parkman, Howard C.: *See*—
Dunn, Holbert E., Rathmann, and Parkman.

Pascoo, Alex, Bronx, N. Y. Collapsible bed, crib, and the like. 2,493,083, Jan. 3.

Patent Scaffolding Co., Inc., The, assignee: *See*—
Geer, Hobart S.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of insoles. 2,493,207, Jan. 3.

Payne, Ralph V., Washington, D. C. Hoisting tower. 2,493,695, Jan. 3.

Peabody, Donald C., Yeadon, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Selector gear and throttle interlock. 2,493,592, Jan. 3.

Peach, Edmund R.: *See*—
Bowyer-Lowe, Albert C., and Peach.

Pearson, Harry A., Mount Vernon, assignor to Sonotone Corporation, Elmsford, N. Y. Magnetic insert earphone insertable in the ear of the user. 2,493,734, Jan. 3.

Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Heating method and apparatus. 2,493,498, Jan. 3.

Pellegrini, Philip, Glendale, Calif. Folding vehicle step. 2,493,639, Jan. 3.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
La Lande, William A., Jr., and Green.

Perfection Manufacturing Corporation, assignee: *See*—
Dinesen, Laurits, and Olson.

Perlman, David: *See*—
Langlykke, Asger F., and Perlman.

Permanente Metals Corporation, The, assignee: *See*—
Woodward, Teynham.

Perry-Lowell & Co., assignee: *See*—
Okey, Perry.

Perry, Stephen F., Roselle, N. J., assignor to Standard Oil Development Company. Pretreating hydrocarbons to be isomerized. 2,493,499, Jan. 3.

Persson, Per, assignee: *See*—
Persson, Richard B.

Persson, Richard B., assignor of one-half to P. Persson, Chicago, Ill. Power-driven conveyer. 2,493,465, Jan. 3.

Pesqueira, Juventino J.: *See*—
Casella, Secondo L., Kurzweil, and Pesqueira.

Peterson, Elbert A.: *See*—
Ballard, Seaver A., Finch, and Peterson.

Peterson, Joel D., Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Damped servo system. 2,493,593, Jan. 3.

Peterson, Roy E., assignor, by mesne assignments, to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,493,640, Jan. 3.

Pharo, William E., Maplewood, N. J. Collapsible beach fisherman's chair. 2,493,084, Jan. 3.

Philips Laboratories, Inc., assignee: *See*—
Espersen, George A.

Phillips Petroleum Company, assignee: *See*—
Bergen, Daniel E.
Schulze, Walter A., and Crouch.

Phillips Tutch-Latch Company, assignee: *See*—
Nottingham, Ralph K.

Phillpotts, George C.: *See*—
Bennett, John G., Greaves, Phillpotts, Pirani, Kramers, and Foster.

Pike, Ralph E.: *See*—
Osdal, Le Verne K., and Pike.

Pincus, Sidney L., Brooklyn, N. Y. Combination pouch shopping bag. 2,493,085, Jan. 3.

Pirani, Marcello: *See*—
Bennett, John G., Greaves, Phillpotts, Pirani, Kramers, and Foster.

Pittsburgh Plate Glass Company, assignee: *See*—
Gerhart, Howard L.

Plasticrete Corporation, assignee: *See*—
Paolella, Philip, and Alfred.

Pointer, Robert W., assignee: *See*—
Mackie, Alden W.

Pointer, Robert W., Portland, Oreg. Oscillating axle suspension. 2,493,022, Jan. 3.

Pointer, Robert W., Portland, Oreg. Resilient oscillating axle suspension. 2,493,023, Jan. 3.

Pointer, Robert W., Portland, Oreg. Dual beam vehicle suspension. 2,493,024, Jan. 3.

Pointer, Robert W., Portland, Oreg. Beam suspension for vehicles. 2,493,025, Jan. 3.

Pointer, Robert W., Portland, Oreg. Resilient suspension for vehicles. 2,493,026, Jan. 3.

Polaroid Corporation, assignee: *See*—
Grey, David S.
Land, Edwin H.

Pollock, Mark, and E. Zerner, assignors to Sun Chemical Corporation, New York, N. Y. Materials for imparting water repellency to textile materials and producing and using the same. 2,493,360, Jan. 3.

Poor & Company, assignee: *See*—
Moore, George L., and Steele.

Porter, Daryl W., and O. F. Roehler, Zanesville, Ohio; said Porter assignor to said Roehler. Posthole digger. 2,493,261, Jan. 3.

Porvasnik, John A., Westlake, assignor to The Harshaw Chemical Company, Elyria, Ohio. Preparing basic salt compositions. 2,493,262, Jan. 3.

Potstada, George, Oakland, Calif.; M. Potstada, administratrix of said G. Potstada, deceased. Air operated sheare. 2,493,696, Jan. 3.

Potstada, Magdalena, administratrix: *See*—
Potstada, George.

Powell, Gordon F. W.: *See*—
Harvey, Valentine P., and Powell.

Prehn, Henri, Roslyn, assignor to Associated Development and Research Corporation, New York, N. Y. Tire chain and attachment means therefor. 2,493,263, Jan. 3.

Presser, Eric A. F., East Chicago, Ind. Stuffing box lubrication. 2,493,312, Jan. 3.

Pressure Coffee Maker's Corporation, assignee: *See*—
Minerva, John, and Lopez.

Presto Lighters Limited, assignee: *See*—
Fortin, Charles A.

Price, Lewis T., Tulsa, Okla. Adjustable stilt. 2,493,027, Jan. 3.

Proctor, William E., Baltimore, Md. Boiler level alarm system. 2,493,548, Jan. 3.

Production Instrument Company, assignee: *See*—
Nelson, Martin L.

Puffer, Joseph M., Melrose, Mass. Switch for floor lamps. 2,493,419, Jan. 3.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Newcomer.

Putt, Donald R., Jersey City, N. J. Instrument for testing tachometers and speedometers. 2,493,028, Jan. 3.

Putz, Thomas J., Upper Darby, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,493,641, Jan. 3.

Pye Limited, assignee: *See*—
Bowyer-Lowe, Albert C., and Peach.

Rabe, William, Los Angeles, Calif. Indicator. 2,493,313, Jan. 3.

Raczkowski, Edward, Bronx, N. Y. Profile building puzzle. 2,493,697, Jan. 3.

Radford, George T.: *See*—
Devine, John U., Radford, and Gettig.

Radio Corporation of America, assignee: *See*—
Bartelson, Sten E.
Bliss, Warren H.
Brenkert, Karl.
Crosby, Murray G.
Estuchen, Frank G.
Gluyas, Thomas M., Jr.
Grosdoff, Igor E.
Haeff, Andrew V.
Law, Harold B.
McKellip, Spencer W.
Olson, Harry F.
Sachtleben, Lawrence T.
Simpson, Kenneth H.
Smith, William F.
Spooner, John M., and Garner.
Sproull, Robert L.
Sussman, Harry.
Vasselli, Anthony J.
Wehner, Robert S.
Wolff, Irving.

Radke, Carrol V., assignee: *See*—
Adams, Mozel A.

Rahn, Stewart R.: *See*—
Cohen, Louis, and Rahn.

Rainville, Arthur E.: *See*—
Russell, Mark, and Rainville.

Ramberg, Walter, Chevy Chase, Md. Electric dynamometer. 2,493,029, Jan. 3.

Randol, Glenn T., St. Louis, Mo. Vehicle power drive control system. 2,493,030, Jan. 3.

Rankin, Elizabeth H., Lawrence, Kans. Collapsible hat. 2,493,500, Jan. 3.

Ranney, Herbert H., and R. W. Brown, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Cam mechanism for variable length throw. 2,493,420, Jan. 3.

Rathmann, Heinrich W.: *See*—
Dunn, Holbert E., Rathmann, and Parkman.

Rausing, Ruben, Lund, Sweden. Transport container. 2,493,163, Jan. 3.

Records, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Movable form for concrete masses. 2,493,264, Jan. 3.

Red Devil Tools, assignee: *See*—
Schueller, Frank R.

Reece, Asa C., Charleston, S. C. Jar lifter. 2,493,314, Jan. 3.

Reed, Wesley W., Hammond, Ind., assignor to Whiting Corporation, Harvey, Ill. Bottom tap foundry ladle having tap rod raising and lowering mechanism with laterally adjustable actuating lever. 2,493,594, Jan. 3.

Reid, John D., W. K. Ward, Jr., New Orleans, La., and L. W. Mazzeno, Jr., U. S. Army, assignors to the United States of America as represented by the Secretary of Agriculture. Prevention of degradation of textile fibers by acids. 2,493,031, Jan. 3.

Reifsnyder, James D., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Snap-on-cover. 2,493,086, Jan. 3.

Reinmuller, Gustav, Union City, N. J. Reversible window. 2,493,501, Jan. 3.

Reliance Hydraulic Press, Inc., assignee: *See*—
May, Thomas L.

Reman, Gerrit H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Refining hydrocarbon oils. 2,493,596, Jan. 3.

Remington Rand Inc., assignee: *See*—
Wolters, Carl F.

Renne, William C., Jr., Kansas City, Mo. Gum tape applier. 2,493,502, Jan. 3.

Renne, William C., Kansas City, Mo. Clothespin. 2,493,503, Jan. 3.

Renshaw, Edward S., Upminster, and S. J. Sargood, Ilford, England, assignors to Ford Motor Company, Dearborn, Mich. Cupola type furnace. 2,493,642, Jan. 3.

Republic Steel Corporation, assignee: *See*—
Criswell, James L.

Revere Corporation of America, assignee: *See*—
McCoy, James L., and MacDonald.

Rheinfrank, George B., Jr., Perrysburg, Ohio. Gridded core material and method. 2,493,032, Jan. 3.

Richards, Edward A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal rectifier of the selenium type. 2,493,643, Jan. 3.

Rider, Harry N., assignor, by mesne assignments, to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure releasing device. 2,493,644, Jan. 3.

Rieger Manufacturing Company, The, assignee: *See*—
Rieger, Nelson M.

Rieger, Nelson M., Montgomery County, assignor to The Rieger Manufacturing Company, Miamiburg, Ohio. Rotatable spray head. 2,493,595, Jan. 3.

Rigby, Arthur U.: *See*—
Tuck, Ralph, Hughes, and Rigby.

Ritter Company, Inc., assignee: *See*—
Morrison, Montford.

Robb, Richard M.: *See*—
McBee, Earl T., Robb, and Ligett.

Roberts, Sarah B., Los Angeles, Calif. Hat and constructional element therefor. 2,493,361, Jan. 3.

Roberts, William H., Dallas, Tex. Pipe-line cleaner loading and cleanout device. 2,493,504, Jan. 3.

Robins, Erford E.: *See*—
Parker, Humphrey F., and Robins.

Roc-a-Ride Corporation, assignee: *See*—
Williams, Harry S.

Rocker, Elmer, Shaker Heights, assignor to Century Plastic Products, Inc., Cleveland, Ohio. Toilet seat. 2,493,362, Jan. 3.

Roehler, Otto F.: *See*—
Porter, Daryl W., and Roehler.

Rohm & Haas Company, assignee: *See*—
Niederhauser, Warren C.
Rothrock, David A., Jr., and Conyne.

Rolfsen, Ole, Oslo, Norway. Rotating sintering apparatus. 2,493,421, Jan. 3.

Rolls-Royce Limited, assignee: *See*—
Morley, Frederick W. W.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Street lighting luminaire. 2,493,087, Jan. 3.

Rose, William R., Arlington, Va. Dust clog indicator. 2,493,164, Jan. 3.

Ross, John: *See*—
Clark, John R., Malkemus, and Ross.

Rothrock, David A., Jr., and R. F. Conyne, assignors to Rohm & Haas Company, Philadelphia, Pa. Use of phosphite esters in the stabilization of linear polyamides. 2,493,597, Jan. 3.

Rozek, Louis M., Berlin, N. H. Self-retaining abdominal retractor. 2,493,598, Jan. 3.

Rubenstein, Leon, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Preparation of basic lead salts of 2:4 dinitro resorcinol. 2,493,549, Jan. 3.

Rubenstein, Leon, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Preparation of basic lead salts of 2:4 dinitro resorcinol. 2,493,550, Jan. 3.

Rubenstein, Leon, Saltcoats, Scotland, assignor to Imperial Chemical Industries, Limited. Production of normal lead dinitroresorcinate. 2,493,551, Jan. 3.

Ruka, William, Racine, Wis. Coaster pan. 2,493,315, Jan. 3.

Russell, Mark, Beverly, and A. E. Rainville, Arlington, Mass. Attachment for metal cutting machines. 2,493,033, Jan. 3.

Russell, Stanley A., Baldwin, assignor of one-third to W. A. Campbell, Valatie, N. Y. Cable release for camera shutters. 2,493,728, Jan. 3.

Ryan Aeronautical Co., The, assignee: *See*—
Hearne, Thomas P.

Sabins, Rolland C., Seattle, Wash. Hatch cover fastener. 2,493,034, Jan. 3.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Windshield wiper mechanism. 2,493,552, Jan. 3.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Photographic sound recording aperture. 2,493,088, Jan. 3.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Monitoring system for sound recording. 2,493,089, Jan. 3.

Sahlin, Eric A., Harrington Park, N. J., assignor to Otis Elevator Company, New York, N. Y. Safety apparatus for elevators. 2,493,553, Jan. 3.

St. Regis Paper Company, assignee: *See*—
Hoppe, Edgar B.

Sampsel Time Control, Inc., assignee: *See*—
Fuchs, William F.

Sandhoff, Harry W.: *See*—
Crum, Stephen, and Sandhoff.

Sapp, Marion L., Long Beach, assignor to Hair-Queen Dryer Cap Corp., Los Angeles, Calif. Hair-drying cap. 2,493,363, Jan. 3.

Sargood, Sidney J.: *See*—
Renshaw, Edward S., and Sargood.

Sartin, Hansel, Slaton, Tex. Cotton stripper having auxiliary pneumatic means. 2,493,422, Jan. 3.

Savage, Reuben T., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,493,035, Jan. 3.

Savage, Reuben T., Ridley Park, and D. D. McKinney, Drexel Hill, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for minimizing deposition of carbonaceous material. 2,493,036, Jan. 3.

Schaefer, Charles F., Norwalk, Conn. Margin gluing machine. 2,493,165, Jan. 3.

Scheibel, Edward G., assignor to Hoffmann-La Roche Inc., Nutley, N. J. Extraction apparatus. 2,493,265, Jan. 3.

Schläpfer, Reinhard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Nicotinic acid-β-picolyl-amide and the manufacture thereof. 2,493,645, Jan. 3.

Schmidt, Knud E. A., Copenhagen, Denmark. Foldable reclining chair. 2,493,646, Jan. 3.

Schmitt, George P., assignor to Cardinal Products Inc., New York, N. Y. Catalytic device. 2,493,266, Jan. 3.

Schmitz, Henry A., Jr., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Foam skimmer. 2,493,166, Jan. 3.

Schoene, Dwight L., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Polymeric addition products of reactive methylenic compounds and sulfone-activated ethylenic compounds. 2,493,364, Jan. 3.

Scholfield, Richard P., New York, N. Y., assignor to Wheeldex Manufacturing Co. Inc. Filing apparatus. 2,493,167, Jan. 3.

Scholl, William M., Chicago, Ill. Mounting and mounting assembly for adhesived articles. 2,493,267, Jan. 3.

Schormuller, Anton: *See*—
McCready, Wesley K., and Schormuller.

Schramm, Frederic B., Garden City, N. Y. Control system. 2,493,365, Jan. 3.

Schroeder, Walter J., Cincinnati, Ohio. Single-row fertilizer applicator. 2,493,599, Jan. 3.

Schroth, Edward L., Cheviot, assignor to The Baldwin Company, Cincinnati, Ohio. Piano fall-board. 2,493,168, Jan. 3.

Schueller, Frank R., Cincinnati, Ohio, assignor to Red Devil Tools, Irvington, N. J. Handle construction for sandpaper holders. 2,493,505, Jan. 3.

Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Electrical cutout. 2,493,316, Jan. 3.

Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Electrical cutout. 2,493,317, Jan. 3.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Copolymerizing butadiene and styrene. 2,493,268, Jan. 3.

Schwartz, Francis A., Bradford, Pa. Thimble grip swivel bar for guitars. 2,493,698, Jan. 3.

Schwartzbard, Morris, assignor to K & K Leather Goods Co., Inc., New Brunswick, N. J. Reversible handbag having twin handbag portions. 2,493,506, Jan. 3.

Schweizerische Industrie-Gesellschaft, assignee: *See*—
Amsler, Rudolf.

Sciascia, Matthew: *See*—
Farber, Eduard, and Sciascia.

Scully, Frank P., Belmont, assignor to Scully Signal Company, East Cambridge, Mass. Tank with breather opening in fill pipe. 2,493,699, Jan. 3.

Scully Signal Company, assignee: *See*—
Scully, Frank P.

Sealy, Incorporated, assignee: *See*—
Bowersox, Joseph W.

Seaward, Carl R., Scotia, N. Y., assignor to General Electric Company. Sweep circuit. 2,493,600, Jan. 3.

Sedgewick, Richard D., Durham, N. H. Holder for bobbins. 2,493,208, Jan. 3.

Seismograph Service Corporation, assignee: *See*—
Baltosser, Robert W.
Hawkins, James E.

Shaffer, Clifford A.: *See*—
Chronic, Clarence C., and Shaffer.

Shane, Herbert J.: *See*—
Smith, Milton J., and Shane.

Sharkey, John J., assignee: *See*—
Harmon, John G.

Shaw-Walker Company, The, assignee: *See*—
Page, John H.

Shell Development Company, assignee: *See*—
Ballard, Seaver A., Finch, and Peterson.
Ballard, Seaver A., Morris, and Van Winkle.
Francis, Charles E., and Jones.
Harman, Denham, and Sommer.
Perry, Norman E.
Reman, Gerrit H.

Shelton, Robert S., Mariemont, and K. W. Wheeler, Wyoming, Ohio, assignors to The Wm. S. Merrell Company. Composition of matter. 2,493,090, Jan. 3.

Shepard, Edwin R.: *See*—
Schonle, Horace A., and Shepard.

Shepard, Randall H., Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del. Mica product and making the same. 2,493,694, Jan. 3.

Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Groove, assignors to Eli Lilly and Company, Indianapolis, Ind. Imidazolium compounds. 2,493,318, Jan. 3.

Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Substituted imidazolium compounds. 2,493,319, Jan. 3.

Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Substituted dihydroimidazolium compounds. 2,493,320, Jan. 3.

Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Dihydroimidazolium compounds. 2,493,321, Jan. 3.

Shonle, Horace A., Indianapolis, and E. R. Shepard, Beech Grove, assignors to Eli Lilly and Company, Indianapolis, Ind. Imidazolinium compounds. 2,493,322, Jan. 3.

Simcich, Matt, Los Angeles, Calif. Hubcap. 2,493,366, Jan. 3.

Simcich, Matt, Los Angeles, Calif. Tube cleanout brush with yieldably mounted removable wire bristles. 2,493,367, Jan. 3.

Simmons, Frank A., Elgin, assignor to Burgess Battery Company, Lake Zurich, Ill. Spray or atomizer nozzle. 2,493,209, Jan. 3.

Simon, Larry, assignor to M. L. Simon, Outremont, Montreal, Quebec, Canada. Flexible keycase. 2,493,554, Jan. 3.

Simon Morey L., assignee: *See*—
Simon, Larry.

Simon, Victor, Villeurbanne, France, vested in the Attorney General of the United States. Cycle frame. 2,493,037, Jan. 3.

Simplex Display Fixture Company, assignee: *See*—
Geistert, Lewis A.

Simpson, Harrison D., Hillside, assignor to Krementz & Company, Newark, N. J. High-frequency electrical heating apparatus. 2,493,269, Jan. 3.

Simpson, Kenneth H., Maplewood, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 2,493,555, Jan. 3.

Simson, Adolf P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,493,323, Jan. 3.

Smelker, Dorothy, assignee: *See*—
Smelker, Le Roy.

Smelker, Helen M., assignee: *See*—
Smelker, Le Roy.

Smelker, James D., assignee: *See*—
Smelker, Le Roy.

Smelker, Le Roy, Dayton, Ohio, assignor of one-eleventh to H. M. Smelker, one-eleventh to R. D. Smelker, one-eleventh to D. Smelker, one-eleventh to J. D. Smelker, one-eleventh to L. K. Smelker, one-eleventh to D. Bench, one-eleventh to H. V. Bench, one-eleventh to T. E. Bench, one-eleventh to P. F. Bench, and one-eleventh to M. J. Bench. Car cabin. 2,493,368, Jan. 3.

Smelker, Linda K., assignee: *See*—
Smelker, Le Roy.

Smelker, Roy D., assignee: *See*—
Smelker, Le Roy.

Smith, A. O., Corporation, assignee: *See*—
Gruetjen, Frederick.
Heath, William C.
Martin, Wesley G.
Schmitz, Henry A., Jr.

Smith, Harold W., Los Angeles, Calif., and L. L. Luxon, Boulder City, Nev., assignors to American Liquid Gas Corporation, Los Angeles, Calif. Hydrocarbon fuel vaporizer. 2,493,369, Jan. 3.

Smith, Howard O., Des Moines, Iowa. Shooting garment. 2,493,370, Jan. 3.

Smith, Lewis R., Norwalk, Conn., assignor, by mesne assignments, to P. L. Goetz, Darien, Conn. Ice-making tray. 2,493,270, Jan. 3.

Smith, Milton J., and H. J. Shane, Wenatchee, Wash. Valved hose coupling. 2,493,271, Jan. 3.

Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Fuse link. 2,493,601, Jan. 3.

Smith, W. H., & Son Limited, assignee: *See*—
Lanegran, Frederick E., and Tibble.

Smith, William F., North Hollywood, Calif., assignor to Radio Corporation of America. Phonograph system and stylus therefor. 2,493,466, Jan. 3.

Snyder, John C.: *See*—
Grosse, Aristid V., and Snyder.

Snyder, John C., Darlington, and A. V. Grosse, Haverford, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Reaction of methane with sulfur trioxide. 2,493,038, Jan. 3.

Sochia, George, assignor to Morris Machine Works, Baldwinsville, N. Y. Deburring tool. 2,493,039, Jan. 3.

Societa A. Gazzoni & Co., assignee: *See*—
Negri, Mario.

Societe Generale d'Applications Therapeutiques, "Therapilx," assignee: *See*—
Garreau, Yvonne.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Altamura, Mario S.
Berger, Henry C., and Fuller.
Bergstrom, Eric V.
Dunham, George S.
Johnson, George L.

Solmssen, Ulrich V., Essex Fells, assignor to Hoffman-La Roche Inc., Nutley, N. J. 1-alkyl-2-phenyl-3-alkyl indanes and manufacture. 2,493,729, Jan. 3.

Solmssen, Ulrich V., Essex Fells, assignor to Hoffman-La Roche Inc., Nutley, N. J. 2-(p-oxyphenyl)-3-isopropyl-6-oxy-indanes. 2,493,730, Jan. 3.

Sommer, Harry J.: *See*—
Harman, Denham, and Sommer.

Sonotone Corporation: *See*—
Pearson, Harry A.

Sopcak, Charles F., Dayton, Ohio. Nonarcing potentiometer. 2,493,040, Jan. 3.

Southern Steel Co., assignee: *See*—
White, Loyd J.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,493,700, Jan. 3.

Speicher, Carl F.: *See*—
Speicher, Marcus E. and C. F.

Speicher, Marcus E. and C. F., Celina, Ohio. Guide rail for conveyers. 2,493,169, Jan. 3.

Sperry Corporation, The, assignee: *See*—
Handel, Alfred J.
Harrison, Arthur E.
Haskins, Robert, Jr., and Barkalow.
Haxby, Robert O.

Sperry Corporation, The, assignee: *See*—
Newton, George C., Jr.
Varian, Sigurd F., and Ginzton.

Spooner, John M., Manheim Township, Lancaster County, and L. P. Garner, Lancaster, Pa., assignors to Radio Corporation of America. Electron discharge device of the magnetron type. 2,493,423, Jan. 3.

Spraragen, Louis, assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn. Instrument control. 2,493,272, Jan. 3.

Spreitzer, Melvin C.: *See*—
Tomczyk, Alphonse J., and Spreitzer.

Sproull, Robert L., Ithaca, N. Y., assignor to Radio Corporation of America. Frequency modulation system. 2,493,091, Jan. 3.

Squibb, E. R., & Sons, assignee: *See*—
Langlykke, Asger F., and Perlman.
Lott, William A., and Losee.

Stabelan Chemical Company, assignee: *See*—
Chaban, Charles J.

Staley, A. E., Manufacturing Company, assignee: *See*—
Langlois, David P., and Wolff.
Wolff, Hans, and Moyer.

Stalker, Edward A., Bay City, Mich. Rotary wing aircraft. 2,493,041, Jan. 3.

Stalker, Edward A., Bay City, Mich. Direct lift aircraft. 2,493,042, Jan. 3.

Standard Cap and Seal Corporation, assignee: *See*—
Zimmermann, Willy E., and Weidanz.

Standard Conveyor Company, assignee: *See*—
Eggleston, Ira S.

Standard Oil Development Company, assignee: *See*—
Baldwin, Francis P.
Campbell, Donald L., and Graham.
Martin, Homer Z.
Munday, John C.
Perry, Stephen F.
Stone, Albert L.
Zimmer, John C., and Morway.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Swann, James S.
Tangerman, William J.

Standard Steel Spring Company, assignee: *See*—
Hammond, Milton B., and Bowman.

Stanley, Chester D., assignor to The Wil-Stan Products Company, Akron, Ohio. Flatiron holder. 2,493,424, Jan. 3.

Stanolind Oil and Gas Company, assignee: *See*—
Hagy, James D.
Menaul, Paul L.

Starecк, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Electrodepositing copper and baths therefor. 2,493,092, Jan. 3.

Steele, James R.: *See*—
Moore, George L., and Steele.

Steiner, Arnold B., and A. Miller, La Jolla, assignors to Kelco Company, San Diego, Calif. Polyoxyethylene esters for improving frozen confections. 2,493,324, Jan. 3.

Stempel, Arthur: *See*—
Aeschlimann, John A., and Stempel.

Sterrett, Vance C., Logansport, Ind. Pressure fluid motor. 2,493,202, Jan. 3.

Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for optical projection of raceway contours and the like. 2,493,325, Jan. 3.

Stiff, Bernard G. E.: *See*—
Stiff, John M., and Bernard G. E.

Stiff, John M., Arlington, and B. G. E. Stiff, Malden, Mass. Automobile accessory. 2,493,170, Jan. 3.

Stipsky, Edward E., U. S. Navy, Hooper, Nebr. Ship's compass mounting. 2,493,043, Jan. 3.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Supporting and sealing member. 2,493,556, Jan. 3.

Sturm, Alexander J., Stratford, Wis. Folding bench. 2,493,273, Jan. 3.

Suhre, Jerome: *See*—
Loria, Walter J., and Suhre.

Sulzer Frères Société Anonyme, assignee: *See*—
Traupel, Walter.

Sun Chemical Corporation, assignee: *See*—
Pollock, Mark, and Zerner.

Sunnen, Joseph, Clayton, Mo. Pump for cutting oil. 2,493,467, Jan. 3.

Sussman, Harry, Little Neck, N. Y., assignor to Radio Corporation of America. Radio receiver system. 2,493,093, Jan. 3.

Sutherland, Daniel M., assignor to E. M. and D. C. Sutherland, Morrisville, Pa. Producing gilsonite suspensions. 2,493,507, Jan. 3.

Sutherland, Dorothy C., assignee: *See*—
Sutherland, Daniel M.

Sutherland, Ethel M., assignee: *See*—
Sutherland, Daniel M.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Hopper door for railway cars. 2,493,468, Jan. 3.

Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C., assignors to Fruit Growers Express Company. Heated refrigerator car. 2,493,425, Jan. 3.

Tabenkin, Benjamin, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Production of riboflavin by termination process. 2,493,274, Jan. 3.

Tangerman, William J., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway coupler operating device. 2,493,469, Jan. 3.

Tanguay, Harvey A., Central Falls, R. I. Feeler device for knitting machines. 2,493,557, Jan. 3.

Tank Fertilizer, Inc., assignee: *See*—
Aycock, Walter F.

Tau, Bruce E., assignor to Freyn Engineering Company, Chicago, Ill. Stove checker assembly. 2,493,470, Jan. 3.

Taylor, Frank F., Co., assignee: *See*—
Gill, Donald W.

Taylor, Victor E., Nampa, Idaho. Electric shoe shiner with movable shoe polish applying receptacle. 2,493,426, Jan. 3.

Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.

Tecumseh Refrigeration Sales and Engineering Company, assignee: *See*—
Touborg, Jens.

Teitel, Sidney: *See*—
Goldberg, Mosea W., and Teitel.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Ahlberg, Curt F.
Lundkvist, Karl A.

Television Associates, Inc., assignee: *See*—
Eddy, William C.

Texas Company, The, assignee: *See*—
Bermingham, James A., Jr.
Herzog, Gerhard.
Hess, Howard V.

Thew Shovel Company, The, assignee: *See*—
Zellman, Roy H.

Thomas, Henry P., Fayetteville, N. Y., assignor to General Electric Company. Air flow interlock switch. 2,493,603, Jan. 3.

Thomas, Robert M., South Charleston, W. Va., assignor to Food Machinery and Chemical Corporation, New York, N. Y. Stabilization of halogenated organic compounds. 2,493,427, Jan. 3.

Thompson, Arthur C., Montreal, Quebec, Canada. Box or crate. 2,493,701, Jan. 3.

Thompson, Robert H.: *See*—
Budd, Wilbert H., Arisman, and Thompson.

Thompson, William D., San Diego, Calif. Focus determining device for photographic enlargers. 2,493,558, Jan. 3.

Thompson, William S., Oklahoma City, Okla. Safety thermal gas-flow control. 2,493,702, Jan. 3.

Thorne, Charles L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Deflection wave generator. 2,493,044, Jan. 3.

Thornton, Arthur C., Yeadon, England. Drive transmission for autocycles. 2,493,275, Jan. 3.

Thurston, Jack T., and D. W. Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Azo guanamines. 2,493,703, Jan. 3.

Thuraton, Norman R., Waverly, assignor to Eureka Specialty Printing Co., Scranton, Pa. Mounting corner. 2,493,276, Jan. 3.

Thynell, Gustave M., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Telemetric apparatus. 2,493,508, Jan. 3.

Tibble, John: *See*—
Lanegan, Frederick E., and Tibble.

Tillitson, Edward W., Grosse Pointe, assignor to Parke, Davis & Company, Detroit, Mich. Stabilized organic compounds and obtaining the same. 2,493,471, Jan. 3.

Timber Engineering Company, assignee: *See*—
Farber, Eduard, and Sciascia.

Tomczyk, Alphonse J., Chicago, and M. C. Spreitzer, Des Plaines, Ill. Airplane type kite. 2,493,704, Jan. 3.

Toth, Emerick, Takoma Park, Md. Full-wave noise-peak and output limiter. 2,493,045, Jan. 3.

Touborg, Jens, assignor to Tecumseh Refrigeration Sales and Engineering Company, Tecumseh, Mich. Externally finned hermetic compressor. 2,493,171, Jan. 3.

Traupel, Walter, assignor to Sulzer Frères Société Anonymé, Winterthur, Switzerland. Gas turbine plant. 2,493,509, Jan. 3.

Trinder, John H., Washington, D. C. Tampon for control of intractable nasal hemorrhages. 2,493,326, Jan. 3.

Trine Manufacturing Corporation, assignee: *See*—
Kalwo, Ludwig J.

Troy Sunshade Company, The, assignee: *See*—
Ellis, Johnstone D.

Trucksess, David E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,493,094, Jan. 3.

Tschus, Louis, Columbus, Ohio. Fishing reel. 2,493,428, Jan. 3.

Tuck, Ralph, Oakland, T. E. Hughes, Berkeley, and A. U. Rigby, San Leandro, Calif. Shock and sway resisting overload spring. 2,493,172, Jan. 3.

Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,493,510, Jan. 3.

Twemlow, Edwin: *See*—
Foden, William, and Twemlow.

Unger, Abraham, South Orange, assignor to Duro-Persian Mfg. Co., Inc., East Newark, N. J. Folded strip. 2,493,559, Jan. 3.

Union Oil Company of California, assignee: *See*—
Farkas, Adalbert.

United Aircraft Corporation, assignee: *See*—
Labensky, Boris P.

United Chromium, Incorporated, assignee: *See*—
Stareck, Jesse E.

United Shoe Machinery Corporation, assignee: *See*—
Paulsen, Hans C.

United States Atomic Energy Commission, The United States of America as represented by the: *See*—
Hansen, William W.

United States Finishing Company, The, assignee: *See*—
Balassa, Ladislaus.

United States Rubber Company, assignee: *See*—
Kerr, Henry H.
Mooney, Melvin.
Schoene, Dwight L.

Universal Oil Products Company, assignee: *See*—
Berger, Charles V.

University of California, The Regents of the, assignee: *See*—
Boelter, Llewellyn M. K., Dunkle, Gier, and Martinelli.
Calvin, Melvin.

Valk, William E.: *See*—
Chilton, Roland.

Vanadium Corporation of America, assignee: *See*—
Dunn, Holbert E., Rathmann, and Parkman.
Weinig, Arthur J.

Vance, Donald W., Pasadena, assignor to Kelite Products, Inc., Los Angeles, Calif. Aqueous composition for treating iron and steel. 2,493,327, Jan. 3.

Vandier, Jacques, assignor to Office Technique International (O. T. I.), Paris, France. Fastening arrangement between two members designed to fit into one another. 2,493,277, Jan. 3.

Van Eps, Fred, Plainfield, N. J. Device for cutting the terminal eccentric run-out groove on phonograph records. 2,493,511, Jan. 3.

Van Halteren, Andrew S., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum. 2,493,173, Jan. 3.

Van Vliet, Paul D.: *See*—
Jordan, Wayne D., and Van Vliet.

Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Varian, Sigurd F., and E. L. Ginzton, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency electroexpansive tuning apparatus. 2,493,046, Jan. 3.

Vasselli, Anthony J., Newark, N. J., assignor to Radio Corporation of America. Lead wire straightening machine. 2,493,560, Jan. 3.

Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,493,512, Jan. 3.

Vickers Incorporated, assignee: *See*—
Tweedale, Ralph L.
Vickers, Harry F.

Victor Manufacturing & Gasket Company, assignee: *See*—
Lillis, Stephen M.

Vincent, Andrew W., Rochester, N. Y. Intercommunicating telephone system. 2,493,174, Jan. 3.

Vogel, Franz, New York, N. Y. Four-way umbrella. 2,493,705, Jan. 3.

Voss, Fred: *See*—
Moore, Charles S., Voss, and Biermann.

Vradenburgh, Robert, Yonkers, N. Y., assignor to Ward Leonard Electric Company. Relay. 2,493,371, Jan. 3.

Waber, James W., Chicago, Ill. Pneumatic tire. 2,493,047, Jan. 3.

Wagman, Benjamin, Detroit, Mich. Toy cannon. 2,493,429, Jan. 3.

Wagner, George B., Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y. Refrigerating storage unit. 2,493,647, Jan. 3.

Wagner, William, Brooklyn, N. Y. Gasket cutter. 2,493,513, Jan. 3.

Walker Brothers (Wigan) Limited, assignee: *See*—
Dunstan, Thomas W.

Walters, Theodore R., Pittsfield, Mass., assignor to General Electric Company. Insulating paper of asbestos and bentonite. 2,493,604, Jan. 3.

Walz, Claude W.: *See*—
Bohmker, Thomas W., Walz, and Clark.

Wandyak, Anthony, Ballston Spa, N. Y. Portable solarium. 2,493,328, Jan. 3.

Wangrow, Ervin F., Bingham, Ill. Cartridge clip loading device. 2,493,048, Jan. 3.

Wanshel, Jerome N., assignee: *See*—
Whittingham, Barron S.

War, United States of America as represented by the Secretary of, assignee: *See*—
McMorris, John.

Ward, Blenkinsop & Company Limited, assignee: *See*—
Goldberg, Alan A., and Kelly.

Ward Leonard Electric Company, assignee: *See*—
Vradenburgh, Robert.

Ward, Robert E., Jr., Kansas City, Mo. Apparatus having conical reflector for projecting magnified images. 2,493,430, Jan. 3.

Ward, Wesley K., Jr.: *See*—
Reid, John D., Ward, Jr., and Mazzeno, Jr.

Warsher, Adolph, Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Servomotor control. 2,493,605, Jan. 3.

Washburne, Brenton P., Pleasantville, and J. A. Eyster, Chappaqua, N. Y., assignors to General Precision Laboratory Incorporated. Electronic switch. 2,493,706, Jan. 3.

Waterloo Tire Retreading Company, assignee: *See*—
Dilley, Roy.

Waterton, Frank, Manchester, England, assignor, by mesne assignments, to General Electric Company. X-ray apparatus. 2,493,606, Jan. 3.

Watkins, T. B., assignee: *See*—
Williams, Harry O.

Watter, Michael, Philadelphia, Pa. Pneumatic tire. 2,493,731, Jan. 3.

Watton, Walter L., Hayes, E. W. Bull, Hounslow, and E. L. C. White, Iver, England, assignors to Electric and Musical Industries, Limited. Electrical pulse separating circuits. 2,493,648, Jan. 3.

Weatherhead Company, The, assignee: *See*—
Courtot, Louis B.

Weber, William F., assignor to Armour and Company, Chicago, Ill. Skinning meat. 2,493,707, Jan. 3.

Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.

Webster Industries, Inc., assignee: *See*—
Henne, Julius A.

Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multiply-resonant stub antenna. 2,493,514, Jan. 3.

Weidanz, Herman E.: *See*—
Zimmermann, Willy E., and Weidanz.

Weinig, Arthur J., Golden, Colo., assignor to Vanadium Corporation of America, Bridgeville, Pa. Ore scrubbing apparatus. 2,493,049, Jan. 3.

Weinman, Alfred H., Highland Park, Ill. Water heater. 2,493,175, Jan. 3.

Weir, Chester I., Buffalo, N. Y. Gravity actuated boat pump. 2,493,050, Jan. 3.

Weiss, Willi, Vernier, assignor to Brevets Aero-Mecaniques S. A., Geneva, Switzerland. Combined fuse. 2,493,278. Jan. 3.

Wendelburg, Frank W., and E. C. Brekelbaum, assignors to Harnischfeger Corporation, Milwaukee, Wis. Eddy current preloaded controllable speed motor. 2,493,607, Jan. 3.

Werner, Vilém, Plzen, and K. Kubelka, Blansko, assignors of one-third to Zbrojovka Brno, Narodni Podnik, also named Brno Arms Factory, National Corporation, Prague, Czechoslovakia. Continuous path gripper shuttle loom. 2,493,515, Jan. 3.

Western Electric Company, Incorporated, assignee: *See*—
Lewis, Clay E.

Westinghouse Electric Corporation, assignee: *See*—
Godwin, Gurney L.
Hanna, Clinton R.
Mahnke, Kurt, and Ankenman.
Putz, Thomas J.

Wheeldex Manufacturing Co. Inc., assignee: *See*—
Scholfield, Richard P.

Wheeler, Keith W.: *See*—
Shelton, Robert S., and Wheeler.

White, Dorothy L., administratrix: *See*—
Dibrell, James W., and White.

White, Eric L. C.: *See*—
Watton, Walter L., Bull, and White.

White, Loyd J., assignor to Southern Steel Co., San Antonio, Tex. Liquefied gas dispensing system. 2,493,708, Jan. 3.

White, Peter: *See*—
Dibrell, James W., and White.

Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Carton blank. 2,493,176, Jan. 3.

Whiting Corporation, assignee: *See*—
Reed, Wesley W.

Whitmarsh, Herbert F.: *See*—
Kenure, John F., and Whitmarsh.

Whitney, Blake Company, The, assignee: *See*—
Judisch, Carl H.

Whittingham, Barron S., New York, N. Y., assignor of thirty-three and one-third per cent to J. S. Colyer and thirty-three and one-third per cent to J. N. Wanshel. Stabilized chocolate sirup and beverage. 2,493,732, Jan. 3.

Wild-Barfield Electric Furnaces Limited, assignee: *See*—
Haywood, Frederick W., and Laidler.

Willett, Anthony, Cleveland, Ohio. Safety device for furnaces. 2,493,608, Jan. 3.

Williams, Edward B., Jr., Greenville, Tex. Drill bit. 2,493,178, Jan. 3.

Williams, Elmer R., Tulsa, Okla. Oil and gas separator. 2,493,095, Jan. 3.
Williams, Harold R., Cleveland, Ohio. Brasing flux composition. 2,493,372, Jan. 3.
Williams, Harry O., Lawson, Mo., assignor of one-half to T. B. Watkins. Automatically adjustable brake. 2,493,177, Jan. 3.
Williams, Harry S., North Little Rock, assignor to Roc-a-Ride Corporation, Little Rock, Ark. Two-seated tricycle. 2,493,561, Jan. 3.
Wilson, William W., Memphis, Tenn. Sofa bed. 2,493,096, Jan. 3.
Wil-Stan Products Company, The, assignee: *See*— Stanley, Chester D.
Wirth, Anthony F., University Heights, Ohio. Paintbrush embodying handle drip chamber. 2,493,329, Jan. 3.
Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Preparation of 2,2,6,6-tetramethylolcyclohexanol. 2,493,733, Jan. 3.
Wittenberg, Margaret H., Millburn, N. J., assignor to Jantzen Knitting Mills, New York, N. Y. Wearing apparel. 2,493,179, Jan. 3.
Wittenmyer, Carlos, Mount Clemens, Mich. Automatic typewriter. 2,493,709, Jan. 3.
Witter, Lawrie L., assignee: *See*— Atkins, Thomas R.
Wold, Thomas F., Portland, Oreg. Fish lure. 2,493,431, Jan. 3.
Wolff, Hans: *See*— Langlois, David P., and Wolff.
Wolff, Hans, and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Dimers of angelica lactone. 2,493,373, Jan. 3.
Wolff, Hans, and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Hydrogenated dimers of angelica lactone. 2,493,374, Jan. 3.
Wolff, Hans, and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Lactone acids and derivatives thereof. 2,493,375, Jan. 3.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Position finder. 2,493,097 Jan. 3.
Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Index and signal. 2,493,211, Jan. 3.
Wood Conversion Company, assignee: *See*— Heino, Arne W.
Woodman, William S., Cleveland, Ohio. Container with agitator mounted therein. 2,493,210, Jan. 3.
Woodward, Teynham, Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Increasing filterability of magnesium hydroxide. 2,493,051, Jan. 3.
Worthington Pump and Machinery Corporation, assignee: *See*— Hahn, Clarence J.
Wright, Mary S., New York, N. Y. Casserole. 2,493,279, Jan. 3.
Yale, Harold C., Pasadena, Calif. Paper clip. 2,493,052, Jan. 3.
Yarman, Paul J., Barberton, assignor to The Ohio Boxboard Company, Rittman, Ohio. Loading pallet. 2,493,562, Jan. 3.
Yentzen, George J., Nederland, Tex. Duck caller. 2,493,472, Jan. 3.
Yonkers, Edward H., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Fused cutout. 2,493,432, Jan. 3.
Yonkers, Edward H., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Fused cutout. 2,493,433, Jan. 3.
Yonkers, John L., Northbrook, assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Manufacturing fuse links. 2,493,434, Jan. 3.
Young, Gerald W., Schenectady, N. Y., assignor to General Electric Company. Coating compositions for magnetic materials. 2,493,609, Jan. 3.
Zak, Albert: *See*— Chodacki, Joseph, and Zak.
Zar, Jacob L., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Magnetically biased indicating instrument. 2,493,376, Jan. 3.
Zatyko, Frank, Cleveland, Ohio. Making pulleys. 2,493,053, Jan. 3.
Zbrojovka Brno, Narodni Podnik, assignee: *See*— Werner, Vilém, and Kubelka.
Zeigler-Harris & Co., Inc., assignee: *See*— Harris, George R.
Zellman, Roy H., assignor to The Thew Shovel Company, Lorain, Ohio. Automotive hydraulic braking system. 2,493,377, Jan. 3.
Zenith Radio Corporation, assignee: *See*— Criswell, Byron R.
Zerner, Ernst: *See*— Pollock, Mark, and Zerner.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Differential pressure responsive means. 2,493,180, Jan. 3.
Zimic, Michael, New York, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Knitting machine. 2,493,054, Jan. 3.
Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Chemical surface treatment of ferrous bearing metals. 2,493,516, Jan. 3.
Zimmerman, Clarence J., Watsonville, Calif. Key container. 2,493,330, Jan. 3.
Zimmermann, Willy E., and H. E. Weidanz, assignors to Standard Cap and Seal Corporation, Chicago, Ill. Apparatus for feeding and transferring articles. 2,493,212, Jan. 3.
Zipper, Emil, Santa Monica, Calif.; vested in the Attorney General of the United States. Internally expanding brake. 2,493,055, Jan. 3.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Surface treating method and apparatus. W. H. Mead. Re. 23,186, Jan. 3.

LIST OF PLANT INVENTIONS

Rose plant. F. Meilland. 911, Jan. 3.

LIST OF DESIGN INVENTIONS

Air distribution outlet and lighting fixture, Combined. W. W. Kennedy. 156,743, Jan. 3.
Aircraft, Amphibian. A. Z. Boyajian, J. Gitz, and P. H. Spencer. 156,694, Jan. 3.
Airplane, Amphibian. R. W. Miller. 156,753, Jan. 3.
Airplane, Amphibian. P. H. Spencer. 156,778, Jan. 3.
Airplane, Amphibian. M. B. Taylor. 156,786, Jan. 3.
Antirattler for automobile windows. P. R. Engel. 156,713, Jan. 3.
Ash tray. H. R. Wingo. 156,794, Jan. 3.
Ash tray or similar article. V. B. Evans. 156,715, Jan. 3.
Bait and lure, Combined. K. R. Larson. 156,749, Jan. 3.
Base and cover for window locks, Supporting. A. J. Rochow. 156,767, Jan. 3.
Blouse or similar article. L. Larssen. 156,750, Jan. 3.
Bottle. E. L. Du Pree, Jr. 156,710, Jan. 3.
Bottle. R. M. Gammal. 156,722, Jan. 3.
Bowl or similar article. V. B. Evans. 156,716, Jan. 3.
Box or similar article. E. L. Warner. 156,789, Jan. 3.
Bracelet. A. Katz. 156,740, Jan. 3.
Bracelet or similar article. A. Katz. 156,738–9, Jan. 3.
Brassière. J. A. Coleman. 156,700, Jan. 3.
Brassière. O. Erteszek. 156,714, Jan. 3.
Brassière. Z. S. Keck. 156,742, Jan. 3.
Brassière. C. M. Sachs. 156,768, Jan. 3.
Broiler. C. B. Hobbs. 156,731, Jan. 3.
Brooch or similar article. A. Philippe. 156,761–3, Jan. 3.
Cabinet, Freezer. G. Orley. 156,760, Jan. 3.
Cart or similar article, Shopping. G. W. Concklin. 156,701–2, Jan. 3.
Casing for a hand-driven- address- printing machine. C. O. Lamm. 156,748, Jan. 3.
Casing or similar article, Lamp. P. O. Wright. 156,798, Jan. 3.
Chair and costumer, Combination. E. Belmont. 156,691, Jan. 3.
Chair and desk, or similar article, Combination. M. E. Brafman. 156,695, Jan. 3.
Chair, Infant's attachable. L. T. and E. W. Buehler. 156,697, Jan. 3.
Chair or similar article. V. A. R. Primavera. 156,764, Jan. 3.
Cigarette box or similar article. V. B. Evans. 156,717, Jan. 3.
Clasp and ornament attachment device, Combined earring. S. M. Danzig and G. Skolnik. 156,705, Jan. 3.
Clock, clock control, condiment holders and shelf for cooking stoves, Combined. J. B. Stuman. 156,783, Jan. 3.
Coat, Uniform. A. Eberle. 156,711, Jan. 3.
Comb holder and tray, Combined. B. Ulvad. 156,788, Jan. 3.
Comb or similar article. C. W. Bristol. 156,696, Jan. 3.
Compact. R. M. Barton. 156,690, Jan. 3.
Crankcase, Engine. H. S. Benjamin and H. R. De Harte. 156,692, Jan. 3.
Dress ensemble. V. R. Moreno. 156,754, Jan. 3.
Dress ensemble. J. F. Strassner. 156,782, Jan. 3.
Egg beater. T. J. White. 156,792, Jan. 3.
Fender trim and signal light unit, Combination. C. E. Sykes. 156,785, Jan. 3.
Field glasses. H. Hofer, G. Alto, and R. Dix. 156,733, Jan. 3.
Finding, Ear clip. F. W. Moulson. 156,755, Jan. 3.
Fish lure. W. Mozuras. 156,756, Jan. 3.
Game board. R. Z. Jacobson. 156,734, Jan. 3.
Goblet. G. Sakier. 156,770, Jan. 3.
Goblet. M. G. Yutzey. 156,800, Jan. 3.
Grader, Hair texture. R. E. Grigsby. 156,728, Jan. 3.
Grille plate or similar article, Air register. A. C. Wesche. 156,790, Jan. 3.
Gripper, Cap. J. Drazick. 156,709, Jan. 3.
Guide, Radio symbol. J. W. Adams. 156,686, Jan. 3.
Hairbrush. P. Muller-Munk. 156,757, Jan. 3.
Hamper, Vanity. P. Wilks. 156,793, Jan. 3.
Handbag. P. Spindell. 156,779–81, Jan. 3.
Handle for a container cap. A. H. Jung. 156,736, Jan. 3.
Heating appliance, Beverage. G. C. Gettelman. 156,724–6, Jan. 3.
Holder and dispenser, Duplex condiment. J. L. Lyons. 156,752, Jan. 3.
Holder, Madonna candle. C. V. Sears. 156,777, Jan. 3.
Holder, Necktie. D. B. Kauffman. 156,741, Jan. 3.
Holder, Ribbon. M. B. Zeglen. 156,801, Jan. 3.
House number and doorbell unit, Combination. C. W. Ferris. 156,718, Jan. 3.
Inhalator, Nasal. M. R. Fields. 156,720, Jan. 3.
Inhalator, Oral. M. R. Fields. 156,719, Jan. 3.
Jardiniere. G. Sakier. 156,769, Jan. 3.
Lace. W. H. Woodhouse. 156,797, Jan. 3.
Lighting fixture. Louvered fluorescent. M. L. Quin. 156,765, June 3.
Lock or the like, Luggage. A. Levine. 156,751, Jan. 3.
Measuring device. R. S. Fulton. 156,721, Jan. 3.
Microphone. B. E. Schell, Jr. 156,774, Jan. 3.
Ornament, Fender. J. L. and J. A. Domann. 156,708, Jan. 3.
Package, Combined candy and doll. C. E. Whitcomb. 156,791, Jan. 3.
Panel, Interior wall. W. Chavalas. 156,698, Jan. 3.
Percolator or other similar article, Electric coffee. N. Delacroix. 156,707, Jan. 3.
Plate, Cake. M. G. Yutzey. 156,799, Jan. 3.
Polisher, Floor. K. C. Atkin. 156,689, Jan. 3.
Puppet. R. Y. Allen and M. Shaw. 156,687, Jan. 3.
Rack, Magazine. G. Bergal. 156,693, Jan. 3.
Rack, Spice and condiment. J. C. Hampe and H. T. Genge. 156,729, Jan. 3.
Register, Autographic. R. S. Katz. 156,737, Jan. 3.
Regulator, Fluid pressure. W. J. Jacobsson. 156,735, Jan. 3.
Setting or similar article, Gem. F. Eichmuller. 156,712, Jan. 3.
Shaker, Combined salt and pepper. W. R. Redd. 156,766, Jan. 3.
Sink. R. H. Culley. 156,704, Jan. 3.
Siphon. W. T. Croft and W. G. Goodale. 156,703, Jan. 3.
Slip. S. Wolf. 156,795–6, Jan. 3.
Socket, Light. H. W. Hoard. 156,730, Jan. 3.
Spectacles, Pair of. I. Gayson. 156,723, Jan. 3.
Stand, Desk. B. Niesner. 156,758, Jan. 3.
Stand for motor-driven food appliances or similar articles, Supporting. M. E. Allesee. 156,688, Jan. 3.
Table, Photographic layout. J. F. Knapp. 156,747, Jan. 3.
Timer and condiment holders for cooking range, Combined. J. B. Stuman. 156,784, Jan. 3.
Tool, Combination. A. J. Hoeflicker. 156,732, Jan. 3.
Toy, Animated. E. F. Schultz. 156,776, Jan. 3.
Toy, Animated trundle. E. F. Schultz. 156,775, Jan. 3.
Toy rocker. I. Thomas. 156,787, Jan. 3.
Toy, Spinner. L. W. Schaper. 156,773, Jan. 3.
Undergarment, Slip-type. E. Darwin. 156,706, Jan. 3.
Vehicle, Articulated sight-seeing. W. D. Graham. 156,727, Jan. 3.
Wardrobe, Child's. W. J. and P. H. Cochrane. 156,699, Jan. 3.
Washer, Automatic clothes. R. C. Sandin. 156,772, Jan. 3.
Washing machine. R. C. Sandin. 156,771, Jan. 3.
Workbench, Technician's. F. J. Omo. 156,759, Jan. 3.
Wrist watch and strap therefor, Combined. S. Kent. 156,744–6, Jan. 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3d DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adapter. L. K. Franklin. 2,493,577, Jan. 3.
Air cleaner. D. B. Browne and K. E. Buckman. 2,493,335, Jan. 3.
Air cleaner. H. G. Kamrath. 2,493,352, Jan. 3.
Air conditioning apparatus for vehicles. W. B. Emerich. 2,493,122, Jan. 3.
Air conditioning apparatus having an evaporative type condenser. C. F. Henney. 2,493,141, Jan. 3.
Aircraft, Direct lift. E. A. Stalker. 2,493,042, Jan. 3.
Aircraft, Rotary wing. E. A. Stalker. 2,493,041, Jan. 3.
Air flow interlock switch. H. P. Thomas. 2,493,603, Jan. 3.
Alarm, Burglar. F. A. Foss. 2,493,576, Jan. 3.
Alarm and control, Stoker. A. B. Newton. 2,493,591, Jan. 3.
Alarm system, Boiler level. W. E. Proctor. 2,493,548, Jan. 3.
Aligning device. G. C. Aubin. 2,493,332, Jan. 3.
Aliphatic nitriles, Preparation of. W. D. Niederhauser. 2,493,637, Jan. 3.
Anchor, Rail. G. L. Moore and J. R. Steele. 2,493,686, Jan. 3.
Animal trap. J. N. Blair. 2,492,957, Jan. 3.
Antenna, Directive ultra high frequency. W. S. Halstead. 2,492,989, Jan. 3.
Antenna, Multiply-resonant stub. R. S. Wehner. 2,493,514, Jan. 3.
Antenna system. G. H. Baker and E. E. Crump. 2,492,951, Jan. 3.
Antenna system, Composite loop. B. P. Brown, Jr. 2,493,569, Jan. 3.
Antitumbling device, Gyro. G. C. Newton, Jr. 2,493,015, Jan. 3.
Apparatus and method for making cushions. J. W. Bowersox. 2,493,652, Jan. 3.
Apparatus for collapsing water waves. P. Brasher. 2,492,949, Jan. 3.
Apparatus for drying webs of material, especially stentering machines. K. S. Laurie. 2,493,253, Jan. 3.
Apparatus for effecting speed changes in mechanical transmissions. E. Orshansky, Jr. 2,493,417, Jan. 3.
Apparatus for feeding and transferring articles. W. E. Zimmermann and H. E. Weidanz. 2,493,212, Jan. 3.
Apparatus for folding paper sheets. E. J. La Cour. 2,493,410, Jan. 3.
Apparatus for gas-solid contacting. G. S. Dunham. 2,493,235, Jan. 3.
Apparatus for heat treating propellers and the like. F. A. Gruetjen. 2,493,135, Jan. 3.
Apparatus for hydrocarbon conversion. G. L. Johnson. 2,493,672, Jan. 3.
Apparatus for locating open circuit faults in electrical circuits. W. H. Bruns. 2,493,524, Jan. 3.
Apparatus for making ice. W. B. Kirkpatrick. 2,493,149, Jan. 3.
Apparatus for molding cored articles from hot rubber and the like. C. H. Judisch. 2,493,069, Jan. 3.
Apparatus for packaging cigars in layers with the cigars in one layer staggered with respect to cigars in adjacent layers. G. E. Houdreau. 2,493,221, Jan. 3.
Apparatus for positioning cores. W. G. Mueller, K. Klause, and A. M. Meier. 2,493,590, Jan. 3.
Apparatus for pressuring air counterbalance cylinders. W. G. Corey. 2,493,341, Jan. 3.
Apparatus for removing a protective sheet from a card aperture and for mounting a selected microfilm therein. N. H. Morrison. 2,493,159, Jan. 3.
Apparatus for removing dust from gases. E. Mercier and M. Ehlinger. 2,493,356, Jan. 3.
Apparatus for treating skin diseases. W. R. McMillan. 2,493,155, Jan. 3.
Apparatus having conical reflector for projecting magnified images. R. E. Ward, Jr. 2,493,430, Jan. 3.
Apparatus, including a manually positioned upper die for shaping armature coils. B. W. Markey. 2,493,679, Jan. 3.
Apparel, Wearing. M. H. Wittenberg. 2,493,179, Jan. 3.
Applicator, Single-row fertilizer. W. J. Schroeder. 2,493,599, Jan. 3.
Applier, Gum tape. W. C. Renne, Jr. 2,493,502, Jan. 3.
Applying sheet linings to cylinders, Method and apparatus for. W. G. Martin. 2,493,153, Jan. 3.
Applying transfers, Method and apparatus for. K. H. Browniee. 2,493,522, Jan. 3.
Aquatic device. F. A. Fish. 2,493,482, Jan. 3.
Aqueous composition for treating iron and steel. D. W. Vance. 2,493,327, Jan. 3.
Arrangement for controlling the starting and stopping of machines. V. P. Harvey and G. F. W. Powell. 2,493,670, Jan. 3.
Arrangement for counting and measuring electric current impulses of short duration. P. Fehr. 2,493,448, Jan. 3.
Article handler. W. L. Casey, Jr. 2,493,108, Jan. 3.
Articles from coal, Production of useful. J. G. Bennett, C. D. Greaves, G. C. Phillpotts, M. Pirani, W. J. Kramers, and D. B. Foster. 2,493,383, Jan. 3.
Assembly for pocket lighters, Demountable head. C. A. Fortin. 2,493,450, Jan. 3.
Attachment for baby carriages, Tractor. E. Bortnick. 2,493,613, Jan. 3.
Attachment for machine tools, Slotting. A. P. Owens. 2,493,021, Jan. 3.
Attachment for metal cutting machines. M. Russell and A. E. Rainville. 2,493,033, Jan. 3.
Attachment for plows, Wheel. V. P. Alloway. 2,493,649, Jan. 3.
Attachment for radiators, Filter. H. E. Malme. 2,493,257, Jan. 3.
Attenuator, Electric. A. C. Bowyer-Lowe and E. R. Peach. 2,493,653, Jan. 3.
Automatically adjustable brake. H. O. Williams. 2,493,177, Jan. 3.
Automobile accessory. J. M. and B. G. E. Stiff. 2,493,170, Jan. 3.
Automobile clothes hanger support. H. R. Mitchell. 2,493,158, Jan. 3.
Axle suspension, Oscillating. R. W. Pointer. 2,493,022, Jan. 3.
Axle suspension, Resilient oscillating. R. W. Pointer. 2,493,023, Jan. 3.
Azo guanamines. J. T. Thurston and D. W. Kaiser. 2,493,703, Jan. 3.
Baby moistureproof diaper protector. T. Malamut. 2,493,492, Jan. 3.
Backlash take-up. D. F. Linsley. 2,493,000, Jan. 3.
Bag: *See*—
Combination pouch shopping bag.
Bag with extensile sealed liner. E. B. Hoppe. 2,493,348, Jan. 3.
Bag with extensile sealed liner and making same. E. B. Hoppe. 2,493,349, Jan. 3.
Balanced-diaphragm dynamometer torque indicator. C. S. Moore, F. Voss, and A. E. Biermann. 2,493,012, Jan. 3.
Bar for guitars, Thimble grip swivel. F. A. Schwartz. 2,493,698, Jan. 3.
Basket, Baby. A. A. Andersen, Jr. 2,493,181, Jan. 3.
Beam structure, Railway brake. H. W. Ekholm. 2,493,239, Jan. 3.
Beam, Warp. W. H. Levers and R. H. Baines. 2,493,151, Jan. 3.
Bearing for turbines and the like. F. W. W. Morley. 2,493,160, Jan. 3.
Bed, crib, and the like, Collapsible. A. Pascoo. 2,493,083, Jan. 3.
Bed, Sofa. W. W. Wilson. 2,493,096, Jan. 3.
Belt structure. G. W. Delano. 2,493,447, Jan. 3.
Bench, Folding. A. J. Sturm. 2,493,273, Jan. 3.
Beta-chloroethyl-p-trichloromethyl benzoate. J. H. Bryden. 2,493,615, Jan. 3.
Binder, Loose-leaf. A. Gilbert. 2,493,065, Jan. 3.
Bit: *See*—
Drill bit.
Bituminous compositions. D. Harman and H. J. Sommer. 2,492,994, Jan. 3.
Blank, Carton. E. B. Whitehead. 2,493,176, Jan. 3.
Blank, Foldable calendar. J. Gruden. 2,493,134, Jan. 3.
Blast preheater. R. Billgren. 2,493,057, Jan. 3.
Blind supporting means, Venetian. J. W. Dunn. 2,493,234, Jan. 3.
Block: *See*—
Building block.
Blower, Sequentially operated multiple. E. C. S. Clench. 2,493,656, Jan. 3.
Board leveling mechaniam. P. Cusano. 2,493,620, Jan. 3.
Boiler: *See*—
Steam generating boiler.
Bonding thermoplastic materials. F. J. Dofsen and E. L. Danielson. 2,492,973, Jan. 3.
Bottle, Nursing. T. Bailey. 2,493,380, Jan. 3.
Box: *See*—
Cigarette box. | Folding paper box.
Box for boats, Fish. J. J. Madeksho. 2,493,203, Jan. 3.
Box or container, Covered. K. T. Buttery. 2,493,338, Jan. 3.
Box or crate. A. C. Thompson. 2,493,701, Jan. 3.
Bracket: *See*—
Mounting bracket.
Brake: *See*—
Automatically adjustable brake. | Coaster brake. | Internally expanding brake

Brake mechanism, Self-adjusting hydraulic. H. H. Kerr. 2,493,250, Jan. 3.
Brake system with emergency air pressure operator, Liquid pressure. C. Hollerith. 2,493,196, Jan. 3.
Braking system, Automotive hydraulic. R. H. Zellman. 2,493,377, Jan. 3.
Brazing flux composition. H. R. Williams. 2,493,372, Jan. 3.
Brooder, Transparent. W. M. McCaskell. 2,493,589, Jan. 3.
Brush with yieldably mounted removable wire bristles, Tube cleanout. M. Simcich. 2,493,367, Jan. 3.
Buffing stand. P. E. Hawkinson. 2,493,289, Jan. 3.
Building block. A. J. Archambault. 2,493,435, Jan. 3.
Building block. P. and A. Paolella. 2,493,547, Jan. 3.
Burner safety and scavenging control. F. E. Lange. 2,493,412, Jan. 3.
Burner with snap action control, Generator. J. L. Breese. 2,493,474, Jan. 3.
Burning apparatus, Partial. J. McMorris. 2,493,725, Jan. 3.
Cabin, Car. H. Smelker. 2,493,368, Jan. 3.
Cabinet construction, Fire-resisting. J. H. Page. 2,493,690, Jan. 3.
Cable grip, Spring-lift jaw. H. P. Bardshar. 2,493,214, Jan. 3.
Cam mechanism for variable length throw. H. H. Ranney and R. W. Brown. 2,493,420, Jan. 3.
Camera provided with range finder, Photographic. J. de Montremy. 2,493,302, Jan. 3.
Canning tuna fish. O. W. Lang. 2,493,586, Jan. 3.
Cap: *See*—
Hair-drying cap.
Car: *See*—
Heated refrigerator car.
Carbamic acid esters. J. A. Aeschlimann and A. Stempel. 2,493,710, Jan. 3.
Carburetor. L. Lee, II. 2,493,587, Jan. 3.
Carton. W. P. Frankenstein. 2,493,189, Jan. 3.
Carton or container, Lined. K. T. Buttery. 2,493,337, Jan. 3.
Case: *See*—
Reversible brief case.
Case and mounting with forced air cooling device, Combined slide projector. H. L. Mills. 2,493,636, Jan. 3.
Casserole. M. S. Wright. 2,493,279, Jan. 3.
Catalyst, Employing fluent. R. E. Bland. 2,492,958, Jan. 3.
Catalytic device. G. P. Schmitt. 2,493,266, Jan. 3.
Catapult, Liquid turbine airplane. W. Nelson. 2,493,014, Jan. 3.
Cellular structures, Method and apparatus for forming. J. F. Godwin. 2,493,243, Jan. 3.
Cellulose acetate solution. C. R. Fordyce and B. E. Gramkee. 2,492,977–8, Jan. 3.
Ceramic articles, Manufacture of. M. E. Gates. 2,493,623, Jan. 3.
Chair: *See*—
Collapsible beach fisherman's chair. | Opera chair.
Foldable reclining chair. | Table attached infant's chair.
Folding chair.
Checker assembly for stove construction. E. H. Koenig. 2,493,458, Jan. 3.
Checker assembly, Stove. B. E. Tau. 2,493,470, Jan. 3.
Checking machine, Work. C. S. Kasper. 2,493,147, Jan. 3.
Chemical surface treatment of ferrous bearing metals. J. C. Zimmer and A. J. Morway. 2,493,516, Jan. 3.
Chlorinated phenoxy compounds, Manufacture of. R. T. Foster and N. Bennett. 2,493,126, Jan. 3.
Chuck. R. G. Le Tourneau. 2,493,300, Jan. 3.
Cigarette box. C. Block. 2,493,334, Jan. 3.
Cigarette, Tipped. T. R. Atkins. 2,493,436, Jan. 3.
Circuit: *See*—
Motor-control circuit. | Sweep circuit.
Pulse generating circuit. | Synchronizing signal separating circuit.
Radio receiver noise muting circuit.
Selective output saturable reactor amplifier circuit.
Circuit breaker for distribution lines, High-voltage. G. L. Hill. 2,493,347, Jan. 3.
Circuit component, Electric. A. S. Khouri and W. C. Fischer. 2,493,199, Jan. 3.
Circuit for automobile lighting systems, Electric. R. D. Moore and R. W. Bordewieck. 2,493,307, Jan. 3.
Circuits, Electrical pulse separating. W. L. Watton, E. W. Bull, and E. L. C. White. 2,493,648, Jan. 3.
Circuits, Voltage doubling. W. W. Hansen. 2,493,137, Jan. 3.
Cleaner: *See*—
Air cleaner.
Cleaning bearings of engines, Internally. B. H. Eaton. 2,493,120, Jan. 3.
Cleaning machine and method, Ball. J. U. Mayer, J. J. Kehoe and E. L. Conard. 2,493,681, Jan. 3.
Clip: *See*—
Paper clip.
Closer, Door. H. S. Diebel. 2,493,116, Jan. 3.
Clothesline hanger. R. R. Adams and R. L. Henry. 2,493,331, Jan. 3.
Clothespin. A. C. McKinney. 2,493,305, Jan. 3.
Clothespin. W. C. Renne. 2,493,503, Jan. 3.
Clutch: *See*—
Friction clutch.
Clutch. L. E. La Brie. 2,493,721, Jan. 1.
Clutch and brake mechanism for presses. T. L. May. 2,493,495, Jan. 3.
Clutch and locking device therefor. C. S. Crafts. 2,493,059, Jan. 3.
Coaster brake. T. K. Crossland. 2,493,227, Jan. 3.
Coating compositions for magnetic materials. G. W. Young. 2,493,609, Jan. 3.
Cobalt bis-(3-fluorosalicylaldehyde)-ethylenediimine and making same. M. Calvin. 2,493,654, Jan. 3.
Coffee maker, Rapid. J. Minerva and M. Lopez. 2,493,306, Jan. 3.
Collapsible beach fisherman's chair. W. E. Pharo. 2,493,084, Jan. 3.
Collector, Automatic sample. P. H. Bell. 2,493,382, Jan. 3.
Combination pouch shopping bag. S. L. Pincus. 2,493,085, Jan. 3.
Composition for producing carbon dioxide from hydrogen and carbon containing compounds, and producing the same. C. Hach. 2,492,986, Jan. 3.
Composition of matter. R. S. Shelton and K. W. Wheeler. 2,493,090, Jan. 3.
Compressor, Externally finned hermetic. J. Touborg. 2,493,171, Jan. 3.
Compressor, Free-piston. E. Mercier and M. Ehlinger. 2,493,355, Jan. 3.
Condenser: *See*—
Wound condenser.
Condition of purity of hydrocarbons from mixtures containing them, Preparation in a. S. F. Birch, J. Habeshaw, and C. B. Collis. 2,493,567, Jan. 3.
Connection between shafts and shaft mounted members. C. J. Hahn. 2,493,402, Jan. 3.
Construction of outlet frames for hoppers. G. B. Dorey. 2,493,393, Jan. 3.
Container: *See*—
Double-walled container. | Transport container.
Key container.
Container closure. R. H. Horning. 2,493,671, Jan. 3.
Container with agitator mounted therein. W. S. Woodman. 2,493,210, Jan. 3.
Containers and apparatus therefor, Filling. H. A. Johnson. 2,493,583, Jan. 3.
Control apparatus. S. Crum and H. W. Sandhoff. 2,493,476, Jan. 3.
Control apparatus and switch therefor. M. L. Nelson. 2,493,464, Jan. 3.
Control apparatus for gas tubes. D. V. Edwards. 2,493,575, Jan. 3.
Control apparatus for internal-combustion engines. S. F. Hunt. 2,493,582, Jan. 3.
Control device. C. G. Kronmiller. 2,493,294, Jan. 3.
Control device. A. P. Simson. 2,493,323, Jan. 3.
Control device, Electrical. A. W. Daschke. 2,493,060, Jan. 3.
Control for intermittent drives. W. A. Freer. 2,492,970, Jan. 3.
Control mechanism. A. Hakanson. 2,492,988, Jan. 3.
Control system. F. B. Schramm. 2,493,365, Jan. 3.
Control system, Electric winch. K. Mahnke and E. B. Ankenman. 2,493,005, Jan. 3.
Control system, Magnetic. A. M. Candy. 2,493,388, Jan. 3.
Controlling catalyst regeneration temperature. C. V. Berger. 2,492,948, Jan. 3.
Controlling the temperature in a fluidized catalyst regeneration process. D. L. Campbell and J. M. Graham. 2,493,526, Jan. 3.
Controlling thread tension. M. Mooney. 2,493,259, Jan. 3.
Converting mannosidostreptomycin and dihydromannosidostreptomycin into streptomycin and dihydrostreptomycin, respectively. A. F. Langlykke and D. Pearlman. 2,493,489, Jan. 3.
Conveyor. H. W. Baehr. 2,493,333, Jan. 3.
Conveyor, Live roller. I. S. Eggleston. 2,493,479, Jan. 3.
Conveyor, Power-driven. R. B. Persson. 2,493,465, Jan. 3.
Conveyor structure. R. C. Gaddis and L. R. Gann. 2,493,451, Jan. 3.
Cooling arrangement of compression ignition internal-combustion engines. W. Foden and E. Twemlow. 2,493,532, Jan. 3.
Copolymerizing butadiene and styrene. W. A. Schulze and W. W. Crouch. 2,493,268, Jan. 3.
Copper and baths therefor, Electrodepositing. J. E. Stareck. 2,493,092, Jan. 3.
Core material and method, Gridded. G. B. Rheinfrank, Jr. 2,493,032, Jan. 3.
Cores for electrical apparatus, Making. M. Morrison. 2,493,414, Jan. 3.
Coupler for automotive vehicles, Dolly. E. B. Hedgpeth. 2,493,405, Jan. 3.
Coupler operating device, Railway. W. J. Tangerman. 2,493,469, Jan. 3.
Coupling: *See*—
Hydrodynamic coupling. | Valved hose coupling.
Coupling. A. Y. Dodge. 2,493,232, Jan. 3.
Coupling device. J. A. Bermingham, Jr. 2,493,521, Jan. 3.
Cover: *See*—
Wheel cover.
Cradles, Construction of. J. Chodacki and A. Zak. 2,493,655, Jan. 3.

Creeper for use on icy or other slippery surfaces. E. Arletti. 2,493,563, Jan. 3.
Crusher Cup. H. B. Halt. 2,493,193, Jan. 3.
Crystal apparatus, Piezoelectric. H. Jaffe. 2,493,145, Jan. 3.
Cupola type furnace. E. S. Renshaw and S. J. Sargood. 2,493,642, Jan. 3.
Cutout, Electrical. W. O. Schultz. 2,493,316–17, Jan. 3.
Cutout, Fused. E. H. Yonkers. 2,493,432–3, Jan. 3.
Cutter: *See*—
Gasket cutter.
Cutter for cutting food, Adjustable roller. C. S. Gustafson. 2,493,244, Jan. 3.
Cyanoalkylamino derivatives of acridine and their production. A. A. Goldberg and W. Kelly. 2,493,578, Jan. 3.
Cycle frame. V. Simon. 2,493,037, Jan. 3.
Cylinder and concave means for shelling peanuts. F. Funderburk. 2,493,533, Jan. 3.
Deburring tool. G. Sochia. 2,493,039, Jan. 3.
Deflection wave generator. C. L. Thorne. 2,493,044, Jan. 3.
Defrosting system. H. H. Curry. 2,492,970, Jan. 3.
Dehydrating peas. E. W. Flosdorf. 2,493,062, Jan. 3.
Detector calibration, Well logging. G. Herzog. 2,493,346, Jan. 3.
Device for actuating wall type switches. L. D. Hood. 2,493,581, Jan. 3.
Device for cutting the terminal eccentric run-out groove on phonograph records. F. Van Eps. 2,493,511, Jan. 3.
Diagnostic device, Electric blood pressure. W. J. Loria and J. Suhre. 2,493,301, Jan. 3.
Diaper construction. B. G. Dance. 2,493,113, Jan. 3.
Di-aryloxy-methanes. E. C. Britton, E. Monro, and C. R. Hand. 2,493,711, Jan. 3.
Dibenzylidene anhydroenneaheptitol. O. C. Dermer. 2,493,572, Jan. 3.
Digger, Posthole. D. W. Porter and O. F. Roehler. 2,493,261, Jan. 3.
Dihydroimidazolium compounds. H. A. Shonle and E. R. Shepard. 2,493,321, Jan. 3.
Dihydroimidazolium compounds, Substituted. H. A. Shonle and E. R. Shepard. 2,493,320, Jan. 3.
Dimers of angelica lactone. H. Wolff and W. W. Moyer. 2,493,373, Jan. 3.
Dimers of angelica lactone, Hydrogenated. H. Wolff and W. W. Moyer. 2,493,374, Jan. 3.
Direct-current machine. G. L. Godwin. 2,492,982, Jan. 3.
Director, Artillery. W. H. Boghosian, S. Darlington, and H. G. Och. 2,493,183, Jan. 3.
Dishwashing machine. P. M. Pappas. 2,493,691, Jan. 3.
Dispensing system, Liquefied gas. L. J. White. 2,493,708, Jan. 3.
Dispensing unit, Portable tablet. A. Burns. 2,493,616, Jan. 3.
Distillation of hydrocarbons with sulfur dioxide, Azeotropic. H. V. Hess. 2,493,537, Jan. 3.
Distributor, Powder. G. E. Lynn. 2,493,723, Jan. 3.
Door for railway cars, Hopper. J. S. Swann. 2,493,468, Jan. 3.
Door-mounted electric space heater. N. L. Foster. 2,493,125, Jan. 3.
Doorstop. R. V. Jenkins. 2,493,292, Jan. 3.
Double-walled container. L. T. Mart. 2,493,633, Jan. 3.
Drain fro vehicle ventilating windows. C. C. Koeln. 2,493,674, Jan. 3.
Drill bit. E. B. Williams, Jr. 2,493,178, Jan. 3.
Drive, Hydraulic. W. S. Keyser. 2,493,408, Jan. 3.
Driver, Lathe work. H. E. Durkee. 2,493,574, Jan. 3.
Drum, Brake. A. S. Van Halteren. 2,493,173, Jan. 3.
Drum, Film positioning. S. E. Bartelson. 2,493,056, Jan. 3.
Duck caller. G. J. Yentzen. 2,493,472, Jan. 3.
Dust clog indicator. W. R. Rose. 2,493,164, Jan. 3.
Dust collector. S. S. Meisler. 2,493,156, Jan. 3.
Dye pigment. W. B. Blumenthal. 2,492,959, Jan. 3.
Dynamometer, Electric. W. Ramberg. 2,493,029, Jan. 3.
Earphone insertable in the ear of the user, Magnetic insert. H. A. Pearson. 2,493,734, Jan. 3.
Eddy current preloaded controllable speed motor. F. W. Wendelburg and E. C. Brekelbaum. 2,493,607, Jan. 3.
Educational apparatus. J. N. Gonzales. 2,493,668, Jan. 3.
Electric lamp. P. H. MacMahon. 2,493,491, Jan. 3.
Electric motor. C. Nehrke. 2,493,082, Jan. 3.
Electrical switch. B. R. Criswell. 2,493,185, Jan. 3.
Electrical switch. L. J. Kalwo. 2,493,146, Jan. 3.
Electromagnet, Antivibration plunger type. F. E. Cairns, Jr. 2,493,386, Jan. 3.
Electron discharge device employing resonators. A. V. Haeff. 2,492,987, Jan. 3.
Electron discharge device of the magnetron type. J. M. Spooner and L. P. Garner. 2,493,423, Jan. 3.
Electronic switch. B. P. Washburne and J. A. Eyster. 2,493,706, Jan. 3.
Elevating device for raising gin poles on trucks. M. A. Adams. 2,493,099, Jan. 3.
Engine: *See*—
Internal-combustion engine.
Erecting means for gyro verticals. R. Haskins, Jr. and C. E. Barkalow. 2,492,995, Jan. 3.
Evaporator with concentric evaporating chambers, Rotary drum. J. E. Bibby. 2,493,220, Jan. 3.
Expansion joint. C. L. Haynes. 2,493,404, Jan. 3.
Extraction apparatus. E. G. Scheibel. 2,493,265, Jan. 3.
Extractor: *See*—
Fishhook extractor.
Fall-board, Piano. E. L. Schroth. 2,493,168, Jan. 3.
Fastener: *See*—
Hatch cover fastener.
Fastening arrangement between two members designed to fit into one another. J. Vandier. 2,493,277, Jan. 3.
Faucet and valve therefor. J. C. Hughes. 2,493,248, Jan. 3.
Faucet, Mixing. V. V. Elkins. 2,493,660, Jan. 3.
Feeler device for knitting machines. H. A. Tanguay. 2,493,557, Jan. 3.
Ferrous chloride in dry flake form, Preparing a hydrated. A. S. Henderson and E. A. Beidler. 2,493,629, Jan. 3.
Ferrule for holding erasers to the butt ends of pencils. A. P. Gagnon. 2,493,665, Jan. 3.
Ferrule for welding. C. S. Evans. 2,493,283, Jan. 3.
File, Portable power-driven. F. A. Cole. 2,493,226, Jan. 3.
Filing apparatus. R. P. Scholfield. 2,493,167, Jan. 3.
Filing system, Card. S. S. Karns. 2,493,538, Jan. 3.
Film for four-color photography, Light-sensitive bipack. J. A. Ball, A. B. Jennings, and O. W. Murray. 2,492,953, Jan. 3.
Film tank agitator. W. H. Carr, Jr. 2,493,441, Jan. 3.
Filter: *See*—
Variable polarizing color filter.
Filtering media, Air. C. N. O'Day. 2,493,726, Jan. 3.
Fire detecting system, Pressure type. H. S. Jones. 2,493,351, Jan. 3.
Fish bait, Artificial. C. L. Grimm. 2,493,487, Jan. 3.
Fishhook extractor. F. C. Hutton. 2,493,142, Jan. 3.
Fish lure. T. F. Wold. 2,493,431, Jan. 3.
Fishhook and snell holder, Plastic. L. E. Hamel. 2,493,344, Jan. 3.
Fishing reel. L. Techus. 2,493,428, Jan. 3.
Fixture, Detchable electric light. L. A. Minton. 2,493,684, Jan. 3.
Flashlight, Portable electric. B. F. Muldoon. 2,493,205, Jan. 3.
Flatiron holder. C. D. Stanley. 2,493,424, Jan. 3.
Flatiron stand. G. R. Harris. 2,493,455, Jan. 3.
Float, Trilobe. B. P. Labensky. 2,493,296, Jan. 3.
Floor treating composition. I. C. Elliott. 2,492,975, Jan. 3.
Flow mixer. D. A. Campbell. 2,493,387, Jan. 3.
Flow responsive device, Thermoelectric heat. L. M. K. Boelter, R. V. Dunkle, J. T. Gier, and R. C. Martinelli. 2,493,651, Jan. 3.
Fluid lubricated planetary piston water pump. E. C. Klekhaefer. 2,493,148, Jan. 3.
Fluid-pressure valve. E. R. Fitch. 2,493,449, Jan. 3.
Fluorination of unsaturated halocarbons with cerium tetrafluoride. E. T. McBee, R. M. Robb, and W. B. Ligett. 2,493,007–8, Jan. 3.
Focus determining device for photographic enlargers. W. D. Thompson. 2,493,558, Jan. 3.
Foldable reclining chair. K. E. A. Schmidt. 2,493,646, Jan. 3.
Folding chair. J. P. Meehan. 2,493,682, Jan. 3.
Folding paper box. W. G. Anderson, Jr. 2,493,281, Jan. 3.
Follow-up system, Electrical. M. F. Ketay and J. R. Miller. 2,493,585, Jan. 3.
Food compositions, Free-flowing. S. Musher. 2,493,080, Jan. 3.
Form for concrete messes, Movable. W. M. Records. 2,493,264, Jan. 3.
Forming piezo-electric crystals. C. W. MacConnell. 2,493,461, Jan. 3.
Forming sheet metal gutters. J. E. Navin. 2,493,415, Jan. 3.
Form-retaining materials and products thereof, Making. A. E. Murray. 2,493,310, Jan. 3.
Frame: *See*—
Cycle frame.
Frame for postage meters, Supporting. H. F. Ford. 2,493,188, Jan. 3.
Frequency divider. W. H. Bliss. 2,493,058, Jan. 3.
Frequency modulation system. R. L. Sproull. 2,493,091, Jan. 3.
Friction clutch. C. B. Spase. 2,493,700, Jan. 3.
Fruit mixing tank. R. Kennedy, Jr. 2,493,249, Jan. 3.
Fuel, Diesel engine. A. Farkas. 2,493,284, Jan. 3.
Full-wave noise-peak and output limiter. E. Toth. 2,493,045, Jan. 3.
Furnace: *See*—
Cupola type furnace.
Furnace. F. W. Haywood and D. S. Laidler. 2,493,246, Jan. 3.
Furnace. W. K. McCready and A. Schormuller. 2,493,304, Jan. 3.
Fuse, Combined. W. Weiss. 2,493,278, Jan. 3.
Fuse links, Manufacturing. J. L. Yonkers. 2,493,434, Jan. 3.
Game, Educational. J. E. De Baun. 2,493,477, Jan. 3.
Garment ensemble, Midriff attached. R. J. Muyleart. 2,493,545, Jan. 3.

Garment, Foundation. J. Leonard and H. M. Ihsen. 2,493,722, Jan. 3.
Garment hanger. M. J. Gogol. 2,493,131, Jan. 3.
Garment, Novelty. G. E. Fitches. 2,493,531, Jan. 3.
Garment, Pneumatic rupture control. G. L. Hicks, III. 2,493,406, Jan. 3.
Garment, Shooting. H. O. Smith. 2,493,370, Jan. 3.
Gas-flow control, Safety thermal. W. S. Thompson. 2,493,702, Jan. 3.
Gasholder. H. C. Boardman. 2,492,961, Jan. 3.
Gasket cutter. W. Wagner. 2,493,513, Jan. 3.
Gas processing for the synthesis of hydrocarbons. J. D. Hagy. 2,493,454, Jan. 3.
Gas-solid contact process. E. V. Bergstrom. 2,493,218, Jan. 3.
Gas turbine plant. W. Traupel. 2,493,509, Jan. 3.
Gate actuating mechanism for motion-picture machines. K. Brenkert. 2,493,440, Jan. 3.
Gauge: *See*—
Plug gauge.
Gear and throttle interlock, Selector. D. C. Peabody. 2,493,592, Jan. 3.
Gear shifting mechanism, Hydraulic. R. K. Le Blond and H. C. Kemper. 2,493,290, Jan. 3.
Gear struct with continuously circulating ball-type bearing, Offset landing. W. E. Eldred and F. J. Boody. 2,493,342, Jan. 3.
Gear wheel. J. C. Burton. 2,493,106, Jan. 3.
Generator: *See*—
Deflection wave generator.
Getter structure for electric discharge tubes. E. G. Dorgelo. 2,493,659, Jan. 3.
Gilsonite suspensions, Producing. D. M. Sutherland. 2,493,507, Jan. 3.
Glass, Feeding. C. T. Paquette and L. B. Webb. 2,493,260, Jan. 3.
Gluing machine, Margin. C. F. Schaefer. 2,493,165, Jan. 3.
Governor, Speed. G. E. Howard. 2,493,407, Jan. 3.
Grain-feeding and threshing means for harvesters, Combination. N. E. Bunting. 2,493,105, Jan. 3.
Grater having rotary drum, Food. R. McCoy. 2,493,496, Jan. 3.
Gravity actuated boat pump. C. I. Weir. 2,493,050, Jan. 3.
Grinding and polishing machine, Lens. P. Okey. 2,493,206, Jan. 3.
Grinding of elongated rollers that are curved lengthwise, Centerless. A. H. Lundius. 2,493,302, Jan. 3.
Ground trainer, Night and all-weather. C. J. Crane. 2,492,969, Jan. 3.
Guard, Rat. E. L. Bush. 2,493,107, Jan. 3.
Guide, Lay. E. A. Mastriani and K. Kulczycki. 2,493,634, Jan. 3.
Gun, Tank and spray. A. R. Lofstrand, Jr. 2,493,677, Jan. 3.
Gyrohorizon. A. J. Handel. 2,492,992, Jan. 3.
Hair-drying cap. M. L. Sapp. 2,493,363, Jan. 3.
Handbag having twin handbag portions, Reversible. M. Schwartzbard. 2,493,506, Jan. 3.
Handle construction for sandpaper holders. F. R. Schueller. 2,493,505, Jan. 3.
Handle for vehicles. D. W. Gill. 2,492,981, Jan. 3.
Hanger: *See*—
Clothesline hanger.
Garment hanger.
Metal suit and trouser hanger.
Harvester, Beet. T. W. Bohmker, C. W. Walz, and J. H. Clark. 2,492,962, Jan. 3.
Hat and constructional element therefor. S. B. Roberts. 2,493,361, Jan. 3.
Hat, Collapsible. E. H. Rankin. 2,493,500, Jan. 3.
Hatch cover fastener. R. C. Sabins. 2,493,034, Jan. 3.
Headlight system for automotive vehicles comprising selectively energized polarizing and nonpolarizing light sources, Antiglare. D. S. Grey. 2,493,192, Jan. 3.
Heat recovery in a fluidized catalyst regeneration. H. Z. Martin. 2,493,494, Jan. 3.
Heated refrigerator car. E. A. Sweeley and N. T. Anderson. 2,493,494, Jan. 3.
Heater: *See*—
Door-mounted electric space heater.
Water heater.
Heating apparatus, High-frequency, Electrical. H. D. Simpson. 2,493,425, Jan. 3.
Heating method and apparatus. N. E. Peery. 2,493,498, Jan. 3.
Heating unit, Electric. M. McGraw. 2,493,542, Jan. 3.
Heat-treating milk and cream. J. O. Fowler. 2,493,664, Jan. 3.
Heat-treating milk and cream in containers. J. O. Fowler. 2,493,663, Jan. 3.
Heat-treatment of cast iron. R. R. Campbell. 2,403,339, Jan. 3.
Hinge, Door closing control. H. S. Diebel. 2,493,115, Jan. 3.
Hinge, Door-closing control. H. S. Diebel. 2,493,118, Jan. 3.
Hinge, Hydraulic checking. H. S. Diebel. 2,493,117, Jan. 3.
Hinge, Spring. J. E. Olvis. 2,493,019, Jan. 3.
Hinge structure. W. A. Hellmann. 2,493,580, Jan. 3.
Hoist. F. W. Kroger. 2,493,150, Jan. 3.
Hoist, Hand. H. F. Parker and E. E. Robins. 2,493,727, Jan. 3.
Hoist holding means, Scaffold. H. S. Geer. 2,493,242, Jan. 3.
Hoisting device for line poles. H. C. Mott. 2,493,687, Jan. 3.
Holder: *See*—
Flatiron holder.
Pressing iron holder.
Thermionic valve holder.
Trip rope holder.
Holder and brush, Compact. A. Korody. 2,493,074, Jan. 3.
Holder for bobbins. R. D. Sedgewick. 2,493,208, Jan. 3.
Hook with opening means, Snap. W. T. Hanna. 2,492,991, Jan. 2.
Hoop, Skipping. H. Brunt and Q. E. Dohman. 2,493,224, Jan. 3.
Hubcap. M. Simcich. 2,493,366, Jan. 3.
Hydrocarbon conversion, Method and apparatus for. E. V. Bergstrom. 2,493,219, Jan. 3.
Hydrocarbon oils, Refining. G. H. Reman. 2,493,596, Jan. 3.
Hydrocarbons from unsaturated ketones, Preparation of unsaturated. S. A. Ballard, H. de V. Finch, and E. A. Peterson. 2,492,956, Jan. 3.
Hydrocarbons, Treatment of. D. E. Bergen. 2,493,384, Jan. 3.
Hydrodynamic coupling. A. P. Emmert. 2,493,240, Jan. 3.
Imidazolinium compounds. H. A. Shonle and E. R. Shepard. 2,493,322, Jan. 3.
Imidazolium compounds. H. A. Shonle and E. R. Shepard. 2,493,318, Jan. 3.
Imidazolium compounds, Substituted. H. A. Shonle and E. R. Shepard. 2,493,319, Jan. 3.
Immersion unit for radiation pyrometers. H. G. Mead. 2,493,078, Jan. 3.
Implement for applying coatings. R. S. Elsner. 2,493,480, Jan. 3.
Implement for severing corn kernels from cobs. G. J. Martin. 2,493,588, Jan. 3.
Incinerator for products of combustion engines, furnaces, and the like. C. Bellstedt. 2,492,947, Jan. 3.
Increasing filterability of magnesium hydroxide. T. Woodward. 2,493,051, Jan. 3.
Index and signal. C. F. Wolters. 2,493,211, Jan. 3.
Index, Card. W. P. De Saussure. 2,493,530, Jan. 3.
Indicator: *See*—
Balanced-diaphragm dynamometer torque indicator.
Dust clog indicator.
Vehicle direction indicator.
Indicator. W. Rabe. 2,493,313, Jan. 3.
Inhibiting corrosion in wells. P. L. Menaul. 2,493,462, Jan. 3.
Inks, Quick-drying writing. R. L. Mayhew. 2,493,724, Jan. 3.
Instrument control. L. Spraragen. 2,493,272, Jan. 3.
Instrument for drawing ellipses or the like. J. W. Dibrell and P. White. 2,493,220, Jan. 3.
Instrument for testing tachometers and speedometers. D. R. Putt. 2,493,028, Jan. 3.
Instrument having pluckable teeth, Musical. T. R. Duncan. 2,493,119, Jan. 3.
Instrument, Magnetically biased indicating. J. L. Zar. 2,493,376, Jan. 3.
Instrument, Musical. J. A. Oswald. 2,493,358, Jan. 3.
Internal-combustion engine. W. V. Falcon. 2,493,481, Jan. 3.
Internally expanding brake. E. Zipper. 2,493,055, Jan. 3.
Introducing bismuth into steel or iron baths. G. N. Kirsebom. 2,493,251, Jan. 3.
Introducing liquid fertilizer into irrigation streams. W. F. Aycock. 2,492,944, Jan. 3.
Iodinated 2-aminothiazole, Preparing. Y. Garreau. 2,493,399, Jan. 3.
Iron pentacarbonyl and motor fuel containing the same, Stabilized. R. E. Christ. 2,493,712–17, Jan. 3.
Jar and tumbler cap lifting and removing tool. E. G. Boucher. 2,493,438, Jan. 3.
Jar lifter. A. C. Reece. 2,493,314, Jan. 3.
Joint: *See*—
Expansion joint.
Pipe joint.
Ketotetrahydropyridine derivatives and hydroxypyridine derivatives, Manufacture of. F. Bergel and A. Cohen. 2,493,520, Jan. 3.
Keycase, Flexible. L. Simon. 2,493,554, Jan. 3.
Key container. C. J. Zimmerman. 2,493,330, Jan. 3.
Kite, Airplane type. A. J. Tomczyk and M. C. Spreitzer. 2,493,704, Jan. 3.
Knitting machine. M. Zimic and A. Miskovsky. 2,493,054, Jan. 3.
Lactone acids and derivatives thereof. H. Wolff and W. W. Moyer. 2,493,375, Jan. 3.
Ladle having tap rod raising and lowering mechanism with laterally adjustable actuating lever, Bottom tap foundry. W. W. Reed. 2,493,594, Jan. 3.
Lamp: *See*—
Electric lamp.
Lapping machine, Automatic screw thread. A. M. Drake. 2,493,573, Jan. 3.
Latch mechanism. F. Gerson. 2,493,624, Jan. 3.
Latching device with stamped catch. R. K. Nottingham. 2,493,016, Jan. 3.
Lathe control movement. G. E. Cuttat. 2,493,621, Jan. 3.
Launching device, Airplane. W. Nelson. 2,493,013, Jan. 3.

Lead dinitroresorcinate, Production of normal. L. Rubenstein. 2,493,551, Jan. 3.
Lead salts of 2:4 dinitro resorcinol, Preparation of basic. L. Rubenstein. 2,493,549–50, Jan. 3.
Lead wire straightening machine. A. J. Vasselli. 2,493,560, Jan. 3.
Lens focusing and adjusting device. T. J. Morgan and G. P. Hazzard. 2,493,463, Jan. 3.
Lens for focusing infrared and ultraviolet rays. G. M. Corman. 2,493,110, Jan. 3.
Lever engine action. C. C. Chronic and C. A. Shaffer. 2,493,718, Jan. 3.
Lever for looms, Shipper. C. D. Brown. 2,493,104, Jan. 3.
Lift control system, Vertical. L. H. Kiesling. 2,493,293, Jan. 3.
Lifter: *See*—
Jar lifter.
Lifter roof storage tank. H. C. Boardman, F. L. Goldsby, and C. M. Orr. 2,492,960, Jan. 3.
Lightweight aggregates, Producing. F. W. Kelley, Jr. 2,493,198, Jan. 3.
Lighter, Cigarette. R. T. Fitzpatrick. 2,493,662, Jan. 3.
Lighter, Table. H. Negbaur. 2,493,081, Jan. 3.
Lighting device, Electric. A. Goldstein. 2,493,626, Jan. 3.
Link, Fuse. S. R. Smith, Jr. 2,493,601, Jan. 3.
Loader, Manure. L. M. Fourman. 2,493,397, Jan. 3.
Loading and cleanout device, Pipe-line cleaner. W. H. Roberts. 2,493,504, Jan. 3.
Loading device, Cartridge clip. E. F. Wangrow. 2,493,048, Jan. 3.
Lock: *See*—
Single or multiple key lock.
Lock nut, Crane hook. J. L. Criswell. 2,493,282, Jan. 3.
Locking means, Barrel cover. F. Mauer. 2,493,204, Jan. 3.
Locking mechanism for operation-control mechanism for motion-picture cameras. I. Ciszki. 2,493,443, Jan. 3.
Lubricant. M. S. Altamura. 2,493,213, Jan. 3.
Lubricant, Marine engine. C. E. Francis and R. C. Jones. 2,493,483, Jan. 3.
Lubricating system. C. C. S. Le Clair. 2,493,490, Jan. 3.
Lubrication apparatus for engines. H. B. Jaynes. 2,493,350, Jan. 3.
Lubrication, Stuffing box. E. A. F. Presser. 2,493,312, Jan. 3.
Luminaire, Street lighting. T. W. Rolph. 2,493,087, Jan. 3.
Lure for fish, Spinning. L. T. Puretl and A. Manista. 2,493,692, Jan. 3.
Machine for applying transfers. K. H. Brownlee. 2,493,523, Jan. 3.
Machine for decorating glass, Automatic. A. Marchand. 2,493,540, Jan. 3.
Machine for sealing ampoules and the like. J. F. and H. H. Kablenberg. 2,493,070, Jan. 3.
Machine for sharpening the knives of lawn mowers. E. F. Comstock. 2,493,619, Jan. 3.
Machine for use in the manufacture of insoles. H. C. Paulsen. 2,493,207, Jan. 3.
Machine for washing annular articles. C. Hirsch. 2,493,291, Jan. 3.
Machine tool. S. L. Casella, R. Kurzweil, and J. J. Pesqueira. 2,493,475, Jan. 3.
Magnetron cavity structure and manufacture of same. G. A. Espersen. 2,493,661, Jan. 3.
Maker and dispenser, Ice-cream. D. A. Elwell. 2,493,395, Jan. 3.
Mask, Photographic sound recording aperture. L. T. Sachtleben. 2,493,088, Jan. 3.
Masticator. M. Hercog. 2,492,997, Jan. 3.
Materials for imparting water repellency to textile materials and producing and using the same. M. Pollock and E. Zerner. 2,493,360, Jan. 3.
Mats, Manufacture of bonded fiber. A. W. Heino. 2,493,194, Jan. 3.
Mattress. L. J. Goldsmith. 2,493,067, Jan. 3.
Measurer for marking trousers to be shortened. M. Compinno. 2,493,618, Jan. 3.
Measuring device, Electronic time. I. E. Grosdoff. 2,493,627, Jan. 3.
Mechanical device for converting direct current into high-frequency alternating current. J. L. McCoy and D. H. MacDonald. 2,493,354, Jan. 3.
Mechanism for feeding continuous stationery in recording machines. F. E. Lanegan and J. Tibble. 2,493,411, Jan. 3.
Metal suit and trouser hanger. M. W. Boyd. 2,493,385, Jan. 3.
Metallic enamels, Synthetic resin. Le V. K. Osdal and R. E. Pike. 2,493,020, Jan. 3.
Metals and products produced thereby, Pouring. H. E. Dunn, H. W. Rathmann, and H. C. Parkman. 2,493,394, Jan. 3.
Meter: *See*—
Water meter.
Meter used in photographic enlarging or reproducing work, Optical comparison exposure. L. Kulman. 2,493,673, Jan. 3.
Methanol production. A. V. Grosse and J. C. Snyder, 2,492,983, Jan. 3.
Mica product and making the same. A. E. Parkinson. 2,493,693, Jan. 3.
Mica product and making the same. R. H. Shepard. 2,493,694, Jan. 3.
Mineral oil composition. H. G. Berger and E. W. Fuller. 2,493,216–17, Jan. 3.
Minimizing deposition of carbonaceous material, Method of and apparatus for. R. C. Lassiat. 2,492,998–9, Jan. 3.
Minimizing deposition of carbonaceous material, Method of and apparatus for. R. T. Savage. 2,493,035, Jan. 3.
Minimizing deposition of carbonaceous material, Method of and apparatus for. R. T. Savage and D. D. McKinney. 2,493,036, Jan. 3.
Mining of sulfur. De W. T. McIver, C. O. Lee, and B. A. Axelrad. 2,493,413, Jan. 3.
Mirror, Multiple view safety. H. E. Orser. 2,493,546, Jan. 3.
Mixer: *See*—
Flow mixer.
Modulator. J. W. Gray. 2,493,669, Jan. 3.
Motion-picture apparatus. O. J. Blanchet. 2,493,612, Jan. 3.
Monitoring system for sound recording. L. T. Sachtleben. 2,493,089, Jan. 3.
Monitoring system of comparator type. C. J. Merchant. 2,493,543, Jan. 3.
Motor: *See*—
Eddy current preloaded controllable speed motor.
Electric motor.
Pressure fluid motor.
Motor-control circuit. C. E. Germanton. 2,493,064, Jan. 3.
Motor speed control. C. Mott and A. F. Chouinard. 2,493,079, Jan. 3.
Mount for electron discharge devices. K. H. Simpson. 2,493,555, Jan. 3.
Mount, Telescope. M. Leupold. 2,493,254, Jan. 3.
Mounting: *See*—
Ship's compass mounting.
Mounting and mounting assembly for adhesived articles. W. M. Scholl. 2,493,267, Jan. 3.
Mounting bracket. F. J. Balthaser. 2,492,945, Jan. 3.
Mounting corner. N. R. Thurston. 2,493,276, Jan. 3.
Mounting for vertical dispensers, Roller. L. A. Geistert. 2,493,485, Jan. 3.
Mounting for window ventilators. B. Essick. 2,493,123, Jan. 3.
Mover, Dirt and snow. F. B. Arps. 2,493,565, Jan. 3.
Multiplier, Signal mixing electron. J. C. Ferguson 2,492,976, Jan. 3.
N,n′-diacyl-tetrahydro-1,3,5-oxadiazines. M. Hunt and H. W. Bradley. 2,493,068, Jan. 3.
Necktie finisher. C. E. Langley. 2,493,252, Jan. 3.
Network, Microwave detector. T. M. Gluyas, Jr. 2,493,066, Jan. 3.
Nicotinic acid-β-picolyl-amide and the manufacture thereof. R. Schläpfer. 2,493,645, Jan. 3.
Nozzle, Grid spray. E. J. Nutter. 2,493,017, Jan. 3.
Nozzle member used for the drying of textile and other materials. J. Dungler. 2,492,974, Jan. 3.
Nozzle, Spray or atomizer. F. A. Simmons. 2,493,209, Jan. 3.
Nozzle, Valve controlled multiple outlet. H. S. Garabedian. 2,493,719, Jan. 3.
Occupant propelled vehicle. E. A. Eskola. 2,493,124, Jan. 3.
Odontalgic device. M. Negri. 2,493,416, Jan. 3.
Oil and gas separator. E. R. Williams. 2,493,095, Jan. 3.
1-alkyl-2-phenyl-3-alkyl indanes and manufacture. U. V. Solmssen. 2,493,729, Jan. 3.
Opera chair. R. H. McCullogh. 2,493,303, Jan. 3.
Optical means for registering printing surfaces. E. L. Harley. 2,493,628, Jan. 3.
Optical projection of raceway contours and the like, Method and apparatus for. C. C. Stevens. 2,493,325 Jan. 3.
Organic compounds and obtaining the same, Stabilized. E. W. Tillitson. 2,493,471, Jan. 3.
Organic reactions. A. V. Grosse and J. C. Snyder. 2,492,984, Jan. 3.
Orifice cleaning means. W. S. Landon. 2,493,297, Jan. 3.
Oscillator, Blocking. A. R. Applegarth, Jr. 2,493,517, Jan. 3.
Oscillator power output maximizing system. S. E. Miller. 2,493,011, Jan. 3.
Oxidation of hydrocarbons in the presence of liquid catalytic films. A. V. Grosse and J. C. Snyder. 2,492,985, Jan. 3.
P-nitro-o-methylsulfonebenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. J. B. Dickey. 2,492,971, Jan. 3.
P-nitro-o-trifluoromethylbenzeneazo-n-β-cyanoethyl-n-hydroxyalkylaniline dye compounds. J. B. Dickey. 2,492,972, Jan. 3.
Paintbrush embodying handle drip chamber. A. F. Wirth. 2,493,329, Jan. 3.
Pallet, Loading. P. J. Yarman. 2,493,562, Jan. 3.
Pan, Coaster. W. Ruka. 2,493,315, Jan. 3.
Paper clip. H. C. Yale. 2,493,052, Jan. 3.
Paper of asbestos and bentonite, Insulating. T. R. Walters. 2,493,604, Jan. 3.

Parking system, Automobile. F. Mariano. 2,493,495, Jan. 3.
Penicillin, Production of. M. W. Goldberg and S. Teitel. 2,493,625, Jan. 3.
Pentachlorocyclopentenone, Preparation of. E. T. McBee and J. S. Newcomer. 2,493,009, Jan. 3.
Phonograph system and stylus therefor. W. F. Smith. 2,493,406, Jan. 3.
Phosphite esters in the stabilization of linear polyamides, Use of. D. A. Rothrock, Jr., and R. F. Conyne. 2,493,597, Jan. 3.
Photograph negative etching tool. V. E. Fulkerson. 2,493,128, Jan. 3.
Photographic four-color light-sensitive stripping elements. J. A. Ball, A. B. Jennings, and O. W. Murray. 2,492,952, Jan. 3.
Photographic four-color light-sensitive stripping elements. J. A. Ball, A. B. Jennings, and O. W. Murray. 2,492,954, Jan. 3.
Phytate purification. H. Gehman and W. Hach. 2,493,666, Jan. 3.
Pick shaft assembly. F. G. Lake and E. H. Ashton. 2,493,631, Jan. 3.
Pipe joint. G. T. Grigg. 2,493,452, Jan. 3.
Plate, Piezoelectric crystal. H. Jaffe. 2,493,144, Jan. 3.
Plate, Shuttle box. E. H. Ashton. 2,493,611, Jan. 3.
Plug and socket connection. J. F. Kenure and H. F. Whitmarsh. 2,493,457, Jan. 3.
Plug gauge. E. W. Dower. 2,493,233, Jan. 3.
Plug retriever, Fishing. W. N. Adams, Jr. 2,493,100, Jan. 3.
Polymer of 2-vinylidibenzofuran, Hydrogenated. E. A. Kern. 2,493,584, Jan. 3.
Polymeric addition products of reactive methylenic compounds and sulfone-activated ethylenic compounds. D. L. Schoene. 2,493,364, Jan. 3.
Polyoxyalkylene compounds. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,492,955, Jan. 3.
Polyoxyethylene esters for improving frozen confections. A. B. Steiner and A. Miller. 2,493,324, Jan. 3.
Position finder. I. Wolff. 2,493,097, Jan. 3.
Positioning device. T. P. Hearne. 2,493,290, Jan. 3.
Potentiometer, Nonarcing. C. F. Sopcak. 2,493,040, Jan. 3.
Power transmission. R. L. Tweedale. 2,493,510, Jan. 3.
Power transmission. H. F. Vickers. 2,493,512, Jan. 3.
Pressing iron holder. H. G. Lautenschlager. 2,493,201, Jan. 3.
Pressure fluid motor. V. C. Sterrett. 2,493,602, Jan. 3.
Pressure regulator. L. B. Courtot. 2,493,111, Jan. 3.
Pressure releasing device. H. N. Rider. 2,493,644, Jan. 3.
Pressure responsive means, Differential. H. Ziebolz. 2,493,180, Jan. 3.
Pretreating hydrocarbons to be isomerized. S. F. Perry. 2,493,499, Jan. 3.
Prevention of degradation of textile fibers by acids. J. D. Reid, W. K. Ward, Jr., and L. W. Mazzeno, Jr. 2,493,031, Jan. 3.
Prevention of foaming in steam generation. L. O. Gunderson. 2,493,453, Jan. 3.
Projection device, Kaleidoscopic image. W. C. Eddy. 2,493,237, Jan. 3.
Projector, Hand disk. E. E. Hansen. 2,493,245, Jan. 3.
Projector with masking device, Kaleidoscopic image. W. C. Eddy. 2,493,238, Jan. 3.
Propeller blade construction, Hollow steel. W. C. Heath. 2,493,139, Jan. 3.
Protector: *See*—
Baby moistureproof diaper protector.
Railway car door protector.
Pseudo esters of levulinic acid. D. P. Langlois and H. Wolff. 2,493,676, Jan. 3.
Pulleys, Making. F. Zatyko. 2,493,053, Jan. 3.
Pulse generating circuit. E. W. Anderson and T. J. McDermott. 2,493,379, Jan. 3.
Pump: *See*—
Fluid lubricated planetary piston water pump.
Gravity actuated boat pump.
Rotary pump.
Sliding vane pump.
Variable and reversible flow pump.
Pump assembly, Hydraulic. R. Amsler. 2,493,280, Jan. 3.
Pump for cutting oil. J. Sunnen. 2,493,467, Jan. 3.
Pusher. S. B. Martin. 2,493,680, Jan. 3.
Puzzle, Profile building. E. Raczkowski. 2,493,697, Jan. 3.
Rack: *See*—
Warming rack.
Radio receiver noise muting circuit. M. G. Crosby. 2,493,440, Jan. 3.
Radio receiver system. H. Sussman. 2,493,093, Jan. 3.
Rail for conveyers, Guide. M. E. and C. F. Speicher. 2,493,169, Jan. 3.
Railway car door protector. P. J. Hogan. 2,493,720, Jan. 3.
Range, Photoelectric miniature radio. D. R. Butterly. 2,492,964, Jan. 3.
Reaction of methane with sulfur trioxide. J. C. Snyder and A. V. Grosse. 2,493,038 Jan. 3.
Reclaiming vulcanized polymers by treatment with metalloid hydrides. F. P. Baldwin. 2,493,518, Jan. 3.
Recovering scrap metal. F. D. Chew. 2,493,391, Jan. 3.
Recovery of silver from solutions of silver salts. E. Farber and M. Sciascia. 2,493,396, Jan. 3.
Rectifier and inverter, Synchronous. K. L. Hansen. 2,493,403, Jan. 3.
Rectifier, Argentous. M. Lazarus. 2,493,076, Jan. 3.
Rectifier, Dry plate selenium. S. S. Fry. 2,493,241, Jan. 3.
Rectifier of the selenium type, Metal. E. A. Richards. 2,493,643, Jan. 3.
Reel: *See*—
Fishing reel.
Reflector, Pattern density ray approximating. I. J. Barber. 2,492,946, Jan. 3.
Refrigerator and air-cooling unit, Combined electrical. O. J. Alvarez. 2,493,378, Jan. 3.
Refrigerator, including a humidity control system, Two temperature. W. D. Jordan and P. D. Van Vliet. 2,493,488, Jan. 3.
Regulating device for electromagnetic driven vibratory pendulums. C. F. Ahlberg. 2,493,101, Jan. 3.
Regulator: *See*—
Pressure regulator.
Regulator with thermal reset, Immersion temperature. A. Käser. 2,493,456, Jan. 3.
Relay. R. Vradenburgh. 2,493,371, Jan. 3.
Release for camera shutters, Cable. S. A. Russell. 2,493,728, Jan. 3.
Relief duplication. J. J. Braund. 2,493,439, Jan. 3.
Rendering fats, Method and apparatus for. R. Koppit and C. J. Davis, Jr. 2,493,459, Jan. 3.
Reproducing and translating apparatus. R. W. Battosser. 2,493,519, Jan. 3.
Resonator, Tunable high-frequency cavity. R. O. Haxby. 2,492,996, Jan. 3.
Retainer for garments, Pleat. C. D. Gilbert. 2,493,400, Jan. 3.
Retractor, Self-retaining abdominal. L. M. Rozek. 2,493,598, Jan. 3.
Reverberation system, Synthetic. H. F. Olson. 2,493,638, Jan. 3.
Reversible brief case. S. L. Beder. 2,493,182, Jan. 3.
Riboflavin by fermentation process, Production of. B. Tabenkin. 2,493,274, Jan. 3.
Ring ensemble, Interlocking. L. Granat. 2,493,285, Jan. 3.
Rod: *See*—
Weld rod.
Rotary pump. L. Dinesen and L. J. Olson. 2,493,478, Jan. 3.
Rotor for electric machines and making the same. M. W. Brainard. 2,493,102, Jan. 3.
Safety apparatus for elevators. E. A. Sahlin. 2,493,553, Jan. 3.
Safety device for furnaces. A. Willett. 2,493,608, Jan. 3.
Salt compositions, Preparing basic. J. A. Porvasnik. 2,493,262, Jan. 3.
Salt-type combinations of p-amino-methyl-benzene-sulfonamides and substituted p-amino-benzene-sulfonamides. W. A. Lott and K. A. Losee. 2,493,632, Jan. 3.
Sausage. J. J. Frank and J. C. Macy. 2,493,063, Jan. 3.
Scale projection means for weighing balances. S. R. Green. 2,493,133, Jan. 3.
Scoop for separable fastener stringers. L. H. Morin. 2,493,308, Jan. 3.
Scooter. M. L. Hatfield. 2,493,287, Jan. 3.
Scrubbing apparatus, Ore. A. J. Weinig. 2,493,049, Jan. 3.
Seal, Door. C. G. Bauer. 2,493,566, Jan. 3.
Seal, Fluid. S. M. Lillis. 2,493,255, Jan. 3.
Seal for spindles of vacuum valves. V. T. Malcolm. 2,493,152, Jan. 3.
Sealer, Jar. W. M. Cassidy. 2,493,225, Jan. 3.
Sealing means for liquid storage tanks. F. B. Booz. 2,492,963, Jan. 3.
Seat: *See*—
Toilet seat.
Selective output saturable reactor amplifier circuit. P. Glass. 2,493,130, Jan. 3.
Selector mechanism, Automatic. F. G. Eskuchen. 2,493,622, Jan. 3.
Selector mechanism, Automatic. S. W. McKellip. 2,493,635, Jan. 3.
Separator: *See*—
Oil and gas separator.
Separator for crankcase vapors, Oil. H. A. Chubbuck. 2,493,617, Jan. 3.
Servo system, Damped. J. D. Peterson. 2,493,593, Jan. 3.
Servomotor control. A. Warsher. 2,493,605, Jan. 3.
Setting and expanding agents for resins. W. A. La Lande, Jr., and H. Green. 2,493,075, Jan. 3.
Severing and clamping means, Web. O. Cooksey. 2,492,968, Jan. 3.
Shaft extension for electric motors. W. C. Heath. 2,493,140, Jan. 3.
Shaker, Salt and pepper. E. B. Coleman. 2,493,109, Jan. 3.
Shaping machine. H. C. Bramel. 2,493,103, Jan. 3.
Shears, Air operated. G. Potstada. 2,493,696, Jan. 3.
Sheet turner, Music. R. E. Allenbach. 2,493,610, Jan. 3.
Ship's compass mounting. E. E. Stipsky. 2,493,043, Jan. 3.
Shock and sway resisting overload spring. R. Tuck, T. E. Hughes, and A. U. Rigby. 2,493,172, Jan. 3.

Shoe. G. H. Mavrakis. 2,493,154, Jan. 3.
Shoe shiner with movable shoe polish applying receptacle, Electric. V. E. Taylor. 2,493,426, Jan. 3.
Shoes with a counter cover element, Making slip-lasted. J. Meltzer. 2,493,497, Jan. 3.
Shutter having a pivoted blade and cover blind, Photographic. J. A. Henne. 2,493,195, Jan. 3.
Shuttle changing means for weaving looms, Automatic. E. A. Butin. 2,493,570, Jan. 3.
Shuttle loom, Continuous path gripper. V. Werner and K. Kubelka. 2,493,515, Jan. 3.
Shuttle, Self-threading. S. I. Bright. 2,493,508, Jan. 3.
Shuttle, Weft detecting. F. Daniels. 2,493,114, Jan. 3.
Signal device. H. L. Berry. 2,493,437, Jan. 3.
Signal mechanism, Motion-picture reel end. L. Cohen and S. R. Rahn. 2,493,340, Jan. 3.
Signaling device. L. Christopher. 2,493,112, Jan. 3.
Signaling means for training devices. G. A. Decker. 2,493,228, Jan. 3.
Single or multiple key lock. M. E. Julliard. 2,493,630, Jan. 3.
Sintering apparatus, Rotating. O. Rolfsen. 2,493,421, Jan. 3.
Sirup and beverage, Stabilized chocolate. B. S. Whittingham. 2,493,732, Jan. 3.
Ski, Landing. J. R. Carr. 2,492,905, Jan. 3.
Skimmer, Foam. H. A. Schmitz, Jr. 2,493,166, Jan. 3.
Skinning meat. W. F. Weber. 2,493,707, Jan. 3.
Sliding vane pump. De F. C. Inman. 2,493,197, Jan. 3.
Snap-on-cover. J. D. Reifsnyder. 2,493,086, Jan. 3.
Snowplow. H. A. Genthe. 2,493,667, Jan. 3.
Solarium, Portable. A. Wandyak. 2,493,328, Jan. 3.
Solution for anodic polishing of steel and iron articles. M. B. Hammond and G. B. Bowman. 2,493,579, Jan. 3.
Spindle, Pneumatic cotton-picking. C. O. Arneson. 2,493,564, Jan. 3.
Spinning device. O. M. Gahagan. 2,493,129, Jan. 3.
Spinning of textile fibers, Wet. E. V. Painter, Jr. 2,493,359, Jan. 3.
Spray head, Rotatable. N. M. Rieger. 2,493,595, Jan. 3.
Spray residue removal composition and method. R. H. Larsen and F. Bresee, Jr. 2,493,460, Jan. 3.
Spring: *See*—
  Shock and sway resisting overload spring.
Sprinkler. P. C. Crowder. 2,493,528, Jan. 3.
Stabilization of halogenated organic compounds. R. M. Thomas. 2,493,427, Jan. 3.
Stabilization of polymerizable mixtures. H. L. Gerhart. 2,493,343, Jan. 3.
Stabilization of polymers with an inorganic peroxide and an ester of an oxyacid of phosphorus. C. J. Chaban. 2,493,390, Jan. 3.
Stabilization of xylidine. J. C. Munday. 2,493,544, Jan. 3.
Stabilizing sulfated products. J. R. Clark and J. D. Malkemus. 2,493,444, Jan. 3.
Stabilizing sulfated products. J. R. Clark, J. D. Malkemus, and J. Ross. 2,493,445, Jan. 3.
Stabilizing system. C. R. Hanna. 2,492,990, Jan. 3.
Stand: *See*—
  Buffing stand. Flatiron stand.
Staple driving machine. R. E. Peterson. 2,493,640, Jan. 3.
Steam generating boiler. J. Marini. 2,493,678, Jan. 3.
Stilt, Adjustable. L. T. Price. 2,493,027, Jan. 3.
Storage unit, Refrigerating. G. B. Wagner. 2,493,647, Jan. 3.
Stringer, Separable fastener. L. H. Morin. 2,493,309, Jan. 3.
Strip, Folded. A. Unger. 2,493,559, Jan. 3.
Stripper having auxiliary pneumatic means, Cotton. H. Sartin. 2,493,422, Jan. 3.
Sulfur-containing carboxylic acid esters. J. D. Kendall and H. D. Edwards. 2,493,071, Jan. 3.
Support: *See*—
  Automobile clothes hanger Vehicle support.
  support.
Support for electric heating apparatus. L. Marano. 2,493,541, Jan. 3.
Supporting and sealing member. A. L. Stone. 2,493,556, Jan. 3.
Surface treating device. K. H. Barnes. 2,493,215, Jan. 3.
Suspension for vehicles, Beam. R. W. Pointer. 2,493,025, Jan. 3.
Suspension for vehicles, Resilient. R. W. Pointer. 2,493,026, Jan. 3.
Sweater construction. W. J. Kuehnel. 2,493,675, Jan. 3.
Sweep circuit. C. R. Seaward. 2,493,600, Jan. 3.
Switch: *See*—
  Air flow interlock switch. Treadle switch.
  Electrical switch. Vibration-proof thermostatic switch.
  Electronic switch.
Switch for floor lamps. J. M. Puffer. 2,493,419, Jan. 3.
Switchgear, Electric. D. A. J. Oxley. 2,493,689, Jan. 3.
Synchronizing signal separating circuit. J. Kuperus. 2,493,353, Jan. 3.
Synergistic antioxidants and preparing the same. L. A. Hall. 2,493,288, Jan. 3.
Table attached infant's chair. F. E. Ducey. 2,493,187, Jan. 3.
Table with foldable legs, Ironing. J. B. O'Connor. 2,493,018, Jan. 3.
Tall oil esters. S. O. Greenlee. 2,493,486, Jan. 3.
Tampon for control of intractable nasal hemorrhages. J. H. Trinder. 2,493,326, Jan. 3.
Tandem variable resistor control. W. H. Budd, M. B. Arisman, and R. R. Thompson. 2,493,184, Jan. 3.
Tank: *See*—
  Fruit mixing tank. Lifter roof storage tank.
Tank with breather opening in fill pipe. F. P. Scully. 2,493,699, Jan. 3.
Tape and pencil, Combination measuring. J. G. Harmon. 2,493,345, Jan. 3.
Target for pickup tubes. H. B. Law. 2,493,539, Jan. 3.
Teaching device, Time. B. H. Hathaway. 2,493,138, Jan. 3.
Telemetric apparatus. G. M. Thynell. 2,493,508, Jan. 3.
Telephone system, Intercommunicating. A. W. Vincent. 2,493,174, Jan. 3.
Telephone system, Multiexchange. K. E. Lundkvist. 2,493,258, Jan. 3.
Temperature sensing device, Electric. M. P. Odell. 2,493,311, Jan. 3.
Terminal, Battery cable. J. B. Casey. 2,493,889, Jan. 3.
Testing apparatus, Cable splice. C. E. Lewis. 2,493,077, Jan. 3.
Testing device for seismic signal apparatus. J. E. Hawkins. 2,493,534, Jan. 3.
Testing machine, Hydraulic pipe. J. U. Devine, G. T. Radford, and M. S. Gettig. 2,493,061, Jan. 3.
Textiles, Crease-proofing. L. Balassa. 2,493,381, Jan. 3.
Thermionic valve holder. S. T. Denkin. 2,493,658, Jan. 3.
Thioindigo pigments, Production of improved. D. B. Killian. 2,493,072, Jan. 3.
Tire chain and attachment means therefor. H. Prelin. 2,493,263, Jan. 3.
Tire, Pneumatic. P. M. Bourdon. 2,493,614, Jan. 3.
Tire, Pneumatic. J. W. Waber. 2,493,047, Jan. 3.
Tire, Pneumatic. M. Watter. 2,493,731, Jan. 3.
Toilet seat. E. Rocker. 2,493,362, Jan. 3.
Tool: *See*—
  Deburring tool. Machine tool.
  Jar and tumbler cap lifting and removing tool. Photograph negative etching tool.
Tool for expanding and sizing the ends of metallic tubes. G. E. Franck. 2,493,127, Jan. 3.
Tool holder and work stabilizer, Combined lathe. H Guerin. 2,493,286, Jan. 3.
Tool mechanism. L. J. Bouchard. 2,493,473, Jan. 3.
Toothbrush, Rotary. J. L. Ckolu. 2,492,966, Jan. 3.
Toroidal transmission. R. Chilton. 2,493,571, Jan. 3.
Tower, Hoisting. R. V. Payne. 2,493,695, Jan. 3.
Toy cannon. B. Wagman. 2,493,429, Jan. 3.
Track layout for loading and unloading. W. E. McDonald 2,493,010, Jan. 3.
Track, Self-locking, sliding door. A. M. Olds. 2,493,162, Jan. 3.
Trailer, Camping. Q. P. Massare. 2,493,258, Jan. 3.
Trailer for transporting automobiles. E. V. Garnett. 2,492,980, Jan. 3.
Transformer with regulating choke coils. A. Meyerhans. 2,493,683, Jan. 3.
Transmission for autocycles, Drive. A. C. Thornton. 2,493,275, Jan. 3.
Transmission, Power take-off. H. J. Greiner. 2,493,132, Jan. 3.
Transmission, Variable-speed. E. Orshansky, Jr. 2,493,418, Jan. 3.
Transmitting system, Radio. L. W. Franklin. 2,493,484, Jan. 3.
Transport container. R. Rausing. 2,493,163, Jan. 3.
Transport, Disk. R. Dilley. 2,493,230, Jan. 3.
Trap: *See*—
  Animal trap.
Tray, Ice-making. L. R. Smith. 2,493,270, Jan. 3.
Tray, Infant's dressing. C. R. Gunter. 2,493,401, Jan. 3.
Treadle switch. C. N. Merralls and H. E. Melchior. 2,493,157, Jan. 3.
Tricycle, Two-seated. H. S. Williams. 2,493,561, Jan. 3.
Trip rope holder. H. Houser. 2,493,247, Jan. 3.
Tube expander. C. A. Maxwell. 2,493,006, Jan. 3.
Tuning apparatus, High-frequency electroexpansive. S. F. Varian and E. L. Ginzton. 2,493,046, Jan. 3.
Tuning means for high-frequency devices. A. E. Harrison. 2,492,993, Jan. 3.
Turbine apparatus. T. J. Putz. 2,493,641, Jan. 3.
2-(p-oxyphenyl)-3-isopropyl-6-oxy-indanes. U. V. Solmssen. 2,493,730, Jan. 3.
2,7-diaminoacridone, Manufacture of. A. A. Goldberg and W. Kelly. 2,493,191, Jan. 3.
2,2,6,6-tetramethylolcyclohexanol, Preparation of. H. Wittcoff. 2,493,733, Jan. 3.
Typewriter, Automatic. C. Wittenmyer. 2,493,709, Jan. 3.
Umbrella. J. D. Ellis. 2,493,121, Jan. 3.
Umbrella. R. P. Habig. 2,493,136, Jan. 3.
Umbrella, Four-way. F. Vogel. 2,493,705, Jan. 3.
Undergarment. R. L. Miller. 2,493,357, Jan. 3.
Unit cooling, agitating, and dispensing apparatus for beverages, Multiple. F. T. Amador. 2,492,950, Jan. 3.
Valve: *See*—
  Fluid-pressure valve.
Valve device for well conduits. R. C. Baker and W. S. Althouse, Jr. 2,493,650, Jan. 3.
Valve for rock drills, Distributing. E. B. Lear. 2,493,298, Jan. 3.
Valve mechanism. R. H. Casler. 2,493,442, Jan. 3.

Valved hose coupling. M. J. Smith and H. J. Shane. 2,493,271, Jan. 3.
Vaporizer, Hydrocarbon fuel. H. W. Smith and L. L. Luxon. 2,493,369, Jan. 3.
Vaporizing or gasifying liquids. W. P. Kinneen. 2,493,073, Jan. 3.
Variable and reversible flow pump. H. J. Bush. 2,493,525, Jan. 3.
Variable polarizing color filter. E. H. Land. 2,493,200, Jan. 3.
Vehicle: *See*—
  Occupant propelled vehicle.
Vehicle body, Hydraulically adjustable. T. W. Dunstan. 2,493,236, Jan. 3.
Vehicle direction indicator. W. E. O'Shei. 2,493,688, Jan. 3.
Vehicle for the parenteral administration of drugs, Making a fluid oil-beeswax. T. J. Macek. 2,493,202, Jan. 3.
Vehicle power drive control system. G. T. Randol. 2,493,030, Jan. 3.
Vehicle step, Folding. P. Pellegrini. 2,493,639, Jan. 3.
Vehicle support. K. F. Kron. 2,493,295, Jan. 3.
Vehicle suspension. A. W. Mackie. 2,493,004, Jan. 3.
Vehicle suspension, Dual beam. R. W. Pointer. 2,493,024, Jan. 3.
Vending machine, Multiple compartment. J. B. Brock. 2,493,223, Jan. 3.
Venetian blind. E. Delgaudio. 2,493,186, Jan. 3.
Ventilating device for automobiles. H. T. Moler. 2,493,685, Jan. 3.
Vibration-proof thermostatic switch. W. F. Fuchs. 2,493,190, Jan. 3.
Voltage control and stabilizing circuits. G. Herzog. 2,493,535–6, Jan. 3.
Voltage regulation. D. E. Trucksess. 2,493,094, Jan. 3.
Voltmeter, Peak reading. M. J. Burger, R. W. Collins, and A. S. Cosler, Jr. 2,493,336, Jan. 3.
Wallet with auxiliary foldable pockets. S. Knee. 2,493,409, Jan. 3.
Warming rack. B. E. Braucht. 2,493,222, Jan. 3.
Water heater. A. H. Weinman. 2,493,175, Jan. 3.
Water meter. N. H. Abrams. 2,493,098, Jan. 3.
Weld rod. G. R. Ingels. 2,493,143, Jan. 3.
Wheel: *See*—
  Gear wheel.
Wheel cover. G. A. Lyon. 2,493,001–3, Jan. 3.
Wheel hubs, Making. C. L. Clark. 2,492,967, Jan. 3.
Winding wire onto a spool. C. B. Dale. 2,493,657, Jan. 3.
Window, Reversible. G. Reinmuller. 2,493,501, Jan. 3.
Windshield wiper mechanism. C. R. Sacchini. 2,493,552, Jan. 3.
Wiper drive arm. L. J. Carey. 2,493,527, Jan. 3.
Wound condenser. C. de Lange. 2,493,231, Jan. 3.
Wrench frame mounting a pivoted inner jaw fulcruming on a nut rotatable on threaded shank of a sliding outer jaw. R. P. Davis. 2,493,529, Jan. 3.
Wrench with nut ejector, Magazine socket. E. R. Fricke. 2,493,398, Jan. 3.
X-ray apparatus. A. Nemet. 2,493,161, Jan. 3.
X-ray apparatus. F. Waterton. 2,493,606, Jan. 3.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 3, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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Patents expiring: Patent Numbers 1,893,481 to 1,894,257, inclusive, and Plant Patent Number 52, issued January 10, 1933, expire January 10, 1950

Condition of Applications Under Examination at Close of Business Dec. 23, 1949

Total number of patent applications awaiting action, 140,085. Date of oldest new application, January 30, 1948; date of oldest amended application, October 13, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	2-6-49	5-11-48	2624
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	10-8-48	1-10-48	2506
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	6-24-49	6-24-49	737
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	9-17-48	11-28-47	2617
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	3-25-49	5-28-48	1560
6. SURLE, H., Carbon Chemistry (part)	3-25-49	2-4-49	1509
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11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	12-28-48	6-9-48	2004
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-24-49	3-18-48	1750
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	4-15-48	5-18-48	1840
14. MANIAN, Joseph C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	3-17-49	12-8-48	1217
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-11-49	11-2-48	1678
16. LOVEWELL, N. N., Television; Telephony	3-25-49	10-15-48	1145
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	7-22-48	1-7-48	2288
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	12-15-48	4-15-48	2502
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-26-49	8-2-48	1629
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	1-3-49	4-12-48	1960
21. MADER, R. C., Textiles	10-1-48	9-9-48	1418
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	6-21-48	5-6-48	1318
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-12-49	10-4-48	917
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	1-21-49	1-12-49	2501
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-4-49	8-16-48	1649
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	4-2-49	3-19-49	996
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	7-20-48	1-2-48	3178
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	3-1-49	8-2-48	1839
29. HABECKER, Leon B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	3-27-48	3-28-48	3122
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	4-16-49	4-15-49	1752
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-16-49	4-19-49	2053
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-31-49	11-22-48	1732
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements.	7-29-48	4-20-48	4022
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	1-6-49	9-3-48	1176
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	11-17-48	1-7-48	2287
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	2-10-48	1-20-48	1951
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-29-49	8-13-48	1147
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	2-25-49	1-13-49	1574
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	3-5-49	1-9-48	3027
40. DRUMMOND, E. J., Receptacles (part); Packages	3-18-49	7-2-48	3316
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-16-48	2-16-48	2140
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	9-18-48	5-17-48	2195
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers.	3-17-49	2-15-49	1026
44. HARVEY, L. P., Beds; Chairs, Seats	8-18-48	1-10-48	2087
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	3-18-49	7-27-48	2380
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-26-48	6-8-48	1578

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 140,085. Date of oldest new application, January 30, 1948; date of oldest amended application, October 13, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	3-29-49	9-24-48	2093
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	3-26-49	7-7-48	1371
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	9-24-48	5-19-48	2138
50. LEVIN, SAMUEL, Synthetic Resins	5-2-49	2-25-49	1818
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	3-30-49	12-21-48	1403
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	10-16-48	4-4-48	3687
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	1-17-49	8-2-48	1777
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-12-49	11-4-48	1155
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	3-18-49	1-4-49	1534
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	3-30-49	12-20-48	1915
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	3-1-49	4-2-48	1921
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	12-11-48	8-15-48	1774
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-1-49	12-1-48	1195
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-20-49	11-16-48	1015
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	1-30-48	2-11-48	2572
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-22-49	6-1-48	2590
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	1-28-49	1-4-49	2067
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-28-49	5-26-49	1573
65. GLEICHMAN, W. C. (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	3-25-49	7-23-48	2093
66. LISANN, L, Geometrical Instruments	1-5-49	10-13-47	1694
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-18-49	10-27-48	1646
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-13-49	2-12-49	1321
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	12-2-48	4-6-48	2071
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-14-49	10-26-48	2018
	5-15-48	5-15-49	5010
DESIGNS: BREHM, G. L.			

Total number of trade-mark applications awaiting action (including renewals and republications), 27,156. Date of oldest new application, Oct. 28, 1948; date of oldest amended application, Nov. 10, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 20, 31, 33, 44, 50	1-1-49	1-7-49	4750
2. KASCHUB, H. E., Class 46	1-11-49	11-26-48	2803
3. SUMMERS, G. S., Classes 21, 23, 26	1-3-49	5-6-49	3290
4. BARR, E., Classes 3, 7, 30, 40, 41, 42, 43	10-28-48	11-10-48	4264
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-3-48	1-3-49	3383
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	1-26-49	3-23-49	3709
7. KEYS, O. M., Classes 2, 16, 19, 26, 55	1-8-49	12-1-48	2061
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-24-49	11-1-49	540
	11-1-49	11-1-49	516

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,875,184, F. N. Steigleder, Liquid ink eraser for pocket fountain pens and desk set fountain pens, C. C. A., 1st Cir., Doc. 4411, *F. M. Steigleder* v. *Eberhard Faber Pencil Co. et al.* Judgment of district court affirmed Nov. 30, 1949.

1,880,659, J. J. Baumler, Oil retainer for steering gears, D. C. Minn. (Minneapolis), Doc. 3025, *J. J. Baumler* v. *Ford Motor Co.* Judgment for defendant Dec. 3, 1949.

2,011,232, Parks & Hildenbrand, Folding carton, D. C., S. D. Calif. (Los Angeles), Doc. 8629–C, *Nolox Co. of America* v. *M. Hyndman.* Patent held valid and infringed, injunction (notice Dec. 2, 1949).

2,124,695, W. W. Gleason, Spring assembly, filed Dec. 8, 1949, D. C., E. D. N. Y., Doc. 10454, *Nachman Corp.* v. *J. Aronauer, Inc.* Same, D. C. Md. (Baltimore), Doc. 4810, *Nachman Corp.* v. *Comfort Spring Corp.*

2,184,896, N. E. Oglesby, Coated abrasive; 2,252,587, Tone & Martin, Manufacture of granular coated products, filed Dec. 2, 1949, D. C., W. D. N. Y., Doc. 4391, *The Carborundum Co.* v. *Behr-Manning Corp.*

2,233,161, J. Fitch, Spraying device, filed Dec. 5, 1949, D. C., W. D. Mich. (Grand Rapids), Doc. 1416, *W. M. Bogel* v. *Lowell Specialty Co., Inc.*

2,234,383, B. Preble, Dental impression composition, filed Oct. 31, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10514–M, *Surgident, Ltd.* v. *Handy & Harman et al.*

2,242,193, F. P. Lawler, Power transmission and brake control for hoists; 2,337,772, M. R. Robinson, Winches, filed Nov. 29, 1948, D. C., N. D. Ill. (Chicago), Doc. 48c1764, *G. L. T. Corp. et al.* v. *Bucyrus-Erie Co. et al.*

2,252,587. (See 2,184,896.)

2,266,640, R. M. Joyce, Cotton drying tower, filed Nov. 30, 1949, D. C. Tenn. (Memphis), Doc. 1684, *R. M. Joyce* v. *The Murray Co. of Texas, Inc.*

2,337,772. (See 2,242,193.)

2,350,600, C. E. Foster, Safety fluorescent lamp clip, D. C., S. D. Calif. (Los Angeles), Doc. 10105–WM, *C. E. Foster* v. *California Electric Construction Co. et al.* Dismissed without prejudice (notice Nov. 29, 1949).

2,380,586, B. Essick, Cooler, filed Oct. 14, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10442–HW, *Essick Mfg. Co.* v. *Palmer Mfg. Corp. et al.*

2,401,297, W. Forstner, Wrist watch strap, C. C. A., 1st Cir., Doc. 4425, *Forstner Chain Corp.* v. *Marvel Jewelry Mfg. Co.* Decree affirmed (notice Nov. 30, 1949).

2,425,702, G. W. Marr, Electric heater, D. C., S. D. N. Y., Doc. 44/502, *G. M. Marr* v. *Michaels Bros.* Consent and order of discontinuance Dec. 5, 1949.

2,434,545, Brady & Brady, Adhesive label dispenser, filed Oct. 25, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10483–WM, *W. H. Brady Co. et al.* v. *Western Lithograph Co.* (Report also states this is a suit for royalties.)

2,460,229, S. N. Lebold, Bottle holder, filed Nov. 23, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1811, *Morris Paper Mills* v. *Container Corp. of America.*

2,462,019, W. W. Bowman, Beverage dispenser, filed Nov. 18, 1949, D. C., N. D. Tex. (Dallas), Doc. 3814, *Frostidrink, Inc.* v. *Supervend Corp. et al.*

2,464,361, L. F. Wilson, Drip candle, filed Dec. 5, 1949, D. C., W. D. Wis. (Milwaukee), Doc. 4904, *L. F. Wilson* v. *Victrylite Candle Co.*

2,467,792, Wenzel & Wenzel, Self-cooling water bag, filed Dec. 2, 1949, D. C. Oreg. (Portland), Doc. 5158, *H. Wenzel Tent & Duck Co.* v. *White Stag Mfg. Co. et al.*

2,470,444, G. A. Philippe, Glass cutter, D. C. Ark. (Fort Smith), Doc. 856, *G. A. Philippe* v. *Window Glass Cutters et al.*

2,484,147, G. H. Bartel, Stock prod, D. C. Minn. (Minneapolis), Doc. 3138, *Hot Shot Products Co., Inc.* v. *Electric Service Systems, Inc.* Dismissed Dec. 7, 1949.

2,484,766, C. C. Turner, Humane tail set, filed Dec. 1, 1949, D. C., N. D. Ga. (Atlanta), Doc. 3749, *C. C. Turner et al.* v. *W. D. Laningham.*

Des. 112,010, C. J. Watt, Tie, filed Nov. 29, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10629–BH, *C. J. Watt* v. *Benjamin Kaplan & Co.*

Des. 139,477, L. Oseroff, Stocking, filed Dec. 7, 1949, D. C., W. D. N. C. (Charlotte), Doc. 738, *L. Oseroff* v. *Nebel Knitting Co.*

Des. 145,344, C. R. White, Toy figure, filed Nov. 18, 1947, D. C., S. D. N. Y., Doc. 44/8, *Knickerbocker Plastic Co., Inc.* v. *Allied Molding Corp.*

Des. 148,278 (*a*), H. Bogoff, Earring; Des. 149,470, same, Link bracelet, filed Nov. 15, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1760, *Gay Bee Jewelry Co.* v. *Walgreen Co.* Doc. 49c1761, *Gay Bee Jewelry Co.* v. *Ford Hopkins.* Doc. 49c1762, *Gay Bee Jewelry Co.* v. *Orest Jewelry Co.*

Des. 148,278 (*b*), H. Bogoff, Earring; Des. 149,470, same, Link bracelet; Des. 152,454, same, Bracelet, filed Nov. 15, 1949, D. C., N. D., Ill. (Chicago), Doc. 49c1762, *Gay Bee Jewelry Co.* v. *Orest Jewelry Co.*

Des. 149,470. (See Des. 148,278 (*a*) and (*b*).)

Des. 151,782, W. G. Bley, Lady's stocking, filed Nov. 30, 1949, D. C., S. D. Ohio (Columbus), Doc. 2648, *Sanson Hosiery Mills, Inc., et al.* v. *The Nisley Co.*

Des. 152,454. (See Des. 148,278.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 129,217, Schoenhofen, Beverage, D. C., N. D. Ill. (Chicago), Doc. 49c1224, *Green River Corp.* v. *The Lobby Drug Co.* Decree for injunction Nov. 30, 1949.

T. M. 345,562, Rock Island Brewing Co., Beer, D. C., N. D. Ill. (Chicago), Doc. 48c1662, *Warsaw Brewing Corp.* v. *Atlantic Brewing Co. et al.* Dismissed for want of prosecution Nov. 1, 1949.

T. M. 514,615, A. B. C. Laundry, Laundering and dry cleaning services, filed (notice Dec. 1, 1949), U. S. D. C., District of Columbia, Doc. 5088/49, *A. B. C. Laundry* v. *A. B. C. Cleaners & Tailors.*

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NOTICES

Cancellation Notices

Graeff Miller, his assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the petition of John C. Miller, 110 W. 18th St., New York, N. Y., to effect the cancellation of trade-mark registration of Graeff Miller, No. 292,466, dated March 15, 1932. The assignment records of this Office show a transfer of title to this registration to Margaret Dupre, Inc., 35 W. 53rd St., New York, N. Y., which has been substituted for said Graeff Miller to defend the registration concerned. The notice of such proceeding sent by registered mail to said Margaret Dupre, Inc., at its address of record, 35 W. 53rd St., New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said Graeff Miller, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

Dec. 15, 1949.

Martha Washington Ice Cream Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by La Reine Chocolate Company, 601 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Martha Washington Ice Cream Corporation, 12–16 Willow St., Bloomfield, N. J., No. 442,738, dated May 24, 1949, and the notice of such proceeding sent by registered mail to the said Martha Washington Ice Cream Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Martha Washington Ice Cream Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

Dec. 15, 1949.

California Wine Products Corporation, its assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the petition of De La Salle Institute, Napa, Calif., to effect the cancellation of trade-mark registration of California Wine Products Corporation, No. 362,830, dated November 29, 1938. The assignment records of this Office show a transfer of title to this registration to Ernest Aguirre, 1819 Broadway, New York, N. Y., who has been substituted for said California Wine Products Corporation to defend the registration concerned. The notice of such proceeding sent by registered mail to said Ernest Aguirre, at his address of record, 1819 Broadway, New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said California Wine Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Frez-O-Mat Corporation offers the following 6 patents for licensing on reasonable terms. Inquiries concerning the patents should be addressed to the President, Frez-O-Mat Corporation, 4800 South Richmond St., Chicago 32, Ill.

Pat. 2,299,347. REFRIGERATED DISPLAY SHELF. Patented Oct. 20, 1942. A refrigerator display case for frozen foods has upper and lower compartments. Lower compartment is for storage and refrigerating unit. Upper open compartment is for display and dispensing. Display compartment has a series of refrigerated shelves with two slide rods on each shelf to support the merchandise. Packages are urged forwardly by spring-actuated pusher plates. A front member above and below each shelf, and spaced outwardly, allows cold air to descend between the front members to the shelves. Group 35—84. Reg. No. 33,291.

Pat. 2,446,788. REFRIGERATED DISPENSING CABINET. Patented Aug. 10, 1948. A dispenser for frozen food packages. Air is forced by a fan past cooling element into package compartment and returned by a duct at rear to the fan. Cabinet has a series of doors at front in alignment with rows of packages. Each row of packages is forced forwardly by a pusher block which slides along tracks and is urged forwardly by a ratchet rack bar. Each time door is opened, the front package is moved into delivery opening and the next package moved into flexible sealing frame which seals interior of cabinet while door is open. Group 35—84. Reg. No. 33,292.

Pat. 2,455,809. PACKAGE AND CABINET FOR FROZEN FOODS. Patented Dec. 7, 1948. Cartons containing frozen foods are displayed in a refrigerated case in full view of purchaser. Each carton has an insulated front panel surrounded by a groove. Track bars are placed over each freezing shelf in cabinet to support cartons urged forward by a spring. Openings are framed by strips of flexible material which fit in the grooves of cartons, sealing the openings. As a carton is withdrawn by tab on front panel, the spring forces next carton into the opening. Group 35—84. Reg. No. 33,293.

Pat. 2,460,396. FROZEN FOOD DISPENSER. Patented Feb. 1, 1949. Dispensing cabinet for frozen foods has series of openings bordered by a flexible sealing gasket. Pair of slide rods in each compartment support a row of packages in alignment with opening. A notched bar hinged to each door extends along side of row of packages and engages push plate at rear of slide. When door is opened, pusher plate causes the row of packages to be moved forwardly into the sealing gasket. Pusher plate may be disengaged to re-fill compartment. Group 35—84. Reg. No. 33,294.

Pat. 2,460,469. REFRIGERATOR HAVING A DOOR HEATING DEVICE. Patented Feb. 1, 1949. Refrigerator has separate hinged doors for rows of compartments in which frozen food packages are stored for dispensing. Edges around the doors are heated to prevent formation of condensation and to prevent freezing or frosting of surfaces around opening. A conduit on each side of each door opening has an electric heating cable within it, and a small aperture at end of each conduit allows discharge of heated air. Group 35—84. Reg. No. 33,295.

Pat. 2,480,339. FORCED AIR REFRIGERATED DISPLAY CABINET. Patented Aug. 30, 1949. Frozen food dispensing cabinet completely dehydrates all air entering food compartment and prevents formation of frost on packages. Air is forced by a fan or blower from intake compartment through a refrigerating coil. Cold dry air enters a distributing hood and is distributed by baffles to a series of cold air ports in housing. A moving curtain of cold dry air is

forced into food compartments. The air passes through valve-controlled discharge ports to a return duct beside fan. Should pressure drop below atmospheric pressure, fresh air is admitted to fan through a valve-controlled outside port. Group 35—84. Reg. No. 33,296.

Pat. 2,476,428. ELECTRIC LEVEL AND PLUMB INSTRUMENT. Patented July 19, 1949. An electrically operated carpenter's level and plumb has within it an indicating device whereby an electric lamp is lighted when the work is true. A supporting plate has upright side insulated plates, between which a pair of parallel pivot shafts are oscillatably mounted. In a ball sleeve on each pivot shaft is threaded a pendulum, free to swing within a ring stop. Opposed projections extending from the balls and oscillating with the pendulum contact each other when the work is level. This completes an electrical circuit and lights a lamp. A second unit for indicating whether a vertical member is plumb is provided at end of level casing. (Owner) Mary Nagoda, Box 275, Export, Pa. Group 33—52. Reg. No. 33,297.

Pat. 2,478,175. OFFICE IMPLEMENT. Patented Aug. 9, 1949. Implement is designed to hold looseleaf book in opened position. Consists of a flat tapering blade adapted to overlie the pages of a book, and a depending leg which is hinged to the blade and notched to engage the ring binder of the book. The implement may be so constructed that, in addition to its primary purpose, it may be used as a letter opener, magnifying-glass holder, rule, line follower, etc. May be made of metal, plastic, or any other suitable material. (Owner) Frank W. Baukus, 619 South 16th St., Saginaw, Mich. Groups 33—73; 39—81; 40. Reg. No. 33,298.

Pat. 2,453,227. BUTTON STAPLE ANCHOR AND SHIELD. Patented Nov. 9, 1948. U-shaped wire staple is used in combination with a two-piece shield to attach buttons to garments. Circular shield has two complemental sections formed with telescoping rims and central openings having interfitting necks. In attaching a button, staple is passed through button holes and fabric. Ends of staple are passed through the opening of upper shield and bent back so that, when the rims of the shield are pressed together, ends of the staple are wedged between the interfitting necks. (Co-owner) Irene M. Janes, 11 Roosevelt St., North Arlington, N. J. Groups 39—61—99; 40. Reg. No. 33,299.

Swift & Company offers the following 7 patents for license, in addition to the several hundred patents previously placed on the Register. Inquiries concerning licenses may be directed to Swift & Company, Union Stock Yards, Chicago 9, Ill.

Pat. 2,457,489. DEVICE FOR ASSISTING IN A HAND-LABELING OPERATION. Patented Dec. 28, 1948. Device for affixing a label to a container. Provision is made in the base of the device for a stack of labels, a container recess, and a flexibly mounted rectangular gluepot. The gluepot, which is slotted at the bottom, may be urged downwardly to apply an adhesive film on the label. In use, the container is turned to withdraw the end of a label from under the gluepot before application of the label to the surface of the container. Groups 20—11; 26—64; 32—21; 33—31—73; 35—51—69. Reg. No. 33,300.

Pat. 2,461,291. MANUFACTURE OF DRIED MEAT. Patented Feb. 8, 1949. A quick process for preparing chipped beef. Wafer-thin slices of beef ($^1/_{32}$ to $^1/_8$ inch) are withdrawn from a conventional curing solution and confined between a pair of heated metal sheets and then between a pair of wire mesh screens. The slices, which are thus prevented from curling, are subjected to heavy smoke at a temperature of 170–175° F., for about 10 to 35 minutes. The dried sliced product may then be packaged for merchandising. Group 20—11. Reg. No. 33,301.

Pat. 2,461,466. SKINNING MACHINE. Patented Feb. 8, 1949. A machine for removing skin from an irregularly shaped cut of meat without injuring the skin or meat. Basically, a ham or shoulder cut is prepared for skinning by lifting up a tab of skin on the outside so that it may be engaged by clamps and making a short cut on the inside portion. The cut of meat is fixed in the machine, and the skin is pulled back on itself and peeled from the meat by a driven pulling mechanism. Groups 20—11; 35—51. Reg. No. 33,302.

Pat. 2,469,953. DEFEATHERING POULTRY. Patented May 10, 1949. Poultry carcasses which have been conveyed through a mechanical picker, suspended by the feet, are reversed and suspended by the head and re-introduced into the picking machine. In this manner, feathers remaining on the poultry in previously unexposed areas (the back portion of the wings, the back, etc.) are plucked. The double action of the picking machine removes substantially all feathers so that manual picking, waxing, and singeing operations may be eliminated. Group 20—15. Reg. No. 33,303.

Pat. 2,473,041. HIGH-FREQUENCY ELECTROSTATIC FIELD APPARATUS FOR EGG PASTEURIZATION. Patented June 14, 1949. Eggs to be pasteurized are placed between condenser plates having individual sections that accommodate the shape of the top and bottom of the egg. An electrostatic field is applied and the temperature of the egg raised uniformly to prevent localized coagulation. The production of this dielectric effect stabilizes the egg whites, destroys fertile spots, etc. Eggs so treated may be stored for long periods without harmful effects. Groups 35—51; 36—21. Reg. No. 33,304.

Pat. 2,476,802. COATING MATERIAL. Patented July 19, 1949. Levulinic acid is added to the gelatin and glucose syrup used to coat paper containers of shortening and other perishable foods. The coating is applied to the container to retard mold. Groups 26—32—39—64; 28—89. Reg. No. 33,305.

Pat. 2,477,289. SKINNING MACHINE. Patented July 26, 1949. Apparatus for pulling, in a single operation, the skin, fat, and fibrous material adhering to pork products. The apparatus consists of a pair of loosely interfitting gear shaped rollers that engage the skin between them in cooperation with a support having an opening provided with a resiliently mounted scraper. Skin drawn between the rollers passes through the opening at a sharp angle and engages a pair of cooperating serrated rollers which pull the skin. Groups 20—11; 35—51. Reg. No. 33,306.

Pat. 2,476,408. RHYTHM CALCULATOR. Patented July 19, 1949. A device for calculating the rhythm numbers and corresponding calendar dates for menstrual cycles. Comprises a flat circular base (of cardboard, plastic, or the like) having a spaced marker and peripheral graduations representing days; a pair of movable adjustment parts; and a movable outer transparent member, also graduated. The three movable members are rotatably pivoted in parallel relationship above the center of base. Directions for use are printed on the device. (Owner) George F. Fisher, Jr., P. O. Box 741, Beverly Hills, Calif. Groups 26—91; 39—11—15—81. Reg. No. 33,307.

Pat. 2,479,916. CLOTHES DRIER. Patented Aug. 23, 1949. Drier in which clothes or other articles may be steamed, sterilized, pressed (by stretching), and exposed to sun lamps while drying to give them the same freshness as sun-dried clothes. A suitable housing provided with doors encloses heating elements, a steam generator, a perforated tube for spraying the steam formed, sun ray lamps, a disinfectant distributor, and lines or racks for hanging and stretching garments and other articles. A time switch and signaling device are also included. (Owner) Elsie R. Eberhardt, Box B, Patterson Station, Baltimore 31, Md. Groups 35—81—82; 36—21. Reg. No. 33,308.

Pat. 2,440,878. HEAD-DOWN PERSUADER. Patented May 4, 1948. The purpose of this device is to correct the tendency of golfers to jerk their heads sidewise before completing the follow-through motion of a golf stroke. A screen is attached to a visor by an inertia-operated latch

that holds the screen in an out-of-the-way position. The screen is released by the latch on a sidewise jerk of the head of the golfer wearing the visor so that the golfer's view is blocked. A bell may be incorporated in the device as an additional means of indicating an improperly executed shot. The device may be adapted for other uses. (Owners) Executors of estate of Adolph P. Schneider. Correspondence to Karl Y. Donecker, 530 Hamilton St., Allentown, Pa. Group 39—49. Reg. No. 33,309.

Pat. 2,449,083. METHOD OF AND APPARATUS FOR SETTING SELF-SYNCHRONOUS MACHINES ON ZERO. Patented Sept. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) In calibrating a self-synchronous machine to determine the zero setting, alternate current is applied to the rotor of the machine, the current being insufficient to cause rotation of the rotor. An A. C. zero-center meter is connected to the rotor to indicate positions that give minimum induced voltage between a pair of stator terminals of the machine. In addition, a neon glow tube is connected between a second pair of stator terminals to simultaneously determine which position is the electrical zero position. (Owner) George A. Muir, 79 Post Ave., New York 34, N. Y. Group 36—13. Reg. No. 33,310.

Pat. 2,480,202. BATTERY HOLDER. Patented Aug. 30, 1949. Two plates form an L-shaped holder connected by a pair of diagonal side braces. An automobile battery is retained in the holder by means of an adjustable cross bar secured to a pair of threaded bolts pivotally mounted in each side brace. The holder may be fixed on the running board of an automobile or in any other convenient location. (Owner) Elmer D. Stassen, Wanatah, Ind. Groups 33—59; 38—31. Reg. No. 33,311.

Pat. 2,480,883. CONTROL SYSTEM. Patented Sept. 6, 1949. This patent shows automatic controls for heating systems employing both a coal-fired boiler and an oil-fired boiler. Operation of either heater may be suspended without affecting operation of the other by manually opening a selected cut-out switch. If the combustion control thermostat of the oil burner is set at a lower value than the combustion control thermostat of the coal heater, the oil burner will be shut off when the temperature of the water (or other heating medium) in the system reaches a predetermined value, but the coal heater will continue to operate to heat the water to a higher temperature and carry the entire load alone. Whenever the water in the boiler of the coal heater falls below a predetermined low temperature, it is prevented from flowing into the system, so that heat from the oil burner will not be wasted to raise its temperature. (Owner) Frederic B. Schramm, 2403 Channing Road, University Heights, Cleveland 18, Ohio. Groups 33—65; 36—19. Reg. No. 33,312.

Pat. 2,425,713. STEREOSCOPIC RANGE AND HEIGHT FINDER WITH ADJUSTABLE RETICLES. Patented Aug. 19, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Stereoscopic range finder for anti-aircraft guns and the like is provided with adjustable reticles so that the reticle-image is capable of being moved in three spatial directions. Both reticles may be moved as a unit to the right or left by manipulating one control knob, or vertically by manipulating a second knob. The left reticle may be shifted toward or away from the other reticle by manipulating a third knob. Manipulation of the knobs to adjust the reticles also operates computing mechanism similar to that of a conventional director to give the required data for fire-control operations. (Owner) Lindsay M. Applegate, P. O. Box 317, Oswego, Oreg. Groups 33—X1; 39—11. Reg. No. 33,313.

Pat. 2,474,567. VACUUM APPARATUS FOR IMPREGNATING FLOORS. Patented June 28, 1949. Machine for impregnating floors with waxes, varnishes, etc., has an open bottom chamber to rest on a floor. A vacuum pump on top of the chamber is provided for creating and maintaining a partial vacuum inside the chamber as the floor is heated by a heater inside the top of chamber. When floor is sufficiently heated, impregnating compound from a hopper on top of the chamber is deposited on the floor. After an elapsed period, a three-way valve is shifted to shut off the pump and admit air into the chamber to act on the impregnating compound to force it into pores of floor. (Owner) Lindsay M. Applegate, P. O. Box 317, Oswego, Oreg. Group 36—21. Reg. No. 33,314.

The following six patents are owned by Oscar Schwimmer, 512 Stanford Ave., Los Angeles 13, Calif.

Pat. 2,030,158. DEVICE FOR MAKING CREAM. Patented Feb. 11, 1936. Portable motor-operated device for making cream of any desired richness from butter and milk. The mixture of butter and milk is projected against a rotary disk and collector. In operation, the collector shell depends into a receiving container. When motor is started, the impeller disk rotates at high speed, mixing and warming the butter and milk. The mixture is delivered to the disk and impelled outwardly in a thin film, striking wall of collector. The impact aids emulsification and breaks the fat particles. Group 35—51. Reg. No. 33,315.

Pat. 2,216,603. ICE-CUBING APPARATUS. Patented Oct. 1, 1940. Apparatus for cutting blocks of ice into cubes includes a vertically mounted slabbing grid and a horizontally mounted cubing grid, each comprising electrically heated wires. An angularly disposed, slightly heated tray under first grid has parallel guide wires which melt into the ice block and guide it as it slides by gravity through the horizontal wires of slabbing grid. The stack of ice slabs is then delivered onto the cubing grid, where it descends through the wires arranged in squares. Cubes fall into a receptacle, and water is drained off. Movement of block is controlled by a spring-pressed shock frame and a restraining arm. Group 35—51. Reg. No. 33,316.

Pat. 2,216,604. ICE-CUBING APPARATUS. Patented Oct. 1, 1940. Reg. No. 33,317.

Pat. 2,226,413. ICE-CUBING APPARATUS. Patented Dec. 24, 1940. Reg. No. 33,318.

Pat. 2,282,546. APPARATUS FOR CUTTING ICE. Patented May 12, 1942. Reg. No. 33,319.

These three patents relate to an ice-cutting machine using electrically heated wires as cutting instruments. Ice blocks are automatically fed into the machine and after the cutting the cubes are dried before packing. Machine includes three electric grids at right angles to conveying chutes to cut the blocks successively into cubes as they gravitate down an inclined feed tray against the grids. The cubes drop into a hopper which extends into a separating cage, where the irregular cubes and trimmings are directed into an ice crusher. A drain receives melted ice, and a fan on underside of drain blowing in cold air dries the cubes. Groups 35—51; 36—21.

Pat. 2,252,334. ICE-CUTTING APPARATUS. Patented Aug. 12, 1941. Machine for scoring or cutting ice-blocks into cubes. A rotatably mounted arbor is connected to armature shaft of an electric motor or other power means. A series of ice-cutting units are mounted on arbor. Each unit includes a pair of metal body-plates with an electrical heating element in chamber between plates. A metal cutting disk is secured to each plate. As blade is rotated in contact with an ice block, the cutting edge is heated and cuts the ice. Groups 35—59; 36—21. Reg. No. 33,320.

Pat. 2,477,445. METHOD OF AND APPARATUS FOR REMOVING KERNELS FROM CORNCOBS. Patented July 26, 1949. This invention relates to a method of processing corn to remove the kernels from the cob without injuring them. It may be utilized with a corn picker, if desired. The center of the cob is removed, leaving a thin shell carrying the kernels. Force applied to the inner wall of the shell bursts it into kernel-carrying fragments. The fragments are then dried and the bond between the kernels and fragments broken more quickly than when left on the cob. (Owner) Clement G. Ewerts, Box 342, Lancaster, Pa. Group 35—22. Reg. No. 33,321.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 10, 1950

[VOL. 630. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 520,607. BOYERTOWN BURIAL CASKET COMPANY, Boyertown, Pa. Filed Apr. 14, 1947.

Boyertown
DURATITE

The word "Boyertown" is disclaimed apart from the mark as shown.

FOR INNER LINERS MADE OF SYNTHETIC PLASTIC MATERIAL, WHICH ARE PLACED WITHIN REGULAR CASKETS FOR BURIAL PURPOSES.

Claims use since Feb. 27, 1947.

CLASS 7

CORDAGE

Ser. No. 523,687. THE LINEN THREAD CO., INC., New York, N. Y. Filed June 6, 1947.

BLUE LABEL

No claim is herein made to the exclusive right to the use of a label colored blue apart from the mark as shown.

FOR TWINE.

Claims use since 1905.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 520,427. THE UNION SWITCH AND SIGNAL COMPANY, Swissvale, Pa. Filed Apr. 9, 1947.

CARRYPHONE

FOR PORTABLE TELEPHONE APPARATUS OF THE MODULATED CARRIER WAVE TYPE.

Claims use since Mar. 13, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 524,199. MURRAY ENGRAVING COMPANY, Wilmington, Del., and Chicago, Ill. Filed June 14, 1947.



The figure of the girl is fanciful. The words "Engraved" and "Murray Made" are disclaimed.

FOR PRINTED AND ENGRAVED STATIONERY—NAMELY, LETTERHEADS FOR PERSONAL AND BUSINESS USE, PERSONAL AND BUSINESS ENVELOPES.

Claims use since Mar. 29, 1938.

CLASS 39

CLOTHING

Ser. No. 450,109. MISS SWANK, INC., New York, N. Y., assignor to Miss Swank, a partnership. Filed Jan. 9, 1942.



Applicant disclaims only the following words alone and apart from the mark shown: "Can't Twist," "Can't Bunch," "Can't Ride," "Straight-Plus-Bias Slips," "The Anti-Wriggle Slip."

FOR WOMEN'S SLIPS.

Claims use since Jan. 5, 1942.

Ser. No. 513,732. THE FLYING TIGERS, (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y. Filed Dec. 5, 1946.



FLYING TIGERS

MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR AND OUTERCLOTHING—NAMELY, HATS, SHOES, DRESSES, SLACKS, AND SWEATERS.
Claims use since Nov. 26, 1946.

Ser. No. 513,733. THE FLYING TIGERS, (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y. Filed Dec. 5, 1946.

FLYING TIGERS

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR AND OUTERCLOTHING — NAMELY, HATS, SHOES, DRESSES, SLACKS, AND SWEATERS.
Claims use since Nov. 26, 1946.

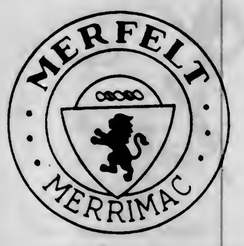
Ser. No. 524,143. MICHAELS, STERN & COMPANY, INCORPORATED, Rochester, N. Y. Filed June 13, 1947.



DEFIANCE *Cableweave*

The word "Cableweave" is disclaimed.
FOR MEN'S SUITS.
Claims use since Apr. 28, 1947.

Ser. No. 525,645. MERRIMAC HAT CORPORATION, Amesbury, Mass., and New York, N. Y. Filed July 2, 1947.



Under the 10-year proviso as to "Merrimac."
Applicant owns Register No. 358,760.
FOR WOMEN'S HATS AND HAT BODIES.
Claims use since 1856 as to "Merrimac"; and since Jan. 1, 1935, as shown.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,680. ANGLO-AMERICAN PACKING CORP., New York, N. Y. Filed Mar. 21, 1946.

Ronday

FOR BEEF GOULASH.
Claims use since Dec. 28, 1945.

Ser. No. 521,406. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Filed Apr. 26, 1947.

CHIMES

FOR CANNED FRUITS AND VEGETABLES.
Claims use since 1905.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 514,663. LES PARFUMS WORTH DE PARIS, INC., New York, N. Y. Filed Dec. 21, 1946.

REQUETE

WORTH

No claim is made to the name "Worth" apart from the mark as shown.
FOR PERFUME, EAU DE COLOGNE, AND TOILET WATER.
Claims use since Dec. 7, 1944.

Ser. No. 517,231. ARNOLDO PACIFICI, Rome, Italy. Filed Feb. 10, 1947.



The three heads of the three girls shown in the drawing are fanciful and not the portraits of any individual persons.
FOR SOAP AND SHAVING SOAP.
Claims use since June 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 536,368. THE FAIR, Chicago, Ill. Filed Oct. 1, 1947. (Classified in Class 51.)

Faircrest

FOR HAND CREAM, SKIN CLEANSERS, SKIN REFRESHENERS, BATH SALTS, ASPIRIN, CASCARA, GLYCERINE SUPPOSITORIES, MILK OF MAGNESIA, ZINC OXIDE, CITRATES AND CARBONATES, EPSOM SALT, MEDICINAL FULLERS EARTH, HAIR DYE, SENNA LEAVES, SULPHUR, WITCH HAZEL, RUBBING ALCOHOL, MOUTHWASH, DISINFECTANTS, SHAMPOOS, IODINE, OIL OF WINTERGREEN, SPIRITS OF CAMPHOR, COD LIVER OIL, LAXATIVES, SPIRITS OF AMMONIA, CAMPHORATED OIL, CASTOR OIL, DOBELLS SOLUTION, PEPPERMINT OIL, COUGH SYRUP, NASAL OIL, GLYCERINE, AFTER SHAVING LOTIONS, BAY RUM, WATER SOFTENERS, PEROXIDE, SHAVING CREAMS, TOOTHPASTES, ANTISEPTICS.
Claims use since Dec. 31, 1939.

Ser. No. 551,406. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 6, 1948.



Applicant claims ownership of Registration No. 422,927.
FOR BABY CHICKS, PULLETS, COCKERELS, DUCKLINGS, TURKEY POULTS.
Claims use since Jan. 15, 1943, for baby chicks, pullets, cockerels; and since Jan. 15, 1945, for ducklings, turkey poults.

Ser. No. 566,952. ROCK OF AGES CORPORATION, Barre, Vt. Filed Oct. 13, 1948. Under section 2f of the act of 1946.



The words "Barre" and "Granite" are disclaimed. Applicant claims ownership of Registration No. 234,414.
FOR BLOCKS OF GRANITE NOT PREPARED FOR BUILDING PURPOSES.
Claims use since Apr. 11, 1927.

Ser. No. 567,124. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Oct. 18, 1948.

CYCOR

FOR UREA FORMALDEHYDE AND KETONE FORMALDEHYDE RESINS FOR SAND CORE BINDERS.
Claims use since Oct. 6, 1948.

Ser. No. 567,780. H. G. HASTINGS Co., Atlanta, Ga. Filed Oct. 28, 1948.

DIXIANA 6

FOR LAWN SEED MIXTURE.
Claims use since Sept. 10, 1948.

Ser. No. 567,930. STANDARD SAND AND SILICA COMPANY, Davenport, Fla. Filed Oct. 30, 1948.

STANDARD

FOR SILICA, SAND, GRAVEL, AND ROCK OF VARIOUS KINDS FOR ALL PURPOSES.
Claims use since 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 568,406. STANLEY & STANLEY, INCORPORATED, New York, N. Y. Filed Nov. 8, 1948.



FOR BILLFOLDS AND WALLETS; BRIEF CASES; COLLAR BAGS; DRESSING CASES; HANDBAGS; KEY CASES; SMALL LEATHER CASES ADAPTED FOR CARRYING MANICURE SETS OF SMALL IMPLEMENTS SUCH AS SCISSORS, CLIPPERS, AND FILES; LEATHER CASES ADAPTED FOR CARRYING SEWING KITS OF SMALL SEWING IMPLEMENTS SUCH AS NEEDLES, PINS, SCISSORS, THIMBLES AND MEASURES, AND SUPPLIES SUCH AS THREADS AND

TAPES; PHOTOGRAPH CASES; POCKETBOOKS; PORTFOLIOS; SAMPLE CASES; SHIRT CASES; TIE CASES; TOILET CASES; TRAVEL CASES; UTILITY CASES; SUCH GOODS BEING COMPOSED, AT LEAST PARTIALLY, OF LEATHER OR SIMILAR SHEET MATERIAL.
Claims use since Apr. 20, 1923.

CLASS 5

ADHESIVES

Ser. No. 576,416. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 31, 1949.



The drawing is lined for the colors red and green. The squares lined for black are a screen printing of green over red but give the appearance of black, with the diagonal lines in the drawing being colored white and green.
FOR PRESSURE-SENSITIVE ADHESIVE TAPE.
Claims use since June 1947.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 536,368. THE FAIR, Chicago, Ill. Filed Oct. 1, 1947. (Classified in Class 51.)

Faircrest

FOR HAND CREAM, SKIN CLEANSERS, SKIN REFRESHENERS, BATH SALTS, ASPIRIN, CASCARA, GLYCERINE SUPPOSITORIES, MILK OF MAGNESIA, ZINC OXIDE, CITRATES AND CARBONATES, EPSOM SALT, MEDICINAL FULLERS EARTH, HAIR DYE, SENNA LEAVES, SULPHUR, WITCH HAZEL, RUBBING ALCOHOL, MOUTHWASH, DISINFECTANTS, SHAMPOOS, IODINE, OIL OF WINTERGREEN, SPIRITS OF CAMPHOR, COD LIVER OIL, LAXATIVES, SPIRITS OF AMMONIA, CAMPHORATED OIL, CASTOR OIL, DOBELLS SOLUTION, PEPPERMINT OIL, COUGH SYRUP, NASAL OIL, GLYCERINE, AFTER SHAVING LOTIONS, BAY RUM, WATER SOFTENERS, PEROXIDE, SHAVING CREAMS, TOOTHPASTES, ANTISEPTICS.
Claims use since Dec. 31, 1939.

Ser. No. 556,183. HARDIN CHEMICAL CO., INC., Middletown, N. J. Filed May 4, 1948.

THE ACTION DE-ODORIZER!
whiz-fizz
YOU ACTUALLY SEE IT WORK!

No claim is made to the word "Fizz" nor to the legends "The Action De-Odorizer!" and "You Actually See It Work!"
FOR ROOM DEODORANT.
Claims use since Mar. 5, 1948.

Ser. No. 559,557. ELBERT O. SOWERWINE, JR., doing business as Chemspecs Laboratory, Cranford, N. J. Filed June 17, 1948.

MY-CY

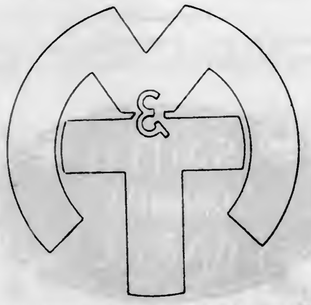
FOR DEODORANT AND MILDEWPROOFER INTENDED TO BE MIXED WITH WATER AND APPLIED TO SURFACES BY SPRAYING, DIPPING, OR WIPING TO PREVENT FORMATION OF MILDEW OR OTHER FUNGOUS ORGANISMS.
Claims use since May 10, 1948.

Ser. No. 564,270. ROBERT CHARLES DAVIS, New York, N. Y. Filed Aug. 27, 1948.

NUFRAME PROTECTODYE

The word "Protectodye" is disclaimed.
FOR DYES USED TO COLOR SPECTACLE FRAMES.
Claims use since June 14, 1948.

Ser. No. 566,164. METAL & THERMIT CORPORATION, Woodbridge, N. J., and New York, N. Y. Filed Sept. 30, 1948.



Applicant claims ownership of Registrations Nos. 399,095 and 250,748.
FOR CHEMICAL COMPOUNDS OF TIN USED FOR TIN-PLATING, CERAMICS MANUFACTURE, LENS POLISHING, RUBBER MANUFACTURE, AND AS RESIN STABILIZERS; OF ANTIMONY USED FOR CERAMICS MANUFACTURE AND FLAME-PROOFING; AND OF ZIRCONIUM USED FOR ENAMEL OPACIFIER AND CERAMICS MANUFACTURE.
Claims use on tin since Mar. 4, 1948; on antimony since Feb. 15, 1948; and on zirconium since Jan. 16, 1948.

Ser. No. 567,686. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Oct. 27, 1948.

ESTERON

FOR WEED-KILLING COMPOSITION.
Claims use since Oct. 1, 1946.

Ser. No. 569,020. SPENCER CHEMICAL COMPANY, Kansas City, Mo. Filed Nov. 18, 1948.

FRE-ALL

FOR SOLID CARBON DIOXIDE.
Claims use since Oct. 1, 1946.

Ser. No. 569,021. SPENCER CHEMICAL COMPANY, Kansas City, Mo. Filed Nov. 18, 1948.

FRE-ALL

FOR SOLID CARBON DIOXIDE.
Claims use since Oct. 1, 1946.

Ser. No. 569,993. RELIABLE HOUSEHOLD SPECIALTIES MFG. CO., New York, N. Y. Filed Dec. 4, 1948.



Applicant claims ownership of Registration No. 74,403.
FOR IRONING WAX.
Claims use since Aug. 30, 1948.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 554,717. D. A. SCHULTE, INC., New York, N. Y. Filed Apr. 15, 1948.

Dasco

Applicant claims ownership of Registration No. 161,447.
FOR PIPE CLEANERS, CIGAR HOLDERS, CIGARETTE HOLDERS, SMOKERS' PIPES, AND LIGHTERS.
Claims use since January 1938 on pipe cleaners, cigar holders, and cigarette holders; since October 1943 on smokers' pipes; and on lighters since October 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 559,073. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed June 11, 1948.

ROCKLATH

Applicant claims ownership of Registration No. 338,058.
FOR METALLIC CLIPS USED TO SUPPORT STRUCTURAL UNITS IN CEILINGS, WALLS, PARTITIONS, AND OTHER BUILDING PORTIONS.
Claims use since 1933.

Ser. No. 566,317. CENTURY CEMENT MANUFACTURING COMPANY, INC., Rosendale, N. Y. Filed Oct. 2, 1948.

BROOKLYN BRIDGE

FOR MASONRY CEMENT.
Claims use since August 1948.

Ser. No. 566,923. THE EAGLE-PICHER COMPANY, Cincinnati, Ohio. Filed Oct. 13, 1948.

DE-95

FOR INSULATION MATERIAL IN BLOCK FORM MADE FROM DIATOMACEOUS EARTH AND A BINDER.
Claims use since Sept. 16, 1948.

Ser. No. 571,343. MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis, Minn. Filed Dec. 30, 1948.

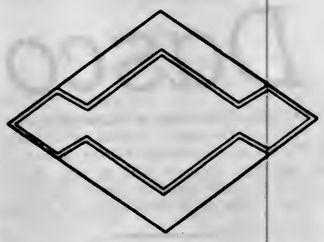
DENSULITE

FOR PRESSED FIBER COMPOSITION BOARD.
Claims use since July 9, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 545,590. MOORE-HANDLEY HARDWARE CO., INC., Birmingham, Ala. Filed Dec. 27, 1947.



Applicant claims ownership of Registrations Nos. 68,728, 68,729, and 68,730.
FOR ENAMELWARE—NAMELY, COFFEE BOILERS, COFFEE POTS, TEAPOTS, MILK AND RICE BOILERS, KETTLES, BOWLS, AND CHAMBERS.
Claims use since Jan. 1, 1913.

Ser. No. 548,522. JULIANA H. PRATHER, Dayton, Ohio. Filed Jan. 31, 1948.

CONETTE

FOR SPIRAL METAL HOLDERS FOR CANDLES AND USED AS TABLE DECORATIONS OR CENTERPIECES.
Claims use since Nov. 1, 1947.

Ser. No. 554,349. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill. Filed Apr. 12, 1948.

Flexi-Grip

Applicant disclaims any exclusive right to the word "Grip" on the term "Flexi-Grip" apart from the mark as shown.
FOR CABINET HARDWARE — NAMELY, DOOR CATCHES.
Claims use since January 1946.

Ser. No. 560,582. TINNERMAN PRODUCTS, INC., Cleveland, Ohio. Filed July 1, 1948.

Speed Grip

The word "Grip" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 244,038, 347,986, and others.
FOR METAL CLIPS FOR HOLDING NUTS IN FASTENING POSITION.
Claims use since June 25, 1948.

Ser. No. 562,740. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Aug. 3, 1948.

LANOKLEEN

The word "Kleen" is disclaimed. Applicant claims ownership of Registration No. 377,736.
FOR POWDERED HAND SOAP DISPENSER ADAPTED TO BE AFFIXED TO A WALL OR SIMILAR STRUCTURE.
Claims use since April 1940.

Ser. No. 567,716. THE SCHATZ MANUFACTURING COMPANY, Poughkeepsie, N. Y. Filed Oct. 27, 1948.

Acme

FOR BALL BEARING CASTERS FOR FURNITURE AND TRUNKS.
Claims use since Mar. 28, 1889.

Ser. No. 571,007. BRECO MANUFACTURING CO., Baltimore, Md. Filed Dec. 23, 1948.

BRECOWAY

FOR PIPE AND HOSE COUPLINGS.
Claims use since Nov. 18, 1948.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 569,603. CONTROL INDUSTRIES, INCORPORATED, Detroit, Mich. Filed Nov. 30, 1948.

CLAD-COAT

FOR LAMINAR METALLIC SHEET MATERIAL.
Claims use since May 13, 1948.

Ser. No. 571,957. THE DECATUR CASTING COMPANY, Hamilton, Ohio. Filed Jan. 11, 1949.



FOR GRAY IRON CASTINGS, SPECIFICALLY CASTINGS FOR PARTS OF ELECTRIC MOTORS AND GENERATORS, AIR COMPRESSORS, GASOLINE PUMPS, AND BUILDERS' HARDWARE.
Claims use since 1921.

Ser. No. 573,477. HUNTER DOUGLAS CORPORATION, New York, N. Y. Filed Feb. 8, 1949.

FLEXAIRE

Applicant claims ownership of Registration No. 427,704.
FOR METAL STOCK IN BOTH COIL AND FLAT FORM FROM WHICH VENETIAN BLIND SLATS ARE MADE.
Claims use since Jan. 27, 1949.

CLASS 15

OILS AND GREASES

Ser. No. 547,603. ANTONINO AJELLO & BROTHERS, New York, N. Y. Filed Jan. 21, 1948.

Jewels of Light

FOR CANDLES.
Claims use since August 1938.

Ser. No. 558,773. ASHLAND OIL & REFINING COMPANY, Ashland, Ky. Filed June 9, 1948.

Ashland

OLD GOLD

Applicant claims ownership of Registrations Nos. 265,844 and 431,784.
FOR MOTOR OIL.
Claims use since Feb. 13, 1947.

Ser. No. 565,975. ERNEST A. TAPP, doing business as Ten-To-One Chemical Co., Kansas City, Mo. Filed Sept. 27, 1948.

TUNE 10 TO ONE UP

The words "Tune Up" are disclaimed.
FOR LUBRICATING OIL FOR CONDITIONING INTERNAL COMBUSTION ENGINES.
Claims use since Aug. 24, 1948.

Ser. No. 568,609. GILRON PRODUCTS COMPANY, Cleveland, Ohio. Filed Nov. 12, 1948.

Gilron.

FOR INDUSTRIAL LUBRICATING AND COOLING COMPOSITION FOR FORMING ON METAL STOCK A DRY HOMOGENEOUS SELF-ADHERENT LUBRICATING AND COOLING FILM ADAPTED TO LUBRICATE THE METAL DURING SUBSEQUENT DIE FORMING AND OTHER SHAPING OPERATIONS.
Claims use since Oct. 19, 1937.

Ser. No. 568,708. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 13, 1948.

ATLANTIC

Applicant claims ownership of Registrations Nos. 408,235, 410,662, and 411,357.
FOR PETROLEUM WAXES, LUBRICATING GREASES, LUBRICATING OILS, AND MOTOR FUELS.
Claims use since Mar. 15, 1938.

Ser. No. 574,158. THE OHIO OIL COMPANY, Findlay, Ohio. Filed Feb. 19, 1949.

MARATHON



The words "Best In The Long Run" are disclaimed. Applicant claims ownership of Registrations Nos. 97,301, 108,754, and others.

FOR MOTOR LUBRICATING OILS AND GREASES.

Claims use since Dec. 10, 1930.

Ser. No. 575,561. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed Mar. 16, 1949.

CAMEO

FOR CANDLES.

Claims use since January 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 551,715. KRANO SANITARY & JANITOR SUPPLY CO., Chicago, Ill., now by change of name Krano Products Company. Filed Mar. 11, 1948.

KRANO

FOR PRIMER COMPOUND FOR COATING CONCRETE FLOORS AND WALLS PRIOR TO PAINTING SAME, PAINT FOR COLORING THE SURFACES OF CONCRETE FLOORS AND WALLS, SURFACE SEALER COMPOUND FOR SEALING PORES OF CONCRETE FLOORS AND WALLS PRIOR TO PAINTING SAME, VARNISH TYPE FINISH FOR WOODEN FLOORS, AND PENETRATING SEALER FOR WOODEN FLOORS.

Claims use since Aug. 27, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 544,034. H. ANTON BOCK CO., INC., New York, N. Y. Filed Dec. 11, 1947.

"CURLY HEADS"

Applicant claims ownership of Registration No. 400,647.

FOR CIGARS.

Claims use since September 1935.

Ser. No. 562,980. BENSON & HEDGES, New York, N. Y. Filed Aug. 7, 1948.

FIELD & STREAM

FOR PIPE TOBACCO.

Claims use since July 26, 1948.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 536,368. THE FAIR, Chicago, Ill. Filed Oct. 1, 1947. (Classified in Class 51.)

Faircrest

FOR HAND CREAM, SKIN CLEANSERS, SKIN REFRESHENERS, BATH SALTS, ASPIRIN, CASCARA, GLYCERINE SUPPOSITORIES, MILK OF MAGNESIA, ZINC OXIDE, CITRATES AND CARBONATES, EPSOM SALT, MEDICINAL FULLERS EARTH, HAIR DYE, SENNA LEAVES, SULPHUR, WITCH HAZEL, RUBBING ALCOHOL, MOUTHWASH, DISINFECTANTS, SHAMPOOS, IODINE, OIL OF WINTERGREEN, SPIRITS OF CAMPHOR, COD LIVER OIL, LAXATIVES, SPIRITS OF AMMONIA, CAMPHORATED OIL, CASTOR OIL, DOBELLS SOLUTION, PEPPERMINT OIL, COUGH SYRUP, NASAL OIL, GLYCERINE AFTER SHAVING LOTIONS, BAY RUM, WATER SOFTENERS, PEROXIDE, SHAVING CREAMS, TOOTHPASTES, ANTISEPTICS.

Claims use since Dec. 31, 1939.

Ser. No. 553,876. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Apr. 5, 1948.

DURACILLIN

Applicant claims ownership of Registration No. 417,551.

FOR MEDICINAL PREPARATION OF PROCAINE PENICILLIN-G, IN OIL, USED IN THE TREATMENT OF BACTERIAL INFECTIONS.

Claims use since Feb. 18, 1948.

Ser. No. 557,395. COLBURN J. SMITH, Lemoore, Calif. Filed May 19, 1948.

NICO-STOP

The use of the word "Stop" apart from the mark is disclaimed.

FOR MEDICAMENT DIRECTED TO THE ALLEVIATION OF THE SMOKING HABIT.

Claims use since June 1947.

Ser. No. 564,745. SOCIETE DES LABORATOIRES CORTIAL SOCIETE RESPONSABILITE LIMITEE, Paris, France. Filed Sept. 4, 1948.

Cortiode

Applicant claims ownership of French Registration No. 275,527, dated July 3, 1931.

FOR INTRAVENOUS OR INTRAMUSCULAR INJECTIONS FOR THE TREATMENT OF CARDIO-VASCULAR AND CARDIO-ARTERIAL DISEASES.

Ser. No. 565,675. WYETH INCORPORATED, Philadelphia, Pa. Filed Sept. 22, 1948.

PONDICILINA

Applicant claims ownership of Registration No. 505,463.

FOR ANTIBIOTIC WITH VASOCONSTRICTOR CONTAINING—NAMELY, PENICILLIN WITH EPHEDRINE.

Claims use since Aug. 26, 1948.

Ser. No. 566,660. G. D. SEARLE & Co., Chicago, Ill. Filed Oct. 7, 1948. Under section 2f of the act of 1946.

SEARLE

Applicant claims ownership of Registration No. 393,021.

FOR MEDICINAL AND PHARMACEUTICAL PREPARATIONS—NAMELY, AMINOPHYLLIN (THEOPHYLLIN-ETHYLENEDIAMINE) GRANULES, TABLETS, POWDERS, AND AMPULS; TABLETS CONTAINING AMINOPHYLLIN WITH PHENOBARBITAL; TABLETS CONTAINING AMINOPHYLLIN WITH POTASSIUM IODIDE; TABLETS CONTAINING AMINOPHYLLIN WITH PHENOBARBITAL AND RACEPHEDRINE HYDROCHLORIDE OR OTHER COMPOUNDS; TABLETS CONTAINING IODINE AND CALCIUM HYDROXIDE; TABLETS FOR THE TREATMENT OF AMEBIC DYSENTERY, ENTAMEBA HISTOLYTICA AND OTHER INTESTINAL INFECTIONS; TABLETS, POWDERS OR AMPULS FOR THE TREATMENT OF INFLAMMATORY CONDITIONS OF THE GALL BLADDER, BILE TRACT, AND LIVER; TABLETS FOR THE TREATMENT OF STAPHYLOCOCCIC INFECTIONS; ANTISEPTIC TABLETS, SOLUTIONS OR POWDERS FOR FEMININE HYGIENE AND TREATMENT OF VAGINAL INFECTIONS; ANESTHETIC TABLETS OR AMPULS; TABLETS FOR RELIEF OF THROAT INFLAMMATIONS AND USEFUL AS A BRONCHIAL EXPECTORANT; TABLETS, POWDERS, AND AMPULS FOR THE TREATMENT OF DERANGEMENTS OF BLOOD PRESSURE, AND FOR PALLIATIVE THERAPY IN ACUTE CARDIAC DERANGEMENTS; ANALGESIC, ANTIPYRETIC, EXPECTORANT, AND SEDATIVE TABLETS AND ELIXIRS; TABLETS AND POWDERS FOR NEUTRALIZING STOMACH ACID; HORMONAL TABLETS AND AMPULS; LAXATIVE AND CHOLAGOGUE TABLETS; TABLETS FOR ORAL ADMINISTRATION AND AMPULS FOR INTRAVENOUS AND INTRAMUSCULAR INJECTION, CONTAINING CALCIUM SALTS; ANTISEPTIC AND GERMICIDAL TABLETS, AMPULS, SOLUTIONS AND TINCTURES; AQUEOUS SOLUTIONS FOR INTRAMUSCULAR INJECTION; AMPULS OF GOLD SODIUM THIOSULFATE; AMPULS FOR INTRAMUSCULAR, INTRAVENOUS, OR INTERDERMAL INJECTION IN NON-SPECIFIC PROTEIN THERAPY; AMPULS, TABLETS, OR CAPSULES USEFUL IN TREATMENT OF METALLIC POISONING; AMPULS FOR INJECTION OF PITUITARY GLAND, THYMUS AND OTHER ENDOCRINE GLAND EXTRACTS; OILS AND EMULSIONS FOR IODINE MEDICATION AND X-RAY DIAGNOSIS; LOTIONS, SOLUTIONS AND OINTMENTS FOR THE TREATMENT OF WOUNDS, BURNS, ABRASIONS, INFECTED CAVITIES, AND AILMENTS OF THE SKIN; LINIMENT USEFUL AS A COUNTER IRRITANT FOR APPLICATION TO THE SKIN; OINTMENTS AND SOLUTIONS FOR THE RELIEF OF HEMORRHOIDS, AND OF INFLAMMATION OF THE MUCOUS MEMBRANES OF THE RESPIRATORY PASSAGES; POWDERS AND TABLETS FOR THE TREATMENT OF CONSTIPATION, COLITIS, AND GASTRIC DUODENAL ULCERS; GRANULAR EFFERVESCENT SALTS FOR THE TREATMENT OF GASTRIC ACIDITY AND REPLENISHMENT OF BODY MINERALS, AND FOR NEUTRALIZING STOMACH ACIDITY; LIQUID LAXATIVE PREPARATION USEFUL AS A STOMACHIC, CARMINATIVE, AND CHOLAGOGUE; LIQUID GASTRO-INTESTINAL ASTRINGENT FOR TREATMENT OF DIARRHEA AND GASTRO-INTESTINAL INFLAMMATIONS; SYRUPS FOR COUGHS, AND USEFUL AS A BRONCHIAL SEDATIVE AND EXPECTORANT; ANTISPASMODIC COMPOUNDS FOR THE TREATMENT OF ASTHMA, HYSTERIA, AND DYSMENORRHEA; LIQUID PREPARATIONS USEFUL AS A SEDATIVE IN THE URINARY TRACT; SOLUTIONS FOR THE TREATMENT OF VARICOSITIES; SOLUTIONS USEFUL AS A TISSUE IRRITANT; GENERAL TONICS AND STIMULANTS TO THE APPETITE; HALOGENATED OILS AND SOLUTIONS AND EMULSIONS FOR USE AS RADIOPAQUE AGENTS; OINTMENTS FOR TREATMENT OF MUCOUS MEMBRANE INFLAMMATIONS; LOTIONS AND OINTMENTS FOR TREATMENT OF SKIN INFLAMMATIONS; LOTIONS FOR TREATMENT OF EYE INFLAMMATIONS; ANTISEPTIC AND GERMICIDAL SOLUTIONS, TINCTURES AND OINTMENTS FOR TREATMENT OF INFECTED AREAS; GLANDULAR EXTRACTS IN POWDERED, OINTMENT, OR TABLET FORMS FOR TREATMENT OF GLANDULAR DEFICIENCIES; AMPULED POWDERS FOR INTRAVENOUS USE AFTER DISSOLVING; ANTISPASMODIC COMPOUNDS FOR RELAXATION OF MUSCLE SPASM; AMPULS USEFUL IN THE TREATMENT OF SYPHILIS; TABLETS OF BILE SALTS AND BILE ACIDS FOR TREATMENT OF LIVER AND GALL BLADDER DISEASE; TABLETS ENTERIC COATED FOR DELAYED ABSORPTION; ANTERIOR PITUITARY GONADOTROPIC HORMONES; THERAPEUTIC PREPARATIONS FOR THE TREATMENT OF ALLERGIC MANIFESTATIONS; PREPARATIONS FOR TREATMENT OF DEFICIENT FUNCTIONS OF THE LIVER AND GALL BLADDER; MEDICINAL PREPARATIONS FOR CORONARY AND CARDIOVASCULAR AILMENTS; PREPARATIONS FOR THE TREATMENT OF PERIPHERAL VASCULAR DISEASES; AND EMOLLIENT SKIN LOTIONS.

Claims use since 1908.

Ser. No. 566,793. CUTTER LABORATORIES, Berkeley, Calif. Filed Oct. 11, 1948.

B. I. P.

FOR BACTERIAL VACCINE FOR INTRAVENOUS USE AS A DESENSITIZING PROTEIN.

Claims use since May 6, 1948.

Ser. No. 567,411. MAURICE LEVEY, doing business as Tisop Products Co., Yonkers, N. Y. Filed Oct. 21, 1948.

TISOP

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF RHEUMATISM.

Claims use since Dec. 1, 1947.

Ser. No. 567,603. SMITH LABORATORIES, INC., Jacksonville, Fla. Filed Oct. 25, 1948.

78s

FOR MEDICINAL COMPOUND IN TABLET FORM FOR THE RELIEF OF PAIN AND FOR REDUCING FEVER WHEN SUCH PAIN AND FEVER RESULT FROM MINOR CAUSES.
Claims use since June 15, 1938.

Ser. No. 568,741. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Nov. 13, 1948.

TOSTRINA-M

Applicant claims ownership of Registration No. 566,624.
FOR MEDICINAL PREPARATION OF METHYLTESTOSTERONE FOR USE IN REPLACEMENT THERAPY IN CONDITIONS OF HORMONE DEFICIENCY.
Claims use since July 12, 1948.

Ser. No. 568,857. MEYERS & ROSSER, Dallas, Tex. Filed Nov. 16, 1948.

PHENO-DONNA

FOR SEDATIVE AND AN ANTISPASMODIC.
Claims use since Oct. 1, 1937.

Ser. No. 568,858. MEYERS & ROSSER, Dallas, Tex. Filed Nov. 16, 1948.

THEBA-PHEN

FOR DIURETIC AND CORONARY VASODILATOR.
Claims use since Oct. 1, 1937.

Ser. No. 569,606. CUTTER LABORATORIES, Berkeley, Calif. Filed Nov. 30, 1948.

UNDECYLINE

FOR MIXTURE OF CHEMICAL COMPOUNDS IN A WATER SOLUBLE BASE FOR THE TREATMENT OF FUNGUS INFECTIONS OF THE SKIN.
Claims use since July 28, 1948.

Ser. No. 570,233. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 8, 1948.

MERAMETH

FOR ANTIBACTERIAL PREPARATION.
Claims use since Dec. 7, 1948.

Ser. No. 570,325. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 10, 1948.

LYO

Applicant claims ownership of Registration No. 330,350.
FOR SERUMS, VACCINES, AND COMPLEMENT.
Claims use since Mar. 14, 1935, on serums and vaccines; and since October 1948 on complement.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 484,212. MU-SWITCH CORPORATION, INC., Canton, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts. Original filed, act of 1905, June 6, 1945; amended to application under act of 1946, Principal Register, July 5, 1947.

MU-SWITCH

The applicant disclaims the word "Switch" apart from the mark as shown.
FOR ELECTRIC SWITCHES.
Claims use since 1938.

Ser. No. 552,169. ARTHUR W. SANDERS, doing business as Abbey International, New York, N. Y. Filed Mar. 17, 1948.

Cosmo

FOR RADIO RECEIVING SETS AND ELECTRICAL PHONOGRAPHS.
Claims use since Nov. 1, 1946.

Ser. No. 554,739. TRU-MAC MANUFACTURING CO. INC., Reading, Mass. Filed Apr. 15, 1948.

Tru-Mac

FOR ELECTRIC WATER HEATERS.
Claims use since Apr. 30, 1932.

Ser. No. 555,065. ESSEX WIRE CORPORATION, Detroit, Mich. Filed Apr. 20, 1948.

PARANITE

Applicant claims ownership of Registrations Nos. 20,916 and 56,559.
FOR INSULATED ELECTRIC WIRES, AND INSULATED ELECTRIC CABLES.
Claims use since Jan. 1, 1892.

Ser. No. 559,733. MEYER ROBBIN, doing business as Robbin Products, Los Angeles, Calif. Filed June 19, 1948.

"Seeing-Eye"

The word "Eye" is disclaimed apart from the mark as shown.
FOR ELECTRIC FLOOR LAMPS, TABLE LAMPS AND PLANTER LAMPS.
Claims use since Jan. 20, 1948.

Ser. No. 561,588. PUBLIC OPERATING CORPORATION, New York, N. Y. Filed July 16, 1948.

GYRO-TENNA

The word "Gyro" is disclaimed.
FOR TELEVISION AND FM ANTENNAE.
Claims use since June 1948.

Ser. No. 561,793. BARBER-COLMAN COMPANY, Rockford, Ill. Filed July 21, 1948.

BARCOL

FOR ELECTRIC MOTOR DRIVEN OPERATORS FOR ACTUATING BUILDING DOORS, GATES, AND DAMPERS.
Claims use since December 1929.

Ser. No. 562,007. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed July 23, 1948.

Electro · MATIC

The exclusive use of the term "Electro" apart from the mark as shown is disclaimed. Applicant claims ownership of Registration No. 377,821.
FOR ELECTRICAL VENTILATING AIR CLEANERS OR PRECIPITATORS OF THE AUTOMATIC SELF-CLEANING TYPE, HAVING AT LEAST ONE SET OF MOVABLE ELECTRODE PLATE ASSEMBLIES AND A STATIONARY VISCOUS LIQUID BATH FOR PLATE ASSEMBLY CLEANING AND RECOATING PURPOSES.
Claims use since May 12, 1939.

Ser. No. 562,012. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed July 23, 1948.

Electro · AIRMAT

The exclusive use of the term "Electro" apart from the mark as shown is disclaimed.
FOR ELECTRICAL VENTILATING AIR CLEANERS OR PRECIPITATORS OF THE STATIONARY DRY CELL TYPE HAVING A REMOVABLE AIR POROUS SHEET-LIKE DIELECTRIC FILTER MEDIUM.
Claims use since Feb. 8, 1946.

Ser. No. 562,014. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed July 23, 1948.

Electro · PL

The term "Electro" is disclaimed apart from the mark as shown.
FOR ELECTRICAL VENTILATING AIR CLEANERS OR PRECITITATORS OF THE STATIONARY NON-IONIZING DRY CELL TYPE, HAVING A REMOVABLE AIR POROUS SHEET-LIKE DIELECTRIC FILTER MEDIUM.
Claims use since May 6, 1948.

Ser. No. 563,595. AUTOMATIC HOUSEHOLD AIDS, INC., New York, N. Y. Filed Aug. 17, 1948.

GUEST

Applicant claims ownership of Registration No. 432,890.
FOR TELEVISION RECEIVING SETS, CENTRAL CONTROL TELEVISION RECEIVING SETS FOR CONNECTION WITH A PLURALITY OF TELEVISION DUPLICATOR SETS, AND REMOTE CONTROL TELEVISION VIEWERS.
Claims use since Nov. 15, 1946.

Ser. No. 565,502. WILLIAMS AND SHELTON COMPANY, INC., Charlotte, N. C. Filed Sept. 20, 1948.

WandS

FOR ELECTRIC COOKING STOVES AND RANGES, ELECTRIC WATER HEATERS, AND RADIO RECEIVING SETS.
Claims use since July 20, 1948.

Ser. No. 565,856. THE TUDOR ACCUMULATOR COMPANY LIMITED, Dukinfield, England. Filed Sept. 13, 1948.

TUDOR

Applicant claims ownership of British Registration No. 430,202, dated Oct. 4, 1922.
FOR STORAGE BATTERIES AND PARTS THEREOF.

Ser. No. 566,697. KENNETH GOODAY ENGLAR, Pacific Palisades, Calif. Filed Oct. 8, 1948.

"Hole-in-One"

FOR ATTACHMENT PLUGS FOR ATTACHING A CORD CONNECTED APPLIANCE TO AN ELECTRIC SUPPLY CIRCUIT.
Claims use since Jan. 10, 1948.

Ser. No. 568,931. THE CHASE-SHAWMUT COMPANY, Newburyport, Mass. Filed Nov. 17, 1948.

Time t-d delay

The words "Time delay" are disclaimed.
FOR ELECTRIC FUSES AND FUSE LINKS THEREFOR.
Claims use since August 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 505,707. MCCONNELL MANUFACTURING COMPANY, Cambridge, Ohio, by change of name from M-D Manufacturing Company. Original filed, act of 1905, July 16, 1946; amended to application under act of 1946, Principal Register, Mar. 22, 1948.



The term "Sac" and the representation of the fish are disclaimed.
FOR CANVAS BAIT BAGS.
Claims use since Mar. 15, 1939.

Ser. No. 545,632. LOOBY LOO DESIGNERS, Minneapolis, Minn. Filed Dec. 29, 1947.

LOOBY LOO

FOR DOLLS, DOLL CLOTHES, AND DOLL FURNITURE.
Claims use since June 1, 1947.

Ser. No. 552,534. BEEHLER ARTS, New York, N. Y. Filed Feb. 26, 1948.

Virga

FOR DOLLS.
Claims use since Mar. 15, 1946.

Ser. No. 553,668. BERYL W. BOYNTON, Lafayette, Calif. Filed Apr. 2, 1948.



The word "Wynnyk" is disclaimed.
FOR DOLLS.
Claims use since Mar. 19, 1948.

Ser. No. 554,757. AKRON PLASTICS, INC., Akron, Ohio. Filed Apr. 16, 1948.

GOOF BALL

The word "Ball" is disclaimed.
FOR TOY AND GAME BALLS.
Claims use since May 1, 1947.

Ser. No. 558,170. JOHN T. RIDDELL, INC., Chicago, Ill. Filed May 29, 1948. Under section 2f of the act of 1946.

Riddell

Applicant claims ownership of Registration No. 302,272.
FOR FOOTBALL HELMETS AND HEAD BAND SUSPENSIONS FOR HELMETS.
Claims use since December 1939.

Ser. No. 561,436. BAYSHORE INDUSTRIES, INC., Elkton, Md. Filed July 15, 1948.

"CANNON BALL - TORPEDO"

FOR TOY RUBBER BALLOONS.
Claims use since June 16, 1948.

Ser. No. 561,437. BAYSHORE INDUSTRIES, INC., Elkton, Md. Filed July 15, 1948.

"EXPLOSIVE DYNAMITE - SALUTE"

FOR TOY RUBBER BALLOONS.
Claims use since June 16, 1948.

Ser. No. 562,254. LESLIE L. EYERKUSS, Belleville, N. J. Filed July 27, 1948.

MIN-A-TRAFFIC

FOR TOY MINIATURE ELECTRIC TRAFFIC SIGNAL LAMPS.
Claims use since November 1946.

Ser. No. 563,110. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Aug. 10, 1948.

BRUNSCOLOY

FOR SPOTTING COLLARS FOR BOWLING PIN SETTERS IN THE NATURE OF GUIDE MEMBERS THROUGH WHICH THE BOWLING PINS PASS TO THEIR PROPER POSITION ON THE BOWLING ALLEY.
Claims use since Mar. 26, 1948.

Ser. No. 563,224. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Aug. 11, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 56,429.
FOR BADMINTON RACKETS, TENNIS RACKETS, SQUASH RACKETS, TABLE TENNIS BATS, GOLF CLUBS, GOLF BALLS, TENNIS BALLS, TABLE TENNIS BALLS, BASKETBALLS, FOOTBALLS, SOCCER-BALLS, VOLLEY BALLS, SQUASH BALLS, SHUTTLECOCKS, SOFTBALLS, HANDBALLS, BASEBALL GLOVES, SOFTBALL GLOVES, BASEBALL BATS, SOFTBALL BATS, FOOTBALL HELMETS, ATHLETIC SHOULDER PADS, BOXING GLOVES, ICE SKATES AND ROLLER SKATES, GOLF BAGS, AND GOLF GLOVES.
Claims use since Jan. 1, 1876.

Ser. No. 563,225. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Aug. 11, 1948. Under section 2f of the act of 1946.

SPALDING

Applicant claims ownership of Registrations Nos. 56,737, 56,738, 62,632, 62,670, 62,671, 63,796, 63,798, 64,046, 64,081, 215,873, 431,295, and 431,730.
FOR BADMINTON RACKETS, TENNIS RACKETS, SQUASH RACKETS, TABLE TENNIS BATS, GOLF

CLUBS, GOLF BALLS, TENNIS BALLS, TABLE TENNIS BALLS, BASKETBALLS, FOOTBALLS, SOCCERBALLS, VOLLEY BALLS, SQUASH BALLS, SHUTTLECOCKS, BASEBALLS, SOFTBALLS, HANDBALLS, BASEBALL GLOVES, SOFTBALL GLOVES, BASEBALL BATS, SOFTBALL BATS, FOOTBALL HELMETS, ATHLETIC SHOULDER PADS, BOXING GLOVES, ROLLER SKATES AND ICE SKATES, GOLF BAGS, AND GOLF GLOVES.
Claims use since Jan. 1, 1876.

Ser. No. 564,801. THE BARR RUBBER PRODUCTS COMPANY, Sandusky, Ohio. Filed Sept. 8, 1948. Under section 2f of the act of 1946.



The drawing is lined for shading only. The words "The" and "Rubber Products Co." are disclaimed.
FOR TOYS—NAMELY, BALLOONS, BALLS, DOLLS, AND OTHER ARTICLES OF VARIOUS CONFIGURATIONS SUITABLE FOR THE PLAY AND/OR AMUSEMENT OF ADULTS, CHILDREN, AND/OR ANIMAL PETS; AND GAME BALLS—NAMELY, BASEBALLS, BASKETBALLS, FOOTBALLS, AND THE LIKE, ALL OF SAID ARTICLES BEING COMPRISED IN WHOLE OR IN PART OF RUBBER (NATURAL OR SYNTHETIC), LATEX, OR PLASTIC.
Claims use since July 1, 1920.

Ser. No. 565,752. THE CHARMORE COMPANY, Paterson, N. J., and New York, N. Y. Filed Sept. 24, 1948.

CROONOLA

FOR MOUTH OPERATED MUSICAL TOY INTO WHICH ONE HUMS OR SINGS.
Claims use since Aug. 19, 1948.

Ser. No. 568,427. T. S. DUCK & COMPANY, Ontario, Calif. Filed Nov. 9, 1948.

SWADEKRAFT

FOR PAINTING SET COMPRISING SHEETS BEARING PRINTED DESIGNS, A BRUSH, AND PACKAGES OF FLOCK OF VARIOUS COLORS.
Claims use since Aug. 20, 1948.

Ser. No. 568,940. J. A. DUBOW MANUFACTURING CO., INC., Chicago, Ill. Filed Nov. 17, 1948.



The words "Sure Catcher" and the representation of a baseball are disclaimed.
FOR BASEBALL GLOVES.
Claims use since Aug. 28, 1948.

Ser. No. 570,633. THE PRODUCTION AND MARKETING CORPORATION, Newtown, Conn. Filed Dec. 16, 1948.

SCRABBLE

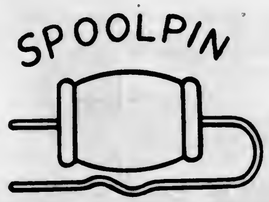
FOR GAME INCLUDING BOARD AND PLAYING PIECES.
Claims use since Dec. 1, 1948.

Ser. No. 571,279. KENNEDY MANUFACTURING COMPANY, Van Wert, Ohio. Filed Dec. 29, 1948. Under section 2f of the act of 1946.



The word "Kits" is disclaimed. Applicant claims ownership of Registration No. 294,426.
FOR TACKLE BOXES.
Claims use since Apr. 27, 1914.

Ser. No. 571,517. ANNA M. CURRY, Independence, Mo. Filed Jan. 3, 1949.



FOR TOY DISH AND CUP SETS, TOY BANKS, AND TOY BUILDING BLOCKS.
Claims use since Dec. 22, 1948.

Ser. No. 572,310. C. RAY LAWYER, doing business as C. Ray Lawyer Companies, Berkeley, Calif. Filed Jan. 17, 1949.

THE PLAINSMAN

FOR TOY PISTOLS AND CAP PISTOLS.
Claims use since January 1947.

Ser. No. 572,827. BERLE-PINKERTON INDUSTRIES, INC., South Boston, Boston, Mass. Filed Jan. 26, 1949.



The circle feature of the mark contains the letters "BPI."
FOR PLAYYARD EQUIPMENT—NAMELY, GYMNASIUM SETS, CLIMBING TOWERS, AND WADING POOLS.
Claims use since Jan. 9, 1949.

Ser. No. 572,902. KALAMAZOO SLED COMPANY, Kalamazoo, Mich. Filed Jan. 27, 1949.



The drawing is lined for shading only.
FOR CHILD'S SLED.
Claims use since Mar. 8, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 482,973. BORG-WARNER CORPORATION, Chicago, Ill. Original filed, act of 1905, May 4, 1945; amended to application, under act of 1946, Principal Register, Aug. 27, 1947. Under section 2f of the act of 1946.

MARVEL-SCHEBLER

FOR CARBURETORS FOR INTERNAL COMBUSTION ENGINES USED IN VEHICLES—NAMELY, AUTOMOBILES, TRUCKS, TRACTORS, AIRPLANES, AND MOTOR CYCLES; AND FOR CARBURETORS FOR MARINE AND INDUSTRIAL ENGINES.
Claims use since Jan. 1, 1934.

Ser. No. 520,765. POTTER & JOHNSTON MACHINE COMPANY, Pawtucket, R. I., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey. Original filed, act of 1905, Apr. 15, 1947; amended to application under act of 1946, Principal Register, Aug. 8, 1947.

Speed-flex

No claim is made to the word "Speed" apart from the mark as shown.
FOR MACHINE TOOLS—NAMELY, AUTOMATIC CHUCKING AND TURNING LATHES AND PARTS THEREOF, CUTTING TOOLS FOR LATHES, AND TOOL HOLDERS THEREFOR.
Claims use since Mar. 24, 1947.

Ser. No. 521,817. NORDBERG MANUFACTURING COMPANY, Milwaukee, Wis. Original filed, act of 1905, May 3, 1947; amended to application under act of 1946, Principal Register, Aug. 20, 1948. Under section 2f of the act of 1946.

BUSCH-SULZER

FOR INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 1, 1914.

Ser. No. 527,491. J. L. FERGUSON COMPANY, Joliet, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

IMPACKT

FOR OAT HULLERS.
Claims use since 1941.

Ser. No. 528,067. CONCRETE TERMITE COMPANY, Pasadena, Calif. Filed July 7, 1947.

CONCRETE TERMITE

The word "Concrete" is disclaimed apart from the mark as shown.
FOR DRILL BITS FOR DRILLING CONCRETE, MARBLE, AND OTHER HARD ABRASIVE MATERIAL.
Claims use since Oct. 18, 1946.

Ser. No. 531,032. HART-CARTER COMPANY, Minneapolis, Minn. Filed Aug. 11, 1947.

MILLERATOR

Applicant claims ownership of Registration No. 237,720.
FOR GRAIN CLEANING MACHINERY—NAMELY, MILLING SEPARATORS UTILIZING BOTH SCREENS AND AIR CURRENTS TO EFFECT SEPARATION.
Claims use since Jan. 1, 1927.

Ser. No. 540,541. IDEAL INDUSTRIES, INC., Sycamore, Ill. Filed Nov. 8, 1947.

"SMOOTHIES"

FOR HAND POLISHING TOOLS PECULIARLY DESIGNED FOR THE RESURFACING OF COMMUTATOR BARS.
Claims use since June 1, 1947.

Ser. No. 542,524. THE BINGHAM-HERBRAND CORPORATION, Toledo and Fremont, Ohio. Filed Nov. 28, 1947. Under section 2f of the act of 1946 as to "The Aristocrat."



The representation of the tools and "Since 1881" and "Of Tools" are disclaimed. Stippling has been used in the drawing.

FOR WRENCHES OF ALL KINDS, PLIERS, HAMMERS, SCREW DRIVERS, AND CHISELS.

Claims use since April 1936.

Ser. No. 550,088. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 18, 1948.

Maid of Honor

FOR FOOD CHOPPERS, HAND OPERATED FOOD GRINDERS, KITCHEN UTENSILS—NAMELY, MIXING SPOONS, PIE SERVERS, POTATO MASHERS, FORKS, BASTING SPOONS, SPATULAS AND LADLES, CAN OPENERS, FOOD SLICERS, CARPET SWEEPERS, TIN CAN SEALERS.

Claims use since Jan. 15, 1946, for food choppers, grinders, kitchen utensils—namely, mixing spoons, pie servers, potato mashers, forks, basting spoons, spatulas and ladles; since Jan. 15, 1947, for can openers, food slicers, carpet sweepers; since July 15, 1947, for tin can sealers.

Ser. No. 550,593. THE FIBRE METAL PRODUCTS COMPANY, Chester, Pa. Filed Feb. 26, 1948.

SCALEMASTER

FOR COMBINATION WELD CLEANING AND CHIPPING TOOL.

Claims use since Feb. 20, 1948.

Ser. No. 551,471. NESEN DIAMOND TOOL CORPORATION, New York, N. Y. Filed Mar. 8, 1948.

NESEN

FOR EMERY WHEEL DRESSERS, SINGLE POINT DRESSING TOOLS, MULTI-DIAMOND DRESSING TOOLS, DIAMOND IMPREGNATED DRESSING TOOLS, CHISEL EDGE DRESSING TOOLS, CONE SHAPED DRESSING TOOLS, CONTOUR DRESSING TOOLS, NEEDLE POINT DRESSING TOOLS, FORM DRESSING TOOLS, VALVE REFACER DRESSING TOOLS, VALVE SEAT GRINDER DRESSING TOOLS, THREAD GRINDER DRESSING TOOLS, SHAPED TOOLS FOR BORING, CUTTING OR TURNING METALS, PLASTICS AND SO FORTH, GEAR GRINDER DRESSING TOOLS, DIAMOND WHEELS AND HONES OF STANDARD SHAPES AND SIZES SUPPLIED IN METAL, RESINOID AND VITRIFIED BOND, GLASS CUTTERS, DIAMOND MARKING PENCILS, AND ENGRAVING NEEDLES.

Claims use since Feb. 2, 1943.

Ser. No. 556,423. COPY RIGHT MANUFACTURING CORPORATION, New York, N. Y. Filed May 7, 1948.

STAND-BY

The word "Stand" is disclaimed.

FOR COPY WORK HOLDERS FOR USE BY STENOGRAPHERS, TYPISTS, PROOFREADERS, ETC.

Claims use since Dec. 1, 1947.

Ser. No. 556,621. BISON MOTOR CO., Great Falls, Mont. Filed May 10, 1948.



FOR REBUILT INTERNAL COMBUSTION ENGINES.

Claims use since Nov. 14, 1947.

Ser. No. 562,872. NATIONAL AIR SANDER, INCORPORATED, Rockford, Ill. Filed Aug. 5, 1948.

MITY MIDGET

FOR PORTABLE FLUID PRESSURE ACTUATED RUBBING AND SANDING MACHINES.

Claims use since Feb. 23, 1942.

Ser. No. 563,820. OLIVER UNITED FILTERS INCORPORATED, Oakland, Calif. Filed Aug. 21, 1948.

Olivite

FOR CENTRIFUGAL PUMPS AND PUMP LININGS USED FOR INDUSTRIAL PURPOSES FOR USE UNDER CORROSIVE CONDITIONS.

Claims use since Nov. 15, 1921.

Ser. No. 566,061. ATHEY PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 29, 1948.



FOR LOADERS — NAMELY, SELF-PROPELLED LOADING MACHINES WHICH WITH MECHANICAL CONVEYORS PICK UP WINDROWS AND OTHER ACCUMULATIONS OF MATERIAL TO BE DEPOSITED IN ACCOMPANYING VEHICLES AND TRACTOR-SUPPORTED LOADING MACHINES PROVIDED WITH BOOM-CARRIED BUCKETS; AND TRACK-LAYING OR CRAWLER WHEEL UNITS.

Claims use since Oct. 1, 1945.

Ser. No. 566,242. ERWIN J. PANISH, doing business as Panish Controls, Bridgeport, Conn. Filed Oct. 1, 1948.

POSITROL

FOR COMBINATION CLUTCH AND THROTTLE CONTROL FOR ENGINES WITH HYDRAULIC REVERSE GEARS.

Claims use since April 1948.

Ser. No. 567,287. VAUGHAN NOVELTY MFG. CO., Chicago, Ill. Filed Oct. 20, 1948. Under section 2f of the act of 1946.

Locktite

FOR COMBINATION BOTTLE STOPPERS AND OPENERS.

Claims use since September 1932.

Ser. No. 568,923. ARMSTRONG SIDDELEY MOTORS LIMITED, Coventry, England. Filed Nov. 17, 1948.

MAMBA

Applicant claims ownership of British Registration No. 661,133, dated July 28, 1947.

FOR AEROPLANE ENGINES.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 560,318. LOUIS LUCIEN CAUSSAT, Brunoy, France. Filed June 28, 1948.

CYCLOPE

Applicant claims ownership of French Registration No. 332,726, dated Mar. 18, 1942.

FOR KALEIDOSCOPES.

Ser. No. 563,178. THE HALOID COMPANY, Rochester, N. Y. Filed Aug. 11, 1948.

XEROGRAPH

FOR APPARATUS FOR MAKING PHOTOCOPIES WITH ELECTROPHOTOGRAPHIC PLATES COMPRISING A CONDUCTIVE BACKING LAYER AND A PHOTOCONDUCTIVE INSULATING LAYER.

Claims use since Aug. 4, 1948.

Ser. No. 563,179. THE HALOID COMPANY, Rochester, N. Y. Filed Aug. 11, 1948.

XEROPLATE

FOR ELECTROPHOTOGRAPHIC PLATES COMPRISING A CONDUCTIVE BACKING LAYER AND A PHOTOCONDUCTIVE INSULATING LAYER FOR MAKING PHOTOCOPIES ELECTRICALLY.

Claims use since Aug. 4, 1948.

Ser. No. 567,924. THE PURE OIL COMPANY, Chicago, Ill. Filed Oct. 30, 1948.

PURE

Applicant claims ownership of Registrations Nos. 343,283, 343,649, 343,650, 343,651, 343,805, and 349,765.

FOR TACHOMETER, TIMING LIGHT FOR USE IN CONNECTION WITH IGNITION TESTERS, CONDENSER TESTER, COMPRESSION TESTER, VACUUM

TESTER, PRIMARY CIRCUIT TESTER, IGNITION SYSTEM TESTER, DISTRIBUTOR DWELL ANGLE INDICATOR, AND AUTOMOBILE COOLING SYSTEM ANTI-FREEZE TESTER (HYDROMETER).
Claims use since Oct. 15, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 576,248. CLARENCE M. BRADBURY, Brooklyn, N. Y. Filed Mar. 29, 1949.

PIR-A-TAK-IC



FOR WATCHES.
Claims use since July 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 563,523. TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Filed May 20, 1948. Under section 2f of the act of 1946.

SILVER FLUTES

The word "Silver" is disclaimed. Applicant claims ownership of Registration No. 397,289.
FOR STERLING SILVER AND STERLING SILVER MOUNTED FLATWARE, HOLLOW-WARE, AND CUTLERY.
Claims use since July 3, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 555,516. INDEPENDENT PNEUMATIC TOOL COMPANY, Chicago, Ill. Filed Apr. 24, 1948.

Thors

FOR CARBON CLEANING BRUSHES, VALVE GUIDE CLEANING BRUSHES, WIRE CUP BRUSHES, AND GENERAL PURPOSE WIRE BRUSHES.
Claims use since 1932.

Ser. No. 557,342. CUSHMAN AND DENISON MFG. CO., INC., New York, N. Y. Filed May 19, 1948.

FLO-MASTER

The applicant disclaims the exclusive right to the term "Flo" except in combination with its entire mark.
FOR FOUNTAIN BRUSHES.
Claims use since May 31, 1945.

Ser. No. 557,465. THE ANDRE L. RICHARD CO., INC., New York, N. Y. Filed May 20, 1948. Under section 2f of the act of 1946.

Fluffipuff

FOR POWDER PUFFS.
Claims use since January 1931.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 541,332. PHILIPS AND ASSOCIATES LIMITED, London, England. Filed Nov. 15, 1947.

SYCO

Priority under section 44(d). British application filed June 3, 1947; Reg. No. 659,711.
FOR CONTAINERS MADE OF CHALKSTONE FOR FLOWERS AND FOR PLANTS.

Ser. No. 559,846. JAMES E. KELLY, doing business as Studio City Manufacturing Company, Studio City, Calif. Filed June 21, 1948.



The representation of a container is disclaimed apart from the mark.
FOR CERAMIC CONDIMENT SHAKERS.
Claims use since June 7, 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 539,839. TEMPRITE PRODUCTS CORPORATION, Detroit, Mich. Filed July 19, 1947.

TEMPRITE

Applicant claims ownership of Registration No. 271,959.
FOR MECHANICAL REFRIGERATING APPARATUS OF THE COMPRESSOR-CONDENSER-EXPANDER TYPE, AND PARTS AND FITTINGS THEREOF AND ENCLOSING CABINETS THEREFOR, THE SAME CONSISTING OF: SELF-CONTAINED WATER COOLERS OF PRESSURE AND BOTTLE TYPES THAT COMPRISE COOLING UNIT (CONSTITUTING REFRIGERANT EXPANDER) MOTOR DRIVEN COMPRESSOR, CONDENSER AND ENCLOSING CABINET; WATER AND BEVERAGE COOLING UNITS (REFRIGERANT EXPANDERS) AND MOUNTING BASES AND CABINETS FOR SUCH WATER COOLING UNITS; COOLER-CARBONATORS IN THE FORM OF UNITARY DEVICES FOR CHARGING LIQUID WITH CO_2 GAS AND COOLING THE LIQUID CHARGED; CABINETS AND PUMP-MOTOR-RELAY ASSEMBLIES FOR SAID COOLER-CARBONATORS; REFRIGERATED PHOTOGRAPHIC SINKS; WATER AND BEVERAGE COOLER PARTS CONSISTING OF REFRIGERANT CONTROL VALVES; AND FITTINGS FOR THE SAID REFRIGERATING APPARATUS CONSISTING OF OIL SEPARATORS (FOR SEPARATING OIL FROM REFRIGERANT), ADAPTOR-BLOCK ASSEMBLIES FOR SAID OIL SEPARATORS, ACCUMULATOR-INTERCHANGERS (FOR ACCUMULATING UNEVAPORATED REFRIGERANT AND INTERCHANGE OF HEAT BETWEEN GASEOUS AND LIQUID REFRIGERANT), REFRIGERANT EQUALIZER TANKS, AND CONNECTOR TUBES FOR THE WATER AND BEVERAGE COOLERS AND COOLER-CARBONATORS.
Claims use since Sept. 1, 1929.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 522,831. GENERAL PLYWOOD CORPORATION, Louisville, Ky. Original filed, act of 1905, May 13, 1947; amended to application under act of 1946, Principal Register, May 21, 1948.

durastyle
fine furniture
GENERAL PLYWOOD

The words "fine furniture" and "Plywood" are disclaimed.
FOR FURNITURE—NAMELY, TABLES AND CHAIRS.
Claims use since Dec. 16, 1946.

Ser. No. 556,712. CARL FORSLUND, INC., Grand Rapids, Mich. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

QUAINT AMERICAN

FOR HOUSEHOLD FURNITURE—NAMELY, DINING TABLES, LIBRARY TABLES, SERVING TABLES, END TABLES, COFFEE TABLES, DROP-LEAF TABLES, EXTENSION TABLES, TILT-TOP TABLES, GATE-LEG TABLES, DRAW-LEAF TABLES, DRESSING TABLES, NEST OF TABLES, SEWING TABLES, CONSOLE TABLES, COCKTAIL TABLES, LAMP TABLES, SOFA TABLES, TEA TABLES, OCCASIONAL TABLES, DINING CHAIRS, ROCKING CHAIRS, PARLOR CHAIRS, PULL-UP CHAIRS, OCCASIONAL CHAIRS, WING CHAIRS, TUFTED CHAIRS, LOUNGE CHAIRS, DAVENPORTS, SOFAS, LOVE SEATS, SEWING STANDS, PLANT STANDS, NIGHT STANDS, SMOKING STANDS, LAMP STANDS, LAMP BASES, TELEPHONE BENCHES, COMMODES, BEDS, TEA WAGONS, BUFFETS, CHINA CABINETS, FOLDING SCREENS, SETTEES, DAY BEDS, CHAISE LONGUES, MAGAZINE RACKS, WALL RACKS, FOOT STOOLS, HASSOCKS, MIRROR FRAMES, DESKS, SECRETARY-DESKS, CHIFFOROBES, COSTUMERS, DRESSERS, VANITY DRESSERS, CHIFFONIERS, WARDROBES, AND CHESTS.
Claims use since Dec. 1, 1942.

CLASS 33

GLASSWARE

Ser. No. 504,845. GEORG JENSEN INC., New York, N. Y. Original filed, act of 1905, June 29, 1946; amended to application under act of 1946, Principal Register, Jan. 13, 1948. Under section 2f of the act of 1946.



The abbreviation "Inc." is disclaimed apart from the trade-mark.

FOR GLASSWARE FOR DOMESTIC AND HOUSEHOLD USE—NAMELY, DINNER AND OTHER TABLE GLASSWARE; FANCY GOODS MADE OF GLASS—NAMELY, BOWLS, TRAYS, DISHES, PLATTERS, VASES, DECANTERS, JARS, COASTERS, AND ORNAMENTAL BOXES OR RECEPTACLES FOR GENERAL USE.

Claims use since June 5, 1942.

Ser. No. 571,604. B. B. CRYSTAL CORP., New York, N. Y. Filed Jan. 4, 1949.

B★B

DUREX

Applicant claims ownership of Registration No. 293,804.

FOR WATCH CRYSTALS.

Claims use since May 25, 1931.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 551,130. NORTHWEST FOUNDRY & FURNACE CO., Portland, Oreg. Filed Mar. 3, 1948.



The words "Foundry & Furnace Company" are disclaimed.

FOR DOMESTIC AND INDUSTRIAL HEATING AND VENTILATING EQUIPMENT—VIZ., OIL BURNERS, WARM AIR FURNACES, FANS, FURNACE BLOWERS, AND SAWDUST BURNERS.

Claims use since Jan. 1, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 562,529. BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed July 30, 1948. Under section 2f of the act of 1946.

FAIRMONT

FOR BOOK PAPER.

Claims use since Sept. 15, 1926.

Ser. No. 563,199. LEE PAPER COMPANY, Vicksburg, Mich. Filed Aug. 11, 1948. Under section 2f of the act of 1946.

ANDOVER BOND

The word "Bond" is disclaimed. Applicant claims ownership of Registration No. 333,705.

FOR BOND PAPER.

Claims use since Mar. 16, 1934.

Ser. No. 565,619. GROVETON PAPERS COMPANY, Groveton, N. H. Filed Sept. 22, 1948.

ANACONDA BOND

The word "Bond" is disclaimed. Applicant claims ownership of Registration No. 261,090.

FOR BOND PAPER.

Claims use since Jan. 10, 1929.

Ser. No. 566,743. BROWN & BIGELOW, St. Paul, Minn. Filed Oct. 9, 1948.

Redipad

Applicant claims ownership of Registrations Nos. 144,356, 266,667, 509,562, 515,360, 512,705, 510,975, and 516,671.

FOR MEMORANDUM PADS.

Claims use since Nov. 10, 1946.

Ser. No. 567,259. JOSEPH GILLOTT & SONS, LIMITED, Birmingham, England. Filed Oct. 20, 1948.

JOSEPH GILLOTT

The mark is the name of a person long deceased. Applicant claims ownership of Registrations Nos. 74,587 and 129,746.

FOR STEEL PENS.

Claims use since Jan. 1, 1821.

Ser. No. 569,059. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Nov. 19, 1948.

CRYORAP

Applicant claims ownership of Registrations Nos. 384,060, 397,530, and 384,061.

FOR TRANSPARENT OR TRANSLUCENT THERMOPLASTIC WRAPPING AND PACKAGING MATERIAL IN THE FORM OF SHEETS AND FILMS.

Claims use since Oct. 5, 1948.

Ser. No. 572,189. MERCANTILE STORES COMPANY, INC., Wilmington, Del. Filed Jan. 14, 1949.

Merville

Applicant claims ownership of Registration No. 418,841.

FOR PERSONAL AND SOCIAL STATIONERY CONSISTING OF SHEETS OF WRITING PAPER AND ENVELOPES.

Claims use since August 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 503,824. MILPRINT, INC., Milwaukee, Wis. Original filed, act of 1905, June 13, 1946; amended to application under act of 1946, Principal Register, July 14, 1947.

MILPRINT

Applicant claims ownership of Registrations Nos. 252,997, 255,962, 258,865, 364,524, and 384,940.

FOR COUNTER, WINDOW, STREET-CAR AND OTHER ADVERTISING AND DISPLAY CARDS AND SIGNS; CIRCULARS, BROADSIDES, AND OTHER TYPES OF ADVERTISING LITERATURE; THREE DIMENSIONAL PICTURES; BOOKS; CATALOGS; MENUS AND MENU SHEETS; TICKETS; CALLING CARDS; CALENDARS; COMMODITY LABELS; INSURANCE POLICIES; AND PRINTED DISPLAY EASELS AND WINDOW STRIPS.

Claims use since May 13, 1924.

Ser. No. 515,837. THE HEARST CORPORATION, New York, N. Y. Original filed, act of 1905, Jan. 16, 1947; amended to application under act of 1946, Principal Register, Nov. 13, 1948.

RIP KIRBY

The name "Rip Kirby" does not identify any particular living individual.

FOR NEWSPAPER CARTOON OR COMIC STRIP.

Claims use since Mar. 4, 1946.

Ser. No. 520,484. JOSEPH E. WEIDER, doing business as Your Physique Publishing Company, Montreal, Quebec, Canada. Original filed, act of 1920, Apr. 10, 1947; amended to application under act of 1946, Principal Register, Aug. 24, 1949. Under section 2f of the act of 1946.

Your Physique

FOR MAGAZINE PUBLISHED MONTHLY.

Claims use since January 1944.

Ser. No. 547,192. TIDE PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 15, 1948.

What's Your Advertising Quotient?

FOR SECTION OR DEPARTMENT OF A MAGAZINE OR A PUBLICATION.

Claims use since Dec. 19, 1947.

Ser. No. 547,377. THE UNITED LIGHT AND RAILWAYS SERVICE COMPANY, Chicago, Ill., and Davenport, Iowa. Filed Jan. 17, 1948.

Electrified FARMING

FOR MONTHLY MAGAZINE.

Claims use since October 1947.

Ser. No. 552,324. THE PROGRESSIVE FARMER COMPANY, Birmingham, Ala., and Wilmington, Del. Filed Dec. 6, 1947. Under section 2f of the act of 1946.

The Progressive Farmer
Southern Ruralist

The lining is for shading only. Applicant claims ownership of Registration No. 284,864.
FOR PERIODICAL AGRICULTURAL PUBLICATION.
Claims use since Sept. 1, 1930.

Ser. No. 555,220. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed Apr. 21, 1948. Under section 2f of the act of 1946.

FLYING

Applicant claims ownership of Registration No. 389,839.
FOR MAGAZINE.
Claims use since July 10, 1940, as to "Flying"; and since October 1947, as shown.

Ser. No. 556,912. THE PHILADELPHIA FORUM, INC., Philadelphia, Pa., assignor to The Philadelphia Inquirer Charities, Inc., Philadelphia, Pa., a non-profit corporation of Pennsylvania. Filed May 12, 1948. Under section 2f of the act of 1946.

THE PHILADELPHIA forum

FOR MONTHLY PUBLICATION.
Claims use since Mar. 1, 1921, as to "The Philadelphia Forum"; and since Mar. 15, 1946, in the style of lettering shown.

Ser. No. 559,752. WARNER PUBLICATIONS, INC., New York, N. Y. Filed June 19, 1948. Under section 2f of the act of 1946.

RANCH ROMANCES

Applicant claims ownership of Registration No. 214,280.
FOR FICTION MAGAZINE PUBLISHED AT REGULAR INTERVALS.
Claims use since November 1924.

Ser. No. 561,780. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed July 20, 1948.

Mary Mathews says:



The name "Mary Mathews" and the portrait shown in the mark are fanciful.
FOR PUBLICATION CONTAINING INFORMATIVE MATTER ISSUED QUARTERLY.
Claims use since Mar. 16, 1948.

Ser. No. 566,046. NATIONAL REPUBLIC PUBLISHING COMPANY, INC., Washington, D. C. Filed Sept. 28, 1948.

LETTERGRAM

FOR PERIODICAL PUBLICATIONS.
Claims use since December 1934.

Ser. No. 566,047. NATIONAL REPUBLIC PUBLISHING COMPANY, INC., Washington, D. C. Filed Sept. 28, 1948.

NRP

FOR PERIODICAL PUBLICATIONS.
Claims use since June 1, 1948.

Ser. No. 566,872. FUNDAMENTALS INCORPORATED, Orange, N. J. Filed Oct. 12, 1948.

Pianoranging

FOR BOOKS ON PIANO INSTRUCTION PUBLISHED IN A SERIES.
Claims use since Sept. 22, 1948.

Ser. No. 570,736. ROBERT BERNARD WOLIN, also known as Bob Wolin, New York, N. Y. Filed Dec. 17, 1948.

VIDEO VIC

FOR COMIC STRIPS PUBLISHED IN PERIODICALS SUCH AS MAGAZINES, NEWSPAPERS, AND SIMILAR PUBLICATIONS.
Claims use since Dec. 9, 1948.

Ser. No. 571,703. THE BERLITZ SCHOOLS OF LANGUAGES OF AMERICA, INC., New York, N. Y. Filed Jan. 6, 1949.



FOR PRINTED BOOKS, PAMPHLETS, AND CIRCULARS.
Claims use since Sept. 1, 1942.

CLASS 39
CLOTHING

Ser. No. 517,018. CYRELD SPILLER, doing business as Cyreld, Brookline, Mass. Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Principal Register, Oct. 22, 1947.

Cyreld

FOR LADIES' AND MISSES' HATS AND HAT TRIMMINGS, BATHING SUITS, PLAY SUITS, SPORT COATS, SKIRTS, SLACKS, SWEATERS, AND BATHROBES.
Claims use since Feb. 1, 1938.

Ser. No. 518,157. THE MACK SHIRT CORPORATION, Cincinnati, Ohio. Original filed, act of 1905, Feb. 26, 1947; amended to application under act of 1946, Principal Register, Mar. 12, 1948. Under section 2f of the act of 1946.

FLIGHTMASTER by MACK

FOR SHIRTS, INCLUDING SPORT SHIRTS AND AVIATION SHIRTS, AND JACKETS FOR MEN, BOYS, AND WOMEN.
Claims use since September 1940.

Ser. No. 522,404. HAGGAR COMPANY, Dallas, Tex. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Jan. 19, 1948. Under section 2f of the act of 1946.

HAGGAR
"A NAME THAT WEARS WELL"

Exclusive use of the words "A Name That Wears Well" is not claimed except as associated with the name "Haggar." Applicant claims ownership of Registration No. 322,303.
FOR MEN'S AND BOYS' WORK PANTS, DRESS PANTS, AND RIDING PANTS.
Claims use since Feb. 1, 1934.

Ser. No. 536,877. JULIUS DEUTCHMAN, doing business as "Billy-Dee of California," Los Angeles, Calif. Filed Oct. 6, 1947.

Billy-Dee OF CALIFORNIA

The name "Billy-Dee" is fanciful. The words "California" and "Of California" and the outline design representing the State of California are disclaimed apart from the mark as shown.
FOR WOMEN'S OUTER WEARING APPAREL—SPECIFICALLY, SLACKS, DRESSES, SKIRTS, AND JACKETS.
Claims use since Aug. 1, 1947.

Ser. No. 539,481. AUSTRALIAN KNITTING MILLS LIMITED (NEW COMPANY), Richmond, Victoria, Australia. Filed Oct. 30, 1947.

Kookaburra

Applicant claims ownership of Australian Registrations Nos. 15,979 and 15,980, dated Nov. 25, 1913.
FOR HOSIERY AND KNITTED WOOLEN AND WORSTED GARMENTS FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERWEAR, SWEATERS, AND COATS.

Ser. No. 542,411. S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 16, 1947.

Miss Jean

Applicant claims ownership of Registration No. 236,933.
FOR HOSIERY.
Claims use since July 5, 1927.

Ser. No. 542,447. DAMON CREATIONS, INC., New York, N. Y. Filed Nov. 26, 1947. Under section 2f of the act of 1946.

AN ORIGINAL BY DAMON



Applicant disclaims the right to the exclusive use of the words "An Original by" apart from the mark as shown.

FOR FOUR-IN-HAND NECKTIES, BOW TIES, KNITTED TIES, SCARFS, MUFFLERS, DRESS SHIRTS, SPORT SHIRTS, BASQUE SHIRTS, POLO SHIRTS, LOAFER COATS, SPORT JACKETS, SPORT TRUNKS, BATH ROBES, PAJAMAS, SPORT TROUSERS AND SLACK SUITS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Feb. 1, 1946.

Ser. No. 547,369. SOCIÉTÉ À RESPONSABILITÉ LIMITÉE DITE "DOMINIQUE" SPÉCIALITÉS POUR BABIES, FILLETTES, GARÇONNETS ET JEUNES FILLES, Paris, France. Filed Jan. 17, 1948.

dominique

SOCIETE A RESPONSABILTE LIMITEE DITE DOMINIQUE SPECIALTIES POUR BABIES, FILLETTES, GARCONNETS ET JEUNES FILLES

Applicant claims ownership of French Registration No. 379,522, dated July 31, 1947.

FOR GIRLS' AND WOMEN'S DRESSES, SKIRTS, BLOUSES.

Ser. No. 547,683. WILLIAM PICKLES & COMPANY LIMITED, Manchester, England. Filed Jan. 21, 1948.



FOR MEN'S AND BOYS' COATS, SUITS, JACKETS, VESTS, SLACKS, OUTER SHORTS, SWEATERS, SHIRTS, PYJAMAS, COMBINATIONS—NAMELY, ONE-PIECE UNDER GARMENTS COMBINING A VEST AND AND A PAIR OF PANTS, UNDERVESTS AND UNDERPANTS, AND WOMEN'S AND GIRLS' COATS, SUITS, SKIRTS, BLOUSES, DRESSES, FROCKS, SWEATERS, JUMPERS, NIGHTDRESSES, PYJAMAS, KNICKERS, CAMIKNICKERS, SLIPS, VESTS, AND WOMEN'S AND GIRLS' COMBINATIONS—NAMELY, ONE-PIECE GARMENTS COMBINING A VEST WITH A PAIR OF KNICKERS.

Claims use since Mar. 18, 1946, in Great Britain.

Ser. No. 553,483. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

DOWNEESOFT

FOR PAPER DIAPER LINERS.

Claims use since Dec. 26, 1939.

Ser. No. 553,860. EDGAR C. HYMAN CO., INC., New York, N. Y. Filed Apr. 5, 1948.

Echo

Applicant claims ownership of Registration No. 246,934.

FOR WOMEN'S SHAWLS AND SCARFS.

Claims use since Mar. 5, 1928.

Ser. No. 554,524. SONDRA UNDERGARMENTS CO., INC., New York, N. Y. Filed Apr. 13, 1948.

Applicant claims ownership of Registration No. 396,280.

FOR LADIES' UNDERWEAR—NAMELY, NIGHT-

Dreamies

GOWNS AND PAJAMAS.

Claims use since June 1, 1938.

Ser. No. 555,858. I. GROSSMAN & SON, New York, N. Y. Filed July 29, 1947. Under section 2f of the act of 1946.

HARRINGTON

Applicant claims ownership of Registration No. 389,334.

FOR LADIES' AND MISSES' COATS, SUITS, SKIRTS, JACKETS, CAPES, AND COAT AND SUIT ENSEMBLES.

Claims use since Feb. 1, 1940.

Ser. No. 556,103. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed May 8, 1948.

English Rib

The words "English Rib" are disclaimed apart from the mark as shown.

FOR HOSIERY.

Claims use since Mar. 15, 1948.

Ser. No. 558,099. BELTX CORPORATION, St. Louis, Mo. Filed May 29, 1948.

Ris-Gay

FOR LADIES' GARTERS.

Claims use since Apr. 21, 1948.

Ser. No. 559,005. COUNTESS MARA, INC., New York, N. Y. Filed June 11, 1948.



Applicant claims ownership of Registrations Nos. 370,030, 380,728, 409,287, 415,462, and 429,259.

FOR MEN'S CLOTHING—NAMELY, NECKTIES, LOUNGING ROBES, SMOKING JACKETS, MUFFLERS, PAJAMAS, AND HANDKERCHIEFS.

Claims use since Mar. 28, 1940.

Ser. No. 559,360. UPSONS LIMITED, London, England. Filed June 16, 1948.

DOLCIAN

Applicant claims ownership of British Registration No. 471,080, dated July 1, 1926, and U. S. Registration No. 423,012.

FOR BOOTS, SHOES, SANDALS, MOCCASINS, AND BATH SLIPPERS.

Ser. No. 559,494. PAM SHOE CO., Kirkwood, Mo. Filed June 17, 1948.



FOR INFANTS' AND CHILDREN'S SHOES.

Claims use since May 20, 1948.

Ser. No. 559,630. MARTIN BROTHERS COMPANY, Minneapolis, Minn. Filed June 18, 1948.

TWEENER

FOR OUTDOOR WEAR—NAMELY, COVERALLS OF MEDIUM WEIGHT FOR BOYS AND GIRLS OF THE AGES 2–8.

Claims use since Feb. 16, 1948.

Ser. No. 560,070. UPSONS LIMITED, London, England. Filed June 23, 1948.

DOLCIS

Applicant claims ownership of British Registration No. 471,079, dated July 1, 1926, and U. S. Registration No. 423,012.

FOR BOOTS, SHOES, SANDALS, MOCCASINS, AND BATH SLIPPERS.

Ser. No. 560,229. SALISBURY HOSIERY MILL, Salisbury, Md. Filed June 25, 1948.



Applicant disclaims the words "Nylon Hosiery" apart from the mark shown.

FOR HOSIERY.

Claims use since Mar. 17, 1948.

Ser. No. 560,846. FRANCIS K. PAYNE, doing business as New England Linen Importing Co., Northborough, Mass. Filed June 28, 1948.

FOR TATTING · FOR CROCHETING
NELICO
BRAND
Pure
IRISH LINEN
FOR SMART TAILORED USE

All the wording appearing in the mark, with the exception of the word "Nelico," is disclaimed.

FOR HANDKERCHIEFS MADE ENTIRELY OF IRISH LINEN.

Claims use since May 19, 1947.

Ser. No. 560,854. ALENE BRA, INC., New York, N. Y. Filed July 8, 1948.

PLAYTOP
BY
Alene

The word "Playtop" is disclaimed apart from the mark as shown.

FOR STRAPLESS BRASSIÈRE FOR OUTERGARMENT WEAR AS BEACHWEAR OR SPORTSWEAR.

Claims use since Feb. 4, 1948.

Ser. No. 562,162. DAN SNYDER & CO., INC., New York, N. Y. Filed July 24, 1948.

June'n January
KNOWS NO SEASON

The words "Knows No Season" are disclaimed apart from the mark as shown.

FOR MISSES', GIRLS', TEENS', JUNIORS' AND CHILDREN'S COATS, AND SUITS.

Claims use since May 11, 1948.

Ser. No. 562,392. THE NEW YORK MERCANTILE COMPANY, doing business as Westchester Hat Company, St. Louis, Mo. Filed July 28, 1948. Under section 2f of the act of 1946.



John Kollins

The representation of a hat is disclaimed apart from the mark as shown. The name "John Kollins" is fanciful. Applicant claims ownership of Registration No. 375,523.

FOR MEN'S HATS, SPORT JACKETS AND SPORT SHIRTS.

Claims use since May 15, 1938, for men's hats; and since Feb. 19, 1946, for sport jackets and sport shirts.

Ser. No. 562,770. DEMETRIO ALBANO, doing business as Alabama Sportswear Mfg. Co., Brooklyn and New York, N. Y. Filed Aug. 4, 1948.

Kozy Towne
by
ALA
BAMA

FOR INFANTS', CHILDREN'S, AND JUNIORS' PAJAMAS, OVERALLS, SUN SUITS, BLOUSES.

Claims use since May 12, 1948.

Ser. No. 563,736. THE GOTTFRIED COMPANY, Cleveland, Ohio. Filed Aug. 19, 1948.

Mynette

Applicant claims ownership of Registration No. 366,375.

FOR DRESSES.

Claims use since July 1, 1948.

Ser. No. 563,975. M. H. RAAB-MEYERHOFF CO., INC., Philadelphia, Pa. Filed Mar. 4, 1948. Under section 2f of the act of 1946.

UNI-PLY

Applicant claims ownership of Registration No. 330,953.

FOR NEGLIGEE SHIRTS AND COLLARS.

Claims use since Aug. 21, 1934.

Ser. No. 566,824. SIMON MILLINERY CO., San Francisco, Calif. Filed Aug. 24, 1948.

"Sculptured felts"

The word "Felts" is disclaimed. Applicant claims ownership of Registration No. 137,457.

FOR LADIES' HATS.

Claims use since June 16, 1948.

Ser. No. 568,916. GUNTHER & SHARFMAN INC., New York, N. Y. Filed Nov. 10, 1948.

LITTLE
MISS MUFFET

Applicant claims ownership of Registration No. 256,080.

FOR CHILDREN'S, JUNIORS', AND MISSES' KNITTED AND TEXTILE UNDERGARMENTS—NAMELY, BLOOMERS, UNION SUITS, NIGHTGOWNS, PAJAMAS, PRINCESS SLIPS.

Claims use since Jan. 1, 1928.

Ser. No. 569,533. THE PIONEER RUBBER COMPANY, Willard, Ohio. Filed Nov. 27, 1948.

ESKImitts

FOR RUBBERIZED FABRIC MITTENS.

Claims use since Sept. 29, 1948.

Ser. No. 569,885. C. D. OSBORN CO., Chicago, Ill. Filed Dec. 3, 1948. Under section 2f of the act of 1946.

Woolwear

Applicant claims ownership of Registration No. 411,500.

FOR MEN'S AND WOMEN'S GLOVES MADE WHOLLY OR IN SUBSTANTIAL PART OF WOOL.

Claims use since June 16, 1943.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 567,272. NEW MERCANTILE & NOTION CORP., New York, N. Y. Filed Oct. 20, 1948.



FOR BUCKLES OF A UTILITARIAN NATURE FOR CLOTHING, AS DISTINGUISHED FROM JEWELRY, CHILDREN'S SAFETY STRAP BUCKLES AND CHILDREN'S SAFETY STRAPS.

Claims use since Sept. 15, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 539,844. ALEXANDER WOOLEN CO., Chicago, Ill. Filed Nov. 1, 1947.

COMMANDER

FOR WOOLEN PIECE GOODS.

Claims use since March 1940.

Ser. No. 555,625. THE PANTASOTE COMPANY, Passaic, N. J. Filed Apr. 26, 1948.

TEXTASOTE

FOR VINYL PLASTIC COATED DUCK IN THE PIECE.

Claims use since Jan. 8, 1921.

Ser. No. 559,794. CROMPTON COMPANY, West Warwick, R. I. Filed June 2, 1948.

COMFY CORD

The word "Cord" is disclaimed apart from the mark as shown.

FOR CORDUROY FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, PROTEIN FIBERS, OR MIXTURES THEREOF.

Claims use since Dec. 11, 1947.

Ser. No. 576,927. THE NORCES COMPANY, New York, N. Y. Filed Apr. 11, 1949.

NORCES

FOR WASH MITTENS.

Claims use since Feb. 4, 1949.

Ser. No. 577,495. QUEEN VALLEY FABRICS, INC., Cumberland, R. I. Filed Apr. 21, 1949.

CERAMICOLOR

FOR GLASS FIBER MARQUISETTE HOUSEHOLD CURTAINS AND GLASS FIBER MARQUISETTE PIECE GOODS FROM WHICH SUCH CURTAINS ARE MADE.
Claims use since Jan. 28, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 555,804. J. EYNARD & CIE, Paris, France. Filed Apr. 29, 1948. Under section 2f of the act of 1946.

EYNARD

Applicant claims ownership of Registration No. 241,215.
FOR SURGICAL INSTRUMENTS MADE OF GUM AND INDIA RUBBER—NAMELY, SOUNDS OR CATHETERS AND SURGICAL DRAINS.
Claims use since Oct. 15, 1926.

Ser. No. 566,751. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Oct. 9, 1948.

CONSTELLATION

FOR ELECTRONIC HEARING AIDS.
Claims use since Sept. 9, 1948.

Ser. No. 567,400. HANOVIA CHEMICAL AND MANUFACTURING COMPANY, Newark, N. J. Filed Oct. 21, 1948.

Tannette

FOR ULTRAVIOLET LAMPS.
Claims use since Oct. 17, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 542,777. T. D. MOODY, doing business as Orange City Mineral Spring Company, Orange City, Fla. Filed Nov. 29, 1947. Under section 2f of the act of 1946.

Orange City Water

The word "Water" is disclaimed.
FOR BOTTLED MINERAL WATER.
Claims use since Aug. 1, 1919.

Ser. No. 566,973. COFFEE CONCENTRATE CORPORATION, Miami, Fla. Filed Oct. 14, 1948.

OFFY

Applicant claims ownership of Registration No. 339,469.
FOR CARBONATED NON-ALCOHOLIC BEVERAGE SOLD AS A MALTLESS SOFT DRINK AND A SYRUP FOR MAKING THE SAME.
Claims use since Apr. 10, 1948.

Ser. No. 570,948. THE CLOVERDALE SPRING COMPANY, also known as Cloverdale Spring Company, Baltimore, Md. Filed Dec. 22, 1948.

Cloverdale

Applicant claims ownership of Registrations Nos. 120,016, 302,878, 311,194, and 425,202.
FOR MALTLESS SOFT DRINKS AND CARBONATED WATERS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING SOFT DRINKS.
Claims use since July 1, 1897.

Ser. No. 571,325. GIROUX COMPANY, INC., New York, N. Y. Filed Dec. 30, 1948. Under section 2f of the act of 1946.

GIROUX

Applicant claims ownership of Registrations Nos. 186,207 and 282,588.
FOR RASPBERRY FLAVOR FRUIT SYRUP USED IN THE PREPARATION OF NON-ALCOHOLIC MALTLESS SOFT DRINKS.
Claims use since Nov. 15, 1926.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 477,424. R. R. MACK, doing business as Walter M. Field & Co., San Francisco, Calif. Original filed, act of 1905, Dec. 11, 1944; amended to application, under act of 1946, Principal Register, Jan. 3, 1948. Under section 2f of the act of 1946.

HANDY

FOR CANNED VEGETABLES AND CANNED FISH.
Claims use since 1922.

Ser. No. 503,739. NORRIS INC., Atlanta, Ga. Original filed, act of 1905, June 12, 1946; amended to application under act of 1946, Principal Register, Oct. 28, 1948. Under section 2f of the act of 1946.

NORRIS

The lining on the drawing is for shading only. Applicant claims ownership of Registrations Nos. 188,842, 386,998, and 392,790.
FOR CHOCOLATES, BONBONS, AND CANDIES.
Claims use since July 13, 1910.

Ser. No. 528,417. ARMOUR AND COMPANY, Chicago, Ill. Filed July 12, 1947.

LA STELLA

FOR ITALIAN TYPE HAM.
Claims use since 1917.

Ser. No. 536,257. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 30, 1947.

50-50

FOR FROZEN CONFECTIONS.
Claims use since Mar. 21, 1941.

Ser. No. 537,843. THE TORBITT & CASTLEMAN COMPANY, Louisville, Ky. Filed Oct. 14, 1947.

TIGER BOY



FOR TABLE SYRUPS—NAMELY, CRYSTAL WHITE SYRUP, GOLDEN SYRUP, AND WAFFLE SYRUP.
Claims use since 1900.

Ser. No. 537,844. THE TORBITT & CASTLEMAN COMPANY, Louisville, Ky. Filed Oct. 14, 1947.

TIGER BOY

FOR TABLE SYRUPS—NAMELY, CRYSTAL WHITE SYRUP, GOLDEN SYRUP, AND WAFFLE SYRUP.
Claims use since 1900.

Ser. No. 538,231. BELL BUOY CRAB HOUSE, Seaside, Oreg. Filed Oct. 18, 1947.

BELL BUOY

FOR CANNED FISH AND CANNED SHELLFISH.
Claims use since 1907.

Ser. No. 541,411. GOLDEN STATE COMPANY, LTD., San Francisco, Calif. Filed Nov. 17, 1947.



FOR MILK AND MILK PRODUCTS; FLUID MILK; BUTTERMILK; A BEVERAGE COMPRISING HALF MILK AND HALF CREAM; TABLE CREAM; SOUR CREAM; CHOCOLATE-FLAVORED MILK; AMERICAN PROCESSED CHEESE; SHERBET.
Claims use since Feb. 1, 1947.

Ser. No. 543,598. JOHN WORTHINGTON GREENE, Medford, Oreg. Filed Dec. 6, 1947.

JWG

The drawing is stippled to indicate shading.
FOR FRESH PEARS.
Claims use since Aug. 27, 1947.

Ser. No. 551,103. INGERSOLL PRODUCTS CORPORATION, Winchester, Mass. Filed Mar. 3, 1948.

INGERSOLL'S

The drawing is lined for yellow.
FOR CANNED COOKED CHICKEN PREPARATIONS—NAMELY, WHOLE CHICKENS, HALF CHICKENS, PIECES OF CHICKEN, PIECES OF CHICKEN MEAT, CHICKEN FRICASSEE, CHICKEN FRICASSEE WITH MUSHROOMS, AND SANDWICH SPREAD.
Claims use since March 1938.

Ser. No. 553,004. NATURAL SUGARS, INC., New York, N. Y. Filed Mar. 25, 1948.

HAPPY JACK

FOR PANCAKE SYRUP.
Claims use since 1938.

Ser. No. 553,155. CHARLES WEST, Los Angeles, Calif. Filed Mar. 26, 1948.

Creme-O-Lene

The word "Creme" is disclaimed.
FOR FOOD FLAVORING EXTRACT.
Claims use since 1926.

Ser. No. 554,257. PRUDENCE FOODS, INC., Boston, Mass. Filed Apr. 9, 1948.

PRUDENCE

Applicant claims ownership of Registrations Nos. 159,284 and 273,635.
FOR CORNED BEEF HASH AND ROAST BEEF HASH.
Claims use since Apr. 9, 1920.

Ser. No. 556,072. BLUE LAKE PACKERS, INC., West Salem, Oreg. Filed May 3, 1948. Under section 2f of the act of 1946.

GRAND ISLAND

Applicant claims ownership of Registration No. 423,387.
FOR CANNED VEGETABLES.
Claims use since Oct. 5, 1941.

Ser. No. 561,332. OCEANIC SALES CO., Seattle, Wash. Filed July 14, 1948.

HYPATIA

Applicant claims ownership of Registration No. 94,677.
FOR CANNED SALMON.
Claims use since July 1900.

Ser. No. 563,359. PETER PAUL, INC., Naugatuck, Conn. Filed Aug. 13, 1948.

PETER PAUL'S

The name "Peter Paul" is not the name of a particular living individual. Applicant claims ownership of Registration No. 191,887.
FOR CHEWING GUM AND CANDY.
Claims use since May 1, 1920, on candy; and since Jan. 24, 1944, on chewing gum.

Ser. No. 566,827. JOSEPH F. GREUBEL, doing business as Valley Dairy Stores, Latrobe, Pa. Filed Sept. 10, 1948. The words "Ice Cream" are disclaimed.



ICE CREAM JOE

FOR ICE CREAM.
Claims use since May 7, 1947.

Ser. No. 566,911. ADAMS PACKING ASSOCIATION, INC., Auburndale, Fla. Filed Oct. 13, 1948.

ARIANA

Applicant claims ownership of Registration No. 192,527.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1923.

Ser. No. 567,452. DELICIA CHOCOLATE & CANDY MFG. CO. INC., New York, N. Y. Filed Oct. 22, 1948.

ORION

FOR FILLED SUGAR WAFERS.
Claims use since Oct. 11, 1948.

Ser. No. 571,430. HIGH SEAS TUNA PACKING COMPANY, INC., Point Loma, San Diego, Calif. Filed Dec. 31, 1948. Under section 2f of the act of 1946.

Oceanside

Applicant claims ownership of Registration No. 361,910.
FOR CANNED TUNA.
Claims use since September 1935.

CLASS 47

WINES

Ser. No. 555,940. GIMBEL BROTHERS, INC., New York, N. Y. Filed Apr. 30, 1948.

VINCI

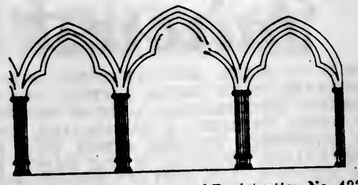
FOR WINES.
Claims use since Apr. 1, 1948.

Ser. No. 565,138. RIVERBANK WINE COMPANY, Brooklyn, N. Y. Filed Sept. 14, 1948.

MONESALO

FOR WINES.
Claims use since Mar. 6, 1936.

Ser. No. 568,353. DE LA SALLE INSTITUTE, doing business as Mont la Salle Vineyards, Napa, Calif. Filed Nov. 8, 1948.



Applicant claims ownership of Registration No. 422,998.
FOR WINES.
Claims use since Sept. 29, 1938.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 560,534. N. V. BROUWERIJ D'ORANJEBOOM, Rotterdam, Holland. Filed July 1, 1948.



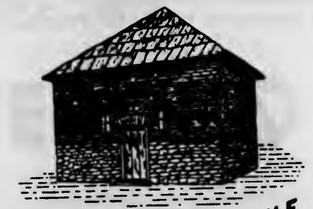
All wording with the exception of "The Flying Dutchman" and "since 1671" is disclaimed. Applicant claims ownership of Dutch Registration No. 92,474, May 27, 1948.
FOR BEER.

Ser. No. 560,537. N. V. BROUWERIJ D'ORANJEBOOM, Rotterdam, Holland. Filed July 1, 1948.

ORANJEBOOM

The English translation of the Dutch word "Oranjeboom" is "Orange Tree." Applicant claims ownership of Dutch Registration No. 88,749 dated June 6, 1947.
FOR BEER.

Ser. No. 569,610. DUQUESNE BREWING COMPANY OF PITTSBURGH, Pittsburgh, Pa. Filed Nov. 30, 1948.



FOR BEER.
Claims use since 1900.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 536,368. THE FAIR, Chicago, Ill. Filed Oct. 1, 1947.

Faircrest

FOR HAND CREAM, SKIN CLEANSERS, SKIN REFRESHENERS, BATH SALTS, ASPIRIN, CASCARA, GLYCERINE SUPPOSITORIES, MILK OF MAGNESIA, ZINC OXIDE, CITRATES & CARBONATES, EPSOM SALT, MEDICINAL FULLERS EARTH, HAIR DYE, SENNA LEAVES, SULPHUR, WITCH HAZEL, RUBBING ALCOHOL, MOUTHWASH, DISINFECTANTS, SHAMPOOS, IODINE, OIL OF WINTERGREEN, SPIRITS OF CAMPHOR, COD LIVER OIL, LAXATIVES, SPIRITS OF AMMONIA, CAMPHORATED OIL, CASTOR OIL, DOBELLS SOLUTION, PEPPERMINT OIL, COUGH SYRUP, NASAL OIL, GLYCERINE, AFTER SHAVING LOTIONS, BAY RUM, WATER SOFTENERS, PEROXIDE, SHAVING CREAMS, TOOTHPASTES, ANTISEPTICS.
Claims use since Dec. 31, 1939.

Ser. No. 554,729. SOCIETA PER AZIONI PROFUMI EMEF, Rome, Italy. Filed Apr. 15, 1948.

emef

The mark comprises the letters "emef" as handwritten in lower case script.

FOR PERFUMES, TOILET WATERS, BATH SALTS, FACE POWDERS, TALCUM POWDERS, COSMETIC CREAMS, LIPSTICKS, AND SACHET POWDERS.

Claims use since 1937.

Ser. No. 556,459. GASTON LUCCHESE, doing business as Rexvis Products Co., Chicago, Ill. Filed May 7, 1948.

Duo-Vis

FOR HAIR DRESSING.

Claims use since Dec. 1, 1947.

Ser. No. 557,771. PERFUMERIA GAL, S. A., Madrid, Spain. Filed May 25, 1948.

MARISOL

Applicant claims ownership of Spanish Registration No. 73,501, dated Apr. 15, 1930.

FOR TOILET SOAP IN BAR FORM AND SHAVING SOAPS IN CREAM AND POWDER FORM.

Ser. No. 567,109. MEYER LEONARD AXELROD, doing business under the name Cleanser Materials Co., Miami, Fla. Filed Aug. 23, 1948.

KLEEN-DENT

The word "Kleen" is disclaimed apart from the mark as shown.

FOR A CLEANSING SOLUTION FOR DENTAL PLATES AND REMOVABLE BRIDGEWORK.

Claims use since Sept. 15, 1947.

Ser. No. 587,205. POND'S EXTRACT COMPANY, New York, N. Y. Filed Nov. 2, 1949.

POND'S

Applicant claims ownership of Registrations Nos. 215,081, 260,316, 323,881, 354,558, 400,349, 415,955, 435,562, and 508,610.

FOR TOILET, AND COSMETIC PRODUCTS — NAMELY, EXTRACT OF HAMAMELIS OR WITCH HAZEL, COLD CREAM, VANISHING CREAM, LIQUEFYING CREAM, DRY SKIN CREAM, HAND CREAM, SKIN FRESHENER, FACE POWDER, COMBINED FOUNDATION AND FACE POWDER, DUSTING POWDER, TALCUM POWDER, LIPSTICKS, ROUGE, AND PREPARATION TO BE APPLIED TO THE FACE TO FORM A MAKE-UP BASE OR FOUNDATION.

Claims use since 1846.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 536,368. THE FAIR, Chicago, Ill. Filed Oct. 1, 1947.

Faircrest

FOR HAND CREAM, SKIN CLEANSERS, SKIN REFRESHENERS, BATH SALTS, ASPIRIN, CASCARA, GLYCERINE SUPPOSITORIES, MILK OF MAGNESIA, ZINC OXIDE, CITRATES & CARBONATES, EPSOM SALT, MEDICINAL FULLERS EARTH, HAIR DYE, SENNA LEAVES, SULPHUR, WITCH HAZEL, RUBBING ALCOHOL, MOUTHWASH, DISINFECTANTS, SHAMPOOS, IODINE, OIL OF WINTERGREEN, SPIRITS OF CAMPHOR, COD LIVER OIL, LAXATIVES, SPIRITS OF AMMONIA, CAMPHORATED OIL, CASTOR OIL, DOBELLS SOLUTION, PEPPERMINT OIL, COUGH SYRUP, NASAL OIL, GLYCERINE, AFTER SHAVING LOTIONS, BAY RUM, WATER SOFTENERS, PEROXIDE, SHAVING CREAMS, TOOTHPASTES, ANTISEPTICS.

Claims use since Dec. 31, 1939.

Ser. No. 539,157. HARF INC., Hilltown, Pa. Filed Oct. 27, 1947.

HARF

DELITE

Applicant claims ownership of Registration No. 503,259.

FOR SHAMPOO FOR HAIR.

Claims use since Sept. 15, 1939.

Ser. No. 549,011. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 6, 1948.

MASTER MIXED

The word "Mixed" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 367,863, 379,997, 382,204, and 383,751.

FOR PAINT AND VARNISH CLEANER, FLOOR CLEANER, ALL PURPOSE CLEANER, GLASS CLEANER.

Claims use since July 15, 1940, for paint and varnish cleaner; and since July 15, 1946, for floor cleaner, all purpose cleaner, glass cleaner.

Ser. No. 561,897. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948.

HW SOAKER ALKALI

The terms "Soaker" and "Alkali" are disclaimed.

FOR INORGANIC DETERGENT HAVING WATER SOFTENING PROPERTIES FOR GENERAL WASHING PURPOSES, ESPECIALLY FOR BOTTLE WASHING.

Claims use since July 1, 1947.

Ser. No. 568,276. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed Nov. 5, 1948.

SKIP-STAIN

The word "Stain" is disclaimed.

FOR LIQUID PREPARATION FOR REMOVING STAINS FROM FABRICS AND TEXTILE MATERIALS CAUSED BY ANIMALS.

Claims use since Sept. 20, 1948.

Ser. No. 569,453. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed Nov. 26, 1948.

Subath

FOR SUDSING CLEANER, CLEANSER AND DETERGENT.

Claims use since Oct. 25, 1948.

Ser. No. 571,493. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Dec. 30, 1948.

TESORO

Applicant claims ownership of Registration No. 93,185.

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since Mar. 5, 1913.

Ser. No. 571,829. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed Jan. 7, 1949.

RSR

Applicant claims ownership of Registration No. 345,665.

FOR ENZYMATIC PRODUCTS FOR USE AS CLEANING COMPOUNDS AND FOR THE REMOVAL OF PROTEINS AND STARCH FROM TEXTILE AND OTHER MATERIALS.

Claims use since July 1936.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 532,980. Retail Credit Company, Atlanta, Ga. Filed Aug. 14, 1947.



All wording appearing on the drawing is disclaimed apart from the mark shown. Applicant claims ownership of Registrations Nos. 335,896 and 336,693.

FOR CONDUCTING INVESTIGATIONS AND REPORTING ON INDIVIDUALS AND FIRMS CONCERNING THE CREDIT, CHARACTER, AND FINANCES IN CONNECTION WITH INSURANCES, CREDIT, EMPLOYMENT, AND CLAIMS.

Claims use since 1899.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 529,741. Bank of America National Trust and Savings Association, San Francisco, Calif. Filed July 28, 1947. Under section 2f of the act of 1946.



The words "National Trust and Savings Association" are disclaimed.

FOR COMMERCIAL SAVINGS AND TRUST DEPARTMENT BANKING SERVICES.

Claims use since Nov. 3, 1930.

Ser. No. 543,764. Wisconsin Church Mutual Fire Insurance Company, Merrill, Wis. Filed Dec. 8, 1947.

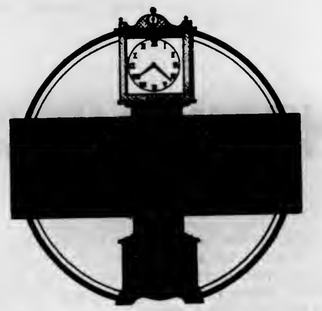


No claim is made to any of the writing or to "Est. 1897" apart from the mark.

FOR UNDERWRITING OF FIRE INSURANCE.

Claims use Feb. 1, 1946.

Ser. No. 565,587. The First National Bank and Trust Company of Bridgeport, Bridgeport, Conn. Filed Sept. 21, 1948.



The drawing is lined for shading purposes only.

FOR BANK LOANS AND CREDIT FINANCING.

Claims use since Mar. 29, 1945.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 528,760. Bornot, Inc., Philadelphia, Pa. Filed July 17, 1947. Under section 2f of the act of 1946.

FOOTER'S

FOR CLEANING, DYEING, PRESSING, AND STORING GARMENTS AND HOUSEHOLD GOODS.

Claims use since Jan. 1, 1942.

Ser. No. 554,659. Foster Pen Shop, New York, N. Y. Filed Apr. 15, 1948.

FOSTERIZED

FOR PEN REPAIR SERVICE.

Claims use since Jan. 15, 1948.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 528,760. Bornot, Inc., Philadelphia, Pa. Filed July 17, 1947. Under section 2f of the act of 1946. (Classified in Class 103.)

FOOTER'S

FOR CLEANING, DYEING, PRESSING, AND STORING GARMENTS AND HOUSEHOLD GOODS.

Claims use since Jan. 1, 1942.

Ser. No. 559,868. Union Pacific Railroad Company, Omaha, Nebr. Filed June 21, 1948. Under section 2f of the act of 1946.

THE *Strategic* MIDDLE ROUTE

FOR RAILROAD TRANSPORTATION OF PASSENGERS AND GOODS.

Claims use since Feb. 11, 1939.

CLASS 106

MATERIAL TREATMENT

Ser. No. 528,760. Bornot, Inc., Philadelphia, Pa. Filed July 17, 1947. Under section 2f of the act of 1946. (Classified in Class 103.)

FOOTER'S

FOR CLEANING, DYEING, PRESSING, AND STORING GARMENTS AND HOUSEHOLD GOODS.

Claims use since Jan. 1, 1942.

Ser. No. 539,556. The Patent Button Co., Waterbury, Conn. Filed Oct. 30, 1947.

MIRA-SPUN

FOR DECORATIVE METAL FINISHING—NAMELY, THE APPLICATION OF DECORATION TO SUCH ARTICLES MANUFACTURED BY OTHERS AS FLASH LIGHTS, LIPSTICK HOLDERS, BOTTLE CAPS, PEN AND PENCIL BARRELS AND CAPS, ROUGE BOXES, POWDER BOX COVERS AND CONTAINERS, BY ROTATING THE GOODS AGAINST AN ABRASIVE SCRATCHING MACHINE.

Claims use since Sept. 18, 1947.

Ser. No. 554,633. The United States Finishing Company, Norwich, Conn. Filed Apr. 14, 1948.

USF

Applicant claims ownership of Registration No. 433,569.

FOR FINISHING OF TEXTILE FABRICS—NAMELY, IMPARTING DRAPERY FINISHES, CALENDERED FINISHES, GLAZED AND PLAIN FINISHES, CREASE-RESISTANT AND WATER REPELLANT FINISHES, DYEING, PRINTING, WHITE FINISHING, AND MERCERIZING.

Claims use since Apr. 18, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,659. NONALCOHOLIC, MALTLESS, SOFT DRINK. HENRY LOTTI, doing business as Liberty Bottling Company, Memphis, Tenn.
Filed May 12, 1944, Serial No. 470,204. Published Oct. 4, 1949. Class 45.

443,660. RELIEF VALVE SPRING BARRELS, STRAINER BASKETS, VALVE BODIES, ETC. ENTERPRISE ENGINE & FOUNDRY CO., San Francisco, Calif.
Filed Apr. 28, 1945, Serial No. 482,737. Published Sept. 20, 1949. Class 13.

443,661. HYDROGENATION CATALYSTS FOR HYDROGENATION OF EDIBLE OILS. E. F. DREW & Co., INC., New York, N. Y.
Filed Oct. 30, 1945, Serial No. 490,750. Published June 11, 1946. Class 6.

443,662. TABLE CUTLERY AND FLATWARE — NAMELY, KNIVES, FORKS, SPOONS, GRAVY LADLES, BUTTER SPREADERS, SUGAR SHELLS, AND SERVING SPOONS; CUTLERY—NAMELY, BUTCHER KNIVES, PARING KNIVES, SLICING KNIVES FOR SLICING MEATS AND VEGETABLES, AND KNIVES OF GENERAL UTILITY; ETC. MILTON BAKER, doing business as Regal Specialty Mfg. Co., New Haven, Conn.
Filed Mar. 18, 1946, Serial No. 498,385. Published Aug. 12, 1947. Class 23.

443,663. FACE POWDER. POND'S EXTRACT COMPANY, New York, N. Y., and elsewhere.
Filed May 10, 1946, Serial No. 501,869. Published Nov. 18, 1947. Class 51.

443,664. EDUCATIONAL GAMES OF PLAYING CARDS. ED-U-CARDS, INC., New York, N. Y.
Filed May 22, 1946, Serial No. 502,566. Published Sept. 13, 1949. Class 22.

443,665. INSECTICIDES AND INSECT SPRAYS OF THE RESIDUAL AND CONTACT TYPES. DORSETT-JONES, INC., Baltimore, Md.
Filed June 14, 1946, Serial No. 503,886. Published Aug. 16, 1949. Class 6.

443,666. POWDER FOR THE TOILETTE AND LIPSTICKS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed July 30, 1946, Serial No. 506,501. Published June 10, 1947. Class 51.

443,667. BRASS AND COPPER HOLLOW WARE, SOLD AS GIFTS, ETC. HOLLI-WARE COMPANY, Chicago, Ill.
Filed Sept. 24, 1946, Serial No. 509,657. Published Oct. 4, 1949. Class 13.

443,668. HIGH TEMPERATURE ALLOYS AS WROUGHT PRECIPITATION HARDENED HEAT RESISTANT STEEL. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed Feb. 21, 1947, Serial No. 517,941. Published Sept. 6, 1949. Class 14.

443,669. ROLLER SKATES, THREE- AND FOUR-WHEELED VELOCIPEDES, SWINGS, ROUNDABOUTS, WHEEL-SUPPORTED HOBBY HORSES, AND SIMILAR ANIMAL TOYS. D. SEBEL & COMPANY LIMITED, London, England.
Filed Mar. 10, 1947, Serial No. 518,783. Published Sept. 20, 1949. Class 22.

443,670. FISHING NETS. GUY RAYMOND OATHOUT, doing business as Ace Mfg. Company, Fort Atkinson, Wis.
Filed Mar. 24, 1947, Serial No. 519,488. Published Sept. 20, 1949. Class 22.

443,671. PERFUMED BATH CAPSULES. BEARDMORE PRODUCTS, INCORPORATED, East Rutherford, N. J.
Filed Apr. 3, 1947, Serial No. 520,087. Published Aug. 16, 1949. Class 51.

443,672. DOLLS. INTERNATIONAL DOLL CO., INC., Philadelphia, Pa.
Filed Apr. 29, 1947, Serial No. 521,521. Published Sept. 13, 1949. Class 22.

443,673. LEADED ZINC, ZINC OXIDE LITHOPONE, LITHARGE, RED LEAD, WHITE LEAD SILICATES, SYNTHETIC RESINS, ETC. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947, Serial No. 524,728. Published Sept. 27, 1949. Class 1.

ACT OF 1920

These registrations are not subject to opposition.

443,674. (CLASS 39. CLOTHING.) ROSEDALE KNITTING COMPANY, Reading, Pa. Filed Oct. 29, 1945, Serial No. 490,702.

Rosedale

FOR HOSIERY.
Claims use since May 1919.

443,675. (CLASS 39. CLOTHING.) FRANCINE LEE FROCKS, INC., New York, N. Y. Filed Nov. 3, 1945, Serial No. 491,003.

A Francine Lee CASUAL

FOR DRESSES.
Claims use since June 14, 1945.

443,676. (CLASS 6. CHEMICALS AND CHEMICAL COMPOSITIONS.) CHARLES V. SPARHAWK, doing business as Sparhawk Company, Sparkill, N. Y. Filed Aug. 19, 1946, Serial No. 507,663.

CED-R-WOOD

FOR PEST REPELLENT COMPOSITIONS.
Claims use since Jan. 1, 1920.

ACT OF 1946, PRINCIPAL REGISTER

519,550. WATCH BRACELETS, BANDS, LAPEL ORNAMENTS, PIN ORNAMENTS, RINGS SERVING AS MOUNTINGS FOR WATCHES AND WATCH CASINGS, NOT INCLUDING WATCHES. TOURNEAU, INC., New York, N. Y., assignee of Tourneau.
Original filed, act of 1905, Jan. 12, 1945; amended to application under act of 1946, Principal Register. Oct. 18, 1947, Serial No. 478,561. Published Oct. 18, 1949. Class 28.

519,551. SONIC DEPTH INDICATORS AND RECORDERS. BENDIX AVIATION CORPORATION, Detroit, Mich.
Original filed, act of 1905, May 4, 1945; amended to application under act of 1946, Principal Register, Sept. 30, 1947, Serial No. 482,970. Published Sept. 13, 1949. Class 26.

519,552. TRANSPARENT LEGEND SHEETS FOR USE IN APPLYING LEGENDS TO A SURFACE ON WHICH THE LEGENDS ARE TO BE ETCHED OR OTHERWISE REPRODUCED. AMERICAN TYPESETTING CORPORATION, Chicago, Ill.
Original filed, act of 1905, Feb. 25, 1946; amended to application under act of 1946, Principal Register, June 3, 1948, Serial No. 497,157. Published Sept. 13, 1949. Class 26.

519,553. INFLATED BALLOONS USED AS PLAYBALLS. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Original filed, act of 1905, Apr. 30, 1946; amended to application under act of 1946, Principal Register, Oct. 2, 1947, Serial No. 501,172. Published Sept. 20, 1949. Class 22.

519,554. TOBACCO POUCHES, CIGAR, CIGARETTE, AND PIPE CASES, AND LEATHER-COVERED HUMIDORS IN THE NATURE OF A HUMIDIFIER FOR TOBACCO PRODUCTS. ROGERS IMPORTS, INC., New York, N. Y.
Original filed, act of 1905, May 24, 1946; amended to application under act of 1946, Principal Register, Dec. 29, 1947, Serial No. 502,719. Published Sept. 27, 1949. Class 8.

519,555. PHOTOGRAPHIC EQUIPMENT — NAMELY, PHOTOFLASH APPARATUS AND TRIPODS. STROBO RESEARCH, Milwaukee, Wis.
Original filed, act of 1905, June 5, 1946; amended to application under act of 1946, Principal Register, June 25, 1948, Serial No. 503,333. Published Sept. 13, 1949. Class 26.

519,556. PERFUMES, TOILET WATERS, ROUGES, AND LIPSTICKS. PARFUMERIE & SAVONNERIE GILOT, SOCIETE ANONYME, Paris, France.
Original filed, act of 1905, Aug. 29, 1946; amended to application under act of 1946, Principal Register, Oct. 1, 1947, Serial No. 508,238. Published Sept. 6, 1949. Class 51.

519,557. FABRIC TREATED WITH NON-SLIPPING MATERIAL FOR USE IN PREVENTING SLIPPING OF RUGS. COLUMBIAN ROPE COMPANY, Auburn, N. Y.
Original filed, act of 1905, Oct. 10, 1946; amended to application under act of 1946, Principal Register, Dec. 31, 1947, Serial No. 510,571. Published Sept. 6, 1949. Class 50.

519,558. AUTOMATIC UNLOADERS FOR USE IN CONJUNCTION WITH CONVEYER BELTS FOR UNLOADING MEASURED QUANTITIES OF GRANULAR MATERIAL THEREFROM. JULES T. PARISI, doing business as Pekay Machine Co., Chicago, Ill.
Original filed, act of 1905, Oct. 28, 1946; amended to application under act of 1946, Principal Register, July 19, 1947, Serial No. 511,636. Published Sept. 13, 1949. Class 26.

519,559. ADJUSTABLE SUPPORTS FOR RAISING OR SUPPORTING SAGGING FLOORS. THE AKRON PRODUCTS COMPANY, Akron, Ohio.
Original filed, act of 1905, Nov. 13, 1946; amended to application under act of 1946, Principal Register, Mar. 27, 1948, Serial No. 512,476. Published Sept. 27, 1949. Class 12.

519,560. ELECTRICALLY OPERATED LATHE FOR RECONDITIONING BOWLING PINS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Original filed, act of 1905, Nov. 30, 1946; amended to application under act of 1946, Principal Register, Apr. 21, 1948, Serial No. 513,491. Published Sept. 13, 1949. Class 23.

519,561. CORK, SYNTHETIC RUBBER, AND CORK AND SYNTHETIC RUBBER ROLL COVERS FOR TEXTILE MILL USAGE. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa.
Original filed, act of 1905, Feb. 11, 1947; amended to application under act of 1946, Principal Register, July 10, 1947, Serial No. 517,284. Published Sept. 13, 1949. Class 23.

519,562. PRESSURE SENSITIVE TAPE. MARK B. ANDREWS, doing business as The Mark Andrews Company, Kirkwood, Mo.
Original filed, act of 1905, Mar. 11, 1947; amended to application under act of 1946, Principal Register, Nov. 19, 1947, Serial No. 518,810. Published Sept. 13, 1949. Class 5.

519,563. NUTRIENT MEDIAN FOR MOLD GROWTH SUCH AS THOSE ORGANISMS WHICH ARE USED TO PRODUCE ANTIBIOTICS AS PENICILLIN AND STREPTOMYCIN. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Original filed, act of 1905, Mar. 29, 1947; amended to application under act of 1946, Principal Register, Mar. 22, 1949, Serial No. 519,838. Published Sept. 6, 1949. Class 6.

519,564. MEN'S SHAVING AND TOILET SETS CONTAINING SOAP, HAND LOTIONS, AND CREAM, STIPTIC PENCILS, RAZOR BLADES, AND RAZORS, AFTER SHAVING LOTIONS, TALCUM POWDER, AND SHAVING CREAM. NEW YORK MERCHANDISE COMPANY, INC., New York, N. Y.
Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Principal Register, July 28, 1948, Serial No. 520,175. Published Sept. 13, 1949. Class 50.

519,565. CHILDREN'S DRESSES. JACK TOBIN, INC., Philadelphia, Pa.
Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Oct. 17, 1947, Serial No. 522,271. Published May 25, 1948. Class 39.

519,566. POKER CHIPS AND CHESS GAMES. GITS MOLDING CORPORATION, Chicago, Ill.
Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, Mar. 26, 1948, Serial No. 522,627. Published Sept. 20, 1949. Class 22.

519,567. POKER CHIPS AND CHESS GAMES. GITS MOLDING CORPORATION, Chicago, Ill.
Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, Mar. 26, 1948, Serial No. 522,628. Published Sept. 20, 1949. Class 22.

519,568. POKER CHIPS AND CHESS GAMES. GITS MOLDING CORPORATION, Chicago, Ill.
Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, Mar. 26, 1948, Serial No. 522,634. Published Sept. 20, 1949. Class 22.

519,569. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.
Original filed, act of 1905, June 11, 1947; amended to application under act of 1946, Principal Register, Feb. 18, 1948, Serial No. 523,983. Published Mar. 29, 1949. Class 28.

519,570. WOODEN DOORS. RODDIS LUMBER AND VENEER CO., Marshfield, Wis., now by change of name Roddis Plywood Corporation, a corporation of Wisconsin.
Original filed, act of 1905, June 11, 1947; amended to application under act of 1946, Principal Register, Mar. 16, 1948, Serial No. 524,018. Published Sept. 6, 1949. Class 12.

519,571. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,433. Published Oct. 4, 1949. Class 17.

519,572. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,451. Published Oct. 4, 1949. Class 17.

519,573. PAPER AND CREPED CELLULOSE WADDING, BOTH IMPREGNATED WITH RESIN FOR CONVERSION INTO VARIOUS ARTICLES OF MANUFACTURE REQUIRING A RESIN IMPREGNATED FIBER AS A COMPONENT. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed July 5, 1947, Serial No. 526,513. Published Sept. 27, 1949. Class 1.

519,574. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947, Serial No. 527,055. Published Sept. 20, 1949. Class 22.

519,575. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947, Serial No. 527,058. Published Sept. 20, 1949. Class 22.

519,576. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947, Serial No. 527,061. Published Sept. 20, 1949. Class 22.

519,577. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947, Serial No. 527,074. Published Sept. 20, 1949. Class 22.

519,578. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947, Serial No. 527,080. Published Sept. 20, 1949. Class 22.

519,579. TEMPERATURE AND PRESSURE RELIEF VALVES. SPENCER THERMOSTAT COMPANY, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts.
Filed July 5, 1947, Serial No. 527,474. Published Mar. 1, 1949. Class 13.

519,580. ROTARY PUMPS, COMPRESSORS, HAND HOISTS, CRANES, HAND TROLLEYS. ROBBINS & MEYERS, INC., Springfield, Ohio.
Filed July 5, 1947, Serial No. 527,565. Published Sept. 20, 1949. Class 23.

519,581. FRANGIBLE TARGETS. OLIN INDUSTRIES, INC., East Alton, Ill.
Filed July 5, 1947, Serial No. 527,754. Published Sept. 20. 1949. Class 22.

519,582. TEMPERATURE MEASURING AND REGULATING SWITCHES FOR HEATING APPARATUS. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed July 5, 1947, Serial No. 527,971. Published Sept. 13, 1949. Class 26.

519,583. MECHANICAL DISTRIBUTOR FOR RECEIVING GRAIN FROM A GRAIN ELEVATING LEG AND DISTRIBUTING IT TO SELECTED BINS IN A GRAIN ELEVATOR. ROY I. PATTERSON, doing business as Roto-Flo Mfg. Co., Camden Station, Minn.
Filed July 7, 1947, Serial No. 528,075. Published Sept. 20, 1949. Class 23.

519,584. CALCULATING SLIDING SCALE AND CHART. GEORGE M. CHIN, Irvington, N. J.
Filed July 8, 1947, Serial No. 528,116. Published Sept. 13, 1949. Class 26.

519,585. VITAMIN COMPOSITIONS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,399. Published Aug. 16, 1949. Class 18.

519,586. HOSE NOZZLE CONTROL VALVE, FOR USE WITH MOTOR FUEL DISPENSING EQUIPMENT. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind.
Filed July 15, 1947, Serial No. 528,659. Published Oct. 4, 1949. Class 13.

519,587. ROPE HITCHES FOR HOLDING TAUT CLOTHES LINES AND OTHER LINE CORDAGE. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn.
Filed July 19, 1947, Serial No. 528,941. Published Sept. 27, 1949. Class 13.

519,588. LEATHER IN THE PIECE. J. GREENEBAUM TANNING CO., Chicago, Ill.
Filed July 21, 1947, Serial No. 529,040. Published Sept. 27, 1949. Class 1.

519,589. THERMOSTATIC REGULATING AND CONTROLLING SWITCHES. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed July 25, 1947, Serial No. 529,483. Published Sept. 13, 1949. Class 26.

519,590. MOTION PICTURE PROJECTORS AND MOTION PICTURE FILM CLEANERS CONSTRUCTED TO BE ATTACHED TO MOTION PICTURE PROJECTORS AND COMPRISING CLEANING BELTS BETWEEN WHICH FILM IS DRAWN AS THE FILM IS FED BY A PROJECTOR AND MEANS FOR MOISTENING THE CLEANING BELTS WITH FILM CLEANING FLUID FILM. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,574. Published Sept. 13, 1949. Class 26.

519,591. UNFINISHED AND SEMI-FINISHED METAL ALLOY CASTINGS AND FORGINGS HAVING CEMENTED CARBIDE WEAR RESISTING INSERTS—NAMELY, WIRE DRAWING DIES, FORMING DIES, ETC. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed July 31, 1947, Serial No. 530,065. Published Mar. 15, 1949. Class 14.

519,592. REED TYPE SOUND INSTRUMENTS FOR SIMULATING WILD LIFE CALLS. SPORTSMAN AID CORP., Riverside, Ill.
Filed Aug. 2, 1947, Serial No. 530,345. Published Sept. 27, 1949. Class 22.

519,593. THERMOSTATS, CLOCK THERMOSTATS, ELECTRICAL CONTROLS—NAMELY, IMMERSION TYPE THERMOSTATIC SWITCH HOT WATER CONTROLS, ETC. BELL & GOSSETT COMPANY, Morton Grove, Ill.
Filed Aug. 15, 1947, Serial No. 531,424. Published Sept. 13, 1949. Class 26.

519,594. WATERPROOF COMPOUND IN PLASTIC AND LIQUID FORM CONTAINING ASPHALT AND ASBESTOS FOR GENERAL ROOFING AND WATERPROOFING PURPOSES, SHEATHING PAPER FOR TAR AND GRAVEL ROOFS AND GENERAL BUILDING PURPOSES, ETC. BEACON SALES COMPANY, Charlestown, Mass.
Filed Aug. 22, 1947, Serial No. 532,109. Published Sept. 6, 1949. Class 12.

519,595. PADDLE BALLS, TOPS OF THE BANDALORE TYPE, TOY AIRPLANES, TOY WAR TANKS, TOY TRUCKS, ETC. CHERRIO TOYS & GAMES INCORPORATED, Lockport, N. Y.
Filed Aug. 28, 1947, Serial No. 532,688. Published Sept. 20, 1949. Class 22.

519,596. MODEL KITS, EQUIPMENT, AND SUPPLIES, USED TO CONSTRUCT SCALE SHIP AND RAILWAY MODELS FOR TOTS. VARNEY SCALE MODELS, Chicago, Ill.
Filed Sept. 3, 1947, Serial No. 533,217. Published Sept. 20, 1949. Class 22.

519,597. CIGARS. JOSE ESCALANTE & Co., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 533,244. Published Oct. 4, 1949. Class 17.

519,598. SPRINGS FOR ALL PURPOSE MECHANICAL USES SUCH AS COIL SPRINGS, ETC. PARAGON SPRING COMPANY, Chicago, Ill.
Filed Sept. 5, 1947, Serial No. 533,605. Published Oct. 4, 1949. Class 13.

519,599. DRY MATS FOR STEREOTYPING PURPOSES. WOOD FLONG CORPORATION, Hoosick Falls, N. Y.
Filed Sept. 4, 1947, Serial No. 533,820. Published Sept. 13, 1949. Class 50.

519,600. HOSIERY. MALING BROTHERS, INC., Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 533,909. Published July 6, 1948. Class 39.

519,601. WRIST BANDS, BRACELETS AND CHAINS FOR WATCHES; CLASPS, BUCKLES AND FASTENERS THEREFOR, ETC. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Sept. 16, 1947, Serial No. 534,598. Published Oct. 18, 1949. Class 28.

519,602. METAL AWNINGS. LEE MILLER, doing business as Lemlar Manufacturing Co. and also under the fictitious name and style of Lee Miller Company, Gardena, Calif.
Filed Sept. 16, 1947, Serial No. 534,647. Published Sept. 13, 1949. Class 12.

519,603. PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND HERBICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed Sept. 22, 1947, Serial No. 535,220. Published Sept. 28, 1948. Class 6.

519,604. SPROCKET DRIVE CHAINS FOR POWER TRANSMISSION. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed Sept. 25, 1947, Serial No. 535,712. Published Sept. 20, 1949. Class 23.

519,605. METAL PIPE, CASING, TUBING AND CONDUIT FOR CONVEYING FLUIDS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed Sept. 27, 1947, Serial No. 536,026. Published Sept. 27, 1949. Class 18.

519,606. METAL PIPE, CASING, TUBING AND CONDUIT FOR CONVEYING FLUIDS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed Sept. 27, 1947, Serial No. 536,027. Published Sept. 27, 1949. Class 13.

519,607. METAL PIPE, CASING, TUBING AND CONDUIT FOR CONVEYING FLUIDS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed Sept. 27, 1947, Serial No. 536,028. Published Sept. 27, 1949. Class 13.

519,608. SHOE TREES. ROCHESTER SHOE TREE CO., INC., Rochester, N. Y.
Filed Sept. 30, 1947, Serial No. 536,291. Published Sept. 13, 1949. Class 50.

519,609. AUTOMATIC CONTROL SWITCHES—NAMELY, (1) TIME SWITCHES USED AS FIRE PILOT CONTROLS, (2) PRESSURE ACTUATED CONTROL SWITCHES USED AS STEAM AND HOT WATER LIMIT CONTROLS, (3) THERMOSTATIC AND BIOMETRIC THERMOSTATIC SWITCHES. SAMPSEL TIME CONTROL, INC., Spring Valley, Ill.
Filed Oct. 2, 1947, Serial No. 536,551. Published Sept. 13, 1949. Class 26.

519,610. PROTECTIVE TABLE PADS, AND LUNCHEON MATS, ALL FORMED OF HEAT INSULATING AND SCRATCH PREVENTING AND WATERPROOFING MATERIALS. LYDON-BRICHER MANUFACTURING COMPANY, St. Paul, Minn.
Filed Oct. 6, 1947, Serial No. 536,937. Published Sept. 13, 1949. Class 50.

519,611. WOOLEN PIECE GOODS. JOSEPH HOYLE & SON, LIMITED, Longwood, near Huddersfield, England.
Filed Oct. 18, 1947, Serial No. 538,284. Published July 19, 1949. Class 42.

519,612. LIQUID HIDE GLUE. THE FRANKLIN GLUE COMPANY, Columbus, Ohio.
Filed Oct. 20, 1947, Serial No. 538,390. Published Sept. 20, 1949. Class 5.

519,613. MILK BOTTLE CAPS MADE FROM LAMINATED METAL FOIL AND PAPER OR FROM METAL FOIL. MID-WEST BOTTLE CAP CO., Belvidere, Ill.
Filed Oct. 23, 1947, Serial No. 538,798. Published Sept. 13, 1949. Class 50.

519,614. LADIES' FUR COATS MADE OF PERSIAN PAW FUR. ESSERMAN BROS., New York, N. Y.
Filed Oct. 27, 1947, Serial No. 539,141. Published Sept. 13, 1949. Class 39.

519,615. WIRE NETTING IN SHEET OR ROLL FORM FOR FENCING AND OTHER PURPOSES. THE GILBERT & BENNETT MFG. CO., Georgetown, Conn.
Filed Oct. 28, 1947, Serial No. 539,310. Published Sept. 20, 1949. Class 13.

519,616. RUBBER AND RUBBER COMPOSITION FLOOR MATS. BALDWIN RUBBER COMPANY, Pontiac, Mich.
Filed Nov. 10, 1947, Serial No. 540,626. Published Sept. 13, 1949. Class 50.

519,617. CHEMICAL COMPOUNDS USED TO MAKE FABRICS MOTH RESISTANT. BOCON CHEMICAL CORPORATION, New York, N. Y.
Filed Nov. 13, 1947, Serial No. 540,978. Published Sept. 28, 1948. Class 6.

519,618. LITHOGRAPHIC OFFSET BLANKETS, DRAWSHEET AND GRAVURE IMPRESSION BLANKETS. RAPID ROLLER CO., Chicago, Ill.
Filed Nov. 19, 1947, Serial No. 541,707. Published Sept. 13, 1949. Class 50.

519,619. DUST MOPS. O-CEDAR CORP'N, Chicago, Ill.
Filed July 24, 1947, Serial No. 541,766. Published Oct. 4, 1949. Class 29.

519,620. DUST MOPS. O-CEDAR CORP'N, Chicago, Ill.
Filed July 24, 1947, Serial No. 541,768. Published Sept. 27, 1949. Class 29.

519,621. WOMEN'S HATS. LEONARD J. BEZARK, doing business as I. Bezark & Sons, Chicago, Ill.
Filed Nov. 20, 1947, Serial No. 541,803. Published Apr. 26, 1949. Class 39.

519,622. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 20, 1947, Serial No. 541,866. Published Sept. 20, 1949. Class 12.

519,623. HOUSE DRESSES. SHELBY MANUFACTURING CO., New York, N. Y.
Filed Sept. 10, 1947, Serial No. 542,402. Published Sept. 20, 1949. Class 39.

519,624. PERFUMES, FACE POWDERS, TOILET WATERS, SACHET POWDERS, LOTIONS FOR THE HAIR, AND BRILLIANTINE. GIVENMME, S. A., Milan, Italy.
Filed Nov. 28, 1947, Serial No. 542,559. Published Aug. 31, 1948. Class 51.

519,625. DRESSED DOLLS. NANCY ANN STORYBOOK DOLLS, INC., San Francisco, Calif.
Filed Nov. 28, 1947, Serial No. 542,630. Published Sept. 27, 1949. Class 22.

519,626. HAND NUMBERING MACHINE WHICH PRODUCES NUMBERED INK IMPRESSIONS ON PAPER. AMERICAN NUMBERING MACHINE CO., Brooklyn, N. Y.
Filed Dec. 3, 1947, Serial No. 543,052. Published Sept. 27, 1949. Class 23.

519,627. MEDICINAL PREPARATIONS — NAMELY, VITAMIN TABLETS; VITAMIN TONIC PREPARATION IN LIQUID FORM, ETC. BORCHERDT MALT EXTRACT COMPANY, Chicago, Ill.
Filed Dec. 6, 1947, Serial No. 543,562. Published Sept. 27, 1949. Class 18.

519,628. MEN'S AND BOYS' HATS. WOODROW STORES, INC., New York, N. Y.
Filed Dec. 8, 1947, Serial No. 543,766. Published Sept. 13, 1949. Class 39.

519,629. COVER AND PLATE FOR SERVING AND KEEPING CAKES FRESH, SOLD AS A UNIT, THE COVER BEING MADE OF BASE METAL. KROMEX CORPORATION, Cleveland, Ohio.
Filed July 15, 1947, Serial No. 543,856. Published Oct. 4, 1949. Class 13.

519,630. KNIVES, FORKS, SPOONS, TONGS, LADLES, SIFTERS, PINS, BUCKLES, BROOCHES, NAPKIN RINGS, ETC. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass.
Filed Dec. 11, 1947, Serial No. 544,112. Published Oct. 18, 1949. Class 28.

519,631. BATH SALT. KERR SALT COMPANY, Philadelphia, Pa.
Filed Dec. 23, 1947, Serial No. 545,264. Published Sept. 6, 1949. Class 51.

519,632. PIPE JOINT CEMENT. J. A. SEXAUER MFG. CO., INC., New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,288. Published Sept. 6, 1949. Class 12.

519,633. COVERS MADE FROM PLASTIC FILM—NAMELY, SHOULDER COVERS, BLOUSE COVERS, AND LINGERIE SETS (LINGERIE COVERS). A. L. SIEGEL CO., INC., New York, N. Y.
Filed Dec. 24, 1947, Serial No. 545,396. Published Sept. 13, 1949. Class 50.

519,634. STEEL ALLOY FOR WRENCHES AND HAND OPERATED TOOLS. BLACKHAWK MFG. CO., Milwaukee, Wis.
Filed Dec. 29, 1947, Serial No. 545,614. Published Apr. 5, 1949. Class 14.

519,635. CASTOR OIL. THE BAKER CASTOR OIL COMPANY, New York, N. Y.
Filed Dec. 31, 1947, Serial No. 545,810. Published Aug. 30, 1949. Class 6.

519,636. GAME BOARD, UTILIZING A PLANCHETTE, AND SOMETIMES KNOWN AS A TALKING BOARD. WILLIAM A. FULD, doing business as William Fuld, Baltimore, Md.
Filed Jan. 5, 1948, Serial No. 546,217. Published Sept. 20, 1949. Class 22.

519,637. TRICYCLES. SCALA MFG. CO., INC., Brooklyn, N. Y.
Filed Jan. 7, 1948, Serial No. 546,434. Published Sept. 13, 1949. Class 22.

519,638. GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Jan. 8, 1948, Serial No. 546,523. Published Sept. 27, 1949. Class 22.

519,639. HAND TOOLS FOR CLEANLY SEVERING PORTIONS OF SHEET METAL FROM BODIES OF THAT MATERIAL. RALPH W. POE, Canton, Ill.
Filed Jan. 12, 1948, Serial No. 546,789. Published Sept. 13, 1949. Class 23.

519,640. SHAMPOO PREPARATIONS. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed Jan. 13, 1948, Serial No. 546,872. Published Aug. 23, 1949. Class 52.

519,641. DOLLS AND DOLL CLOTHES. KERR AND HINE DOLL COMPANY, Santa Clara, Calif.
Filed Jan. 17, 1948, Serial No. 547,349. Published Sept. 27, 1949. Class 22.

519,642. ASPHALT ROLL ROOFINGS AND SHINGLES. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed Jan. 22, 1948, Serial No. 547,777. Published Sept. 6, 1949. Class 12.

519,643. BEER. ADOLPH COORS COMPANY, Golden, Colo.
Filed Jan. 23, 1948, Serial No. 547,838. Published Oct. 4, 1949. Class 48.

519,644. CHEMICAL AGENT TO BE ADDED TO LIQUID FUEL OILS FOR FACILITATING NORMAL FLOW OF THE FUEL OIL THROUGH FILTERS AND SMALL ORIFICES, THEREBY DECREASING THE DANGER OF STOPPAGES. SYNTHETIC CHEMICALS, INC., Paterson, N. J.
Filed Jan. 24, 1948, Serial No. 547,947. Published Aug. 16, 1949. Class 6.

519,645. GOLD AND PLATINUM JEWELRY—NAMELY, FINGER RINGS. DAVID SARKIN, INC., New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,412. Published Oct. 18, 1949. Class 28.

519,646. PERFUME, TOILET WATER, AND EAU DE COLOGNE. FABERGÉ INC., New York, N. Y.
Filed Jan. 31, 1948, Serial No. 548,493. Published Sept. 27, 1949. Class 51.

519,647. FLOOR MATS AND MATTING AND STAIR TREADS COMPOUNDED OF RUBBER AND FABRIC. MELFLEX PRODUCTS COMPANY, INC., Akron, Ohio.
Filed Feb. 2, 1948, Serial No. 548,599. Published Sept. 13, 1949. Class 50.

519,648. PAPERBOARD TRAPS IN THE FORM OF CARTONS HAVING ENTRANCE OPENINGS FOR SMALL ANIMALS AND RESILIENT FLAP MEANS TO PREVENT THEIR EXIT. THE GARDNER-RICHARDSON COMPANY, Middletown, Ohio, now by change of name The Gardner Board and Carton Co., a corporation of Ohio.
Filed Feb. 4, 1948, Serial No. 548,724. Published Sept. 13, 1949. Class 50.

519,649. ASH TRAYS. PARKITSAFE COMPANY, Miami Beach, Fla.
Filed Feb. 10, 1948, Serial No. 549,269. Published Aug. 30, 1949. Class 8.

519,650. ASH TRAYS. PARKITSAFE COMPANY, Miami Beach, Fla.
Filed Feb. 10, 1948, Serial No. 549,271. Published Aug. 30, 1949. Class 8.

519,651. CLOSURES FOR GLASS AND METALLIC CONTAINERS. CROWN CORK SPECIALTY CORPORATION, Decatur, Ill.
Filed Aug. 28, 1947, Serial No. 549,316. Published Sept. 13, 1949. Class 50.

519,652. HAIR SPRINGS. ASSOCIATED SPRING CORPORATION, Bristol, Conn.; Chicago, Ill.; Corry, Pa., and elsewhere.
Filed Nov. 4, 1947, Serial No. 549,330. Published Oct. 4, 1949. Class 13.

519,653. SASHES, DOORS, BLINDS, STAIRWAYS, WOODEN MOLDINGS, WOODEN FRAMES FOR DOORS AND WINDOWS, STRUCTURAL WOODEN BRACKETS, WOODEN BANNISTERS, ETC. CURTIS COMPANIES INCORPORATED, Clinton, Iowa.
Filed Nov. 17, 1947, Serial No. 549,363. Published Sept. 6, 1949. Class 12.

519,654. BOWLING TABLE GAMES. JULIUS DICKER, Astoria, N. Y.
Filed Feb. 12, 1948, Serial No. 549,518. Published Sept. 27, 1949. Class 22.

519,655. PANTS AND SKIRT HANGERS. GEORGE W. VETTER, Wilmette, Ill.
Filed Feb. 13, 1948, Serial No. 549,682. Published Sept. 6, 1949. Class 50.

519,656. THUMB TACKS, FURNITURE NAILS, AND UPHOLSTERY NAILS. AMERICAN TACK CO., INC., New York, N. Y.
Filed Feb. 14, 1948, Serial No. 549,692. Published Sept. 20, 1949. Class 13.

519,657. BASE METAL INITIALS, USED EITHER SINGLY OR COMBINED AS MONOGRAMS. OMAR, INC., New York, N. Y.
Filed Feb. 14, 1948, Serial No. 549,745. Published Oct. 18, 1949. Class 28.

519,658. MEN'S PAJAMAS. LUBIN-WERKER CO. INC., New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,938. Published Sept. 20, 1949. Class 39.

519,659. PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed Feb. 24, 1948, Serial No. 550,385. Published Sept. 6, 1949. Class 6.

519,660. THERMOSTATS, TIME (CLOCK) THERMOSTATS, WATER GAUGES, AIR PRESSURE GAUGES, ELECTRIC CLOCK-TYPE TIME CONTROL SWITCHES FOR FANS, PUMPS AND OTHER APPARATUS, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,449. Published Sept. 13, 1949. Class 26.

519,661. PYROPHORIC CIGARETTE LIGHTERS. RAM LIGHTERS, INC., Newark, N. J.
Filed Feb. 26, 1948, Serial No. 550,612. Published Aug. 30, 1949. Class 8.

519,662. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, ORNAMENTAL PINS, BROOCHES, ETC. DICKSON MFG. CO., Providence, R. I.
Filed Mar. 1, 1948, Serial No. 550,900. Published Oct. 18, 1949. Class 28.

519,663. METAL LADDER BRACES. WALTER L. JONES, doing business as Giant Ladder Brace Co., Cincinnati, Ohio.
Filed Mar. 2, 1948, Serial No. 551,012. Published Sept. 27, 1949. Class 13.

519,664. FISHING RODS. GEPHART MANUFACTURING CO., Chicago, Ill.
Filed Mar. 12, 1948, Serial No. 551,793. Published Sept. 20, 1949. Class 22.

519,665. CHILDREN'S TOYS—NAMELY, VELOCIPEDES, WAGONS, SCOOTERS, SLEDS, TOY WHEELBARROWS, ETC. THE CUSHING AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 13, 1948, Serial No. 551,864. Published Sept. 20, 1949. Class 22.

519,666. PRECIOUS METALS FOR INDUSTRIAL AND SCIENTIFIC USE AND FOR USE IN JEWELRY AND DENTAL APPLIANCES CONSISTING OF PURE METALS AND ALLOYS IN THE FORM OF INGOTS, PLATE, FOIL, BAND MATERIAL, WIRE, AND SOLDER. SPYCO SMELTING & REFINING COMPANY, Minneapolis, Minn.
Filed Dec. 26, 1947, Serial No. 552,870. Published Sept. 20, 1949. Class 14.

519,667. EDUCATIONAL TOYS. HOLGATE BROTHERS COMPANY, Kane, Pa.
Filed Mar. 22, 1948, Serial No. 552,655. Published Sept. 27, 1949. Class 22.

519,668. SODA FOUNTAIN SYRUPS, PARTICULARLY VANILLA, STRAWBERRY, PINEAPPLE, CHOCOLATE, LEMON, ORANGE FRUITADE, FRUIT PUNCH, GRENADINE, AND WILD CHERRY; ROOT BEER SYRUP AND BOTTLED ROOT BEER. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif.
Filed Mar. 29, 1948, Serial No. 553,292. Published May 10, 1949. Class 45.

519,669. CANVAS TENTS AND TARPAULINS. CAMEL MANUFACTURING COMPANY, Knoxville, Tenn.
Filed Apr. 1, 1948, Serial No. 553,573. Published Sept. 6, 1949. Class 50.

519,670. TOY STEERING WHEEL. STATLER MFG. CO., Chicago, Ill.
Filed Apr. 1, 1948, Serial No. 553,647. Published Sept. 20, 1949. Class 22.

519,671. DOLLS. BERYL W. BOYNTON, Lafayette, Calif.
Filed Apr. 2, 1948, Serial No. 553,667. Published Sept. 27, 1949. Class 22.

519,672. LADDER BRACKETS. SIMON BUCHER, doing business as Master Ladder Bracket Co., Milwaukee, Wis.
Filed Apr. 2, 1948, Serial No. 553,670. Published Sept. 6, 1949. Class 50.

519,673. PIPE TOBACCO. R. B. TOBIN TOBACCO CO., Detroit, Mich.
Filed Apr. 2, 1948, Serial No. 553,755. Published Oct. 4, 1949. Class 17.

519,674. FLAVORED SYRUP FOR USE IN SOFT DRINKS AND CARBONATED WATERS AND SPECIFICALLY SUCH SYRUPS IN FLAVORS OF VANILLA, ROOT BEER, LEMON, ORANGE, WILD CHERRY, AND STRAWBERRY. C & D FLAVOR COMPANY, Houston, Tex.
Filed Apr. 5, 1948, Serial No. 553,811. Published Oct. 11, 1949. Class 45.

519,675. HAIR AND SCALP PREPARATIONS — NAMELY, POMADE FOR STRAIGHTENING CURLY HAIR AND IMPROVING THE SCALP. THEODORE LEVINE, doing business as the Myalora Co., Brooklyn, N. Y.
Filed Apr. 5, 1948, Serial No. 553,873. Published Sept. 6, 1949. Class 51.

519,676. MEDICINAL PREPARATION OF ORAL LIQUID LIVER USED IN THE TREATMENT OF SECONDARY ANEMIA. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed Apr. 5, 1948, Serial No. 553,879. Published Sept. 20, 1949. Class 18.

519,677. COMBINATION OF SODIUM PENTOBARBITAL AND ACID PENTOBARBITAL IN AN ENTERIC COATED TABLET INDICATED FOR PROLONGED SEDATION. BOYLE AND COMPANY, Los Angeles, Calif.
Filed Apr. 8, 1948, Serial No. 554,085. Published Aug. 23, 1949. Class 18.

519,678. INFANT'S RATTLES. EARL & ARLINGTON, San Francisco, Calif.
Filed Apr. 9, 1948, Serial No. 554,216. Published Sept. 27, 1949. Class 22.

519,679. CHEWING TOBACCO. R. C. OWEN COMPANY, Gallatin, Tenn.
Filed Apr. 14, 1948, Serial No. 554,589. Published Oct. 4, 1949. Class 17.

519,680. MACHINE METAL LATHE AND PLANE TOOLS—NAMELY, TURNING TOOLS, CUTTING TOOLS, TOOL BITS, BACK RESTS, TAP AND DIE HOLDERS, AND TOOL POSTS. JOHN E. POORMAN, Philadelphia, Pa.
Filed Apr. 14, 1948, Serial No. 554,597. Published Sept. 13, 1949. Class 23.

519,681. ENGRAVED WOODEN BLOCKS FROM WHICH ELECTROTYPES ARE PREPARED FOR PRINTING PURPOSES. THE SANDER ENGRAVING CO., Chicago, Ill.
Filed Apr. 22, 1948, Serial No. 555,308. Published Sept. 13, 1949. Class 50.

519,682. MEN'S HATS. GEORGE S. BAILEY HAT CO., INC., Los Angeles, Calif.
Filed Apr. 24, 1948, Serial No. 555,482. Published Sept. 13, 1949. Class 39.

519,683. LUMBER AND TIMBER PRODUCTS—NAMELY, POLES, POSTS, CROSS-TIES, TIMBERS, AND PILING. THE LANGDALE COMPANY, Valdosta, Ga.
Filed Apr. 27, 1948, Serial No. 555,680. Published Sept. 6, 1949. Class 12.

519,684. PLASTIC MATERIALS OF ASPHALT, TAR, RESIN, LINSEED OIL OR MIXTURES THEREOF, WITH OR WITHOUT THE ADDITION OF FIBROUS SUBSTANCES, FOR USE AS RESILIENT FILLING FOR GAPS AND CRACKS, FOR COATINGS, AND AS ADHESIVES. KASPAR WINKLER & CO., Zurich, Switzerland.
Filed Apr. 28, 1948, Serial No. 555,787. Published Sept. 27, 1949. Class 12.

519,685. PREPARATION FOR IMPROVING THE BINDING AND SETTING PROPERTIES OF CEMENT, PLASTER, AND OTHER SIMILAR CONSTRUCTION MATERIALS WHEN ADDED THERETO, EXCLUDING GYPSUM PLASTERS. KASPAR WINKLER & CO., Zurich, Switzerland.
Filed Apr. 28, 1948, Serial No. 555,788. Published Sept. 27, 1949. Class 12.

519,686. PREPARATION FOR IMPROVING THE BINDING AND SETTING PROPERTIES OF CEMENT, PLASTER, AND OTHER SIMILAR CONSTRUCTION MATERIALS WHEN ADDED THERETO, EXCLUDING GYPSUM PLASTERS. KASPAR WINKLER & CO., Zurich, Switzerland.
Filed Apr. 28, 1948, Serial No. 555,789. Published Sept. 27, 1949. Class 12.

519,687. MALTLESS SOFT DRINKS AND CARBONATED WATERS. D. J. IRELAND, doing business as The Delaware Punch Bottling Company, Waco, Tex.
Filed May 1, 1948, Serial No. 556,014. Published Oct. 4, 1949. Class 45.

519,688. BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, CHANGE PURSES, SUITCASES, WARDROBE CASES, VALISES, OVERNIGHT BAGS, AND POCKETBOOKS. COLUMBIA WALESCRAFT, LTD., New York, N. Y.
Filed May 3, 1948, Serial No. 556,076. Published Aug. 23, 1949. Class 3.

519,689. CLOCKS AND WATCHES AND PARTS THEREOF—VIZ., RATCHETS, BRIDGES, BARRELS, BALANCE STAVES, PALLET STAVES, STEMS, SCREWS, AND JEWELS FOR PIVOTS, AND WATCH AND CLOCK SPRINGS, HAIR SPRINGS, AND HAND SPRINGS. LOUIS PERLOFF, doing business as the Lowill Watch Company, Philadelphia, Pa.
Filed May 4, 1948, Serial No. 556,216. Published Oct. 18, 1949. Class 27.

519,690. ARTIFICIAL FISH BAIT. LEWIS GORDON, doing business as Gordon Bait Company, Texarkana, Tex.
Filed May 5, 1948, Serial No. 556,260. Published Aug. 2, 1949. Class 22.

519,691. CHEMICALS USED IN THE MANUFACTURE OF VARIOUS PROPRIETARY MEDICINES; CHEMICALS FOR THE RUBBER, PRINTING, PLATING, DYEING INDUSTRIES, AND THE HYDROGENATION OF EDIBLE OILS; AND CHEMICALS FOR ANALYSIS AND LABORATORY USE. THOMAS TYRER & COMPANY LIMITED, Stratford, England.
Filed May 8, 1948, Serial No. 556,608. Published Sept. 6, 1949. Class 6.

519,692. SUCKLING DEVICE FOR FEEDING LIQUIDS TO CALVES AND OTHER DOMESTIC ANIMALS. MUTUAL PRODUCTS CO., Minneapolis, Minn.
Filed May 15, 1948, Serial No. 557,151. Published Sept. 6, 1949. Class 50.

519,693. FISH BAITS. P & K INCORPORATED, Chicago, Ill.
Filed May 18, 1948, Serial No. 557,307. Published Sept. 27, 1949. Class 22.

519,694. FERRO-MAGNETIC CORE AND SHIELDING MATERIALS. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y.
Filed May 19, 1948, Serial No. 557,380. Published Sept. 6, 1949. Class 14.

519,695. CHEMICAL COMPOUND USEFUL AS AN EMULSIFYING AND DISPERSING AGENT. ROBESON PROCESS COMPANY, New York, N. Y.
Filed May 19, 1948, Serial No. 557,391. Published Aug. 30, 1949. Class 6.

519,696. OUTBOARD MOTORS. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis.
Filed May 25, 1948, Serial No. 557,763. Published Sept. 6, 1949. Class 23.

519,697. STEEL BARS, BILLETS, AND FORGINGS. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa.
Filed May 28, 1948, Serial No. 558,040. Published Oct. 18, 1949. Class 14.

519,698. COATED FABRICS AND RESINOUS SHEET MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER. TEXTILEATHER CORPORATION, Toledo, Ohio.
Filed June 1, 1948, Serial No. 558,261. Published Sept. 13, 1949. Class 50.

519,699. HAND KNITTING WOOL YARN. THE AMERICAN THREAD COMPANY, New York, N. Y.
Filed June 8, 1948, Serial No. 558,683. Published Aug. 23, 1949. Class 43.

519,700. WAX EMULSION FOR WATERPROOFING FABRICS. THOMAS ROBINSON COMPANY, INC., New York, N. Y., assignor to Lancaster Processes, Inc., New York, N. Y., a corporation of New York.
Filed June 25, 1948, Serial No. 558,766. Published Sept. 20, 1949. Class 6.

519,701. IODIZED AND CHLORINATED OIL FOR X-RAY DIAGNOSIS AND IODINE MEDICATION. G. D. SEARLE & CO., Chicago, Ill.
Filed June 10, 1948, Serial No. 558,943. Published Sept. 20, 1949. Class 18.

519,702. PLASTIC TOILET SEATS. FEDERAL SEAT CORPORATION, Long Island City, N. Y.
Filed June 16, 1948, Serial No. 559,289. Published Sept. 20, 1949. Class 13.

519,703. TEXTILE DIAPERS. FITTS COTTON GOODS COMPANY, Atlanta, Ga.
Filed Feb. 6, 1948, Serial No. 559,377. Published Sept. 13, 1949. Class 39.

519,704. INSECTICIDE. FAESY & BESTHOFF, INC., New York, N. Y.
Filed June 18, 1948, Serial No. 559,595. Published Sept. 13, 1949. Class 6.

519,705. ADVERTISING NOVELTY IN THE NATURE OF A MECHANICAL SIGN. PERFECT CIRCLE CORPORATION, Hagerstown, Ind.
Filed June 19, 1948, Serial No. 559,727. Published Sept. 13, 1949. Class 50.

519,706. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES CONTAINING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 22, 1948, Serial No. 559,963. Published Sept. 20, 1949. Class 18.

519,707. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES CONTAINING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 22, 1948, Serial No. 559,964. Published Sept. 20, 1949. Class 18.

519,708. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES HAVING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 22, 1948, Serial No. 559,965. Published Sept. 6, 1949. Class 18.

519,709. PHARMACEUTICAL USED FOR THE TREATMENT AND RELIEF OF POISONING BY ACRID AND BLISTERING PLANTS SUCH AS POISON IVY, POISON OAK, POISON SUMAC. CHARLES M. KROSS, conducting business under the name and style of IVX LABORATORIES, Brooklyn, N. Y.
Filed June 24, 1948, Serial No. 560,112. Published Sept. 6, 1949. Class 18.

519,710. HEAT SEALING MOUNTING TISSUE FOR PHOTOGRAPHS. SEAL, INCORPORATED, Shelton, Conn.
Filed June 28, 1948, Serial No. 560,356. Published Sept. 13, 1949. Class 5.

519,711. CHILDREN'S TEENAGE AND JUNIOR MISSES' JACKETS, SKIRTS, AND SUITS. FAIRSEX SPORTSWEAR, CORP., New York, N. Y.
Filed June 29, 1948, Serial No. 560,391. Published Sept. 13, 1949. Class 39.

519,712. EMULSIFIED PHENYL AMINE USED ON ACETATE DYED FABRICS TO PREVENT ATMOSPHERIC GAS FADING. JACQUES WOLF & CO., Clifton, N. J.
Filed July 1, 1948, Serial No. 560,591. Published Sept. 6, 1949. Class 6.

519,713. HARDWARE—NAMELY, DOOR HANGERS, SLIDING DOOR TRACKS, SLIDING DOOR HARDWARE, FOLDING PARTITION HARDWARE, AND FIRE DOOR HARDWARE. THE COLORADO FUEL AND IRON CORPORATION, Denver, Colo.
Filed July 2, 1948, Serial No. 560,604. Published Oct. 4, 1949. Class 13.

519,714. BEER. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis.
Filed July 3, 1948, Serial No. 560,705. Published Oct. 4, 1949. Class 48.

519,715. BEER. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis.
Filed July 3, 1948, Serial No. 560,706. Published Oct. 4, 1949. Class 48.

519,716. FIBREBOARD IN SHEET FORM FOR USE IN MAKING MIDSOLES AND BUILT-UP HEELS FOR SHOES. GEORGE O. JENKINS COMPANY, Bridgewater, Mass.
Filed July 8, 1948, Serial No. 560,897. Published Sept. 13, 1949. Class 50.

519,717. FABRICS WITH CREPE-LIKE EFFECTS OF COTTON, LINEN, HALF-LINEN, AND COTTON-SPUN RAYON MIXTURES, IN THE PIECE. HERBERLEIN & Co., A. G., Wattwil, Switzerland.
Filed July 10, 1948, Serial No. 561,116. Published Sept. 27, 1949. Class 42.

519,718. PROPHYLACTIC AND IODIN PREPARATIONS FOR EXTERNAL USE. MENLEY & JAMES, LIMITED, New York, N. Y.
Filed July 14, 1948, Serial No. 561,323. Published Sept. 20, 1949. Class 18.

519,719. PRECIOUS METAL JEWELRY—NAMELY, RINGS, ETC. SEARS, ROEBUCK AND Co., Chicago, Ill.
Filed July 15, 1948, Serial No. 561,504. Published Oct. 18, 1949. Class 28.

519,720. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS, COLOGNES, FACE POWDER, BRILLIANTINE, EYE SHADOW AND LOTIONS. OMNIUM ARTS ET INDUSTRIE, SOCIETE ANONYME, Paris, France.
Filed July 16, 1948, Serial No. 561,578. Published Sept. 20, 1949. Class 51.

519,721. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS, COLOGNES, FACE POWDER, BRILLIANTINE, EYE SHADOW, AND LOTIONS. OMNIUM ARTS ET INDUSTRIE, SOCIETE ANONYME, Paris, France.
Filed July 16, 1948, Serial No. 561,579. Published Sept. 20, 1948. Class 51.

519,722. STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa.
Filed July 19, 1948, Serial No. 561,652. Published Sept. 6, 1949. Class 14.

519,723. ORNAMENTAL PLAQUES, STATUARY BUSTS, ANIMAL STATUETTES, STATUARY REPLICAS OF HUMAN ANATOMICAL BODY PARTS, REPRODUCTIONS OF SCULPTURED ORNAMENTAL OBJECTS. NICHOLAUS KOSI, New York, N. Y.
Filed July 19, 1948, Serial No. 561,674. Published Sept. 13, 1949. Class 50.

519,724. LIQUID PREPARATION FOR STOPPING AND PREVENTING RUNS IN LADIES' HOSIERY. HOWARD SMITH, doing business as Brentwood Distributors, New York, N. Y.
Filed July 24, 1948, Serial No. 562,160. Published Sept. 6, 1949. Class 6.

519,725. DAIRY BOTTLE CAPS. MID-WEST BOTTLE CAP Co., Belvidere, Ill.
Filed July 31, 1948, Serial No. 562,616. Published Sept. 13, 1949. Class 50.

519,726. CHEMICALS AND PREPARATIONS THEREOF—NAMELY, SURFACE ACTIVE AGENTS, EMULSIFYING AGENTS, WETTING AGENTS, AND DISPERSING AGENTS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,692. Published Sept. 13, 1949. Class 6.

519,727. SCALP CREAM. ADELE E. NAIMOLI, New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,724. Published Aug. 30, 1949. Class 51.

519,728. SODIUM PERBORATE MONOHYDRATE, USED IN THE MANUFACTURE OF TOOTH POWDERS, ARTIFICIAL DENTURE CLEANERS, FOOT POWDERS, FLOOR CLEANERS, AND FOR MANY OTHER PURPOSES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed Aug. 6, 1948, Serial No. 562,921. Published Sept. 6, 1949. Class 6.

519,729. TYPEWRITER RIBBONS. RIBBONWRITER CORPORATION OF AMERICA, Fort Lauderdale, Fla.
Filed Aug. 6, 1948, Serial No. 562,950. Published Oct. 4, 1949. Class 11.

519,730. PHARMACEUTICAL PREPARATIONS TAKEN INTERNALLY FOR RELIEF OF SIMPLE ACHES AND PAINS. ALMAC LABORATORIES, INC., Scranton, Pa.
Filed Aug. 9, 1948, Serial No. 563,049. Published Aug. 30, 1949. Class 18.

519,731. COIN-CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed Aug. 9, 1948, Serial No. 563,061. Published Sept. 20, 1949. Class 22.

519,732. CONTRAST MEDIA FOR X-RAY DIAGNOSIS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed Aug. 12, 1948, Serial No. 563,266. Published Sept. 6, 1949. Class 6.

519,733. FATTY AMINES FOR USE IN INDUSTRIAL FIELDS. GENERAL MILLS, INC., Wilmington, Del., and Minneapolis, Minn.
Filed Apr. 15, 1948, Serial No. 563,519. Published Mar. 8, 1949. Class 6.

519,734. PRODUCT CONSISTING OF CARBON BLACK DISPERSED IN POLYETHYLENE. BINNEY & SMITH COMPANY, New York, N. Y.
Filed Aug. 18, 1948, Serial No. 563,655. Published Sept. 20, 1949. Class 6.

519,735. PERFUME. J. STRICKLAND AND Co., Memphis, Tenn.
Filed Aug. 19, 1948, Serial No. 563,762. Published Sept. 6, 1949. Class 51.

519,736. UNFINISHED BASE METAL BLANKS, TO BE FINISHED, FOR USE IN MAKING ARTICLES OF HOBBY CRAFT. LEE E. SHARPE, Falls Church, Va.
Filed Aug. 25, 1948, Serial No. 564,164. Published Sept. 6, 1949. Class 14.

519,737. MEDICINAL PREPARATION FOR THE TREATMENT OF BACTERIAL INFECTIONS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Aug. 26, 1948, Serial No. 564,226. Published Sept. 20, 1949. Class 18.

519,738. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. BOOTH BOTTLING COMPANY, INC., Philadelphia, Pa.
Filed Aug. 31, 1948, Serial No. 564,430. Published Oct. 4, 1949. Class 45.

519,739. PREPARATION FOR THE PREVENTION AND TREATMENT OF TRAVEL SICKNESS. WINTHROP-STEARNS INC., New York, N. Y.
Filed Aug. 31, 1948, Serial No. 564,494. Published Sept. 13, 1949. Class 18.

519,740. COMMINUTED FREE-FLOWING, FIRE-EXTINGUISHING DRY CHEMICAL. ANSUL CHEMICAL COMPANY, Marinette, Wis.
Filed Sept. 2, 1948, Serial No. 564,546. Published Sept. 13, 1949. Class 6.

519,741. ANTIBIOTIC OINTMENT. THE LAZARIN COMPANY, Oceanside, N. Y.
Filed Aug. 27, 1948, Serial No. 564,698. Published Sept. 13, 1949. Class 18.

519,742. DICYANDIAMIDE FOR USE IN PAPER MANUFACTURE TO MODIFY THE PROPERTIES OF THE FINISHED PRODUCTS. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed Sept. 7, 1948, Serial No. 564,751. Published Sept. 13, 1949. Class 6.

519,743. ASPHALT SHINGLES. BIRD & SON, INC., East Walpole, Mass.
Filed Sept. 11, 1948, Serial No. 564,984. Published Sept. 27, 1949. Class 12.

519,744. NONALCOHOLIC, MALTLESS, CARBONATED COFFEE BEVERAGE SOLD AS A SOFT DRINK. R. H. MACY & Co., INC., New York, N. Y.
Filed Sept. 16, 1948, Serial No. 565,276. Published Oct. 11, 1949. Class 45.

519,745. PREPARATION IN THE FORM OF AN OINTMENT FOR USE IN THE TREATMENT OF FUNGUS INFECTIONS OF THE HUMAN BODY. WALLACE LABORATORIES, INC., New York, N. Y.
Filed Sept. 17, 1948, Serial No. 565,389. Published Sept. 6, 1949. Class 18.

519,746. REMEDY TO RELIEVE ITCHING OF DOGS. THE E. W. ROSE COMPANY, Cleveland, Ohio.
Filed Sept. 21, 1948, Serial No. 565,582. Published Sept. 27, 1949. Class 18.

519,747. SKIN CREAM. ASTRA LABORATORY, Scotia, N. Y.
Filed Sept. 22, 1948, Serial No. 565,606. Published Sept. 6, 1949. Class 51.

519,748. PREPARED LIQUID STARCH. DELECTO PRODUCTS Co., San Mateo, Calif.
Filed Sept. 24, 1948, Serial No. 565,757. Published Sept. 6, 1949. Class 6.

519,749. SALVES FOR THE SKIN AND BODY FOR RELIEVING PAIN AND A REMEDY FOR BURNS, BRUISES, WOUNDS, CONTUSIONS, ABRASIONS, ULCERS, AND INFLAMED CONDITIONS OF SKIN AND MUCOUS MEMBRANE. KIP INC., Los Angeles, Calif.
Filed Sept. 25, 1948, Serial No. 565,898. Published Sept. 6, 1949. Class 18.

519,750. ANALGESIC, SEDATIVE, AND ANTI-SPASMODIC PREPARATIONS. HOFFMANN-LA ROCHE INC., Nutley, N. J.
Filed Oct. 1, 1948, Serial No. 566,231. Published Sept. 20, 1949. Class 18.

519,751. SHEET STEEL. BETHLEHEM STEEL CORPORATION, Detroit, Mich.
Filed Aug. 16, 1948, Serial No. 566,271. Published Sept. 6, 1949. Class 14.

519,752. RESIN-CONTAINING ANTACID COMPOSITION INTENDED FOR ORAL ADMINISTRATION AND SUITABLE FOR USE IN THE TREATMENT OF ULCERS AND OTHER GASTROINTESTINAL DISORDERS. THE NATIONAL DRUG COMPANY, Philadelphia, Pa.
Filed Oct. 6, 1948, Serial No. 566,532. Published Sept. 27, 1949. Class 18.

519,753. DIURETIC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Oct. 6, 1948, Serial No. 566,549. Published Sept. 6, 1949. Class 18.

519,754. LIPSTICKS. CHRISTY COSMETICS INC., New York, N. Y.
Filed Oct. 7, 1948, Serial No. 566,568. Published Sept. 20, 1949. Class 51.

519,755. LIPSTICKS. CHRISTY COSMETICS INC., New York, N. Y.
Filed Oct. 7, 1948, Serial No. 566,569. Published Sept. 20, 1949. Class 51.

519,756. HIGH STRENGTH ADHESIVE FILM SOLD IN ROLL FORM. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed Oct. 14, 1948, Serial No. 566,994. Published Sept. 27, 1949. Class 5.

519,757. WATERPROOF, LIQUID, GENERAL PURPOSE ADHESIVE CEMENTS. WEBB PRODUCTS COMPANY, San Bernardino, Calif.
Filed Oct. 15, 1948, Serial No. 567,061. Published Sept. 27, 1949. Class 5.

519,758. HEMOSTATIC THERAPEUTIC SUBSTANCE. NOVOCOL CHEMICAL MFG. Co., INC., Brooklyn, N. Y.
Filed Oct. 16, 1948, Serial No. 567,087. Published Sept. 6, 1949. Class 18.

519,759. GRAPE JUICE. TAYLOR & SLEDD, INCORPORATED, Richmond, Va.
Filed Oct. 20, 1948, Serial No. 567,283. Published Oct. 11, 1949. Class 45.

519,760. ANTIGEN FOR THE PREVENTION OF BLACKLEG IN CATTLE. CUTTER LABORATORIES, Berkeley, Calif.
Filed Aug. 24, 1948, Serial No. 567,327. Published Sept. 6, 1949. Class 18.

519,761. ANTIGEN FOR THE PREVENTION OF ANTHRAX IN LIVESTOCK. CUTTER LABORATORIES, Berkeley, Calif.
Filed Aug. 24, 1948, Serial No. 567,329. Published Sept. 6, 1949. Class 18.

519,762. BIOLOGICAL IMMUNIZING AGENT FOR IMMUNIZING AGAINST DIPHTHERIA AND WHOOPING COUGH BY INOCULATION. CUTTER LABORATORIES, Berkeley, Calif.
Filed Aug. 24, 1948, Serial No. 567,330. Published Sept. 6, 1949. Class 18.

519,763. GONADOTROPIC HORMONE FROM THE SERUM OF PREGNANT MARES TO BE USED TO STIMULATE THE SEX ORGANS OF BOTH MALES AND FEMALES OF ALL SPECIES TO THEIR NORMAL FUNCTION. CUTTER LABORATORIES, Berkeley, Calif.
Filed Aug. 24, 1948, Serial No. 567,332. Published Sept. 6, 1949. Class 18.

519,764. OPTICAL FRAMES. MARINE OPTICAL MFG. Co., Boston, Mass.
Filed Oct. 26, 1948, Serial No. 567,641. Published Sept. 13, 1949. Class 26.

519,765. NEWSPAPER PRINTING INK. J. M. HUBER CORPORATION, Red Bank, N. J., and New York, N. Y.
Filed Oct. 28, 1948, Serial No. 567,787. Published Sept. 27, 1949. Class 11.

519,766. METAL WELDING RODS. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Oct. 30, 1948, Serial No. 567,897. Published Oct. 18, 1949. Class 14.

519,767. BEER. THE STROH BREWERY COMPANY, Detroit, Mich.
Filed Nov. 1, 1948, Serial No. 568,006. Published Oct. 4, 1949. Class 48.

519,768. COSMETIC PROTECTOR (HOODS MADE OF CLOTH WITH RECTANGULAR OPENING FOR THE EYES, TO PROTECT CLOTHING FROM COSMETICS WHEN TRYING ON WOMEN'S CLOTHES). MARGARET S. SIMMON, New York, N. Y.
Filed Nov. 2, 1948, Serial No. 568,077. Published Sept. 27, 1949. Class 39.

519,769. ALUMINUM GAS WELDING RODS. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y.
Filed Nov. 6, 1948, Serial No. 568,302. Published Oct. 18, 1949. Class 14.

519,770. METAL ALLOYS FOR WELDING, BRAZING, SOLDERING, AND LIKE PURPOSES. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y.
Filed Nov. 6, 1948, Serial No. 568,303. Published Oct. 18, 1949. Class 14.

519,771. PERFUME AND TOILET WATER. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed Nov. 9, 1948, Serial No. 568,421. Published Sept. 6, 1949. Class 51.

519,772. VITAMIN P TABLET COMPRISED OF LEMON PEEL INFUSION FORTIFIED WITH VITAMIN C. PAUL C. BRAGG, doing business as Live Food Products Co., Burbank, Calif.
Filed Nov. 10, 1948, Serial No. 568,489. Published Sept. 27, 1949. Class 18.

519,773. INSECTICIDES—NAMELY, ROACH POWDER. MOLLY CHERNACK, doing business as Gold Chain Exterminators, Brooklyn, N. Y.
Filed Nov. 12, 1948, Serial No. 568,581. Published Sept. 6, 1949. Class 6.

519,774. OINTMENTS AND LOTIONS CONTAINING KELP EXTRACT INTENDED FOR RELIEF OF MINOR BURNS, SCALDS, SUNBURN, AND SKIN IRRITATIONS. ALGAEDERM INC., Bellingham, Wash.
Filed Nov. 15, 1948, Serial No. 568,773. Published Sept. 13, 1949. Class 18.

519,775. WELDING RODS OF METAL FOR USE PARTICULARLY WHEN THE ELECTRIC ARC OR A GASEOUS HEATING FLAME IS EMPLOYED. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed Nov. 16, 1948, Serial No. 568,860. Published Oct. 18, 1949. Class 14.

519,776. VEHICLE OR VARNISH FOR PRINTERS' INKS. WESTERN LABORATORIES, INC., Burbank, Calif.
Filed Nov. 16, 1948, Serial No. 568,882. Published Sept. 27, 1949. Class 11.

519,777. FINGER RINGS. OSTBYE AND ANDERSON, Minneapolis, Minn.
Filed Jan. 6, 1949, Serial No. 571,741. Published Sept. 20, 1949. Class 28.

519,778. BINDER SUITABLE FOR USE IN THE DYEING AND PRINTING OF TEXTILES. ROHM & HAAS COMPANY, Philadelphia, Pa.
Filed Feb. 24, 1949, Serial No. 574,463. Published Sept. 6, 1949. Class 6.

Service Marks

519,779. THE UNDERWRITING OF INDIVIDUAL AND GROUP LIFE INSURANCE. THE PRUDENTIAL INSURANCE COMPANY OF AMERICA, Newark, N. J.
Filed July 30, 1947, Serial No. 530,019. Published Sept. 13, 1949. Class 102.

519,780. MERCHANDISING SERVICE FOR INDUCING THE PURCHASING PUBLIC TO PAY CASH, RENDERED TO MERCHANTS AND THEIR CUSTOMERS. THE SPERRY AND HUTCHINSON COMPANY, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,515. Published Sept. 20, 1949. Class 101.

519,781. BLEACHING, DYEING AND SHRINKING TEXTILE FABRICS AND APPLYING THERETO ANY NECESSARY OILS, STARCHES, WAXES, WATER REPELLENT MATERIALS AND THE LIKE, AND DRYING AND CALENDERING SAID FABRICS. NORTH CAROLINA FINISHING COMPANY, Salisbury, N. C.
Filed Sept. 20, 1947, Serial No. 535,175. Published Sept. 20, 1949. Class 106.

519,782. PUBLIC UTILITY SERVICES—NAMELY, SUPPLYING GAS AND ELECTRIC SERVICE TO CITIES, MUNICIPALITIES, AND OTHER USERS. PUBLIC SERVICE COMPANY OF COLORADO, Denver, Colo.
Filed Oct. 8, 1947, Serial No. 537,235. Published Sept. 20, 1949. Class 100.

519,783. PASSENGER MOTORBUS TRANSPORTATION SERVICE. NATIONAL TRAILWAYS BUS SYSTEM, Chicago, Ill.
Filed Oct. 23, 1947, Serial No. 538,061. Published Aug. 16, 1949. Class 105.

519,784. SERVING OF FOODS AND BEVERAGES IN RESTAURANTS. HOT SHOPPES, INC., Washington, D. C.
Filed Nov. 28, 1947, Serial No. 542,588. Published Sept. 6, 1949 Class 100.

519,785. TRUCKING NEWSPAPERS AND MAGAZINES. BENJAMIN FARER, doing business as the Farer Transportation Company, Waterbury, Conn.
Filed Feb. 14, 1948, Serial No. 549,722. Published Sept. 27, 1949. Class 105.

519,786. INSURANCE BROKERAGE—NAMELY, LIFE, FIRE, HEALTH, ACCIDENT, BURGLARY, LIABILITY, EXPLOSION, AUTOMOBILE, AND PLATE GLASS INSURANCE. SIDNEY U. BERGMAN, doing business under the trade name of Sidney U. Bergman & Co., Chicago, Ill.
Filed Apr. 1, 1948, Serial No. 553,569. Published Sept. 27, 1949. Class 102.

519,787. POINT OF SALE ADVERTISING SERVICE BY WHICH ADVERTISING SIGNS, WINDOW DISPLAYS, ETC., FURNISHED BY ADVERTISERS, ARE PLACED BY APPLICANT FOR DISPLAY IN LOCATIONS WHERE THE ADVERTISED PRODUCTS ARE SOLD. ALTON WILSON, Houston, Tex.
Filed Nov. 19, 1948, Serial No. 569,116. Published Sept. 27, 1949. Class 101.

519,788. AIR TRANSPORT OF PASSENGERS AND FREIGHT. AMERICAN AIRLINES, INC., New York, N. Y.
Filed Jan. 29, 1949, Serial No. 573,022. Published Sept. 27, 1949. Class 105.

Collective Marks

519,789. THE BROKERAGE OF REAL ESTATE, INDUSTRIAL BROKERAGE, FARM BROKERAGE, ETC. NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, Chicago, Ill.
Filed July 17, 1947, Serial No. 540,013. Published Sept. 13, 1949. Class 102.

519,790. THE BROKERAGE OF REAL ESTATE, INDUSTRIAL BROKERAGE, FARM BROKERAGE, ETC. NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, Chicago, Ill.
Filed July 17, 1947, Serial No. 540,014. Published Sept. 13, 1949. Class 102.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

519,791. (CLASS 6. CHEMICALS AND CHEMICAL COMPOSITIONS.) HOWARD D. MEINECKE, Chicago, Ill. Original filed, act of 1905, Apr. 27, 1946; amended to application under act of 1946, Supplemental Register, Nov. 26, 1948, Serial No. 501,078.

PLASTOJEL

FOR COLD SWELLING STARCH, A MODIFIED POTATO STARCH ONLY USED INDUSTRIALLY, AS IN THE MANUFACTURE OF CERAMICS.
Claims use since Feb. 10, 1946.

519,792. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEORGES ROGER HAMEL, Paris, France. Original filed, act of 1905, June 11, 1946; amended to application under act of 1946. Supplemental Register, Jan. 14, 1948, Serial No. 503,650.

"Moteur Multiplex"

No claim is made to the word "Moteur" apart from the mark as shown. Applicant claims ownership of French Registration No. 355,192, dated Nov. 28, 1944.
FOR INTERNAL COMBUSTION MOTORS.

519,793. (CLASS 52. DETERGENTS AND SOAPS.) NEILSON CHEMICAL COMPANY, Detroit, Mich. Original filed, act of 1905, June 19, 1946; amended to application under act of 1946, Principal Register, Sept. 15, 1947; amended to application, Supplemental Register, Mar. 5, 1949, Serial No. 504,199.

PREP-N-COTE

FOR A CHEMICAL PREPARATION FOR REMOVING DUST CLEANING AND FORMING OF PHOSPHATE CORROSION RESISTING SURFACE TO RECEIVE PAINT.
Claims use since Nov. 1, 1940.

519,794. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) E-Z ROLL CO., West McHenry, Ill. Original filed, act of 1905, Aug. 15, 1946; amended to application under act of 1946, Principal Register, Jan. 8, 1948; amended to Supplemental Register, Sept. 16, 1949, Serial No. 507,492.



FOR ROLLER SKATES AND ROLLER SKATE WHEELS.
Claims use since Sept. 1, 1939.

519,795. (CLASS 2. RECEPTACLES.) SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Original filed, act of 1905, Sept. 11, 1946; amended to application under act of 1946, Supplemental Register, June 16, 1948, Serial No. 508,864.

Purewrap

Applicant claims ownership of Registration No. 407,739.
FOR PAPER BAGS.
Claims use since July 27, 1946.

519,796. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) THE UPJOHN COMPANY, Kalamazoo, Mich. Original filed, act of 1905, Sept. 24, 1946; amended to application under act of 1946, Supplemental Register, Apr. 30, 1948, Serial No. 509,683.

Cebetabs

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF VITAMIN AND NUTRITIONAL DISORDERS AND DEFICIENCIES.
Claims use since Nov. 13, 1945.

519,797. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE POLLAK STEEL COMPANY, Cincinnati, Ohio. Original filed, act of 1905, Oct. 18, 1946; amended to application under act of 1946; Supplemental Register, Dec. 11, 1948, Serial No. 511,106.

STUDTEE

FOR METAL FENCE POSTS.
Claims use since Sept. 24, 1946.

519,798. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SCHENLEY DISTILLERS CORPORATION, New York, N. Y., now by change of name Schenley Industries, Inc., assignee of Schenley Distilleries, Inc. Original filed, act of 1905, Oct. 18, 1946; amended to application under act of 1946, Supplemental Register, Feb. 5, 1948, Serial No. 511,111.

Colonel BRETT

The mark shown in the drawing is fanciful.
FOR WHISKEY.
Claims use since Aug. 1, 1941.

519,799. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) GILBERT LEWIS, doing business as Lewis-Perry Preparations, Henryetta, Okla. Original filed, act of 1920, Dec. 23, 1946; amended to application under act of 1946, Supplemental Register, Apr. 22, 1948, Serial No. 514,710.

Gilbert Lewis, Perry

FOR PREPARATION FOR AGUE, CHILLS, FEVER, LAXATIVE, RHEUMATISM, AND KIDNEYS.
Claims use since December 1910.

519,800. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RUSSELL MANUFACTURING CO., Caro, Mich. Original filed, act of 1905, Jan. 23, 1947; amended to application under act of 1946, Supplemental Register, Oct. 29, 1948, Serial No. 516,220.

Russell WEED CONTROLOR

Applicant disclaims the words "Weed Controller" apart from the mark as shown.
FOR SHOE ATTACHMENTS FOR CULTIVATORS.
Claims use since Jan. 3, 1947.

519,801. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Original filed, act of 1905, Feb. 24, 1947; amended to application under act of 1946, Supplemental Register, July 3, 1948, Serial No. 518,027.

Easy-Way

FOR CHEMICAL PREPARATION FOR USE IN EXPELLING WORMS IN HOGS.
Claims use since Feb. 10, 1947.

519,802. (CLASS 2. RECEPTACLES.) LUCY LIGHT PARROTT, doing business as Parco Products Company, East Greenville, Pa. Original filed, act of 1905, June 5, 1947; amended to application under act of 1946, Supplemental Register, Aug. 19, 1948, Serial No. 523,606.

DISPENSIT

FOR PORTABLE THERMALLY INSULATED METAL CONTAINERS FOR TEMPORARILY STORING THEREIN BEVERAGES, FOOD, AND ICE CUBES.
Claims use since Mar. 27, 1947.

519,803. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) LILLIAN ANDERSON, Manhasset, N. Y. Original filed, act of 1905, June 30, 1947; amended to application under act of 1946, Supplemental Register, Oct. 20, 1948, Serial No. 525,175.



FOR CLEANSING CREAM, MARCEL WAX, TALCUM POWDER, COLD CREAM, FACE POWDER, AND SACHET POWDER.
Claims use since June 1945.

519,804. (CLASS 15. OILS AND GREASES.) CHEMOLA MANUFACTURING COMPANY, Houston, Tex. Original filed, act of 1905, June 30, 1947; amended to application under act of 1946, Supplemental Register, Nov. 15, 1948, Serial No. 525,196.

SUPERSEAL

FOR VALVE GREASE.
Claims use since June 27, 1947.

519,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHURCH & DWIGHT CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, July 5, 1947; amended to application, Supplemental Register, Feb. 18, 1949, Serial No. 526,782.



The drawing is lined to represent the colors red and blue. The representation of the carton is disclaimed. No claim is made to the exclusive use of any of the words except the words "Arm & Hammer" and "Church & Co's". Applicant claims ownership of Registrations Nos. 55,665, 258,596, 360,881, 377,407, 59,817, 258,622, 360,880, 47,947, 106,214, 106,215, 106,216, ETC.
FOR BAKING SODA (BICARBONATE OF SODA), FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since 1896.

519,806. (CLASS 17. TOBACCO PRODUCTS.) JOSE ESCALANTE & Co., Chicago, Ill. Filed Aug. 30, 1947, Serial No. 538,243.



The portrait is merely fanciful.
FOR CIGARS.
Claims use since 1900.

519,807. (CLASS 39. CLOTHING.) FELPORT, INCORPORATED, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 24, 1947; amended to application, Supplemental Register, Nov. 29, 1948, Serial No. 535,512.

CLEARASITE

FOR VISORED CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Aug. 1, 1947.

519,808. (CLASS 15. OILS AND GREASES.) WM. C. ROBINSON & SON CO., Baltimore, Md. Original filed, act of 1946, Principal Register, Sept. 25, 1947; amended to application, Supplemental Register, Dec. 27, 1948, Serial No. 535,749.

For your motor's sake

FOR LUBRICATING OILS.
Claims use since Oct. 1, 1905.

519,809. (CLASS 19. VEHICLES.) CALIFORNIA CAR BED COMPANY, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Sept. 29, 1947; amended to application, Supplemental Register, Aug. 5, 1948, Serial No. 536,044.



The drawing is lined to show a gold background for the mark.
FOR VEHICLE SEATS AND PARTICULARLY FOR CONVERTIBLE VEHICLE SEATS ADAPTED TO FORMATION OF A BED WITHIN THE VEHICLE.
Claims use since June 8, 1946.

519,810. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) C. A. CLARK MANUFACTURING COMPANY, INC., Springfield, Mo. Original filed, act of 1946, Principal Register, Sept. 30, 1947; amended to application, Supplemental Register, Apr. 14, 1949, Serial No. 536,238.



The drawing is lined for shading only.
FOR FISH LURES.
Claims use since June 4, 1947.

519,811. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER CORPORATION, Holyoke, Mass. Original filed, act of 1946, Principal Register, Oct. 10, 1947; amended to application, Supplemental Register, Oct. 18, 1948, Serial No. 537,392.

FARNSWORTH

Applicant claims ownership of Registration No. 139,061.
FOR PAPETERIE-PAPERS.
Claims use since Nov. 17, 1919.

519,812. (CLASS 6. CHEMICALS AND CHEMICAL COMPOSITIONS.) WESTVACO CHLORINE PRODUCTS CORPORATION, New York, N. Y., South Charleston, W. Va., and Newark, Calif., now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Original filed, act of 1946, Principal Register, Nov. 6, 1947; amended to application, Supplemental Register, June 11, 1949, Serial No. 540,345.

SOILFUME 60-40

FOR INSECTICIDE.
Claims use since June 6, 1947.

519,813. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MID-STATES SALES, Muncie, Ind. Original filed, act of 1946, Principal Register, Nov. 25, 1947; amended to application, Supplemental Register, Apr. 21, 1949, Serial No. 542,327.

Farm-Easy

FOR AGRICULTURAL IMPLEMENTS — NAMELY, POWER DRIVEN MOWERS, SAWS, AND CULTIVATORS.
Claims use since July 14, 1947.

519,814. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) M. P. BODGE, doing business as M. P. Bodge Products, Portsmouth, N. H. Original filed, act of 1946, Principal Register, Mar. 15, 1948; amended to application, Supplemental Register, May 16, 1949, Serial No. 551,936.



FOR FISHING TACKLE — NAMELY, TROLLING SPINNERS.
Claims use since Sept. 1, 1946.

519,815. (CLASS 39. CLOTHING.) JOSEPH LOVE, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, Oct. 14, 1949, Serial No. 554,236.

Lovelies by Love

FOR GIRLS' DRESSES, SKIRTS, JACKETS, AND COATS.
Claims use since Sept. 9, 1947.

519,816. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) NEW YORK BAR SUPPLY CO., doing business as White Cap Distributors, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, Oct. 19, 1949, Serial No. 554,245.

Cocktail Foam Always a Head

FOR NONALCOHOLIC PREPARATION FOR PRODUCING FOAM, FROTH, OR "CREAMY HEAD" TO ALCOHOLIC BEVERAGES AND COCKTAILS.
Claims use since Feb. 13, 1948.

519,817. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) VERN C. SMITH, doing business as Smith Products, Washougal, Wash. Original filed, act of 1946, Principal Register, Apr. 26, 1948; amended to application, Supplemental Register, Apr. 6, 1949, Serial No. 555,634.

MANE DRESS

FOR PREPARATION TO BE USED AS A DRESSING ON THE MANES AND TAILS OF HORSES.
Claims use since Feb. 5, 1948.

519,818. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT T. ROGAHN, doing business as Ollie Rogahn Bowlers Shop, Milwaukee, Wis. Original filed, act of 1946, Principal Register, May 6, 1948; amended to application, Supplemental Register, Oct. 29, 1949, Serial No. 556,369.

HOOK-GRIP

FOR BOWLING BALLS.
Claims use since Apr. 22, 1948.

519,819. (CLASS 52. DETERGENTS AND SOAPS.) FELS & COMPANY, Philadelphia, Pa. Original filed, act of 1946, Principal Register, May 11, 1948; amended to application, Supplemental Register, Sept. 15, 1949, Serial No. 556,789.

THE
GOLDEN BAR
WITH THE CLEAN NAPTHA ODOR

FOR SOAP.
Claims use since 1928.

519,820. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RICHARD G. KRUEGER, INCORPORATED, New York, N. Y. Original filed, act of 1946, Principal Register, May 12, 1948; amended to application, Supplemental Register, Oct. 25, 1949, Serial No. 556,896.

BUTTON BUNNY

Applicant claims ownership of Registrations Nos. 405,154 and 420,176.
FOR STUFFED TOY ANIMALS.
Claims use since Jan. 16, 1945.

519,821. (CLASS 39. CLOTHING.) THE STROUSE, ADLER COMPANY, New Haven, Conn. Filed May 14, 1948, Serial No. 557,086.

Slimlook

FOR WOMEN'S FOUNDATION GARMENTS.
Claims use since Jan. 28, 1920.

519,822. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) RESEARCH LABORATORIES, INC., Portland, Oreg. Original filed, act of 1946, Principal Register, May 21, 1948; amended to application, Supplemental Register, Apr. 26, 1949, Serial No. 557,559.

VIM-OIL
A
Vitamin Containing Oil
GOOD
In the Treatment of ARTHRITIS by
MASSAGE

The drawing is lined for silver, red, and blue.
FOR PHARMACEUTICAL PREPARATION USED FOR MASSAGING PURPOSES.
Claims use since Feb. 12, 1947.

519,823. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MARK A. SWARTZ, doing business as Atlantic Fabrics Co., Boston, Mass. Original filed, act of 1946, Principal Register, May 28, 1948; amended to application, Supplemental Register, Nov. 2, 1949, Serial No. 558,080.

SUPER-STAY

FOR FIBROUS MATERIAL IN THE FORM OF SHEETS OR ROLLS, NATURAL OR COLORED, CONSISTING OF VEGETABLE FIBERS IMPREGNATED WITH SYNTHETIC RUBBER USED BY SHOE MANUFACTURERS TO REENFORCE FIBERS AND TO INCREASE THE STRENGTH OF STITCHING AND RESISTANCE TO TEARING BY LAMINATION TO WOVEN AND UNWOVEN FABRICS.
Claims use since Apr. 29, 1948.

519,824. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Original filed, act of 1946, Principal Register, June 2, 1948; amended to application, Supplemental Register, Oct. 17, 1949, Serial No. 558,279.

Ku-Bumpers

FOR BILLIARD CUE PROTECTORS.
Claims use since June 1, 1946.

519,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT EHLERS, INC., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, July 3, 1948; amended to application, Supplemental Register, Aug. 18, 1949, Serial No. 560,689.



The drawing is lined to show the colors red, blue and gold. Applicant claims ownership of Registrations Nos. 117,428 and 368,695.
FOR COFFEE.
Claims use since June 15, 1917.

519,826. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) LO-CALORY FOOD CORPORATION, New York, N. Y. Original filed, act of 1946, Principal Register, July 12, 1948; amended to application, Supplemental Register, Aug. 12, 1949, Serial No. 561,204.

LO-CALORY

FOR PREPARATION FOR THE RELIEF OF ALLERGY DISTRESS DUE TO VITAMIN C DEFICIENCY.
Claims use since June 8, 1948.

519,827. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) COTY, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 17, 1948; amended to application, Supplemental Register, July 14, 1949, Serial No. 564,228.

AMBER LITE

FOR LIPSTICKS.
Claims use since Nov. 26, 1947.

519,828. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. RICHTER, doing business as W. H. Richter & Co., Peoria, Ill. Original filed, act of 1946, Principal Register, Sept. 2, 1948; amended to application, Supplemental Register, Oct. 7, 1949, Serial No. 564,583.

Richter's

FOR LINIMENT.
Claims use since May 1, 1948.

519,829. (CLASS 32. FURNITURE AND UPHOLSTERY.) GERSTEN BROS., INC., New York, N. Y. Filed Sept. 4, 1948, Serial No. 564,722.

Redi-Bilt

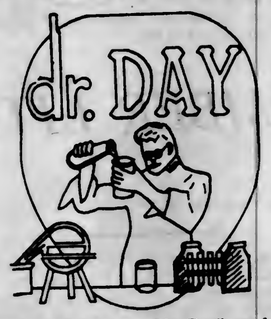
FOR WARDROBES, CABINETS, CLOSETS, AND CHESTS MADE OF FIBRE BOARD, CORRUGATED BOARD AND THE LIKE, WITH AND WITHOUT WOOD TRIM; SAID ARTICLES BEING USED FOR THE STORAGE OF CLOTHES, FURS, LINENS, BLANKETS, HATS, SHOES, AND THE LIKE.
Claims use since May 17, 1947.

519,830. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HARTMANN COMPANY, Racine, Wis. Original filed, act of 1946, Principal Register, Sept. 16, 1948; amended to application, Supplemental Register, Oct. 20, 1949, Serial No. 565,264.

PLYMOLD

FOR HAND LUGGAGE CASES EQUIPPED WITH GARMENT CARRYING FIXTURES, OVERNITE CASES, HAT AND SHOE CASES, TRAIN CASES, PULLMAN CASES AND UTILITY CASES.
Claims use since Sept. 9, 1948.

519,831. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) HAPPY DAY COMPANY, INC., Lafayette, La. Filed July 26, 1948, Serial No. 565,521.



The portrait and the name "dr. Day" are fanciful. Applicant claims ownership of Registration No. 432,325.
FOR ROOT BEER CONCENTRATE.
Claims use since July 28, 1944.

519,832. (CLASS 39. CLOTHING.) THE H. K. MANUFACTURING CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 24, 1948; amended to application, Supplemental Register, Oct. 12, 1949, Serial No. 565,777.

Stylegirl

FOR LADIES' SLIPS, PANTIES, NIGHTGOWNS, AND PAJAMAS.
Claims use since June 5, 1948.

519,833. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) ROLAND D. CHAPMAN, Laguna Beach, Calif. Original filed, act of 1946, Principal Register, Nov. 1, 1948; amended to application, Supplemental Register, Sept. 26, 1949, Serial No. 567,829.

CHAPMAN'S

FOR HERB TONIC.
Claims use since Jan. 16, 1948.

519,834. (CLASS 39. CLOTHING.) BELKNAP MILLS CORPORATION, Laconia, N. H. Filed Oct. 29, 1948, Serial No. 567,847.

Belknap
GRIP SMOOTH

FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since Apr. 18, 1947.

519,835. (CLASS 48. MALT BEVERAGES AND LIQUORS.) A. GETTELMAN BREWING COMPANY, Milwaukee, Wis. Original filed, act of 1946, Principal Register, Nov. 16, 1948; amended to application, Supplemental Register, Nov. 7, 1949, Serial No. 568,843.

BASKET-O'BEER

FOR BEER.
Claims use since Oct. 15, 1948.

519,836. (CLASS 38. PRINTS AND PUBLICATIONS.) AHRENS PUBLISHING COMPANY, INC., New York, N. Y. Filed Sept. 30, 1948, Serial No. 569,927.

MOTOR COURT MANAGEMENT

Applicant claims ownership of Registration No. 403,009.
FOR SECTION OF A MAGAZINE WHICH IS ALSO ISSUED IN PERIODICAL FORM.
Claims use since August 1948.

519,837. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 14, 1948; amended to application, Supplemental Register, Oct. 5, 1949, Serial No. 570,467.

MOISTURE OIL

FOR ASTRINGENT OILS.
Claims use since Aug. 18, 1947.

519,838. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITEMAN FOOD PRODUCTS COMPANY, Philadelphia, Pa. Filed Dec. 20, 1948. Serial No. 570,934.

WHITEMAN'S

Applicant claims ownership of Registration No. 510,871.
FOR SWEET PRESERVED CAULIFLOWER, CHOW RELISH, CHOW CHOW, CUCUMBER SLICES, HOT DOG SPREAD, MAYONNAISE, SOUR ONIONS, COCKTAIL ONIONS, SWEET GHERKINS, IMPORTED STYLE DILL PICKLES, KOSHER STYLE DILL PICKLES, SOUR MIXED PICKLES, PRESERVED BANANA PEPPERS, PRESERVED CHEESE PEPPERS, HOT CHERRY PEPPERS, SWEET PEPPERS, AND PRESERVED FINGER PEPPERS.
Claims use since Apr. 26, 1945.

519,839. (CLASS 15. OILS AND GREASES.) FRUIT LABORATORIES, INC., Jacksonville, Fla. Filed Feb. 15, 1949, Serial No. 573,874.

E-Z-OPEN

Applicant claims ownership of Registration No. 426,228.
FOR MOISTURE RESISTING FURNITURE LUBRICANT AND DRESSING TO BE APPLIED TO WINDOWS, DRAWERS AND THE LIKE TO PROVIDE A POLISHED FRICTION-RESISTANT SURFACE THEREON.
Claims use since June 12, 1941.

Service Marks

519,840. (CLASS 101. ADVERTISING AND BUSINESS.) PRODUCTION MANAGEMENT ENGINEERING ASSOCIATES, INC., San Francisco, Calif. Original filed, act of 1946, Principal Register, Aug. 18, 1947; amended to application, Supplemental Register, Jan. 12, 1949, Serial No. 581,715.



FOR ADVISING BUSINESS ORGANIZATIONS IN REGARD TO PERSONNEL MANAGEMENT, AND INSTALLING SYSTEMS FOR PROMOTING BETTER RELATIONS BETWEEN PERSONNEL AND MANAGEMENT IN BUSINESS ORGANIZATIONS.
Claims use since February 1947.

TRADE-MARK REGISTRATIONS RENEWED

34,161. SMOOTH-ON. Registered Feb. 6, 1900. Smooth-On Manufacturing Company, Jersey City, N. J., a corporation of New Jersey. Re-renewed Feb. 6, 1950. AN IRON COMPOUND IN THE FORM OF A DRY POWDER, ETC. Class 12.

74,564. SHASTA. Registered July 20, 1909. Mt. Shasta Mineral Spring Co. Re-renewed July 20, 1949, to The Shasta Water Company, San Francisco, Calif., a corporation of Delaware. NATURAL MINERAL WATER. Class 45.

75,706. REPRESENTATION OF BASEBALL. Registered Nov. 2, 1909. New England Confectionery Co., Portland, Maine, and Boston, Mass. Re-renewed Nov. 2, 1949, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. CANDY LOZENGES. Class 46.

75,770. TODCO. Registered Nov. 16, 1909. The Owl Drug Co., San Francisco, Calif. Re-renewed Nov. 16, 1949, to The Owl Drug Co., Los Angeles, Calif., a corporation of Nevada. SALVES, LOTIONS, FACE-CREAMS, AND POISON-OAK REMEDIES, FINGER-NAIL GLOSS, AND MANGE REMEDIES. Class 51.

76,187. SQUIRREL BRAND. Registered Dec. 21, 1909. The Squirrel Brand Company. Re-renewed Dec. 21, 1949, to The Squirrel Brand Co., Cambridge, Mass., a corporation of Massachusetts. CRACKED NUTS, NUT-MEATS, AND SALTED NUTS, ETC. Class 46.

76,425. "COLEMAN FLAG" ETC. AND DRAWING. Registered Jan. 18, 1910. Alaska Packers Association, San Francisco, Calif., a corporation of California. Re-renewed Jan. 18, 1950. CANNED SALMON. Class 46.

76,681. COX'S. Registered Feb. 8, 1910. The Cox Gelatine Company, New York, N. Y., a corporation of New York. Re-renewed Feb. 8, 1950. GELATIN. Class 46.

76,824. "T" AND DESIGN. Registered Feb. 15, 1910. William H. Teas, Ridgeway, Pa. Re-renewed Feb. 15, 1950, to Keystone Tanning and Glue Company, New York, N. Y., a corporation of Delaware. HIDE POWDER CONSISTING OF GROUND HIDE USED AS A REAGENT BY CHEMICAL LABORATORIES FOR THE DETERMINATION OF TANNIC ACID. Class 6.

77,115. "RELIANCE." Registered Mar. 8, 1910. The Albemarle Paper Manufacturing Company, Richmond, Va., a corporation of Virginia. Re-renewed Mar. 8, 1950. BLOTTING-PAPER. Class 37.

147,474. ANTHROLIC ACID. Registered Oct. 18, 1921. Arkansas Distributing Co., New York, N. Y. Renewed Jan. 5, 1948 (Supplemental Register), to Arkansas Co. Inc., Newark, N. J., a corporation of New York. FIXING AND DEVELOPING ACID. Class 6.

258,447. "MARKWELL TAXWEL EVERYWHERE 176 CHEMISET" AND DESIGN. Registered July 9, 1929. Markwell Mfg. Co., Inc., New York, N. Y., a corporation of New York. Renewed July 9, 1949. METAL EYELETS AND WASHERS, HAMPER HOOKS, STENCIL AND MARKING POTS, ETC. Class 13.

258,548. "SHASTA" AND DESIGN LINED FOR BLUE. Registered July 9, 1929. The Shasta Water Company, San Francisco, Calif., a corporation of Delaware. Renewed July 9, 1949. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND WATER. Class 45.

258,699. ASHTONE. Registered July 16, 1929. Bloomington Limestone Company. Renewed July 16, 1949, to Bloomington Limestone Corporation, Bloomington, Ind., a corporation of Indiana. BUILDING BLOCKS, MORE PARTICULARLY FOR FACINGS OF STONE. Class 12.

259,305. "NAPA SUEDE" AND DRAWING. Registered July 30, 1929. The National Glove Company, Columbus, Ohio, a corporation of Ohio. Renewed July 30, 1949. GLOVES CONSTRUCTED OF LEATHER, FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. Class 39.

259,566. NU TREND. Registered July 30, 1929. The NuBone Company, Inc., Erie, Pa., a corporation of Pennsylvania. Renewed July 30, 1949. CORSETS. Class 39.

259,655. GREENWOOD. Registered Aug. 6, 1929. The Sears & Nichols Corporation, doing business as J. T. Polk Co., Chillicothe, Ohio. Renewed Aug. 6, 1949, to Ladoga Canning Company, Indianapolis, Ind., a corporation of Indiana. CANNED VEGETABLES. Class 46.

260,145. "NAPA GOAT" AND DRAWING. Registered Aug. 20, 1929. The National Glove Company, Columbus, Ohio, a corporation of Ohio. Renewed Aug. 20, 1949. GLOVES CONSTRUCTED OF LEATHER, FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. Class 39.

262,167. GYROL. Registered Oct. 1, 1929. Gyro Process Company, Detroit, Mich., a corporation of Michigan. Renewed Oct. 1, 1949. HYDROCARBON MOTOR-FUEL OILS, GASOLINE, AND LUBRICATING OILS AND GREASES. Class 15.

262,378. "KROLL KAB" AND DESIGN LINED FOR BLACK AND GOLD. Registered Oct. 8, 1929. Kroll Brothers Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 8, 1949. BABY CARRIAGES, STROLLERS, GOCARTS, ENGLISH COACHES, AND CHARIOTS. Class 19.

262,428. "TO YOUR VERY GOOD HEALTH" AND DESIGN. Registered Oct. 8, 1929. The Shasta Water Company, San Francisco, Calif., a corporation of Delaware. Renewed Oct. 8, 1949. NONALCOHOLIC, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND WATER. Class 45.

262,635. QUIX-A-WINK. Registered Oct. 15, 1929. Federal Mill & Elevator Co., Inc. Renewed Oct. 15, 1949, to Federal Mill, Inc., Lockport, N. Y., a corporation of New York. WHEAT FLOUR. Class 46.

262,750. NIOBE. Registered Oct. 22, 1929. Meyer & Studell, Société Anonyme, Soleure, Switzerland, a corporation organized under the laws of Switzerland. Renewed Oct. 22, 1949. CLOCKS, PARTS OF CLOCKS, CLOCKWORKS, WATCHES, PARTS OF WATCHES, AND WATCHWORKS. Class 27.

262,849. CIRCULAR DESIGN. Registered Oct. 29, 1929. Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik, Glockengasse No. "4711" gegenüber der pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Oct. 29, 1949. SOAPS, TOILET SOAP, SHAVING SOAP, GLYCERINE SOAPS, BATH SOAP, CREAM SOAP, LIQUID GLYCERINE SOAP, AND SILVER CLEANING SOAP. Class 51.

263,436. "T.S.B." AND PORTRAIT. Registered Nov. 5, 1929. T. S. Burns & Boys Co., Incorporated, Buffalo, N. Y., a corporation of New York. Renewed Nov. 5, 1949. LAXATIVE. Class 18.

263,594. RI-BEST-O. Registered Nov. 5, 1929. Federal Mill & Elevator Co., Inc. Renewed Nov. 5, 1949, to Federal Mill, Inc., Lockport, N. Y., a corporation of New York. BLENDED WHEAT AND RYE FLOUR. Class 46.

263,891. "ESSENKAY" ETC. AND DESIGN. Registered Nov. 12, 1929. Sommer & Kaufmann, Inc. Renewed Nov. 12, 1949, to Sommer & Kaufmann, San Francisco, Calif., a corporation of California. FOOTWEAR—NAMELY, SHOES OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF THOSE MATERIALS. Class 39.

263,952. SUN TAN. Registered Nov. 12, 1929. New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Nov. 12, 1949. CANDY. Class 46.

264,317. HAMRTWIST. Registered Nov. 26, 1929. Star Expansion Bolt Company, New York, N. Y., a corporation of Delaware. Renewed Nov. 26, 1949. MASONRY DRILLS. Class 23.

264,402. THE N.B.C. Registered Nov. 26, 1929. National Biscuit Company, New York, N. Y., a corporation of New Jersey. Renewed Nov. 26, 1949. HOUSE PUBLICATION. Class 38.

264,644. ASBESTOCEL. Registered Dec. 3, 1929. Johns-Manville Corporation, New York, N. Y., a corporation of New York. Renewed Dec. 3, 1949. ASBESTOS CELLULAR PIPE AND BOILER COVERING AND ASBESTOS CEMENT. Class 12.

265,028. SPARTAN. Registered Dec. 10, 1929. Walter G. Noack, Oakland, Calif. Renewed Dec. 10, 1949, to Walter G. Noack & Son, Inc., Stockton, Calif., a corporation of California. IRRIGATION PUMPS, PUMPING SYSTEMS, AND WATER-PRESSURE SYSTEMS, COMPRISING PRIME MOVERS, PUMPS, TANKS, AND PIPING, WITH SUITABLE VALVES. Class 23.

265,067. DUTCH MAID. Registered Dec. 17, 1929. Anthony Taccetta, doing business as Quality Wafer & Specialty Co., New York, N. Y. Renewed Dec. 17, 1949, to Federal Sweets & Biscuit Co., Inc., Clifton, N. J., a corporation of New York. SUGAR WAFERS. Class 46.

265,684. PARALUBE. Registered Jan. 7, 1930. General Petroleum Corporation of California. Renewed Jan. 7, 1950, to General Petroleum Corporation, Los Angeles, Calif., a corporation of Delaware. LUBRICATING OILS. Class 15.

265,854. REPRESENTATION OF GEOMETRICAL FIGURE. Registered Jan. 7, 1930. General Petroleum Corporation of California. Renewed Jan. 7, 1950, to General Petroleum Corporation, Los Angeles, Calif., a corporation of Delaware. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS FOR ILLUMINATING, HEATING, ETC. Class 15.

265,855. GEOMETRICAL DESIGN. Registered Jan. 7, 1930. General Petroleum Corporation of California. Renewed Jan. 7, 1950, to General Petroleum Corporation, Los Angeles, Calif., a corporation of Delaware. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS FOR ILLUMINATING, HEATING, ETC. Class 15.

266,081. "GENERAL" ETC. AND DESIGN. Registered Jan. 14, 1930. General Petroleum Corporation of California. Renewed Jan. 14, 1950, to General Petroleum Corporation, of Los Angeles, Calif., a corporation of Delaware. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS FOR ILLUMINATING, ETC. Class 15.

266,569. INDIA RUBBER & TIRE REVIEW. Registered Jan. 28, 1930. The India Rubber Review Company, Akron, Ohio, a corporation of Ohio. Renewed Jan. 28, 1950. PERIODICALS. Class 38.

266,690. ACE. Registered Jan. 28, 1930. Simmons Company, New York, N. Y., a corporation of Delaware. Renewed Jan. 28, 1950. BOX SPRINGS. Class 32.

266,920. "LUCHADOR" ETC. AND DESIGN. Registered Feb. 11, 1930. The Collins Company, Collinsville, Conn., a corporation of Connecticut. Renewed Feb. 11, 1950. AXES, HATCHETS, ADZES, BUSH HOOKS, MACHETES, SAWS, CHISELS, KNIVES, SWORDS, ETC. Class 23.

267,216. BREEZEWEAVE. Registered Feb. 18, 1930. The Enro Shirt Company, Louisville, Ky., a corporation of Kentucky. Renewed Feb. 18, 1950. DRESS AND NEGLIGEE SHIRTS, KNITTED AND TEXTILE UNDERWEAR FOR MEN, AND PAJAMAS. Class 39.

267,373. "VALWAY CRESTLINE RUGS" AND DESIGN. Registered Feb. 18, 1930. Valway Rug Mills, Inc. Renewed Feb. 18, 1950, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia. Renewed Feb. 18, 1950. RUGS OF TEXTILE FABRIC. Class 42.

267,470. LITHCO. Registered Feb. 18, 1930. The Linen Thread Company, New York, N. Y. Renewed Feb. 18, 1950, to The Linen Thread Co., Inc., Paterson, N. J., a corporation of Delaware. MACHINE LINEN THREAD. Class 43.

267,670. UNITOG. Registered Feb. 25, 1930. The Unitog Manufacturing Company. Renewed Feb. 25, 1950, to Unitog Company, Kansas City, Mo., a corporation of Missouri. WORK AND PLAY CLOTHING—NAMELY, OVERALLS, PANTS, SERVICE SUITS, AND PLAY SUITS. Class 39.

267,903. MY OWN. Registered Mar. 4, 1930. The Janssen Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Mar. 4, 1950. CATCHUP, CHILE CON CARNE, CHILI SAUCE; CANNED BERRIES—NAMELY, BLACKBERRIES, BLUEBERRIES, ETC. Class 46.

268,132. REPRESENTATION OF PORTRAIT OF AN OLD MAN AND DESIGN. Registered Mar. 11, 1930. A. Overholt & Company. Renewed Mar. 11, 1950, to A. Overholt & Co., Inc., Broad Ford, Pa., a corporation of Delaware. WHISKEY. Class 49.

268,324. RAMCREST. Registered Mar. 11, 1930. F. C. Huyck & Sons, Albany and Rensselaer, N. Y. Renewed Mar. 11, 1950, to F. C. Huyck & Sons, Rensselaer, N. Y., a corporation of New York. BED BLANKETS OF TEXTILE FABRIC. Class 42.

268,387. "PRISCILLA BOOTT" AND DRAWING LINED FOR RED. Registered Mar. 11, 1930. Boott Mills, Lowell, Mass., a corporation of Massachusetts. Renewed Mar. 11, 1950. HAND TOWELS AND BATH TOWELS OF TEXTILE MATERIAL. Class 42.

268,457. "ARCHER" AND DESIGN. Registered Mar. 18, 1930. Bowman Hat Company, Knoxville, Tenn., a corporation of Tennessee. Renewed Mar. 18, 1950. MEN'S HATS AND CAPS. Class 39.

268,485. "TOWN CLUB HATS" AND DESIGN. Registered Mar. 18, 1930. G. W. Alexander & Co., Inc., Reading, Pa., a corporation of Pennsylvania. Renewed Mar. 18, 1950. MEN'S AND WOMEN'S FUR-FELT HATS, COMMONLY CALLED FELT HATS. Class 39.

268,608. "MISSION LEATHER" AND DRAWING. Registered Mar. 18, 1930. Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota. Renewed Mar. 18, 1950. PORTFOLIOS, POCKETBOOKS, WALLETS, KEY CASES, ALL MADE OF LEATHER. Class 3.

268,620. MALIKA. Registered Mar. 18, 1930. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Mar. 18, 1950. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Class 42.

268,631. "LAREINA DE CUBA" ETC. AND DESIGN. Registered Mar. 18, 1930. Compania Tabacalera Nacional, S. A. Renewed Mar. 18, 1950, to Por Larrañaga, Fabrica De Tabacos, S. A., Habana, Cuba, a corporation organized under the laws of the Republic of Cuba. CIGARS. Class 17.

268,710. CHICKLETS. Registered Mar. 18, 1930. Schreiber Milling & Grain Co. Renewed Mar. 18, 1950, to Schreiber Mills, Inc., St. Joseph, Mo., a corporation of Missouri. POULTRY FEED. Class 46.

268,711. NUTLETS. Registered Mar. 18, 1930. Schreiber Milling & Grain Co. Renewed Mar. 18, 1950, to Schreiber Mills, Inc., St. Joseph, Mo., a corporation of Missouri. LIVESTOCK AND POULTRY FEED. Class 46.

268,715. DRIP-O-LATOR. Registered Mar. 18, 1930. Automatic Drip-O-Lator Company, Kansas City, Mo., assignor to The Enterprise Aluminum Company. Renewed Mar. 18, 1950, to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio. APPARATUS FOR PREPARING INFUSIONS SUCH AS THOSE OF COFFEE AND TEA. Class 13.

268,818. THEATRE PRINTS. Registered Mar. 18, 1930. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Mar. 18, 1950. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Class 42.

268,827. WEARTEX. Registered Mar. 18, 1930. Victor Balata & Textile Belting Co., New York, N. Y., a corporation of Pennsylvania. Renewed Mar. 18, 1950. SOLID WOVEN BELT. Class 35.

269,034. COLGATE'S. Registered Mar. 25, 1930. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Mar. 25, 1950, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. TOILET, LAUNDRY, AND HOUSEHOLD SOAP, SOAP POWDER, SOAP CHIPS, SOAP FLAKES, SOAP PASTE, ETC. Class 51.

269,040. "BLUE STREAK" AND DESIGN. Registered Mar. 25, 1930. Manhattan Soap Company, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 25, 1950. STEEL WOOL AND SOAP USED FOR GENERAL HOUSEHOLD PURPOSES. Class 4.

269,075. REPRESENTATION OF RISING SUN, LINED FOR PURPLE, ORANGE AND YELLOW. Registered Mar. 25, 1930. Mark W. Allen & Co. Renewed Mar. 25, 1950, to Mark Allen Co., Detroit, Mich., a corporation of Michigan. SHAVING CREAM. Class 51.

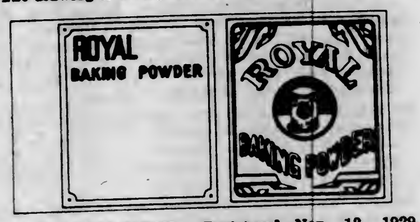
269,076. ARISTOCRAT. Registered Mar. 25, 1930. The Cooley Finishing Company. Renewed Mar. 25, 1950, to Cooley, Incorporated, Pawtucket, R. I., a corporation of Rhode Island. WATERPROOF COTTON DUCK OR SIMILAR AWNING FABRIC WITH PAINTED DESIGNS. Class 42.

269,162. L'AIGLON. Registered Mar. 25, 1930. American Writing Paper Company, Inc. Renewed Mar. 25, 1950, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware. WRITING AND PRINTING PAPER. Class 37.

269,180. OLD OVERHOLT. Registered Mar. 25, 1930. A. Overholt & Company. Renewed Mar. 25, 1950, to A. Overholt & Co., Inc., Broad Ford, Pa., a corporation of Delaware. WHISKEY. Class 49.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

78,828. "ROYAL BAKING POWDER" AND DESIGN. Registered July 12, 1910. Royal Baking Powder Company, New York, N. Y. BAKING-POWDER. Class 6. The drawing is hereby amended to appear as follows:



263,913. ESCO-SAVON. Registered Nov. 12, 1929. Mitchell Wing Company, Boston, Mass. MIXTURE OF SOAP WITH OTHER DETERGENT MATERIALS. Class 4. Corrected as follows: In the renewal certificate, line 2, for "Cowles Chemical Company, of Boston, Massachusetts" read *Cowles Chemical Company, of Cleveland, Ohio.*

278,018. XL. Registered Dec. 2, 1930. The Cleveland Heater Company, Cleveland, Ohio. GAS, OIL, AND VAPOR BURNING WATER HEATERS, HOT-WATER HEATING SYSTEMS, ETC. Class 34. Corrected as follows: In the statement, line 19, description of merchandise, for "CONNECTION TYPE" read *CONVECTION TYPE.*

509,417. VORRĂDO. Registered May 3, 1949. The O. A. Sutton Corporation, Inc. Wichita, Kans. ELECTRIC FANS FOR DOMESTIC AND COMMERCIAL USE. Class 21. The drawing is hereby amended to appear as follows:

Vornado

512,164. GLEASON. Registered July 12, 1949. Gleason Works, Rochester, N. Y. MACHINES AND APPARATUS FOR PRODUCING GEARS AND FOR GRINDING, LAPPING, AND BURNISHING GEARS, MACHINES, AND APPARATUS FOR SHARPENING AND RELIEVING GEAR CUTTING TOOLS, QUENCHING PRESSES, AND PARTS FOR THE ABOVE LISTED MACHINERY AND APPARATUS. Class 23. Corrected as follows: In the statement, column 1, line 13, description of merchandise, strike out the syllable and words "TUS FOR PRODUCING GEARS AND FOR" and insert instead *TING TOOLS, QUENCHING PRESSES, AND.*

514,259. PURE IN CIRCLE DESIGN. Registered Aug. 23, 1949. The Pure Oil Company, Chicago, Ill. AUTOMOBILE RADIATOR COOLING SYSTEM CHEMICAL CLEANER, ETC. Class 6. Corrected as follows: Column 2, line 12, in the declaration, for the word "receive" read *deceive.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

308,237. "ATLAS MILLS" AND DESIGN. Registered Nov. 28, 1933. Atlas Mills, Inc. TEXTILE FABRICS—NAMELY, PIECE GOODS OF SILK AND RAYON AND MIXTURES THEREOF. Class 42. New certificate under section 7(c) issued Jan. 10, 1950, to Atlas Fabrics Corporation, New York, N. Y., a corporation of New York.

328,509. TISHI CREPE. Registered Oct. 1, 1935. Atlas Mills, Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Jan. 10, 1950, to Atlas Fabrics Corporation, New York, N. Y., a corporation of New York.

328,510. MIRADOR CREPE. Registered Oct. 1, 1935. Atlas Mills, Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Jan. 10, 1950, to Atlas Fabrics Corporation, New York, N. Y., a corporation of New York.

328,592. SILVER FROST. Registered Oct. 1, 1935. Atlas Mills, Inc. PIECE GOODS OF SILK AND/OR RAYON. Class 42. New certificate under section 7(c) issued Jan. 10, 1950, to Atlas Fabrics Corporation, New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 2

RECEPTACLES

Reg. No. 264,197. Registered Nov. 19, 1929. GILMAN PAPER COMPANY, New York, N. Y., a corporation of New Hampshire. Republished by registrant.



FOR PAPER BAGS.
Claims use since 1918.

Reg. No. 387,036. Registered Apr. 29, 1941. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR PAPER PLATES.
Claims use since July 1, 1940.

Reg. No. 424,622. Registered Oct. 15, 1946. ERNEST H. AUGAT, Attleboro, Mass. Republished by Strut, Incorporated, Attleboro, Mass., a corporation of Massachusetts.

STRUT

FOR JEWELRY FINDINGS, AND JEWELRY MADE WHOLLY OR PARTLY OF PRECIOUS METAL—NAMELY, COLLAR BUTTONS, CUFF LINKS, COLLAR HOLDERS, TIE HOLDERS, MONEY CLIPS, PINS, BROOCHES, CLIPS, PENDANTS, BRACELETS, EARRINGS, NECKLACES, CIGARETTE CASES, AND COMPACTS.
Claims use since Dec. 3, 1945.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 252,754. Registered Feb. 12, 1929. E. L. BRUCE Co., Memphis, Tenn., a corporation of Tennessee. Republished by registrant.

BRU-CELL-IZE

FOR CHEMICAL COMPOSITION FOR IMPREGNATING WOOD, TO PROTECT IT AGAINST MOISTURE, ABSORPTION, INSECTS, DECAY, AND THE LIKE.
Claims use since January 1928.

Reg. No. 262,674. Registered Oct. 22, 1929. ALGIN PRODUCTS CORPORATION, New York, N. Y. Republished by Feedwaters, Inc., New York, N. Y., a corporation of New York.

TANGITE

FOR CHEMICALS USED FOR CLEARING SWIMMING POOLS AND THE LIKE.
Claims use since Apr. 22, 1929.

Reg. No. 439,324. Registered June 15, 1948. DARWORTH INCORPORATED, Simsbury, Conn., a corporation of Connecticut. Republished by registrant.

DARWORTH

FOR INSECTICIDES.
Claims use since June 11, 1947.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 424,622. Registered Oct. 15, 1946. ERNEST H. AUGAT, Attleboro, Mass. Republished by Strut, Incorporated, Attleboro, Mass., a corporation of Massachusetts.

STRUT

FOR JEWELRY FINDINGS, AND JEWELRY MADE WHOLLY OR PARTLY OF PRECIOUS METAL—NAMELY, COLLAR BUTTONS, CUFF LINKS, COLLAR HOLDERS, TIE HOLDERS, MONEY CLIPS, PINS, BROOCHES, CLIPS, PENDANTS, BRACELETS, EARRINGS, NECKLACES, CIGARETTE CASES, AND COMPACTS.
Claims use since Dec. 3, 1945.

CLASS 9

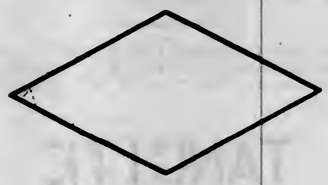
EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 95,307. Registered Feb. 10, 1914. THE DIAMOND MATCH CO., Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

HOME

FOR MATCHES.
Claims use since 1889.

Reg. No. 167,347. Registered May 1, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since 1883.

Reg. No. 167,348. Registered May 1, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

DIAMOND

FOR MATCHES.
Claims use since 1883.

Reg. No. 170,566. Registered July 17, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



The word "Matches" is disclaimed apart from the mark as shown.
FOR MATCHES.
Claims use since Mar. 22, 1921.

Reg. No. 170,617. Registered July 17, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

RED TOP

FOR MATCHES.
Claims use since 1891.

Reg. No. 170,618. Registered July 17, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

COPPERHEAD



FOR MATCHES.
Claims use since March 1913.

Reg. No. 170,619. Registered July 17, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since 1912.

Reg. No. 170,620. Registered July 17, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

BIRD'S EYE

FOR MATCHES.
Claims use since April 1905.

Reg. No. 171,974. Registered Aug. 21, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

SEARCH LIGHT

FOR MATCHES.
Claims use since as early as December 1897.

Reg. No. 171,975. Registered Aug. 21, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

SEARCH LIGHT

FOR MATCHES.
Claims use as early as December 1897.

Reg. No. 171,994. Registered Aug. 21, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

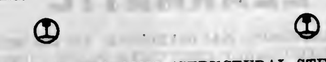
DOMINO

FOR MATCHES.
Claims use since March 1905.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 255,442. Registered Apr. 23, 1929. THE WEST VIRGINIA RAIL COMPANY, Huntington, W. Va. Republished by West Virginia Steel and Manufacturing Company, Huntington, W. Va., a corporation of West Virginia.



FOR RAIL SECTIONS (STRUCTURAL STEEL) FOR USE IN BUILDING CONSTRUCTION WORK AND ALSO FOR USE AS ROOF SUPPORTS, ETC., IN BUILDINGS.
Claims use since March 1917.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 284,211. Registered June 16, 1931. SLOAN VALVE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

STAR

FOR FLUSH VALVES.
Claims use since about Oct. 1, 1930.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 252,370. Registered Feb. 5, 1929. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Durabelum

FOR NONCORROSIVE METALS FOR ARCH SUPPORTS AND SURGICAL APPLIANCES.
Claims use since June 1, 1920.

CLASS 15

OILS AND GREASES

Reg. No. 265,786. Registered Jan. 7, 1930. LUBRAA OIL CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Lubraa-Kate YOUR MOTOR

The words "Your Motor" are disclaimed apart from the mark as shown.
FOR LUBRICATING OILS.
Claims use since May 29, 1929.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 258,163. Registered June 25, 1929. THE FLINTKOTE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

ALBIKOTE

FOR PAINTS COMPRISING LIGHT-COLORED OR PIGMENTED AQUEOUS DISPERSIONS OF MATERIAL RESEMBLING ASPHALT SUITABLE FOR USE AS A PROTECTIVE COATING AND FOR OTHER INDUSTRIAL USES.
Claims use since about Nov. 25, 1928.

Reg. No. 421,291. Registered May 28, 1946. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

RED CROWN

FOR BOWLING ALLEY SHELLAC.
Claims use since Jan. 27, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 398,987. Registered Dec. 8, 1942. LEAR AVIA, INC., Piqua, Ohio. Republished by Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois.

Learavian

FOR RADIO EQUIPMENT—NAMELY, AIRCRAFT RADIO COMMUNICATION EQUIPMENT, RADIO RECEIVERS, PORTABLE RADIOS.
Claims use since November 1939.

Reg. No. 434,738. Registered Dec. 2, 1947. LEAR, INCORPORATED, Grand Rapids, Mich., a corporation of Illinois. Republished by registrant.

Learadio

FOR RADIO RECEIVERS AND RADIO RECEIVER-PHONOGRAPH COMBINATIONS, TABLE AND CONSOLE MODELS.
Claims use since at least as early as Jan. 1, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 408,208. Registered July 25, 1944. FRED ARBOGAST, Akron, Ohio. Republished by Fred Arbogast and Company, Inc., Akron, Ohio, a corporation of Ohio.

JITTERBUG

FOR ARTIFICIAL BAIT.
Claims use since December 1938.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 386,569. Registered Apr. 15, 1941. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

HYPRO

FOR PAPER TOWEL DISPENSERS.
Claims use since Sept. 24, 1940.

Reg. No. 396,821. Registered Aug. 4, 1942. LEAR AVIA, INC., Piqua, Ohio. Republished by Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois.

FASTOP

FOR MECHANICAL DRIVING SYSTEMS—NAMELY, CLUTCHES AND MECHANICAL BRAKES AND ELECTROMECHANICAL CLUTCHES.
Claims use since December 1940.

Reg. No. 430,080. Registered June 10, 1947. LEAR AVIA, INC., Piqua, Ohio, now by change of name to Lear, Incorporated. Republished by Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois.

ROTA-BRAKE

The term "Brake" is disclaimed apart from the mark as shown.
FOR MECHANICAL DRIVING SYSTEMS—NAMELY, CLUTCHES AND MECHANICAL BRAKES AND ELECTROMECHANICAL CLUTCH AND BRAKE UNITS FOR MACHINERY OTHER THAN VEHICLES.
Claims use since October 1943.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 372,846. Registered Nov. 14, 1939. BERST-FORSTER-DIXFIELD COMPANY, Dixfield, Maine, and New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

BFD

FOR CLOTHESPINS.
Claims use since Mar. 21, 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 389,478. Registered Aug. 5, 1941. LEAR AVIA, INC., Dayton, Ohio. Republished by Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois.

LEARMATIC

FOR AIRCRAFT NAVIGATIONAL INSTRUMENTS, AND PARTICULARLY COMPOSITE RADIO COMPASS AND DIRECTIONAL COMPASS INDICATORS.
Claims use since November 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 344,763. Registered Apr. 6, 1937. PONTIAC COMPANY, Newark, N. J. Republished by Gemex Company, Union, N. J., a corporation of New Jersey.

PONTIAC

FOR CLOCKS, WATCHES, AND WATCHCASES.
Claims use since June 18, 1930.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 273,420. Registered Aug. 5, 1930. THE MARK JEWELRY CO., New York, N. Y. Republished by A. Woronock & Son, New York, N. Y., a firm.

GEMS of ENCHANTMENT

The word "Gems" is disclaimed apart from the mark as shown.
FOR FINGER RINGS, BRACELETS, AND BROACHES.
Claims use since Feb. 21, 1930.

Reg. No. 424,622. Registered Oct. 15, 1946. ERNEST H. AUGAT, Attleboro, Mass. Republished by Strut, Incorporated, Attleboro, Mass., a corporation of Massachusetts.

STRUT

FOR JEWELRY FINDINGS, AND JEWELRY MADE WHOLLY OR PARTLY OF PRECIOUS METAL—NAMELY, COLLAR BUTTONS, CUFF LINKS, COLLAR HOLDERS, TIE HOLDERS, MONEY CLIPS, PINS, BROOCHES, CLIPS, PENDANTS, BRACELETS, EARRINGS, NECKLACES, CIGARETTE CASES, AND COMPACTS.
Claims use since Dec. 3, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 295,446. Registered July 5, 1932. THE FOREST CITY FOUNDRIES COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

NiA

FOR REPAIR AND REPLACEMENT PARTS FOR HEATING, VENTILATING, AND AIR CONDITIONING STRUCTURES—NAMELY, BASES, FEED SECTIONS, GRATES, LINERS, DAMPERS, WATER PAN COVERS, GAS BURNERS, FRAMES, BLOWER SUPPORTS, BOTTOMS, HUMIDIFIERS, ASH PITS, RADIATORS, DOORS, GRATE COGS, SHAKER BARS, CASINGS, OIL BURNERS, MIXERS, BLOWER CASINGS, SIDES, FILTERS, PILOTS, NAME PLATES, FIRE POTS, RADIATOR SECTIONS, DOOR FRAMES, FRONTS, WATER PANS, MANIFOLDS, SHELLS, BLOWERS, TOPS, REGULATORS, FLUE SECTIONS, RADIATOR COVERS, DRAFT CONTROLS, AND BOOTS.
Claims use since February 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 259,578. Registered Aug. 6, 1929. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa., a corporation of Pennsylvania: Republished by registrant.



FOR HIGHBOYS, LOWBOYS, SMOKING STANDS, DESKS, BOOK TROUGHS, BRIDGE SETS, EACH CONSISTING OF ONE FOLDING CARD TABLE AND FOUR CHAIRS, SPINET DESKS, NESTS OF TABLES, MUFFIN STANDS, TELEPHONE STANDS, SEWING CABINETS, LIBRARY TABLES, TILT-TOP TABLES, FIRESIDE BENCHES, UPHOLSTERED CHAIRS, CHEVAL GLASSES, DRAW-END TABLES, VIRGINIA SOFAS, LAP DESKS, BOOKCASES, LIVING-ROOM SUITES, END TABLES, OCCASIONAL TABLES, COXWELL CHAIRS, OCCASIONAL CHAIRS, BOUDOIR CHAIRS, CHAISE LOUNGES, FOOTSTOOLS, CONSOLE TABLES, COFFEE TABLES, DAVENPORT TABLES, POST BEDS, TEA WAGONS, NIGHT TABLES, DROP-LEAF TABLES, CLOTHES TREES, BUTTERFLY TABLES, LOVE SEATS, BEDROOM BENCHES, BEDROOM CHAIRS, TABOURETTES, PEDESTALS, DAY BEDS, BUREAUS, CHIFFOROBES, CEDAR CHESTS, TOILET TABLES, VANITIES, BEDS, BREAKFAST SUITES, MIRRORS, SECRETABLES, CABINETS, BUFFETS, CHINA CLOSETS, SERVING TABLES, EXTENSION TABLES, ALL-WICKER FURNITURE, WINDSOR CHAIRS, FORMAL CHAIRS, DIVETTE SUITES, WARDROBES, BOOKRACKS, TRUNK STANDS, AND DINING-ROOM CHAIRS.
Claims use since January 1919.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 295,446. Registered July 5, 1932. THE FOREST CITY FOUNDRIES COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

NiA

FOR REPAIR AND REPLACEMENT PARTS FOR HEATING, VENTILATING, AND AIR CONDITIONING STRUCTURES—NAMELY, BASES, FEED SECTIONS, GRATES, LINERS, DAMPERS, WATER PAN COVERS, GAS BURNERS, FRAMES, BLOWER SUPPORTS, BOTTOMS, HUMIDIFIERS, ASH PITS, RADIATORS, DOORS, GRATE COGS, SHAKER BARS, CASINGS, OIL BURNERS, MIXERS, BLOWER CASINGS, SIDES, FILTERS, PILOTS, NAME PLATES, FIRE POTS, RADIATOR SECTIONS, DOOR FRAMES, FRONTS, WATER PANS, MANIFOLDS, SHELLS, BLOWERS, TOPS, REGULATORS, FLUE SECTIONS, RADIATOR COVERS, DRAFT CONTROLS, AND BOOTS.
Claims use since February 1931.

CLASS 37

PAPER AND STATIONERY

Reg. No. 99,068. Registered Aug. 11, 1914. STANDARD PAPER COMPANY, Indianapolis, Ind. Republished by Standard Paper Company (1930), Indianapolis, Ind., a corporation of Indiana.



FOR TOILET PAPER.
Claims use since Oct. 1, 1912.

Reg. No. 265,889. Registered Jan. 7, 1930. GOTHAM TISSUE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address, Salem, N. Y.



FOR TOILET PAPER AND PAPER FACIAL TISSUES.
Claims use since Mar. 1, 1922.

Reg. No. 265,890. Registered Jan. 7, 1930. GOTHAM TISSUE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address Salem, N. Y.



FOR TOILET PAPER AND PAPER FACIAL TISSUES.
Claims use since Oct. 11, 1925.

Reg. No. 265,891. Registered Jan. 7, 1930. GOTHAM TISSUE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address, Salem, N. Y.



FOR TOILET PAPER AND PAPER FACIAL TISSUES.
Claims use since May 20, 1920.

Reg. No. 386,789. Registered Apr. 22, 1941. KIMBERLY-CLARK CORPORATION, Neenah, Wis., a corporation of Delaware. Republished by registrant.

LUMIFECT

FOR BOOK PAPER.
Claims use since Nov. 14, 1940.

Reg. No. 386,802. Registered Apr. 22, 1941. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

HYPRO

FOR PAPER TOWELS.
Claims use since Sept. 24, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 235,585. Registered Nov. 22, 1927. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

ALTMAN MAGAZINE

FOR MAGAZINE.
Claims use since Apr. 14, 1926.

CLASS 39

CLOTHING

Reg. No. 261,775. Registered Sept. 24, 1929. HATCH FULL FASHIONED HOSIERY Co., Belmont, N. C., a corporation of North Carolina. Republished by registrant.

SENIOR CLASS

FOR HOSIERY.
Claims use since Mar. 30, 1929.

Reg. No. 349,054. Registered Aug. 17, 1937. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S AND BOYS' OUTER SUITS AND OVERCOATS.
Claims use since Mar. 16, 1937.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 263,744. Registered Nov. 12, 1929. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.



The words "Bank pins" and the representation of the pin are disclaimed apart from the mark as shown.
FOR COMMON PINS.
Claims use since 1922.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 344,361. Registered Mar. 23, 1937. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Eclipse

FOR BILLIARD CLOTH.
Claims use since 1915.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 263,821. Registered Nov. 12, 1929. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y. Republished by Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware.



FOR DENTAL APPLIANCES—NAMELY, DENTAL CHAIRS AND ELECTRIC MOTORS BUILT IN AND ASSOCIATED WITH DENTAL CHAIRS FOR OPERATING THE SAME.
Claims use since Mar. 31, 1928.

Reg. No. 263,822. Registered Nov. 12, 1929. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y. Republished by Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware.



FOR DENTAL APPLIANCES—NAMELY, DENTAL CHAIRS AND ELECTRIC MOTORS BUILT IN AND ASSOCIATED WITH DENTAL CHAIRS FOR OPERATING THE SAME.
Claims use since Mar. 31, 1928.

Reg. No. 365,465. Registered Mar. 7, 1939. BERST-FORSTER-DIXFIELD COMPANY, Dixfield, Maine, and New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR SANITARY TONGUE BLADES.
Claims use since July 14, 1938.

Reg. No. 372,522. Registered Oct. 31, 1939. BERST-FORSTER-DIXFIELD COMPANY, Dixfield, Maine, and New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR TOOTHPICKS AND WOOD APPLICATORS.
Claims use since May 9, 1939.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 250,097. Registered Nov. 27, 1928. THE MCCLINTOCK-TRUNKEY CO., Spokane, Wash., a corporation of Washington. Republished by registrant.

JUNO BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED TUNA FISH, BUTTER, COFFEE, CANNED CLAMS, SARDINES, CANNED LOBSTERS, CANNED SHRIMP, FOOD-FLAVORING EXTRACTS, ROLLED OATS, CORNFLAKES, CANNED PRUNES, MINCEMEAT, OLIVES, CATSUP, VINEGAR, SUGAR, RICE, HONEY, JELLY, FRUIT PRESERVES, MARMALADE, CONSERVE, CANNED FIGS, CANNED PIMIENTOS, SANDWICH FILLER COMPOSED OF PICKLES, MAYONNAISE DRESSING AND PIMIENTOS, MAYONNAISE, THOUSAND ISLAND DRESSING, PREPARED MUSTARD, SWEET RELISH, PICKLES, PEANUT BUTTER, CHEESE, AND SALAD MUSTARD.
Claims use since 1904.

Reg. No. 265,060. Registered Dec. 17, 1929. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.

ROVER

FOR RICE.
Claims use since Aug. 12, 1929.

Reg. No. 265,093. Registered Dec. 17, 1929. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.

RIVER
ROVER

FOR RICE.
Claims use since Aug. 12, 1929.

Reg. No. 323,086. Registered Apr. 2, 1935. C. B. RUMBLE & SONS, Salida, Calif. Republished by C. B. Rumble & Sons (1949), Salida, Calif., a firm.

REX

FOR FRESH DECIDUOUS FRUITS, PARTICULARLY PEACHES, AND APRICOTS AND ALL VARIETIES OF MELONS, PARTICULARLY PERSIAN MELONS, AND FRESH POTATOES AND ONIONS IN THEIR NATURAL STATE.
Claims use since August 1918.

CLASS 47

WINES

Reg. No. 309,502. Registered Jan. 16, 1934. L. GANDOLFI & Co., INC., New York, N. Y. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.

MONTECRISTO

FOR WINES.
Claims use since Aug. 1, 1892.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 380,477. Registered Aug. 20, 1940. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

BFD

FOR FLORAL STICKS.
Claims use since Dec. 20, 1939.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 261,551. Registered Sept. 17, 1929. HENRI BENDEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MA
VIOLETTE

The word "Violette" is disclaimed apart from the mark as shown.
FOR PERFUMES, BATH SALTS, TOILET WATER, FACE POWDERS, LIP STICKS, FACE LOTIONS.
Claims use since Mar. 1, 1927.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 264,589. Registered Nov. 26, 1929. WRIGHT, LAYMAN & UMNEY, LIMITED, London, England. Republished by Wright, Layman & Umney Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland.

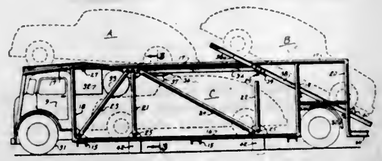
SAPO CARBONIS
WRIGHT'S
COAL TAR SOAP
DETERGENS

All the wording except the word "Wright's" is disclaimed apart from the mark as shown.
FOR PERFUMED SOAP.
Claims use since the year 1909.

REISSUES

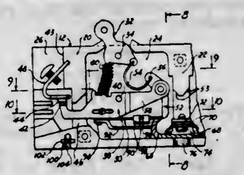
JANUARY 10, 1950

23,187
AUTOMOBILE TRANSPORTING TRUCK
Edward V. Garnett, Denver, Colo.
Original No. 2,454,554, dated November 23, 1948, Serial No. 686,749, July 27, 1946. Application for reissue July 1, 1949, Serial No. 102,649
5 Claims. (Cl. 296—1)



6. An automobile transport truck for carrying three full size automobiles within an overall length substantially less than twice the length of an average full size automobile, said truck comprising: front and back wheels; a body having a main portion between the front and back wheels with its bottom extending substantially horizontally lengthwise of the truck and at a low level adjacent to the level of the wheel axes, and having a rear portion over the back wheels; an engine and driver's cab portion in front of the body at the extreme front end of the truck over the front wheels with the cab above the engine; a bottom automobile supporting structure in the bottom of the main body portion for supporting an automobile in a substantially horizontal position lengthwise of the truck and at a low level adjacent to the level of the wheel axes and substantially filling the main body portion with its forward end closely adjacent to the front wheels and its rear end closely adjacent to the back wheels; an upper substantially horizontal automobile supporting structure mounted on the forepart of the body portion lengthwise of the truck with its front end portion extending forwardly over the driver's cab and the front wheels thereunder, and its rear portion overlying but spaced above said bottom automobile supporting structure a distance to accommodate the underlying portion of an automobile on said bottom automobile supporting structure; and an inclined automobile supporting structure mounted on the rear portion of the body over the rear of said bottom automobile supporting structure and the back wheels, in a position of relatively steep downward and rearward incline with the lower end thereof terminating adjacent to the rear of the truck and the level of the bottom automobile supporting structure, and the upper portion of said inclined supporting structure extending upwardly a distance above the level of the rear of said upper automobile supporting structure to enable an automobile to be supported on the inclined supporting structure in an inclined attitude with its forward end overlapping the rearward end of an automobile on said upper automobile supporting structure.

23,188
CIRCUIT BREAKER
Harold Albert Humpage, Bloomfield, N. J., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J., a corporation
Original No. 2,459,427, dated January 18, 1949, Serial No. 595,556, May 24, 1945. Application for reissue June 17, 1949, Serial No. 99,813
9 Claims. (Cl. 200—88)

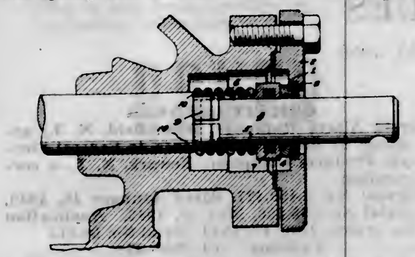


3. In a circuit breaker mechanism comprising a movable contact member, manually operable actuating means, and a thermal-current responsive flexible strip bodily carried by and movable with said contact member and operable to latch said actuating means to the contact member and to unlatch the same by deflection of the strip, the combination with said flexible strip of electromagnetic means including a magnetic member mounted on said strip and movable therewith and an armature bodily movable with said contact member and said strip and disposed in spaced relation to said magnetic member, whereby the latter is magnetically attracted to said armature and deflects said strip to unlatch said actuating means when said electro-magnetic means is energized to a predetermined amount, said strip having lateral projections at its opposite edges, respectively, and said magnetic member straddling said strip and having opposed sides provided with openings into which said projections, respectively, extend for mounting said magnetic member on said strip.

23,189
MECHANICAL SEAL
Frederick Benjamin Porges, Manchester, England, assignor to Flexibox Limited, Manchester, England, a British company
Original No. 2,455,700, dated December 7, 1948, Serial No. 719,153, December 30, 1946. Application for reissue June 15, 1949, Serial No. 99,238. In Great Britain November 22, 1946
7 Claims. (Cl. 286—11.15)

1. A mechanical seal for making a fluidtight joint between a revolving member and a stationary surface comprising, in combination, a coil spring around the revolving member, a rotary seal ring around the revolving member, a stationary surface against which the rotary seal ring bears under the pressure of said spring, characterized in, that one end of the spring has an interference fit with a part of the revolving member and the other end an interference fit with a part of the rotary seal ring, the convolutions of the spring being of such hand with respect to the direction of rotation that any tendency of the rotary seal ring to turn relatively to the revolving member causes the spring to more tightly grip the parts which have interference

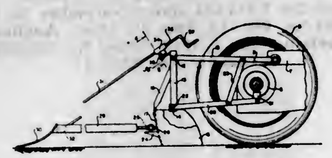
fits with its ends and resist such tendency, the coil spring and interference fits constituting [a



sole] means for causing the seal ring to turn with the revolving member.

23,190
LAND LEVELER
Fred T. Smith, Golden, Colo.
Original No. 2,428,857, dated October 14, 1947, Serial No. 661,660, April 12, 1946. Application for reissue April 2, 1948, Serial No. 21,735
6 Claims. (Cl. 37—153)

3. A land leveling implement for attachment to a tractor and the like having front and rear wheels and vertically spaced rearwardly projecting arms pivotally secured to the tractor for movement in a vertical plane, said implement including a scraper blade having a rigid, upwardly projecting first member fixed thereto, means for pivotally securing the rearwardly projecting arms to said scraper blade and first member at verti-



cally spaced points for freely floating movement in a generally vertical plane, a gauge member, a rigid, generally horizontal elongated tongue connecting the gauge member and the scraper blade, and a rigid, forwardly and upwardly extending second member connecting the gauge member and said first member.

PLANT PATENTS

GRANTED JANUARY 10, 1950

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

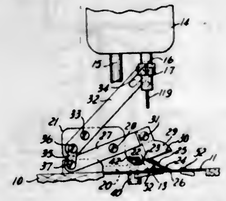
912
ROSE PLANT
Conrad Hartgerink, West Los Angeles, Calif., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application October 27, 1948, Serial No. 56,815
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant originating as a sport of "starlite," characterized as to novelty by the smaller size and greater prolificacy of production of the blooms than found in its parent variety; by the lesser number of petals and better opening characteristic of the blooms than said parent; and by the further differences in the form of the thorns and coloring of both the young and old foliage, substantially as shown and described.

PATENTS

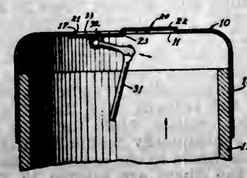
GRANTED JANUARY 10, 1950

2,493,735
EDGE CUTTER ATTACHMENT FOR SEWING MACHINES
Antonio Alifano, Brooklyn, and Nicholas M. Porreca, Woodside, N. Y.
Application March 13, 1946, Serial No. 654,142
2 Claims. (Cl. 164—17.5)



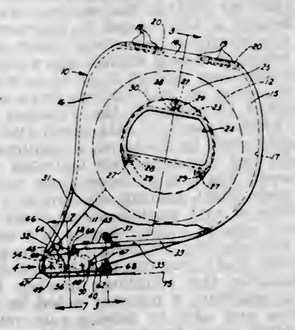
1. An attachment for, and adapted to be used in combination with, a sewing machine having a vertical foot bar and a reciprocating needle bar depending from the head of the machine, comprising a base plate adapted to be mounted on the feed cover plate of the machine spaced from and inward with respect to the vertical plane through said bars, said plate having an enlarged forward end, having the upper surface thereof sloping downward in a forward direction, that vertical edge of said plate nearer said plane lying in a plane parallel with said first plane, a blade mounted on said sloping surface having one edge thereof projecting beyond said vertical edge of said plate and parallel therewith, said blade edge providing a cutting edge, said base plate having an upright extension plate integral therewith rearward of said enlarged forward end, a lever pivoted to said upright plate, a cutter having an arm extending integrally therefrom at right angles to the cutting edge thereof, releasable means securing said cutter arm to the forward end of said lever at right angles to said lever, on the forward end thereof in scissors-like interrelationship with said blade edge, and means connecting the rearward end of said lever with said needle bar for actuating said cutter in scissors-like motion with respect to said blade edge upon reciprocation of said needle bar, and means for securing said base plate against said cover plate.

2,493,736
SHAFTLESS BUTTERFLY VALVE
Clyde A. Brown, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application April 5, 1946, Serial No. 659,744
10 Claims. (Cl. 251—11)



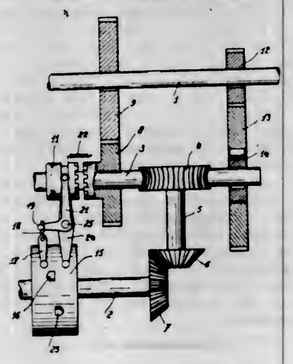
5. In a valve assembly including a supporting plate-like portion having a valve opening defined by an edge diametrically opposite portions of which are provided with aligned slots and a shaftless valve comprising laterally offset wing portions joined by an intermediate section at an angle to the planes of said portions and in a plane passing through said slots, said wing portions being slotted at the opposite ends of said intermediate section for insertion in the slots of said plate and having ears at the diametrically opposite ends of said intermediate section for holding said intermediate section in pivotal aligned contact with said valve edge adjacent its opposite slots, said wing portions together being of an over-all size larger than said opening with one offset wing portion engaging substantially a half of said opening on one side of the supporting portion and with the other wing portion engaging the remaining half of the edge of the valve opening on the opposite side of the portion so that said valve when in closed position completely laps all of the edge of said opening to close the same.

2,493,737
DEVICE FOR APPLYING ADHESIVE TAPE
Bruce Burns, Los Angeles, Calif.
Application July 2, 1946, Serial No. 681,097
14 Claims. (Cl. 216—29)



8. A device for applying adhesive tape to a surface, including: a hollow casing provided with an opening; means for rotatably supporting a roll of tape within said casing to adapt the tape to be unwound from said roll, the end of said tape passing outwardly through said opening; a roller rotatable on said casing adjacent said opening over which said tape is adapted to pass to said surface, the said roller having peripheral flanges at its ends adapted to engage and press only the edges of said tape against said surface when the device is moved along said surface; and tape severing means pivoted on said casing and adapted to be pivoted in response to tilting movement of said casing with respect to said surface, said severing means being adapted upon relative pivotal movement between said severing means and said casing in one direction to sever the length of tape applied to said surface from the remainder of said tape on said roll.

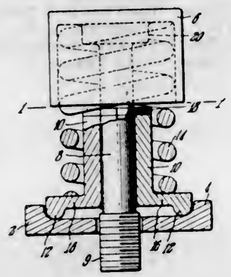
2,493,738
TWO-SPEED DRIVE FOR LATHE CAMSHAFTS
Georges Emile Cuttat, Geneva, Switzerland, assignor to Manufacture De Machines Du Haut-Rhin, Haut-Rhin, France, a company of France
Application December 28, 1946, Serial No. 719,090
In France November 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 7, 1964
1 Claim. (Cl. 74—368)



A device for temporarily obtaining in an automatic lathe with an auxiliary shaft an increased velocity of the main shaft comprising a driving auxiliary shaft rotating at a constant speed, an intermediary shaft carrying an endless screw, gearing adapted to transmit the rotation of said auxiliary driving shaft to said endless screw shaft and to impart a slow speed to the same, said gearing containing a free wheel drive allowing the free rotation of said endless screw shaft at a speed greater than said slow speed, a wheel rotatively mounted on said endless screw shaft, a gear adapted to transmit the rotation of the auxiliary driving shaft to said wheel and to impart a rapid speed to the same, a coupling member slidably but non-rotatively mounted on said endless screw shaft and cooperating with said wheel, a main shaft, gearing adapted to transmit the rotation of said endless screw shaft to the main shaft, elastic means urging the coupling member towards the coupling position, a drum on the main shaft, two catches on said drum, a lever retaining the coupling member in the uncoupling position, a member acted by one of the catches and able to release said retaining lever, another lever for returning the coupling into the uncoupling position, said lever cooperating with the other catch of the drum.

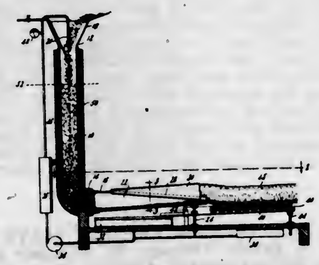
2,493,739
SHOCK ABSORBER
James E. Fleming, West Springfield, Mass.
Application January 31, 1946, Serial No. 644,530
2 Claims. (Cl. 267—9)

1. A shock absorbing construction comprising in combination, a base having an upper seat surface and a central opening therethrough, a plurality of circumferentially arranged segment members having lower flange portions and upwardly extending portions, relatively narrow seating portions on the under sides of said flange portions resting on said seat surface whereby said segments may tilt relative to said base, a coil spring around the upwardly extending portions having a lower end resting on said flange portions inwardly of said seating portions, a cap on the upper end of said spring, a friction post extending through the upwardly extending portions of said segments having an upper end secured to said cap, said post provided with longitudinally extending relatively angularly disposed flat faces and portions of the upwardly extending portions of the segments adjacent said flat faces having faces substantially complemental thereto and normally lightly frictionally engaging the same,



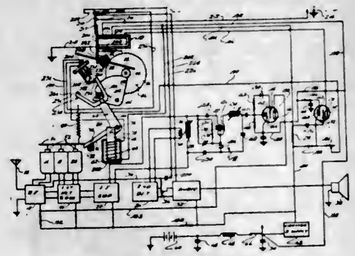
all adapted and arranged whereby as the cap is moved towards said base to act on said spring the segments are tilted inwardly so that the flat faces thereof frictionally engage the flat faces of the post to retard downward movement of the post and cap, and buffer means on the upper ends of the upwardly extending portions of the segments engageable by said cap when in lower position.

2,493,740
FIBER TREATMENT
Whitney R. Adams, Matawan, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application October 19, 1945, Serial No. 623,249
6 Claims. (Cl. 8—156)



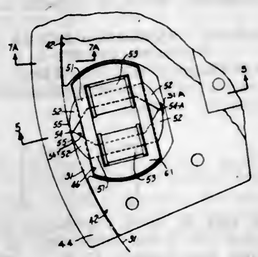
1. A continuous process of treating loose fiber with a liquid reagent which consists in forming a self-sustaining plug of loose fibers in a conduit having an outlet, continuously supplying reagent to the conduit behind the plug and maintaining sufficient pressure of the reagent behind the plug to eject the plug progressively from the conduit, the reagent being supplied at sufficient volumetric rate to flow the reagent thru the plug at substantial linear velocity while the plug is being ejected, and continuously rebuilding the plug by supplying loose fibers to the reagent substantially at the rate the fibers are ejected in the plug, whereby reagent carries fibers to the existing plug and deposits them thereon.

2,493,741
STOP-ON-SIGNAL RADIO APPARATUS
Edward F. Andrews, Chicago, Ill.
Application November 1, 1946, Serial No. 707,220
26 Claims. (Cl. 250—40)



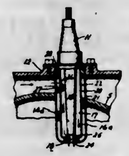
1. Stop-on-signal radio apparatus having variable tuning means, means including resilient mechanical power storage means operatively connected to said tuning means for varying said tuning means in one direction to tune said apparatus to signals, means including signal responsive relay means and resiliently applied braking means controlled by said relay means and controlling said tuning means for terminating variation of said tuning means by said power storage means when the latter varies in said one direction, and means for varying said tuning means in an opposite direction and for simultaneously storing power in said power storage means.

2,493,742
MAGNETIC TRANSDUCING CORE FOR MAGNETIC RECORD TRANSDUCERS
Semi Joseph Begun, Cleveland Heights, and Marvin D. Temple, Cleveland, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application July 30, 1946, Serial No. 687,046
In Great Britain August 22, 1945
8 Claims. (Cl. 179—100.2)



1. In a magnetic record transducing apparatus for recording signals on or reproducing signals from a moving, flexible magnetic record track of filamentary width: an elongated magnetic record transducing head including a magnetic core for carrying electric signals corresponding to the magnetic records; said core having a convex arcuate edge of a length greatly exceeding the thickness of the core, and portions of said core extending along said arcuate edge constituting pole portions having an arcuate guide path extending lengthwise said arcuate edge; said pole portions being separated by a non-magnetic gap extending inwardly from said edge transverse to said guide path and being each of a single thickness of magnetic sheet metal; said arcuate guide path forming, except for the gap, a substantially continuous surface extending smoothly along the path of the record track in both directions from the non-magnetic gap a distance sufficient to provide a smooth, convex guide surface for the magnetic track so that forces applied to the moving record track cause it to be flexed against the convex guide surface and to be guided toward and away from the non-magnetic gap along a substantial length of the convex arcuate pole portions; said pole portions being of the same order of thickness as the record track and less than about 20 mils; said core extending substantially completely on one side of the arcuate edge.

2,493,743
AIR-COOLED SPARK PLUG
John A. Benson, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application September 10, 1948, Serial No. 48,555
2 Claims. (Cl. 123—169)

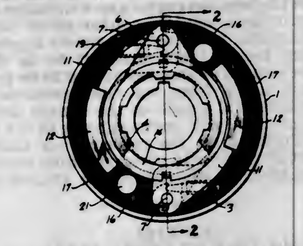


1. For use in combustion apparatus having a combustion chamber, an igniter including an insulating bushing supporting a first electrode having an end portion adapted to project into the combustion chamber, a first wall portion defining a shroud surrounding said projecting end portion and spaced therefrom to define a first annular cooling fluid passage, a second wall portion surrounding said first wall and spaced therefrom to form a second annular cooling fluid passage, said first and second walls being secured at one end to the igniter to form a closure at one end of both of said passages, said first wall adapted to cooperate with said second wall at the opposite end to form a second electrode and a nozzle communicating with said second passage and spaced from said first electrode to define a spark gap, said nozzle being adapted to discharge a jet of cooling and insulating fluid across said jet and against the first electrode to cool both electrodes and to prevent the deposition of carbonized fuel particles thereon, and means for supplying cooling fluid under pressure to both of said passages.

2,493,744
INTERIOR RADIALLY EXPANDING CLUTCH WITH EQUALIZING MEANS
Arthur F. Berger, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application February 14, 1944, Serial No. 522,250
14 Claims. (Cl. 192—76)

1. An expansive and contractive frictional unit, including driving and driven members, a pair of reversely disposed arcuate frictional shoes carried by one member and movable in unison into and out of frictional engagement with the other member, recessed oscillatory thrust elements carried by one of said members interposed between the adjacent ends of the arcuate friction shoes which are seated within the recesses and upon oscillation exerting simultaneous out-

ward thrust pressure of the shoes into frictional engagement with the other of said members, fixed pivots carried by said member upon which the thrust elements are supported for oscillatory



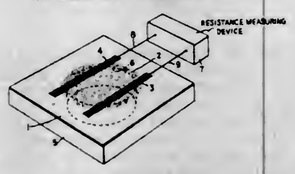
movement, and an equalizing ring interconnecting the oscillatory thrust members and rotatable in unison therewith for assuring uniform thrust motion of opposite ends of the friction shoes.

2,493,745

METHOD OF MAKING ELECTRICAL INDICATORS OF MECHANICAL EXPANSION

Katharine B. Blodgett and Vincent J. Schaefer, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application November 5, 1947, Serial No. 784,290
20 Claims. (Cl. 154—121)



13. The method of making a member having a pair of conducting terminals and a coating of conductive particles closely spaced with respect to each other and constituting a resistance path between said terminals, which method comprises the steps of forming said terminals on said member, floating said particles on a liquid surface, coating said member with an adhesive coating and bringing said member into contact with said particles on said liquid surface.

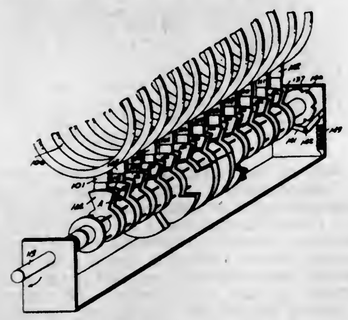
2,493,746

SHORTING SYSTEM FOR RADIO COILS

John L. Bowden, United States Army

Application August 3, 1945, Serial No. 608,828
2 Claims. (Cl. 171—242)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a radio transmitter, a main helical tank coil, first and second taps thereon equally spaced from the center of such coil and on opposite sides of said center, third and fourth taps on said coil equally spaced from the center of such coil and respectively on opposite sides of said center and farther therefrom than the first and second taps, fifth and sixth taps on said coil equally spaced from the center of such coil and respectively on opposite sides of said center and farther therefrom than the third and fourth taps, each of said taps including conducting means electrically and mechanically attached to the coil and extending a short distance therefrom, and rotary switch means comprising six segmental switch blades of conducting material which respectively are arranged to engage and disengage said taps respectively, the first and second blades having a large segmental angle and engaging said first and second taps throughout said angle, the third and fourth blades having a segmental angle smaller than that of the first and second blades and engaging said third and fourth taps, the third and fourth blades being so positioned as respect the first and second blades that when the third and fourth blades engage the third and fourth taps respectively that the



first and second blades engage the first and second taps respectively, said fifth and sixth blades having smaller segmental angles than that of the third and fourth blades and engaging said fifth and sixth taps throughout such small angle, the fifth and sixth blades being so related to the first, second, third and fourth blades that whenever the fifth and sixth blades engage the fifth and sixth taps respectively that the first, second, third and fourth blades are respectively in engagement with the first, second, third and fourth taps.

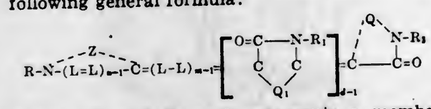
2,493,747

ACID MEROCYANINE DYES

Leslie G. S. Brooker and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 16, 1945, Serial No. 605,472
14 Claims. (Cl. 260—240.4)

1. The merocyanine dyes represented by the following general formula:



wherein R and R_1 each represents a member selected from the group consisting of an alkyl group having the formula C_mH_{2m+1} wherein m represents a positive interger from 1 to 4 and a phenyl group, L represents a methine group, n represents a positive integer of from 1 to 2, m represents a positive integer of from 1 to 3, d represents a positive integer of from 1 to 3, Q represents the non-metallic atoms necessary to complete a heterocyclic nucleus containing five atoms in the heterocyclic ring, three of said atoms being carbon atoms, one of said atoms being a nitrogen atom and the other of said atoms being selected from the group consisting of an oxygen atom, a sulfur atom, and a nitrogen atom, R_2 represents a carboxyaryl group of the benzene series and the alkali metal and ammonium salt forms of these groups and containing 5 atoms in

the heterocyclic ring, Q_1 represents a member selected from the group consisting of an oxygen atom, a sulfur atom, and a group of the formula



wherein R_3 represents a member selected from the group consisting of an alkyl radical and an aryl group, and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of those of the benzothiazole series, the benzoxazole series, the benzoselenazole series the α-naphthothiazole series, the β-naphthothiazole series, the α-naphthoxazole series, the β-naphthoxazole series, the α-naphthoselenazole series, the β-naphthoselanazole series, the thiazoline series, the thiazole series, the selenazole series, the oxazole series, the quinoline series, the pyridine series and the 3,3-dialkylindolenine series.

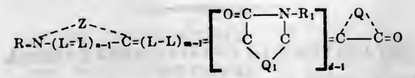
2,493,748

MEROCYANINE DYES

Leslie G. S. Brooker and Grafton H. Keyes, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 16, 1945, Serial No. 605,473
13 Claims. (Cl. 260—240)

1. The merocyanine dyes represented by the following general formula:



wherein R and R_1 each represents a member selected from the group consisting of an alcohol radical and an aryl group, L represents a methine group, n represents a positive integer of from 1 to 2, m represents a positive integer of from 1 to 3, d represents a positive integer of from 1 to 3, Q represents the non-metallic atoms necessary to complete a heterocyclic nucleus containing a group selected from the group consisting of sulfoalkyl and carboxyalkyl groups and the metal and ammonium salt form of these groups, and containing 5 atoms in the heterocyclic ring, Q_1 represents a member selected from the group consisting of an oxygen atom, a sulfur atom, and a group of the formula

wherein R_3 represents a member selected from the group consisting of an alcohol radical and an aryl group, and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus containing from 5 to 6 atoms in the heterocyclic ring.

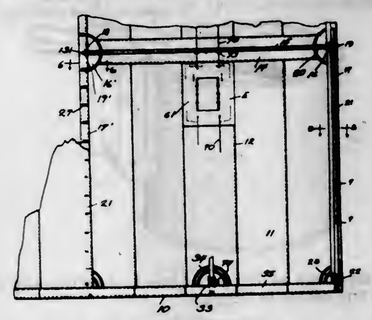
2,493,749

SECTIONAL HOSPITAL TENT

Walter R. Brown, United States Army, Louisville, Ky., and Roy E. Lushbaugh, New Albany, and John W. Cull, Mooresville, Ind.

Application August 11, 1945, Serial No. 610,369
7 Claims. (Cl. 135—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A sectional tent having a plurality of roof sections provided with apertures and means for supporting the roof and securing adjacent sections together, said means comprising webbing extending along certain of the edges of said sections and engaging the main supports of the tent, said webbing having fasteners engaging the



apertures in the other edge of said roof sections, and flaps covering said apertures to prevent the

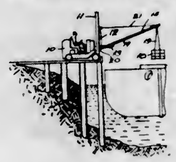
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2,493,750

FORK LIFT TRUCK WITH BOOM

Russell Bucksath, deceased, late of Long Beach, Calif., by Grace Bucksath, administratrix, Long Beach, Calif.

Application February 6, 1948, Serial No. 6,570
6 Claims. (Cl. 214—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a lift truck of the type comprising a vehicle, an upright extending from said vehicle, and projecting load-supporting means slidably associated with said upright: a boom adapted to support a load from one end, a bearing surface proximate the other end of said boom for pivotal abutment on said load-supporting means, means removably positionable on said load-supporting means and adapted to hold said bearing surface in pivotally abutting engagement with said load-supporting means proximate said upright and preventing lateral displacement of said boom, and means for holding said boom in angular relation relative to said upright.

2,493,751

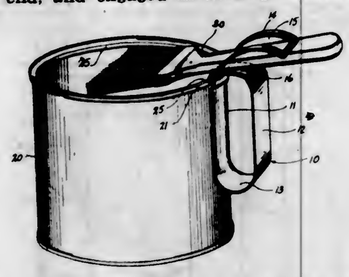
COMBINATION BRUSH HOLDER AND PAINT CAN HANDLE

Clarence G. Davis, Tracyton, Wash.

Application August 10, 1948, Serial No. 43,361
5 Claims. (Cl. 224—45)

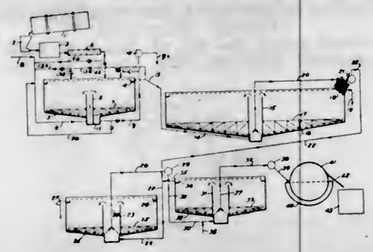
1. A combination paint brush holder and handle comprising a body member, substantially of U-shape, adapted to be disposed with the inner leg portion thereof vertically engaged against the side wall of a can, and its outer leg spaced outwardly from the can as a hand hold; said inner leg portion having an upper end extension designed to project above the top edge of the can and formed with an opening for the reception of the handle portion of a brush therethrough to hold the brush, and the said outer

leg having a part turned inwardly from its upper end, and engaged in holding contact with



the top edge of the can thus to functionally secure the device to the can.

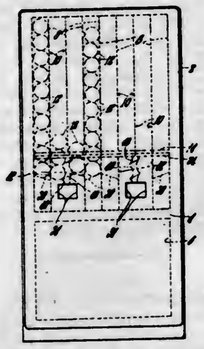
2,493,752
PROCESS OF PRODUCING MAGNESIUM HYDROXIDE
Fred A. De Maestri, Burlingame, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
Application March 6, 1948, Serial No. 13,357
5 Claims. (Cl. 23—201)



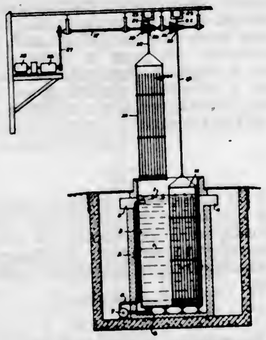
1. A process of precipitating a fast-settling sludge of magnesium hydroxide from seawater which includes directly adding to seawater having a magnesium salt content of less than one percent, dry, calcined dolomite having a particle size of less than 20 mesh and greater than 200 mesh and a major proportion being between 48 and 100 mesh, in an amount so related to the volume of seawater as to make possible substantially complete reaction of the lime of said dolomite, agitating the reaction mixture in a reaction zone while reaction between dolomite particles and seawater takes place to form magnesium hydroxide and while unreacted dolomite particles having concomitant impurities entrained therein settle through said seawater in said zone, withdrawing magnesium hydroxide slurry from the upper portion of said zone, withdrawing said settled dolomite particles from the bottom of said zone, and recycling at least a portion of said withdrawn dolomite particles to said zone.

2,493,753
VENDING MACHINE
Joseph M. Devens, Springfield, Mass.
Application August 29, 1947, Serial No. 771,340
5 Claims. (Cl. 312—48)

1. Apparatus for receiving and dispensing bottles from a vertical stack thereof wherein said bottles have their longitudinal axes horizontally disposed, a pair of carriers rotatable on vertical axes and vertical walls spaced therefrom and cooperating therewith to form vertical magazines at opposite sides thereof, said carriers having members helically arranged longitudinally thereof with the members of said carriers being of opposite hand, and means to rotate said carriers simultaneously in opposite directions, whereby bottles are supported by the helical members of the carrier and retained therein by said vertical walls and adapted so that as the carriers are rotated a lowermost bottle is released thereby.

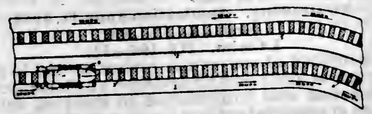


2,493,754
APPARATUS FOR COATING SHEET METAL ARTICLES
Morton I. Dorfan, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 2, 1943, Serial No. 489,347. Divided and this application June 4, 1945, Serial No. 597,418
9 Claims. (Cl. 91—46)



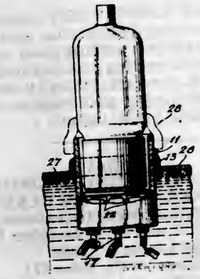
1. Apparatus for coating sheet-like articles with a substantially uniform thickness layer of a bituminous base material comprising: a tank for containing the coating material, means for heating the coating material in the tank to a liquid state, a dipping rack arranged for supporting sheets in upright position, and a power-operated means to move the rack into and out of the tank, the mechanism of the rack-elevating means being arranged for elevating the rack at a gradually decelerated rate of movement.

2,493,755
VEHICLE SPEED AND PATH SIGNALING SYSTEM
Thomas M. Ferrill, Jr., Hempstead, N. Y.
Application February 24, 1944, Serial No. 523,737
30 Claims. (Cl. 180—82)



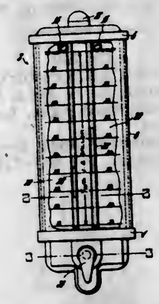
1. A control system for a steerable vehicle movable along a chain of spaced zones extending along a predetermined path, comprising pick-up means on said vehicle responsive to movement along said spaced zones for producing an alternating signal of frequency varying according to the rate of traversal of said zones and intensity varying according to variations of the course of said vehicle from said predetermined path, frequency-selective speed control means on said vehicle responsive to said alternating signal for varying the speed of said vehicle in accordance with variation of said signal frequency, and amplitude-controlled steering control means on said vehicle responsive to said alternating signal for steering said vehicle in accordance with variation of intensity of said signal.

2,493,756
ELECTRICAL CONNECTOR SOCKET
James M. Fetherolf, White Plains, Gerard E. Forrest, Beechhurst, and Francis W. See, Bronx, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application September 13, 1945, Serial No. 616,102
8 Claims. (Cl. 174—18)



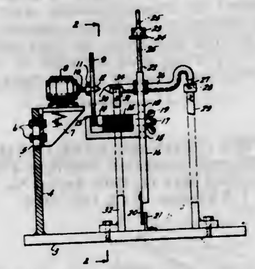
1. A recessed electrical connector socket for installation in an opening through a metal wall and for providing a fluid-tight boundary at said metal wall, comprising a vitreous cup, a metallic band bonded to the outer surface of said cup and providing a metallic outer surface to be plastically bonded to said metal wall both for mechanically supporting said cup and for preventing fluid flow between said wall and the outer surface of said cup, and at least one electric contact member passing through said cup and sealed into said cup, one end of said contact member being within said cup and being adapted to provide pressure engagement with a cooperating contact element, and the other end of said contact member being external of said cup and being adapted to be permanently connected to an electric circuit.

2,493,757
LIQUID CONSUMPTION DEVICE
John Robert Fish, Springfield, Mass.
Application January 23, 1948, Serial No. 3,928
5 Claims. (Cl. 73—113)



1. Apparatus of the class described comprising in combination, an elongated transparent tubular member and lower and upper members forming a vertically disposed chamber for liquid, a target member extending upwardly in said chamber provided with graduations and indicia, a transparent hollow sight tube open at opposite ends disposed in said tubular member forwardly of said target member for liquid and in which liquid level may be observed, and means for delivering fuel to said chamber and for discharging the same therefrom.

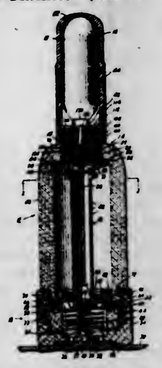
2,493,758
TORQUE MEASURING DEVICE
Eitel J. Friedrich, London, Ohio
Application October 22, 1945, Serial No. 623,841
3 Claims. (Cl. 73—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A torque measuring device comprising a frame, a pendulous indicator, means pivotally supporting said indicator on said frame for swinging movement in either direction from a zero position, adjustable counterweight means on said pendulous indicator to modify the effective force required to move said pendulous indicator away from the zero position, a disc secured to and adapted to be rotated by the motor which is to be torque tested, adjustable means for aligning the axis of said disc with the axis of said pivotal means, an electromagnet carried by and swingable with said pendulous indicator, opposite poles of said electromagnet being positioned on opposite sides of said disc near its periphery, means for selectively positioning said electromagnet along said pendulous indicator radially of said axis to accommodate different

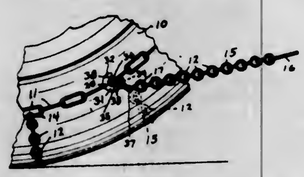
sizes of discs, a pointer at the lower end of said pendulous indicator, and a zero center segmental scale associated with said pointer graduated in foot pounds torque in both directions from the center, whereby motors may be tested for torque in either direction of rotation.

2,493,759
PRODUCTION OF CARBON DIOXIDE SNOW
Walter H. Freygang, Essex Fells, N. J., assignor to Kidde Manufacturing Co., Inc., a corporation of Delaware
Application November 28, 1944, Serial No. 565,543
10 Claims. (Cl. 62—121)



10. A unit for producing carbon dioxide snow, comprising a casing, a removable snow receiving member in said casing, said casing providing an abutment for one end of said member, a fixed inlet tube supported by said casing and extending into said member to a position adjacent the other end thereof, a source of carbon dioxide adapted to be placed in communication with said inlet tube for introducing carbon dioxide into said member to form snow therein, and means for removably supporting said member in said casing in heat exchange relation to said inlet tube.

2,493,760
TIRE CHAIN RELEASE DEVICE
Milton B. Herbrick, Sterling, Colo.
Application May 11, 1948, Serial No. 26,469
5 Claims. (Cl. 152—213)

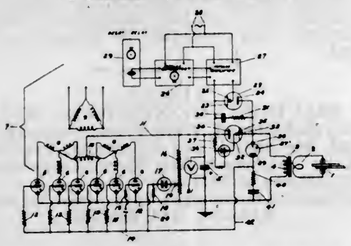


1. A tire chain release device including an inner side chain divided and forming two end portions, a cross chain, a member connected to one end portion of the inner side chain and having a threaded opening, and a stud connected to the cross chain and engaging one of the links of the other end portion of said side chain and having a threaded engagement with said member and rotatable by the cross chain to engage and release said link for connecting and disconnecting the two end portions of the inner side chain.

2,493,761
CRACKING CATALYST AND CRACKING PROCESS UTILIZING THE SAME
Everett C. Hughes, Cleveland Heights, and Samuel M. Darling, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 11, 1947, Serial No. 754,060
1 Claim. (Cl. 196—52)

A method of converting higher boiling hydrocarbon to lower boiling products which comprises subjecting said hydrocarbon to cracking conditions of temperature and pressure in the presence of a silica-free catalyst comprising alumina and from 1% to 20% by weight of beryllium fluoride.

2,493,762
RESISTANCE WELDING METHOD EMPLOYING ELECTRICAL ENERGY STORAGE MEANS
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Original application December 23, 1942, Serial No. 469,863. Divided and this application December 22, 1943, Serial No. 515,318
4 Claims. (Cl. 219—10)



1. The welding method which consists in storing electrical energy, discharging said stored energy into a resistance welding load by an oscillating discharge, trapping the residual energy of said discharge in the same polarity as the initial charge of stored energy, and building up said residual energy to the initial value.

2,493,763
METHOD OF PRODUCING LIGHTWEIGHT AGGREGATE FROM CLAY
Theron A. Klinefelter, Tuscaloosa, Ala.
No Drawing. Application October 1, 1947, Serial No. 777,361
3 Claims. (Cl. 106—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a process for the production of light weight aggregate by the thermal bloating of clay, the steps which comprise mixing the clay with one-half to ten percent of a substance of the group consisting of sulfur and iron pyrites and thermally bloating said blend.

2,493,764
HANDLE
Thomas Lamb, New York, N. Y.
Application January 22, 1947, Serial No. 723,500
5 Claims. (Cl. 292—347)

3. A torque handle comprising a body which is symmetrical with respect to an axis of rotation extending longitudinally therethrough, the outer peripheral surface of said body having an undulating groove formed therein extending entirely around said axis of rotation with the peaks of the undulating curve formed by the intersection of the upper edge of the groove with the periphery of the handle and the troughs of the undulating curve formed by the intersection of the lower edge of the groove with the periphery of the handle lying tangent to spaced planes of reference extending through said body in directions perpendicular to said axis of rota-



tion, the points of tangency of said peaks and troughs to said planes of reference being evenly spaced around said axis of rotation at angles which are even parts of 360°, said groove being of sufficient width and depth to receive the thumb and fingers to provide surfaces which are inclined to the direction of thrust of the thumb and fingers in the turning of the handle and against which the thumb and fingers may exert pressure.

2,493,765
MODIFICATION OF AND SHRINKPROOFING OF WOOLS WITH AMINES
George C. Le Compte, Arlington, Va.
No Drawing. Application December 5, 1947, Serial No. 790,006
7 Claims. (Cl. 8—127.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

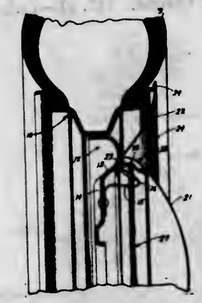
1. A process for shrinkproofing wool comprising heating wool in a bath of 100% morpholine at a temperature of 90–110° C., for 5 to 30 minutes.

2,493,766
FISHING REEL
Dempsey A. Luton, Jackson, Wyo., assignor of one-half to Earl M. Johnson, Jackson, Wyo.
Application March 19, 1945, Serial No. 583,523
1 Claim. (Cl. 43—20)



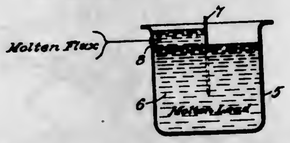
In a spring-pressed fishing reel, in combination, a handle having a recess therein a substantially U-shaped bracket disposed in said recess, a pair of rollers in said recess and carried by said bracket, a web surrounding said rollers about which a line is adapted to be wound, an axle carried by said bracket, gears mounted on said bracket and driving said rollers from said axle, a spring surrounding said axle, means for tensioning said spring, said means including a ratchet and pawl extending exteriorly of said handle, means including a pair of gears operatively connecting said ratchet to said axle, and means for releasing the tension of said spring, said last-mentioned means including an adjustable brake extending exteriorly of said handle, and resilient means biasing said brake toward braking position.

2,493,767
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application May 12, 1945, Serial No. 593,467
11 Claims. (Cl. 301—37)



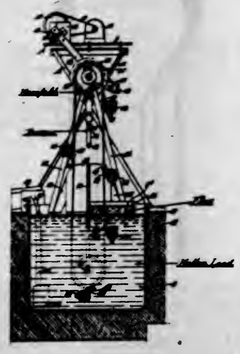
1. In a cover structure for a wheel including a tire rim and a body part having cover retaining means, a circular wheel cover of resiliently pliable material self-sustaining as to form and resiliently deflectable without permanent deformation, said cover having radially inner and outer concentric portions for disposition over the tire rim and body part and having at their junction a substantially radially outwardly projecting annular rib defining an annular groove on the rear side of the cover, a reinforcing ring of more rigid material having a radially outwardly projecting rib portion snapped into said groove to retain the ring on the rear side of the cover and also having a shoulder portion for engagement by said retaining means to hold the cover on the wheel, and an outer reinforcing ring engaging the cover at the axially inner side of the rib and clamping it against the first mentioned ring.

2,493,768
METHOD OF LEAD COATING
Jacques Magnin, Chestnut Hill, Pa., assignor to Horace C. Knerr
Application June 21, 1944, Serial No. 541,348
6 Claims. (Cl. 117—52)



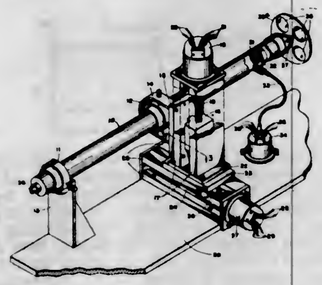
5. The method of coating a metal cold working blank preparatory to cold working with at least commercially pure lead for lubricating by the coating during cold working, which comprises forming a bath of at least commercially pure molten lead, floating upon the molten lead a flux comprising a metallic salt which is fusible and relatively stable at a temperature corresponding substantially with that of the molten lead, the salt being selected from the group consisting of acetates, borates, chlorides and sulphates of the metals antimony, bismuth, cadmium and tin, and at least two chlorides of the class consisting of zinc, sodium and ammonium chloride, passing the metal cold working blank to be coated repeatedly back and forth across the flux-molten lead interface into the molten lead, and withdrawing the metal cold working blank coated from the molten lead.

2,493,769
MACHINE FOR LEAD COATING
Jacques Magnin, Chestnut Hill, Pa., assignor to Horace C. Knerr
Application July 8, 1944, Serial No. 544,072
7 Claims. (Cl. 91—12.2)



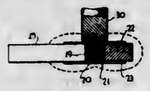
6. A pot having a molten pool therein and a flux floating on the pool, means for keeping a portion of the pool's surface free from flux, means for dipping articles to be coated through the flux into the pool and bringing them out through the portion of the pool surface free from flux and oscillating means for moving the dipping means to carry the articles into the pool through the flux and remove them from the pool through the flux successively and for changing the level at which the dipping means oscillates the articles with respect to the flux level.

2,493,770
SIMULATED PANORAMA VIEWER
Charles S. Manning, United States Navy
Application January 23, 1946, Serial No. 642,957
5 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



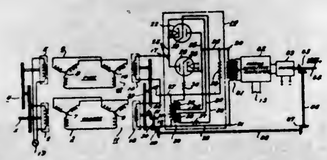
1. A viewing device for use with a projected scene, comprising a tube having a single eyepiece at one end, a gimbal support providing a universal mounting for the eyepiece end of the tube, a laterally extending arm at the other end of the tube, a gimbal mounting for the tube medially of said support and said other end of the tube providing for angular motion of the tube in reference to said support, a member turnably mounted on said arm having indicia disks registrable with said other end of the tube for interposing a chosen indicia effect between the eyepiece and said scene, means for moving said gimbal mounting horizontally and vertically to produce the angular motion of said tube, and an iris diaphragm in the tube behind said member for restricting the view of the scene.

2,493,771
METHOD OF AND APPARATUS FOR INDUCTION HEATING OF SMALL AREAS
Otto M. Marquardt, Oakland Township, Oakland County, and Walter A. Majeska, Grosse Pointe, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application April 24, 1946, Serial No. 664,478
3 Claims. (Cl. 219—13)



1. A method of rapidly heating an area of a generally flat metal surface with a high-frequency magnetic flux of a frequency such that it does not substantially penetrate below the surface of the metal comprising the steps of generating an alternating magnetic flux field entirely on one side of said surface and of such a frequency that it does not substantially penetrate below said surface, distorting said flux field to provide for any complete circumferential zone measured from the center a maximum average density greatest at and adjacent the center and decreasing outwardly toward the outer limitations of said field and causing said distorted flux field to flow into said metal surface.

2,493,772
ELECTRONIC SIGNAL MIXING CIRCUIT
Rawley D. McCoy, Bronxville, and Thaddeus J. Kusto, New York, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application April 17, 1945, Serial No. 588,830
17 Claims. (Cl. 318—30)

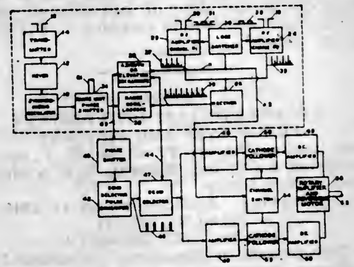


1. In a servo system of the character described, fine and coarse transmission systems, a servomotor connected for control by the voltage outputs of said fine and coarse systems, and a mixing circuit for mixing the fine and coarse error voltage outputs of said systems, said mixing circuit comprising a pair of electron tubes having space discharge paths and control elements therefor, said space discharge paths being connected together in back to back relation and in circuit with one of said error voltages, and both of said control elements being connected with the other error voltage whereby said signal voltages jointly function to control the conductivity of said tubes.

2,493,773
HYDROPHENANTHRENE CARBOXYLIC ACIDS AND DERIVATIVES THEREOF AND PROCESS OF MAKING SAME
Karl Miescher, Riehen, and Georg Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application July 23, 1948, Serial No. 40,434. In Switzerland August 27, 1947
5 Claims. (Cl. 260—515)

1. A hydrophenanthrene-2-carboxylic acid in which ring A is aromatic, and positions 1 and 2 are occupied by a member of the group consisting of hydrogen and lower alkyl and in which the ring skeleton contains at most one additional double bond and no further substituents.

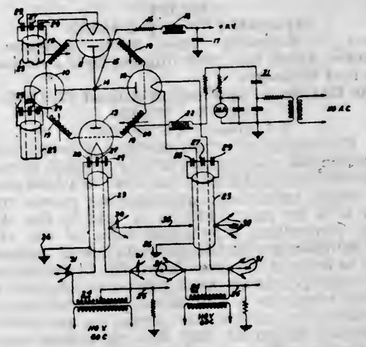
2,493,774
RADIO OBJECT LOCATING SYSTEM
James R. Moore, Dutch Neck, N. J.
Application May 11, 1943, Serial No. 486,531
6 Claims. (Cl. 343—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A radio pulse echo object locating system capable of comparing components of an echo signal derived through separate receiving channels comprising means for alternately receiving signals first over one channel and then over the other channel, means for suppressing all but the desired echo signal, means for separating the components of said desired echo signal according to the derivative channels of said components and means for comparing the magnitude of said components said means for separating said components of said desired echo signal according to the derivative channels of said components comprising two parallel amplifiers, a source of rectangular pulses, and an electronic switch connected between said source and said amplifiers for alternately blocking and unblocking said amplifiers for the duration of and simultaneously with the appearance of the respective channel components of said desired echo signal in said amplifiers, whereby the component derived through one of said receiving channels appears in one amplifier, and the component derived through the other receiving channel appears in the other amplifier.

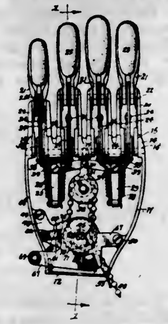
2,493,775
RING-MOUNTED OSCILLATOR
Robert M. Page, Washington, D. C., Merril F. Distad, Cheverly, Md., and Lamont V. Blake, Washington, D. C.
Application August 25, 1942, Serial No. 456,045
14 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

14. An oscillator comprising a plurality of tubes mounted in a ring, means interconnecting the plates of said tubes, means serially connecting the grids of said tubes in a continuous circuit, a variable reactance means forming a part of said continuous circuit between each adjacent pair



of said grids, a multi-conductor resonant circuit having a separate conductor for each of said tubes, means coupling said resonant circuit to the filaments of said tubes, and means simultaneously varying said reactance means and the resonance of said resonant circuit.

2,493,776
ARTIFICIAL LIMB
Alberto Pecorella and Benedict G. Pecorella, Buffalo, N. Y.
Application December 4, 1946, Serial No. 714,020
9 Claims. (Cl. 3—12)



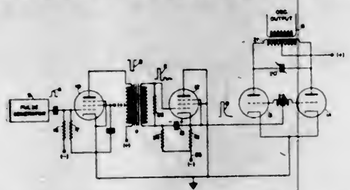
9. An artificial limb comprising a palm, a plurality of fingers movably mounted on said palm, means for folding and unfolding said fingers interposed between said fingers and said palm and including a pulley block and tackle mechanism which is operable from the exterior of the palm and comprising floating pulley means movable bodily with said fingers, relatively stationary pulley means mounted on the palm, and tackle means passing around said floating and stationary pulley means and locking means for holding said fingers in a folded position including a ratchet wheel connected with said stationary pulley means, a detent pawl having a beak adapted to be engaged with and disengaged from the teeth of said ratchet wheel, and also having spaced shifting lugs, a shifting lever pivoted on said palm, a plunger guided on said shifting lever and adapted to engage either of said lugs, and spring means mount-

ed on said shifting lever and engaging said plunger for yieldingly holding the detent pawl in its operative and inoperative position.

2,493,777
HYDROLYSIS OF CASEIN
James A. Reyniers, Niles, Mich., assignor to Amino Acids, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application August 27, 1947, Serial No. 770,944
2 Claims. (Cl. 99—20)

1. The hereindescribed method of preparing a water soluble hydrolysate of casein which is readily assimilable and highly nutritive as a food product, which comprises: precipitating casein from skim milk by slow addition of acid to the skim milk; controlling the temperature of the skim milk solution during the precipitation of the casein so as to hold the same below 20° C. throughout the entire period of precipitation so that the resulting casein is a fine flocculent precipitate of homogeneous particle size; preparing an acidified aqueous solution of said fine flocculent casein containing sufficient acid for hydrolysis; heating said acidified solution until a hydrolysate is formed which lies substantially entirely in the narrow range in the degradation scale between peptones and free amino acids, but not beyond the point at which appreciable precipitation no longer occurs in a sample of the solution to which a protein precipitating agent has been added in sufficient amount to cause precipitation; neutralizing the hydrolysate; removing the salt of neutralization; and evaporating the remaining degradation product to essential dryness.

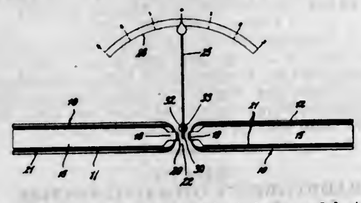
2,493,778
KEYING SYSTEM
Milton W. Rosen, Washington, D. C.
Application August 3, 1945, Serial No. 608,813
5 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In a pulse system, a circuit for obtaining gain from a cathode follower stage comprising, a vacuum tube having at least anode, cathode, and control grid electrodes, a potential source having positive and negative terminals, a cathode load impedance connecting said cathode to said negative terminal, said anode being connected to said positive terminal, transformer means for applying a pulse across said grid and cathode electrodes, a capacitance comprising the connection between said transformer and said cathode whereby the pulse produced at said cathode is coupled back to said grid.

2,493,779
MAGNETOMETER
Jacob H. Rubenstein, Buffalo, N. Y.
Application February 5, 1945, Serial No. 576,343
4 Claims. (Cl. 175—183)

1. In a magnetometer having a pair of longitudinally spaced antenna members having high permeability and concentrating an external magnetic field in the space therebetween to provide oppositely polarized opposed ends, and a member for indicating changes in said field, the combination therewith of means actuating said indicating member in response to said changes, comprising a vane of magnetizable material pivoted at one



side and having its free side interposed between said opposed ends of said antenna members, and a permanent magnet fixed to the pivoted side of said vane and arranged outside of said gap and polarizing said vane whereby said vane is swung toward one or the other of said opposed ends of said antenna members in response to changes in polarity thereof.

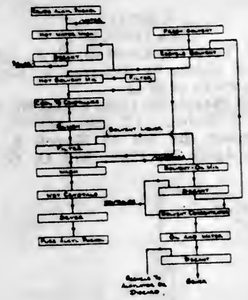
2,493,780
3,11-DIKETO-17,20-DIHYDROXY-PREGNANES AND PROCESS
Lewis Hastings Sarett, Princeton, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 13, 1946, Serial No. 683,427
7 Claims. (Cl. 260—397.4)

1. The process of preparing 3,11-diketo-17,20-dihydroxy pregnane in substantially pure form, which comprises reacting a mixture containing $\Delta^{17,20}$-3,11-diketo-pregnane and $\Delta^{20,21}$-3,11-diketo-pregnane with a compound selected from the class which consists of osmium tetroxide and hydrogen peroxide to produce a mixture containing 3,11-diketo-17,20-dihydroxy pregnane, 3,11-diketo - 20 - alpha - 21 - dihydroxy pregnane, and 3,11-diketo-20-beta-21-hydroxy-pregnane; reacting this mixture with a cyclic anhydride of a dicarboxylic acid to convert the 20,21-dihydroxy stereoisomers to the corresponding stereoisomers of 3,11-diketo-20-hydroxy-21-(carboxy-acyloxy) pregnane admixed with unchanged 3,11-diketo-17,20-dihydroxy-pregnane; separating the non-acidic 3,11-diketo-17,20-dihydroxy pregnane from this mixture; reacting this compound with an acylating agent to produce 3,11-diketo-17-hydroxy-20-acyloxy-pregnane; purifying this acyloxy derivative by fractional crystallization; and hydrolyzing to produce the desired 3,11-diketo-17,20-dihydroxy pregnane in substantially pure form.

2,493,781
PURIFICATION OF PHENOLS
Helmuth G. Schneider, Westfield, and Carll F. Van Gilder and Theodore J. Peters, Jr., Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 4, 1946, Serial No. 674,256
8 Claims. (Cl. 260—624)

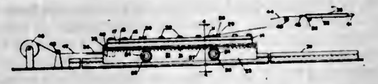
1. The method of isolating and purifying a crystalline alkylated phenol from an acidic crude mixture of the alkylated phenol wherein an acidic catalyst has been employed, which comprises washing the crude mixture with hot water, agitating the washed crude mixture with an

aqueous alcohol solution in which the alkylated phenol has slight solubility so as to form two distinct liquid phases, cooling a resulting mass of said aqueous alcohol solution mixed with said



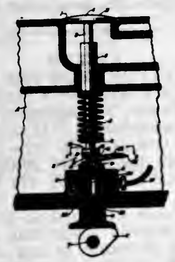
washed crude mixture until the mass becomes a slush containing crystals of the alkylated phenol, separating said crystals from the slush, and thereafter washing and drying the separated crystals.

2,493,782
TESTING SLIDE FASTENER
Charles F. Schwarz, Baltimore, Md.
Application October 17, 1945, Serial No. 622,917
6 Claims. (Cl. 73—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



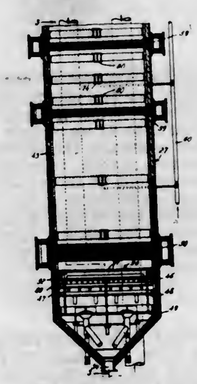
1. Apparatus for testing slide fasteners comprising a frame for securing webs joined by a slide fastener, force indicating means adapted for connection to the slider of the slide fastener, a platform adapted to travel away from the force indicating means, and a pivotal connection between the platform and the frame for supporting the latter for turning substantially from end to end on the platform.

2,493,783
MECHANICAL SILENT TAPPET
Clifton L. Stancliff, Bakersfield, Calif.
Application July 17, 1945, Serial No. 605,564
9 Claims. (Cl. 123—90)



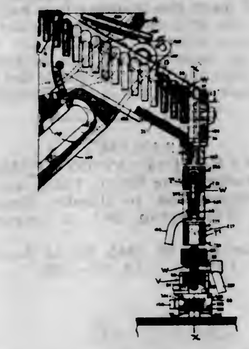
1. The combination with a cam-actuated valve lifter, a valve stem, and a valve spring, of a silent tappet carried by the lifter and having a circular head with cam-shaped recesses therein, balls rollably received in the recesses, a member rotatably enclosing the circular head and having cam-shaped recesses registering with said first-named recesses and receiving the tops of the balls, radially extending arms fixed to the head and member, respectively, the outer ends of the arms being normally spaced from each other, spring means interconnecting the free ends of the arms for rotating the member on the head for causing the balls to roll to the more shallow portions of the recesses and move the member into contact with the valve stem end, said spring means yielding when the valve lifter moves to lift the valve and permitting the balls to roll to the bottoms of the recesses so that the balls will carry the thrust of the valve lifter during the lifting movement.

2,493,784
CATALYST REGENERATION APPARATUS
Leroy F. Strader, Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application June 20, 1945, Serial No. 600,474
1 Claim. (Cl. 23—288)



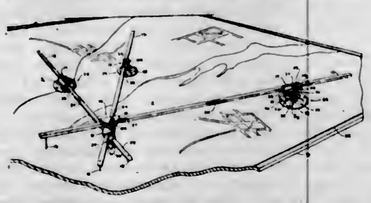
In a regenerating kiln comprising a vertical shaft, means for charging spent catalyst to the upper end of the shaft, means for discharging regenerated catalyst from the lower end of the shaft, means for supplying regeneration gas to said shaft, means for withdrawing spent regeneration gas from said shaft, and a series of horizontal partitioning plates in the lower portion of said shaft, the uppermost partitioning plate having a plurality of uniformly distributed apertures therein and successive partitioning plates below said uppermost plate having progressively decreasing numbers of apertures therein, said apertures in any one of said successive partitioning plates being horizontally staggered with respect to apertures in the partitioning plate thereabove, the improvement which comprises a horizontal grid positioned above the uppermost baffle consisting of a plurality of deep and narrow spaced bars extending entirely across the shaft, the distance between the bars being not greater than the diameter of the apertures in the uppermost partitioning plate, and the distance between the grid and said uppermost partitioning plate being not less than three times the distance between the bars and not less than twice the diameter of the apertures in said uppermost partitioning plate.

2,493,785
ARTICLE HEATING AND DELIVERY APPARATUS
Harold A. Strickland, Jr., Grosse Pointe, and Benjamin R. Purvin and Donald W. Riddell, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application October 11, 1947, Serial No. 779,372
6 Claims. (Cl. 263—6)



2. Article heating apparatus comprising in combination, article heating means, article transfer means, article receiving means, means responsive to the arrival of an article at the receiving means for actuating the receiving means to take the article, means responsive to the article-taking movement of the receiving means for causing the return of the transfer means, and means responsive to the return of the carriage to the heating means for feeding another heated article thereto and causing the carriage to move out from the heating means.

2,493,786
MECHANICAL POSITION FINDER
Gilbert Swift, Red Bank, N. J.
Application March 26, 1945, Serial No. 585,001
6 Claims. (Cl. 33—189)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A position determining instrument, comprising a map; three markers on said map; three elongated rack members rotatably disposed in successive planes above said map; three pivots engageable respectively with said three markers, each of said pivots being slidably attached to one of said rack members, whereby said pivots may be positioned respectively at a plurality of points along said rack members; means to lock each of said pivots at any of said points; and shackle means, said shackle means including three individually rotatable clevises to respectively retain the three rack members, pinion means in engagement with said rack members, and means to actuate said pinion means whereby to move said rack members uniformly longitudinally relative to said pinion member.

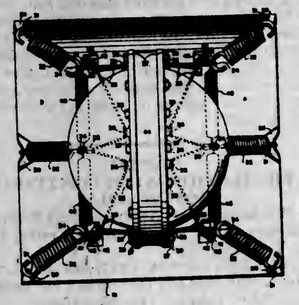
2,493,787
ANTENNA
Theodore T. Torretti, Trenton, N. J., assignor to the United States of America as represented by the Secretary of War
Application March 19, 1946, Serial No. 655,542
1 Claim. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a tunable transmitting antenna system for use with vehicles, a radiator extensible in length for operation over a predetermined range of frequencies, said radiator comprising a plurality of telescoping tubular sections of successively smaller diameters, a flexible shaft extending through said radiator and having one end secured to the telescoping section of smallest diameter, means for disconnecting said shaft from said smallest section, a flexible base for said radiator to allow lateral displacement thereof, a flexible guide through said base for the flexible shaft, a reel upon which the flexible shaft may be wound, means to rotate the reel in both directions of rotation, said means being calibrated in terms of frequency of operation of said antenna system, a chute to guide the flexible shaft between the reel and the flexible guides mentioned above, whereby upon the rotation of the reel in one direction the radiator may be reduced in length for operation on a higher frequency, and upon rotation of the reel in the opposite direction the radiator may be increased in length for operation on a lower frequency.

2,493,788
RESILIENT SUPPORT FOR THE FIRING CONTROL MECHANISM OF A MARINE MINE
Joseph D. Turlay, Montgomery County, Md.
Application September 29, 1942, Serial No. 460,114
19 Claims. (Cl. 102—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

19. A shock absorbing device for resiliently supporting a mass comprising, in combination, spring means flexibly supporting said mass for free movement yieldably in any direction away from an initial position, a plurality of flexible cables interconnecting said spring means and mass, and a plurality of friction means respectively arranged for slidable snubbing coaction with said cables as the cables move upon flexing of said spring means when the mass moves away from or toward said initial position thereby to

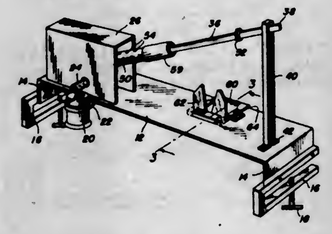


prevent movement of the mass beyond predetermined limits with respect to said initial position when a shock is received by the mass.

2,493,789
PRODUCTION OF CHROMATE
Marvin J. Udy, Niagara Falls, N. Y.
No Drawing. Application August 14, 1948, Serial No. 44,399
14 Claims. (Cl. 23—56)

1. A cyclic process for producing calcium chromate which comprises (1) reacting sodium chloride and ammonium bicarbonate to produce sodium bicarbonate and ammonium chloride, (2) regenerating the ammonium bicarbonate by reacting the ammonium chloride with calcium hydroxide with the production of ammonia and calcium chloride and by reacting the ammonia thus produced with carbon dioxide in an aqueous liquid, (3) producing calcium chromate and simultaneously regenerating the sodium chloride by reacting chromic oxide with the sodium oxide of the sodium bicarbonate under oxidizing conditions to form sodium chromate and reacting the sodium chromate with the calcium chloride produced in regenerating the ammonium bicarbonate, (4) separating the calcium chromate from the regenerated sodium chloride, and (5) utilizing the regenerated sodium chloride and the regenerated ammonium bicarbonate to regenerate sodium bicarbonate for use in the production of additional calcium chromate.

2,493,790
LAMB DOCKING DEVICE
Michael J. Walczak, Casper, Wyo.
Application July 23, 1948, Serial No. 40,321
6 Claims. (Cl. 128—303.10)



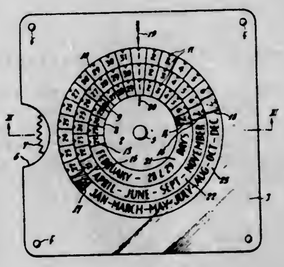
1. A lamb docking device comprising a platform, a knife shiftably mounted on the platform, a heater adapted to heat the knife when the knife is in heating position, said knife being shiftable into an operative position to cut off a lamb's tail held between a portion of the platform and said knife in its operative position, said knife having a supporting arm pivoted on said platform and slidably supporting said knife.

2,493,791
BUFF
Lawrence J. Walling, Keyport, N. J., assignor of one-fifth to Charles R. Stoddard, New York, and one-fifth to Robert Harding, Jr., Elmsford, N. Y.
Continuation of application Serial No. 195,703, March 14, 1938. This application April 28, 1947, Serial No. 744,357
11 Claims. (Cl. 51—193)



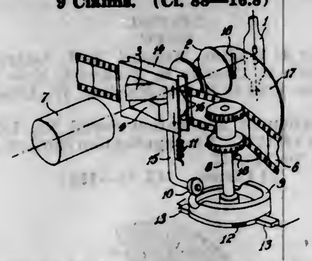
1. A buff comprising a plurality of cables, each of said cables comprising a plurality of strands and a flexible casing surrounding said strands, and means to attach each of said cables to the cables adjacent to it.

2,493,792
RECKONING DEVICE
Cecil Thomas Walmsley, Canford Cliffs, Bournemouth, England
Application February 5, 1947, Serial No. 726,477
In Great Britain February 5, 1946
3 Claims. (Cl. 235—88)



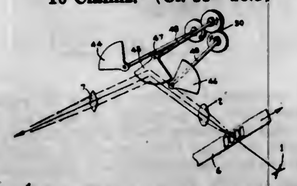
1. In a reckoning device: a pair of relatively movable members; a plurality of different scales on one of said members; each of said scales being of substantially equal total effective lengths and each scale being subdivided into a different number of substantially evenly spaced divisions and the effective lengths of the individual divisions being different for different scales; at least one setting mark on the other of said members against which a selected division indication on any one of said scales may be set; said other member having for each of said different scales a correlated pair of spaced-apart indicators for indicating on the respective scales desired spaced division indications which are correlated to a selected division indication.

2,493,793
FILM PROJECTION WITH CONTINUOUSLY MOVING FILM
Gustav Wikkenhauser, Wells, England, assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y., a corporation of New York
Application September 17, 1945, Serial No. 616,761
In Great Britain January 22, 1945
9 Claims. (Cl. 88—16.8)



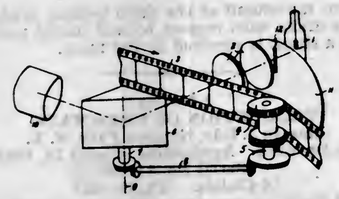
1. Apparatus for projecting spatially stationary pictures from continuously moving film comprising means for strongly illuminating each picture frame of said film in succession by a small plurality of flashes of duration only a very small fraction of one frame period, said flashes being so brief that no compensation for the movement of the film which occurs during such flashes is required, means for projecting the picture frames on to a screen by the light by which they are so illuminated, and means for compensating for the movement of the film in the time interval between any two successive flashes during one frame period, said compensating means comprising a small plurality of light displacing elements disposed relative to each other to define discrete, fixed, mutually displaced light paths, and means for moving said members successively into and out of the path of the projecting light, each member moving into the path of the projecting light before one of said flashes, and out of said path after said flash.

2,493,794
FILM PROJECTION WITH CONTINUOUSLY MOVING FILM
Gustav Wikkenhauser and Albert E. Adams, Wells, Somerset, England
Application January 6, 1947, Serial No. 720,438
In Great Britain December 21, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 21, 1965
10 Claims. (Cl. 88—16.8)



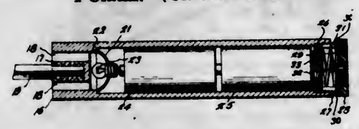
1. Apparatus for projecting spatially stationary pictures from continuously moving film comprising means for strongly illuminating each picture frame of said film in succession by a small plurality of flashes of duration only a very small fraction of one frame period, said flashes being so brief that no compensation for the movement of the film which occurs during such flashes is required, means for projecting the picture frames on to a screen by the light by which they are so illuminated and means for compensating for the movement of the film in the time interval between any two successive flashes during one frame period, said compensating means comprising a light reflecting element having at least one reflecting surface and means for moving said element rectilinearly into and out of the path of the projecting light once during each frame period, whilst maintaining the plane of said reflecting surface parallel to itself.

2,493,795
FILM PROJECTION WITH CONTINUOUSLY MOVING FILM
Gustav Wikkenhauser, Albert Ernest Adams, Gordon Henry Cook, and Richard Ernest Duggan, Wells, England
Application February 26, 1947, Serial No. 730,904
In Great Britain December 16, 1946
14 Claims. (Cl. 88—16.8)



1. Apparatus for projecting spatially stationary pictures from continuously moving film comprising means for strongly illuminating each picture frame of said film in succession during two very brief periods during each frame, said periods being so brief that no compensation for the movement of the film which occurs during such periods is required, means for projecting the picture frames on to a screen by the light by which they are so illuminated, and means for compensating for the movement of the film in the time interval between two successive illuminations of one and the same picture frame, said compensating means comprising an optical system including a first and a second light reflecting surface and a light refracting body and having two operative positions, in the first of which said first reflecting surface is in the path of the projecting light and in the second of which said second reflecting surface and said refracting body are in the said path, the distance traversed by light from said film to the emergent side of said optical system is greater than in said first position and the said path is displaced relatively to that in said first position, and means for locating said optical system in said first position during one of said brief periods of illumination and in said second position during the next succeeding brief period of illumination.

2,493,796
LIGHT EQUIPPED TOOLHOLDER
John Paul Williams, Nashville, Tenn.
Application April 19, 1946, Serial No. 663,274
1 Claim. (Cl. 240—6.46)



In a structure of the class described, an elongated cylindrical casing which is substantially solid at one end, the latter end having a central tool socket and provided on opposite sides of said tool socket with apertures affording communication between the interior of the casing and exterior thereof, said apertures providing passages for light rays, the opposite end of said casing being internally screw-threaded, a closing cap of insulation material including a screw-threaded neck threaded into said casing, said neck having diametrically opposite notches, a metallic disk fastened to said cap on the inner side of the cap and having diametrically opposite lugs extending through and beyond the notches and adapted to come into contact with the adjacent end of the casing when said cap is screwed into the casing to a predetermined point.

2,493,797
NITRO DERIVATIVE OF TERTIARY BUTYL ETHYL ANISOLE
Thomas F. Wood, Clifton, N. J., assignor to The Givaudan Corporation, a corporation of New Jersey
No Drawing. Application July 5, 1947, Serial No. 759,299
1 Claim. (Cl. 260—612)

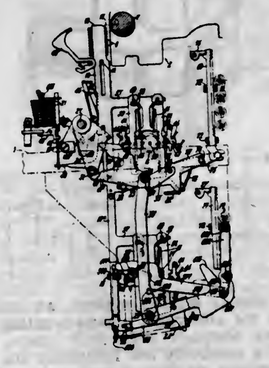
2,4-dinitro-3-ethyl-6-tertiary butyl anisole, comprising yellow crystals having a melting point of 77° C. and possessing a strong persistent musk-like odor.

2,493,798
POLYCHLOROPRENE AND PREPARATION THEREOF
Henry H. Abernathy, Wilmington, and George W. Scott, Claymont, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 8, 1947, Serial No. 759,686
6 Claims. (Cl. 260—27)

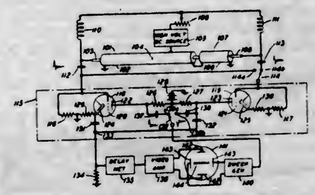
1. A process for producing polychloroprene latices which are particularly suitable for the impregnation of paper, as blending agents for conventional polychloroprene latices and for the production of films which have a low modulus of elasticity and which are resistant to hardening during storage, which comprises polymerizing in an alkaline aqueous emulsion and in the presence of a chloroprene polymerization catalyst chloroprene containing from 16 parts to 120 parts per 100 parts of chloroprene of a rosin ester obtained from an alcohol containing not more than 5 carbon atoms and not more than 4 hydroxyl groups, a water soluble salt of a rosin acid being employed as the emulsifying agent in an amount in parts by weight of not less than one-twentieth of the number of parts of rosin ester present in the latex per 100 parts of chloroprene plus 3.5 parts and not greater than 15% of the total weight of the chloroprene and rosin ester employed.

2,493,799
LOAD EQUALIZING FOR DIFFERENTIAL ACTUATORS
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Original application June 27, 1946, Serial No. 679,722. Divided and this application June 24, 1948, Serial No. 35,039
9 Claims. (Cl. 235—60)

2. In a machine of the class described having register wheels, reciprocatory actuators for the register wheels, means including machine cycling means to reciprocate said actuators variably predeterminable extents, said reciprocating means including a reciprocatory cycle-operated universal member cooperative with the actuators for driving them for the return part of their reciprocations, transfer means for the register wheels, capable of being spring-loaded by the actuators as they complete their reciprocations, said means when spring-loaded exerting forces on said actuators tending to start them on new reciprocations, spring means for acting on said universal member in a direction counter to that of the spring-loaded transfer means on the actuators, and means controlled by the cycling means to cast the force of said spring means on said universal member as each machine cycle nears its conclusion, and to cast it off said universal member at the beginning of the succeeding cycle after an initial reciprocatory movement of the actuator has taken place.

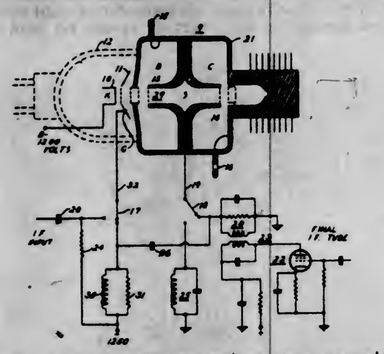


2,493,800
LOCATION OF FAULTS IN ELECTRICAL TRANSMISSION SYSTEMS
Merle C. Biskeborn, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1947, Serial No. 741,609
12 Claims. (Cl. 175—183)



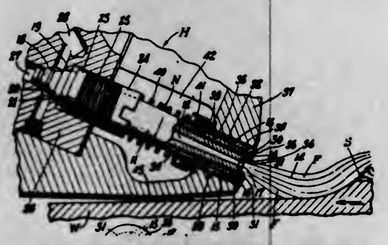
1. The method of locating a fault in an electrical transmission system which comprises applying to said system a high enough voltage to initiate an electromagnet disturbance at said fault whereby transient waves are generated and propagated along the conductors of said system in different directions from said fault, and comparing the transit times of waves traveling along said conductors in different direction from said fault to predetermined points on said conductors.

2,493,801
SIGNAL MIXING SYSTEM
William R. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 14, 1946, Serial No. 654,316
7 Claims. (Cl. 332—7)



1. In a signal mixing system, an evacuated drift space for electrons, means creating a flow of electrons through said drift space, means altering at a relatively low frequency the velocities of electrons passing a region in said drift space, means altering at a relatively high frequency the velocities of electrons passing a region in said drift space, means for stopping the flow of electrons in said drift space during intervals of predetermined duration at said low frequency, and means responsive to variations in the rate of passage of electrons through a region in said drift space some finite distance from said first two regions in the direction of drift of said electrons.

2,493,802
PROCESS OF THERMOCHEMICALLY CONDITIONING METAL BODIES
James H. Bucknam, Cranford, and Ivan P. Thompson, Elizabeth, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application May 10, 1949, Serial No. 92,274
3 Claims. (Cl. 148—9.5)



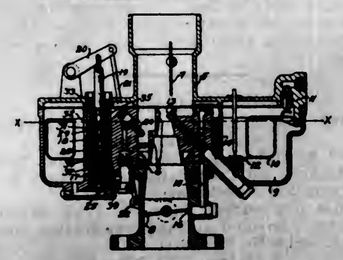
1. Process of thermochemically scarfing a ferrous metal body which is at a hot-rolling temperature, which process comprises discharging a substantially flat stream of commercially pure oxygen at a calculated velocity of 1000–1610 feet per second, simultaneously feeding thinner substantially flat upper and lower streams of commercially pure acetylene at acute angles directly into said stream of oxygen at a calculated velocity of about 240–267 feet per second, igniting the resulting mixtures of oxygen and acetylene, thereby producing a substantially flat stream of scarfing oxygen which is sandwiched between adjoining stable longitudinally extended upper and lower substantially flat post-mixed oxy-acetylene scarfing preheating flames having primary combustion zones which are about 1 and ¼ inches long, applying the primary combustion zones of such flames and the scarfing oxygen stream at an acute angle directly against the surface of said body, and moving said body along a longitudinal path in a direction opposed to the flow of such stream, so that the body is thermochemically scarfed by such oxygen stream while the reaction is supported by said flames which also screen the scarfing zone from the atmosphere.

2,493,803
HOSIERY INSPECTION DEVICE
Edmund J. Butler, Cordele, Ga., assignor to Maywood Hosiery Mills, Inc., a corporation of Georgia
Application November 23, 1948, Serial No. 61,629
5 Claims. (Cl. 223—39)



5. A hosiery inspection device comprising an inspection form having a channel-shaped body proportioned for receiving and supporting interiorly a stocking extended to full length, said body being adapted for support at one end and being formed with a reversing nose at its other free end, said body being further formed with a web portion extending between its channel edges adjacent said reversing nose but spaced from said nose and thereby defining an opening through which a stocking extended interiorly in said channel-shaped body may be drawn for reversal over said nose and extended exteriorly on said body for inspection, and said reversing nose being formed in the nature of an extending lip at the free end of said body whereby the looper line in the toe of a stocking extended over said body for inspection may be disposed across a face of said nose for direct viewing in normal inspection position beside said form.

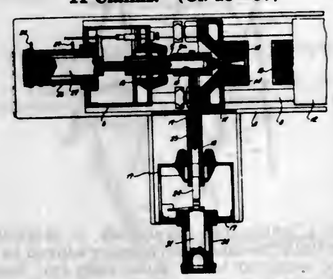
2,493,804
CARBURETOR ACCELERATING PUMP
Harold A. Carlson, University City, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 17, 1945, Serial No. 611,052
2 Claims. (Cl. 261—34)



1. In a carburetor, a mixture conduit, a constant level bowl, and an accelerating pump com-

prising a pressure chamber, a movable upper wall therefor, means for yieldingly actuating said wall, and a restricted discharge outlet from said chamber to said mixture conduit, said movable wall having a constantly open, restricted bubble venting passage leading from said chamber and said actuator member having a plunger loosely received in said passage to permit the escape of vented gases therepast, said plunger being movable in said passage during pressure producing movement of said actuator to produce counter pressure in said passage and prevent the escape of fluid from said pressure chamber therethrough during the initial pumping stroke.

2,493,805
INJECTION MOLDING MACHINE
Richard W. Dinsl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application January 28, 1947, Serial No. 724,891
11 Claims. (Cl. 18—30)



1. In a molding machine, an injection cylinder having a nozzle at one end, a plunger reciprocable in said injection cylinder, a lateral port in said cylinder between said nozzle and the nearest point of approach thereto of said injection plunger, a filling cylinder of less capacity than said injection cylinder communicating with said injection cylinder lateral port and having a lateral port, a plunger reciprocable in said filling cylinder across the lateral port thereof, a molding material supply chute communicating with said filling cylinder lateral port, a source of hydraulic fluid under pressure, means for utilizing said hydraulic fluid to force said injection plunger toward the injection cylinder nozzle, means biasing the injection plunger against return movement after completion of the injection stroke, means effective upon completion of the injection stroke of the injection plunger to utilize said hydraulic fluid to effect reciprocation of the filling plunger thereby introducing plasticized molding material into said injection cylinder and causing return of the injection plunger under pressure exerted by the introduced molding material, and means effective upon completion of the return of the injection plunger to discontinue reciprocation of said filling plunger and lock the same against movement.

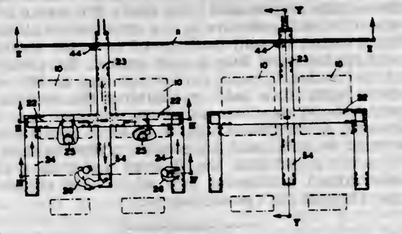
2,493,806
PORTABLE AUXILIARY SEAT FOR AUTOMOBILES
Walter L. Dumas, Miami, Okla.
Application November 6, 1947, Serial No. 784,393
8 Claims. (Cl. 155—33)

8. In combination with a pair of spaced apart, cushioned seats having framework supporting the cushions thereof, an auxiliary seat dimensioned to fill the space between said cushioned seats comprising a pair of cushions; a relatively rigid backing for the said cushions, said backing and the cushions having a width great enough to bridge the distance between the said framework for support thereby and to compress the cushions on the framework to establish a tight fit for the said auxiliary seat when squeezed between the pair of spaced, cushioned seats; and pockets



formed in the cushions of the auxiliary seat to receive the said backing, said backing being in the nature of a sheet of material, L-shaped in form and having the legs thereof extending into a pocket of a cushion respectively of the said auxiliary seat, said cushions having interconnecting elements of easily releasable character joining the same at the zone of juncture between the legs of the L-shaped backing.

2,493,807
TRANSFER APPARATUS FOR LOADING CONVEYERS
Jean R. Frederick, Conneaut, Ohio
Application September 13, 1947, Serial No. 773,857
8 Claims. (Cl. 198—20)

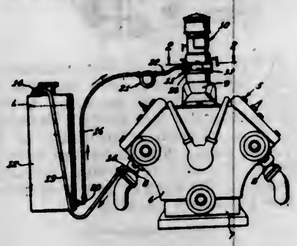


1. In combination with a conveyor arranged for continuous movement and having a plurality of spaced tray-receiving carriers, a cross-conveyor extending transversely to said first mentioned conveyor, a portable support transportable on said cross-conveyor and mounting an article loaded tray, means to correlate the positions of said carriers with said supports as said supports cross the path of movement of said carriers whereby the trays mounted on said supports may be automatically transferred to said carriers, and means to automatically release said supports from said trays upon said trays being positioned in said carriers.

2,493,808
WATER INJECTION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Samuel W. Garrigus, Inglewood, Calif.
Application January 22, 1947, Serial No. 723,567
1 Claim. (Cl. 123—25)

A water injection system for use with an internal combustion engine comprising, in combination, an injector body mounted between the carburetor and the intake manifold of the engine and having a throat opening in registration with the

passages in said carburetor and said manifold, an extension projecting laterally from one side of said injector body, said extension having a shallow circular recess formed in the top surface thereof, a thin sheet rubber diaphragm covering said recess and cooperating therewith a form a pocket, a ring secured to said extension and clamping tightly against the marginal edge of said diaphragm, a centrally disposed hole formed in the bottom of said recess, a tubular seat secured within said hole and projecting upwardly from the bottom of said recess, the top end of said tubular seat being disposed in the plane of the top surface of said extension so that said diaphragm bears lightly thereon when the engine is at rest, a jet tube communicating with said pocket and extending into said throat opening in said in-

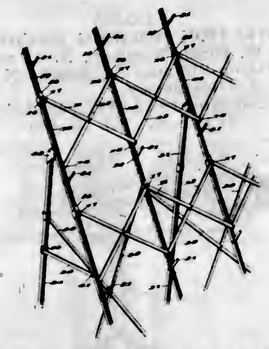


jector body, a water tank located so that the level of the water contained therein is entirely below the level of said jet tube, a line connected with said tank to receive water from the lower end thereof, said line opening into said pocket, another line connected to the exhaust manifold of the engine and to said tank above the water level, whereby back pressure in the exhaust manifold is transmitted to said tank to force water through said first-named line to said pocket, the pressure of the water in said pocket tending to lift said diaphragm from said seat against the suction in said tubular seat except when the engine is delivering a low power output, so as to admit water to said jet tube, and a metering orifice in said jet tube for restricting the flow of water to a predetermined maximum flow when said engine is operating at high power output.

2,493,809
MANUFACTURE OF POLYPHOSPHATES
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 18, 1946, Serial No. 642,109
2 Claims. (Cl. 23—106)

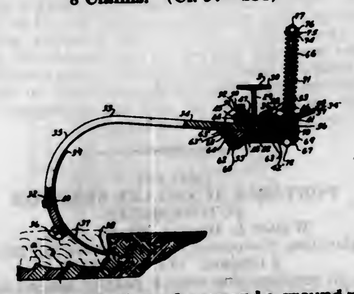
1. The method of preparing at temperatures below 400° C. a polyphosphate glass having calcium sequestering and viscosity reducing properties, which comprises heating a mixture of a phosphoric compound and an alkali metal compound selected from the group consisting of the alkali metal hydroxide and the carbonate and phosphate salts thereof, at a liquid reaction temperature above 270° C. but below 400° C. until a clear liquid melt is obtained, the total phosphorus and the total alkali metal in the mixture being in the proportion of n mols of phosphorus to $(n-2)$ mols of the alkali metal, then cooling the melt, and separating as a final solid product an acid polyphosphate glass melting below 400° C. and analyzing to a composition corresponding to the formula $M_{(n-2)}H_4P_nO_{(3n+1)}$, where M is an alkali metal, and n is a whole number greater than 2, the said composition having the property of being neutralized in water solution with alkali metal carbonates and hydroxides to produce a neutral solution equivalent to a water solution containing the same amount of the corresponding neutral polybasic polyphosphate composition.

2,493,810
COLLAPSIBLE FLORAL RACK
Charles O. Gipson, Elwood, Ind., assignor to Heinz Manufacturing Company, Inc., Elwood, Ind., a corporation of Indiana
Application September 25, 1946, Serial No. 699,230
2 Claims. (Cl. 248—27.8)



1. In a collapsible floral rack, a plurality of substantially parallel bars, a prong hinged to each bar and adapted to lie flush with the forward face of said bar and to swing outwardly to an article-supporting position when the rack is erected for use, a sleeve surrounding and slidable on each bar and overlying the forward face of said bar, crossed straps constituting "lazy tongs" attached at one end to said bars to pivot about fixed points thereon, pivots connecting the other ends of the straps to said sleeves, and the length of said straps and the position of said hinged prongs being such that when the bars are moved towards each other the sleeves engage the forward edge of said prongs and swing the same to a position along said bars.

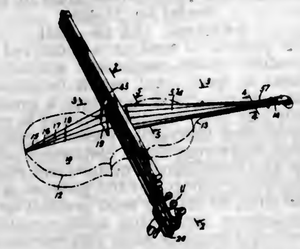
2,493,811
VIBRATING PLOW AND MOUNTING THEREFOR
William T. Graham, Amarillo, Tex.
Application February 26, 1947, Serial No. 730,991
8 Claims. (Cl. 97—184)



1. In a plow having a frame and a ground working device provided with a shank adapted to be

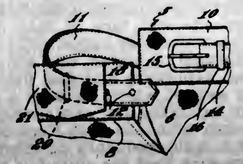
attached to said frame, means for attaching the shank to the frame which results in pumping action of the ground working device when the plow is in use, including a bracket on the frame having a downwardly opening way extending in the fore and aft direction of the plow, a pin extending transversely across said way, a fulcrum plate pivotally mounted on the pin at one end and having its other end extending along said shank on the side of the pin opposite the ground working device, a rod having pivotal connection with the fulcrum member and extending through an elongated opening in said shank and through a registering opening of the bracket to anchor the shank to said bracket and provide sufficient longitudinal relative movement between the shank and fulcrum member to accommodate oscillation of the shank, and a spring having one end engaged with said rod and the other end engaged with the bracket for yieldingly permitting rocking movement of the fulcrum member for effecting said pumping action of the ground working device.

2,493,812
STRINGED MUSICAL INSTRUMENT AND BOW
John A. Graydon, Hawthorne, N. J.
Application January 4, 1947, Serial No. 720,213
10 Claims. (Cl. 84—274)



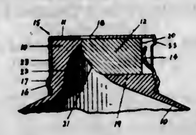
1. In a violin having a sounding box, an inclined bridge, the strings of said violin being held thereon in spaced relationship at different levels relative to the sounding box, a multi-part bow having a plurality of subsidiary bows each being adapted for sounding a corresponding string of the violin, and a like plurality of support members mounted adjacent said bridge for supporting corresponding of said subsidiary bows at levels adjacent the strings corresponding thereto.

2,493,813
WEARING APPAREL
Hyman Simon Greenblatt, Newton Highlands, and Julius Cohen, Mattapan, Boston, Mass.; said Cohen assignor to said Greenblatt
Application January 17, 1947, Serial No. 722,528
1 Claim. (Cl. 2—237)



An article of wearing apparel of the class described, comprising a waist formed with two sections having free end portions constructed and arranged to be drawn into overlapping relation, a strap projecting from the free end of the first section, the outer face of said first section carrying one of a pair of complementary interengaging fastening elements spaced inwardly from its free end, the second section having a strap-receiving opening spaced from its free end and so arranged that said strap may be passed through said opening and drawn toward said first section, thereby to bring the free end portions of the two sections into overlapping relation, the free end portions of said strap carrying the other of said complementary interengaging fastening elements which is brought into position to engage the first of said fastening elements when the free ends of said sections are drawn into overlapping relation, and a patch-like member secured about the outer face of said second section so as to conceal said strap-receiving opening and form an open-end pocket through which the said strap extends.

2,493,814
AUTOMATIC CLOSURE FOR COLLAPSIBLE TUBES
Albert E. Groody, Brooklyn, N. Y.
Application December 22, 1944, Serial No. 569,325
2 Claims. (Cl. 222—153)

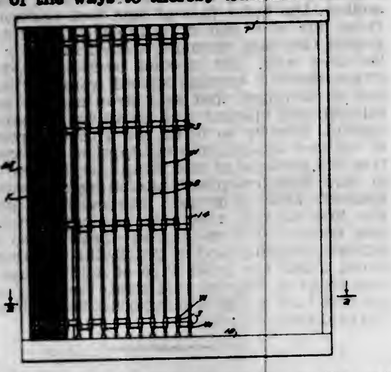


1. In combination with a tube, a rotatable cap having a top and a round side, means for attaching said cap to said tube, an opening in said top, a seat at the top of said tube providing a lateral channel between said seat and said top, a movable member slidably fitted within said channel, spring means within said cap for applying pressure to said movable member, an arcuate channel communicating with said lateral channel within said cap providing a stop for limiting the rotation of said cap, a projection within said cap, said projection acting as a stop for said movable member when said projection is moved behind said movable member, whereby when said filled tube is pressed the contents within said tube will cause said movable member to move against said spring pressure providing a space for the contents to emerge through said opening in the top of said cap.

2,493,815
COLLAPSIBLE SAFETY GATE
Nicholas R. Guilbert, Jr., Chestnut Hill, Pa.
Application February 19, 1946, Serial No. 648,788
8 Claims. (Cl. 160—201)

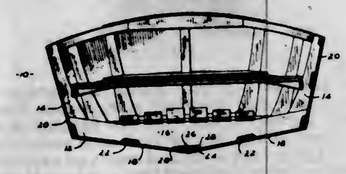
1. A collapsible gate of the character described comprising a plurality of substantially similar vertical rods in one series, a plurality of mutually substantially similar vertical rods in a second series alternating with those of the first series, a plurality of links articulately interconnecting the rods, means forming substantially parallel ways embracing the ends of the rods of the first series, said ends extending into said ways beyond the ends of the rods of the second series, a cam surface disposed adjacent that end of the ways remote from the free edge of the gate when the gate is extended, and a cam carried by each rod of the second series operative to engage the

cam surface when said rods are moved longitudinally of the ways to thereby translate said rods



outwardly from the ways relatively to the rods of the first series.

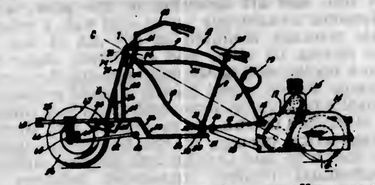
2,493,816
BOAT STRUCTURE
Ralph W. Hardman and Charles H. Boxmeyer, St. Joseph, Mo.
Application June 3, 1946, Serial No. 674,055
1 Claim. (Cl. 9—6)



A boat frame comprising a series of substantially U-shaped, parallel ribs, each having an elongated base member provided with a number of spaced, elongated notches in the outermost edge thereof, and an upright member at each end respectively of said base member, said upright members each being provided with a number of spaced, elongated notches in the outermost edges thereof; and a plurality of elongated battens interconnecting said ribs, there being a batten within each notch respectively, the depths of the notches being substantially the same as the thickness of the battens, and the width of the battens being less than the lengths of the notches, said notches each being defined by a flat bottom wall and a pair of opposed, concave end walls, one face of each batten engaging said flat wall of corresponding notches, the longitudinal edges of the battens being spaced from proximal end walls of corresponding notches.

2,493,817
POWERED THREE-WHEELED VEHICLE
Terence G. Hare, Saginaw, Mich.
Application July 1, 1946, Serial No. 680,534
11 Claims. (Cl. 180—25)

1. In a power-driven three-wheeled vehicle, a chassis comprising a rigid vertical frame and a rigid horizontal sub-frame provided with a vertical post, the upper end of which is universally connected to the vertical frame, the rear end of the horizontal sub-frame being universally connected to the vertical frame at a point spaced rearwardly from said post, a horizontal front axle carried by the sub-frame and having two front steering wheels pivotally attached thereto, a driven rear wheel, means attaching the driven rear wheel to said vertical frame, a driver's seat

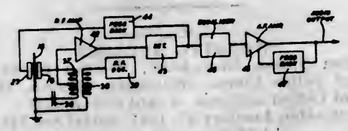


on said vertical frame, and manually operable steering means on said vertical frame, a bar, cardanic joints connecting said bar to said steering means and sub-frame respectively, and a steering rod operatively connecting said steering means with the front steering wheels.

2,493,818
PROCESS OF MAKING AN AVOCADO FOOD PRODUCT
Laurence E. Harrison, Fallbrook, Calif., assignor of one-half to Maude J. Anderson, Hollister, Calif.
No Drawing. Application April 19, 1948, Serial No. 21,865
4 Claims. (Cl. 99—154)

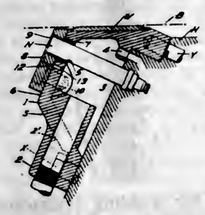
1. The process of making a preserved avocado food product which comprises: subjecting avocado meat to lactic acid bacilli fermentation to produce a slight acidity and form a product substantially free from enzymes tending to cause discoloration; and thereafter pressing said product to express therefrom liquid consisting principally of water and containing a minor proportion of oil, until the water content of the product is reduced to below 60%, to form a food product of cheese-like consistency containing solid constituents of the fermented avocado meat and having a higher oil content than the original avocado meat.

2,493,819
STABILIZED FEED-BACK CONDENSER MICROPHONE
William R. Harry, Milwaukee, Wis., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1947, Serial No. 787,941
8 Claims. (Cl. 332—2)



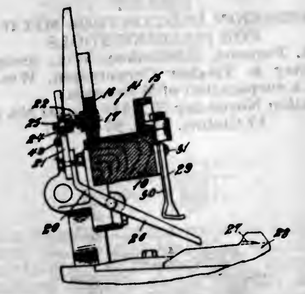
1. An electro-acoustic transducer comprising a condenser microphone having a diaphragm, a first electrode opposite one face of said diaphragm and an auxiliary electrode opposite the other face of said diaphragm, a bridge, one arm of which includes said diaphragm and said first electrode and another arm of which includes a condenser substantially balancing the capacitance between said diaphragm and said first electrode, means for applying a radio frequency polarizing voltage to said bridge such that the output of said bridge is a radio frequency signal amplitude modulated in accordance with vibrations of said diaphragm, a radio frequency amplifier energized in accordance with said signal, detector means coupled to the output of said amplifier, an audio frequency output circuit coupled to said detector, and a feedback coupling from said detector to said auxiliary electrode.

2,493,820
SHOE FOR BLOWTORCH SCARFING HEAD
Leslie N. Herring, Hammond, Ind.
Application July 15, 1946, Serial No. 683,751
5 Claims. (Cl. 158—27.4)



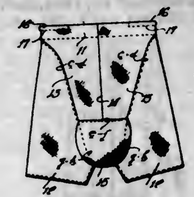
5. A face plate for a scarfing shoe, formed of heat conductive material and having a plurality of transversely aligned spaced nozzle-tip-receiving ports and a groove extending transversely of the plate adjacent said ports and terminating at the lateral edges of the plate, said plate being adapted to cooperate with a surface of a scarfing shoe against which the plate is to be positioned whereby the groove and shoe form a passage for fluid.

2,493,821
PROTECTION ROD SPRING
Harold Hoeber, South Dartmouth, Mass.; Barbara O. W. Hoeber and William T. Read as executors of said Harold Hoeber, deceased, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass., a corporation of Massachusetts
Application December 8, 1945, Serial No. 633,729
2 Claims. (Cl. 139—346)



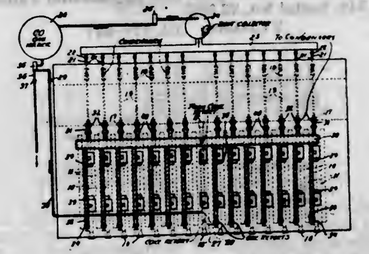
1. In a loom, a lay having a shuttle box at its end with a movable binder, a rockably mounted protection rod extending along the lay and having a dagger thereon movable therewith and an arm extending therefrom into engagement with said binder and responsive to movement of said binder by a shuttle entering said box to rock said protection rod and consequently said dagger, a stationary rod attached to said lay, a crank rockably mounted on said rod and extending into engagement with said arm, and a torsion spring acting throughout the entire operation of the lay for urging said crank into engagement with said arm.

2,493,822
MAN'S NETHER GARMENT
Ross S. Meggs, Dallas, Tex.
Application March 15, 1947, Serial No. 734,972
2 Claims. (Cl. 128—159)



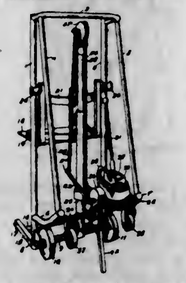
1. A nether garment comprising two leg sections, two frontal sections and one seat section, the seat section being cut on the bias and having curved sides and bottom to which are joined the correspondingly curved edges of said leg sections, the dimensions of said seat section being greater than the space defined by the curved edges of said leg sections to be occupied thereby to provide a fullness originating adjacent the top of said seat section and becoming increasingly greater adjacent the bottom thereof, and the frontal sections each being joined to an opposite curved edge of a leg section to form a seam at an incline to the overlapping opposite edges of said frontal section forming a placket, and a lower frontal section cut on a bias, to the top of which is joined the lower ends of said first frontal sections and to the curved sides of which are joined the lower curved edges of said leg sections and seat section, the dimensions of said lower frontal section being greater than the space defined by said leg, frontal and seat sections to be occupied thereby to form a suspensory pocket suspended in part by the angular seams of said first frontal sections.

2,493,823
PROCESS FOR ZINC SMELTING
Clyde W. Morrison, Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y., a corporation of New York
Application April 2, 1947, Serial No. 738,981
6 Claims. (Cl. 75—86)



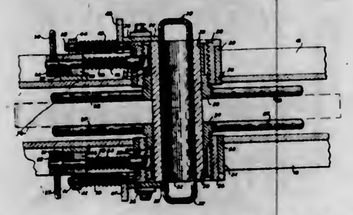
1. The improvement in smelting zinc-bearing material in a battery of externally heated retorts connected to individual zinc condensers in which the individual retorts are operated intermittently while the battery of retorts as a whole is continuously operated, which comprises closing the connection between a retort and its condenser and passing hot carbon monoxide gas through the condenser during the periods that the retort is being discharged, recharged and the charge brought up to smelting temperature.

2,493,824
INDUSTRIAL HAND TRUCK
George C. Nores, Manheim, Pa., assignor to Bond Foundry & Machine Company, Manheim, Pa., a corporation of Pennsylvania
Application February 14, 1948, Serial No. 8,390
8 Claims. (Cl. 187—9)



3. A truck of the character described comprising a frame having forwardly and rearwardly extending parts adjacent its lower end, coaxial supporting wheels for the frame, a platform vertically movable on the frame, means operable to raise and lower the platform, an oscillatory foot extending in a generally downward direction from the rearwardly projecting part of the frame with its outermost end adapted for engagement with the truck supporting surface when the platform is raised to thereby restrain the truck from material rearward tilting about the axis of its wheels, and means actuated by the first mentioned means adapted as the platform is lowered to swing the foot from support engaging position to a position in which it extends beneath the rearwardly projecting part of the frame to thereby enable the frame to be tilted rearwardly through a greater arc about said axis.

2,493,825
STRAND TWISTING DEVICE
Axel C. Nystrom, Rutherford, and Walter J. Volckhausen, Teaneck, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application November 4, 1947, Serial No. 783,874. Divided and this application June 30, 1948, Serial No. 36,096
5 Claims. (Cl. 57—59)



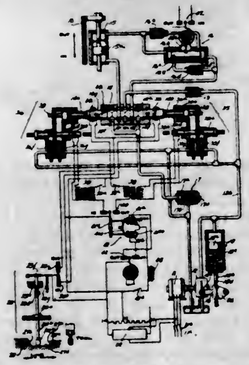
1. A material supplying apparatus comprising a frame, spaced aligned apertured members carried by the frame, an element removably disposed in the apertured members to support a supply of material for rotation between the apertured members as the material is withdrawn from the supply, and latches carried by the frame and disposed adjacent the ends of the element for selective actuation to free the element for removal in either direction from the apertured members.

2,493,826
FORM FOR BUILDING CEMENTITIOUS WALLS
Floyd L. Oelfke and Richard L. Horstman, Kansas City, Mo.
Application June 9, 1947, Serial No. 753,460
3 Claims. (Cl. 25—131)



1. A form for building cementitious walls or the like comprising a pair of spaced apart, opposed frame members; a plurality of spacers spanning the distance between said frame members; panels secured to and covering the proximal faces of each of said frame members respectively; and means for releasably attaching said spacers to said frame members, said frame members each being sectional, said means serving to releasably interconnect said sections of the frame members, said sections of the frame members each including a pair of spaced vertical bars and a plurality of cross members interconnecting the bars, said panels having a plurality of tie members securing the same to each of said cross members of proximal frame sections, one end of each tie member extending through said panels and beyond the face thereof opposite to the corresponding cross members, and a plug on each tie member disposed on said face of the panels for holding the latter against respective frame sections.

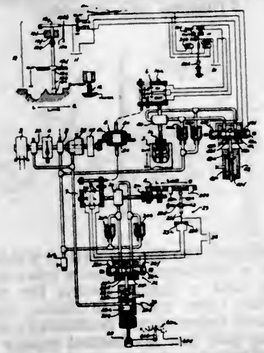
2,493,827
TRANSMISSION AND CONTROL MECHANISM FOR MACHINE TOOLS
Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application November 29, 1943, Serial No. 512,112
19 Claims. (Cl. 90—13.5)



1. In a pattern controlled machine tool the combination of an in-out support movable for

relative movement of a tracer and pattern toward or from one another in an in-out path, said tracer and pattern being relatively movable in another path transverse to said in-out path, power operable transmission mechanism for said in-out support movement including a pump adjustable for variable volume delivery of liquid, reverser valve means alternatively adjustable to different support direction positions and a reversible hydraulic motor, control means operable under the control of said tracer and pattern during their relative movement in said other path to effect successive adjustments of said reverser valve means determinative of the volume of liquid delivered to said motor from said pump, and an accumulator connected at a point between said pump and reverser valve means to receive liquid from said pump when the pump adjustment is such that the pumped volume is in excess of the instant motor requirements as determined by said control means, and to deliver liquid to said motor when the pump adjustment is such that the pumped volume is insufficient, a control member movable in different directions respectively when said accumulator is receiving and delivering liquid, and means operable in accordance with the direction of movement of said member for the volumetric adjustment of said pump.

2,493,828
MACHINE-TOOL TRANSMISSION AND CONTROL MECHANISM
Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application June 18, 1945, Serial No. 600,205
15 Claims. (Cl. 90—13.5)



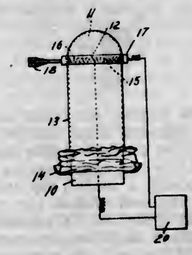
1. In a copying machine including a tracer and a pattern the combination of an in-out support movable to effect relative movement of said tracer and pattern alternatively in opposite directions in an in-out path, a line support movable to effect relative movement of said tracer and pattern alternatively in opposite direction in a line path, power operable transmission mechanism for said support movements, control means for adjustment of said transmission mechanism for determination of the direction and rate of support movements effected thereby, a first controller for said control means operable under the control of said tracer and pattern during movement in said line path for a tool to follow a work piece in substantial conformity with the configuration of said pattern, a second controller for said control means including a manually adjustable means having adjustment positions respectively corresponding to the opposite directions of in-out support movement and other adjustment positions respectively corresponding to the opposite directions of line support movement together with connections operable in accordance with said adjustments to effect the corresponding support direction movements, and interlock means operatively interconnecting said controllers and operative during an in direction of support movement under the control of said second controller to render said first controller operative as described and simultaneously to render said second controller inoperative for effecting an in direction of support movement.

2,493,829
ILLUMINATING DEVICE
Leslie R. Paul, Philadelphia, Pa.
Application February 12, 1946, Serial No. 647,103
2 Claims. (Cl. 240—10.1)



1. In an illuminating device, a base, standards rising from said base, a threaded sleeve having an unthreaded bearing portion, nuts fixing said sleeve to one of said standards, a color cylinder having one end rotatable on said bearing portion, a light source fixture within the color cylinder, nuts fixing one end of said fixture on said sleeve, a second sleeve fixed to the opposite end of the color cylinder and on which the other end of said fixture is loosely mounted, and a motor on said base having its shaft mounted in said other standard and fixed to said second sleeve.

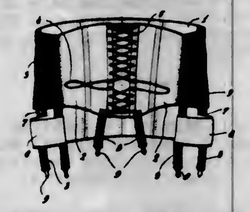
2,493,830
HOSIERY
Leon J. Picard, Dobbs Ferry, N. Y.
Application October 30, 1946, Serial No. 706,648
3 Claims. (Cl. 28—73)



1. The improvement in closing the open toe of a machine-fabricated hose which comprises placing the mating edges of the opening between the toe and the body portion of the hose in juxtaposed, flat-seaming position over a mandrel having one electrode of a high frequency dielectric heating apparatus, with the juxtaposed edges overlying said electrode, associating a thermoplastic bonding agent with the juxtaposed mating edges, placing a second electrode of the high frequency dielectric heating apparatus over the juxtaposed mating edges and the associated thermoplastic bonding agent, and causing a high frequency current to pass between said electrodes until the thermoplastic material softens and unites with

the juxtaposed edges, whereby on cooling of the softened thermoplastic material the juxtaposed edges will be bonded together.

2,493,831
CORSET
Marie J. Prevost, Plainfield, N. J.
Application October 24, 1947, Serial No. 781,955
2 Claims. (Cl. 2—27)



1. A corset having a wide rear section of relatively great length, separated front sections flush with the upper edge of the rear section along their upper edges and terminating short of the lower edge of the rear section, an elastic side section of the same length from top to bottom as the front sections and flush therewith along the upper and lower edges thereof, and uniting each front section to the rear section, said rear section having an extension beneath each elastic section, said extensions being flush along their lower edges with the lower edge of the rear section and projecting forward, and having a space between said extensions and the lower edges of the elastic sections, and bands bridging said space and connecting the forward ends of said extensions to the sides of the corset, said bands reaching below said extensions to engage and support garments below said corset.

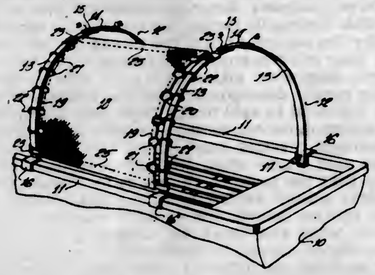
2,493,832
MATCH TIP CIGARETTE
Dominic Alfred Raffa, Brooklyn, N. Y.
Application March 10, 1945, Serial No. 582,001
5 Claims. (131—7)



1. A cigarette having an outer casing enclosing the usual tobacco filler, comprising a reinforcement member encircling the outer casing of the cigarette at one end while leaving the end area completely exposed, a match tip embedded partially into the exposed end of the cigarette and formed with an eyelet in its embedded portion, and an anchorage member for the match tip passing laterally through the tobacco filler at the said end of the cigarette and having its intermediate area passing through the eyelet and its ends projected through the outer casing at the sides of the cigarette and anchored in the reinforcement member.

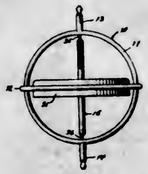
2,493,833
BOAT CANOPY AND FRAME
William R. Reynolds, Dallas, Tex.
Application August 4, 1947, Serial No. 765,875
4 Claims. (Cl. 135—6)

2. A boat canopy including a pair of resilient bows comprised of a pair of end sections and a short intermediate section, to which the end sections are pivoted adjacent their inner ends, means carried jointly by said end and intermediate sections for retaining the same in longitudinally aligned relationship, means on the outer end of the end section of each bow for securing said bows to the sides of a boat, a canopy whose width



is substantially half the effective length of said bow sections in extended position, rings spaced along each end of said canopy embracing said bows for adjustability of said canopy thereon and means at each corner of said canopy for securing the same in adjusted positions on said bows.

2,493,834
GYROSCOPE TOP
Louis Sanders, Clifton, and Chester Paff, Garfield, N. J.
Application May 9, 1946, Serial No. 668,435
3 Claims. (Cl. 46—50)

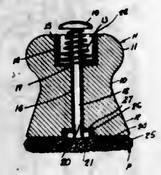


1. A gyroscopic top for use with a winding cord comprising: a stationary frame; a rotor including a fly-wheel and a shaft; means for rotatably mounting said rotor upon said frame; said shaft having means thereon for frictionally engaging said winding said last mentioned means consisting of knurling on said shaft cord; said fly-wheel being formed from a planar blank of sheet material.

2,493,835
HOLDER FOR METAL WOOL
Abe Schimel, Bronx, N. Y.
Application April 26, 1946, Serial No. 665,222
1 Claim. (Cl. 15—209)

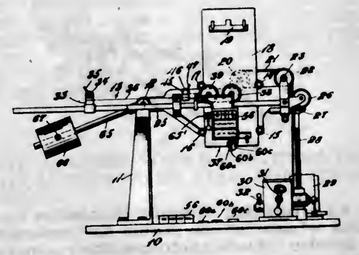
A holding device for metal wool comprising a handle member having a reduced portion dividing the same into an upper gripping section and a base section, said gripping section having a recess formed in the top wall thereof, said base section having a recess formed in the bottom wall thereof, said handle member having a central longitudinal bore formed therein, said bore communicating with said recesses, a pin having an enlarged head slidably positioned in said bore

and extending through said recesses, a pad holding member detachably secured to the opposite end of said pin, a transversal catch member carried by the bottom end of said pin to retain said holding member in locked position, said holding member being formed with a central projection, said projection being provided with an aperture to permit passage for said transversal catch member, said holding member being provided with



prongs to hold the pad thereon, and spring means mounted on the shank of the pin intermediate the head of said pin and the bottom wall of the recess of the gripping section, said spring means urging the projection of the holding member to be located in the recess of the base section and the remainder of the top face of said holding member to abut the bottom wall of the base section of the handle member.

2,493,836
MEANS FOR PROPORTIONING PULL TO SPECIMEN SIZE
David C. Scott, Providence, R. I., assignor to Henry L. Scott Company, a corporation of Rhode Island
Application July 16, 1945, Serial No. 605,389
1 Claim. (Cl. 73—90)



A testing machine comprising an inclinable beam, a clamp carried by the beam for securing one end of a specimen, a carriage movable along the beam as the same is inclined, means for securing the other end of a specimen to said carriage, said carriage comprising a plurality of separate superimposed open-ended compartments for the reception of weights and separable weights for said compartments to adjust the effective mass of the carriage.

2,493,837
SYSTEM OF DRAINING CONTAINERS
Herbert P. Smith, Eastport, Maine, assignor to Riviera Packing Company, Eastport, Maine, a partnership composed of Victor N. Cory and Arnold Vogl
Application November 10, 1945, Serial No. 627,919
7 Claims. (Cl. 226—22)

1. In a system of draining containers, conveyor belt means disposed along a predetermined operative path, said means comprising two spaced parallel coacting belt portions adapted to travel in the same direction and at the same speed and having container-engaging surfaces in facing relation, whereby containers may be held by the belts between said surfaces during the operative movement of the belt, two parallel guide strips extending along said path and helically twisted through an angle of substantially 180 degrees from the beginning of the path to a predetermined



intermediate portion thereof and back again to substantially their original position at the end of the path, parallel plate means yieldably supported by said guide strips, and two parallel sets of spaced rollers rotatably supported by said plate means, the said belt portions being in operative engagement with said rollers, whereby the rollers and the belts are corresponding turned to cause an operative inverting of containers held between said belt portions.

2,493,838
PHOTOPRINTING PROCESSES
Bennett F. Terry, Stamford, Conn.
No Drawing. Application July 19, 1945, Serial No. 606,036
2 Claims. (Cl. 95—5.4)

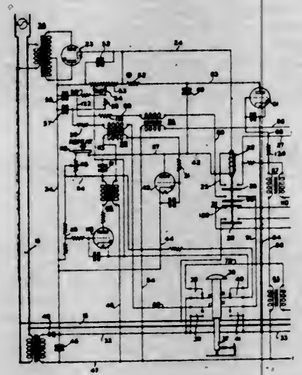
1. The herein described method of treating the gelatine in photographic emulsions which consists of immersing a medium carrying a gelatine emulsion for several minutes in a solution containing formaldehyde and aminoacetic acid, whereby said formaldehyde acts as an agent for artificially aging or hardening said gelatine, and said acid acts to neutralize the residual formaldehyde remaining in said emulsion.

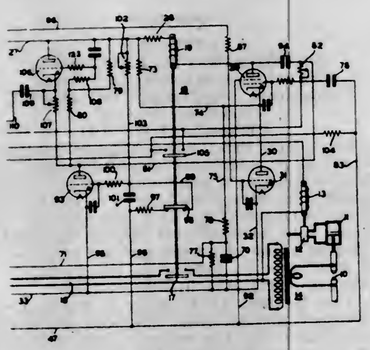
2. The method of treating a plate or film carrying a photographic emulsion which consists of immersing the exposed plate, after it has been developed and fixed, for several minutes in a solution containing formalin and an amino compound, whereby said formalin artificially ages said gelatine, and said amino compound combines with excess formalin in the gelatine to form inert compounds which do not interfere with ink pick-up, and the final step of tanning said plate in a solution containing a bichromate for making the portions of said plate containing metallic silver greasy ink selective.

2,493,839
SEQUENCE TIMING APPARATUS
Charles W. Thomas and Clyde E. Smith, Warren, Ohio, assignors to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application June 26, 1946, Serial No. 679,533
13 Claims. (Cl. 315—268)

1. Sequence timing apparatus comprising a pair of gaseous discharge devices each having a control grid and an associated circuit for impressing a D. C. voltage on its anode, a capacitor interconnecting the anodes of said devices, said circuits being operative to charge said capacitor upon conduction in either discharge device, a third gaseous discharge device, control relays in the anode circuits of one of said pair of devices and of the third discharge device, a switch to initiate conduction in the said one of the devices of said pair, and a timing circuit to initiate con-

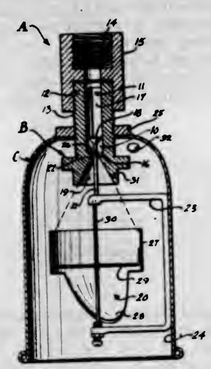
duction in said third discharge device upon the expiration of a predetermined time interval following the initiation of conduction in said one of said devices of said pair.



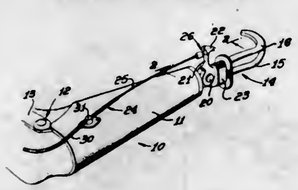


2,493,840
SHOWER HEAD
Wilfred Rush Thornton, Toronto, Ontario, Canada
Application July 28, 1947, Serial No. 764,066
3 Claims. (Cl. 299—126)

1. A shower head comprising a nozzle adapted for connection to a fluid supply, an impeller rotatably mounted below said nozzle, said impeller having an annular wall portion and a plurality of vanes depending therefrom, said nozzle having a valve chamber, and a valve adjustable within the chamber to vary the flow of water therethrough, said valve having a head with a cross section substantially smaller than the cross section of the valve chamber and a pin extending from said head and adapted to project through the orifice of said nozzle, said valve pin having a bead thereon adapted to partially break the water up into a spray as it passes through said nozzle, means adjustable with respect to the nozzle and adapted to bear against the projecting portion of said pin to adjust the position of said valve within the valve chamber and vary the amount and characteristics of the flow therethrough, said nozzle having an orifice adapted to direct the flow of water against the inner surfaces of said wall portion and of said vanes of said impeller whereby the impeller is caused to rotate and further break up the water into a finer spray.



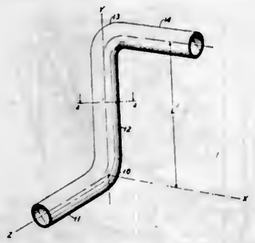
2,493,841
TERMINAL CONNECTION FOR CONTROL CABLES
Donald M. Threewit, Inglewood, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application August 2, 1947, Serial No. 765,750
4 Claims. (Cl. 287—87)



1. An articulated terminal connection for attaching a member comprising the control wire of a Bowden cable to another member comprising the operating lever of a utility hook, said connection comprising a substantially rigid link extending between said members, and means for connecting said link to each of said members for pivotal movement relative thereto.

2,493,842
WAVE GUIDE WITH PHASE COMPENSATING PAIRED BENDS
Warren A. Tyrrell, Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 25, 1944, Serial No. 519,595
15 Claims. (Cl. 250—33.63)

7. In combination, a hollow-pipe guide, means for rotating said guide about a longitudinal axis, means at one end of said guide for launching plane polarized waves into said guide for transmission therethrough or for receiving such waves from said guide, a pair of substantially equal arcuate bends of substantially the same phase length adjacent each other near the other end of said guide, said other end being open for the radiation or interception of radio waves and said bends being fixed in mutually perpendicular planes.

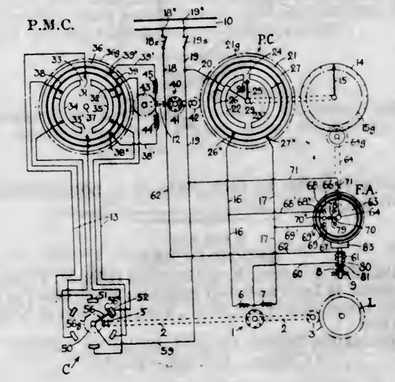


2,493,843
PLASTICIZING ELASTOMERS
John Richard Vincent, Newport, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1946, Serial No. 701,395
9 Claims. (Cl. 260—32.6)

1. The process of increasing the plasticity of an elastoprene of the class consisting of natural rubber and the polymers of 1,3-butadiene and of 2-chloro-1,3-butadiene which contain at least 50% of the 1,3-butadiene compound, which comprises intimately incorporating in such material in the unvulcanized form from 0.1% to 5.0% of an anilide of a beta-keto acid of the formula $R—CO—CH_2—CO—NHR'$, wherein R stands for a radical of the group consisting of phenyl and naphthyl radicals and alkyl radicals of from 1 to 6 carbon atoms, and R' stands for a radical of the group consisting of phenyl and naphthyl radicals.

2,493,844
AUTO-SYNCHRONOUS REMOTE CONTROL APPARATUS WITH FINE ADJUSTMENT MEANS
Michel N. Yardeny, New York, N. Y.
Application November 27, 1945, Serial No. 631,063
5 Claims. (Cl. 318—31)

1. A control apparatus for controlling a motor having reversing field windings and connected with a load at a remote point for placing the load in any desired position, comprising a pair of control elements at a control point, one of the elements comprising a pair of electrically conducting members connected in a circuit with the respective motor windings and separated by a gap, the other element comprising a contact arm for engaging the conducting members, a pilot motor for moving one of the elements, the other element being movable by other means for directional control of the motor corresponding to the engaged conducting member and for deenergizing the motor in response to the contact arm reaching the gap; means to control the pilot motor rotation by the load motor in steps of predetermined length for coordinating the load position with the position of the control element movable by other means; a supplementary pair of control elements at the control point, one of the said supplementary control elements comprising a pair of spaced contacts connected in circuit with the respective load motor windings, the other supplementary control element comprising a manually operable contact arm capable of engaging one or the other of said contacts; and means to normally urge the contact arm into a disengaged position, said disengaging means being rendered operative for the purposes aforesaid by an engagement between the contact arm and one of the contacts for limiting the current supply to the load motor to short impulses, thereby causing the load motor to be rotated in short steps until the desired load position between two successive steps is reached.



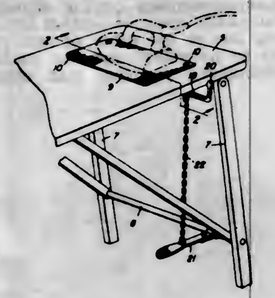
2,493,845
METHOD OF WATERPROOFING MINERAL WOOL
Joseph H. Zettel, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 2, 1945, Serial No. 602,929
2 Claims. (Cl. 117—126)

1. The method of treating newly formed mineral wool fibers comprising, admixing with the fibers an oleaginous liquid coating material adjacent the point of formation of said fibers to coat the fibers, and thereafter distributing onto said coated fibers a minor proportion of a powdered, water-repellent material selected from the group consisting of waxes, soap-forming fatty acids and metallic salts of soap-forming fatty acids whereby said powdered, water-repellent material is adhesively secured to the fibers by said oleaginous material.

2,493,846
MAGNETIC SADIRON HOLDER
Robert A. C. Andrews, St. Thomas, Ontario, Canada
Application January 22, 1948, Serial No. 3,737
6 Claims. (Cl. 38—107)

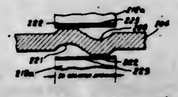
1. The combination with an ironing board having an aperture near one end, of a magnetic sadiron holder including a holder plate of magnetic material secured on said board and covering said aperture, a permanent magnet yieldingly supported in a working position beneath said holder

plate, and means to move said magnet down-



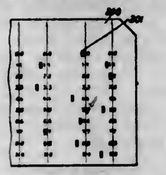
wardly relative to said plate to a non-working position.

2,493,847
RECORD CARD
Waldemar A. Ayres, Kew Gardens Hills, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 28, 1947, Serial No. 737,771
5 Claims. (Cl. 235—61.12)



2. A machine control element formed with embossed columnar ridges with certain portions of said ridges being serrated to make them of different frictional nature than the other portions of the ridges, said serrated portions being differentially displaced along the ridges to be representative of data.

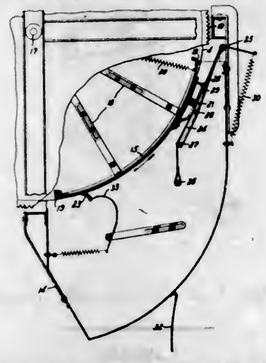
2,493,848
RECORD CARD
Waldemar A. Ayres, Kew Gardens Hills, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 15, 1939, Serial No. 309,445, now Patent No. 2,366,827, dated January 9, 1945. Divided and this application March 28, 1947, Serial No. 737,772
8 Claims. (Cl. 235—61.12)



2. A machine control element bearing index points of a lubricating material such as wax, which is deposited at differential positions thereon to be representative of data.

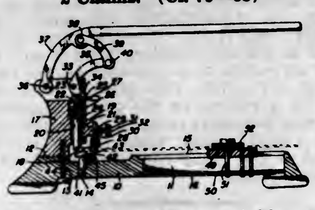
2,493,849
AIR CLEANER
Agnew H. Bahnson, Jr., Winston-Salem, N. C.
Application May 15, 1945, Serial No. 593,788
11 Claims. (Cl. 183—69)

1. An air cleaner comprising a hollow cylinder having a filtering cylindrical wall, means for revolving the cylinder, means for passing air to be filtered through the cylindrical wall, a sheet of fabric yieldingly held against the outer surface of the cylinder and a brush carried by the cylin-



der and extending outwardly from the outer surface thereof and serving to remove the mass of filtered material accumulated by said sheet of fabric.

2,493,850
SAW SET
Kenneth Blackmon, Hinsdale, N. Y.
Application October 16, 1947, Serial No. 780,146
2 Claims. (Cl. 76—68)

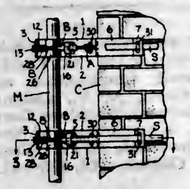


1. A saw set comprising a table, an anvil mounted near one end of the table for vertical adjustment, saw supporting means mounted on the table for adjustment toward or away from the anvil, said anvil having an inclined face over which projects a saw tooth carried by a saw blade mounted on the saw supporting means, a post carried at said one end of said table, a plunger mounted on said post above the anvil for vertical movement toward and away from the table, resilient means normally urging said plunger away from said anvil, an inclined face on the lower end of the plunger for engagement with the saw tooth that projects over the anvil, a hand lever carried by said plunger for rotating the same about its longitudinal axis to move the inclined face thereon into various angular positions relative to the inclined face on the anvil, a presser roller mounted for vertical adjustment on said post adjacent said plunger, and means to advance the plunger toward the anvil to bend the projecting saw tooth relative to the saw blade.

2,493,851
ANTENNA MOUNTING CLAMP
Marvin J. Blaugrund, Shaker Heights, Ohio
Application August 17, 1949, Serial No. 110,781
9 Claims. (Cl. 248—231)

6. In a strap-secured mounting clamp of the character described, the combination of a body,

an adjusting screw supported by said body, a strap-anchoring element slidably carried by said adjusting screw, said element having strap-receiving apertures therein, and a strap clamping



member threadedly engaging said adjusting screw, said member having gripping surfaces disposed toward said element, whereby to clamp a strap against said element in response to rotation of said screw.

2,493,852
SANDING BLOCK
Teofil L. Bonkowski, Los Angeles, Calif., assignor to Merit Products, Inc., Los Angeles, Calif., a corporation of California
Application June 1, 1948, Serial No. 30,351
15 Claims. (Cl. 51—187)



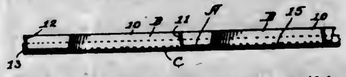
1. An abrasive tool comprising a central tapered block; a resilient rubber-like sleeve encircling the block, the wall thickness of the sleeve varying gradually from a relatively thin portion to a relatively thick portion; and an abrasive strip encircling the sleeve.

2,493,853
LIFESAVING DEVICE
Gaspar Robert Bossetta, New Orleans, La.
Application March 18, 1947, Serial No. 735,447
9 Claims. (Cl. 254—151)



1. A life saving device of the class described comprising a relatively fixed foundation including hub means, a reel mounted freely for rotation on said hub means, said reel being adapted to carry a safety cable, said reel including a friction brake drum, a cylinder, a spring in said cylinder, a brake shoe cooperable with the spring, said brake shoe being also cooperable with the brake drum, and means for adjusting and regulating the tension of the spring to control the action of the brake shoe, said means including a depending bar provided with a foot pedal, said bar having one end portion engageable with said spring.

2,493,854
CULINARY IMPLEMENT
Ruby Clara Frederica Brainard, Altadena, Calif.
Application May 19, 1947, Serial No. 748,951
1 Claim. (Cl. 107—19)



A culinary implement, comprising a thin substantially flat mold plate having a plurality of mold matrices therein, each of said matrices being formed by an opening through said plate and an upturned marginal flange tapering outwardly around said matrix above the plate, said flanges around said matrices being of even height above the mold plate, a mold board for supporting the mold plate with the enlarged portions of the matrices downwardly, and a transfer sheet placed between the mold board and said mold plate by which all of the molded articles can be shifted simultaneously off of the mold board when the mold plate has been stripped from the molded articles.

2,493,855
ROPE GLIDER
David H. Bucks, Milwaukee, Wis.
Application June 20, 1947, Serial No. 756,075
2 Claims. (Cl. 116—173)

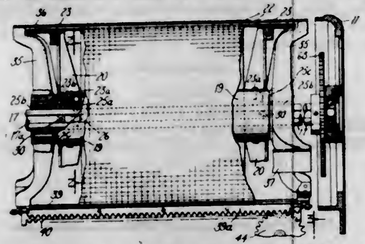


1. A glider for flagpole halyard sections comprising a solid body having a pair of close spaced openings extending from top to bottom thereof through each of which a halyard section passes, each opening being of substantially greater diameter than the diameter of the section extending therethrough, a thumb screw threaded through a side wall of the body into one of the openings, said screw and the wall of said opening adapted for engagement between them of a portion of one section sufficiently long as to cause the body and the engaged section to be retained in perpendicular relation against relative movement, and means on the marginal portion of the body for catching a corner of a flag thereto.

2,493,856
MOUNTING MEANS FOR TYPE CYLINDERS
Eugen Buhler, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application May 3, 1946, Serial No. 666,960. Divided and this application April 19, 1947, Serial No. 742,630
3 Claims. (Cl. 197—48)

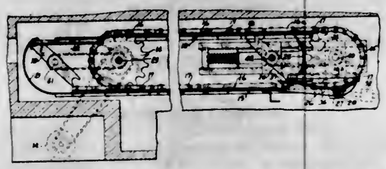
1. A machine including a rotatable shaft, a type cylinder or the like, and means for mount-

ing the cylinder on the shaft for axial travel, said mounting means including hub pieces for the cylinder surrounding the shaft with clearance, and anti-friction rollers journaled in the hub pieces with their axes extending at right angles to the axis of the shaft, said rollers being so spaced as to engage equidistant surfaces of the shaft to afford evenly distributed anti-friction



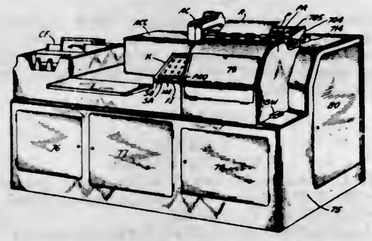
traction for the cylinder along the shaft, said shaft being formed with a keyway, said hub pieces also being provided with ball-bearing rollers riding in said keyway to afford anti-friction keying of the cylinder to the shaft, whereby the cylinder is mounted for rotation with the shaft and, at the same time, may travel along the shaft on solely anti-friction means, including the anti-friction keying rollers.

2,493,857
BAKE OVEN CONVEYER
Maxwell F. Cargill, Maywood, Ill., assignor to Middleby-Marshall Oven Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1948, Serial No. 17,429
5 Claims. (Cl. 198—138)



1. In a bake oven conveyor comprising a pair of endless chains, front and rear sprockets over which the chains pass at the ends of the conveyor, horizontal upper and lower tracks supporting the upper and lower runs of the chains between the respective front and rear sprockets, trays each having laterally extending pivots securing one end of the tray to opposed portions of the chains and provided with laterally extending rollers at the opposite ends for contact with the tracks for supporting the trays in horizontal relation as the trays move along said tracks, arcuate tracks each located between the upper and lower horizontal tracks adjacent one end of the conveyor and spaced at the lower ends from the lower tracks to provide gaps through which the pivoted ends of the trays can pass in succession along the lower horizontal tracks, transfer means for engaging the rollers of each tray in succession for moving the same along said arcuate tracks as the trays move from one run of the conveyor to the other, and pivotally mounted switch devices each comprising a switch element movable into one of said gaps for cooperation with the respective transfer means for guiding the rollers of the trays in succession across said gaps, each device having a lever arm extending longitudinally of the conveyor into positions for engagement with each tray in succession for supporting the switch elements in normal switching position in said gaps as the rollers of the respective trays pass across the gaps.

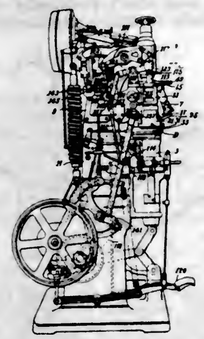
2,493,858
ALPHABET PRINTING TABULATOR WITH PROGRAM CONTROLS
Fred M. Carroll, Binghamton, and Arthur F. Smith, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 28, 1942, Serial No. 467,244
54 Claims. (Cl. 235—61.8)



39. A machine controlled by groups of record cards bearing classified data and classified group control numbers, means for sensing data on said records, means for feeding said records successively past said sensing means, a sectionalized means for detecting changes in card groups according to class, manual means for selecting other classes of totals, a plurality of means for controlling the functions of said machine, a program sheet for automatically calling said function controlling means into operation in a predetermined sequence, said sheet bearing a plurality of columns and rows of perforation positions, each vertical column relating to a different functional control and each row relating to a different class of group change for classified totals, said rows being arranged in recurring blocks, each of said blocks related to a cycle of operation of the machine, a line of sensing brushes arranged to cooperate with one or the other of said rows of perforation positions, means normally holding said line of brushes in a normal ineffective position, means under control of said sectionalized group control means and said manual total class selecting means for controlling differential movement of said brushes to a program selecting position dependent on the selected class of total, means for moving said brush holder, connections between said brushes and said function controlling means, a holder for said program sheet, means for moving said holder and said sheet step by step to move the sheet from block to block under the brushes for a sequence of control cycles, and means for restoring said holder and program sheet.

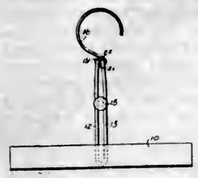
2,493,859
HEEL-PRICKING MEANS
Thomas Baggott Clarke and Arthur Alan Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application January 16, 1945, Serial No. 573,026. Divided and this application September 20, 1947, Serial No. 775,286. In Great Britain February 4, 1944
9 Claims. (Cl. 164—86.5)

1. In a pricking machine, resilient means, a pair of members which are constructed and arranged to be engaged by the attaching and tread faces respectively of a built-up heel having a plurality of lifts, and which are mounted for relative yielding movement against the action of said resilient means to compress said heel heightwise, awls, means for effecting relative movement in opposite directions generally heightwise of the



heel between said awls on the one hand and said members and the compressed heel on the other hand to cause the heel to be pricked, and means for positively locking said members against relative movement while the awls and heels are in engagement to insure that the lifts of the heels shall not be separated during the pricking operation.

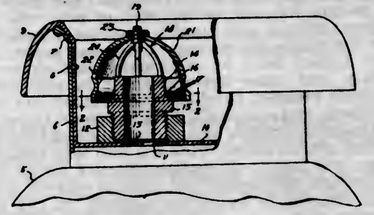
2,493,860
HANGER FOR TROUSERS AND SKIRTS
George C. Deck, Buffalo, N. Y.
Application March 18, 1947, Serial No. 735,420
5 Claims. (Cl. 223—96)



1. A hanger for trousers or skirts comprising parallel retainer elements between which the trousers or skirt are extended, wire portions extending upwardly from the elements, two of such wire portions extending up from each of the elements and such portions being spaced apart, a spool like element extending from one set of wire portions to the other set and between the wire portions of each set, said spool like element having inclined portions over which the wire portions will slide as the upper ends of the wire portions are brought close together whereby to cause a camming action upon the wire portions to bring their lower ends together and the parallel retaining elements to place the same in clamping engagement with the trousers or skirt, and means for bringing the upper ends of the wire portions together and locking them in their brought together position.

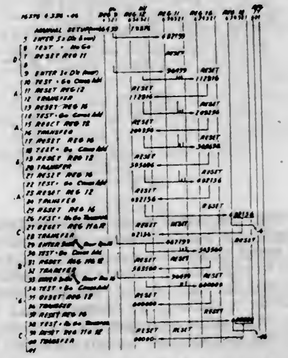
2,493,861
AIR VENT
Felix Duran, Earl, Colo.
Application October 15, 1946, Serial No. 703,297
3 Claims. (Cl. 220—44)

1. The combination with a cup-shaped cover adapted to fit snugly within the neck of a milk can and including a horizontal bottom wall formed with an opening, of a nipple having its lower end attached to said bottom wall in communication with said opening, said nipple having an external shoulder intermediate its ends, a centrally apertured strainer plate fitted over the upper portion of said nipple and seated at its



inner portion upon said shoulder, a spider including a vertical stem having depending downwardly diverging legs rigidly secured at their lower ends to the upper edge of the nipple, and a centrally apertured otherwise imperforate dome centrally secured on said stem and seated near its lower end on the outer portion of said strainer plate, said dome and stem being wholly disposed below the top of said cover.

2,493,862
DIVIDING MACHINE
Benjamin M. Durfee, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 3, 1946, Serial No. 700,877
13 Claims. (Cl. 235—61)

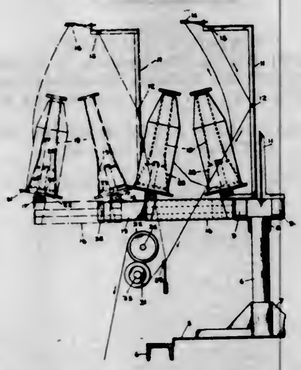


1. In a dividing machine, a register settable to represent a dividend, a register settable to represent a divisor in the form of a complement, a trial register, means controlled by said divisor register for entering the complement of 5 times the divisor, or the complement of 1 times the divisor into said trial register, comparing means controlled by the trial and dividend registers for ascertaining whether the amount set up in the trial register will go or will not go into the amount set up in the dividend register, means for initially causing the divisor register to control entry of the complement of 5 times the divisor into the trial register, and causing an operation of said comparing means, devices controlled by said comparing means upon ascertaining a no go condition

with the complement of 5 times the divisor in the trial register, for causing resetting of the trial register and entry therein of the complement of 1 times the divisor.

8. In a machine of the class described, a register settable to represent a number whose square root is sought, a trial register, an intermediate register, a root register, means for initially setting said trial register to represent the square of 5, means for comparing said square with the highest part of said number, means controlled by the comparing means when the square is less than said highest part, for subtracting said square to obtain and enter the remainder in said intermediate register, resetting the number and trial registers, and entering the remainder in the number register, further means controlled by the comparing means for entering a 5 into said root register, and means thereafter effective under control of the root register for causing entry into the trial register of twice the amount in the root register plus 1.

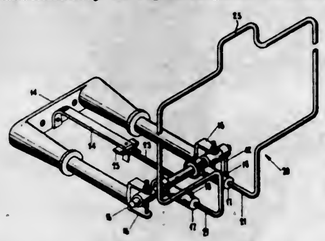
2,493,863
CREEL
William J. Elvin, Frostburg, Md., and Elmer R. Stahl, Meyersdale, Pa., assignors to Celanese Corporation of America, a corporation of Delaware
Application October 30, 1946, Serial No. 706,746
3 Claims. (Cl. 242—131)



1. A creel for winding or twisting textile machines having a bar extending transversely thereof, said creel comprising a rail having one end attached to said bar, a slide telescopically carried by said rail for movement relative thereto, an arm, having a yarn guide thereon, and brackets fixed to said slide and means carried by said brackets for supporting a yarn package thereon.

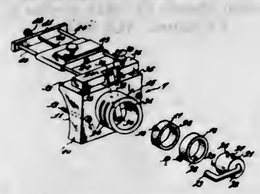
2,493,864
STEAMING AND PRESSING MACHINE
Benjamin G. Forman, Brooklyn, N. Y., assignor to Wilbe Research Corporation, New York, N. Y., a corporation of New York
Application July 23, 1947, Serial No. 762,875
4 Claims. (Cl. 223—70)

4. In a steaming and pressing machine for knitted garments, said machine being adapted for applying steam from the exterior of the cloth, a table, a steaming and shaping frame pivotally mounted below the lower surface of said table, comprising a bracket secured below the lower surface of said table, a shaft rotatably mounted in said bracket and parallel with said table, socket arms secured to said shaft, a substantially rectangular solid skeleton frame detachably secured to said shaft and extending above said table, the lower end of said frame having feet positioned in right angular relation thereto and being clamped in said socket arms, said feet being adjustable to and from each other, whereby said frame may be swung about said shaft forwardly into a position substantially in right-angular relation with



said table for mounting a garment thereon, said frame being also movable to lie flat in garment steaming position upon said table, said frame having a collar extension intermediate the shoulder section, and means on said collar extension for adjusting the shoulder or upper portion of said frame jointly with the adjustment of said feet or lower portion of said frame for mounting garments of various sizes on said frame.

2,493,865
GUN SIGHT MOUNT
Emery L. Foster, Raytown, Mo.
Application October 17, 1947, Serial No. 780,431
3 Claims. (Cl. 33—50)



1. A gun sight mount comprising a base adapted to be detachably mounted against a side of a portion of a firearm barrel, a head disposed above said base and slidably connected thereto for movement toward and away from the base, guide means supported by said head and projecting laterally therefrom and adapted to be disposed transversely across the barrel, a sight supporting member mounted for sliding movement on said guide means transversely of the barrel, a drum or disc rotatably disposed in said base and adapted to be manually rotated relatively thereto, a link eccentrically connected to said drum or disc and pivotally connected to the head for raising and lowering the head, relatively to the base, when said drum or disc is revolved, said drum or disc being provided with spring pressed detent members slideably disposed for radial movement therein and projecting from the periphery thereof, said detent members being longitudinally spaced from one another, said base being provided with a barrel portion having a plurality of longitudinally spaced, circumferentially extending slots, a plurality of ring members rotatively disposed in said barrel portion and each provided with a clamp member extending through one of said slots and adjustable for clamping the ring thereof adjustably to the barrel portion, and each of said rings being provided with an inwardly opening indentation for receiving one of said detent elements releasably therein whereby said sight support may be adjusted accurately to various elevations by manually rotating said drum or disc for selectively positioning the detents thereof in said indentations.

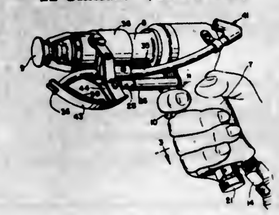
2,493,866
RECOVERY OF ABIETIC ACID
Frederick H. Gayer, Chicago, Ill., assignor to Continental Research Corp., Chicago Heights, Ill., a corporation of Illinois
No Drawing. Application May 3, 1947, Serial No. 745,721
23 Claims. (Cl. 260—97.5)

1. The method of recovering abietic acid from mixed resin acid material of the group consisting of rosin, isomerized rosin, tall oil resin acids, and their mixtures, and alkali metal soaps of said materials, which comprises preparing an aqueous dispersion containing said resin acid material at a free resin acids ratio in the range of from 75% to 100% in from 10 to 200 parts by weight of water, and crystallizing abietic acid therefrom by permitting the dispersion to stand at a temperature of from about normal room temperature to about 100° C.

2,493,867
RECOVERY OF ABIETIC ACID IN THE FORM OF ITS QUARTER SALT
Frederick H. Gayer, Chicago, Ill., assignor to Continental Research Corp., Chicago Heights, Ill., a corporation of Illinois
No Drawing. Application May 3, 1947, Serial No. 745,723
21 Claims. (Cl. 260—97.5)

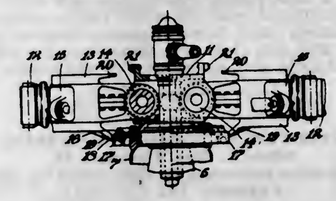
1. The method of recovering abietic acid from mixed resin acid material of the group, consisting of rosin, isomerized rosin, tall oil resin acids and their mixture, and alkali metal soaps of said materials, which comprises preparing an aqueous dispersion containing said resin acid material in partially neutralized condition at a free resin acids ratio in the range of from 10% to 75% and in from 10 to 50 parts by weight of water, and crystallizing abietic acid therefrom in the form of its quarter salt by permitting the dispersion to stand at a temperature of from about normal room temperature to about 100° C.

2,493,868
AIR GUN RIVET FEED
Harry McMurtry Griffin, Webster Groves, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application October 26, 1943, Serial No. 507,767
11 Claims. (Cl. 78—48)



9. The combination of a rivet gun having a pneumatically operated reciprocable hammer, an air-control trigger movable between "off" and "on" positions for operating said hammer, a rivet magazine, a rivet carrier mounted on said gun and movable between rivet-receiving and rivet-inserting positions, means for supplying air to said magazine whereby to urge rivets contained therein towards said rivet carrier, and means connected to said carrier and operated by said trigger for moving said carrier to its rivet-receiving position when said trigger is moved to its "on" position and to its rivet-inserting position when said trigger is moved to its "off" position.

2,493,869
CONTROL MEANS FOR THE BLADES OF THE SUSTAINING ROTOR OF A ROTARY-WING AIRCRAFT
Raoul Hafner, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application June 3, 1947, Serial No. 752,263
In Great Britain May 30, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 30, 1966
5 Claims. (Cl. 170—160.52)

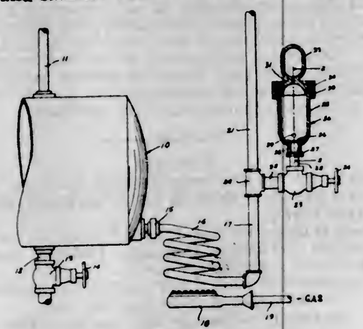


1. A rotor assembly for a rotary-wing aeroplane comprising a rotor hub, means to drive the hub, at least two blades carried by the hub for rotation therewith, a hinge member for each blade by which it is attached to the hub for flapping movement, a structure engageable by the blades to limit their downward flapping movement and resilient means by which said structure is supported for rotation with the hub whereby, on flapping of the blades, engagement of the structure by less than all of the blades displaces the structure towards the other blade.

2,493,870
CHEMICAL INJECTION DEVICE
Louis M. Hartwick, Beaver, Pa.; M. Josephine Hartwick administratrix of said Louis M. Hartwick, deceased
Application March 5, 1946, Serial No. 652,175
2 Claims. (Cl. 210—31)

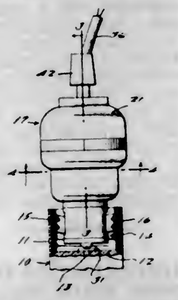
1. Apparatus for injecting chemical material into the feed line of a pressure water system whenever the normal pressure of the system is reduced, said apparatus comprising a chemical containing chamber comprising a vertical cylindrical hollow body, means on the lower end of said body adapted to be connected with the feed line to provide sole communication between the interior of said chamber and the feed line, an air cushion chamber on the upper end of said hollow body, and means providing restricted communication between said air cushion chamber and the interior of said hollow body whereby an air cushion is trapped under pressure in said air cushion chamber while the system is under normal pressure and water from said feed line enters said chemical containing chamber and mixes with the chemical therein, and whereby said air cushion expands upon a reduction in pressure in said sys-

tem below normal and produces a flow of chemical and water mixture from said chemical containing chamber into said feed line, said hollow body being open at its upper end to receive chemical, and said air cushion chamber comprising a



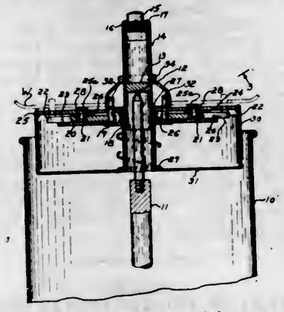
cover removably closing the upper end of said body, a hollow globe rising from said cover, and said restricted communication means comprising a relatively small diameter passage formed in said cover and said globe and connecting the interior of said globe with the interior of said hollow body.

2,493,871
ELECTRIC EXTENSION CORD PLUG
Albert C. Hass, Elmhurst, Ill.
Application December 23, 1948, Serial No. 66,925
2 Claims. (Cl. 173—360)



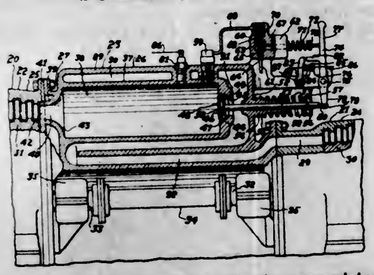
2. An electric extension cord plug comprising an elongated, hollow shell longitudinally split into two substantially similar parts, said shell having at one end a reduced cylindrical portion receivable in a screw socket and provided with oppositely-disposed slots in its cylindrical wall, a pair of dogs of electrically conductive material pivotally mounted in said shell and having serrated end portions projectible through respective slots in said reduced portion to engage the inner surface of a screw socket receiving said reduced portion of said plug, a plunger slidable in said plug shell, means pivotally inter-connecting the adjacent ends of said plunger and said dogs for pivotal movement of said dogs upon longitudinal movement of said plunger in said shell, a handle secured to the end of said plunger opposite the dog-connected end of the latter and extending through the end of said shell opposite said reduced shell portion, an end wall on said reduced portion, a center contact carried by said end wall, a pair of binding posts in said plug shell receiving respective wires of an extension cord, and means in said shell electrically connecting said center contact and said plunger to respective binding posts, said means pivotally interconnecting said handle and said dogs comprising a pair of links each pivotally connected at one end to said handle at one end of the latter and pivotally connected at their opposite ends to said dogs respectively, said links having a longitudinally aligned operative position in which they lock said dogs in projected position.

2,493,872
WHEEL BALANCER
Thomas H. Henry, Los Angeles, Calif.
Application January 6, 1947, Serial No. 720,340
3 Claims. (Cl. 73—66)



1. A wheel balancer comprising a support, wheel-supporting means mounted for universal tilting movement upon the support, means for indicating the tilt of the wheel-supporting means on the support, said wheel-supporting means having two parts rotatable relative to each other about a vertical axis through the center of tilt, one of said parts having a central gear rigid therewith, the other of said parts having three gears rotatably mounted thereon meshing with the mentioned gear and adapted to be driven thereby on rotation taking place between said parts, means carried by the gears adapted to engage a wheel placed upon the wheel-supporting means to center it relatively to said support, and means for causing relative movement to take place between said parts.

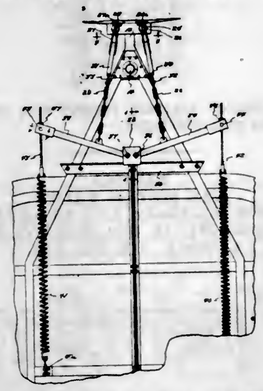
2,493,873
EXPLOSION GAS TURBINE PLANT
Frank A. Hill, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application April 25, 1945, Serial No. 590,249
2 Claims. (Cl. 60—41)



1. An explosion turbine plant, comprising a turbine, a casing having an explosion chamber

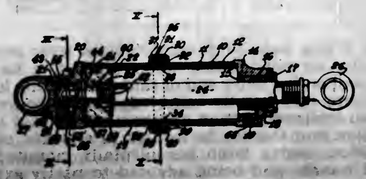
for supplying explosion gas to the turbine, a fuel-metering device for the explosion chamber, an igniting device for igniting the fuel in the chamber, said casing having a port at the explosion end of the chamber for admitting combustion-supporting air into the said chamber, a reciprocatory valve to control the port, and spring means to oppose endwise movement of the valve in either direction and acting to hold the valve normally in an unseated position.

2,493,874
TRAILER HITCH
Horace D. Hume, Mendota, Ill.
Application November 27, 1948, Serial No. 62,291
7 Claims. (Cl. 280—33.9)



1. A trailer hitch for coupling a trailer to a tow car comprising in combination a bracket having three connecting members thereon, one connecting member being spaced vertically above the other two connecting members, and the other two connecting members being spaced apart transversely of the tow car and on opposite sides of a vertical line through the first named connecting member, of a rigid draw bar fixed to the trailer and attached to the first named connecting member on said bracket by an universal joint, and resilient flexible connecting means, attached to the other two connecting members on the bracket by universal joints and to the trailer.

2,493,875
HYDRAULIC CYLINDER CONSTRUCTION
Frank B. Hunter, Van Nuys, Calif., assignor to Casimir A. Miketta
Original application August 20, 1945, Serial No. 611,623, now Patent No. 2,451,089, dated October 12, 1948. Divided and this application September 13, 1948, Serial No. 48,988
2 Claims. (Cl. 121—40)



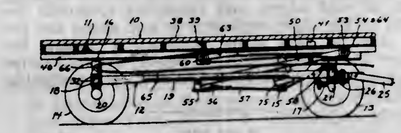
1. In a hydraulic cylinder assembly comprising a cylinder member providing a smooth-surfaced bore, a piston slidable therein, a valve device for controlling the flow of hydraulic fluid to the cylinder member comprising an axial bore at one end of the cylinder, a transverse bore intersecting the axial bore forming a chamber at the intersection, a locking pin on the piston adapted to extend into the intersection having an annular recess adjacent the end thereof, a spring pressed release piston having a sealed sliding fit in the transverse bore on each side thereof and having an inner end of each shaped to engage a part of the annular recess on the pin in initial position, and an inlet for hydraulic fluid in communication with the inside faces of said last pistons whereby said last pistons are moved to a second position released from engagement with the pin when the pressure exceeds a predetermined amount.

2,493,876
STRAIGHTENING PULL-THREADS IN NYLON HOSE
Robert D. Hutchison, Croydon, Pa., assignor to Chadbourn Hosiery Mills, Incorporated, a corporation of North Carolina
Application January 18, 1949, Serial No. 71,405
13 Claims. (Cl. 66—1)



3. The method of straighening a pull-thread in nylon hose and permanently restoring the straightened thread to its original length and position, comprising stroking the pull-thread with a rounded point needle until the pull-thread is straightened, moistening the straightened thread, and heating the thread at a temperature sufficient to set the nylon thread without damaging the hose.

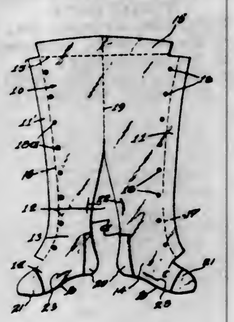
2,493,877
DUMPING MECHANISM FOR FARM VEHICLES
Leroy R. Jacobs and Guy R. Halterman, Yellow Springs, Ohio
Application September 24, 1947, Serial No. 775,912
4 Claims. (Cl. 298—20)



2. In a vehicle having a chassis, a body, and a rearwardly positioned pivot therebetween, a dumping mechanism for the body comprising a strut, means for pivoting one end of the strut on the ground forwardly of the pivot, means for forcibly sliding the other end of the strut along the bottom of the body rearwardly from the forward end thereof and for allowing the weight of the body to return the said other end to the said

forward end, a surface on the strut intermediate its ends and displaced forwardly a substantial distance from a line joining the ends, an abutment on the chassis adapted to be engaged by said surface during the latter portion of the body return and during the initial portion of the body lifting, whereby the strut is rocked about the abutment to lift its said one end from the ground and whereby a substantial moment arm is obtained for the initial forcible sliding of the said other end, and means for limiting rearward movement of the said one end.

2,493,878
HOSIERY GUARD
Laura L. Kirtz, Cleveland, Ohio
Application August 4, 1947, Serial No. 765,901
1 Claim. (Cl. 2—61)



A hosiery guard in the form of a stocking having closed foot, ankle and calf portions, comprising a single sheet of waterproof material cut from one end on its longitudinal center through approximately half the length of the sheet forming two separate portions, said separate portions being adapted to form ankle and foot portions, the outer longitudinal edges of the sheet being curved outwardly toward the opposite end of the sheet, the sheet being folded on its longitudinal center to superimpose one of the foot and ankle portions over the other, the adjacent edges of the foot and ankle portions being sealed together throughout the length of such adjacent edges to the lower part of the front of the ankle, the said outwardly curving outer edges being unconnected, a portion of the sheet along each of said outer edges being adapted to provide a fold strip along each of said edges, and fastening elements secured to the sheet adjacent to and along the inner sides of said strips facilitating joining together the said longitudinal edges, said fold strips being adapted when folded to cover the fastening elements.

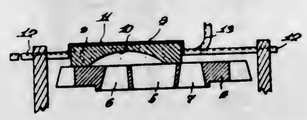
2,493,879
ATTACHMENT FOR WHEELS
Ted Koniskey, Bayfield, Wis.
Application November 12, 1948, Serial No. 59,515
4 Claims. (Cl. 152—405)

1. In a wheel, a discerptible tire supporting attachment comprising a first rim and a second rim, means for retaining said first rim on said second rim, and latch means for releasably locking said retaining means, said retaining means including spaced shoulders on said first rim, spaced slots in said second rim for receiving said shoulders, spaced apertures in said first rim and hooked



catches pivoted on said second rim engageably received in said apertures.

2,493,880
GAS METER VALVE
Frederick W. Korfmann, Long Island City, N. Y.
Application May 19, 1944, Serial No. 536,365
4 Claims. (Cl. 251—159)



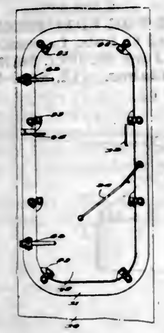
2. A valve substantially rectangular in plan and comprising a carbon insert housed at least partially within a malleable metallic shell, said insert having a recessed face in which the recess extends only partially through the insert and is surrounded substantially by a rectangular border having a plane seat engageable face, oppositely extending bendable guide rods integral with and projecting from opposite sides of the shell, and a bendable metallic connecting element also integral with and projecting from the shell.

2,493,881
LIFTING GATE LATCH
Parks R. Ladd, Junction City, Ky.
Application August 25, 1948, Serial No. 46,119
1 Claim. (Cl. 292—66)



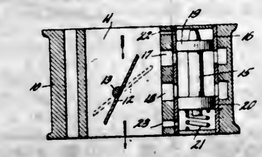
A lifting gate latch comprising a lever section having an outstanding lower portion, a handle pivoted on the outer end of said outstanding lower portion, said handle being adapted to be swung to an inclined position and partly over said lever section and thereby be located in a locked or set position, and a latch bar pivotally mounted on said handle and being adapted to partly extend over said outstanding lower portion when said latch device is in a locked or set position.

2,493,882
DOOR LATCH STRUCTURE
Francis M. Lambert, Narberth, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1946, Serial No. 713,974
In Great Britain December 5, 1945
4 Claims. (Cl. 292—12)



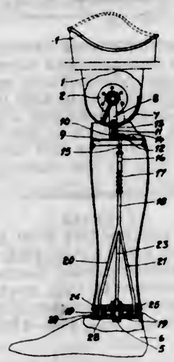
1. In a door construction having a door hinged to a door frame, the combination of a plurality of dogs mounted on said frame for movement between dogging positions in which they retain the door in closed position and undogging positions in which they lie completely clear of the doorway and door, a linkage mechanism interconnecting all of said dogs for operation from a single point, and detent means cooperating with one of said dogs to retain said dog and thereby all of said dogs in their undogged positions clear of said door and doorway when said door is in other than its closed position, said last named means including a member carried by the hinged edge of the door in proximity to one of said dogs and having a wall extending along a portion thereof, said member being so constructed that said wall lies out of the path of movement of said last-mentioned dog when said door is shut thereby permitting free movement of the dog and thereby all of the dogs to and from their dogged positions, and said wall obstructs movement of said dog and thereby all of the dogs from their undogged positions when said door is in other than its closed position.

2,493,883
SPEED GOVERNOR
Torleif Ingolf Larsen, Farmington, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application May 26, 1945, Serial No. 595,990
4 Claims. (Cl. 137—153)



1. In a speed governor for internal combustion engines, a governor body enclosing a fuel-mixture conduit, an unbalanced throttle-plate supported in said conduit and arranged to be moved toward closed position by the flow of fuel mixture therethrough, resilient means for resisting said movement in the closing direction, and means for supplementing the closing forces acting on said throttle-plate when in semi-closed position, said last means comprising an auxiliary fuel-mixture passage by-passing that portion of said fuel conduit responsive to the pressure differential across said throttle plate but occupied by the upstream edge of the throttle-plate when in semi-closed position, a valve for controlling or stopping the flow of fuel mixture through said passage, means urging said valve towards open position, and means acting independently of the pressure within said passage for moving said valve toward closed position as said throttle-plate approaches closed position.

2,493,884
PROSTHESIS
Torsten V. Larsson and Sven H. Dahlbäck, Skelleftea, Sweden
Application April 24, 1946, Serial No. 664,514
In Sweden April 26, 1945
9 Claims. (Cl. 3—2)

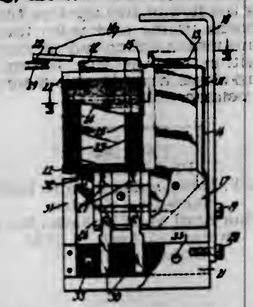


9. In a limb prosthesis including articulated upper and lower limbs, means for locking the articulation between said limbs at any arbitrary angular position, said locking means comprising, a stationary arcuate locking bar secured to one of said limbs in the plane of articulation, a bell-crank locking lever pivotally secured intermediate its ends to the other limb, one arm of said lever being provided with a sharply edged slot receiving said locking bar, and an actuator member within and displaceable in the longitudinal direction of said other limb to engage the other arm of said lever and rock the latter thereby causing the edges of said slot to jam and lock against the opposite faces of said locking bar.

2,493,885
ELECTROMAGNET
James Last, Southampton Row, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 18, 1946, Serial No. 717,050
In Great Britain February 13, 1946
2 Claims. (Cl. 175—336)

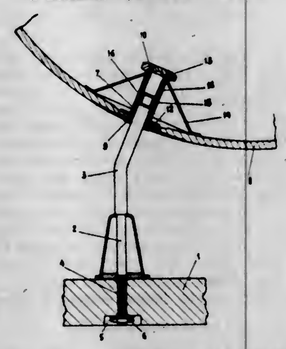
1. An electromagnetic device comprising a thin U-shaped plate having its arms spaced from each other a distance many times the thickness of the plate, each said arm having a width many times its thickness, an armature consisting of a second thin plate disposed against the ends of the said arms, said armature being shaped and

arranged to pivot near its one end on a knife edge formed by the intersection of the end and the inner edge of one said arm, a spring normally biasing the armature away from the end of the other said arm, and a winding around the last mentioned arm for setting up flux therein to attract and operate the armature to overcome the said spring, the said winding having turns each



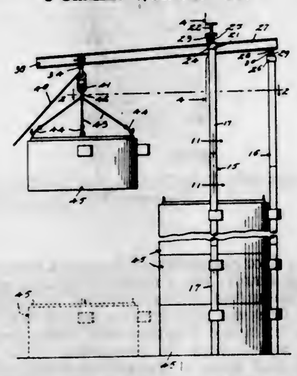
consisting of portions lying closely adjacent to the faces of the said arm and other portions extending beyond the edges of said arm a distance many times the thickness of said plate, whereby the length of said other portions may be variably selected without variations in the length of the turns materially affecting the amount of flux induced in said arm by the winding.

2,493,886
BEARING ARRANGEMENT FOR ROTATABLY SUPPORTED SHELL-SHAPED BODIES
Theo K. Lütolf, Zurich, Switzerland
Application September 14, 1946, Serial No. 697,025
In Switzerland January 9, 1946
4 Claims. (Cl. 308—139)



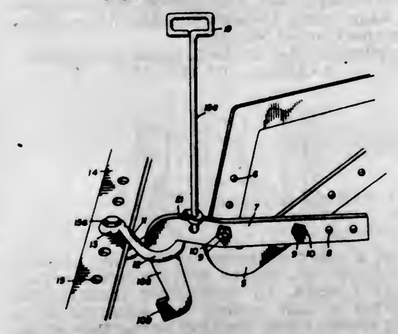
4. A bearing arrangement for rotatably supported shell-shaped bodies, such as globes, comprising a sleeve extending into the shell-shaped body and having at one end a flange engaging the outer surface of said body and having on its other end, which is positioned within said body, an exterior thread on which a nut is mounted, a second sleeve positioned on said first named sleeve and having a flange on one end engaging the inner surface of said body, a conically shaped socket member arranged concentrically about said two sleeves and resting with its larger diameter against the inner face of said shell-shaped body and with its smaller diameter against said nut, the latter urging said second sleeve and said conically shaped socket member in frictional clamping engagement with the inner face of said shell-shaped body, and a supporting base having an upwardly projecting bearing pin the upper end of which extends into said first named sleeve to rotatably support said shell-shaped body.

2,493,887
CRANE FOR ERECTING SILOS
Willard C. Latz, Lancaster, Pa.
Application June 20, 1947, Serial No. 755,949
3 Claims. (Cl. 212—82)



1. A crane comprising a pair of upright tubular columns, an intermediate upright tubular column spaced from said pair of columns, each column being formed of tubular sections with each section having a tubular connector in one end thereof projecting from said one end and telescoping into an adjacent section, a beam pivotally mounted on and connecting the upper ends of said pair of columns, an elongated elevator beam pivotally secured at one end thereof to the upper end of said intermediate column, means pivotally connecting an intermediate portion of said elevator beam to said first named beam, a carriage movably carried by said elevator beam, and an elevating sheave carried by said carriage.

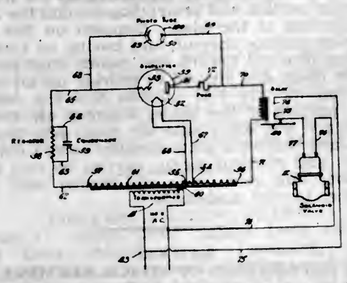
2,493,888
TRACTOR HITCH
Steve Maras, Jackson, Minn.
Application November 25, 1946, Serial No. 712,176
3 Claims. (Cl. 280—33.15)



2. In combination with a hitch carried by a farm implement, a shank, means for securing

said shank at selected inclined positions relative to the hitch, a downwardly extending hook at one terminal of said shank, said hook having an upper inner edge, a notch provided in the upper inner edge of said hook, and a clevis carried by a tractor hitch engageable in said notch, said hook having a forwardly projecting extension engaged under said clevis to prevent disengagement of said hook from said clevis during rearward movement of the tractor.

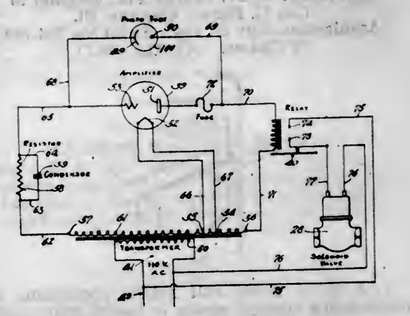
2,493,889
IGNITION SYSTEM FOR GAS OR LIQUID FUEL APPLIANCES
Birchard L. Matthews and Edward J. Zarybnicky, Cleveland, Ohio, assignors to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1945, Serial No. 602,241
3 Claims. (Cl. 158—117.1)



1. An ignition system for a gaseous or liquid fuel appliance comprising a fuel supply source, a main burner, a constant-burning pilot burner for said main burner, electrically operated main control valve for controlling the flow of fuel to said main burner from said source of supply, photo-electric cell responsive to the light from the pilot burner, a light tube positioned with respect to the constant burning pilot burner so that if the pilot decreases in height beyond a predetermined height light rays cannot be received by the photo-cell, actuating means responsive to said photo-cell for operating said electric main control valve, said means including a delay means to prevent the electric control valve from opening until a predetermined time interval has elapsed after lighting the pilot burner.

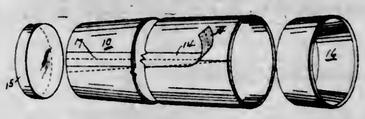
2,493,890
IGNITION SYSTEM FOR GAS OR LIQUID FUEL APPLIANCES
Birchard L. Matthews and Edward J. Zarybnicky, Cleveland, Ohio, assignors to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1945, Serial No. 602,242
4 Claims. (Cl. 158—117.1)

1. An ignition system for a gaseous or liquid fuel appliance having a fuel supply source, a main burner, a constant-burning pilot remote from main burner, an ignition pilot adjacent to the main burner, a flash tube positioned between the remote pilot and the ignition pilot for lighting the ignition pilot when it receives a supply of fuel, an electrically operated control valve controlling the flow of fuel to said main burner from said source of supply, a photo-electric cell so located as to receive and be responsive to the light from the ignition pilot, and actuating means responsive to the photo-cell for operating said electric main control valve said actuating means including a delay means to prevent the actuating



means from opening the electric valve until a predetermined time interval has elapsed after lighting the pilot.

2,493,891
GREASE GUN CARTRIDGE
Arch W. McCarty, Tecumseh, Okla.
Application July 31, 1944, Serial No. 547,489
6 Claims. (Cl. 206—56)



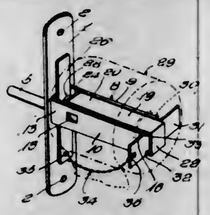
3. A cartridge for grease guns, including: a tapered tubate body formed by an eccentrically rolled rectangular paper sheet, a removable closure for each end of the body; a strip of tearable material extending longitudinally of said body and holding the sheet in its rolled condition; and a weakened longitudinal line of cleavage carried by the strip.

2,493,892
SECTIONAL PENCIL
James W. McPhee, Los Angeles, Calif.
Application May 14, 1948, Serial No. 27,120
3 Claims. (Cl. 120—83)



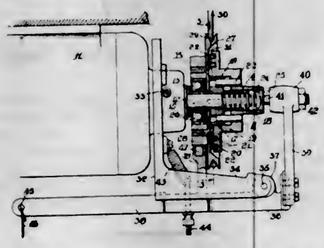
1. A pencil comprising a barrel having a longitudinal series of substantially similar sections, each barrel section having a cylindrical body formed with a longitudinally disposed socket in one end and a corresponding plug on its opposite end, said sections being removably joined and mated together by the insertion of their plugs in said sockets, and a string of integral marking points, each point being rigidly secured in and projecting from the forward end portion of one of said plugs when said sections are joined and said string of points serving to normally assist in holding said sections assembled longitudinally and providing a weakened frangible node at the tip end of each point so that each barrel section may be severed from an adjacent section.

2,493,893
TOILET PAPER ROLL HOLDER
Stephen J. Miller, Tampa, Fla., assignor to Gus G. Harris, Chicago, Ill.
Application July 28, 1947, Serial No. 764,190
12 Claims. (Cl. 242—55.2)



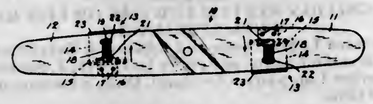
1. A toilet paper roll holder comprising an outstanding spindle, means to mount said spindle on a wall, a supporting member rotatable on said spindle and adapted to receive a roll of paper, a cross-bar removably associated and rotatable with the supporting member and engageable with the outer end of the roll, and internal locking means holding said cross-bar in roll retaining and locking position.

2,493,894
CLUTCH AND BRAKE MECHANISM
George Minkowitz, New York, N. Y.
Application August 30, 1945, Serial No. 613,536
7 Claims. (Cl. 192—17)



6. A clutch for a continuously rotating power shaft, comprising a sleeve keyed to said shaft and projecting beyond the latter, said sleeve having an annular portion provided with spaced openings disposed axially thereof, a clutch plate having hub portion to fit loosely over said sleeve and annular portion thereof and being provided with projecting clutch material arranged on its clutch face, projections on said plate to slide axially in said openings, a spring disposed between the sleeve and said hub portion of the clutch plate to urge the latter outwardly, a driven member mounted on said shaft adjacent said plate, comprising a bearing unit on said shaft, a hub carried on the bearing and provided with a pulley on the side adjacent the clutch plate, the pulley being recessed on its face to receive the said plate and be engaged by the clutch material, and operating means for said clutch, comprising a fixed bracket having spaced arms projecting beneath said clutch plate and driven member, an L-shaped lever pivoted between the free ends of said arms, one arm of the lever projecting upwardly to move against the hub of the clutch plate and the other arm carrying a brake shoe normally in contact with the pulley hub to hold the same against rotary movement, yieldable means to support the latter arm and hold the shoe in braking position, and means to rock said lever arm and simultaneously move the clutch plate into connection with the pulley and the brake shoe out of contact with the pulley hub.

2,493,895
AUTOMATIC CONTROL FOR WIND-DRIVEN PROPELLERS
Alvin Osterback, Sand Point, Alaska
Application May 9, 1945, Serial No. 592,886
5 Claims. (Cl. 170—75)



1. In combination with a propeller blade, a plate member hingedly connected to the following edge portion and protruding beyond the leading portion of the blade, disposed on the high pressure surface thereof, and having its free end portion directed toward the leading edge portion of the blade and shaped to provide an air space between its free end portion and the leading edge portion of the blade, whereby air passing the blade will enter said air space and tend to angularly move the plate member away from said blade; and resilient means carried by said plate member and said blade and urging said plate member toward said blade.

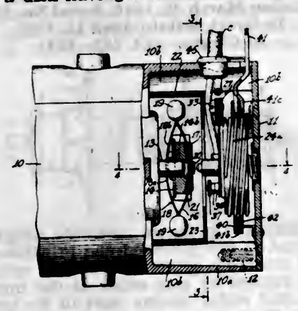
2,493,896
PREPARATION OF SILICA-ALUMINA CATALYST
William A. Pardee, Pittsburgh, and George E. Elliott, Jr., Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application December 5, 1947, Serial No. 790,024
8 Claims. (Cl. 252—455)

1. A method for preparing a silica-alumina catalyst which comprises depositing on activated alumina an organic compound capable of yielding silica when subjected to heat and the catalytic influence of activated alumina, said organic compound being deposited on the alumina in amount sufficient to yield a silica-alumina catalyst containing between about 1 and 50 per cent silica by weight, heating the mixture of alumina and the organic compound deposited thereon to a temperature sufficient to catalytically decompose the deposited organic compound into silica without causing it to distill, and thereafter calcining the resultant product.

2,493,897
SPEED RESPONSIVE SWITCH
John L. Petz, Poughkeepsie, and Charles G. Balliett, Rochester, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 7, 1947, Serial No. 753,192
4 Claims. (Cl. 200—80)

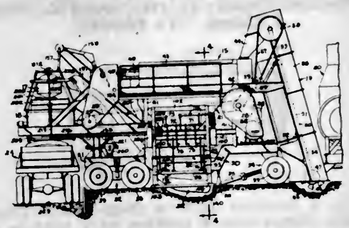
2. In a governor controlled switch, a shaft, a hub mounted on said shaft; a pair of bow springs arranged with their ends joined and their concave sides facing each other and with one spring secured intermediate its ends to said hub, a pair of weight members secured to the springs, one at each point of junction, said weight members tending to straighten when the shaft rotates with increasing speed and thereby induce axial move-

ment of the midportion of the spring which is free at its midportion; a fixed contact member, a cooperating movable contact member actuated by the spring which is free at its midportion, means for supporting said contact members including a disk having a thread on its periphery,



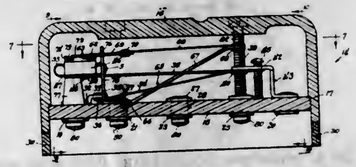
a flanged guide, a ring rotatable in said guide and having lugs extending into the lands of said thread, a control lever connected to said ring, a support for said guide, and means on said support for mounting said disk for axial movement on said plate in response to rotation of said ring.

2,493,898
PORTABLE MIXING PLANT
Harold C. Pollitz, Cedar Rapids, Iowa, assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa, a corporation of Iowa
Application April 23, 1947, Serial No. 743,309
7 Claims. (Cl. 259—154)



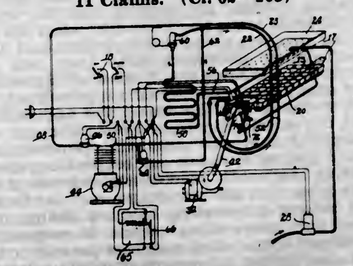
1. In a portable mixing plant of the type described having means for mixing aggregates with liquid binding material, the combination of means for separating bulk aggregates according to fineness, a conveyor for delivering the aggregates to said separating means, a bin having a plurality of compartments for receiving and storing the separated aggregates, means supporting said bin substantially on a level with the mixing means, a weighing hopper disposed below said bin, said bin having gates operable to release aggregates from said compartments selectively to prepare a batch of aggregates in said hopper, means for transferring the batch of aggregates from said hopper to said mixer including a skip movable from a loading position below said hopper to a discharge position above the mixer, power driven means for moving said skip, a weighing bucket for liquid binding material adapted to discharge the material into the mixer, closure means for controlling the discharge of binding material from said bucket, other closure means for controlling the discharge of mixed material from the mixer, a control station including an operator's platform located adjacent said bin providing convenient access to said gates for manual operation of the same, and means at said station for controlling the operation of both of said closure means, said platform being movable to a retracted position without disturbing said controlling means to condition the plant for traveling, all of said foregoing elements being assembled in a unitary structure supported on a wheeled chassis.

2,493,899
CIRCUIT CONTROL SWITCH
Robert E. Prouty, Logansport, Ind., assignor, by mesne assignments, to Essex Wire Corporation, Logansport, Ind., a corporation of Michigan
Application June 20, 1946, Serial No. 678,013
14 Claims. (Cl. 200—122)



1. A switch of the character described comprising a base member, a bimetal blade supported at one end upon said base member, a pair of first movable contacts carried by said bimetal blade at its other end, a pair of second contacts one being supported on said base in alignment with one of said first movable contacts and in stationary relation thereto, and the other of said second contacts being mounted in alignment with the other of said movable contacts for relative conjoint movement therewith, and magnetic means between said other end of said bimetal blade and said second contacts for biasing said first contacts into engagement with said second contacts, said bimetal blade upon predetermined current flow through said switch being adapted to flex in a direction to effect separation of said one first movable contact from said one second stationary contact against the force of said magnetic means, and stop means for arresting movement of said other of said second contacts with said other of said first movable contacts upon further increased predetermined current flow through said switch to effect separation of said last named contacts by said bimetal blade against the force of said magnetic means.

2,493,900
AUTOMATIC ICE CUBE MAKER
Fred H. Schaberg and Norris H. Therriault, Andover, Mass.
Application June 12, 1948, Serial No. 32,716
11 Claims. (Cl. 62—105)



1. Apparatus of the class described comprising a tiltable ice cube tray, means operative periodi-

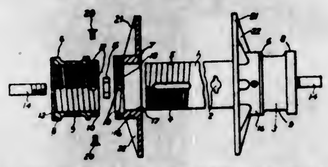
cally to tilt the tray, a liquid reservoir for the tray, flexible conduits associated with the tray for conducting freezing fluids thereto and vapor therefrom, an electric relay for controlling the operation of the tray tilting means, a compressor, a condenser, a low pressure electric switch to operate the relay and compressor, and means operated by the relay to loosen the cubes in the tray.

2,493,901
CONTAINER WITH SPRING LATCH CLOSURE
Robert C. Shipley, Kalamazoo, Mich.
Application June 7, 1946, Serial No. 675,034
13 Claims. (Cl. 206—1.5)



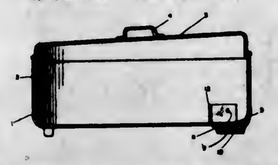
1. In a container comprising first and second cooperating members held together in face-to-face closed, or forward, position by a plurality of engaging means and movable out of closed position, or rearwardly, by sliding movement of the one cooperating member along the face of the other cooperating member, means releasably holding said members in closed position, comprising: means providing a pin-travel slot located in the face of the first cooperating member and aligned substantially parallel to the direction relative thereto of said sliding movement of said second cooperating member; means providing an elongated slider well within the body of said first cooperating member communicating with the bottom of said pin-travel slot and parallel longitudinally thereto; a slider located in the slider well adapted to travel longitudinally therein and free to rotate at least through a small angle around the axis of its line of travel; a spring located in the slider well rearwardly of the slider and adapted to urge the slider forward in container closing direction throughout the range of its travel; a pin having its longitudinal axis in a plane perpendicular to the face of the first cooperating member and secured in fixed position to the slider, said pin being adapted to travel in the pin-travel slot and protruding therefrom beyond the face of the first cooperating member; a lateral recess and pin retaining shoulder in the rearward portion of a sidewall of the pin-travel slot adapted to engage and retain the pin at the rearward limit of its travel upon rotation of the slider in the slider well; means providing a pin-engaging slot located and aligned in the face of said second cooperating member for crossing said pin-travel slot at an acute angle and extending when the cooperating members are in closed position and during said sliding movement, away from said pin travel slot on the same side thereof as the extension of said lateral recess and being inclined toward the end of said pin-travel slot approached by said pin as said container closes, whereby engagement of said pin with said pin-retaining means is effected by the second cooperating member sliding rearwardly, and disengagement of the said pin from said pin-retaining means is effected by the second cooperating member sliding forwardly; and cooperating means in contacting faces of said cooperating members parallel to the line of said sliding movement preventing lateral movement of the cooperating members when they are in face-to-face contact.

2,493,902
TEXTILE APPARATUS
Basil Gilfrid Barnett Slocombe and Stephen Miller Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application March 22, 1946, Serial No. 656,344
In Great Britain April 12, 1945
10 Claims. (Cl. 242—124)



1. A warp beam flange assembly adapted for attachment to the threaded end of a beam barrel, said assembly comprising a long collar and a flange carried by said collar at the inner end thereof, said collar having part of its bore adjacent to the outer end thereof screw threaded for attachment and adjustment on the beam barrel and having said outer end obstructed to prevent the emergence therefrom and consequent exposure of the threaded end of said barrel, the part of the bore of said collar adjacent to the inner end thereof being left plain, whereby the plain part of said bore covers, in the outermost position of the flange, screw threads of the barrel that are engaged by the threaded part of said bore in the innermost position of said flange.

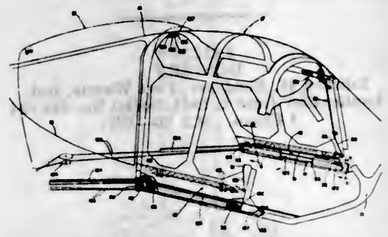
2,493,903
AUTOMATIC ROASTER
Albert G. Thomas, Lynchburg, Va.
Application January 15, 1945, Serial No. 572,824
6 Claims. (Cl. 99—346)



2. In a roasting pan, a snap-action bimetal element comprising a portion of a bottom surface of said pan and arranged to snap in a direction to throw liquid in said pan onto meat placed therein, when said element absorbs sufficient heat, said pan including a metal part positioned to be struck by said bimetal element to supply heat to said element after it snaps into contact with said part as a result of being cooled by said liquid, said metal part serving as a heat guard between said bimetal element and a source of heat outside said pan, after said bimetal element has snapped out of contact with said metal part.

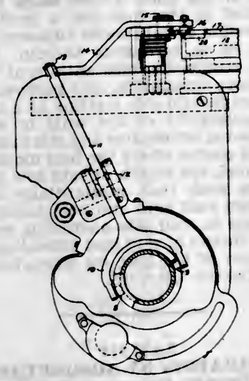
2,493,904
AIRCRAFT CABIN ENCLOSURE AND MOUNTING MEANS THEREFOR
Arthur E. Ulrich, Buffalo, and Harold F. Hume and Carlo J. Arcarese, Cheektowaga, and Frederick I. Steele, Snyder, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application May 28, 1945, Serial No. 596,258
13 Claims. (Cl. 244—121)

2. In an aircraft having a fuselage structure providing a cockpit, a closure movable from a closed seated position over the cockpit and flush with the fuselage structure to an open and retracted position rearwardly of the cockpit, carriage means for mounting said closure on the aircraft, said carriage means including forwardly located trucks and rearwardly located trucks, closure elevating means operably mounted on said rearwardly located trucks, guide tracks on which said forwardly and rearwardly



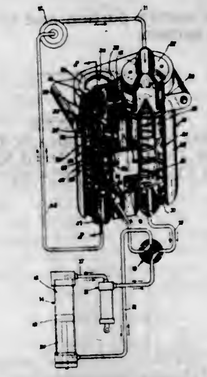
located trucks ride, said guide tracks being formed to provide forward sections which are upwardly rearwardly inclined for elevating the forward portion of said closure, and means operably connected to said elevating means first for moving the rearward portion of said closure to elevated position and then to move said closure bodily to its retracted position rearwardly of the cockpit.

2,493,905
CYLINDER CONTROLLING MECHANISM
Joseph Wawzonek, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application June 25, 1948, Serial No. 35,232
3 Claims. (Cl. 66—14)



1. For a circular, independent needle, knitting machine having a cylinder and means for rotating it, a cylinder controlling device which includes means for raising and lowering said cylinder and means for insuring positive operation of said raising means, said raising means including a drum, a cam thereon, a rocker adapted to ride upon the surface of said drum and said cam and connections between said rocker and said cylinder whereby the rocking of said rocker is translated into vertical movements of said cylinder, said insuring means including another cam on said drum, another rocker adapted to ride upon the surface of said drum and of said other cam in opposition to the movements of said first mentioned rocker and means operatively connecting the two rockers.

2,493,906
VULNERABILITY VALVE
Herbert W. Wishart, University City, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 24, 1943, Serial No. 484,455
10 Claims. (Cl. 60—52)

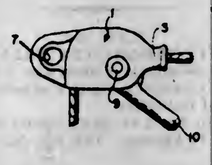


3. In a vulnerability valve, a fluid housing having a displacement chamber with a piston therein and a sequence chamber extending therethrough, a pair of passageways extending between the two chambers to bypass fluid about the piston, said passageways entering the chambers at different levels, a container with a poppet valve therein mountable as a unit in one end of the sequence chamber and having openings therein controllable by the poppet valve and adapted to register with the respective passageway means to control the flow of fluid therethrough, a plunger in the sequence chamber adapted to be moved by return fluid flow to the valve, said poppet valve extending from its container to be operated by the plunger, a return fluid outlet valve adapted to be seated in an outlet fitting closing the opposite end of the sequence chamber, and lost motion connection means for connecting the return fluid outlet valve to the plunger so as to permit operation of the poppet valve prior to the operation of the return fluid outlet valve, said plunger thereby serving to operate both valves and in a sequential manner.

2,493,907
LINE CLAMP
Harry J. D. Wolff, Van Nuys, Calif., assignor to Ernest A. Huntley, Burbank, Calif.
Application September 9, 1946, Serial No. 695,769
3 Claims. (Cl. 24—134)

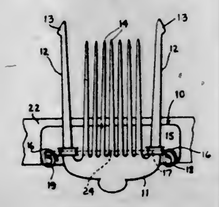
1. A line clamp comprising: a flat housing including a tubular line guide extending from one edge, an edge wall curving laterally from a margin of said line guide, the opposite edge of said housing being open; a cam disk journaled in said housing and having a handle protruding from the open edge of said housing in angular relation to said line guide; said cam disk including a transversely convex and corrugated portion and a transversely concave portion having a series of

transverse ribs, said portions merging one into the other; said edge wall being transversely curved



to mate said convex portion and to complement said concave portion.

2,493,908
HAT FASTENER
Edna M. Baker, Chicago, Ill.
Application June 3, 1947, Serial No. 752,082
2 Claims. (Cl. 132—65)



1. A hat attachment comprising a mounting plate having a pair of spaced aligned web portions of flexible material and provided at opposite corresponding corners with perforations, a pin element having an eyelet mounted in one of the perforations, a split ring mounted in the other perforation and adapted to be threaded upon said pin element, said pin element being adapted to be bent back upon itself to embrace the split ring, in combination with a comb having parallel attaching legs adapted for positioning beneath the said web portions.

2,493,909
JOINT FOR ELECTRIC CABLE SYSTEMS
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application May 29, 1946, Serial No. 672,968
4 Claims. (Cl. 174—22)



1. A joint for electric cables, said joint comprising in combination a joint casing, a bulkhead adjacent each end of the casing, a plurality of insulated conductors extending into said casing through said bulkheads, the conductors extending through one bulkhead being spliced to those extending through the other bulkhead, within the joint casing, and means for preventing longitudinal movement of the insulated conductors relatively to the bulkheads, said means comprising a wooden spacer extending lengthwise from bulkhead to bulkhead, the said conductors lying along the surface of said spacer, and a wrapping about the conductors for immovably binding the conductors to the spacer.

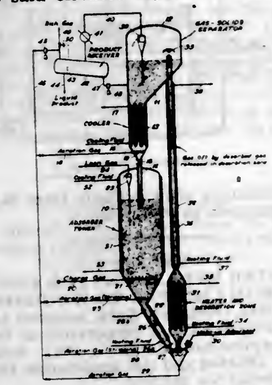
2,493,910
HOSIERY
Edward W. Boedeker, Fort Wayne, Ind.
Application June 3, 1944, Serial No. 538,594
1 Claim. (Cl. 66—187)



A stocking having a leg portion, a heel portion and a foot portion, the stocking being so constructed that certain of the marginal edge wales thereof extend down the leg portion, around said heel portion and for the length of the foot portion, the heel portion being knitted with a reinforcing thread and provided with a gore formed by aligned apertures beginning at the start of the heel and extending substantially equidistant from the heel edge for a portion of the length of the gore, a heel mock fashioning being formed in the heel for a predetermined distance causing certain wales adjacent said continuous wales to terminate therein, the mock fashioning terminating substantially at the course where the gore terminates, sole narrowing marks being formed in said sole starting at a point substantially outwardly of the wale in which the mock fashioning terminates and starting substantially at said course where the heel mock fashioning terminates, the length of said sole narrowing marks being such that substantially all of the wales between said gore and heel mock fashioning terminate in said sole narrowing marks, the reinforcing thread of said heel extending inwardly of the start of the gore for strengthening the stocking adjacent the gore.

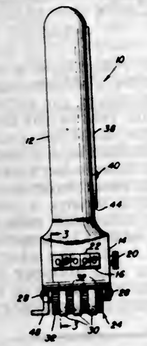
2,493,911
SEPARATION BY ADSORPTION
Preston L. Brandt, Galveston, Tex., assignor to Pan American Refining Corporation, New York, N. Y., a corporation of Delaware
Application November 30, 1944, Serial No. 565,931
9 Claims. (Cl. 183—114.2)

1. In a process for cycling adsorbent solids of small particle size from an adsorption zone to a desorption zone and thence back to said adsorption zone, the method of operation which comprises enriching said adsorbed material in said adsorption zone, transferring said enriched solids to a desorption zone of restricted cross-sectional area, heating said solids in said desorption zone to a sufficiently high temperature to release adsorbed material and thereby produce a gasiform stream which, due solely to the restricted cross-sectional area, moves through said desorption zone and to an elevated separation zone at such high velocity as to supply the required kinetic energy for suspending and transferring denuded solids to said elevated separation zone, thereby



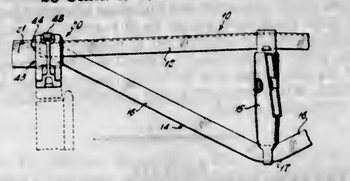
converting at least a part of the kinetic energy imparted by the heating step to potential energy of elevated solids, and utilizing the potential energy of the elevated solids for effecting transfer of said solids from said separation zone back to said adsorption zone.

2,493,912
DISTANCE MEASURING DEVICE
Jackson M. Brown, Starkville, Miss.
Application March 22, 1948, Serial No. 16,212
1 Claim. (Cl. 33—141)



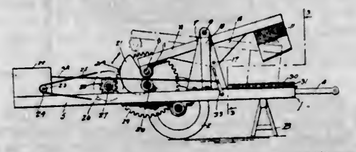
In a distance measuring device, the combination of an elongated handle having an enlarged head at one end thereof, a shaft mounted in said head at right angles to the axis of said handle, and a traveller provided on said shaft and comprising at least two coaxial and simultaneously rotatable discs, one of said discs having a relatively small diameter and being formed from relatively hard material, the second disc having a relatively large diameter and being formed from relatively soft and resilient material, the first-mentioned disc having a toothed periphery, and the peripheral portion of the second disc being compressible by pressure on said handle, whereby adjacent peripheral portions of both discs may simultaneously engage the work.

2,493,913
BRAKE BEAM
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application September 18, 1946, Serial No. 697,680
28 Claims. (Cl. 188—223.1)



1. A truss brake beam, including individually separate compression and tension members, truss locks surrounding terminal portions of the members and fixing the members together and adapted for the mounting of brake heads thereon, and beam guiding means rigid with the truss locks and located between the upper and lower surfaces of the locks, and extending outwardly in line with the longitudinal axis of the brake beam at the ends thereof, such means enclosing the terminal portions of the tension member which are solely extended thereinto beyond the terminals of the compression member.

2,493,914
WOOD SLICING MACHINE
William S. Corey, Tujunga, and Arthur B. Watt and Robert B. Watt, San Fernando, Calif.
Application April 23, 1946, Serial No. 664,222
2 Claims. (Cl. 144—193)



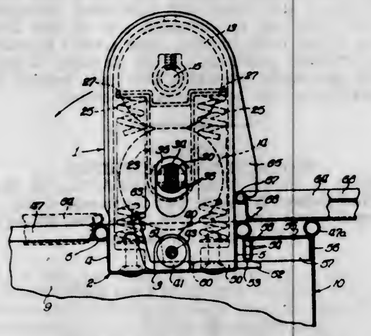
2. In a wood slicing machine a platform, a lever mounted on said platform for oscillating movement in a vertical plane, a knife secured to one end of said lever, a cam on the platform positioned to engage the opposite end of the lever, means for slowly rotating said cam to swing the lever, thereby to advance said knife, the cam being shaped to release the lever for quick return movement at the end of the forward movement of the knife, and a turntable freely rotatable on the platform directly below the knife, the turntable being set off to one side relative to the vertical plane of the knife.

2,493,915
PHOSPHORIC ACID
Roy Cross, Kansas City, Mo.; Mary Forbes Cross and First National Bank of Kansas City, executors of said Roy Cross, deceased, assignors to Kansas City Testing Laboratory, Kansas City, Mo., a corporation of Missouri
No Drawing. Application January 10, 1946, Serial No. 640,369
2 Claims. (Cl. 23—165)

1. The method of making phosphoric acid from calcium phosphate material which comprises reacting the calcium phosphate material in a tower by introducing into the tower and passing upwardly through the calcium phosphate material

therein a gaseous reagent selected from the group consisting of hydrogen chloride and hydrogen fluoride under conditions in which a minimum amount of moisture is present so as to release the phosphoric acid in as nearly an anhydrous condition as possible and to form a halogen salt of calcium, introducing into the tower and passing downwardly through the calcium phosphate material and countercurrent to the reagent and contemporaneously therewith a volatile organic solvent which selectively dissolves the phosphoric acid in situ from the halogen calcium salt as it is formed, and recovering the phosphoric acid from the organic solvent.

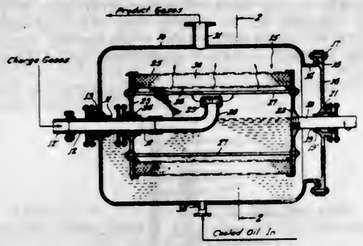
2,493,916
DISAPPEARING WRINGER WASHING MACHINE
George M. Gibson, Bellevue, Iowa, assignor to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application March 24, 1947, Serial No. 736,745
3 Claims. (Cl. 68—245)



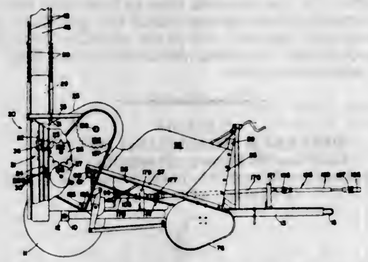
1. The combination with a wash machine tub, of a wringer having a flat bottomed base extending between opposite walls of said tub, pivotal means connected with said walls and supporting the opposite ends of said wringer for movement about an axis to either dispose the wringer in stored relation within said tub or out of the top thereof in operative position, said flat bottomed base providing a closure for the portion of the tub supporting said wringr while in either of its two positions, and cover means coacting with said tub and said wringer to close the remaining portion of the wash machine tub.

2,493,917
CATALYTIC CONVERSION
Robert J. Hengstebeck, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 20, 1944, Serial No. 564,348
13 Claims. (Cl. 260—449.6)

1. In a catalytic conversion process wherein contaminants are deposited on the catalyst during the conversion which contaminants are soluble in a liquid which method comprises rotating an annular catalyst bed while maintaining said bed partially immersed in a liquid which is inert with respect to said catalyst but which is a solvent for said contaminants so that a substantial portion of the catalyst bed is alternately immersed in and removed from said liquid, passing charging stock gases through the unimmersed portion of the catalyst bed under conversion conditions whereby contaminants are deposited on said catalyst and removing such deposits from said catalyst by immersion in said liquid.

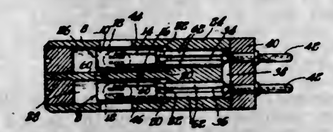


2,493,918
HARVESTER WITH MEANS FOR CONVERSION FROM CHOPPER TO WINDROWER
George B. Hill, Ottumwa, Iowa, assignor to Deere Manufacturing Co., a corporation of Iowa
Original application March 7, 1941, Serial No. 382,219. Divided and this application February 3, 1944, Serial No. 520,987
6 Claims. (Cl. 56—16)



1. A harvester comprising a mobile frame, a forwardly extending platform supported thereon, means on said platform for gathering crops and conveying the same rearwardly thereon, said platform having a throat at the rear thereof of restricted width through which said crops are discharged, feeding means for receiving said crops and feeding them rearwardly, a chopper housing behind said feeding means, a rotary chopper in said housing for chopping said crops, a power shaft connected to said crop gathering and conveying means for driving the latter, disconnectible means for driving said chopper from said power shaft, and a removable panel in the rear wall of said chopper housing in register with said feed means.

2,493,919
MOUNTING FOR PHOTOELECTRIC CELLS
Oscar J. Holmes, Chicago, Ill.
Application March 26, 1948, Serial No. 17,231
4 Claims. (Cl. 201—63)



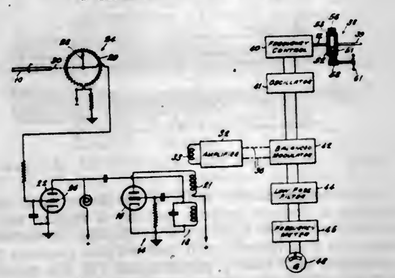
1. A photo-sensitive cell comprising a photo-sensitive unit having a glass envelope and terminals extending therefrom, a housing having a bore therein complementary in shape to the external shape of the envelope and slightly larger than said envelope, a resilient sleeve snugly fitting said envelope in the wall of said bore, a light transmitting window in said housing, and a connector base for said housing having terminals connecting to the terminals of said photo-sensitive unit, said housing having an opening therein extending transverse to said bore and in communication therewith to permit turning of said unit in said housing to align the photo-sensitive element with the light-transmitting window of the housing, and a closure member for said opening.

2,493,920
MATCH HOLDER
Marvin I. Karp, New York, N. Y.
Application October 31, 1945, Serial No. 625,786
12 Claims. (Cl. 206—48)



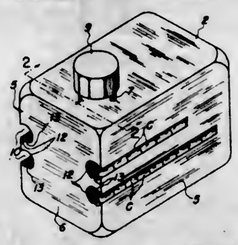
8. For use with a cigarette package having a wall and an end fold substantially perpendicular thereto, a match retainer comprising, in combination, clip means including a blade insertable in the end fold; a match book holder hingedly secured to said clip means and arranged to lie against such wall of the package when said clip means is engaged in the end fold; and resilient means biasing said holder against such package wall, as the package is emptied, to clamp the remaining cigarettes against loose movement in the partially empty package; said resilient means biasing said holder to fold against said clip means, when the latter is disengaged from the end fold, to form a compact, easily stored unit.

2,493,921
PHASING APPARATUS
Carl A. Meneley, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1944, Serial No. 561,284
3 Claims. (Cl. 318—437)



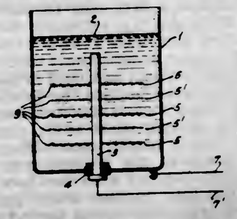
2. Apparatus for maintaining a predetermined cophasal relationship between a plurality of members in continuous rotation, comprising means for adjusting the phase position of one of said members relative to a second said member while both members are rotating, means associated with said one member for developing a first saw-tooth wave which varies between minimum and maximum only once during 360 degrees rotation of said one member, means associated with said second member for developing a second saw-tooth wave which varies between minimum and maximum only once during 360 degrees of rotation of said second member, and means operative to employ the algebraic sum of said first and second waves to control said adjusting means.

2,493,922
CONTAINER
Harry C. Miller, Meadville, Pa., assignor to La Coeur Company, a company of Pennsylvania
Application February 13, 1945, Serial No. 577,697
3 Claims. (Cl. 215—6)



1. A container of the class described comprising a hollow body member, at least one elongated channel arranged in one of the walls thereof for housing a plurality of capsules in end-to-end relation, one end of said channel opening into an adjacent wall of said body member through which opening said capsules are adapted to be inserted into and removed successively from said channel, said channel being substantially circular-shaped in cross section and having an open slot extending continuously throughout its length along the side of the body member so that the capsules can be manipulated therein and having an interior wall surface substantially greater than 180 degrees so as to prevent the capsules from escaping from said channel through said open slot, the cross sectional area of said channel at the open end thereof being slightly less than that of the capsules adapted to be disposed therein so as to prevent unintentional displacement of the capsules from the channel but sufficiently large to permit the capsules to be forced therethrough.

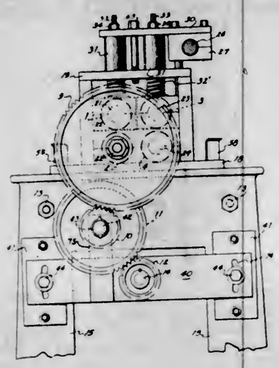
2,493,923
HEATING, VAPORIZING, AND/OR BOILING WATER
Liber J. Mentone, Ithaca, N. Y.
Application May 21, 1946, Serial No. 671,409
3 Claims. (Cl. 219—40)



1. In an electrical heating device for liquids, the combination of a container adapted to hold a

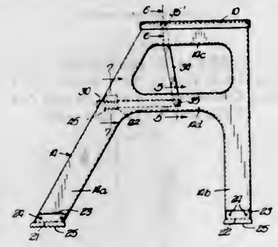
liquid, a supporting means in said container, electrical discharge plates mounted on said support and adapted to be immersed in the liquid, said discharge plates being provided with a large number of small projections forming points of discharge together with a large number of openings to facilitate the circulation of the liquid, and means for supplying electricity to said plates and liquid to heat the liquid by direct action.

2,493,924
PELT STRETCHING MACHINE
John J. Mowad, Newark, N. J.
Application February 10, 1949, Serial No. 75,570
5 Claims. (Cl. 69—33)



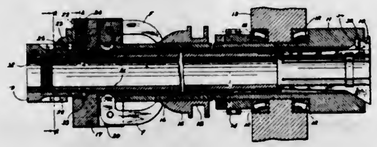
1. In a pelt-stretching machine having a pair of superimposed laterally-ribbed, counter-rotating rollers, geared to each other for feeding therebetween the pelt to be stretched, followed in tandem relation thereto by another pair of ribbed counter-rotating rollers, geared to each other for pulling the pelt therebetween as said pelt is discharged from the first pair of rollers, said second pair of rollers rotating at a speed faster than that of the first pair, a support attached to the ends of said rollers, and driving means for driving said rollers, the improvement comprising a cross-arm mounted substantially laterally across each side of the frame under the ends of said rollers, adjustable fastening means near the ends of each cross-arm enabling fastening said cross-arm to the frame in any position of said cross-arm after the latter has been moved within a fixed limit in an arc with the middle portion of the cross-arm acting as the center of rotation of said arc, a drive-shaft disposed between the cross-arms and having its ends mounted thereon at said center of rotation, a first gear mounted on each end of said drive shaft, a vertically disposed arm having its lower end fixed to each cross-arm adjacent the first gear, a short shaft mounted on the other end of the vertical arm and projecting outwardly, a second gear mounted on said short shaft in operating contact with the first gear, a third gear mounted on said short shaft alongside the second gear, and a fourth gear attached to the end of the lower of the nearest pair of rollers and in operating contact with the third gear, and power transmitting means from said driving means to said drive shaft, each second gear being offset under a different pair of rollers, with respect to the first gear, thereby enabling use of different gear ratios at each side of the frame to provide different speeds for each pair of rollers while using only one driving means and drive-shaft.

2,493,925
FOLDING BATHROOM STOOL
Manly S. Mumford, Evanston, and Eugene H. Cowles, Chicago, Ill.; said Cowles assignor to said Mumford
Application May 9, 1947, Serial No. 747,044
10 Claims. (Cl. 155—151)



1. In a device of the class described, the combination of a seat portion, right and left leg structures pivotally connected with said seat portion for sidewise folding movement into positions substantially parallel with the under side of said seat portion, an intermediate step, and mechanism movably connecting said intermediate step with said seat portion including swinging links pivotally connected to said intermediate step and to said seat portion whereby said intermediate step can serve as a horizontal spacing strut between said pivoted leg structures when the latter are in their operative positions, and whereby said intermediate step can be swung upwardly into a folded position substantially against the under side of said seat portion when said leg structures are to be swung up into their folded positions.

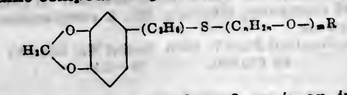
2,493,926
NUT LOCK FOR COLLET TUBES
Joseph D. Petsche, Cleveland, Ohio
Application March 26, 1948, Serial No. 17,163
5 Claims. (Cl. 279—51)



1. In combination with a machine tool embodying a rotary spindle having a spring collet therein, a collet tube in the spindle, a slidable sleeve on the spindle and bell cranks thereon for retracting said sleeve, mechanism for the retraction of said tube comprising a nut threaded on said tube and disposed for abutting engagement with said sleeve, said nut having a plurality of longitudinal grooves in the outer circumferential wall thereof and a finger in said sleeve mounted for engagement in one of said grooves.

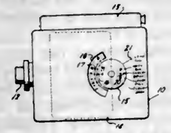
2,493,927
METHYLENEDIOXYPHENYL COMPOUND AS INSECTICIDE, INSECT REPELLENT, AND PYRETHRIN SYNERGIST
Edward A. Prill, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application February 8, 1946, Serial No. 646,492
4 Claims. (Cl. 167—33)

1. An insecticidal composition comprising an organic compound represented by the formula



where n is an integer 2 or 3, m is an integer not greater than 3, and R is an univalent radical of the group consisting of alkyl, aryl, alkaryl and aralkyl radicals, and nuclear mono substituted aryl, alkaryl and aralkyl radicals in which the nuclear substituent is a member of the group consisting of halogen and alkoxy; and in the above formula, the portion to the right of the sulfur atom contains not more than 16 carbon atoms, and a petroleum distillate in which the compound is dissolved.

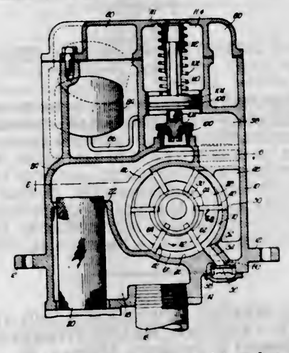
2,493,928
EXPOSURE DETERMINING DEVICE FOR PHOTOGRAPHIC CAMERAS HAVING CO-OPERATING INDICIA ON CAMERA AND FILM MAGAZINE
Karl Rath, New York, N. Y.
Application April 8, 1947, Serial No. 740,054
5 Claims. (Cl. 95—10)



1. The combination with a magazine loading photographic camera comprising a light-proof film magazine insertable in and removable from said camera, of exposure indicating means comprising scale means upon said magazine representing exposure controlling indicia for said camera, said camera being provided with a window to reveal said indicia in the inserted position of said magazine, and further index means representative of light conditions and arranged upon the outside of said camera adjacent to said window and in cooperative relation with said exposure indicia, whereby to complementarily form a complete exposure indicator by said scale and index means.

2,493,929
PUMP
Howard E. Rittenhouse and Samuel E. Gilmore, Fort Wayne, Ind., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application August 26, 1944, Serial No. 551,280
7 Claims. (Cl. 103—42)

1. A pump for pumping liquid, comprising a pump housing having an inlet chamber adapted to be connected to a source of liquid supply, a rotor chamber, and an outlet chamber, said rotor chamber having an inlet connecting the inlet and rotor chambers and having an outlet connecting said rotor and outlet chambers, a bladed rotor eccentrically and rotatably mounted in said rotor chamber for moving liquid from said inlet chamber to said outlet chamber, said inlet and outlet each having an entrance and an exit, the blades of the rotor moving from the entrance to the exit of each of said inlet and outlet upon rotation of the rotor, the rotor being so disposed that it is spaced from the walls of the rotor chamber between the entrance of the inlet and the exit of the outlet and closely engaging the walls of the rotor chamber between the exit of the outlet and the entrance to the inlet, means for causing the edges of the rotor blades to engage the walls of the rotor housing, said housing having a valve chamber connecting said outlet and inlet chambers, a valve in said valve chamber controlling flow between said inlet and outlet chambers, said valve closing toward said inlet chamber, said housing having a cylinder adjacent said valve, said cylinder having a closed end and an open end, said open end communicating with said valve chamber, a piston slidably mounted in said

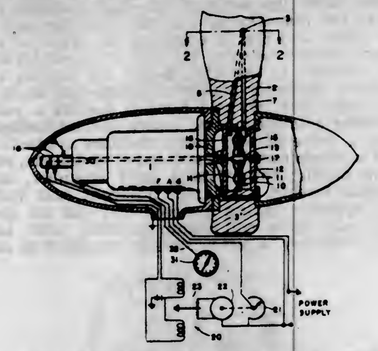


cylinder and connected to said valve whereby movement of said piston moves said valve, and resilient means urging said valve toward valve closing position, the side of said piston toward the open end of the cylinder being subjected to pressure in said valve chamber whereby said piston urges the valve to valve open position, said housing having a passage connecting said inlet chamber with the closed end of said cylinder whereby suction from said inlet chamber acts on the side of the piston opposite to that upon which the pressure in the valve chamber acts so that suction and pressure act to control said valve, said housing having a pressure chamber connected to said outlet chamber and an atmosphere chamber connected to atmosphere and connected through a restricted vent opening to said pressure chamber, said atmosphere chamber being connected to said suction chamber, and a float controlled valve in said atmosphere chamber for controlling flow from said atmosphere chamber to said suction chamber.

2,493,930
CEMENTITIOUS COMPOSITION
Joseph P. Ryan, Chicago, Ill.
No Drawing. Application August 22, 1946, Serial No. 692,374
3 Claims. (Cl. 106—89)

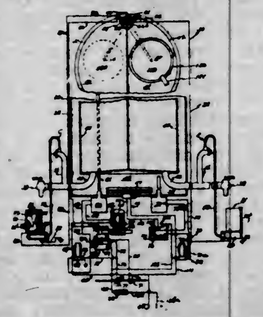
1. A composition of matter comprising a dicalcium mono-silicate cementitious material adapted to liberate calcium hydroxide when hydrated, and from about 0.5% to about 4.0% by weight of cryolite intimately associated therewith.

2,493,931
TRUE AIR-SPEED METER
Marcus E. Smaby, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application January 19, 1946, Serial No. 642,362
7 Claims. (Cl. 73—187)



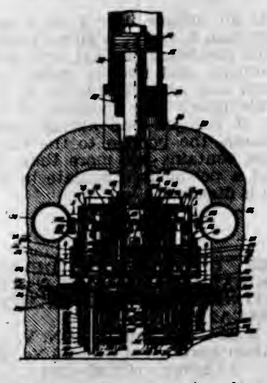
2. Apparatus for measuring velocity of fluid flow comprising: a propeller blade of symmetrical airfoil section, there being apertures symmetrically located on opposite faces of said blade, a differential pressure sensitive device, conduits connecting said device to said apertures, driving means for the blade, means operable by the pressure sensitive device to regulate the rotational speed of said blade, and means to measure such rotational speed.

2,493,932
COFFEE-MAKING APPARATUS AND AUTOMATIC CONTROL MEANS THEREFOR
Donald F. Swanson, Chicago, Ill.
Application November 3, 1944, Serial No. 561,782
5 Claims. (Cl. 99—282)



1. In a coffee making apparatus including a hot water reservoir and a plurality of coffee brewing tanks, a pipe means for conveying water from the reservoir to the tanks including a single discharge end adapted to swing from above one of said tanks to any of the others, a solenoid operated valve in said pipe; pressure responsive operable mechanism including a pressure responsive diaphragm and a manually adjustable switch and relay operated mechanism adapted to open the circuit of the solenoid of said valve and including a second circuit connecting the coil of said relay operated mechanism and said adjustable switch, said diaphragm communicating with the interior of said tanks and operating to cause opening of the circuit of the solenoid of said valve when the pressure in the tank rises above a predetermined value, the pressure rise in the tanks causing said mechanism to de-energize the solenoid of said valve to close the pipe to a water flow from said reservoir.

2,493,933
MACHINE FOR FORMING THREADED OPENINGS
Roy J. Thompson, Gary, Ind., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application July 7, 1945, Serial No. 603,683
18 Claims. (Cl. 29—34)

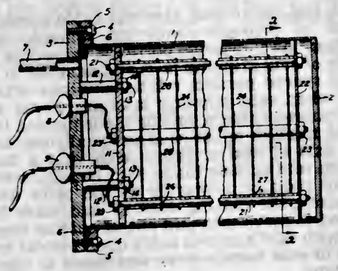


1. In a device of the character described, the combination of a support, a bolster carried by said support, a die supporting head disposed above said bolster, operating means for moving said head toward and away from said bolster in a controlled manner, a block rotatably mounted in said head and a block rotatably mounted in said bolster, means for simultaneously rotating said blocks, one of said blocks having a pair of dies therein disposed in alignment with a die of a pair of dies in the other block, a die of one block comprising a plunger having a male frusto-conical end terminating in a punch, the aligned die of the other block comprising a hollow rod having a rounded rim facing the first named die, and an inner reciprocal member resiliently urged toward the first named die, said hollow rod and inner member having a female frusto-conical end similar to said male end, said inner member being provided with a passage aligned with said punch for disposing of material punched by said punch, means for selectively operating said first die toward the second die, and said second die toward said first die, the other die of the pair of dies in the first block comprising a threading plunger having threading means thereon, master thread means for moving said plunger and threading means in a predetermined manner toward and away from said bolster when said threading plunger is moved, means for moving said threading plunger, the die of the second block aligned with said threading plunger comprising a member movable toward and away from said threading plunger, means for moving said last named member, the end of said last named member having a recess for permitting predetermined movement of said threading plunger, said last named end being bevelled, a compression plate supported on said head, resilient means between said compression plate and head permitting movement of said plate toward said head, and means carried by said compression plate operable to move toward the axis of said threading plunger and recess in a restricting and in substantially a circular manner.

2,493,934
PRODUCTION OF PROTECTIVE COATINGS ON ALUMINUM AND ALLOYS THEREOF
Claude L. Waring, Glen Cove, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
No Drawing. Application December 27, 1946, Serial No. 718,904
2 Claims. (Cl. 148—6.2)

1. A process for treating alloys predominantly aluminum rendering said articles substantially resistant to corrosion comprising the steps of subjecting the article to an aqueous bath consisting of sodium carbonate, 5 to 10 percent; sodium hydroxide, 0.1 to 0.4 percent; potassium dichromate, 0.2 to 2.0 percent; aluminum chloride, 0.1 to 0.3 percent; said bath being maintained at a temperature of from 180 to 212° F., for a period of from 5 to 20 minutes, washing the so-treated article, subsequently subjecting the article to a second bath, consisting of from .012 to 0.1 percent of chromic acid in aqueous solution at temperatures ranging from 135 to 145° F. for a period of from 5 to 10 minutes.

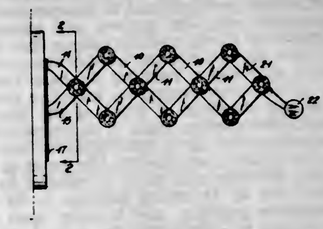
2,493,935
HIGH-ENERGY NEUTRON COUNTER
Clyde E. Wiegand, Oakland, and Emilio G. Segre, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application March 15, 1948, Serial No. 14,854
6 Claims. (Cl. 250—83.6)



1. In a high energy neutron counter, the combination comprising a plurality of parallel spaced electrodes separated by an ionizable atmosphere, said electrodes being transparent to high energy neutrons, at least one of said electrodes being coated with a thin layer of bismuth having a thickness of the order of one milligram per square centimeter, and means impressing a potential between adjacent electrodes.

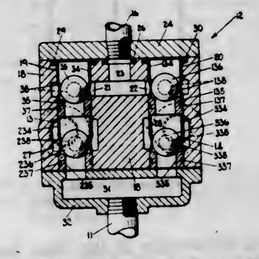
2,493,936
TIE RACK
William Grant Williams, Anaheim, Calif.
Application June 8, 1945, Serial No. 598,241
1 Claim. (Cl. 211—105)

A tie rack comprising a plurality of crossed bars pivotally connected together by shanked heads on certain bars laterally receivable in sockets in opposed bars, the shanks being narrower in one direction than otherwise with the narrower dimension only being receivable through the entrances to the sockets, and means for mounting said bars on a support so as to be collapsible and extensible



with respect thereto, said means limiting relative pivotal movements of the bars to positions wherein the heads are incapable of being withdrawn from their respective sockets.

2,493,937
HYDRAULIC REVERSING CHECK VALVE
Fred J. Wright, Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 16, 1944, Serial No. 535,806
2 Claims. (Cl. 277—60)



1. A check valve including a main body, having a bore, removable end plates attached to said body extending over said bore, a cylindrical spacer sleeve in said bore, a separate seat ring in said bore, said spacer sleeve and seat ring having outside diameters to fit into said bore and having abutting contact while being free from positive connection to each other, said end plates co-operating to hold said spacer sleeve and seat ring in said bore, and a ball in said spacer sleeve co-operating with said seat ring to provide a check seal.

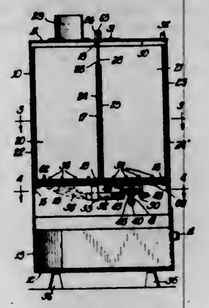
2,493,938
AMMUNITION
George Norman Albree, Winchester, Mass.
Application December 9, 1946, Serial No. 715,017
2 Claims. (Cl. 102—50)



1. Ammunition comprising a shell having a propellant-receiving chamber containing a main charge, a primer, a projectile mounted in said shell and having an axial bore, a needle-like member in said bore and movable therein from a retracted inoperative position into a forward operative position in which the point of the needle-

like member projects beyond the nose of the projectile, said needle-like member being provided at its rear end with a head which projects rearwardly from the projectile when said member is in its retracted position, and a tubular member communicating with the primer and extending substantially to the projectile and in the outer end of which the head of the needle-like member is received and has a running fit, said tubular member having communication with the propellant-receiving chamber in front of the head of said needle-like member when in its retracted position, whereby the gases generated by detonation of the primer act against the head of the needle-like member and move it relative to the projectile from its retracted position to its forward operative position, and thereby open said communication for ignition of the propellant.

2,493,939
MULTISTAGE INCINERATOR FOR DRYING AND BURNING WET REFUSE
James G. Ames, Aurora, Ill.
Application July 26, 1945, Serial No. 607,181
11 Claims. (Cl. 110—18)



1. In an incinerator of the class described, in combination, a generally horizontal hearth plate, a generally upright wall surrounding the hearth plate and defining an incinerator space above the hearth plate and a burner compartment beneath the hearth plate, a partition structure extending upwardly from said hearth plate and dividing the space above the hearth plate into a pair of incinerator chambers, said hearth plate having aperture means opening upwardly therethrough from said burner compartment into each of said incinerator chambers, a burner structure disposed in said burner compartment beneath said hearth plate and comprising a drying burner positioned beneath one of said incinerator chambers and an ignition burner positioned beneath the other incinerator chamber, a shield overlying the drying burner to prevent access of the flame of the drying burner to the interior of the overlying incinerator chamber through the aperture means in the part of the hearth plate overlying the drying burner, said ignition burner providing an ignition flame having access to the interior of the overlying incinerator chamber through the aperture means in the part of the hearth plate overlying the ignition burner, and means mounting one of the partition and burner structures for turning movement relative to the other structure whereby to position each one of the incinerator chambers alternately above said drying and ignition burners, with the other incinerator chamber alternately above the other of said burners.

2,493,940
SOLDER CARRIER FINDING
Frederick A. Ballou, Jr., Providence, R. I., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island
Application June 21, 1944, Serial No. 541,422
1 Claim. (Cl. 63—20)



A jewelry article comprising an ornamental member, a bar formed of solder sandwiched between plies of a different material with solder exposed at its edge and also having openings inwardly of the peripheral edge to expose solder between said plies, said member and said bar having broad face-to-face surface areas with one of said outerplies contacting said member adjacent the holes and periphery of said bar, said bar being attached to said member by means of the solder exuded from between said plies at the exposed edge of said opening and peripheral edge bridging one of said contacting plies and joining with said member.

2,493,941
ARMORED CABLE CUTTER
Clark D. Belden, Minneapolis, Minn.
Application November 1, 1948, Serial No. 57,680
11 Claims. (Cl. 30—91)

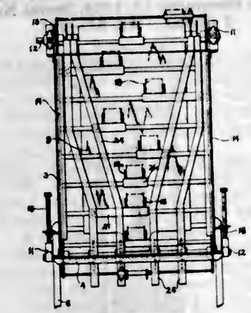


1. A tool for cutting armored cable comprising a pair of pivotally-connected armored cable-gripping jaws, handle portions extending outwardly of said gripping jaws and adapted to lie in closely spaced parallel relationship one with the other when said gripping jaws are closed about said armored cable, a cutting blade pivoted to one of said handles on an axis perpendicular to the pivot axis of said gripping jaws, and a handle lever on said cutting blade, said handle lever extending radially outwardly of the pivot axis of said blade, the cutting edge of said blade being adapted to move into and out of cutting engagement with said armored cable upon pivotal movements of said handle lever and blade in opposite directions.

2,493,942
ELEVATOR AND CONVEYER FOR CYLINDRICAL ARTICLES
David William Bingham, Brighton, Victoria, Australia
Application May 15, 1948, Serial No. 27,564
In Australia May 16, 1947
7 Claims. (Cl. 198—30)

1. An improved elevator or conveyor of the kind indicated comprising a supporting frame carrying a table having a substantially flat surface extending lengthwise of the supporting frame and of sufficient width to include the several paths of all of the cans or like cylindrical articles being handled, endless conveyor elements located one at each side of said table and carrying a series of longitudinally spaced can holders for rolling said cans forward over the table, means for directing each said can holder in succession along a central

path at the feeding end of the apparatus, means for automatically moving said can holders laterally either in a left or right hand direction and for varying the degree of lateral movement of ad-

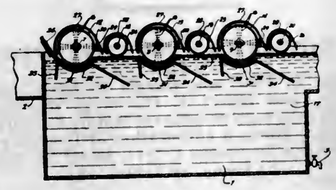


jacent can holders so that adjacent cans finally move forward along laterally spaced paths which are out of longitudinal alignment for the purpose specified.

2,493,943
SURGICAL SUTURE AND METHOD
John O. Bower, Wyncote, Pa.
No Drawing. Application September 15, 1943, Serial No. 502,503
3 Claims. (Cl. 128—335.5)

1. A surgical suture which has been impregnated with an hemoglobin solution.

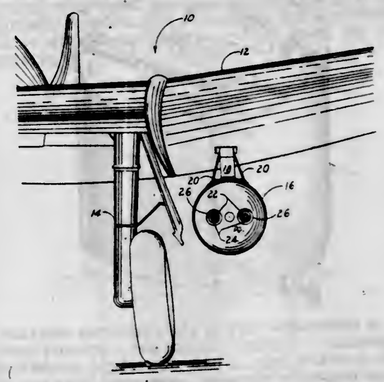
2,493,944
FIBER SCOURING AND WASHING BOWL
Edward H. Brooks, Sr., Portland, Maine, assignor of one-half to Edward H. Brooks, Jr., Portland, and one-half to Elton H. Thompson, Cape Elizabeth, Maine
Application July 12, 1946, Serial No. 683,204
9 Claims. (Cl. 68—43)



3. A fibre scouring and washing device including a tank adapted to receive washing fluid, an apertured roll journaled transversely of said tank adapted to be partially submerged in washing fluid, an arcuate baffle secured to said tank below said roll forming a scouring chamber, a cover secured to said tank and overlying said roll, a plate pivotally secured to said cover, and means for rotating said roll.

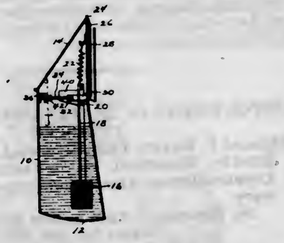
2,493,945
GUN PACKAGE
Russell H. Cocks, Long Beach, and Robert G. Smith, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application May 15, 1944, Serial No. 535,723
12 Claims. (Cl. 89—37.5)

1. A gun package, comprising: a shell formed in the shape of an aircraft bomb; means in said shell for supporting at least one machine gun including the recoil mount thereof, near one end of the shell chamber, the shell having an aperture in said end aligned axially with the barrel of said gun; means in said shell for supporting an ammunition box for said gun at the other end of said shell chamber, the interior chamber of said



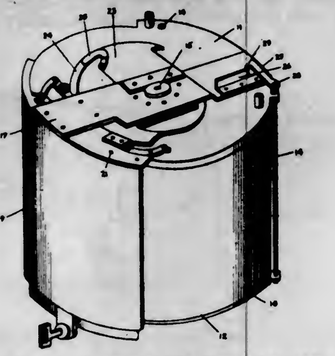
shell laterally aligned with the gun being of sufficient cross sectional area to accommodate the gun and an ammunition chute leading from said ammunition box to the gun feed opening; remotely controllable means in said shell for operating the gun; and package-mounting means on the top of said shell.

2,493,946
GRADOMETER
Glen Craft and Victor G. Carlson, Cherokee, Iowa
Application December 18, 1947, Serial No. 792,564
3 Claims. (Cl. 33—220)



1. A gradometer comprising, an upright housing, a shaft extending transversely of an intermediate portion of said housing on a fixed axis to provide a bearing support, a pendulum arm including a pendulum bob disposed within said housing and supported by said shaft, the said pendulum arm carrying apertures below its upper extremity to receive said shaft and the upper extremity of said pendulum arm extending above said shaft, spring means depending from the upper portion of said housing and connected to the upper extremity of said pendulum arm to stabilize and to relieve the bearing weight of said pendulum arm and bob upon said shaft, a calibrated dial carried by the upper portion of said housing and having an operatively associated indicating pointer and means for transmitting the motion of said pendulum arm to said indicating pointer,

2,493,947
TABERNACLE SAFE
Felix Danninger, Milwaukee, Wis.
Application November 20, 1945, Serial No. 629,905
4 Claims. (Cl. 312—33)

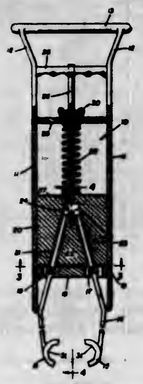


1. A tabernacle safe of the character described comprising a vertical cylindrical enclosure open at its forward face, a pair of vertical projecting means centrally disposed extending outward at right angles from the top and bottom of said enclosure, a single outer door having a radial contour corresponding with the peripheral surface of said enclosure, said door supported by horizontal members engaging the top and bottom projecting means, a pair of inner doors pivotally mounted to the top and bottom of said enclosure, a link member connecting the mountings for said inner doors, a revolvable shaft supported horizontally by the bottom of said enclosure, said shaft arranged for the arcuated movement of the outer door, a contact pin extending outward from said link member, an engaging member on one of the horizontal members supporting said arcuated outer door, said engaging member contacting said contact pin on said link thereby actuating the inner doors simultaneously with said outer door when said horizontal shaft is revolved.

2,493,948
COPOLYMERS OF DIALLYL FUMARATE AND STYRENE
Richard E. Davies, Plainfield, and Amos Raymond Esterly, Metuchen, N. J., assignors to Catalin Corporation of America, a corporation of Delaware
No Drawing. Application July 27, 1944, Serial No. 546,922
2 Claims. (Cl. 260—78.5)

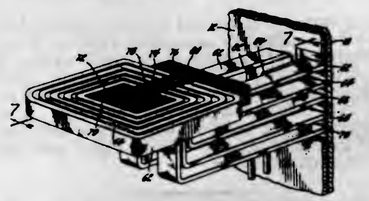
1. The method of making a copolymer of diallyl fumarate and styrene which comprises forming a mixture consisting of diallyl fumarate, styrene and an organic peroxide serving as an accelerator of copolymerization, the proportion of the fumarate being 17 to 80 parts by weight for 100 parts of the combined weight of fumarate and styrene, warming the mixture to a temperature of at least approximately 60° C. until copolymerization is carried to the point of substantial shrinkage and thickening of the original liquid mixture and just short of gelation, so as to produce a preshrunk liquid product of consistency suitable for casting, and then pouring the thus preshrunk material into a mold and polymerizing the poured material at a temperature of approximately 60° C. to 110° C. to form a solid at room temperature.

2,493,949
WRENCH HAVING MANUALLY CLOSED SPRING-OPENED PIVOTED JAWS
Joseph Donahue, Shamokin, Pa.
Application December 10, 1946, Serial No. 715,157
1 Claim. (Cl. 81—78)



A hand grip wrench comprising a frame including a pair of guides, a support fixed to the frame, a pair of gripping jaws pivotally carried by the support, actuating arms carried by said gripping jaws, an actuating block slidably carried by said guides, inverted substantially V-shaped runways provided in said block slidably engaging said actuating arms, a hand gripping member slidably carried by said guides, a centrally apertured cross member secured to said frame intermediate the hand gripping member and the actuating block, a rod secured to said hand gripping member and said block and slidable through the aperture provided in the cross member, and a spring about said rod abutting said cross member and said block and normally urging the gripping jaws in spread position.

2,493,950
HIGH-FREQUENCY INDUCTIVE WELDING APPARATUS
William G. Dow and Harold C. Early, Boston, Mass., and Henry J. Gomberg, Washington, D. C., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 1, 1944, Serial No. 566,052
2 Claims. (Cl. 219—13)

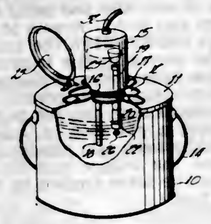


1. In high frequency welding means, a plurality of conductive means so shaped as to form concentric portions of a platform for work piece but spaced from each other, said platform having an opening therethrough at one point, said conductive means being adapted to be connected to a source of high frequency power, a group of magnetic laminations mounted in said opening to partially fill the same and a second group of non-magnetic laminations also mounted in the opening to fill the remainder, both groups tending to concentrate the current in and cool the surface of the work respectively.

2,493,951
PROCESS OF HARDENING ALLOYS BY INDIFFUSION OF A METALLOID
Mari Johan Druyvesteyn and Jan Laurens Meyering, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application May 3, 1946, Serial No. 667,120. In Belgium February 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 8, 1965
4 Claims. (Cl. 148—13.2)

1. The method of manufacturing a hardened body, comprising the steps of heating a monocrystalline alloy body to an elevated temperature, diffusing a metalloid selected from the group consisting of oxygen and nitrogen into said alloy body while the said alloy body is maintained at the said elevated temperature, and thereafter deforming the said alloy body.

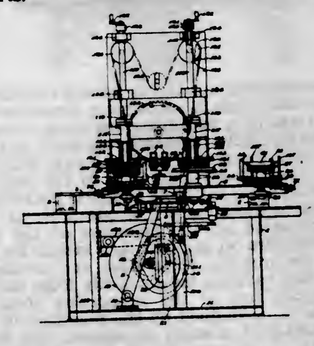
2,493,952
AERATING DEVICE FOR LIVE BAIT CONTAINERS
Gilbert J. Eidson, Irving, Tex.
Application March 10, 1947, Serial No. 733,461
5 Claims. (Cl. 43—57)



1. An aerating device comprising a live bait carrier, a receptacle adapted to be supported on said carrier having parallel tubes depending into the water of said carrier, one of said tubes extending upwardly into said receptacle and provided with ports adjacent its upper and lower ends, a float above said latter tube having a stem extending axially through said tube and having a valve on its lower end seating against and closing the lower end of said tube, and means in the top of said receptacle for exhausting air therefrom creating a partial vacuum therein effective to displace water in said carrier upwardly into said receptacle to close said valve whereby to admit atmospheric air into said receptacle through the ports of said latter tube to reopen said valve and return the displaced water to said carrier.

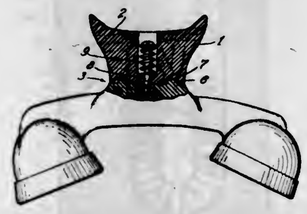
2,493,953
POTTERYWARE DECORATING MACHINE
Walter H. Emerson, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va., a corporation of Delaware
Application June 26, 1943, Serial No. 492,247
9 Claims. (Cl. 101—41)

1. A potteryware decorating machine comprising a group of elements including a pair of laterally spaced supports for ware being decorated with an inking platen between them, a second group of elements above the first group and including a pair of laterally spaced decorating stamps, means for reciprocating one of said groups laterally step-by-step so that each stamp is first above the inking platen and then above one of said supports, and means operative between the pauses of said steps for effecting relative vertical movement between said groups in a substantially straight line whereby to ink the stamps and to stamp decoration on the ware on said supports.



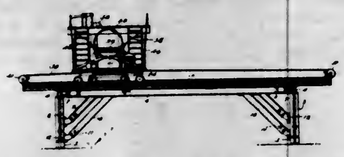
5. A potteryware decorating machine comprising a vertically reciprocable decorating stamp, oscillatable crank means for reciprocating said stamp, a chain and sprockets operatively connected to said crank means, and means for oscillating one of said sprockets in an arc long enough to turn said crank means sufficiently to move the stamp down and up.

2,493,954
COMBINATION RECEIVER-TRANSMITTER TELEPHONE UNIT
Alvin N. Epstein, Chicago, Ill.
Application September 14, 1945, Serial No. 616,170
5 Claims. (Cl. 179—157)



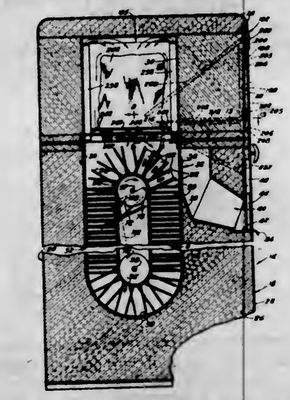
1. A combination receiver-transmitter telephone unit comprising a telephone receiver, a telephone transmitter, a shank connecting said receiver and said transmitter, and a shoulder-rest extending radially with respect to the axis of said shank and comprising a plurality of relatively adjustable portions, a first portion thereof being fixed with respect to said shank and a second portion thereof being connected with said first portion and held by such connection in engagement with said first portion to permit adjustable movement of said second portion with respect to said first portion about an axis radial to the axis of said shank to thereby change the angular position of said second portion with respect to the axis of said shank.

2,493,955
PORTABLE WASHING PLANT
Walter A. Erickson, Anchorage, Territory of Alaska
Application December 13, 1945, Serial No. 634,753
6 Claims. (Cl. 104—126)



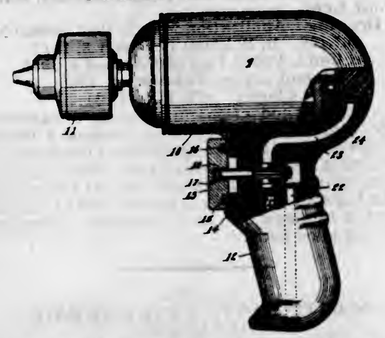
1. Transporting apparatus for ore treating apparatus comprising a supporting structure having the form of a parallelogram when viewed in plan, said structure including two pairs of parallel members, the members of one pair being pivotally connected at their ends to the members of the other pair; shiftable supports beneath and connected to the members of one pair; carriage means mounted on the members of the other pair; turntables on said carriage means for supporting ore treating apparatus; and means for shifting said carriage means bodily from one side to the other side of the supporting structure, said sides being defined by the members of said first named pair, thereby to position the center of gravity of ore treating apparatus supported upon said carriage means above the shiftable supports successively.

2,493,956
VENDING MACHINE
Clement G. Ewertz, Des Moines, Iowa, assignor to Col-Snac Corporation, Chicago, Ill., a corporation of Illinois
Application October 24, 1947, Serial No. 781,901
21 Claims. (Cl. 312—97)



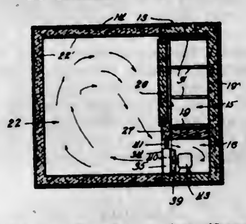
1. A vending machine comprising, in combination, a cabinet, shafts rotatably mounted in the cabinet, an endless belt trained on and movable with said shafts, a plurality of shelves on said endless belt, said shelves adapted for supporting articles to be vended, said cabinet having an outlet therein forming a dispensing station, an ejector bar disposed in the space surrounded by said endless belt, said shelves having openings therein, and a coin controlled operating member extending to the exterior of the cabinet for actuating said ejector bar, said ejector bar on actuation thereof extending through one of said openings and ejecting an article from the respective shelf into said dispensing station.

2,493,957
FLEXIBLE TRIGGER THROTTLE
Clifford E. Fitch, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application October 24, 1945, Serial No. 624,259
6 Claims. (Cl. 74—503)



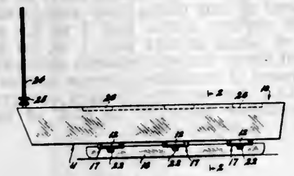
1. In juxtaposition to a handle to be grasped by the hand of an operator, a flexible trigger throttle for a power tool comprising a trigger, said trigger being of such size and being so positioned that the index and middle fingers of the operator naturally rest thereon when the tool is grasped, a device to be moved by the trigger, means for connecting the trigger to said device comprising a pivoted connection which permits rotary motion of the trigger with respect to the point of connection, and a plurality of spaced resilient means located between said handle and the trigger for urging the trigger and the connecting means against the force applied by the operator in using the tool.

2,493,958
MULTIPLE COMPARTMENT REFRIGERATOR
George C. Foerstner, Amana, Iowa, assignor to Amana Society, Amana, Iowa, a corporation of Iowa
Application February 6, 1946, Serial No. 645,849
10 Claims. (Cl. 62—6)



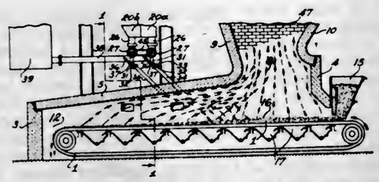
2. In a sectional refrigerator, the combination of a first and second section adapted to be fitted together and having intercommunication when fitted together, the first section having a first refrigerating compartment, the second section forming a second refrigerating compartment with the first section when the sections are secured together, means for securing the sections together, refrigerating means in the first section for cooling both of said compartments, a first refrigerant conduit for cooling the first compartment by conduction, a second refrigerant conduit in the first section, means for impelling air over the second refrigerant conduit and into the second compartment for cooling the second compartment by convection, and means responsive to the temperature of the second refrigerant conduit for controlling the temperature of the second compartment.

2,493,959
ICEBOAT OR OTHER RUNNERED VEHICLE
Louise M. Jones Foulke, Brooklyn, N. Y.
Application May 23, 1947, Serial No. 749,968
4 Claims. (Cl. 280—12)



1. A slide vehicle having a transverse member on the underside thereof, spaced runners transversely slidably mounted on said member whereby said runners may be slid together into the median plane of the boat to act as a single runner or slid apart to act as spaced runners, and means for releasably locking said runners in any of said positions.

2,493,960
METHOD AND APPARATUS FOR BURNING FINE SOLIDS
Charles S. Gladden, Brooklyn, N. Y.
Application December 11, 1945, Serial No. 634,281
2 Claims. (Cl. 110—165)



2. Apparatus for recovering and burning fly-ash comprising a furnace having a combustion chamber defined in part by a front wall, a rear wall, side walls, and a roof sloping upwardly from the rear wall toward the front wall, a substantially horizontal stoker extending from the front wall toward the rear wall and beneath said roof, a stack, a fly-ash collecting hopper between the chamber and stack, a conduit extending downwardly from said hopper at such an angle that fly-ash will flow freely along it, said conduit projecting through the sloping roof over the stoker at a substantial acute angle to the top of said stoker and in a direction opposed to the direction of travel of the stoker, a rotatable trap in said conduit for feeding fly-ash from the hopper into said conduit while preventing counterflow of furnace gases from the conduit into the hopper, and inlet means for admitting air under pressure into the conduit to mix with and propel fly-ash therealong and into said chamber.

2,493,961
WICK FOR OIL BURNERS
Alfred M. Goodloe, Upper Montclair, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application January 22, 1948, Serial No. 3,688
1 Claim. (Cl. 67—69)



In a wick structure for oil and like burners, an elongated wick body having its longitudinal margins disposed to provide bottom and top edges, said body comprising a stratified mass of selected thickness formed by suitably united superposed layers of substantially straight glass filaments, the filaments of each layer being disposed in parallel relation with adjacent filaments closely abutting each other throughout their length whereby the layer is substantially equal in thickness to the diameter of a single filament and has no through interstices, the filaments of adjacent layers being oppositely and sufficiently inclined in the substantial planes of the respective layers so as to cross at very acute angles and thereby provide vertical capillary interstices of greater cross-sectional area for more rapid pull-up power than if the filaments of adjacent layers were parallel and free to become enmeshed.

2,493,962
FLUID CONTROL AND BY-PASS TOOL
Everett J. Gray, San Dimas, Calif., assignor, by mesne assignments, to John B. Hitchings, Long Beach, Calif.
Application September 23, 1946, Serial No. 698,794
9 Claims. (Cl. 166—11)



1. A fluid control tool for a well casing, comprising: a pair of tubular mandrels; a valve body including a housing disposed between and connected with said mandrels and having a valve passage; a valve seat intermediate the ends of said valve passage; a valve member cooperable with said valve seat adapted to open and close

said valve passage; means for moving said valve member relative to said valve seat; packers on the respective mandrels cooperable with a well casing to provide a space forming an annular chamber therebetween surrounding said valve housing; means in said tool establishing communication between the interior of one of said mandrels and said valve passage on one side of said valve seat and the exterior of said one mandrel at the side of the packer thereon remote from said annular chamber; the other of said mandrels having a passage opening into and in direct communication with said annular chamber; and a by-pass duct in said other mandrel in communication with said valve passage on said one side of said valve seat and also communicating with the exterior of said other mandrel at the side of the packer thereon remote from said annular chamber, said valve housing having a port establishing communication between said valve passage and said annular chamber on the side of said valve seat remote from said by-pass duct.

2,493,963

ELECTROLYTIC RECORDING

Harold G. Greig, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Original application October 14, 1944, Serial No. 558,717. Divided and this application November 4, 1944, Serial No. 562,033
2 Claims. (Cl. 204—2)

1. The process of producing dark colored images on a relatively stable background and on only one side of a fibrous traveling carrier by the electrolytic facsimile recording method which comprises subjecting to the action of an electrolytic recording current such a fibrous traveling carrier which has been impregnated with an alkaline azo dye forming composition comprising as its essential components a water soluble inorganic salt as the electrolyte in an amount to facilitate the passage of the electrolytic recording current, a diazoamino compound produced by reacting a compound selected from the class consisting of tetrazotized benzidine and tetrazotized dianisidine with an alkylolamine selected from the class consisting of ethanolamine, diethanolamine, and di-isopropanolamine, said diazoamino compound being stable to light and air oxidation in an alkaline medium and splitting under the influence of the electrolytic recording current to yield diazonium ions, and a sufficient quantity of a coupling component to react with said diazonium ions when formed to produce an azo dye.

2,493,964

PREPARATION OF SUBSTITUTED ALKYLOLTETRAHYDROPYRAN

William F. Gresham and William E. Grigsby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 24, 1947, Serial No. 782,030
9 Claims. (Cl. 260—333)

1. In a process for the preparation of alkylol-substituted hydroxytetrahydropyrans, their cyclic formals and 4-vinyl-1,3-dioxane which comprises reacting at least one mol of formaldehyde per mol of butadiene in the presence of a polymerization inhibitor and an acidic condensation catalyst at a temperature between 100 and 200° C. and under autogenous pressure.

7. 4-vinyl-1,3-dioxane.

2,493,965

EMULSION POLYMERIZATION OF STYRENE

John W. Haefele, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 29, 1947, Serial No. 725,165
2 Claims. (Cl. 260—23)

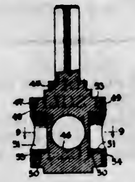
1. The method of producing a polystyrene emulsion having high solids content which comprises heating a mixture of styrene and plasticizer therefor selected from the group consisting of dialkyl phthalates, diaryl phthalates and triaryl phosphates, the amount of plasticizer being over 20% and up to 50% based on the combined weight of styrene and said plasticizer, in water in the presence of 1 to 5 parts by weight of alkali soap of long chain fatty acid having from 12 to 24 carbon atoms and 1 to 2.5 parts by weight of alkali sulfate and 1 to 4.5 parts by weight of alkali dodecyl benzene sulfonate based on 100 parts of combined styrene and said plasticizer, and the combined weight of styrene and said plasticizer being 50 to 65% of the total weight of the liquid system.

2,493,966

VALVE ASSEMBLY

Emmett C. Hartley, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application April 12, 1944, Serial No. 530,619
2 Claims. (Cl. 251—103)



1. A valve rotor comprising a generally cylindriform rotor body having a flow passage therein, a sleeve surrounding the rotor and having a hole therein, said rotor having a bore therein arranged concentrically within the sleeve hole, and a sleeve mounted in and projecting from said bore and having its extended end shaped to conform to the curvature of the outside surface of the sleeve whereby the outside face of the extended portion of the bore mounted sleeve, the inner wall of the hole in the rotor surrounding sleeve and the periphery of the rotor between said face and wall cooperate in forming a sealing ring receiving groove.

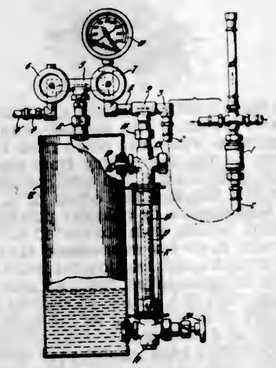
2,493,967

LEAK TESTING UNIT

Walter H. Hendricks, Berkley, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 18, 1946, Serial No. 710,706
8 Claims. (Cl. 73—40)

1. In a pressure fluid operating test device for indicating leakage from a closed space, a fluid pressure conduit for connecting said space with a source of pressure fluid, a first control valve operable to shut off the source of pressure fluid, a fluid pressure indicating gauge connected with the conduit beyond said valve and serviceable to indicate high leakage, and means to supplement said gauge by indicating low leakage including a second valve operable to close the conduit beyond the first valve and a by-pass around the second valve, said by-pass including a tank in communication at its upper portion with the conduit between said valves and containing a liquid in its lower portion, a transparent tube communicating at its upper end with the conduit beyond the second valve and containing a supply of liquid in its lower end, a valved connection between the bottom of said tank and the bottom of said tube, and pressure fluid conducting means leading from the top of said tank and ending in open communication with the tube at a point below the level of liquid therein.

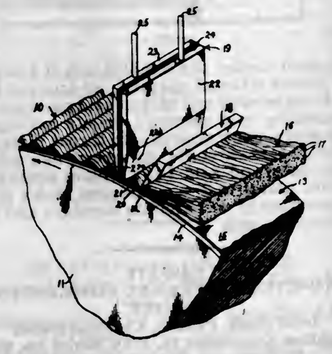


2,493,968

METHOD AND APPARATUS FOR MAKING BATT-COVERED SHEETS

Charles Hepner, Chicago, Ill.

Application October 17, 1946, Serial No. 703,912
19 Claims. (Cl. 154—29)



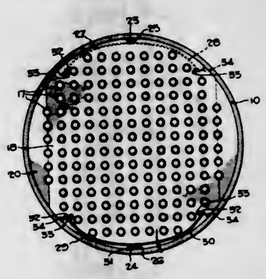
17. In the method of making metal wool-covered paper backed pads by securing a corrugated batt of metal wool to a paper backing having a layer of temperature-sensitive material deposited thereon, the steps which comprise pressing the troughs of said batts into surface engagement with the adhesive layer on said paper sheet, passing an electric heating current through that portion of said trough in contact with said layer, and maintaining said trough in contact with said layer until the adhesive cools to retain said batt in position upon the paper sheet.

2,493,969

HEAT EXCHANGER

Floyd D. James, Whittier, Calif.

Application January 12, 1946, Serial No. 640,861
4 Claims. (Cl. 257—239)



3. An anti by-passing shield construction for a heat exchanger of the type having a shell and a tube bundle within the shell and cross flow baffles disposed along the tube bundle with recesses provided in the edges of the baffles along the length of the shell, comprising a single rod adapted to be seated in the recesses so as to lie lengthwise of the tube bundle and laterally of the direction of cross flow, a plurality of pairs of shields for the rod, there being a pair of shields for each of the spaces between the baffles, the shields of each pair being disposed on opposite sides of the rod, one shield of each pair having a narrowed center portion which is reversely bent to provide a center knuckle, the other shield of each pair having spaced portions reversely bent to provide a pair of spaced knuckles, the rod being slidable through the knuckle with the spaced knuckles straddling the center knuckles to swingably mount the shields, the free margin of each shield being bent outwardly so as to be engageable with the interior surface of the heat exchanger shell, and a leaf spring fastened on the under side of each shield adjacent its outer margin engageable with the exterior of the tube bundle for urging the shields outwardly into engagement with the interior of the heat exchanger shell, the rod and the springs being the sole means of mounting the shield construction and the shields being otherwise unconnected and unfastened to the baffles or tube bundle.

2,493,970

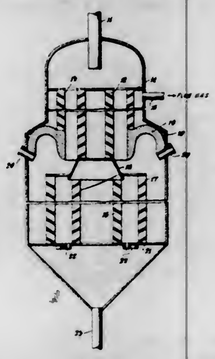
HEATER

George L. Johnson, New York, N. Y., and William A. Hagerbaumer, Westfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 4, 1946, Serial No 659,442
1 Claim. (Cl. 263—19)

In apparatus for heating a granular solid, a first inner louvered wall defining the lower section of a vertical flue, a first outer louvered wall defining an annular vertical heat transfer zone about said lower section of said flue, a second inner louvered wall defining the upper section of said flue, a second outer louvered wall defining an annular vertical heat transfer zone about said upper section of said flue, means to pass an annular bed of granular solid material downward serially through said heat transfer zones, means defining a combustion zone open to a surface of said bed intermediate said sections of said flue, burners in said combustion zone directed

against said surface to generate a flame impinging on said surface, means to conduct hot products of combustion from said combustion zone to the



outer face of said first outer louvered wall, and means to withdraw gases from about said second outer louvered wall.

2,493,971
BOBBER FOR FISHING LINES
Elmer G. Johnson, Hibbing, Minn.
Application April 17, 1946, Serial No. 662,828
5 Claims. (Cl. 43—49)



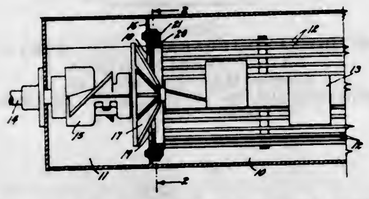
5. A combination of a tube, a float provided with a central opening, said tube being within the opening and extending beyond the ends of the opening and freely slidable therein, a weight mounted on a portion of the tube between a free end thereof and the float and adapted to be held in fixed relation thereto and spaced therefrom, and a head on the opposite end of the tube and in fixed relation thereto, the length of the space between the head and the weight being always greater than the length of the opening within the float, whereby the tube is capable of free sliding movement relative to the float and gravitational movement relative to the float when the weight is located therebelow, said head constituting a stop when the weight is in the latter position, said head being provided with an opening and said tube being provided with a passageway adjacent the head opening for the passage of a line therethrough.

2,493,972
SAW BLADE HOLDING ATTACHMENT FOR PLIERS
Burton Patridge Johnston, Los Angeles, Calif.
Application July 10, 1946, Serial No. 682,717
4 Claims. (Cl. 81—52)



1. In a blade holder or clamp, a pair of opposed, spaced jaws provided with opposed, channel portions or grooves which are offset from the planes of the jaws in directions away from one another and which open toward one another for accommodating the longitudinal edges of a hacksaw blade in said grooves or channel portions, and a loop portion, having ends connected to the inner ends of said jaws for supporting said jaws in normally spaced apart relationship, said loop portion being adapted to be engaged and clamped between the jaws of a pair of pliers and the blade holding jaws being engaged by the plier jaws for moving said blade holder jaws toward one another and into clamping engagement with the hacksaw blade when said loop portion is compressed by closing movement of the pliers' jaws.

2,493,973
THROAT PLATE FOR CORN SHELLERS
Leslie W. Jones, Beemer, Nebr.
Application July 21, 1947, Serial No. 762,455
1 Claim. (Cl. 130—6)



In a corn sheller, the combination of a partition plate having a throat opening; an annular throat plate lying against one face of said partition plate and outlining said opening; arcuate rod-supporting members lying against said throat plate; bolts clamping said arcuate members against said throat plate and said throat plate against said partition plate; and a cylindrical series of steel rods mounted in said arcuate members and forming a shelling cage.

2,493,974
TWO-CYCLE INTERNAL-COMBUSTION ENGINE
Josef Jozif, Prague, Czechoslovakia
Application September 14, 1946, Serial No. 697,104
In Germany December 24, 1943
3 Claims. (Cl. 123—73)

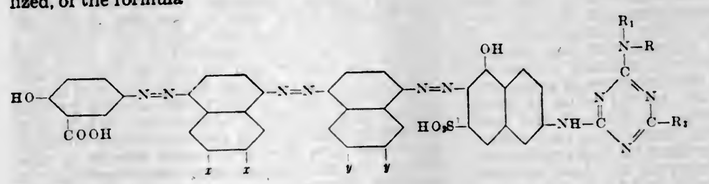
1. A two cycle internal combustion engine including a crankshaft casing integrally formed with a cylindrical portion constituting a part of the working cylinder and provided in its wall with an opening which is in communication with one end of a suction port formed in said cylindrical portion of said crankshaft casing of the engine, a cylinder attached to said cylindrical portion in axial alignment therewith and constituting the remaining part of the working cylinder, a chamber formed adjacent said suction port by a depression in the crankshaft casing, a cover for said chamber, means for removably attaching said cover to said crankshaft casing, a carburetor with an air filter mounted in



said chamber, and means connecting the outlet of said carburetor directly with the other end of said suction port, said air filter having its inlet arranged in a wall of said chamber.

2,493,975
TRISAZO-DYESTUFFS
Otto Kaiser, Dornach, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application May 29, 1946, Serial No. 673,171. In Switzerland June 21, 1945
4 Claims. (Cl. 260—153)

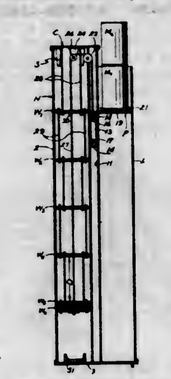
1. A trisazo-dyestuff, capable of being metallized, of the formula



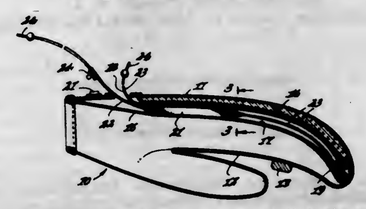
in which R_1 stands for a member of the group consisting of hydrogen and an alkyl radical, R_2 for an aromatic nucleus of the benzene series free from hydroxy and rarboxylic acid groups and R_3 for a member of the group consisting of chlorine and the residue of an aromatic amine of the benzene series free from hydroxy and carboxylic acid groups and linked with its nitrogen atom to the triazine ring, in which further one x represents a sulfonic acid group and the other x and one y represent hydrogen atoms, and the other y represents a member of the group consisting of hydrogen and a sulfonic acid group.

2,493,976
MERCHANDISE DISPENSER
Lawrence C. Klemm and Walter E. King, Ashland, Ohio
Application February 9, 1948, Serial No. 7,117
3 Claims. (Cl. 312—71)

2. Dispensing apparatus for discrete articles of predetermined height and weight comprising vertical framework means, platform means mounted for vertical reciprocation in said framework means, an upper weight and one or more underlying weights, flexible tension means suspending each of said underlying weights from the weight above it and suspending said upper weight from said framework, guide means carried by said framework above said upper weight, and flexible tension means running over said guide and attached at one end to the lowest of said weights and at the other end to said platform means the weights above said lower weight being equal to the weight of an article to be dispensed and being slidable relative to said tension means.

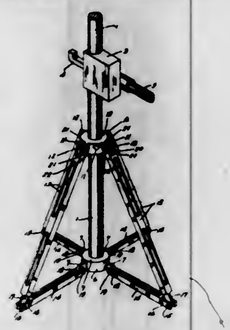


2,493,977
GLOVE
Herman S. Kochman, Brooklyn, N. Y.
Application May 20, 1948, Serial No. 28,250
1 Claim. (Cl. 2—18)



A glove having a lining secured therein spaced from the back of the glove thereby providing a pocket in the glove, said back of the glove having an opening therethrough near the wrist giving access into said pocket, a pad slidably mounted in said pocket, a transverse guide secured at its ends in said pocket to one wall of the pocket near the tip of the glove thereby providing a space between said pocket wall and the intermediate portion of said guide, a flexible tape having one end secured to said pad, said tape passing through said space and being trained about said guide and passing rearward and out through said opening, a second flexible tape having one end secured to said pad and extending rearward and out through said opening, said flexible members having their other ends free.

2,493,978
COLLAPSIBLE STAND FOR BUMPER JACKS
Arthur M. Kromer, Minneapolis, Minn.
Application May 31, 1946, Serial No. 673,403
1 Claim. (Cl. 248—166)



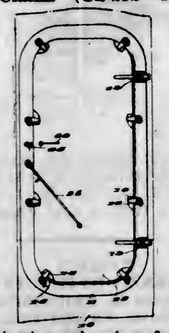
A standard for jacks which comprises an upright supporting post having a rounded lower end, a collar anchored to the post substantially above said lower end, a separate base member having an upwardly opening socket for freely receiving and supporting said lower end of the post, a series of upper arms disposed circumferentially about the post and having corresponding ends thereof pivotally connected to the collar, a second series of lower arms vertically aligned with and having corresponding ends thereof pivotally connected to the opposite ends of the first series of arms, and the opposite ends of the second series of arms being pivotally connected to sides of the base member and supporting same from said collar, the connected arms providing for free gravity collapsing of the arms carrying the base member beyond the end of the post and for seating of the base member on the rounded lower end of the post when the standard is in operative position.

2,493,979
FRUIT-CORING IMPLEMENT
Rudolph Kudd, Passaic, N. J.
Application August 14, 1946, Serial No. 690,398
6 Claims. (Cl. 30—25)



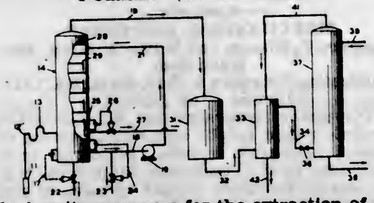
1. A fruit-coring implement comprising an elongated substantially cylindrical tubular cutter having an annular lower cutting edge, a curved elongated severing blade having a sharp front cutting edge and a blunt rear edge, said blade being curved longitudinally thereof on a radius nearly the same as that of the cutter and having its end portions pivoted to the cutter on an axis adjacent the lower cutting edge of the cutter, so that the cutting edges of the blade and tubular cutter abut with the cutting edge of the blade facing downwardly and the rear edge upwardly, a tubular plunger in telescoped relation to the cutter, the plunger being movable lengthwise of the cutter, and means on the lower edge of the plunger engaging the rear edge of the severing blade to displace it downwardly about its pivotal axis when the plunger is depressed relative to the cutter.

2,493,980
HANDLE RETAINING STRUCTURE FOR DOORS
Francis M. Lambert, Narberth, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1946, Serial No. 713,975
1 Claim. (Cl. 292—48)



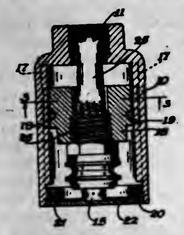
A handle detent mechanism for a dog operating handle mounted on a door frame and movable between latching and unlatching positions, said mechanism comprising a box-like bracket on the door frame extending toward said handle, said bracket being open on the side facing the doorway and on the side facing the handle, a detent arm pivotally mounted in the open side facing the handle and having an end portion extending a short distance into the path of movement of the door, a short arm carried by said handle and extending toward said detent arm when said handle is in the unlatching position, said short arm having a recess therein, a projection on said detent arm complementary in shape to said recess and extending at an angle away from the doorway, and a spring within said box-like bracket urging said detent arm toward engagement with said short arm to hold the handle in the unlatching position but operable to permit movement of said detent arm to a handle releasing position upon engagement of the door with the end portion of the detent arm as the door moves to closed position.

2,493,981
TREATMENT OF HYDROCARBONS
John W. Latchum, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 5, 1945, Serial No. 614,565
4 Claims. (Cl. 183—114.6)



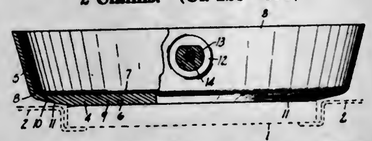
1. A unitary process for the extraction of condensible hydrocarbons from a distillate well effluent and characterized by the long operating life of a solid desiccant material used in a desiccation step comprising the steps of extracting easily condensible hydrocarbons from said distillate well effluent, desiccating said extracted effluent by passage through a bed of solid desiccant material, and finally cooling and extracting difficultly condensible hydrocarbons from the dried effluent.

2,493,982
SPRAY HEAD FOR FIRE SPRINKLER SYSTEMS
Floyd J. Lee, Fullerton, Calif., assignor to Akron Brass Mfg. Company, Inc., Wooster, Ohio, a corporation of Ohio
Application March 26, 1948, Serial No. 17,202
2 Claims. (Cl. 169—37)



1. For use in fire sprinkler systems of the type having branch conduits leading from a single water valve, a spray head arranged for open connection to a branch conduit comprising a cup having an unvalved water inlet port, a piston slidable in said cup, an opening extending axially through said piston, a spray nozzle mounted on said piston and in communication with said opening, shoulder means within said cup to engage and retain the piston in the cup, and closure means for the mouth of said cup comprising a relatively flat disc-like member, the periphery of said disc-like member engaging the mouth of said cup with a press friction fit, said friction fit being firm enough to support the weight of said piston and nozzle with the cup inverted, but free enough to be dislodged by water pressure behind the piston.

2,493,983
COOKING UTENSIL
Arthur Lindsy, Kalamazoo, Mich., assignor of one-half to Ora Lindsy, Kalamazoo, Mich.
Application October 23, 1944, Serial No. 559,899
2 Claims. (Cl. 126—390)

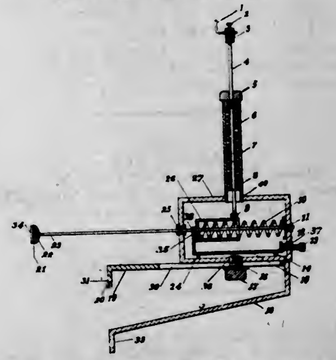


1. A cooking utensil comprising a bottom and outwardly flaring side wall formed as an integral casting, the central and major portion of the bottom being relatively thick, the upper surface of the bottom constituting a cooking surface extending to the side wall and flat throughout, the under side of such central and major portion of the bottom being in its substantial entirety substantially flat and parallel with said upper flat surface thereof, said under flat surface portion of the bottom being surrounded with an annular upwardly inclined under surface portion merging into the side wall, the cooking surface extending over said annular upwardly inclined under surface portion, the portion of the cooking surface over said annular upwardly inclined under surface lying in a common plane with the cooking surface over the relatively thick central bottom portion, the outer edge of said annular upwardly inclined under surface being substantially spaced throughout the length of said outer edge above the plane of the under side of the relatively thick central bottom portion, the angle of said annular upwardly inclined portion being such as to clear the top of a stove when said flat under surface is supported by a burner, the substantial thickness of said central major portion of the bottom facilitating the transmission of a substantial quantity of heat from the same to said annular upwardly inclined portion and thence to the cooking surface above the last named portion.

2,493,984
ETCHING COMPOUND
George R. McKay, Garden City, N. Y., assignor to McKay Chemical Company, Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application November 13, 1947, Serial No. 785,817
3 Claims. (Cl. 41—42)

3. A glass etching agent comprising hydrofluoric acid and carbon.

2,493,985
SPEED WARNING DEVICE
James L. McKnight, Houston, Tex.
Application February 24, 1947, Serial No. 730,408
6 Claims. (Cl. 74—526)



1. In a speed warning device for motor vehicles, means for contacting the accelerating means of the said vehicle and offering resistance thereto when a predetermined acceleration has been reached and in operative connection with said accelerating means, means for moving said contacting means out of contacting relation with said accelerating means and manually controlled spring operated means for returning said resistance means to resisting position with the accelerator at the predetermined position.

2,493,986
HEAVY METAL SALTS OF ALKYL PHENOL SULFIDES AND METHOD OF MAKING SAME
John G. McNab, Cranford, N. J., and Walter T. Watkins, Jr., Norfolk, Va., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application December 30, 1939, Serial No. 311,838. Divided and this application October 18, 1944, Serial No. 559,258
15 Claims. (Cl. 260—439)

1. An oil miscible condensation product consisting of an alkyl substituted aryl metal oxide in

which the oxygen of the metal oxide group is directly attached to the aryl nucleus, in which at least two alkylated aryl nuclei are interconnected by at least one atom of an element of the sulfur family in which said metal is a metal of group VIII, series 4, of the Mendeleeff Periodic Table, all of the valences of said metal being satisfied by an aryl oxide group as defined above, and in which the alkyl radicals each contain at least four carbon atoms.

2,493,987

ALUMINUM SALTS OF ALKYLATED PHENOL SULFIDES

Pharis Miller, Mountainside, N. J., and Eugene Lieber, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application December 27, 1939, Serial No. 311,118. Divided and this application October 18, 1944, Serial No. 559,255

10 Claims. (Cl. 260—448)

1. As a new chemical compound, an alkyl substituted aryl aluminum oxide having the structure



in which each of the three atoms of oxygen is a nuclear attached oxygen of an alkyl phenol sulfide, the said alkyl groups containing at least four carbon atoms per molecule.

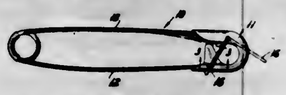
2,493,988

SAFETY PIN

Bruno Mezzadri, New York, N. Y.

Application April 2, 1947, Serial No. 738,796

1 Claim. (Cl. 24—157)



A safety pin including a shield at the head of the pin, a back member fixed to and extending from said shield at the back of the shield, and a front pointed member adapted to be moved to bring its free end into the shield behind the nose of the shield, said nose having aligned holes through the side walls thereof, a yoke-shaped member having aligned projections on the free ends of the arms thereof, said projections extending toward each other and registering in said holes to secure said yoke-shaped member to said shield, the back of said shield having opposed grooves in the walls thereof, said nose and said back of said shield being mutually parallel, said grooves being spaced forward near the free end of said back with respect to an imaginary line drawn through the axis of said holes at right angles to said nose and back, said yoke possessing a degree of resiliency and having a length slightly less than the distance between the outer surface of said back between said grooves and said holes, the axes of said grooves lying in an imaginary plane which is common with the common axis of said holes, said yoke-shaped member lying in said imaginary plane when in locking position and having said arms thereof registering in said grooves, the pointed end of said front pointed member extending through said imaginary plane when said pin is closed.

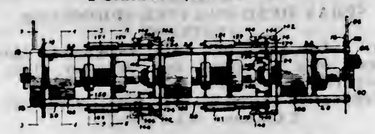
2,493,989

SPRING MOTOR

Brewster P. Middlestetter, near Lewisburg, Ohio

Application July 10, 1946, Serial No. 682,711

4 Claims. (Cl. 185—37)



1. A spring motor assembly including a plurality of spring motors arranged in tandem, a common drive shaft passing through the spring motors, each of the spring motors including a tubular member rotatably mounted on the drive shaft, a spring having one end fixedly mounted and the opposite end attached to the tubular member, said tubular member being provided with threads projecting beyond the spring, clutch mechanisms for connecting the spring motors to the drive shaft, there being one clutch mechanism for each spring motor, brake means for holding each succeeding motor, and means for releasing the brake means for one motor at a time, said releasing means including a threaded member actuated axially by the tubular member of the motor driving the shaft, said threaded member releasing the brake means of the next succeeding motor whenever the threaded member is actuated into a predetermined position.

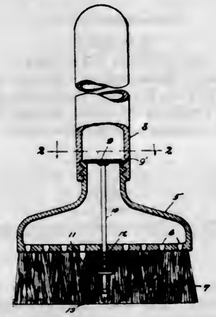
2,493,990

FOUNTAIN BRUSH WITH WORK OPERATED DISCHARGE VALVE

Robert Morgadanes, Dolores Morgadanes, Angela M. Morgadanes, and Celia Morgadanes, New Orleans, La.

Application December 11, 1945, Serial No. 634,186

1 Claim. (Cl. 15—139)



A dish washing apparatus comprising a hollow head having a threaded extension, the free end of the extension providing a valve seat, said head having discharge openings and having bristles mounted adjacent to the discharge openings to receive liquid soap therefrom providing a brush, a hollow handle providing a reservoir, removably secured to the threaded extension, a valve adapted to engage the valve seat and close the hollow head against liquid soap passing into the hollow head from the handle, a rod extending from the valve terminating in an enlargement at a point beyond the head, within the bristles and normally spaced substantially from the free ends of the bristles of the brush, a washer secured to the rod in spaced relation to the free

end of the rod, a coiled spring positioned on the rod and engaging said washer, said spring also engaging the outer surface of the head normally urging the valve to its closed position, said rod adapted to move to open the valve when the enlargement on the rod is pressed against an article being washed, releasing liquid soap.

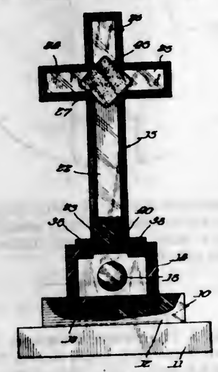
2,493,991

ORNAMENTAL ILLUMINATED DEVICE

William J. Morrison, Chicago, Ill.

Application March 22, 1947, Serial No. 736,604

2 Claims. (Cl. 240—10)



1. In a device of the character described, an ornament in the form of a cross and constructed of material capable of transmitting light rays longitudinally of the length of the material, said cross including a standard, a pair of horizontal arms supported by the standard and extending in opposite directions, and a vertical arm also supported by the standard, said standard having a truncated upper end providing angular surfaces and a flat top, each horizontal arm also having a truncated end providing angular surfaces and a flat top, each arm being positioned on the standard with an angular surface substantially in contact with an angular surface of the standard, and said vertical arm having a pointed end providing angular surfaces which meet at an apex, the vertical arm being positioned with its angular surfaces substantially in contact with angular surfaces provided by the horizontal arms.

2,493,992

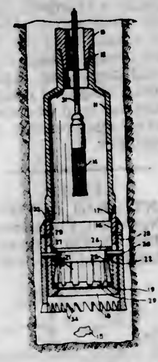
ELECTROMAGNETIC FISHING TOOL

James P. Murphy and Howard E. McKinney, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 1, 1948, Serial No. 57,754

6 Claims. (Cl. 294—86.1)

6. For use in well installations comprising a plurality of tubular members consecutively connectable to each other to form a tubular string, a magnetic fishing device comprising in combination, non-magnetic cylindrical cage means having a bore therethrough, said cage means being connected to the lowermost tubular member, a shoe mounted in screw threaded attachment on the outside of said cage means and extending below the lower end thereof, non-magnetic closure means carried by said cage means within said bore near the lower end thereof, said closure means comprising a ring mounted inside said cage means and a plurality of finger-like elements hinged to the ring, said elements being movable from an open position substantially parallel to the wall of the cage to a substantially horizontal position whereby the lower end of the cage is closed, carried by said cage means normally locking said closure means in an open position, electromagnet means adapted to be lowered through said cage means on a conductor cable through said tubular string after said string had been



formed of said tubular members to extend from the surface to the bottom of the well, a power source for selectively energizing said electromagnet means, and electrical indicating means adjacent to the top of the tubular string to indicate contact between said energized electromagnet means and a magnetizable object at the bottom of the well, said holding means being operable by raising of the energized electromagnet means into said cage means whereby said closure means are released.

2,493,993

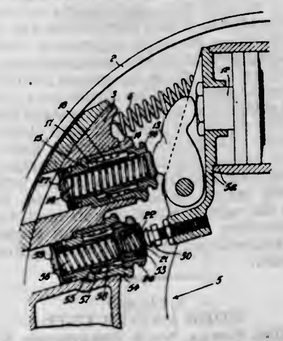
AUTOMATIC BRAKE ADJUSTER

Fred Neale, Coventry, England

Application June 19, 1945, Serial No. 600,283

In Great Britain July 6, 1944

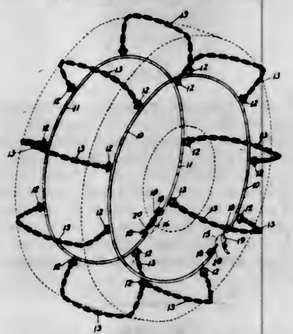
2 Claims. (Cl. 188—79.5)



2. In a brake mechanism, a brake shoe member, and a cooperating brake member, in combination with an axially bored body mounted on one of said members, the bore of said body having an enlarged portion at one end thereof, a nut screwing into the enlarged portion of said bore, said nut having a bore therein coaxial with the bore of said body, an axially movable hollow

plunger formed with an internal abutment and having external ratchet teeth and slidably mounted in the bores of said body and said nut and having an operative end extending from said nut and operatively engaging the other said member, a compression spring within said plunger, a cap screwing on said body and compressing said spring between its inner face and the opposed face of said abutment to urge said plunger into engagement with said other member, a plurality of annularly arranged axially extending ratchet segments disposed in the enlarged portion of said bore of said body for cooperation with the teeth of said plunger, said nut limiting axial movement of said segments, and a radially expandible coil spring disposed coaxially about said segments and urging said segments radially inward into operative engagement with the ratchet teeth of said plunger.

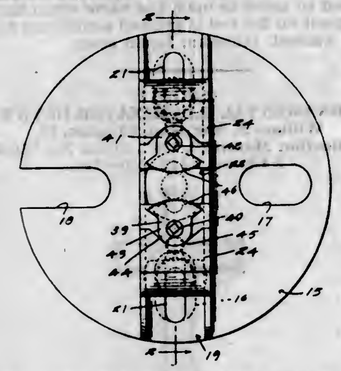
2,493,994
ANTISKID DEVICE
Paul A. Newman, Philadelphia, Pa.
Application July 11, 1946, Serial No. 682,879
7 Claims. (Cl. 152—242)



1. An anti-skid device for the rubber-tired wheel of a vehicle comprising a pair of rings for disposition on opposite sides of the tire, each of said rings being of resilient one-piece construction, of unstressed diameter less than the outer diameter of said tire and having terminal portions separated by a gap permitting it to be sprung over said tire, a plurality of spaced cross-chains each pivotally secured at its opposite ends to said rings and held by them in spaced relation during and after mounting of the device as a unit on the tire, and means for closing said gaps of each of the rings of the device as mounted, said closing means comprising disengageable locking members respectively connected to terminal portions of the associated ring and being of a length sufficient to bridge the gaps thereof when said rings are mounted on said tire and are in unstressed condition, whereby when the locking members are locked, expansion of the rings by centrifugal force is precluded.

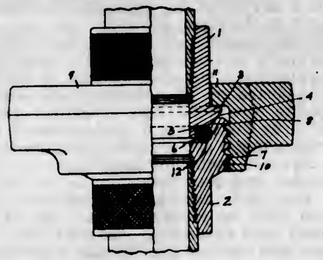
2,493,995
WORK DRIVER UNIT
Sterling Nowka, North Tonawanda, N. Y.
Application June 19, 1945, Serial No. 600,389
3 Claims. (Cl. 82—42)

1. A workpiece gripping device for a machine tool comprising a driving shaft, a face plate thereon, a channelled base member formed with a pair of elongated slots in the bight thereof, a pair of blocks engaging in the channel of said member, means engaging through said slots and engaging said blocks mounting said base member on the face plate with the transverse median of said member substantially intersecting the axis of the workpiece, each block having a socket



therein, a cam-shaped workpiece gripping jaw in each socket and means pivotally securing said jaw in said socket, said jaws being diametrically opposed to each other.

2,493,996
PIPE UNION
Daniel J. Parmesan, Houston, Tex.
Application August 2, 1948, Serial No. 42,000
3 Claims. (Cl. 285—122)

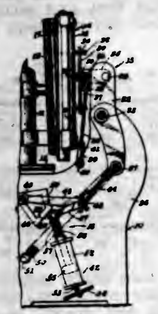


1. A union comprising, two tubular coupling members, one having an outwardly curved annular, external face and an external, annular groove inwardly of said face, and the other coupling member having an internal, curved flared face which fits closely against said external face outwardly of said groove, said other coupling member also having an annular groove, said grooves registering, a resilient seal ring seated in said grooves, the adjacent ends of said coupling members, inwardly of the grooves, being spaced apart, to expose said resilient seal ring to the internal pressure within the coupling members and means securing said coupling members together.

2,493,997
PRESSING HEAD MOUNTING AND MOVING MEANS
Otto H. Pearsen, Salt Lake City, Utah, assignor to Louis N. Strike, Salt Lake City, Utah
Original application April 2, 1945, Serial No. 586,653. Divided and this application December 12, 1946, Serial No. 715,633
6 Claims. (Cl. 33—36)

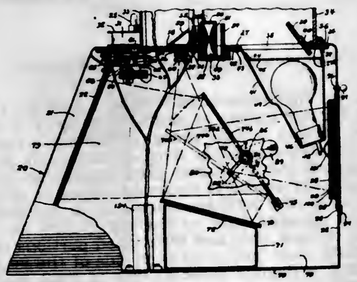
1. Mechanism of the character described comprising a fixed frame, a substantially upright

pressing head, a member connected to the pressing head for limited universal movement of the latter, an operating lever pivotally connected to said member to move the same and the pressing head thereon toward and from a pressing position, a pivotal mounting on the frame for the lever, and means supporting the pressing head



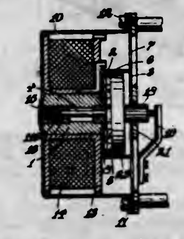
for substantially straight-line movement during arcuate movement of the operating lever on its pivot, said latter means comprising an adjustably elongatable member connected to the pressing head-carrying member and mounted on the frame to pivot in the direction of movement of the operating lever.

2,493,998
COMBINATION PROJECTOR AND PRINTER
Verneur E. Pratt and George F. Gray, Norwalk, Conn.
Original application March 7, 1945, Serial No. 581,354. Divided and this application October 3, 1946, Serial No. 700,924
8 Claims. (Cl. 88—24)



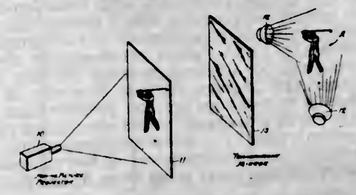
1. In a projector, a casing, film supporting and advancing means carried on a top wall of said casing including a lens having its optical axis perpendicular to said top wall, a screen carried in one side wall of said casing, a light sensitive medium carried in an opposite wall of said casing, means for illuminating said film, a fixed mirror in said casing, a double surface mirror in said casing, a support for said last mirror, means connected to said support for adjusting said mirror to two positions whereby in one of said positions one surface of said mirror will receive the emergent beam from said lens via said fixed mirror and reflect same to said screen and when in the other of said positions will reflect said beam directly to said sensitive surface, said mirror in either of said positions having a reflecting surface forming part of the light path between said lens and its focal plane, said screen and said light sensitive surface lying at the front focal plane of said lens determined by the adjusted position of said mirror.

2,493,999
SMALL SYNCHRONOUS ELECTRIC MOTOR
Joseph Riley, Cheltenham, England, assignor, by direct and mesne assignments, of one-half to Riley Clock and Instrument Company Limited, Saltburn, England, a British company and one-half to S. Smith & Sons (England) Limited, London, England, a British company
Application September 24, 1946, Serial No. 699,057
In Great Britain September 7, 1945
2 Claims. (Cl. 172—275)



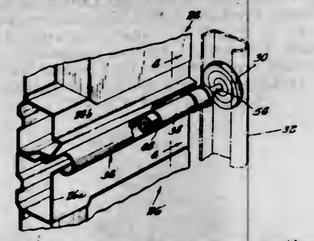
1. A small synchronous motor comprising a cup like casing, a stator, a hollow core of magnetic material within and rising from the bottom of said casing, a field winding for receiving an A. C. supply, said field winding being carried by and partially enveloping said hollow core, said stator comprising two spaced sheet-iron parts one of which is carried by said hollow core at one end thereof, the other of said sheet-iron parts carried by and forming the cover for said casing, a plurality of pole pieces stamped from said sheet-iron parts in staggered alternate relationship forming complemental poles spaced apart circumferentially coaxial with said hollow core, said sheet-iron parts forming a part of the magnetic circuit, a multipole rotor and spindle within the circumscribed area of said pole pieces, and bearing means for rotatably supporting said spindle within said hollow core at one end and within one of said stator sheet-iron plates at the other end.

2,494,000
METHOD AND MEANS FOR TEACHING MANUAL SKILLS
Clarence H. Robertson, West Lafayette, Ind.
Application February 11, 1946, Serial No. 646,894
7 Claims. (Cl. 35—29)



1. Method of learning a manual skill requiring coordination in time and position of parts of the body which comprises, establishing images of a standard sequence of timed movements, and matching as nearly as possible such standard sequence of images by superimposing thereon the continuously changing image of a pupil learning the skill.

2,494,001
HINGE CONSTRUCTION
Alvin V. Rowe, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois
Original application January 10, 1945, Serial No. 572,127, now Patent No. 2,391,845, dated December 25, 1945. Divided and this application October 20, 1945, Serial No. 623,504
8 Claims. (Cl. 160—229)



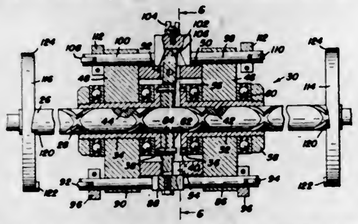
1. A hinge construction for connecting sheet metal door sections adapted to be shifted between closed vertical and open horizontal overhead position, each door section comprising a sheet metal door panel and sheet metal rails of hollow construction along opposite longitudinal margins of said panel, said panel including hinge members extending from adjoining hollow rails, one hinge member adjacent each end of the rails, and a coaxial complementary hinge member on an adjacent panel associated with each of the first mentioned hinge members, each pair of coaxial complementary hinge members including a hinge pin extending longitudinally thereof and holding said members in cooperating hinged relationship.

2,494,002
CREAMING OF MIXTURES OF SYNTHETIC RUBBER LATICES OF DIFFERENT AVERAGE PARTICLE SIZES
John S. Rumbold, New Haven, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 11, 1946, Serial No. 640,688
6 Claims. (Cl. 260—85.1)

1. The improvement in the creaming with hydrophilic colloidal creaming agents of synthetic rubber latices comprising aqueous emulsion polymerizates of polymerizable material selected from the group consisting of butadienes-1,3 and mixtures of butadienes-1,3 with up to 70% of said mixture of material which contains a $CH_2=C<$ group and is copolymerizable with butadienes-1,3 which comprises creaming with a hydrophilic colloidal creaming agent a mixture of such emulsion polymerizates of the same polymerizable chemical material of different average particle sizes such that the average particle diameter of the mixture is at least .05 micron greater than the average particle diameter of the component emulsion polymerizate of smallest average particle size, the average particle diameters of the component emulsion polymerizates being from .07 to 1 micron.

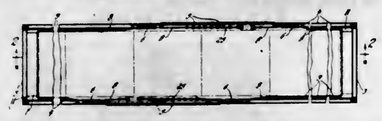
2,494,003
AUTOMATIC LEVEL HOSE WINDER
Edward F. Russ, Euclid, Ohio
Application December 24, 1948, Serial No. 67,114
9 Claims. (Cl. 242—158)

1. In an automatic level hose winder including a frame and a drum journaled for rotation on said frame, a driven shaft having a double helix groove in its outer periphery, a spooling device movable back and forth on said driven shaft, a clutch controlling the directional movement of said spooling device, means for rotating said drum and said shaft, a slidable operating rod connected to said clutch for operating the same, said rod having first and second end portions, first and second end members mounted on and



rotatable with said shaft, means carried by said first end member engageable with the first end portion of said rod during movement of said spooling device in one direction to change the directional movement of said spooling device, and means carried by said second end member engageable with the second end portion of said rod during movement of said spooling device toward said second end member for changing the directional movement of said spooling device.

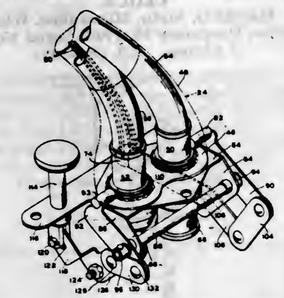
2,494,004
LADING IMPACT ABSORBER
Gustaf W. Rydner and Roy T. Collins, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 6, 1947, Serial No. 726,832
7 Claims. (Cl. 105—369)



1. In the shipment of freight, a transport carrier having means to shiftably support a cargo load, friction snubber drums permanently mounted and non-rotatably fixed at each side of the transport carrier, cargo load embracing means comprising portions engaging opposite ends of the load and portions extending in tension between opposite ends of the cargo load on both sides thereof, said last mentioned portions intermediate their length on each side of the load including a flexible cable having at least one encircling loop wrapped around a friction snubber drum for sliding friction cooperation therewith and an adjustable spring take up device joined to the cable for yieldably maintaining the cable under tension and in snug wrap around engagement with the drum, said device being adjustable to vary the spring preload in relation to the weight of the particular cargo load.

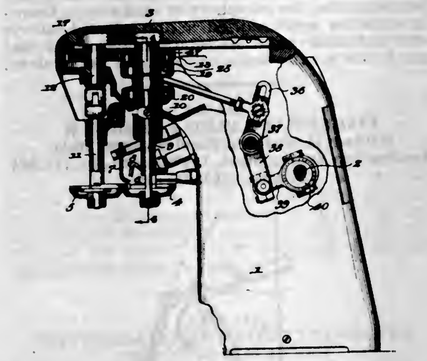
2,494,005
PILOT'S QUICK DISCONNECT OF SUPPLY LINES
Jerome R. Sabbia, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 4, 1947, Serial No. 772,199
6 Claims. (Cl. 244—122)

2. In an aircraft, an ejectable pilot's seat adapted to be projected from the pilot's compartment, pilot's equipment adapted to be worn by a pilot in said seat, means including fluid and electrical supply lines connecting said equipment with sources of supply carried by the aircraft including a flexible adapter, releasable disconnecting means in said supply lines including telescoping stationary and movable fittings, said fittings having cooperating means for holding



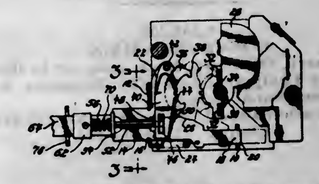
the same releasably in fluid tight relation, cam members pivotally mounted on adjacent fixed structure of the aircraft adapted to engage said movable fittings and move them positively out of engagement with said stationary fittings, and means actuated by the seat as the latter is projected from said compartment for actuating said cam means.

2,494,006
CLUTCH MECHANISM FOR SEWING MACHINES
Edgar Scholl, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1946, Serial No. 700,480
7 Claims. (Cl. 74—144)



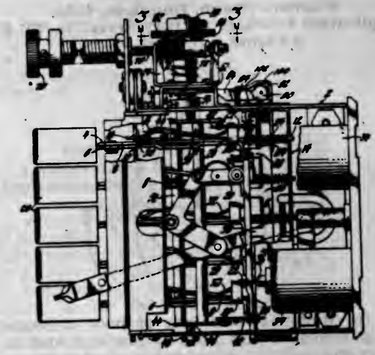
1. A clutch mechanism for sewing machines comprising an actuated shaft, a clutch barrel on said shaft, a clutch block associated with said barrel, gripping rollers between the clutch block and said barrel, means for oscillating the clutch block for moving said barrel intermittently, and means for securing said clutch barrel to said shaft with the clutching surface of the clutch barrel eccentric to the center of the shaft whereby the line of grip between the rollers and the clutching surfaces of the clutch block will shift as the barrel is rotated, the clutching surfaces of said clutch block being curved so that the wedge angle is substantially constant for all gripping positions of the rollers.

2,494,007
TUNING MEANS
Bertram A. Schwarz, Kokomo, Ind., and Ludwig J. Fichter, Rockford, Ill., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 3, 1947, Serial No. 739,244
4 Claims. (Cl. 74—10.33)



1. In tuning means for a radio receiver, rotatable means for tuning said receiver to different stations, reciprocable means mounted for movement toward said rotatable means, an adjustable cam on said reciprocable means, pivotal frictional locking means for said cam, spring biasing means to maintain said locking means in locked position, shaft means rotatably mounted on the side of the reciprocable means and threadedly engaging said locking means at the inner end to move the locking means upon shaft rotation, said outer end being provided with coarse spiral threads and manually engageable means slideably mounted on said reciprocating means and having an internal threaded surface surrounding the spiral threads so that upon relative movement of the two the shaft will turn and unlock the locking means.

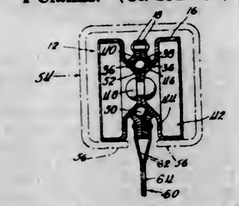
2,494,008
RADIO TUNING DEVICE
Bertram A. Schwarz, Howard M. Steizl, and Manfred G. Wright, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 31, 1948, Serial No. 18,154
6 Claims. (Cl. 74—10.33)



1. In means for tuning a radio receiver, an adjustably positionable member secured to the tuning means for the receiver, manual drive means for moving said member, clutch means interposed between the manual drive and the member so that the latter may be disconnected, a plurality of assemblies mounted for reciprocating movement

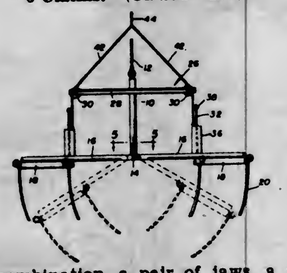
toward the member each assembly including a plurality of slides having limited relative longitudinal movement, adjustable cam means on one of the slides of each assembly to selectively contact the positionable member upon movement toward the same, locking means for the cams on said slides actuated by relative movement of the same and clutch operating means engageable by one slide of any of the reciprocating assemblies as it is forced inwardly to operate the clutch and disconnect the manual drive so that small rotative forces may turn the member.

2,494,009
CONVEYER CHAIN
Allen Sharp, Ottumwa, Iowa, assignor to Barker Poultry Equipment Company, Ottumwa, Iowa, a corporation of Iowa
Application June 4, 1947, Serial No. 752,315
4 Claims. (Cl. 104—94)



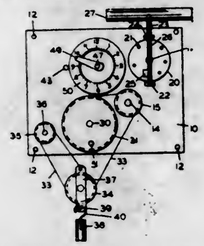
1. A conveyor chain link comprising, in combination, a pair of flat plates secured together and having registering openings therethrough, the marginal edges of said openings being flared away from each other outwardly from the planes of the respective plates, and a pair of wheels, each wheel having an axial tapered projection terminating in a flat face, said tapered portions extending into said openings with said flat faces abutting, said flat faces and thereby said wheels being secured rigidly together, said tapered projections forming a bearing race co-operating with said first race, and a plurality of bearings in said races.

2,494,010
CLAW GRABHOOK
Woodard Spann, Gunnison, Colo.
Application February 10, 1947, Serial No. 727,572
6 Claims. (Cl. 294—107)



6. In combination, a pair of jaws, a support bar attached to said jaws at one end and to a lifting means at the other end, a cross frame carried by said support bar, a jaw operating means controlled by said cross frame and connected to said jaws, guides extending from each jaw, weights slidably mounted on said guides and actuated by said operating means for selectively raising and lowering the jaws in a substantially horizontal position, stop means on said guides for limiting the movement of said weights, and means commonly secured to said jaws and support bar for effecting simultaneous closing movement of the jaws responsive to a predetermined placement of said weights on the guides.

2,494,011
CLOCK
Harold G. Stein, Milwaukee, Wis.
Application December 10, 1945, Serial No. 633,930
5 Claims. (Cl. 58—106)



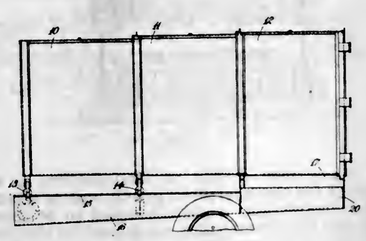
1. A clock mechanism of the character described comprising in combination a face plate, an auxiliary plate, said plates disposed vertically in spaced relation to one another, a clock dial attached to the front of said face plate, a plurality of wheels of varied diameter, said wheels mounted on shafts journalled within said plates, one of said shafts provided with an indicator hand, an escape wheel, a cord, a weight, said weight actuating said escape wheel by means of said cord, a vertical shaft, an upper and lower bearing supported by said face plate, said bearings acting as journals for said vertical shaft, said vertical shaft provided with a horizontally disposed governor bar at its upper end, a pair of inwardly extending vanes attached to said vertical shaft in angular relation to one another for contact with said escape wheel, and belt members engaging the periphery of said wheels thereby creating synchronized action of said wheels and indicator hand in relation with said dial due to the gravity actuated travel of said weight.

2,494,012
FISHERMAN'S PLUG RETRIEVER
William H. Stricker, Sand Springs, Okla.
Application September 4, 1947, Serial No. 772,064
1 Claim. (Cl. 43—30)



A device for use with a fishing line having a fouled plug at one of its ends comprising a plug retriever including a retrieving line, a sinker secured to said retrieving line, a chain supported intermediate its ends upon said sinker, and a safety pin guide linked to said sinker and adapted to slidably and detachably engage the fishing line whereby when the retriever line is moved from side to side about the fishing line, said chain will enmesh an unfouled hook on the fouled plug to release the same.

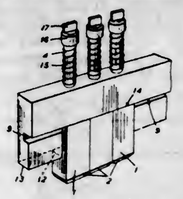
2,494,013
TELESCOPIC VEHICLE BODY
Ernest Thomas James Tapp, Hampshire, England, assignor to Walker and County Cars Limited, London, England, a British company
Application May 17, 1948, Serial No. 27,557
In Great Britain April 19, 1948
11 Claims. (Cl. 214—83.24)



1. A vehicle having a telescopic body comprising three body sections adapted to nest within one another, one of which is fixed to the chassis, a mounting for the others constraining them to move along the chassis, two hydraulic ram systems, one comprising two cylinders and plungers having hollow thrust rods, which hollow rods communicate with the cylinder space on one side of the plunger in one ram system and on the opposite side of the plunger in the other system, and the corresponding ends of which cylinders are interconnected, and which other ram system comprises a single cylinder and plunger, which three cylinders of the two systems are so connected as to move together, means connecting the plungers of the first system to the chassis and means connecting the plunger of the second system to that body section which is to be moved furthest, and valve control means adapted to connect the two hollow thrust rods to high and low pressure sides of a hydraulic pressure system or vice versa and also adapted to connect opposite ends of the cylinder of the second system alternatively to said high and low pressure sides.

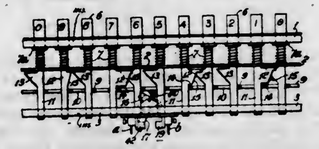
2,494,014
PRINTING ELEMENT FOR TYPEWRITER PRINTING MACHINES
Arthur Thomas, Wallington, England, assignor to Powers-Samas Accounting Machines Limited, a British company
Application March 16, 1944, Serial No. 526,743
In Great Britain March 27, 1943
8 Claims. (Cl. 101—109)

1. In a type carrier, in combination, a bar having guide bores extending therethrough and spaced longitudinally thereof, said bar being reduced in thickness in a portion of its width to provide a slide seat, the sides of the bores opening into said seat, contiguously mounted type elements each presenting a block and a guide shank, the block having a portion reduced in thickness complementally to the reduced portion



of said bar and engaging the said seat thereof for sliding movement when the shank is in a bore.

2,494,015
PERMUTATION ELECTRIC SWITCH
William Leonard Tate, Liverpool, and Arthur Aloysius Oakes, Nottingham, England
Application November 26, 1947, Serial No. 788,246
In Great Britain March 20, 1946
9 Claims. (Cl. 200—43)

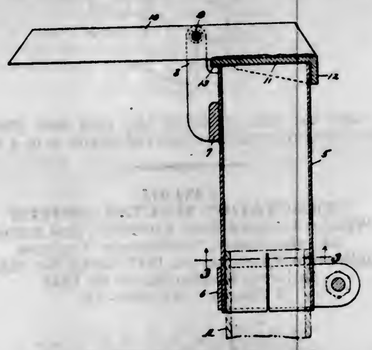


5. A permutation switch for controlling an electric circuit, comprising a turnable switch-actuating disc having a circular series of slots therein, a plurality of push-button operated rods each slidably traversing one of said slots and thereby limiting movement in both directions of the disc, switch means operable to close the electric circuit by said disc turning to the one operative limit of its movement and to open the circuit by the disc returning towards its opposite, inoperative limit, a selected plurality of the rods having each one of a series of progressively larger wedge-shaped fins extending towards said operative limit and engageable in the slots to effect successively greater step-wise displacements of the disc to said operative limit, and the remainder of the rods having each a wedge-shaped fin extending towards said inoperative limit and engageable in one of the slots to effect displacement of the disc to said inoperative limit.

2,494,016
EXHAUST PIPE END COVER
Charles Ralph Taylor, Scott City, Kans.
Application March 29, 1945, Serial No. 585,433
3 Claims. (Cl. 98—59)

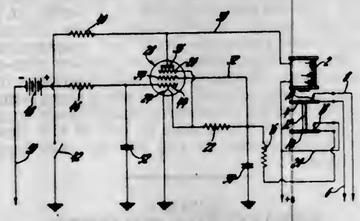
1. An automatic protective cover assembly for the discharge end of the upstanding exhaust pipe of an internal combustion engine, and comprising a cover member for closing the open end of the exhaust pipe, bracket means adapted to be secured to the exhaust pipe and including an upstanding portion disposed above said cover member in closed position and close to a vertical projection of the adjacent peripheral surface of the exhaust pipe, an arm of relatively thin cross section having major and minor transverse axes and secured to said cover member with the major axis disposed vertically with respect to said cover member and with a portion of said arm extending laterally of the cover member to form a balance arm therefor, and a pivot hingedly con-

necting the arm to the upstanding portion on said bracket means, said pivot being located intermediate the ends of said arm and adjacent the upper edge thereof at a position wherein said arm only partially counterbalances said cover member whereby to facilitate opening of the cover member under the influence of exhaust gases in



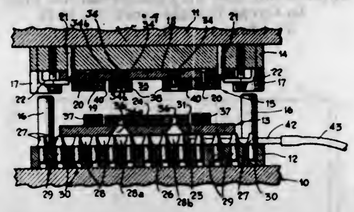
the exhaust pipe, and wherein the lower edge of said arm can abut against said bracket means whereby to prevent movement of the cover member beyond a vertical plane through said pivot to thus assure automatic closing of the cover member when no gases are emitted from the exhaust pipe.

2,494,017
ELECTRONICALLY CONTROLLED TUNING MEANS
Andrew G. Tynan and James H. Guyton, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 22, 1949, Serial No. 89,132
7 Claims. (Cl. 250—40)



1. In high frequency signalling apparatus having power actuated tuning means to repetitively scan the frequency band of the apparatus and stop or index due to an incoming signal, means for controlling the power actuated tuner including relay switching means connected to and controlling the power actuated means, a multi-electrode tube having input and output circuits, the output circuit being connected to the relay, a source of power being connected in series with the relay and the output circuit of the tube so that when the latter conducts the relay will be energized to close the circuit to the power actuated tuning means, a control electrode in said input circuit to said tube, conductive means upon which a voltage is developed which is proportional to the strength of the incoming signal connected to the control electrode to control conductive periods of said tube and therefore energizing periods of the relay and electrical storage means connected to the output circuit of the tube to furnish energizing power to the relay for a short predetermined time after tube deenergization by the incoming signal to provide delay after the tube has been biased to cut off.

2,494,018
BLANKING AND PIERCING DEVICE
Archibald M. Urquhart, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application January 8, 1944, Serial No. 517,600
8 Claims. (Cl. 164—118)

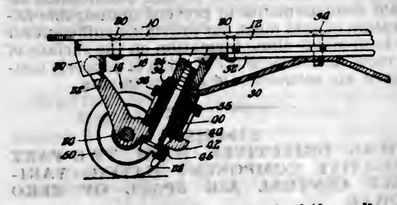


1. As a new article of manufacture, a slug handler for the apertured punch unit of a punch press, comprising: a plate adapted to be removably and interchangeably positioned on the upper face of the bed or the press and including a plurality of sockets arranged in mutually spaced relationship transversely and longitudinally of the plate, to define intercommunicating longitudinally and transversely extending channels between said sockets; each socket normally containing a peg having a cylindrical shank loosely mounted therein and a downwardly flared head defining with said shank a shoulder supporting said peg in said socket to provide a plurality of receptacles between groups of adjacent pegs; the outer ends of said heads being so surfaced as to frictionally engage the under surface of said punch member and position said apertures over any number and location of the channels between the pegs to enable discharge of slugs of varying sizes through said apertures into said receptacles and to provide a pathway for a slug-removing instrumentality between said pegs to said slugs in said receptacles; whereby to enable unimpeded discharge of slugs downwardly through said apertures thereby to continuously maintain said apertures clear of slugs, and, on operation of said slug-removing instrumentality, to clear the punch unit and press of said slugs.

2,494,019
ROLLER SKATE RESILIENT HANGER STRUCTURE
Robert R. Ware, Jr., Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Arizona
Application January 5, 1945, Serial No. 571,391
5 Claims. (Cl. 280—11.19)

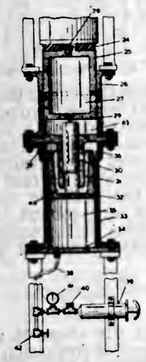
1. A roller skate construction comprising a body provided adjacent the end thereof with a socket bracket, roller carrying means including an arm having a ball mounted in said socket bracket, and a second bracket carrying a cushioning member interconnecting said body and said roller carrying means, said cushioning member comprising a fluted generally cylindrical member of resilient rubber-like material arranged to provide firm

resistance to axial compression and a predetermined degree of freedom to torsional and bending



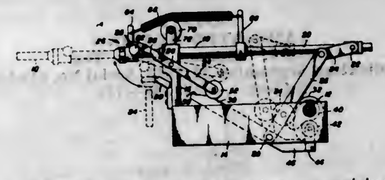
pressure to permit displacement of the roller carrying means from normal position.

2,494,020
DRILL MOTION SYNCHRONIZER AND SHOCK ABSORBER
George R. Watson, Waukegan, Ill., assignor to James E. Watson, Signal Mountain, Tenn.
Application June 10, 1947, Serial No. 753,753
4 Claims. (Cl. 255—16)



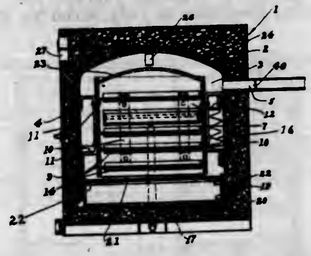
4. A device of the character described to be used in combination with an actuated well drilling unit, said device comprising in combination a crown sheave journaled within a housing, said housing slidably mounted within channels and supported by an upper piston, a resilient pad disposed between said piston and the sheave housing, said upper piston slidably engaging an upper cylinder, open at its upper and lower end, an intermediate cylinder open at its upper and lower end, a lower cylinder, all of said cylinders attached to one another and supported by said drilling unit, said lower cylinder provided with a closing plate at its open lower end, said intermediate cylinder extending downward into said lower cylinder, an intermediate piston slidably supported by said intermediate cylinder, a lower piston open at its top, said intermediate piston of a smaller diameter than said upper piston, an intermediate cylinder extending into the open end of said lower piston and having its outer diameter smaller than the inner diameter of said lower piston, said upper piston supported by liquid means within said cylinders, an air pump, said air pump providing means for supplying compressed air within said lower cylinder below said lower piston for supporting said intermediate and lower piston, and valve means controlling the air pressure within said lower cylinder between said closing plates and the bottom of said lower piston.

2,494,021
AUTOMATIC EXTRACTOR AND LOADER
William Weber, Fairview, N. J.
Application October 11, 1948, Serial No. 53,932
4 Claims. (Cl. 214—1)



1. Material handling apparatus comprising a fixed frame, a driven shaft journaled on said frame, a sleeve bearing, a reciprocating bar mounted in said bearing and extending from each end thereof, a lever pivoted on said frame adjacent said shaft, a first cam on said shaft to rock said lever, an inflexible link pivoted to said lever and to one end of said reciprocating bar, rocker arm means pivoted on said frame, a second cam circumferentially spaced from the first cam on said shaft to operate said rocker arm means, a head having spring biased material grasping jaws pivoted on the other end of said reciprocating bar, said rocker arm means engaging said head to pivot the head from a first position to a second position when said second cam engages said rocker arm means, jaw spreading means to open said jaws when the head is pivoted into a second position, and means to bias said head into said first position and to bias the reciprocating bar in one direction.

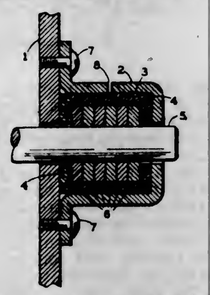
2,494,022
COOKING OVEN
Max M. Weintrob and Gene Gerety, Medford, Mass.; said Weintrob assignor to said Gerety
Application January 5, 1946, Serial No. 639,229
1 Claim. (Cl. 126—20)



A cooking oven comprising an insulated oven chamber communicating with the atmosphere, vertical baffle plates within said chamber and spaced from the side walls thereof, said baffle plates enclosing a cooking compartment in which the food is cooked and the adjacent baffle plates having their vertical edges spaced from each other, heating means situated between the baffle plates and the walls of the oven chamber for heating said chamber to a relatively high temperature, a crown sheet forming the roof of the cooking compartment, said crown sheet being spaced from the roof of said chamber and having its edges spaced from the baffle plates, an open well containing water located in the oven chamber below said cooking compartment and also below and spaced from the heating means, whereby the evaporation of the water in the well

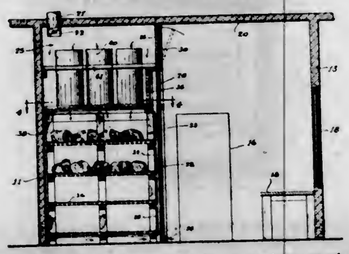
will be a surface evaporation a perforated vapor plate between said cooking compartment and said well, and means insulating the sides and bottom of said well.

2,494,023
LAMINATED BEARING
Floyd J. Williams, Dallas, Tex.
Application September 22, 1945, Serial No. 618,024
2 Claims. (Cl. 308—72)



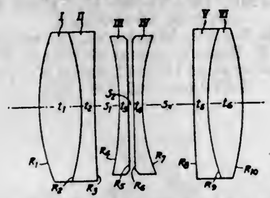
1. A self-aligning bearing comprising a housing embracing a shaft, a bushing surrounding said shaft in said housing consisting of a plurality of facially flush metallic rings of unbroken continuity and in juxtapositioned relationship, and a liner consisting of end washers of elastic, oil absorbing material and an intermediate cylindrical member of the same material, said washers and cylindrical member being adapted to yield to individual and collective lateral and radial displacement of said bushing ring in relation to said shaft.

2,494,024
METHOD AND APPARATUS FOR REFRIGERATING AND AGING MEAT
Beverly E. Williams, Chicago, Ill.
Application December 30, 1944, Serial No. 570,521
4 Claims. (Cl. 99—194)



1. An apparatus for treating meat comprising a meat aging chamber, a plurality of aging racks therein, detachable perforated screens surrounding individual racks and dividing said chamber into a plurality of compartments, means for discharging air to said chamber, means for discharging air from said chamber, and a plurality of cooling units disposed within said chamber for cooling and humidifying said air to a temperature of about 32° F. to 40° F. and a relative humidity of above about 90%, said cooling units being maintained above freezing and being so constructed and arranged in the proportion of about one square foot of surface cooling area for each cubic foot in said compartments so that the temperature differential between said cooling units and the meat is relatively small, said perforated screens being of sufficiently fine mesh to substantially retard the flow of said conditioned air in said compartments to prevent undesirable dehydration of said meat but providing sufficient air flow to preclude slime formation on the surface of said meat and to permit diffusion of properly conditioned air between said compartments.

2,494,025
OPTICAL OBJECTIVES WITH TWO-PART NEGATIVE COMPONENT HAVING VARIABLE CENTRAL AIR SPACE OF ZERO POWER
Fred E. Altman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 28, 1948, Serial No. 29,799
3 Claims. (Cl. 88—57)

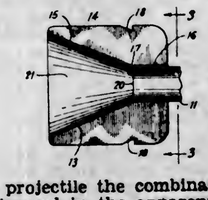


1. An optical objective comprising two negative components spaced between two positive doublets, each of the doublets having a positive element cemented to a negative element, the negative element of each doublet being nearer the negative components, the cemented surface of each doublet being convex to the negative components, the positive element of each doublet having an index of refraction at least .025 greater than that of the negative element cemented thereto and in which

$$\frac{(N_{II}-N_I)\Delta}{N_I N_{II} R_3}$$

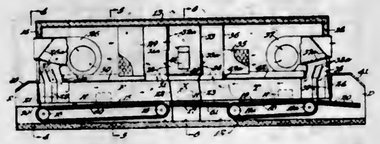
is between .006 and .016 where N_I and N_{II} are respectively the indices of refraction of the positive and negative elements of the front doublet, R_3 is the radius of curvature of the cemented surface of the front doublet and is negative, and Δ is the over-all axial length of the lens, the total axial thickness of the two negative components and the airspace between being between .021 F and .06 F where F is the focal length of the objective.

2,494,026
PROJECTILE
Nelson Anderson, Millburn, N. J.
Application March 28, 1945, Serial No. 585,343
2 Claims. (Cl. 102—50)



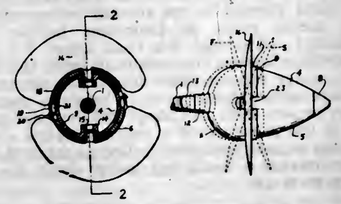
1. In a projectile the combination of a body portion disposed in the apparent slipstream of the projectile when in flight, a drag element on the rear part of the projectile having a cylindrical portion and a conical portion projecting from the cylindrical portion, and stabilizing fin elements secured to the drag element, each fin element including a portion formed into a part of a cylindrical surface and a part of a conical surface and a pair of integral fins projecting radially from both said surfaces.

2,494,027
MULTISTAGE METHOD AND APPARATUS FOR FREEZING COMESTIBLES
George A. M. Anderson, Owatonna, Minn., assignor to The King Company, Owatonna, Minn., a corporation of Minnesota
Application March 20, 1946, Serial No. 655,673
10 Claims. (Cl. 62—102)



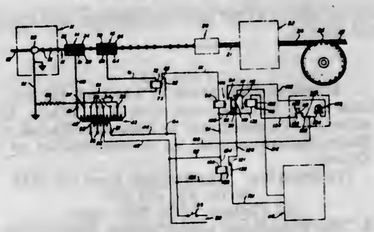
1. In freezing apparatus, an elongated tunnel having an entrance and a delivery, at least three sets of closures dividing said tunnel into a pair of adjacent conditioning chambers, means for maintaining said chambers at different freezing temperatures, conveying means in said tunnel for transporting articles from the receiving end to the delivery end thereof, means for normally maintaining said closure means in closed positions, said closure means in each instance being arranged to be momentarily opened by travel of articles into contact therewith, and an air chilling and recirculating system having a discharge of chilled air at the entrance of said tunnel directed inwardly of said tunnel and another discharge of chilled air at the delivery of said tunnel directed inwardly and means associated with said system for withdrawing the circulated air from zones in said tunnel at the inner ends of said adjacent conditioning chamber.

2,494,028
REVERSIBLE PROPELLER
Ross Earl Bell, Vancouver, British Columbia, Canada
Application June 29, 1946, Serial No. 680,442
In Canada April 13, 1946
2 Claims. (Cl. 170—160.47)



1. A reversible propeller comprising a hub body having a substantially semi-spherical forward and a substantially conical rearward shell member, one of said members being adapted for connection to a shaft and one of said shell members being provided with a sleeve to surround said shaft, said shell member being telescopically movable longitudinally with respect to the other shell member, a plurality of blades rockingly mounted in one of said members, each of said blades having an inner edge conforming substantially to the peripheral contour of the semi-spherical member, an arm extending from an edge of each blade, each arm having a crank pin, one of said shell members having a circumferential slot, said crank pins being adapted to ride in said slot and cause the blades to rock about their shanks in response to relative longitudinal movement between the members.

2,494,029
METHOD OF AND APPARATUS FOR TREATING AND TESTING CORES USED IN COAXIAL CABLE UNITS
Edward Bertalan, Glen Arm, and Edgar U. Rice, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1944, Serial No. 566,910
9 Claims. (Cl. 219—29)

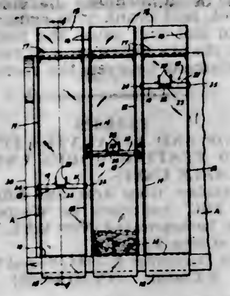


1. An apparatus for testing a continuously advancing core of a coaxial cable unit having insulating discs spacedly positioned along a filamentary central conductor, which comprises a plurality of electrodes spacedly positioned along the path of travel of the core and adapted to successively engage the peripheries of the discs as the core passes through the said electrodes, means for continuously applying an electrical potential across the central conductor of the core and at least the first of said electrodes having an intensity sufficient to cause a current to flow through and burn away defects providing paths of reduced dielectric strength between the electrode and the central conductor in the portion of the core advancing therethrough, and means for continuously applying an electrical potential across the remaining electrodes and the central conductor having an intensity sufficient to cause a current to flow across any defects in the portion of the core passing therethrough which were not burned away by the first mentioned electrode, whereby any defects encountered by the last mentioned electrodes may be detected.

2,494,030
REMOVABLE SORTING RACK
George A. Blondin, Maplewood, Mo.
Application February 17, 1945, Serial No. 578,521
3 Claims. (Cl. 211—11)

1. In combination with a card container having sides, a back, and a bottom and having an elongated slot in each of the sides thereof, said slots terminating at one end in an enlarged section, a clamping device comprising a rod having a diameter substantially equivalent to the width of each of said slots and extending therethrough, a head supported on each end of said rod and insertable in the enlarged section of one of the slots to position the head outside of said side, two rectangularly shaped blocks through which said rod extends, a compression spring surrounding said rod and situated between said blocks so as to act against an end of each block and urge its op-

posite end against a side of said container, and a handle supported on each of said blocks for



moving them along said rod against the forces of said spring.

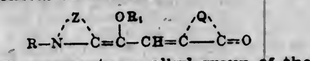
2,494,031

DIMETHINE MEROCYANINE DYES

Leslie G. S. Brooker and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 23, 1945, Serial No. 601,332
17 Claims. (Cl. 260—240)

1. The dimethine merocyanine dyes of the following general formula:



wherein R represents an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer, R_1 represents a member selected from the group consisting of alkyl groups, aryl groups of the benzene series and aryl groups of the naphthalene series, Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of those of the benzoxazole series, those of the benzothiazole series, those of the benzoselenazole series, those of the α-naphthoxazole series, those of the β-naphthoxazole series, those of the α-naphthothiazole series and those of the β-naphthothiazole series and Q represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of those of the rhodanine series and those of the 2-thio-2,4(3,5)-oxazoledione series.

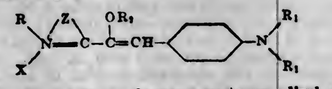
2,494,032

STYRYL DYES

Leslie G. S. Brooker and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 3, 1946, Serial No. 674,042
8 Claims. (Cl. 260—240)

1. The styryl dyes which are represented by the following general formula:



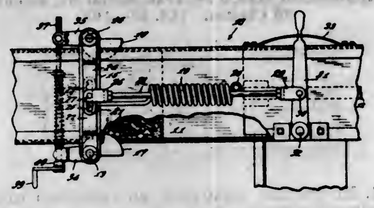
wherein R and R_1 each represents an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer, R_2 represents a member selected from the group consisting of aryl groups of the benzene series and aryl groups of the naphthalene series, X represents an anion and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of benzoxazole, benzothiazole, benzoselenazole, α-naphthoxazole, β-naphthoxazole, α-naphthothiazole and β-naphthothiazole nuclei.

2,494,033

AUTOMATIC BALER TENSION

Griffith L. Burkett, Martinsville, Ind.

Application October 10, 1945, Serial No. 621,484
15 Claims. (Cl. 100—23)



1. In a baler, an elongated baling chamber, rotary cam material-obstructing means at each of two opposite sides of said chamber, said obstructing means being movable in the direction of material movement through said chamber, means resiliently resisting such movement of said obstructing means, and means operatively associated with said obstructing means to oscillate the same to reduce the obstructive effect thereof as said obstructing means is moved in the direction of material movement.

2,494,034

PRODUCTION OF UNSATURATED HALIDES

George J. Carlson, El Cerrito, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 5, 1946, Serial No. 688,417
5 Claims. (Cl. 260—654)

5. A process which comprises (a) mixing a symmetrical bis(2-alkenyl) ether containing an even number of carbon atoms not less than 6 nor greater than 8 with an excess of a hydrogen halide selected from the class consisting of hydrogen chloride and hydrogen bromide, (b) reacting said ether in liquid phase with said hydrogen halide present in an amount corresponding to a molar ratio of hydrogen halide: bis-(2-alkenyl) ether not less than about 2:1 at a temperature within the range of from 15° C. to 40° C. under substantially anhydrous conditions at a superatmospheric pressure between about 30 lbs. per square inch and about 200 lbs. per square inch in the presence of a cuprous halide corresponding to said hydrogen halide as catalyst, and (c) recovering a 2-alkenyl halide from the resulting mixture.

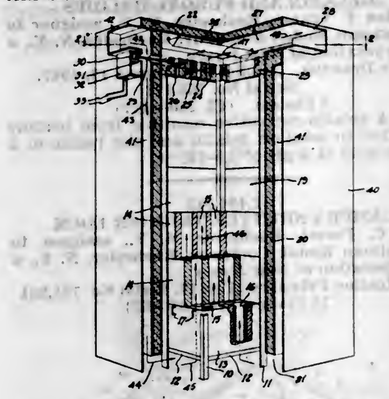
2,494,035

ELECTRIC FURNACE

Nixon O'Neil Christy, Portland, Oreg., assignor to Herman J. Maulbetsch, Portland, Oreg.

Application February 3, 1947, Serial No. 726,003
11 Claims. (Cl. 219—39)

8. In an electric furnace, an insulated heating chamber, a tier of heat storage blocks in said chamber having aligned vertical openings to promote hot air convection currents therethrough when the blocks are heated, and electrical heating means arranged in the openings of the bottom block of the tier to heat said bottom block



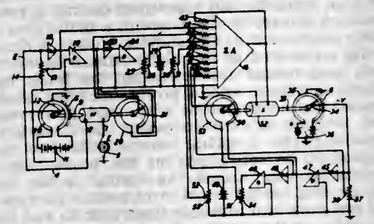
and also to directly heat air passing therethrough.

2,494,036

DIFFERENTIAL ANALYZER

Sidney Darlington, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 20, 1947, Serial No. 775,287
4 Claims. (Cl. 235—61)



1. A system of apparatus for solving a differential equation of the form

$$V=\frac{P_1}{P_2}E$$

where E is a given quantity, P_1 and P_2 are each a polynomial in the operator

$$p=\frac{d}{dt}$$

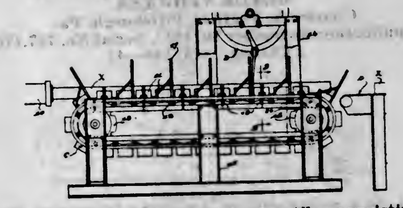
and V is the solution desired, comprising means for establishing a voltage e_1 proportional to E, controllable means for establishing a variable voltage e_2, a summing amplifier having an input and an output circuit, means including a plurality of differentiators for applying to the input circuit voltages individually proportional to the terms of the expression P_1e_1 together with voltages individually negatively proportional to the terms of the expression P_2e_2, whereby the voltage of the output circuit is proportional to $P_1e_1+P_2e_2$, and means for applying the output voltage to control the controllable means so to vary the voltage e_2 as to reduce the output voltage to the minimum value required to cause the controllable means to maintain e_2 negatively proportional to V.

2,494,037

TILE HANDLING AND CUTOFF MECHANISM

Earl Dear, New London, Ohio, assignor to The Hancock Brick & Tile Company, Findlay, Ohio, a corporation of Ohio

Application May 11, 1948, Serial No. 26,453
9 Claims. (Cl. 25—113)



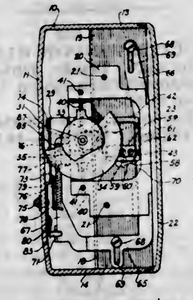
1. The method of forming clay tiles consisting in horizontally advancing two endless tubes in parallel side by side relation upon an endless carrier, applying pressure to each tube during advance to equalize the movement thereof, recurrently severing the tubes into predetermined sections, and applying pressure to the rear end portion of each section at the time of discharge from the carrier to cause same to maintain its horizontal position thereof.

2,494,038

CONTROL ARRANGEMENT FOR PHOTOGRAPHIC CAMERAS

Henry N. Fairbanks, West Hollywood, Calif., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 25, 1946, Serial No. 672,294
6 Claims. (Cl. 88—18.4)



1. In a photographic apparatus, the combination with a casing providing a magazine chamber and provided with an exposure aperture, a film magazine within said chamber provided with an exposure aperture and having a shutter movable to opened and closed positions with respect to said aperture, a film advancing means including a clutch member and a claw for entering the exposure aperture of said magazine and for moving the film therein, a shutter operating means on said casing and adapted to open and close the shutter in said magazine, an actuating means in said casing and movable to actuate said shutter operating means and for permitting said claw to enter into and to be retracted from said exposure aperture of said magazine, and a manually operable release means for disengaging and engaging said clutch member, of an operative connection actuated by said release means and operating said actuating means to open and close the magazine shutter and to permit said claw member to enter into and to be retracted from said exposure

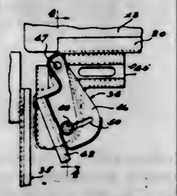
aperture each time that said release means is moved respectively to disengage and engage said clutch member.

2,494,039
FRICTIONAL INCREASING DEVICE OF MOTOR VEHICLES
Charles A. Feather, Pittsburgh, Pa.
Application November 20, 1947, Serial No. 787,176
2 Claims. (Cl. 188—4)



1. In a motor vehicle, a friction increasing device, comprising rubber cylinders having friction increasing treads on their periphery, rigging means including resilient levers mounting said members rotatably and for displacements substantially within the spaces bounded by vertical planes tangential to the sides of the tires of the wheels of said vehicle and positioning means for placing and holding said cylinders selectively in noneffective and effective positions, respectively, with suitable force in which effective positions said cylinders first contact the treads of the tires of said vehicle and afterwards the road upon which said vehicle travels, a rocker shaft oscillatably mounted on brackets rigidly fixed to the rear axle of said vehicle, said lever arms being rigidly fixed to said rocker shaft, a crank arm rigidly fixed to said rocker shaft, said positioning means include a link and a hand lever operatively connected to said crank lever.

2,494,040
VEHICLE WINDOW GUIDE
Burton S. Floraday, Toledo, Ohio, assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application December 4, 1944, Serial No. 566,553
3 Claims. (Cl. 296—44.5)

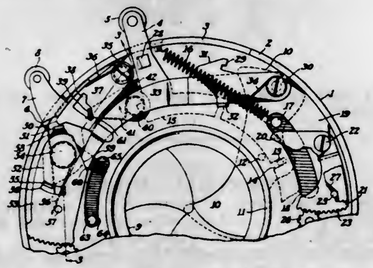


1. A guide device for a vehicle window panel adapted to be mounted in a window frame for up and down sliding movement into and out of a window well, said guide device including guide members adapted to be mounted on the bottom of the window panel for movement in planes transverse to the sliding movement of the window toward and away from upright guide rails within the well, one member constituting a pivotally mounted arm having an elongate rail engaging channel strip fixed thereto, means to limit the swinging movement of said pivoted arm to a predetermined position with its channel strip in up and down position suitable for engagement with the respective rail, the other guide member constituting a slidable element having an elongate rail engaging channel strip fixed thereto, and a mounting for said slidable element enabling same to be adjusted to and from its guide rail.

2,494,041
DERIVATIVES OBTAINED BY REACTING GELATIN AND FUROYL HALIDES
Gordon F. Frame, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 13, 1947, Serial No. 768,472
6 Claims. (Cl. 260—117)

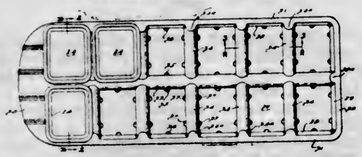
1. A gelatin derivative resulting from heating together in solution gelatin and the halide of a furoic acid at a pH of 8.5–12.

2,494,042
CAMERA SHUTTER TRIGGER LOCK
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 27, 1947, Serial No. 731,261
10 Claims. (Cl. 95—63)



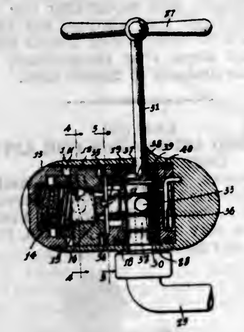
1. In a shutter trigger latch for shutters of the type including an apertured casing, pivotally mounted shutter blades therein, a blade ring operably connected to the shutter blades, a driving spring connected to the blade ring, a blade ring latch and means for releasing the latch comprising a trigger and a power-operated shutter release, the combination with said power-operated shutter release including two relatively-movable parts, a spring between the two parts adapted to be set, a pin on the blade ring for moving one part to set the spring as the blade ring driving spring is set, and means carried by said one part and movable therewith to and from the path of the trigger for holding the trigger against movement until the spring between the two parts of the power-operated shutter release is set.

2,494,043
ICE TRAY
Douglas L. Jocelyn, Detroit, Mich.
Application September 17, 1945, Serial No. 616,836
7 Claims. (Cl. 62—108.5)



1. A liquid freezing device, comprising a pan shaped tray frame formed with a continuous bottom and upwardly extending side walls, a plurality of liquid freezing receptacles and grid members formed integrally in said bottom and side walls forming spaces for the reception of said receptacles, said bottom having drain holes therein.

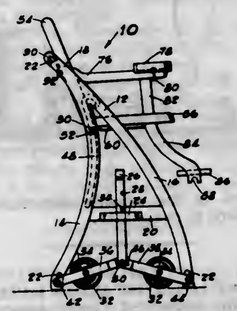
2,494,044
MIXING VALVE
George J. Jurisich and William M. Ferguson, Los Angeles, Calif.
Application May 21, 1946, Serial No. 671,367
8 Claims. (Cl. 236—12)



2. A mixing valve, comprising: a body having a mixing chamber therein, hot and cold water inlets and an outlet communicating with said mixing chamber, a rotatably mounted ported plug positioned within said mixing chamber, the ported plug having proportioning ports adapted upon rotation of the plug within the mixing chamber with relation to the hot and cold water inlets to proportion the amounts of hot and cold water admitted thereto; a rotatable ported rotor cage in said mixing chamber in coaxially disposed relation to said ported plug; a ported rotor transversely positioned within said rotor cage and controlling communication with said body outlet; means for rotating the rotor about an axis normal to the axis of said rotor cage to determine the volume of water permitted to pass from the mixing chamber through the body outlet; means operatively connecting the rotor cage with said ported plug, said rotor rotating means being arcuately movable about the axis of said rotor cage to cause like movement of said rotor cage and ported plug; and a thermostatic means positioned within the mixing chamber and positioned to engage said ported plug and shift said ported plug axially with relation to the hot and cold water inlets so as to maintain a substantially constant temperature of water within the mixing chamber at a particular setting of the ported plug therein.

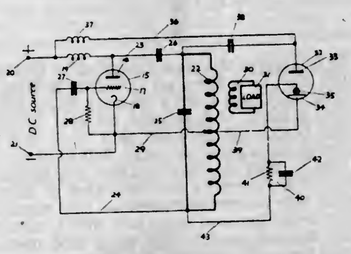
2,494,045
COMBINATION HIGH CHAIR
Howard B. Kauffman, Cuyahoga Falls, Ohio
Application March 18, 1946, Serial No. 655,113
4 Claims. (Cl. 155—38)

1. A device of the character described, comprising a chair usable in various positions, comprising two arcuate shaped substantially triangular side frames, wheel means adjustably mounted within said side frames, a back rest frame, a seat frame, means for securing said seat frame to said back rest frame, a transversely extending rod carried by said back rest frame for connecting said back rest frame to said side frames, and the rod on said back rest frame coacting with an elongated hooked-shaped slot in



each of said side frames whereby back rest frame may be moved into various positions.

2,494,046
OSCILLATOR CIRCUIT
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 19, 1946, Serial No. 642,402
8 Claims. (Cl. 250—36)

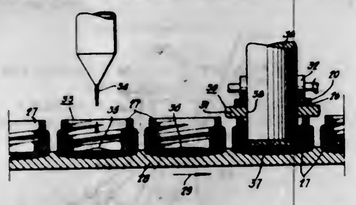


1. In an electrical circuit, a self-sustaining oscillator, a resonant output circuit including a coil having an intermediate tap connected as a part of said oscillator, an electrical space discharge device of the ignition type fed by said oscillator and having a cathode, an anode, and an igniting electrode, means connecting said anode to one end of said coil, means connecting said electrode to the opposite end of said coil through a phase-shifting circuit, and means connecting said cathode to said intermediate tap of said coil.

2,494,047
AFFIXING LINERS TO CAPS
John L. Lay, Ogden, Pa., assignor to A. H. Wirz, Inc., Chester, Pa., a corporation of Pennsylvania
Application March 9, 1948, Serial No. 13,923
6 Claims. (Cl. 154—89)

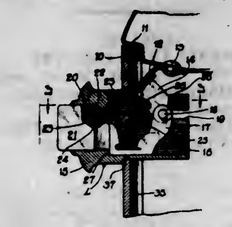
1. The process of affixing a liner to the inside of a hollow circular collapsible tube cap, which comprises applying an adhesive to one face of the liner, allowing the adhesive to dry, introducing into the cap a volatile solvent free from adhesive, introducing the liner into the cap directly

against the bottom of the cap with the adhesive face of the liner toward the cap and softening



the adhesive by the volatile solvent, and allowing the solvent to evaporate.

2,494,048
COMPARTMENT DOOR LATCH
Charles Ledin, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application March 29, 1944, Serial No. 528,561
3 Claims. (Cl. 292—227)



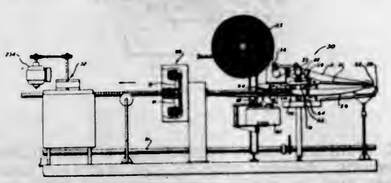
1. In a latch of the class described, a mounting member having a bore, an operator moving inwardly in said bore from a forward to an inward position, a latch bolt pivoted on said operator, a spring positioned between said latch bolt and operator so as to press the latch bolt in one direction into a limit position against the mounting member while pressing said operator in another direction into its forward position, said mounting member camming said latch bolt into a retracted position against said spring when said operator is moved inwardly against said spring.

2,494,049
METHODS OF PRODUCING FUMARIC ACID
David Levin, Philadelphia, Pa., assignor to Chemical Concentrates Corporation, Fort Washington, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1948, Serial No. 41,720
14 Claims. (Cl. 260—537)

1. The method of producing fumaric acid which comprises reacting, in an aqueous solution, 0.1 to 10 mols per liter of water present of maleic acid with 0.1 to 15 mols per liter of water present of free hydrohalogen acid selected from the class consisting of hydrochloric acid and hydrobromic acid in the presence of 0.1 mol per liter of water present to the solubility limit of a halide selected from the class consisting of alkali metal chlorides, alkali metal bromides, ammonium chloride and ammonium bromide and separating the resulting fumaric acid from the mixture.

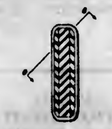
14. The method of producing fumaric acid from a liquor containing maleic acid which comprises partially neutralizing the waste liquor by the addition of a member selected from the class consisting of sodium carbonate, sodium bicarbonate and sodium hydroxide until the pH of said liquor is within the range of 3.5 to 3.7, cooling the mixture to below 25° C., separating the precipitated sodium acid maleate from the mixture, reacting in an aqueous medium about 4 mols per liter of water present of the separated sodium acid maleate with hydrochloric acid in the presence of about 4 mols of sodium chloride per liter of water present and separating the resulting fumaric acid from the mixture, the amount of hydrochloric acid being about 2 mols per liter of water present above that theoretically required to convert the maleate to maleic acid.

2,494,050
METHOD AND APPARATUS FOR APPLYING TAPES TO CABLES
Alton L. Loucks, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1946, Serial No. 671,835
20 Claims. (Cl. 57—7)



1. The method of applying tapes to cores, which comprises advancing a core along a predetermined path, advancing a tape with the core, pressing all of the tape except a portion adjacent to one edge of the tape against the core, applying cement to the other edge of the tape which is pressed against the core, and winding a filament around the tape in such a direction that the filament snugs the tape, folds the free edge of the tape over the cemented edge thereof, presses the free edge firmly against the cemented edge to seal the edges of the tape together and holds the tape upon the core.

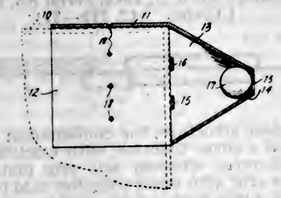
2,494,051
PROCESS FOR MAKING ELECTRICAL RESISTANCES
Robert G. McCoy and Walter W. Werring, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 30, 1945, Serial No. 632,049
3 Claims. (Cl. 201—63)



1. The method of manufacturing an electrical resistance, or resistance element of a potentiometer, which comprises the following steps in the following order: 1, coating a flat card-like structure with a semihard plastic material; 2, machining said card so coated to a precise contour with square edges having sharp corners; 3, winding a resistance wire under tension around said coated and machined card so as to form grooves in said plastic material at said edges to retain the turns against slippage.

2,494,052
INERTIA OPERATED DISCHARGE CONTROL MEANS
Philip H. McDermott, Tulsa, Okla.
Application June 7, 1946, Serial No. 675,024
7 Claims. (Cl. 222—500)

1. A dispensing device including, a rectangular cap adapted to engage one corner of a box, means for detachably securing the cap to the box, a spout formed on the cap and projecting laterally therefrom for conducting material from the



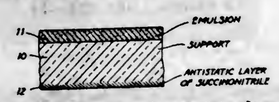
box, a ball disposed within the spout, and bars extending transversely of the inner portion of the spout between the cap and the interior of the spout for retaining the ball therein.

2,494,053
PHOTOLITHOGRAPHIC PRINTING MATERIALS
Charles Howard Mitson and Erich Eduard Loening, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 17, 1944, Serial No. 526,984
In Great Britain March 22, 1943
14 Claims. (Cl. 95—5.6)

7. A method of forming a design in a printing sheet of an ink-receptive material which comprises uniformly hydrolyzing a surface of said sheet to render said surface ink-repellent when wet; selectively removing areas of the surface that has been uniformly hydrolysed while protecting the remaining areas of said surface by means of a stencil of an image superposed on the hydrolyzed surface, and thereafter removing the stencil to expose the protected hydrolysed areas.

13. A printing member comprising, a sheet of a cellulose derivative, a hydrolysed surface on said sheet, said surface being ink-repellent when wet, portions of said surface corresponding to a design to be printed being removed to expose an underlying ink-receptive layer of said sheet.

2,494,054
ANTISTATIC PHOTOGRAPHIC FILM
Gale F. Nadeau and Walter R. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 6, 1948, Serial No. 19,188
5 Claims. (Cl. 95—9)

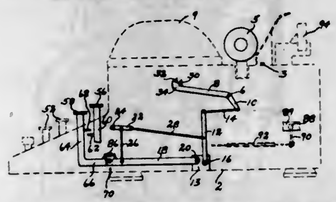


1. A light-sensitive photographic element comprising a cellulose ester film support carrying a silver halide emulsion layer and said element containing succinonitrile uniformly distributed in a layer thereof.

2,494,055
HARDENING OF PHOTOGRAPHIC SILVER HALIDE GELATIN EMULSIONS WITH NITRO ALCOHOLS
Bernard A. Orkin, Woodbury, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 10, 1946, Serial No. 715,351
4 Claims (Cl. 95—7)

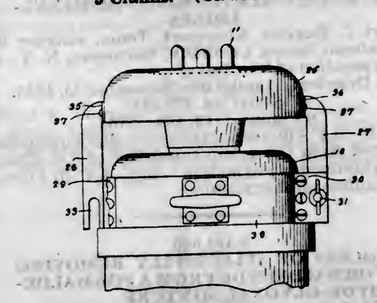
1. A photo-sensitive element containing a photographic gelatino silver-halide emulsion layer hardened by means of a primary aliphatic nitro alcohol of 3 to 6 carbon atoms, 2,4-dihydroxy benzaldehyde, and resorcinol.

2,494,056
TYPEWRITER LINE SCRIBING DEVICE
Frank Postma, Paterson, N. J.
Application July 23, 1947, Serial No. 762,952
14 Claims. (Cl. 197—113)



1. In combination with a typewriter having a carriage, a platen thereon, and a tabulator mechanism, a line scribing device comprising a line scribing instrument, an arm pivotally mounted on the typewriter carrying the line scribing instrument for presentation to the platen, means for swinging the arm to move the line scribing instrument into operative position confronting the platen, and means operative in response to further movement of the last named means after the line scribing instrument has reached such operative position to operate the tabulator mechanism.

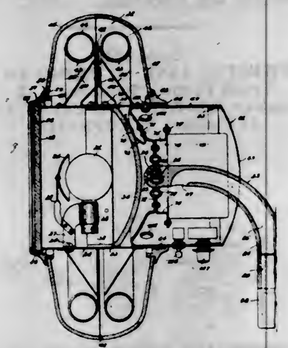
2,494,057
AIR DEFLECTOR
Buckley R. Reed, Newton, Mass.
Application July 13, 1948, Serial No. 38,357
5 Claims. (Cl. 250—27.5)



5. An oscillator tube comprising a plurality of filament seals, an annular bracket mounted on said tube, a plurality of clamps attached to said bracket, a vertically disposed arm projecting from each of said clamps, and an air deflector supported on the upper ends of said arms for deflecting air forced up through said tube onto said

filament seals, said air deflector comprising a lower cylindrical portion and an upper curved portion provided with an aperture therein for the egress therethrough of said air.

2,494,058
LIGHTING UNIT
Edward J. Ries, Brighton, and Clarence G. Maxson, Rochester, N. Y., assignors to Ritter Company, Inc., Rochester, N. Y., a corporation of New York
Application August 1, 1946, Serial No. 687,773
17 Claims. (Cl. 240—41.15)



1. A dental illumination unit for the purposes described comprising, in combination, a casing, a light source mounted in said casing, a parabolic reflector mounted in said casing and arranged to concentrate the light in such manner as to provide a spot of light adapted to illuminate the oral cavity, a heat ray filtering lens carried by the casing through which the reflected rays from said light source are projected, a shield between said lens and said light source for protecting the eyes of the patient against glare, and a second light source for general diffused room illumination supported by said casing externally thereof with the casing walls separating said light sources.

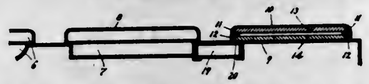
2,494,059
4,4'-DI-(SEC-ALKYLAMINO)-DIPHENYLAMINES
Albert C. Ruggles, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 15, 1945, Serial No. 628,958
6 Claims. (Cl. 260—576)

1. A 4,4'-di-(sec-alkylamino) diphenylamine selected from the group consisting of 4,4'-diisopropylaminodiphenylamine and 4,4'-di-(sec-butylamino) diphenylamine.

2,494,060
PROCESS OF SELECTIVELY REMOVING FORMALDEHYDE FROM A FORMALDEHYDE-GLYOXAL MIXTURE
Harold E. Schofield, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 9, 1948, Serial No. 59,104
3 Claims. (Cl. 260—601)

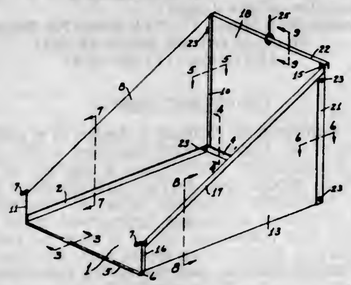
1. A process of selectively removing formaldehyde from a formaldehyde-glyoxal mixture which comprises adjusting the pH of said mixture between 0.75 and 1.5, adding β-naphthol thereto, heating the mixture until the formaldehyde reacts with the β-naphthol and separating the β-naphthol-formaldehyde reaction product from the solution.

2,494,061
STOVE
Rosalee Scoville, Los Angeles, Calif.
Application April 27, 1946, Serial No. 665,589
1 Claim. (Cl. 219—37)



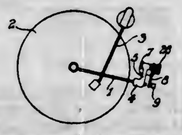
In a stove structure, the combination of a grid plate and a cover therefor, with electric heating means therefor, whereby said grid plate can be used as a grid with cover therefor, said cover and said grid plate both having slideways provided at their opposite inner sides to receive waffle irons, and waffle irons designed to slide into said slideways in said cover and said grid plate, respectively to be held and opened and closed as said cover is raised and lowered.

2,494,062
ATTACHMENT FOR LAWN MOWERS
Sayle Sherrow, Middleboro, Ind.
Application November 16, 1945, Serial No. 629,073
3 Claims. (Cl. 56—202)



1. In a grass catching device, a bottom member, a rod extending across the forward edge thereof with the ends of the rod being turned upwardly, side members, a hook formed at the forward edge of each of the side members and with each of the hooks being adapted to engage a respective end of the turned-up end of the rod, and a back member removably secured through the rearward edges of the side members.

2,494,063
TONE ARM CONTROL DEVICE
Reginald William Simon, London, England
Application June 4, 1947, Serial No. 752,361
In Great Britain January 17, 1946
4 Claims. (Cl. 274—1)

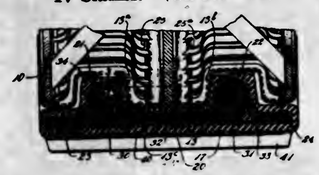


1. In a device for controlling the lowering movement of a phonograph tone arm into playing position and having the ability substantially to lower the tone arm needle for playing and thereafter permit the needle to be gradually moved into actual playing relationship with a record on the phonograph turntable, a frame structure, a horizontal spindle on said frame structure, an arm rotatably mounted at one end upon said spindle, an elongated rod member on the other end of said arm, said rod being adapted to extend substantially radially above the phonograph turntable in position to intersect the tone arm, when in its playing position, at a point intermediate its needle end and its pivotal axis, relatively coarse adjustment means engageable with said arm and adjustable to vary the angular position of the arm with respect to said horizontal spindle and hence the proximity of said rod to the phonograph turntable, and an eccentric means operatively associated with said arm and adapted to effect a precision lowering movement of said arm to remove the said rod gently from beneath the tone arm and thereby allow the needle to enter gradually into playing contact with the record, said eccentric means comprising an operating lever, an eccentric sleeve on said spindle, said arm being mounted upon said eccentric sleeve, and an operative connection between the sleeve and the said operating lever adapted in one direction of movement of the lever to impart movement to the said sleeve to shift the center of said spindle to an extent and in such manner as gradually lowers the rod on said arm from beneath the tone arm to allow the needle to engage a record.

2,494,064
THERMAL HYDROGENOLYSIS OF FLUOROCARBONS TO PRODUCE FLUOROCARBON HYDRIDES
Joseph H. Simons, Wilbur H. Pearlson, and William R. James, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application March 31, 1947, Serial No. 738,506
4 Claims. (Cl. 260—653)

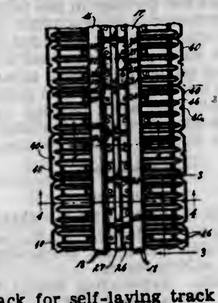
1. A method of making a fluorocarbon monohydride which comprises passing a gaseous mixture of hydrogen and a polycarbon fluorocarbon, having the formula C_nF_{2n+2}, through a heated tube maintained at a temperature of the order of 800–900° C., so as to effect hydrogenolysis and produce a reaction product having the formula $C_nF_{2n+1}H$.

2,494,065
BAND POWER TRANSMISSION
Charles O. Siemmons, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 29, 1944, Serial No 542,736
17 Claims. (Cl. 305—10)



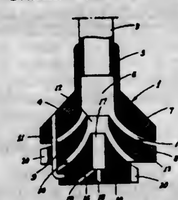
1. A band for power transmission comprising a flexible body of rubber-like material having at a wheel-contacting face a pair of laterally spaced-apart longitudinal ribs defining a valley flanked by generally radially disposed wheel-contacting surfaces for receiving a circumferential part of a wheel in close fitting engagement, said body having substantially flat marginal portions laterally beyond said longitudinal ribs, laterally spaced-apart substantially inextensible tension elements extending longitudinally of said band in the region of said longitudinal ribs, and means in said body interconnecting said elements and resisting lateral spreading of said elements, comprising laterally extending cords looped about said elements.

2,494,066
SELF-LAYING TRACK
Charles O. Siemmons, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 11, 1944, Serial No. 562,988
20 Claims. (Cl. 305—10)



8. A track for self-laying track type vehicles, said track comprising a plurality of separate parallel flexible bands constituting individual units each comprising longitudinally disposed tension elements embedded in rubber-like material, cross straps individual to a band extending laterally through the band and providing attaching ears at its sides, the attaching portions of the cross straps of one band being spaced laterally of the track from the attaching portion of an adjacent band, and means secured to the ears of adjacent bands for connecting them in laterally spaced-apart relation for separate removal and replacement, said connecting means comprising a driving and guiding member secured to ears of adjacent bands and bridging the space therebetween, and a relatively wide sheet metal tread shoe secured to ears at the outer margins of the bands and extending therebeyond.

2,494,067
OVERSHOT NOZZLE
Ward E. Snowden and Harvey F. Raynor, Modesto, Calif., assignors to Snowden Chemical Company, Modesto, Calif., a partnership
Application April 3, 1945, Serial No. 586,318
1 Claim. (Cl. 299—121)



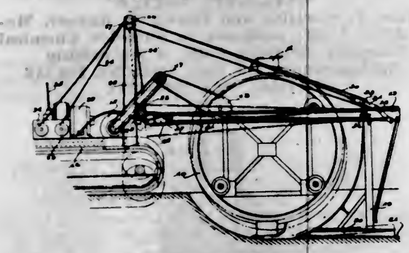
A fire fighting nozzle comprising a body having an axial passage therethrough, the forward

end portion of the passage flaring forwardly and outwardly to form a bell, an intermediate frusto-conical deflector projecting centrally into the bell in adjacent but spaced relation, the space between the bell and said intermediate deflector forming an annular forwardly and outwardly flaring port, said intermediate deflector having an axial passage therethrough which flares forwardly and outwardly at its forward end portion to form another bell, a frusto-conical end deflector projecting centrally into said other bell in adjacent but spaced relation, the space between said other bell and the end deflector forming another annular forwardly and outwardly flaring port, the end deflector having an axial passage therein from its inner end forwardly to a port short of its outer end, the apex of the intermediate deflector and the inner end of the axial passage therein being of reduced diameter relative to the axial passage in the body, the apex of the end deflector and the inner end of the axial passage therein being of reduced diameter relative to the axial passage in said intermediate deflector, there being jet passage means through the outer end portion of said end deflector communicating with the axial passage in said end deflector, and means connecting the body and said deflectors in rigid unitary relation.

2,494,068
PHOTOGRAPHIC RELIEF IMAGE
Robert P. Speck, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 3, 1946, Serial No. 674,037
3 Claims. (Cl. 95—5.6)

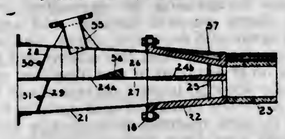
1. The method of forming a photographic relief image which comprises developing a gelatino-silver halide emulsion layer to form a silver image therein, bleaching the silver to silver bromide in a hydrogen peroxide-bromide bleach bath having a pH of approximately 2.6 to 3.0, without dissolving but with softening the gelatin in the region of the silver image, hardening said emulsion prior to said bleaching as a step in the process, washing off the gelatin softened by the bleach bath in warm water, to form a positive gelatino-silver halide relief image.

2,494,069
AUTOMATIC LEVELING DEVICE FOR TILE LAYING DITCHERS
Emil Steffen, Decatur, Ind.
Application April 30, 1945, Serial No. 591,185
13 Claims. (Cl. 37—94)



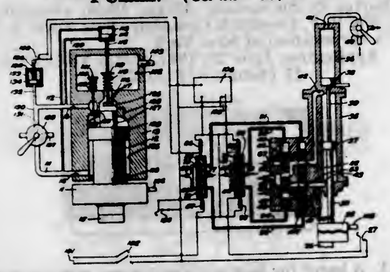
1. An earth moving machine suitable for digging trenches comprising a traction machine, a carrying frame connected to the rear of said traction machine for vertical sliding and swinging movement relative thereto, a rotatable wheel held within said carrying frame to which digging means are circumferentially attached, motor and coupling means for causing the rotation of said wheel, a motor and cable arrangement for raising or lowering the front portion of said frame, another cable arrangement in connection with said latter motor for raising or lowering the rear portion of said carrying frame, and level seeking switch operating means mounted on said carrying frame for causing the first mentioned motor and cable arrangements operatively to raise or lower the carrying frame to the desired angle in response to the movement of the carrying frame from said angle.

2,494,070
APPARATUS FOR BURNING PULVERIZED FUEL
William A. Thomas, Oakmont, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 10, 1945, Serial No. 615,312
6 Claims. (Cl. 110—104)



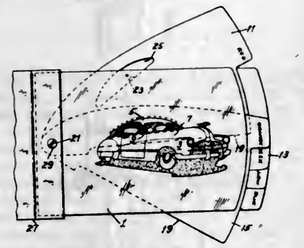
1. Apparatus for burning pulverized fuel comprising a nozzle of generally rectangular section, the sides of the nozzle diverging forwardly and the top and bottom converging forwardly, a horizontal partition intermediate the top and bottom providing an upper passage for fuel and air and a lower passage for secondary air, the sides of the upper passage being constricted intermediate the ends of the nozzle, the lower surface of the top of the nozzle being bowed downwardly transversely thereof, adjacent the discharge end, means for supplying air to said passages, said air having a greater pressure than the pressure at the outlet end of said nozzle, and a fuel inlet adjacent the constriction in the upper passage whereby fuel is aspirated by said air passing the constriction in said upper passage.

2,494,071
DIE-CASTING APPARATUS
Charles C. Veale, Wheaton, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 11, 1943, Serial No. 509,866
1 Claim. (Cl. 22—68)



An apparatus for injecting casting material into a mold having a cylinder and piston for closing the mold and a hydraulic cylinder and piston for injecting material into the mold, comprising hydraulic means for moving the molding piston to close the mold, means for locking the mold-closing piston at the end of the closing movement, a first two-position valve in the hydraulic lines to the injection cylinder and movable to its second position in response to the movement of said closing piston to actuate the injection piston to a ready position, a second two-position valve in the hydraulic lines leading to said first two-position valve and movable to its second position in response to the movement of the injection piston to its ready position to lock the injection piston in place, an auxiliary piston connected to the mold closing cylinder so that it is responsive to the building up of a hydraulic pressure on the mold-closing piston after closing of the mold, said auxiliary piston being connected to the operating mechanism of said first two-position valve to cause retraction of said first two-position valve to its first position, said retraction of the first two-position valve being effective to unlock the injection piston and initiate a rapid actuation of the injection piston, a time delay device operated by said auxiliary piston for causing retraction of said second two-position valve to its first position, said retraction of the second two-position valve being effective for restoring the injection piston to normal position, and a manually operated valve for unlocking and restoring the molding piston to normal position.

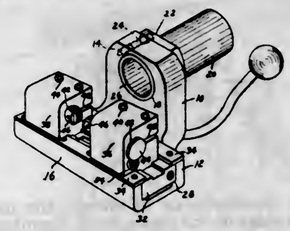
2,494,072
COLOR SELECTOR
Oran Vetterli, Albany, Calif.
Application February 14, 1949, Serial No. 76,360
7 Claims. (Cl. 35—53)



5. A color selector comprising a sheet of material having thereon a picture of an object, in which picture the colorable portions are transparent, said picture including a line of differentiation between portions of such object likely to receive different colorings; and a plurality of color sheets of different colors, each such color sheet having an edge coincidable with said line of differentiation when said sheet is swung about a point of swing relative to said picture sheet, and a cut-out of the general size and shape of one of said portions and having an edge coincidable with said line of differentiation when said sheet is swung about said same point of swing; and means pivotally securing said sheets at said point of swing.

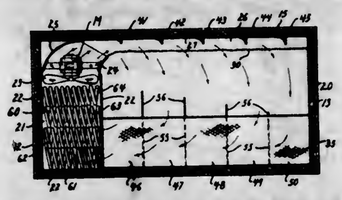
2,494,073
KNURLING TOOL HOLDER
Ernest L. Weaver, Jackson, Mich.
Application August 16, 1946, Serial No. 690,931
2 Claims. (Cl. 80—5.1)

1. A knurling tool holder comprising a mounting shank, a support, a transverse way defined in said support, tool carriages slidably supported in said way and adapted to move toward and from each other, said carriages having overlapping extensions upon the opposed ends thereof, slots formed in said extensions, a rock shaft extending transversely from said support and being disposed



in the grooves of said extensions, said rock shaft having eccentric portions engaging with the sides of said grooves to move said carriages relative to each other upon rocking said rock shaft, and knurling tools supported in said carriages.

2,494,074
BEVERAGE COOLING CABINET OF DRY AIR TYPE
Louis Weiss, St. Louis, Mo.
Application June 2, 1947, Serial No. 751,651
12 Claims. (Cl. 62—102)

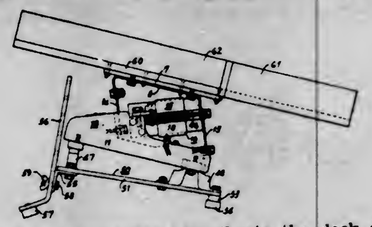


1. In a beverage cooling cabinet of dry, circulating air type, a box structure having a top angle opening, and closures providing, when open, for access to the interior of the box, an air supply duct in the uppermost portion of the box and back of said opening, a second duct substantially parallel to the first said duct, and located in the lowermost part of the box and adjacent the wall thereof opposite the first said duct, a cooling coil across which air is adapted to be passed in the course of circulation through the ducts and the interior of the box, a fan in the duct assembly for moving air therethrough and through the box, and partitions across the interior of box and in planes substantially at right angles to said ducts.

2,494,075
PAPER JOGGER
Carl S. Weyandt, Homer City, Pa.
Application March 18, 1946, Serial No. 655,258
3 Claims. (Cl. 271—89)

1. In a paper jogger the combination of a base, a rigid deck to support a stack of paper, fence means secured to the deck and having a paper stack engaging surface at right angles to the deck defining a corner, multiple spring means connected between the base and the deck to support the deck and said fence means for vibration in a manner such that the corner vibrates in a plane parallel to a plane angular to and intersecting the paper engaging surfaces of the deck and fence means, a vibratory motor having an armature member and an electromagnetic field member, and means to secure one of said

motor members relative to the deck and the other relative to the base and provide magnetic



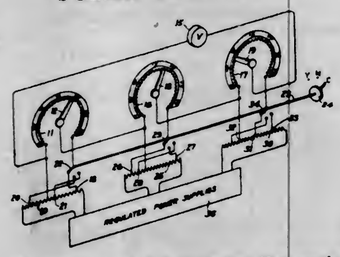
coupling therebetween to vibrate the deck and jog both sides of the paper stack simultaneously.

2,494,076

LINEAR COORDINATE TRANSFER COMPUTING METHOD AND DEVICE

Franklin C. Williams, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 25, 1946, Serial No. 686,171
2 Claims. (Cl. 235—61)



1. The method of determining the equivalent density of a dye in a composite three-dye subtractive image which comprises setting up three electric potentials corresponding respectively to the transmission characteristics of the three subtractive dyes, dividing each such potential by a factor representing the density of the composite image to light complemental in color to the respective dyes to provide electric potentials representative of the products of said transmission characteristic times the respective density factors, and measuring the algebraic sum of the potentials so provided.

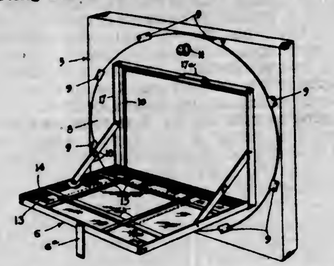
2,494,077

COMPOSITION-SELECTING FRAME

Charles E. Wilkinson, Montreal, Quebec, Canada

Application October 26, 1945, Serial No. 624,675
2 Claims. (Cl. 88—24)

1. In composition-selecting apparatus of the character described, a main supporting structure provided with a central opening and with a disk rotatably secured in place over said opening, said disk being itself provided with a central opening, a work holding frame comprising a centrally apertured frame member having one side hingedly secured to said disk adjacent the central opening of the disk, a transparent pane carried by said work holding frame and arranged over the opening in said frame to provide a flat supporting surface for a negative print, sketch, or other work, said work holding frame being also provided with a parallelogrammatic arrangement of work holding strips adapted to hold the work in place against said pane, said work holding frame being swingable from a covering position over the opening in said disk to an inoperative position clear of said opening, and composition-selecting strips carried by said main supporting structure, said composition-selecting



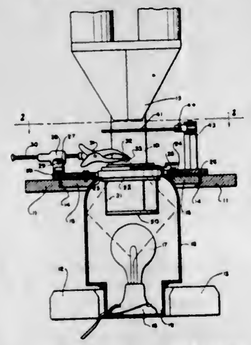
strips being independently movable over the composition of work carried by the work holding frame so that said strips may be positioned with their inner edges bordering a selected area of composition which may comprise any part of the total composition.

2,494,078

APPARATUS FOR EXAMINING GEMS AND CRYSTALS

Harry L. Woodruff, Washington, D. C.

Application April 26, 1948, Serial No. 23,317
3 Claims. (Cl. 88—14)



1. Apparatus for the examination of gems and crystals and adapted to be used with a microscope and removably supported on the stage of the microscope as a unit, comprising a lamp, a housing for said lamp, said housing having an opening at the top thereof, a plate having an opening therein substantially concentric with said housing opening, means for attaching said housing to said plate, said plate being of such size as to removably fit into the recess of the stage of the microscope so that said lamp housing is supported beneath the microscope stage and light is projected upward from said lamp through said openings, a rotatable ring supported by said plate, said rotatable ring being substantially concentric with said openings, a second ring removably and rotatably positioned in said openings, a light polarizing element positioned in said second ring to polarize the light transmitted out of said lamp housing by said lamp, an adjustable gem and crystal holder attached to said first mentioned rotatable ring for holding the gems and crystals

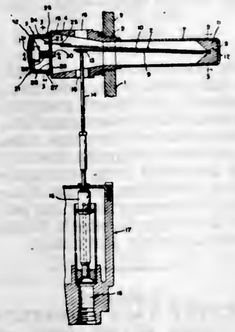
in different positions over said light polarizing element in the field of the optical system of the microscope, a second light polarizing element adapted to be positioned above said gem and crystal holder so that the gems and crystals may be supported and rotated between both of said light polarizing elements, and an arm pivoted to said plate for holding said second light polarizing element so that said second light polarizing element may be swung into position over the gems or crystals being examined.

2,494,079

THERMOSTATIC CONTROL DEVICE

Henry Andrews, Lansing, Mich., assignor to Platt Products Corporation, Lansing, Mich., a corporation of Michigan

Application January 26, 1948, Serial No. 4,355
5 Claims. (Cl. 236—101)



1. A thermostatic control device comprising a bi-metal bar, a fastener at one end of said bi-metal bar for engaging an operating rod, an adjusting bar secured to said bi-metal bar at the end of the latter remote from said fastener, a fulcrum mounting for said bars engaging the end of said adjusting bar adjacent the secured end of said bi-metal bar, a backplate having an elongated rectilinear opening and a cam plate beside said backplate and having a cam-shaped opening crossing said rectilinear opening, a finger on the end of said adjusting bar remote from said fulcrum mounting and extending into said openings and a rotatable knob mounted on said backplate and connected to said cam plate to rotate said cam plate relative to said backplate, and a hollow support housing said bi-metal bar, adjusting bar and fulcrum mounting and carrying said backplate, cam plate and knob.

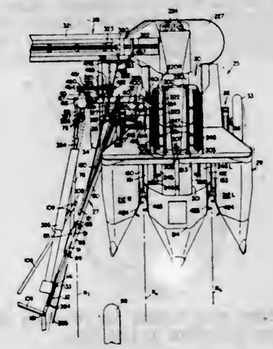
2,494,080

HITCHING ARRANGEMENT FOR HARVESTERS AND ALLIED EQUIPMENT

Norman F. Andrews, Moline, Ill., Russell L. Dort, Davenport, Iowa, and John Verger, Rock Island, Wilbur J. Coultas, Moline, and Stanley E. Hill, Glen Ellyn, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application November 20, 1944, Serial No. 564,292
19 Claims. (Cl. 56—18)

1. In a harvester including a rigid wheel-supported frame and harvesting means mounted thereon for gathering crops from the field, the combination of a pair of draft beams pivotally connected to said frame at laterally spaced points thereon for lateral swinging movement relative thereto, means for coupling the front end of one of said beams to a tractor, a connecting device slidable along said one beam, means pivotally connecting the front end of the other of said



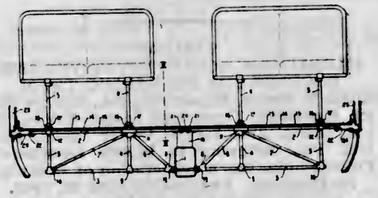
beams to said connecting device, and means for fixedly securing said connecting device to said one beam at selected points along the latter.

2,494,081

VEHICLE FOR PASSENGER TRANSPORT

Ludovicus Hendrikus Baghuis, Best, Netherlands

Application April 29, 1947, Serial No. 744,674
In the Netherlands May 17, 1946
7 Claims. (Cl. 296—28)



1. A vehicle for passenger transport of the type described, comprising a car body, a bottom forming part of said body, a central main beam, a series of spaced open work transverse trusses, attached to said main beam, said beam and said trusses forming part of said body and supporting the bottom thereof, and said open work transverse trusses having vertical members extending through the plane of said bottom and constituting legs of benches and posts of partitions.

2,494,082

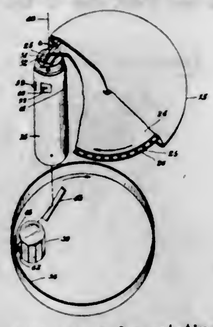
HIGH-SPEED CAMERA

Kenneth McClure Baird, Ottawa, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada

Application June 28, 1947, Serial No. 757,741
12 Claims. (Cl. 88—16.8)

1. A high speed camera comprising a drum adapted to hold film in cylindrical form, means for rotating the drum and film at a high speed, means including a stationary array of at least two adjacent apertures adapted to produce transversely of the direction of film rotation an array of exposures of the film, a shutter operable repeatedly to expose said apertures in succession as the drum is rotated to produce arrays of exposures in consecutive rows spaced in the direc-

tion of film rotation, a rotatable reflecting prism adapted to reflect light from the apertures to ex-



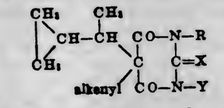
pose the film, and means for rotating the prism in the same direction as the film.

2,494,083
DISUBSTITUTED GLYCYL DERIVATIVES OF AMINO QUINOLINES
William F. Bruce, Upper Darby, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 17, 1945, Serial No. 588,885
1 Claim. (Cl. 260—287)

6-methoxy - 8 - alpha-ethyl-n-amyl-amino-acetamido)-quinoline.

2,494,084
BARBITURIC ACID DERIVATIVES AND PROCESS FOR PREPARING THEM
William F. Bruce, Havertown, Pa., George Mueller, Knoxville, Tenn., and Joseph Seifter, Willow Grove, and Joseph Lester Szabo, Drexel Hill, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 28, 1947, Serial No. 757,922
13 Claims. (Cl. 260—257)

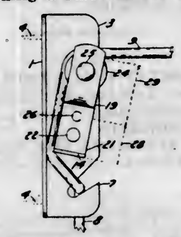
1. A barbituric compound represented by the general following formula



in which alkenyl in the formula represents an alkenyl radical having from 3 to 5 carbon atoms, where R is a member of the group consisting of hydrogen and an alkyl having 1 to 2 carbon atoms in the molecule, X is a member of the group consisting of O and S; and Y represents a member of the group consisting of hydrogen, an alkali metal, an alkaline earth metal, ammonium, alkyl-ammonium and dialkylammonium.

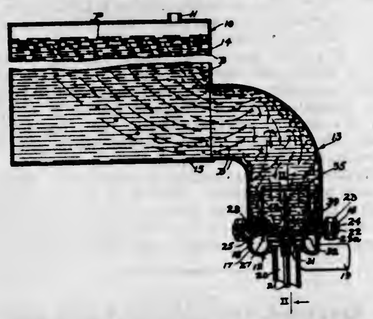
2,494,085
CLOTHESLINE TIGHTENER
Dana G. Chandler, Toledo, Ohio, assignor to Roger G. Clark, Sylvania, Ohio
Application August 4, 1947, Serial No. 765,897
1 Claim. (Cl. 24—133)

A clothes line tightener device comprising a Z-element and an L-element, means assembling the elements in abutting relation into a lever for one end portion of the Z-element adjacent the angle of the L-element inner side and the Z-element mid portion providing an offset from the L-element with the L-element end portion and the Z-element other end portion providing parallel arms for one end of the lever, a roller mounted to have its axis between the arms, and an L-bracket providing a mounting plate and an outward flange, said assembling means for the elements including a fulcrum for the lever thru



the abutting portions of the Z- and L-elements parallel to the roller axis, said flange having a notch tapering in its extent away from the fulcrum and toward the mounting plate, said L-element portion remote from the roller providing an end for the lever swingable toward the mounting plate by line draft from across the roller with the taut line extending to be drawn into the notch by said L-element lever end portion swinging toward the plate in pinch holding the line against the plate and in the notch.

2,494,086
PUMP ENTRY VANE CONSTRUCTION
Russell R. Curtis, Dayton, Ohio, assignor, by mesne assignments, to Thompson Products, Inc., a corporation of Ohio
Application November 29, 1943, Serial No. 512,263
4 Claims. (Cl. 222—383)



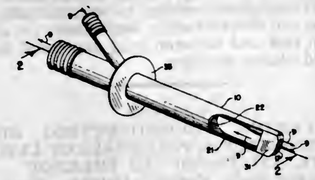
1. A filter and vane construction for a centrifugal type pump having a tapered inlet throat which comprises a cup-shaped metal screen, a mounting ring secured around the mouth of the screen for attaching the screen to the throat of a pump, and a vane in said cup-shaped screen dividing the screen axially and having a portion projecting beyond the mouth of the cup, said portion having tapered edge walls for lying closely adjacent the tapered inlet throat of the pump to provide an escape path along said tapered inlet throat of gas bubbles formed in the pump inlet.

3. In an assembly having a tank with an apertured wall and a booster pump mounted on said apertured wall having an outwardly flaring inlet throat in the aperture of the wall for receiving liquids from the tank, the improvements of an inverted screen cup overlying said throat and extending into the tank for an appreciable distance, and an upstanding baffle plate in said cup secured to the side wall thereof and having a tapered end portion depending from the cup into the throat in close proximity with the outwardly flaring mouth of the throat to provide opposed broad faces for breaking up whirling of fluid about to enter the pump while directing fluid in the cup axially into the pump.

2,494,087
PREPARATION OF CHLOROPRENE POLYMERS
George H. Daniels, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1948, Serial No. 16,630
3 Claims. (Cl. 260—92.3)

1. An improvement in the process for preparing polychloroprene by emulsion polymerization of chloroprene which contains from 0.01% to 0.2% of carbonyl compounds as impurities and wherein the polymerization is carried out in the presence of an alkyl mercaptan, which comprises carrying out the polymerization of the chloroprene in an aqueous alkaline emulsion having a pH of from 8.5 to 12.5 containing from 0.05% to 0.5%, based on the weight of the chloroprene, of a reducing agent selected from the group consisting of hydroxylamine, hydrazine, water-soluble sulfides, water-soluble hydrosulfites and water-soluble normal sulfites.

2,494,088
COLON IRRIGATING DEVICE
Nicholas M. Dulity, Los Angeles, Calif.
Application February 13, 1948, Serial No. 8,245
2 Claims. (Cl. 128—240)



1. A colon irrigating syringe comprising a main cylindrical tube adapted for insertion into the rectum with the forward end of said tube scalloped to provide two side openings in said tube; a rectangular manifold at the forward end of said tube contiguous to said openings, the larger cross sectional dimension of said rectangular manifold being substantially equal to the diameter of said cylindrical tube; and an inlet tube extending through said tube in communication with said manifold.

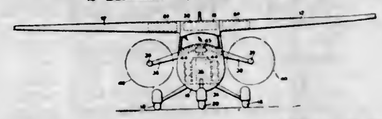
2,494,089
COMBINED TOOL
Joseph Paul Guignabert, Thiers, France
Application December 14, 1945, Serial No. 634,955
In France December 29, 1944
2 Claims. (Cl. 30—258)

2. A flat tool handle formed with a longitudinal slot perpendicular to the flat surfaces of said handle and extending from its rear end over a part of its length, a pivot pin mounted in said handle across said slot at a distince from the open rear end of said slot and parallel to said flat surfaces, an implement stem pivoted about said pivot pin and adapted for movement from an inoperative position wherein said stem is housed in said slot through an angle substantially 360°, said stem comprising a portion extending rear-



wardly beyond said pivot pin and provided with two diagonally opposed shearing edges, and two stationary shearing edges formed on said handle at diagonally opposed edges of said slot between said pivot pin and the rear end of the handle, and adapted to cooperate with said first mentioned shearing edges.

2,494,090
AIRCRAFT
Joseph M. Gwinn, Jr., San Diego, Calif.
Application September 18, 1944, Serial No. 554,627
2 Claims. (Cl. 244—13)

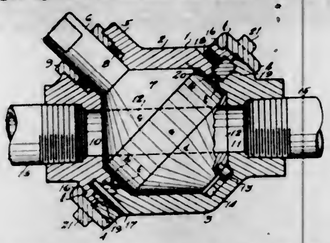


2. An airplane including a fuselage, a wing extending at opposite sides of said fuselage and having a hinged flap at the rear portion thereof, engine means mounted within said fuselage, an arm extending laterally from each of the two sides of said fuselage, a propeller mounted upon each of said arms and disposed longitudinally of the airplane so that the path of the propeller tips is closely adjacent to but clear of the corresponding flap hinges, power transmission means extending through said arms and connecting said engine means to said propellers, a passenger compartment within said fuselage and having an entranceway ahead of said propellers, a passenger seat adjacent the airplane center of gravity, a variable load compartment in substantially vertical alignment with the airplane center of gravity, and a landing wheel positioned aft of the airplane center of gravity and the passenger entranceway and ahead of and laterally in front of each of said propellers.

2,494,091
FLOW VALVE
J. M. Harris, Jr., Fort Worth, Tex.
Application September 22, 1944, Serial No. 555,319
5 Claims. (Cl. 251—91)

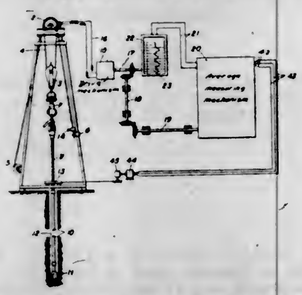
2. A valve for flow lines, and the like, having a sectional housing including sections detachably joined and having fluid passages therein with means for connecting flow lines thereto, a bi-

conical plug rotatably arranged in the said housing having a bore therethrough opening in each of its conical faces on opposite sides of the said plug and adapted to be aligned with the said passages upon the rotation of the said plug, means



comprising an adjusting ring disposed between the said sections and spacing screws cooperating with said ring for adjusting the said housing sections with relation to each other and the operating surfaces of the said plug.

2,494,092
APPARATUS FOR LOGGING WELLS IN TERMS OF DRILLING RATES
John T. Hayward, Solomons, Md.
Application August 29, 1944, Serial No. 551,695
5 Claims. (Cl. 346—39)



4. In the system of rotary drilling of a well employing a rotating drilling string having a drilling tool attached to the lower end thereof and a feed mechanism attached to the upper end thereof for advancing said drilling tool through earth formations by a plurality of intermittent advancing movements at varying rates, apparatus for logging the well in terms of the average drilling rate, comprising, a record-receiving means driven by said feed mechanism in synchronism with the progressive advance of said drilling tool, an averaging device having means responsive to said drill feeding movements and to the related rotational movements of said drilling string to thereby continuously produce an output corresponding to an average of the rates of said drill feeding movements over successive drilling intervals, and means for recording said output on said record-receiving means.

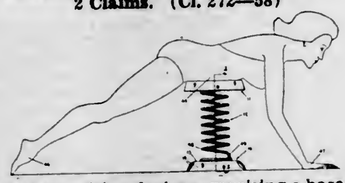
2,494,093
FISH LURE
Thomas Gardner Hill, Round Bay, Md.
Application March 29, 1948, Serial No. 17,660
1 Claim. (Cl. 43—42.48)

A fish lure comprising a body which is a cylinder terminating in two substantially plane surfaces of truncation at least one of which surfaces forms an angle of less than forty-five degrees with the axis of the cylinder and the distance between said surfaces measured along



the axis of the cylinder is less than the maximum transverse dimension of the cylinder, a hook secured to the lure body, and a means provided for the attachment of a line to the lure body.

2,494,094
EXERCISING STOOL
Walter G. Horstman, Des Moines, Iowa
Application June 19, 1946, Serial No. 677,739
2 Claims. (Cl. 272—58)



1. An exercising device comprising a base member, a body supporting member, an upright coil spring connected between said two members having an end coil arranged in a plane substantially normal to the axis of said spring, means for connecting said end coil with one of said two members including a clamp member having an annular curved portion adapted to receive one side of said end coil therein, with said one member having an annularly depressed portion adapted to receive the other side of said end coil, with said clamp member being positionable opposite said depressed portion to substantially close said end coil therebetween, and means for clamping said end coil between said depressed portion and said clamp member.

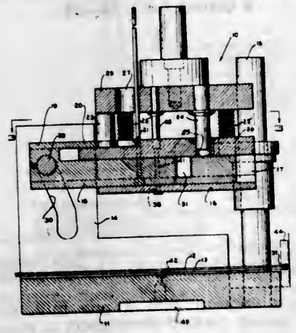
2,494,095
ACID-CURING THERMOSETTING RESIN COMPOSITIONS, PROCESSES OF CURING SAME, AND PRODUCTS THEREOF
Washington Hull, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 4, 1945, Serial No. 586,630
8 Claims. (Cl. 260—30.8)

3. A composition comprising a polymerizable, acid-curing, thermosetting resin selected from the group consisting of melamine-formaldehyde and urea-formaldehyde resins and 0.05-5% endomethylene tetrahydrophthalic anhydride based on the resin content.

2,494,096
APPARATUS FOR SECURING WORKPIECES TOGETHER
Homer G. Kellogg, Highland Park, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application April 15, 1946, Serial No. 662,339
6 Claims. (Cl. 1—1)

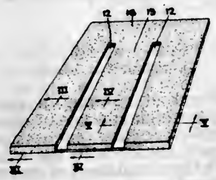
1. An assembly fixture comprising means for supporting parts to be joined together, a plate

movable in a direction toward the supporting means into engagement with one of said parts and having an elongated recess therein, said plate having an opening through the portion above the recess for receiving a length of pin stock and having aligned openings at opposite sides of the recess spaced from the first opening, a slide in said recess having an opening therethrough for receiving the lower end of the pin stock, means



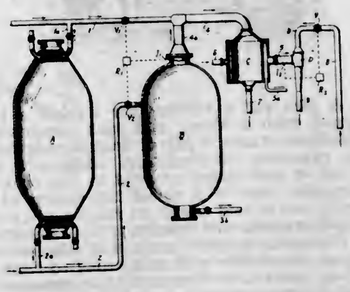
responsive to movement of the plate in said one direction to shift the slide in a direction to shear the end portion of the pin stock from the remainder thereof and position the sheared portion between the second mentioned openings in alignment with the latter, and means engageable with the sheared portion of the pin stock in the last named position of the slide to force the sheared portion through both said parts.

2,494,097
PICTURE FRAME
Peter B. Koller, Jr., Buffalo, N. Y.
Application July 23, 1945, Serial No. 606,514
2 Claims. (Cl. 40—152)



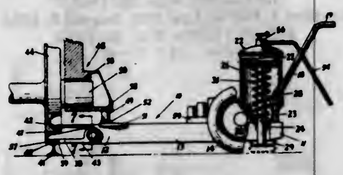
2. An easel type picture support comprising a unitary structure having a solid front panel and a superimposed rear panel, the latter having a pair of open slots cut therein and joined at one end to form spaced side members and an interposed prop member integrally connected at one end to the side members to hinge outwardly from the plane of the latter to serve as a prop, said side members being spaced from the prop member when the latter is folded thereagainst, and a covering overlying the rear panel and having marginal flaps thereabout folded over onto the front panel to unite the two panels together to form such unitary structure, said covering having a slit located centrally of each open slot and forming relatively narrower flaps folded through the spaces between the side members and the prop member and inturned between the two panels for covering the opposed edges of the three members.

2,494,098
AUTOMATICALLY CONTROLLED RECOVERY OF HEAT AND SO_2 GAS FROM RELIEF GASES AND WASTE LIQUOR
Carl Johan Lockman, Enebyberg, Sweden, assignor to American Heat Reclaiming Corporation, New York, N. Y.
Application June 22, 1943, Serial No. 491,850
In Sweden May 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 30, 1962
1 Claim. (Cl. 92—11)



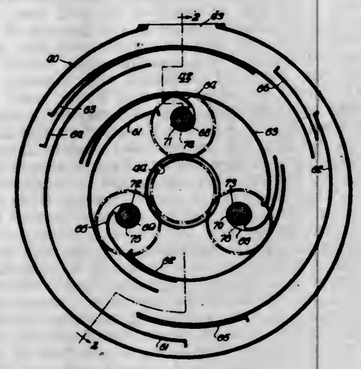
In the operation of a sulphite cellulose plant having a digester, an expansion chamber, a surface heat exchanger for extracting heat from and concentrating SO_2 vapors from products taken from the digester, a first valved connection from the vapor space of the digester to the heat exchanger, a second valved connection from the liquid space of the digester to the expansion chamber and a connection from the vapor space of the expansion chamber communicating through said first connection to said heat exchanger, that improvement in the process of recovering heat and SO_2 gas while relieving said digester at the end of a cooking cycle which includes the steps of relieving the digester by throttled flow of relief gas and liquid from the digester through said first and second connections, respectively, whereby to maintain the pressure in the digester higher than that in the expansion chamber and heat exchanger and thereby supply to the heat exchanger a mixture of gases comprising relief gases flowing from the vapor space of the digester and gases flashed due to pressure drop from the liquid flowing to the expansion chamber, and automatically maintaining the pressure of gases supplied to said heat exchanger at a substantially constant predetermined value by providing automatic means operable responsive to a drop in pressure of said mixture below said value to automatically reduce the degree of throttling of the flow of liquid and gas through said second and said first connections, respectively, in sequence in the order named, and thereby providing the additional supply of gas required to maintain the predetermined pressure primarily from additional liquid drawn from the digester and flashed in said expansion chamber, said automatic means also operating to increase the degree of throttling of the flow of gas and liquid through said first and second connections, respectively, in sequence in the order named responsive to an increase in pressure of said mixture above said predetermined value.

2,494,099
RAILWAY CAR JACK
August W. Mandelko and Melvin A. Mandelko, Fort Dodge, Iowa
Application November 22, 1948, Serial No. 61,492
5 Claims. (Cl. 254—33)



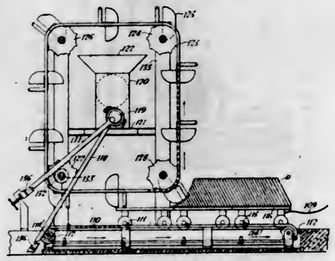
1. A jack for a railway car having a truck equipped with a wheel, said jack comprising a longitudinal frame, a pair of transversely spaced arms extended longitudinally outwardly from one end of said frame adapted to rest on a rail at opposite sides of a wheel, lift means at the opposite end of said frame for raising and lowering said opposite end relative to the one end of said frame, an upright projection adjacent said one end engageable with said truck to raise the same on upward movement of the opposite end of said frame, and means arranged on said frame between said arms and engageable with the wheel to hold the same against upward movement with the truck.

2,494,100
DISPLACEMENT MECHANISM
John Mikulasek, Bellevue, Iowa
Application March 27, 1944, Serial No. 528,304
3 Claims. (Cl. 230—146)



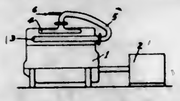
1. In a device of the class described, a casing having side walls, a plurality of spiral blades extending inwardly from one side wall, a disk adjacent the other side wall, spiral blades carried by said disk in operative relation with the first mentioned blades, the blades on said disk having bearing sleeves at their inner terminals, elongated eccentrics extending through said sleeves, shafts journalled in said casing and carrying said eccentrics and means for operating said shafts.

2,494,101
APPARATUS FOR CONDITIONING AND SUPPLYING CLAY TO POTTERY FORMING MACHINERY
William J. Miller, Pittsburgh, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Original application June 8, 1944, Serial No. 539,258. Divided and this application September 12, 1945, Serial No. 615,846
6 Claims. (Cl. 25—22)



1. In combination with a pug mill, movable carrying means formed to support a procession of filter cakes laid one against the other, a movable container for receiving material from the leading end of said procession, cutting means arranged to move with and ahead of said container to cut material from said procession, and means for elevating said container and tilting the same to discharge the contents thereof into the pug mill.

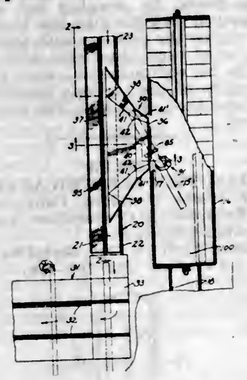
2,494,102
METHOD OF RUNNING-IN INTERNAL-COMBUSTION ENGINES
Pietro Mongitore, Turin, Italy, assignor to Fiat S. p. A., Turin, Italy
Application May 29, 1947, Serial No. 751,490
In Italy February 23, 1944
4 Claims. (Cl. 29—89.5)



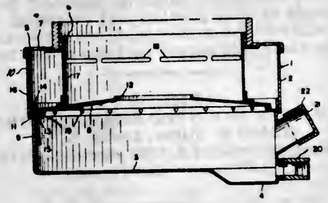
1. The method of running-in internal combustion engines which consists of driving the internal combustion engine, connecting the inlet manifold of said engine with the exhaust manifold to permit the circulation of an inert gaseous fluid in a closed cycle in the circuit so established.

2,494,103
UNLOADING DEVICE
Paul Penberthy, Glendale, Calif.
Application December 10, 1946, Serial No. 715,177
20 Claims. (Cl. 214—44)

1. An apparatus for handling relatively long, narrow objects, including: a movable conveyor adapted to transport said objects lengthwise in a rectilinear path; and an inclined ramp member having a longitudinal axis extending normal to the path of movement of said conveyor, said ramp member having stationary, rigid, inclined fulcrum means disposed laterally of the axis of said ramp member and adapted to receive and support the leading end of an object slid diagonally onto said ramp member and operative to resist downward sliding movement of said object along said ramp member so as to cause said object to turn on said ramp member and assume a position substantially parallel to the path of movement of said conveyor prior to its final sliding movement along said ramp member and onto said conveyor.



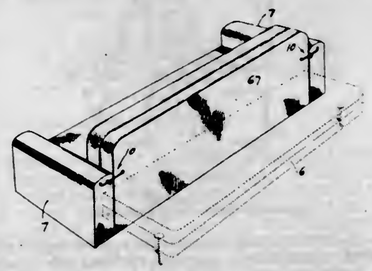
2,494,104
TRAY TYPE LIQUID FUEL BURNER
Howard I. Platt and Charles P. Thomas, Lansing, Mich., assignors to Platt Products Corporation, Lansing, Mich., a corporation of Michigan
Application February 6, 1946, Serial No. 645,910
3 Claims. (Cl. 158—91)



1. A burner for liquid fuel comprising a shell having a side wall and a bottom wall, a top wall for said shell having air inlet openings, a baffle spaced from said bottom and top walls and engaging said side wall, an annular wall cooperating with said side and top walls and said baffle to form an annular air chamber, said annular wall being formed with lateral openings intermediate its ends for the passage of secondary air from said chamber into the space encircled by said annular wall, said baffle being provided with a transverse wall having lateral openings providing for the passage of primary air from said chamber into the space below said baffle and also being provided with an outlet into and of smaller diameter than the space encircled by said annular wall, and means providing for the passage of liquid fuel into the space below said baffle.

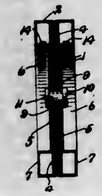
2,494,105
COMBINATION LEG AND CATCH FOR DAVENPORTS
Irvin C. Poskin, Los Angeles, Calif.
Application June 23, 1945, Serial No. 601,262
9 Claims. (Cl. 5—38)

4. In a davenport having a back swingable from a horizontal to an upstanding position and vice versa and an upstanding arm rest at each end of said back, a bearing member carried by an end portion of said back and having a socket directed into the back in relation to the rear surface thereof, a leg having a longitudinal slot through one of its end portions, a pin carried by said bearing member and having a working fit in said slot so that said leg is thereby rendered adjustable between two positions in one of which it can have its attached end portion projected axially into



said socket so that it is usable to support said back from the floor in a downswung position and in the other of which positions it overlies the adjacent end portion of the arm rest at that end of the structure, and latching means comprising two cooperating members, one carried by said leg and the other by said arm rest whereby said leg in the latter position is connected with the adjacent arm rest to prevent the down-swinging of the back.

2,494,106
LEADER REEL
William M. Rengo, Kaleva, Mich.
Application December 9, 1946, Serial No. 714,949
2 Claims. (Cl. 242—135)



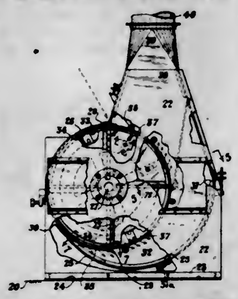
1. A structure of the class described comprising a cup-shaped member of sheet metal having a circular bottom and an outwardly extending continuous flange at its outer edges, said flange having an opening there-through, a reel member comprising an inner circular plate of sheet metal and a second plate of sheet metal having a central circular section of less diameter than the inner circular member of the reel lying thereagainst and permanently secured thereto, said second member at the peripheral edges of said central section having an outwardly extending annular flange terminating in a terminal flange located parallel to and spaced from said inner circular plate and overlapping the edge of the continuous flange of the cup member, said bottom of the cup-member and said plates having each a central opening therethrough, a headed interiorally threaded sleeve extended through the openings, and a headed screw threaded into said sleeve.

2,494,107

HAMMER MILL WITH AUXILIARY ROTOR FOR PROVIDING A MORE EFFECTIVE DISCHARGE OF MATERIAL

Lyman H. Ryan, Colorado Springs, Colo.

Application August 13, 1945, Serial No. 610,506
3 Claims. (Cl. 241—56)



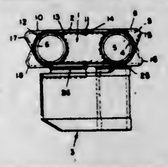
1. A hammermill comprising a housing having spaced substantially parallel vertical side plates, the housing being divided into a substantially circular grinding chamber and upwardly ranging downwardly tapering discharge chamber, the two chambers being separated by an arcuate partition forming the outer wall of the grinding chamber, the arcuate wall separating the two chambers being foraminated, a shaft mounted for rotation in the vertical side plates, at a point concentric with the grinding chamber, a rotor carried by the shaft within the grinding chamber, said rotor comprising two spaced plates, one of which is provided near its center with openings for the admission of material into the rotor, the other being imperforate, means for feeding material to the rotor, a plurality of groups of hammers positioned in angularly spaced relation adjacent the periphery of the rotor and pivotally connected with the rotor plates, the width of the rotor being less than the distance between the vertical side plates of the housing, the imperforate rotor plate having the side facing the adjacent vertical housing side plate, provided with a plurality of radial blades forming a fan, the last named vertical housing side plate having an opening for the admission of air to the fan, the foraminated wall separating the two chambers having a large opening communicating the fan chamber with the closed narrow lower end of the discharge chamber for removing material from near the closed lower end thereof.

2,494,108

METHOD OF MAKING TRACK SHOES

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Original application March 22, 1944, Serial No. 527,617. Divided and this application May 20, 1946, Serial No. 671,031
3 Claims. (Cl. 29—148.3)



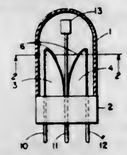
1. The method of making a vehicle track shoe comprising forming a bearing unit by arranging spacers between tubular bearing members and welding the spacers to the bearing members, forming a casing by pressing flat blanks into channel-shaped sections with like bosses in their bases, arranging the sections with their channels opening toward each other and with the bosses reversed to be complemental and uniting the adjacent edges of the sections together to form a casing, and then shrinking the casing on the bearing unit.

2,494,109

METALLIC FILM ELECTRICAL PICKUP

Charles M. Wolfe, Glendora, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware

Application April 29, 1949, Serial No. 90,289
8 Claims. (Cl. 201—48)



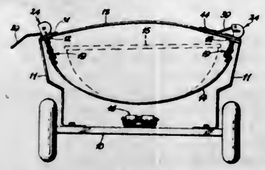
1. An accelerometer comprising a pair of posts of insulating material each having a face opposite to a face of the other, said opposite faces being placed close to each other at one position and curving away from each other from said position, each of said faces having a strip of electrical conducting material of appreciable resistance extending from said position and along the curved portions, a flexible reed having opposite sides of electrical conducting material and held between said faces at said position and extending freely from said position so that said reed is free to bend and lie along said curved portions of the faces.

2,494,110

TRAILER MOUNTED BOAT SUPPORT

Rudolf H. Stiller, Derby, N. Y.

Application October 8, 1947, Serial No. 778,644
2 Claims. (Cl. 214—65)



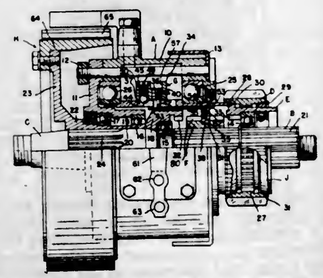
1. In a trailer including a pair of spaced uprights having support ends, a tie down bar arranged on said support ends, a load carrying sling suspended from said support ends, the combination therewith of means for raising and lowering one end of said sling relative to its companion one of said support ends, comprising a manually movable U-shaped cam member having two spaced parallel sides arranged above said companion one of said support ends, each of said sides having a cam surface engaging a flat upper surface provided on said tie down bar, an upwardly projecting guide rib on said tie down bar and arranged between said sides, each of said cam surfaces including a semi-circular portion terminating at one end in a chordant flat portion, a rod arranged in an opening provided in said companion one of said support ends and in a slot provided in said tie down bar and extending through said opening and slot and being substantially rectilinearly movable in a direction transverse of said support surface, said slot opening to one edge of said tie down bar, the lower end of said rod being connected to said one end of said sling, the other end of said rod being arranged between said sides of said cam member and being pivotally connected thereto at a point remote from said chordant flat portions and adjacent the other end of said semi-circular portions whereby said cam member is rotatable on said rod about an axis arranged eccentric to said semi-circular portions thereof, rotation of said cam member about said axis with said semi-circular portions engaging said flat surface on said tie down bar effecting such rectilinear movement of said rod and engagement of said flat portions with said flat surface tending to prevent movement of said cam member, and a compression spring surrounding said rod and operatively arranged between said rod and said companion one of said support ends to constantly urge said cam surfaces into engagement with said flat surface on said tie down bar.

2,494,111

POWER TAKE-OFF STRUCTURE

Robert W. Wagner, Chelsea, Mich.

Application October 19, 1944, Serial No. 559,348
4 Claims. (Cl. 74—15.88)



1. A power take-off unit having a propeller shaft provided with driving and driven sections, a power take-off sleeve concentric with said sections, means operable to connect either the sleeve or the driven section to the driving section, a nut on said sleeve, said nut and sleeve having opposed inclined portions, and a power take-off element on said sleeve between said opposed portions, said power take-off element being provided at the center thereof with a multiple splined connection with said sleeve and provided upon opposite sides of said splined connection with inclined portions engaging the inclined portions of said sleeve and nut.

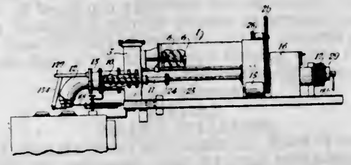
2,494,112

APPARATUS FOR MAKING MOLD CHARGES FROM PLASTIC CERAMIC MATERIALS

Albert J. Wahl, Pleasant Hills, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 12, 1945, Serial No. 577,444
4 Claims. (Cl. 25—22)

1. The combination with a pottery fabricating machine having means for moving a series of clay-shaping molds to and from clay-feeding and clay-forming stations at uniform intervals, of a pug mill having a discharge outlet, a laterally closed conduit extending from said discharge outlet to said feeding station and provided adjacent to the latter with a delivery orifice, a driven rotatable impeller in said pug mill for moving clay therefrom and through said conduit and extruding it in column form from said orifice, a movable cutter for removing from said column of clay a slice thereof in an amount sufficient to form a piece of potteryware without excessive waste, and means for stopping the rotation of said impeller and as a consequence thereof the extrusion of clay from said orifice, said means including as an element thereof an actuator disposed beyond the clay-cutting path of movement of said cutter and in the path of movement of the extruded clay and being responsive to the movement of the outer end of such clay, whereby the thickness of each slice of clay is determined by the spacing of said actuator from the clay-cutting path of movement of said cutter.

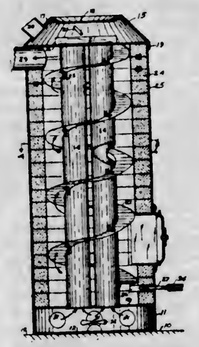


2,494,113

TUBULAR AIR HEATING FURNACE

Samuel R. Whitaker, Denver, Colo.

Application December 6, 1944, Serial No. 566,854
1 Claim. (Cl. 126—109)

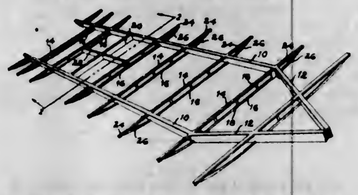


A furnace comprising an intake manifold having a bottom, and a top plate, a plurality of tubular members extending upwardly from the manifold with their lower ends in communication with the interior thereof, a discharge manifold, the upper ends of the tubular members being in communication with the interior of the discharge manifold, an enclosing wall supported on the top plate of the intake manifold, extending between the manifolds and enclosing the tubular members, the tubular members being separated from the inner surface of the wall forming a space, a helical deflector plate positioned in said space and encircling the tubular members, forming a helical passage extending from near the bottom to the top of the furnace a discharge flue for gases of combustion adjacent the top of the enclosing wall, and means near the bottom of the furnace for directing a flame tangentially into the helical space for movement upwardly towards the discharge flue.

2,494,114
STABILIZATION OF FATTY MATERIALS
Howard C. Black, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 20, 1945, Serial No. 606,269
3 Claims. (Cl. 260—398.5)

1. A method for stabilizing fatty materials against reversion and rancidity produced by oxidation comprising adding thereto a mixture of a small amount of nor dihydro guaiaretic acid, together with a small amount of citric acid and a small amount of lecithin.

2,494,115
METALLIC FRAME
August F. Bock and August M. Bock, Elkhart, Ind.
Application April 12, 1946, Serial No. 661,724
2 Claims. (Cl. 280—106)

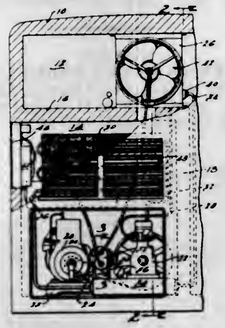


1. A frame structure for a chassis of a vehicle, said chassis including a pair of rolled full box form frame members, each of said frame members including a horizontal homogeneous top portion merging into a pair of vertically disposed side walls homogeneous throughout the side walls, the depth of the side walls being greater than the width of the top portion, the side walls merging into a pair of reentrant flanges abutting each other to form a longitudinal seam in the bottom of the rolled frame members, said flanges being welded together at spaced intervals, a plurality of members spanning the distance between the frame members for holding the frame members in fixed spaced relation from each other, said spanning members reenforcing the adjacent side walls of the frame members so as to prevent buckling thereof, each of said spanning members including a top portion and a bottom portion held in fixed spaced relation by spacer members so as to form a truss-like structure, extensions projecting outwardly from the box frame members and aligned with the spanning members, each of said extensions including a horizontally disposed top member and an inclined bottom member merging with the outer end of the top member to form a substantially triangular shaped structure, a transverse bar member having a cross section substantially identical to the cross section of the box frame members, said transverse member extending between the frame members and between two of the spanning members, and a longitudinally extending center bar connecting two of the spanning members and intersecting the transverse bar.

2,494,116
METHOD OF PRODUCNG ACRYLONITRILE
Erwin L. Carpenter, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 16, 1948, Serial No. 60,379
5 Claims. (Cl. 260—465.9)

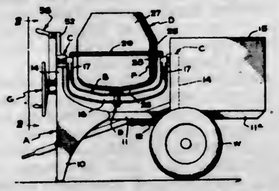
1. A method of producing acrylonitrile which includes feeding ethylene cyanohydrin in liquid phase to a dehydrating zone heated to a temperature within the range of from 160° C. to 240° C., said zone containing sodium formate as an ethylene cyanohydrin dehydration catalyst and an anti-foaming compound chosen from the group consisting of the monoalkyl and dialkyl ethers of the polyethylene and polypropylene glycols which are water-soluble and have boiling points greater than 200° C., removing acrylonitrile and water from said zone, and recovering the acrylonitrile.

2,494,117
REFRIGERATING MEANS, INCLUDING A PLURALITY OF FANS AND ADJUSTABLE MEANS FOR DRIVING THE SAME
Edward F. Dickieson, Jr., Detroit, Mich.; Nathalie L. Dickieson executrix of said Edward F. Dickieson, Jr., deceased
Application July 10, 1947, Serial No. 759,991
7 Claims. (Cl. 62—115)



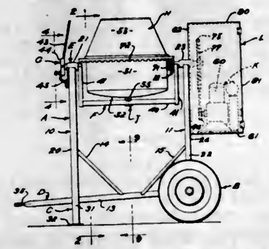
1. In refrigeration apparatus having an evaporator, a fan for circulating air over said evaporator, a condenser, a fan for circulating air over said condenser, a compressor for circulating refrigerant from the condenser to the evaporator, a power source, and endless belt means connecting said power source and said compressor, a fan drive and belt tightener structure comprising an adjustable case, drive and driven shafts carried by said case, gear means connecting said drive and driven shafts, a pulley on said drive shaft peripherally engaging said endless belt means to drive said drive shaft and adjustable with the case to vary the tension of said endless belt means, and flexible cables connecting said drive shafts to respective of said fans.

2,494,118
CONTROL FOR TILTABLE MIXING DRUMS
Bryant Essick, Los Angeles, Calif., assignor to Essick Manufacturing Company, Los Angeles, Calif., a corporation of California
Application September 30, 1946, Serial No. 700,274
6 Claims. (Cl. 259—176)



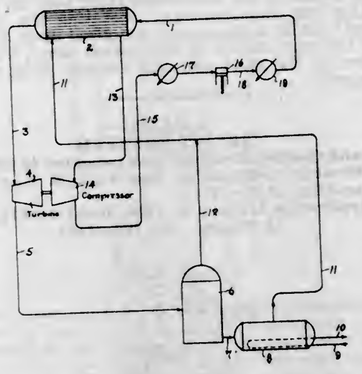
1. A mixer including, a frame, a yoke pivotally supported by the frame, a drum rotatably supported in the yoke, and a control for the yoke including, a handle, a gear element integral with the handle, a gear member integral with the yoke and meshed with the first mentioned gear member, and a lock member engageable with the teeth of one of said gear elements, the lock member being pivotally mounted on the frame.

2,494,119
PORTABLE POWER-DRIVEN MIXER
Bryant Essick, Los Angeles, Calif., assignor to Essick Manufacturing Company, Los Angeles, Calif., a corporation of California
Application March 17, 1947, Serial No. 735,118
1 Claim. (Cl. 259—177)



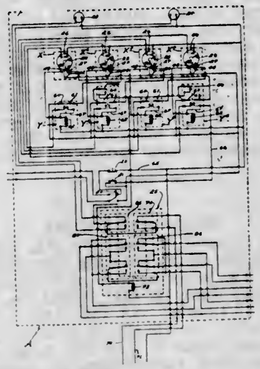
A machine of the character described including, a horizontal transverse spreader, ground engaging wheels on the ends of the spreader, a single straight vertical member located centrally of the machine forward of the transverse spreader and having a ground engaging base on its lower end and an opening through it above its lower end, a tubular longitudinal spreader having its rear end attached to the first mentioned spreader at the middle thereof and extending forward therefrom and through said opening, said longitudinal spreader being fixed to the said vertical member and having a tongue portion projecting forward therefrom a diagonal brace fixed to said member at a point spaced above the said opening and to the longitudinal spreader at a point spaced rearward from said member, legs extending upwardly and inwardly from the transverse spreader immediately inside the wheels and in a vertical plane transverse of the machine, the upper ends of the legs being joined together at the center of the machine, aligned bearings carried by the upper ends of the legs and the upper end of said member on an axis directly above and substantially parallel with the longitudinal spreader, braces fixed to the legs at points above the transverse spreader and extending forward, inward, and downward therefrom and fixed to the longitudinal spreader forward of the transverse spreader, a yoke with trunnions rotatable in said bearings, a mixing drum rotatably carried by the yoke on an axis normal to that of the bearings, latch means on the foremost trunnion of the yoke releasably holding the yoke against turning, a bracket engaging the legs at the upper portions thereof, means coupling said bracket to the legs for vertical adjustment relative to the legs, a box-like housing at the bracket and projecting rearwardly from the legs at the upper portions thereof, a prime mover fixed on the bracket and located in the housing, and a drive from the prime mover to the drum including, a shaft rotatably carried in the rearmost trunnion of the yoke, a drive pulley operated by the prime mover, a driven pulley on the rearmost trunnion, a belt operating over and between said pulleys, and a gear drive from said rearmost trunnion to the drum.

2,494,120
EXPANSION REFRIGERATION SYSTEM AND METHOD
Bernardo J. Ferro, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 23, 1947, Serial No. 775,708
13 Claims. (Cl. 62—115)



1. A method of refrigeration comprising compressing a gas to superatmospheric pressure, cooling the gas to about saturation temperature at that pressure, isentropically expanding said gas to liquefy a portion thereof, separating the liquid portion from the unliquefied gas, and passing the liquid portion in heat exchange relation with a warmer substance to be cooled.

2,494,121
TIMED ELECTRICAL SYSTEM
Loren O. Grainger, South Gate, Calif.
Application May 11, 1948, Serial No. 26,321
13 Claims. (Cl. 171—97)



9. A system controlling electric equipment including, an assembly of a plurality of timers connected to operate in succession and a plurality of stop and start circuits, each timer having a switch, an actuator for the switch, a variable stop stopping the actuator in the unactuated position, and a synchronous motor operating the

actuator, the switch closing a stop circuit when in an unactuated position for holding the motor in operation and closing a start circuit when actuated for initiating operation of the motor of the succeeding timer, and a plurality of switch mechanisms governing said equipment, one related to each timer and each including a motor switch controlling the motor of the succeeding timer, the stop switch in a holding circuit with the switch of the succeeding timer, and an operating coil simultaneously operating the motor and holding switches and energized upon closing of the start circuit of the related timer, the actions of the start and stop circuits being overlapped.

2,494,122

CIRCUIT BREAKER

Frank Gubing, Brooklyn, N. Y., assignor to Circuit Breakers Corporation, New York, N. Y., a corporation of New York

Application January 24, 1946, Serial No. 643,083
13 Claims. (Cl. 200—116)



1. In a circuit breaker of the type described, the combination including a housing having a fixed contact thereon, an oscillatable carrier in said housing having a contact thereon, spring means for urging the carrier to open circuit position in which said contacts are out of engagement, means for moving the carrier to closed circuit position and for projecting the contact thereon so as to engage the fixed contact and hold the carrier in closed circuit position, and means including a pair of latching members for moving the contact on the carrier with respect to said fixed contact, one of said latching members being heat responsive so that upon overload said carrier moves to open circuit position and the other of said latching members being pivotally and slidably mounted, and means for causing said other of said latching members to first slide and then pivot to first recede from and then progress towards the other latching member during closing movement of the device.

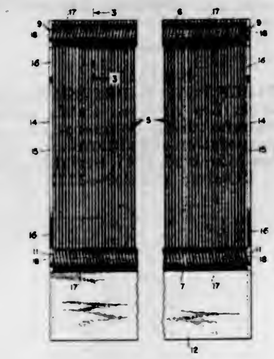
2,494,123

REED FOR LOOMS

Victor C. Hassold, Wyndmoor, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 12, 1947, Serial No. 754,163
4 Claims. (Cl. 139—192)

1. In a textile reed of the all metallic type comprising dents made of thin flat strips of metal spaced near their end portions by means of coil springs in which the dents are respectively positioned, the provision of end struts made of metallic strips relatively thin in the direction across the loom, said end struts having projecting portions on the rear sides thereof extending beyond the plane of the rear edges of the dents, and pins extending through apertures in the end portions of the dents adjacent the ends of the reed and having enlarged head portions for retaining said end struts in the structure, and the shank portion of said pins being secured to the end portions of the dents through which they extend.

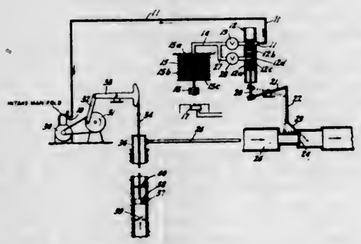


2,494,124

ALARM INITIATOR FOR PUMPING SYSTEMS

Louis Hegy, Glendale, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application September 30, 1946, Serial No. 700,341
4 Claims. (Cl. 177—311)



1. Apparatus of the type described comprising in combination: a flow pipe; flow responsive means responsive to fluid in said pipe to move into a first position during fluid flow and into a second position during no fluid flow; a reciprocal element reciprocal between spaced apart first and second positions; controlled means responsive to movement of said reciprocal element into said second position; and means controlled by said flow responsive means for moving said reciprocal element toward its second position at a controlled rate while said flow responsive means is in its second position and moving said reciprocal element toward its first position at a controlled rate while said flow responsive means is in its first position.

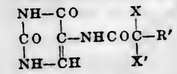
2,494,125

5-ACYLAMINO URACILS AND PROCESS OF MAKING THE SAME

George H. Hitchings, Tuckahoe, N. Y., and Randall L. Thompson, Richmond, Va., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York

No Drawing. Application August 28, 1946, Serial No. 693,574
4 Claims. (Cl. 260—260)

1. A 5-acylamino uracil of the formula



where X is a halogen selected from the group consisting of fluorine, chlorine and bromine, X′ is selected from the group consisting of X and hydrogen and R′ is a radical selected from the group consisting of hydrogen and the alkyl radicals containing from 1 to 4 carbon atoms.

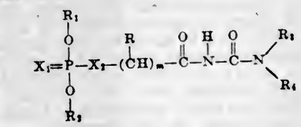
2,494,126

ORGANIC PHOSPHATE ESTERS AND METHODS OF PREPARATION

Erick I. Hoegberg, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 5, 1948, Serial No. 31,397
13 Claims. (Cl. 260—461)

1. Organic phosphate esters of the general formula



wherein X_1 and X_2 are members of the group consisting of sulfur and oxygen, R is a member of the group consisting of hydrogen and an alkyl radical, R_1 and R_2 are members of the group consisting of alkyl, aralkyl, and aryl radicals, R_3 and R_4 are members of the group consisting of hydrogen, alkyl, and aryl radicals, and m represents a small whole number.

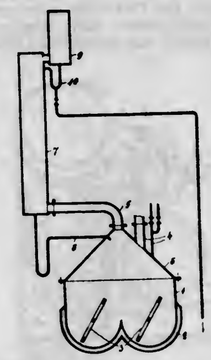
2,494,127

METHOD OF PRODUCING TOILET SOAP

John Karl Oskar Hubert Holmberg, Stockholm, Sweden

Application December 6, 1946, Serial No. 714,533
In Sweden December 19, 1945
5 Claims. (Cl. 260—417)

1. The method of producing a milleable soap directly with the saponification with alkali of fatty acid esters of such alcohols that have a lower boiling point than water under the saponification conditions employed, which method comprises saponifying such fatty acid esters with alkali in the presence of a liquid diluent for the soap and at a temperature at which the charge is from semi-liquid to liquid above the boiling point of the alcohol liberated from the esters and not in excess of about 125° C., said diluent being volatile under the saponifying conditions and having a boiling point over that of the alcohol liberated from the esters, distilling off the alcohol liberated from the esters, and continuously fractionating the vapors evolved during the saponification as they are evolved to rectify off the alcohol liberated from the starting ester and drawing it off separately while returning the diluent fraction as the reflux to the reaction mass, the diluent having been included in a quantity substantially equal to that desired in the soap produced and adjusted to that concentration so that after the removal of the liberated alcohol, the soap mass on cooling is directly milleable.



2,494,128

METHOD OF INCREASING THE AXIAL TENSILE STRENGTH OF THREADED JOINTS

John L. Holmquist, Aliquippa, Pa., and Paul W. Pheneger, Ypsilanti, Mich., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 14, 1945, Serial No. 628,430
2 Claims. (Cl. 29—148.2)



1. The method of increasing the axial tensile strength of a threaded well casing joint composed of interiorly and exteriorly threaded metal tubular members, which comprises upsetting a tubular member, rigidly confining one face of the upset to prevent radial flow of the metal at such face and, while said face is so confined and while the metal of such member is at a cold working temperature, causing the metal of the member to flow axially of the member by progressively cold reducing the wall thickness of the upset not less than 5% and not more than about 25% by rolling pressure applied to the other face of the upset, thereby increasing the axial tensile strength of the metal about double the percentage of said reduction in wall thickness, and thereafter threading said confined face of the thus reduced upset.

2,494,129

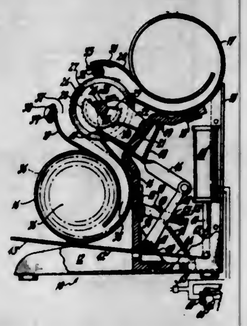
COPY HOLDER

Jesse A. Holton, Sr., West Hartford, Conn., assignor to Underwood Corporation, a corporation of Delaware

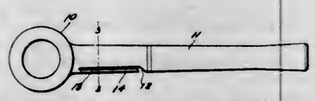
Application December 22, 1944, Serial No. 569,319
5 Claims. (Cl. 120—32)

1. A copy holder of the character described comprising in combination a containing mem-

ber having a longitudinal opening through which a length of copy sheet may be introduced into and withdrawn from the containing member, a receiving member having a longitudinal opening through which a length of copy sheet may be introduced into the receiving member, the openings of said containing and receiving members being spaced apart and in opposed relation, operable feed means positioned to be engaged at the said opening of the receiving member with a copy sheet whereby said feed means when operated draws the copy sheet from the containing member and directs and feeds the sheet into the receiving member through its said opening and means for operating said feed means step by step.



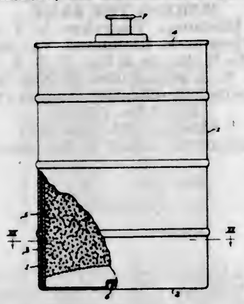
2,494,130
ARTICLE SECURING MEANS
Albert Israelson, Hartington, Nebr.
Application November 15, 1944, Serial No. 563,586
4 Claims. (Cl. 131—186)



1. An article of a size and character to be carried on the person, attached to the clothing, having a portion of substantial length, the said portion having a slot formed obliquely thereinto and then continued on a straight line through a part of the length of said portion to form from the material of the article an integral tongue having a straight inside face designed to co-act with the corresponding face of the adjacent part of the article body to frictionally engage over an edge of a part of the clothing, the outer side of the tongue lying flush with the adjacent surface of said portion of the article.

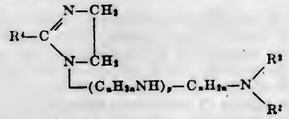
2,494,131
OXYGEN GENERATING CANISTER
Carey B. Jackson, Wilkinsburg, Horace C. Beahm, Evans City, and Alfred C. Van Andel, Harmony, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1944, Serial No. 565,392
4 Claims. (Cl. 23—281)

1. An oxygen-liberating canister comprising a metallic shell having an inner lining of sheet metal of high heat conductivity not combustible readily in pure oxygen, an alkali metal peroxide disposed therein, an inlet conduit positioned in one end of the shell, and an exhaust conduit positioned in the other end of said shell.



2,494,132
BENEFICIATION OF ACIDIC MINERALS
David W. Jayne, Old Greenwich, Harold M. Day, Stamford, and Elmer W. Gieseke, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 10, 1948, Serial No. 14,155
4 Claims. (Cl. 209—166)

1. In the beneficiation of ores containing acidic silicious minerals by floating a concentrate of the acidic silicious minerals therefrom, the improvement which comprises subjecting an aqueous pulp of the ore to agitation and aeration in the presence of at least about 0.2 lb. per ton of a collector and a relatively small amount of a non-selective frothing agent, said collector being selected from the group consisting of those compounds represented by the formula:

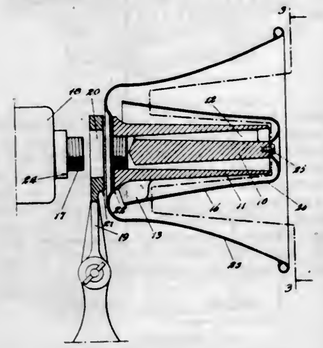


wherein n is a small whole number, y is zero or a small whole number, R^4 is a 7 to 31 carbon atom aliphatic radical, the residue of an 8 to 32 carbon atom aliphatic fatty acid, and R^2 and R^3 are each a member of the group consisting of hydrogen, the short chain alkyl and hydroxyalkyl radicals of one or two carbon atoms, and the alkyl radicals of 8 to 32 carbon atoms, one of R^2 and R^3 being hydrogen.

2,494,133
METHOD OF NEUTRALIZING AND COMPLETELY REMOVING SALTS BEFORE DISTILLING CRUDE HIGH-BOILING ESTERS
Albert W. Jefts, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application September 7, 1946, Serial No. 695,503
3 Claims. (Cl. 260—475)

1. In the preparation of high-boiling esters by direct esterification of a monohydric hydrocarbon alcohol and an acid and separation of the ester so obtained by distillation from the reaction mixture, the improvement which includes the steps of adding to the reaction mixture which comprises crude ester, acid esterification catalyst, alcohol and acidic impurities, a quantity of an aqueous solution of a weakly alkaline salt just sufficient to neutralize said acid esterification catalyst, distilling off low boilers, adding a further quantity of an aqueous solution of a weakly alkaline salt sufficient to completely neutralize said crude ester-containing reaction mixture, separating substantially all the salts so produced from the wet crude ester, completely drying the wet crude ester, and removing any salts still contained therein from the crude ester.

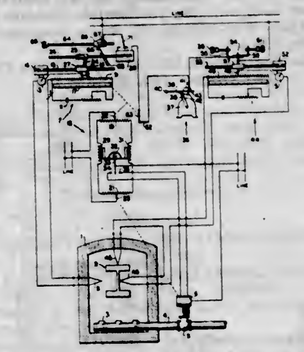
2,494,134
REENTRANT HORN ASSEMBLY
Sidney E. Levy, Brooklyn, N. Y., assignor to University Loudspeakers, Inc., New York, N. Y., a corporation of New York
Application May 2, 1946, Serial No. 666,586
2 Claims. (Cl. 181—27)



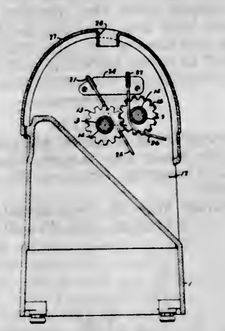
1. A doubly folded loudspeaker comprising a tone arm consisting of a generally cylindrical sleeve, a plug within said sleeve and integral therewith, a sound reflecting member encompassing said sleeve, said reflecting member being secured to said plug at one end thereof, said sleeve being threaded at its opposite end and receiving a driver unit, a bell member for reflecting sound from said reflector, said bell member having an open mouth at the end opposite said driver unit and an aperture in the end adjacent said driver unit, and a shoulder on said driver unit, said shoulder serving to secure said bell member rigidly between said sleeve and said driver unit.

2,494,135
CONTROL INSTRUMENT
John F. Malenshein, Parkville, Md., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 27, 1945, Serial No. 580,037
15 Claims. (Cl. 236—15)

1. In a temperature control device for controlling the temperature of a furnace in which objects of irregular shape are to be heated, a control instrument having adjustable control point adjusting means operative to control the temperature of said furnace at different values, means to change the control point adjusting means to vary the temperature at which said furnace is to be maintained, and means to stop the operation of said control point adjusting means when the temperature of said furnace varies a predetermined amount from the temperature called for by the position of said control point adjusting means.



2,494,136
MEAT TENDERIZING MACHINE
Charles O. Marshall, Jr., and Maynard C. Yeasting, Toledo, Ohio, assignors to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 4, 1944, Serial No. 557,091
2 Claims. (Cl. 17—26)



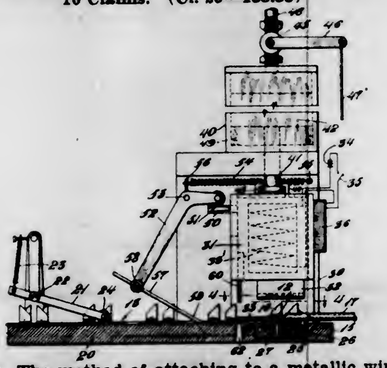
1. In a device for tenderizing meat, in combination, a pair of arbors each carrying a plurality of toothed meat tenderizing knives, a back comb having teeth interleaved with the knives of the back arbor and passing between the arbors for defining one side of a downwardly and forwardly directed passage between the arbors, a front comb having teeth interleaved with the knives of the front arbor for defining the other side of the passage, said arbors being arranged in generally parallel relation with the front arbor forward of and higher than the back arbor, said back comb having generally straight teeth arranged such that their closest approach to the front arbor occurs below a line through the centers of the arbors, said front comb having teeth the upper ends of which converge toward the back comb in the space above the arbors and the lower ends of which curve forward in the spaces between the knives of the front arbor below the line of centers of the arbors and leave such spaces at points forward of a vertical plane through the front arbor.

2,494,137

METHOD OF ATTACHING WIRE TERMINALS

Rene Martines, Cranston, R. I., assignor, by mesne assignments, to Electric Terminal Corporation, Providence, R. I., a corporation of Rhode Island

Application August 21, 1945, Serial No. 611,846
10 Claims. (Cl. 29—155.55)



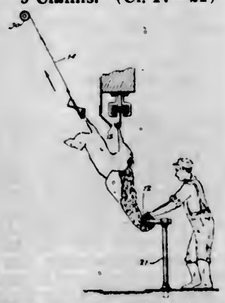
1. The method of attaching to a metallic wire having a bare end and an insulating covering adjacent said end and a metallic terminal having a body with arms extending from the body which comprises positioning the bare end and insulation within said arms, providing soft solder at the location of said bare end and bending said arms about said bare end and said insulation and simultaneously with the bending of said arms about said bare end applying heat as a function of degree and time to the bare end and arms bent thereabout to cause soldering and yet insufficient to cause scorching of the insulation.

2,494,138

SKINNING MACHINE AND METHOD

Leonard De Moss, Des Moines, Iowa, assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application May 31, 1946, Serial No. 673,520
9 Claims. (Cl. 17—21)



1. A method for completing the removal of a pelt from the body of a sheep or the like, comprising suspending the body from the hind legs thereof, holding the neck portion of a pelt that has previously been loosened from the underside and forelegs of the body, and then lifting the forelegs of the body to relatively pull the pelt from the body, said lifting action serving to draw taut the surface of the back and rump of the carcass at the point where the pelt is being separated from the carcass.

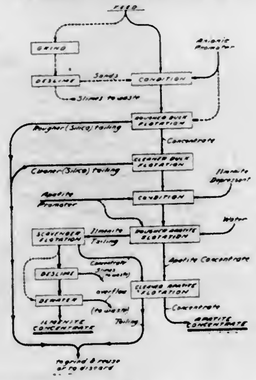
7. An apparatus for completing the removal of a pelt from the body of a sheep or the like, comprising means from which to suspend the body by its hind legs, means to hold the neck portion of a pelt that has previously been loosened from the underside and forelegs of the carcass, and means to lift the forelegs of the body to double the carcass back upon itself, said lifting serving to pull the carcass away from the pelt while simultaneously drawing the surface of the back and rump taut while separating the pelt therefrom.

2,494,139

FLOTATION OF TITANIUM OXIDE MINERAL CONCENTRATES

Samuel P. Moyer, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application December 20, 1945, Serial No. 636,199
6 Claims. (Cl. 209—167)



1. In the concentration by froth flotation of titanium-bearing oxide minerals from mixtures thereof containing phosphorus-bearing minerals and silica-bearing gangue, the improved process which comprises the steps of preparing an aqueous pulp of the mixture substantially free from slimes in which the particle size is suitable for flotation feed; subjecting the pulp to froth flotation in the presence of a promoter selected from the group consisting of the higher aliphatic fatty acids, talloel, resin acids, naphthenic acids mixtures of these materials, and their sodium, potassium and ammonium soaps whereby a bulk concentrate is obtained; subjecting an aqueous pulp of the bulk concentrate to agitation in the presence of about 1 to 3 pounds per ton of a soluble alkali metal silicate and about 0.1 to 0.5 pound per ton of an alkali selected from the group consisting of sodium, potassium and ammonium hydroxide; subjecting the conditioned bulk concentrate to froth flotation in the presence of a promoter removing the resultant phosphorus-bearing minerals flotation concentrate and collecting the residual tailing as a titanium-bearing oxide minerals concentrate.

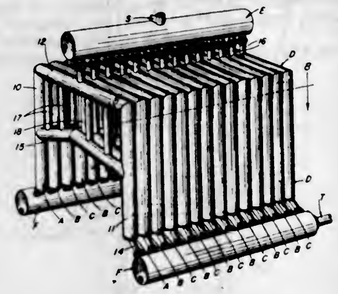
2,494,140

BOILER STRUCTURE

John J. Oakes, Chinchilla, Pa.

Application February 14, 1947, Serial No. 728,580
6 Claims. (Cl. 122—268)

1. A boiler comprising a plurality of units, each unit being composed of tubes cut and welded together to provide upright side members, a top member, and an intermediate cross member at a level between the upper and lower ends of the side members, said units including central units each having also a vertical tube connecting the top and cross members thereof, said units also including a front unit from which such a vertical tube is omitted, and a rear unit having its cross member extending only from one side member to the vertical tube, the latter providing a passage



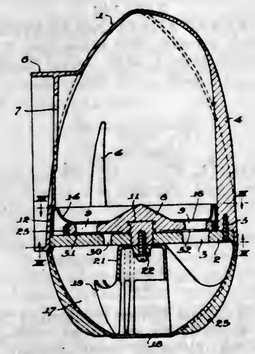
for movement of furnace gases from below the level of the cross members into the flue space above the same, said members and vertical tubes having essentially identical dimensions from front to back of the respective unit, said units being assembled with said side and top members forming walls above the cross members to provide the said flue space, and said vertical tubes mutually abutting to constitute a partition wall dividing said flue space, and means effective to hold the units assembled.

2,494,141

SALT TABLET DISPENSER

Paul C. Perrin, Pittsburgh, and William J. Sharbaugh, Wilkinsburg, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 3, 1947, Serial No. 771,864
11 Claims. (Cl. 312—94)



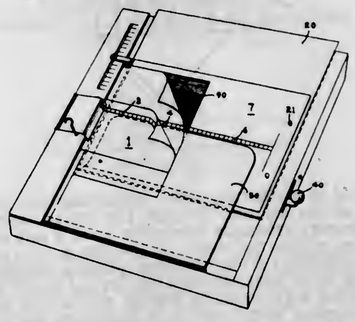
1. A tablet dispenser comprising a tablet receptacle having a bottom provided with a tablet-discharge opening, a disc in said receptacle rotatably mounted on said bottom and overlying said opening, said disc being provided with a tablet-receiving opening adapted to be moved into registry with said discharge opening, a shield above the disc for obstructing the entrance to said receiving opening when it registers with the discharge opening, and manually operable means disposed below said bottom, said means being operatively connected to said disc for rotating it and being in the form of a cup having an outlet opening in its bottom through which said tablets discharge, and said receptacle bottom being provided with an opening beneath said disc for escape of tablet grains from between said bottom and disc and out through said discharge opening.

2,494,142

APPARATUS FOR ONE-TIME POSTING SYSTEMS

Frank F. Pfeiffer, Donald H. Lansing, and Robert B. Smith, Dayton, Ohio, assignors to The Reynolds & Reynolds Company, Dayton, Ohio, a corporation of Ohio

Application March 5, 1945, Serial No. 581,130
10 Claims. (Cl. 282—29)



1. A device for aligning a plurality of record sheets for a one-time posting of data simultaneously on the sheets that includes, a platform having guide means thereon, a movable record sheet carrying-board positioned between said guide means for movement therebetween as guided thereby, clamp means adjacent one edge of said carrying-board for securing record sheets in position upon the device, an indicating marker adjacent said edge for establishing the writing position of a datum line on a record sheet positioned thereadjacent, means movable along said edge relative to said indicating marker for engagement by record sheets to align datum lines on the record sheets in alignment with said indicating marker, means on said carrying-board to align a datum line on a record sheet carried thereby with said indicating marker, and a mechanism operably connected to said carrying-board for moving the same a distance at least equal to the distance between successive datum lines on the record sheet carried upon said board.

2,494,143

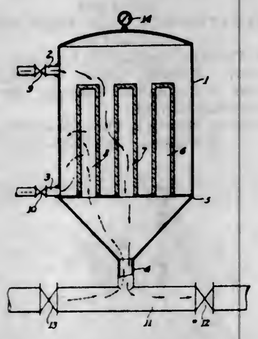
METHOD OF PROCESSING VISCOUS SOLUTIONS

Henry G. Reed and John K. Beasley, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 26, 1946, Serial No. 657,221
3 Claims. (Cl. 260—230)

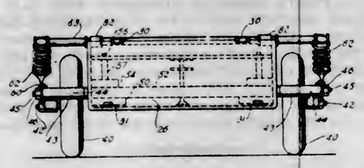
1. A method of filtering a solution of a lower fatty acid ester of cellulose, resulting from its

preparation, which solution contains sulfuric acid and not more than 25% of water, which comprises adding thereto, in the absence of any substantial agitation, only sufficient of a basic magnesium compound to neutralize the sulfuric acid therein which addition is at a temperature of 120–160° F., cooling the solution whereby crystals of magnesium sulfate of at least 50 mesh size are formed, diluting the solution with lower fatty acid to reduce the viscosity thereof to less than 5000 centipoises, then, before the sulfate crystals formed separate from the mass, passing it through porous filter stones at a pressure of 15–30 p. s. i. whereby a thin layer of the sulfate crystals is built up on the stones, which layer



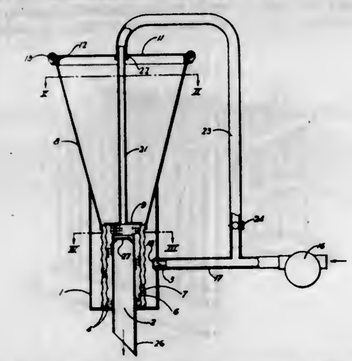
serves as a filtering layer, continuing the filtering of the solution through the crystal layer at a pressure gradually increasing up to a safe maximum within the range of 50–1000 p. s. i., upon termination of the filtration passing anhydrous lower fatty acid through the crystal layer, back washing with water to remove the crystal layer, and rinsing with acetic acid to remove the water from the system, followed by passing a fresh supply of lower fatty acid ester of cellulose solution containing magnesium sulfate crystals, in suspension, through the filter stones to build up a new layer of the crystals thereon and filtering the lower fatty acid ester of cellulose solution through the thus-formed crystal layer.

2,494,144
WHEEL SUSPENSION FOR TRAILER BOATS
Robert E. Restall, Hamilton, Ontario, Canada
Application December 7, 1945, Serial No. 633,438
5 Claims. (Cl. 280—124)



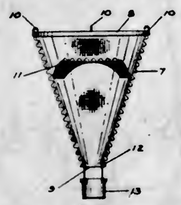
1. In a wheel mounting for a boat trailer, sockets in said trailer, axles positionable in said sockets, means for clamping said axles in said sockets, L-shaped brackets rotatable on said axles, stub axles secured to said brackets, wheels mounted on said stub axles, and springs secured between said brackets and said boat trailer, a spring bar extending across said trailer, said springs being secured to said spring bar.

2,494,145
CARBON DIOXIDE GENERATOR
John P. Sanderson, Peter V. Paulus, and William P. Yant, Pittsburgh, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 16, 1945, Serial No. 583,126
7 Claims. (Cl. 23—281)



7. A carbon dioxide gas generator comprising an open-top housing having an inlet in its side wall and an outlet in the center of its bottom, a conduit connected to said inlet for supplying thereto a stream of air, a pair of concentric tubular screens mounted on said housing bottom around said outlet and spaced from said side wall, a tube in said outlet projecting up into said inner screen, a baffle in the upper end of said tube, said screens being spaced from each other to form a receptacle for burning carbonaceous material, a hopper mounted on top of the housing with its lower end closing the space between the top of the outer screen and the housing, a closure member for the upper end of the inner screen provided with a secondary inlet, a conduit connected to said first-mentioned conduit and extending into said hopper and connected to said secondary inlet, and a valve in said last-mentioned conduit for regulating the supply of air to said secondary inlet.

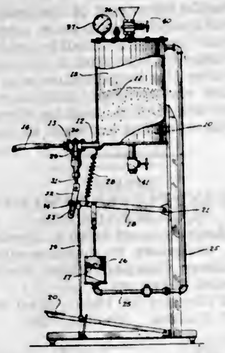
2,494,146
GREASE TRAPPING DEVICE
Peter A. Spanos, San Francisco, Calif.
Application June 7, 1946, Serial No. 675,133
1 Claim. (Cl. 183—72)



A grease trapping device positioned below and detachably secured to an outlet vent-pipe and comprising an inverted cone-shaped member made of wire mesh, said member having an enlarged open upper end and a restricted open lower end the rim portion of said member at its enlarged open end having an asbestos lining in the inner periphery thereof, and a container suspended beneath said member adjacent its

lower open end and in alignment therewith, said container suspension means comprising spaced hook elements connected to the lower end of said member and to said container, said container being capable of receiving therein grease drippings passing through the lower open end of said cone-shaped member.

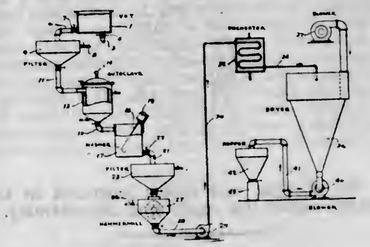
2,494,147
FEEDING DEVICE
Richard D. Trelease and Carl H. Koonz, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
Application May 6, 1944, Serial No. 534,496
2 Claims. (Cl. 119—51)



1. A device for feeding fowl and the like including a closed feed supply reservoir with means through which a substantially liquid feed may be inserted therein, an outlet line leading from the reservoir, an unbiased valve in said line with a valve stem and closure by which the flow of feed through said line may be controlled, said stem being longitudinally movable to control the position of the closure, a foot treadle, resilient means to normally hold the treadle in an upward position, means including a reciprocating air pump operatively connected to the treadle to pump air to the upper portion of the reservoir to force the feed therefrom, and a lost-motion connecting link operatively connected between the valve stem and the treadle whereby with any setting of the valve, the treadle may be worked within a restricted range of movement to reciprocate the pump without disturbing the setting of the valve, while a full movement of the treadle may be used to open or close the valve.

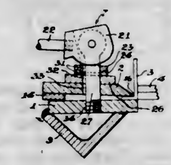
2,494,148
METHOD OF PURIFYING LACTALBUMIN
William E. Truce, La Fayette, Ind., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1947, Serial No. 723,625
6 Claims. (Cl. 260—122)

1. In a process of destabilizing gel-like aqueous curds of crude lactalbumin precipitated from whey without forming a solution of lactalbumin, the steps which comprise: heating in the presence of moisture the said curds of lactalbumin which have been separated from the whey to a temperature at least approximately the boiling point of water for a period of at least approximately 5 minutes while maintaining the lactalbumin in the solid state, and discontinuing the said heating before the said lactalbumin is hydrolyzed; thereby destabilizing the gel-like structure of the curds so that lactose and minerals



normally associated with the crude lactalbumin may be readily washed therefrom.

2,494,149
METAL BENDING BRAKE WITH REARWARDLY SLIDABLE CLAMPING BEAM
Robert L. Webb, Imperial, Pa.
Application July 26, 1947, Serial No. 763,815
3 Claims. (Cl. 153—16)

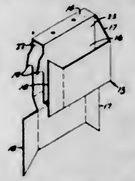


1. A sheet metal bending brake comprising a bedplate provided at its ends with holes, a clamping beam having a beveled front edge and openings aligned with said bedplate holes, a spacing member disposed between the rear portions of said plate and beam, a bending beam pivotally secured to said bedplate, clamping beam lifting means for raising said beveled front edge clear of said plate to permit the insertion of metal therebetween, and metal clamping cam mechanism received in said aligned holes and openings, said mechanism being loosely mounted in said clamping beam openings and said openings being larger than the portion of the cam mechanism received therein and having their axes inclined rearwardly of the vertical so as to permit said clamping beam to rock forwardly and position its beveled edge in exact alignment with the forward edge of the bedplate when said cam mechanism is tightened and also to permit the beam to slide rearwardly when said metal is being bent at least a distance equal to the gauge of said metal, whereby a sharp bend is formed in said metal.

2,494,150
WEIGHING SCALE POISE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application June 13, 1946, Serial No. 676,537
3 Claims. (Cl. 265—56.5)

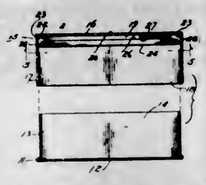
3. A sheet metal structure serving as a frame for a weighing scale poise, said structure comprising an inverted U-shaped section each leg of which has a first portion adjacent the face of the beam, a laterally extending portion and a vertical section, and wings adjacent some of the sections, said wings and sections forming

pockets to receive poise loading material, a cover attachable to the center section and extending



over the pockets, and rollers journaled in the U-shaped section for supporting the assembly.

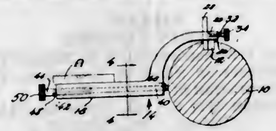
2,494,151
POWDER BOX
James L. Younghusband, Chicago, Ill.
Application December 6, 1947, Serial No. 790,071
1 Claim. (Cl. 229—43)



A cylindrical powder box comprising a container having a closed bottom, an open top and straight side walls, a cover having a closed top, an open bottom and straight side walls, an upper disc of smaller area than the top of said cover, said upper disc attached to the inner surface of the top of said cover, a lower disc formed of laminations of cardboard and being slightly compressible and having an upper surface and inwardly and upwardly beveled side walls, the upper surface of said lower disc attached to the bottom surface of said upper disc, said lower disc of larger area than said upper disc and slightly overlapping the same, said lower disc of smaller area than the top of said cover, the side walls of said lower disc unattached to the side walls of said cover and the lower peripheral edges of the side walls of said lower disc being spaced slightly less than the thickness of the side walls of the container from contact with the side walls of said cover, said cover slightly larger than said container and adapted for removable engagement therewith so that the walls of said container extend between the side walls of said lower disc and the upper portions of the side walls of said cover, thereby contacting and compressing said lower disc to form a seal to prevent the loss of powder from said container.

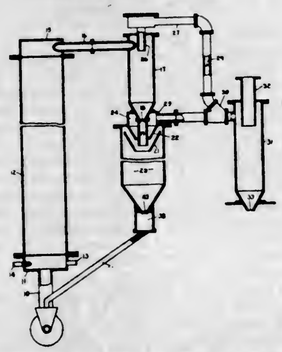
2,494,152
TOOL TO CHECK CENTRALITY AND ALIGNMENT OF KEYWAYS IN SHAFTS
William W. Ablett, Detroit, Mich.
Application May 24, 1945, Serial No. 595,619
1 Claim. (Cl. 33—180)

A tool of the character described comprising, an elongated rectangular shaped body having a forward arcuate shaped portion with flat lower and upper surfaces on the free end of said arcuate shaped portion, and said portion having a square shaped opening in the forward end thereof in vertical relation to said lower and upper surfaces, a gauge block in said opening, a set screw in the outer edge of the forward end of said arcuate portion at right angles to the opening and engaging the block to retain the block in the opening, a cushioning means in the opening between the inner end of the set screw and the block, a smooth bore in said body extending longitudinally thereof from one end thereof for a portion thereof, a tapped bore in said body of larger diameter than said smooth bore and extending longitudinally of



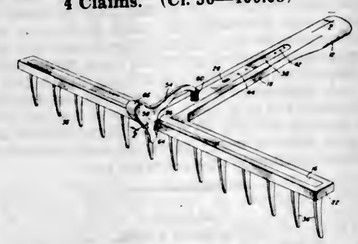
the body from the other end of the body, and communicating with said smooth bore, a body leveling adjusting screw having a smooth portion adapted to enter the smooth bore and a threaded portion adapted to enter the tapped bore and said screw having a knob end whereby said screw may be rotated when said tool is used to check the centrality and alignment of keyways in shafts.

2,494,153
DRYING AND PULVERIZING METHOD AND APPARATUS
Norwood H. Andrews and John L. Speirs, Moorestown, N. J., assignors, by mesne assignments, to The Micronizer Company, New York, N. Y., a corporation of Delaware
Application February 23, 1945, Serial No. 579,438
7 Claims. (Cl. 241—39)



1. For drying and pulverizing a solid material in partially comminuted form, the apparatus: a jet connected to a source of gas under pressure and a second jet connected to a source of gas under pressure and means feeding raw material into the aspirating zone of each thereof, said two jets being opposed and aligned with respect to each other whereby the solid materials in the one gas stream will be hurled against the solid materials in the other gas stream to shatter the particles in both streams and the point of impact being within a confined chamber; a circulating column and a passageway conducting the gas and the shattered particles from said impact chamber thereinto; means introducing a supplementary stream of gas at a relatively low pressure into said circulating column; a first cyclone; a conduit conducing said stream of gas out from said circulating column and into said first cyclone; a cyclone outlet pipe disposed axially with said cyclone and extending thereinto from the top far enough to place its end vertically below the point of entry into said cyclone of said conduit; a final cyclone; a passageway, having a flow control means therein, from said cyclone outlet pipe to said final cyclone; an elutriation chamber; an opening in the bottom of said first cyclone and a pipe providing communication through said opening from said first cyclone into said elutriation chamber; an opening in the bottom of said elutriation chamber and means operatively associated therewith providing transfer from said chamber of over-sized solid particles back to the initial feeding means; a pair of conical members concentric with said first cyclone and at least partially surrounding said pipe at the bottom thereof but permitting passageway along the exterior of said pipe from said elutriation chamber into the hereinafter mentioned outlet chamber; an outlet chamber at least partially surrounding said pipe and communicating as above stated with said elutriation chamber; a passageway from said outlet chamber to said final cyclone; a gas offtake pipe extending into said final cyclone a distance sufficient to place its end below the lowest point of entry into said cyclone of the material laden gas, and an outlet for solid material at the bottom of said cyclone.

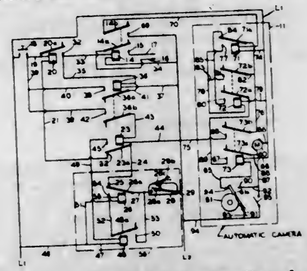
2,494,154
SELF-CLEANING RAKE
Lester E. Bachman, South Ozone Park, N. Y., assignor of one-half to Mary G. Bachman, South Ozone Park, N. Y.
Application November 14, 1947, Serial No. 786,019
4 Claims. (Cl. 56—400.08)



1. A hand rake comprising an elongated handle, a T-shaped head member having the shank portion thereof secured to one end of the handle, a vertical longitudinally disposed recess in said head and extending into the top portion of said shank portion, a rake head having a shank portion and configured to fit within said recess, and a pivotal connection between said shank portion of the head member and said shank portion of said rake head, said pivotal connection comprising a flat spring normally biasing the rake head downwardly, and a latch for releasably fastening the rake head in down position, said latch being spring-biased into latching position and being mounted on the rake head remote from said handle so that the latch can be released by allowing the same to engage the ground.

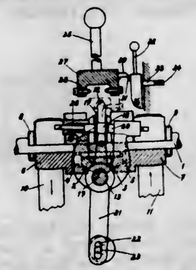
2,494,155
IDENTIFICATION CARD-INTERLOCK SYSTEM
Edgar J. Bastin, Jr., Cleveland, and Gerald Vincent Lyons, East Cleveland, Ohio, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 3, 1947, Serial No. 731,918
2 Claims. (Cl. 250—65)

1. In apparatus comprising an X-ray tube and a fluorescent screen for providing an image responsive to rays from said tube and an identification card for said image and a holder for said card and a camera for making a record of said image and said card, the combination of an electrical system including a first relay for causing energization of said X-ray tube, a first circuit for energizing said first relay including an operator-operated member and a second relay, a third relay in parallel with said first relay and adapted to lock itself in when energized, a fourth relay energizable responsive to said third relay, a fifth relay, an armature for said fourth relay adapted when



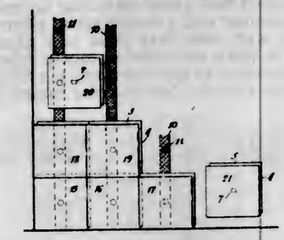
deenergized to close said first circuit and adapted when energized to cause energization of said fifth relay through a second circuit, means for locking said fifth relay in independently of said operator-operated member, a sixth relay, a normally open switch adapted to be held closed by said card in said holder, said switch connected in series in said first circuit, a third circuit energized independently of said other circuits and including said switch, and an armature for said sixth relay adapted when deenergized to close said first circuit and adapted when energized to break said first circuit and to close said third circuit.

2,494,156
REVERSING GEAR FOR MACHINE TOOLS
André Bechler, Moutier, Switzerland
Application May 28, 1945, Serial No. 596,336
In Switzerland June 20, 1944
4 Claims. (Cl. 192—51)



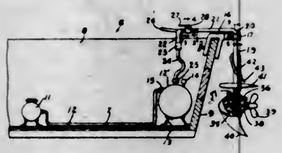
1. In a machine reversing gear, a driven lever, two driving clutch members, two driven clutch members alternately movable into engagement with the driving clutch members and also movable into an intermediate inoperative position, a second lever for moving the driven clutch members, spring-loaded stops on the driven lever for yieldably imparting movement to the second lever, and a spring actuated member for engaging and moving the second lever to a position wherein the driven clutch members assume their inoperative position irrespective of the position of the driven lever.

2,494,157
WALL COVERING TILE ATTACHED BY TAPE
Reynold C. Beck, Jamaica, N. Y.
Application October 5, 1946, Serial No. 701,596
1 Claim. (Cl. 72—19)



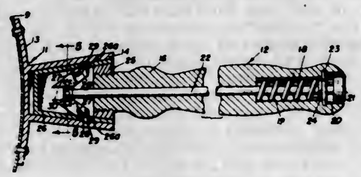
A wall tile covering comprising in combination a plurality of thin inherently flexible wall tiles and a plurality of tapes affixed to a wall supporting said tiles thereupon, each of said tiles having a fastener projecting from its rear surface in the center of the tile, each of said tapes having members embedded therein and spaced along the tape, the members receiving said tile fasteners to support the tiles in adjoining overlapping wall covering formation with the rear surfaces of the tiles engaging the front surfaces of the tapes, each of said tiles being rectangular in shape and of initially outwardly curved formation flattened into wall covering position by manual pressure exerted against its front surface to force said tile fastener into permanent engagement with said receiving member on the tape, each of said tiles having adjoining edge portions of two adjoining sides depressed and engaging under the non-depressed edge portions of two adjoining tiles, said tapes being affixed to the wall in parallelism spaced a distance apart equal to the width of a tile.

2,494,158
OUTBOARD MOTOR
Hermann P. Below, New Braunfels, Tex.
Application July 12, 1946, Serial No. 683,091
3 Claims. (Cl. 115—18)



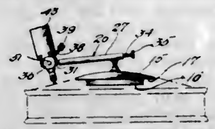
1. An outboard motor for mounting on the stern of a boat, comprising a clamp bracket adapted to be secured on the boat stern and having a vertical axis bearing, arranged to extend rearwardly beyond the stern, a rigid vertical tube having an upper portion thereof supportably journalled in said bearing, a turbine housing fixed on the lower end of said tube, said housing comprising a turbine chamber, a turbine rotor therein having a shaft extending rearwardly from said housing and equipped with a propeller, the said lower end of said tube communicating with the interior of said chamber in jetting relation to said turbine rotor whereby fluid moving downwardly through said tube and impinging upon said turbine rotor turns said rotor and drives said propeller, said upper part of said tube terminating above said bearing in a horizontal tubular extension projecting forwardly and serving as a tiller and as a conduit for conveying fluid under pressure to said vertical tube from a source on the boat.

2,494,159
DETACHABLE HANDLE FOR POTS AND PANS
Harry Bernstein, Elizabeth, N. J.
Application November 16, 1946, Serial No. 710,308
2 Claims. (Cl. 16—114)



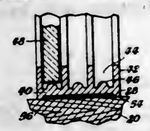
1. In a detachable pot and pan handle of the class described, an elongated handle having an axial bore, a control rod mounted for reciprocation in said bore, the rod having a thumb-button at one end and a shoulder inwardly of said thumb-button, a coiled spring surrounding the rod and arranged in the bore and bearing at one end against the shoulder in a manner to force the button out to a position to ready it for use, said rod being provided at its opposite inner end with a cross-head, a hollow coupling head mounted on said inner end, the cross-head equipped end of said rod projecting into said head, assembling pins mounted in said head, said head having apertures, latches having cam slots mounted on said pins, said latches being pivotally and operatively connected with said cross-head.

2,494,160
STRIPING TOOL
William A. Bihary, Miami, Fla.
Application December 29, 1945, Serial No. 637,881
1 Claim. (Cl. 33—27)



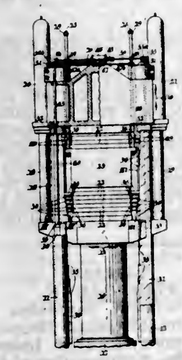
A wheel striping tool comprising a base, a circular flange depending from the base, said flange being adapted to be located in the hub cap receiving opening of a disc wheel, a tubular body mounted on the base to rotate about the axis of the flange and to rock about an axis which intersects and lies perpendicular to the axis about which it rotates, a rod telescopically entering one end of the tubular body, a paint feeding and distributing unit carried by the end of the rod remote from that which enters the sleeve, a compression spring surrounding the rod yieldingly to urge it to telescope into the sleeve and a screw threaded into the end of the sleeve remote from that entered by the rod for engaging the end of the rod to hold it against movement under the effort of the spring.

2,494,161
WINDOW CONSTRUCTION
Daniel D. Blackman, Brooklyn, N. Y.
Application December 3, 1947, Serial No. 789,501
4 Claims. (Cl. 160—43)



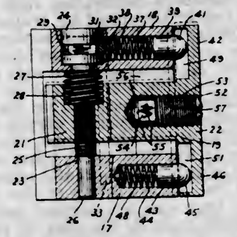
3. A window construction for installation in a window frame, comprising a bottom frame adapted to be supported upon a window sill, and having a plurality of upstanding spaced walls defining upwardly open guide recesses, the floor of each of said open guide recesses being provided with raised ridges adapted for supporting window panes, each of said ridges being of such width as to provide a space between it and each of said upstanding spaced walls on opposite sides thereof, a top rail adapted to be secured to the top member of said window frame and including depending spaced walls defining downwardly open guide recesses, side rails connecting said top and bottom rails, a pair of inner and outer window panes having their lower edges respectively receivable in said guide recesses in said lower rail, and being supportable upon said raised ridges, and having their upper edges receivable in the guide recesses in said upper rail, whereby said panes may be slidably moved in individual guide recesses to cooperatively cover said window opening and may be moved into at least partial registry with each other to at least partially uncover said window opening, said bottom and top rails being formed of a single piece of substantially non-yielding material.

2,494,162
MULTIPLATEN PRESS
Louis A. Camerota, Burlington, N. J., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey
Application June 16, 1948, Serial No. 33,319
12 Claims. (Cl. 18—16)



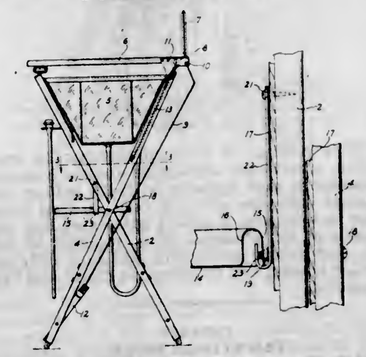
2. In a press of the character described, multiple platens for supporting individual units of the material which is to be compressed, arranged in superposed relation between a stationary upper compression head and an opposing movable lower compression head; lateral projections of different lengths on the platens; fixedly upright stop elements with steps spaced by a relatively large interval to cooperate with lateral projections of different lengths on the platens in supporting the platens when the press is fully opened for loading or unloading; retractable auxiliary upright stop elements with more closely spaced steps for engaging the projections in one position of said auxiliary stop elements to hold the platens separated by a smaller interval sufficient for release of gases and/or vapors from the material upon partial opening of the press.

2,494,163
ADJUSTABLE FIREARM SIGHT
George F. Davis, New Haven, Conn.
Application April 2, 1947, Serial No. 738,867
14 Claims. (Cl. 33—56)



1. In a firearm sight, a base, a leaf, a pin extending transversely across said base and upon which one end of said leaf is hinged, upwardly and outwardly transversely spaced inclined surfaces on said leaf, and a spring pressed plunger carried by said base and engaging each of said inclined surfaces on said leaf to constantly urge said leaf downwardly toward said base.

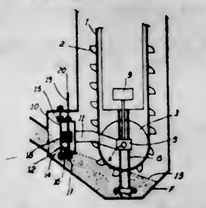
2,494,164
INFANT'S FOLDING BATH STAND AND DRESSING TABLE
Charles T. De Puy, Brighton, and William C. Baxter, Rochester, N. Y., assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application April 22, 1946, Serial No. 664,131
1 Claim. (Cl. 211—149)



In an infant's folding bath stand and dressing table, the combination with inner and outer leg frames comprising metal legs of U-shaped cross-section with the open sides of the channels facing inwardly, wooden insert blocks at the central portions of the legs, and pivot pins extending through and pivotally connecting adjacent legs

and insert blocks of the leg frames to permit their collapsing, said pivot pins having exposed inner ends extending inwardly beyond the legs of the inner leg frame, of a sheet metal tray pivotally arranged between the legs of the inner leg frame and including a rim comprising an outer wall with an exposed bottom edge and an inner wall integrally connected to the outer wall by a curved top portion, said outer wall having lateral openings at opposite ends of the tray engaging the inner ends of said pivot pins and said outer walls being yieldable permitting the tray to be removably supported on said pivot pins by springing said walls over the ends of the pins, the distance between the end walls of the tray being slightly greater than the distance between the innermost ends of the pivot pins, and gravity-controlled supporting members comprising rigid bars pivoted to the legs of the inner leg frame at points above and forwardly of said supporting pins adjacent to the ends of the tray and having swinging movement in planes adjacent and parallel to the planes of the outer end walls of the tray, said rigid bars being disconnected from the tray and having inwardly and upwardly curved interlocking portions at their lower ends which act as weights to hold the bars at all times in vertical position and which automatically engage under and support the bottom edges of the outer end walls of the tray and are located between the outer and inner walls of the tray at points forwardly of said pivot pins when the tray is lowered and automatically assume a position in line with the adjacent legs when the leg frames are folded permitting free upward folding movement of the tray independently of the rigid supporting bars.

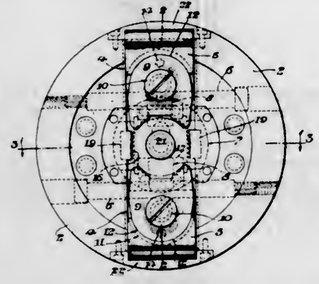
2,494,165
VERTICAL ELEVATOR
Pierre Diebold, Nancy, France
Application May 17, 1947, Serial No. 748,831
In France July 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 11, 1964
3 Claims. (Cl. 198—55)



1. In a vertical or inclined elevator, in combination, a vertically adjustable endless conveyor suspended in said elevator with its bottom end extending into the elevator boot, a feed chute ending in said boot, a sliding gate extending into the path of the material being supplied by said chute, and means connecting said gate with said conveyor bottom end for common rising and falling motion.

2,494,166
FLOATING CHUCK
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application August 3, 1945, Serial No. 608,795
2 Claims. (Cl. 279—16)

1. A chuck for holding a workpiece, said chuck comprising a supporting body, rocker arms carried by said body and each having an inner end and an outer end, a hollow housing slidable within said supporting body and having slots in the wall thereof through which the inner ends of the rocker arms extend, a cam freely rotatable in said housing and having cam surfaces engageable with the inner ends of the respective rocker arms, and means for sliding the hollow housing and the cam therewith to separate the inner ends of the rocker arms and thereby grip a workpiece positioned between the outer ends of the rocker arms.



2,494,167
INDEX DEVICE IN WHICH A SELECTED SHEET IS HELD DOWN AND SHEETS THEREABOVE LIFTED
Walter Faas, South Orange, N. J., assignor to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey
Application September 2, 1944, Serial No. 552,484
20 Claims. (Cl. 40—104)

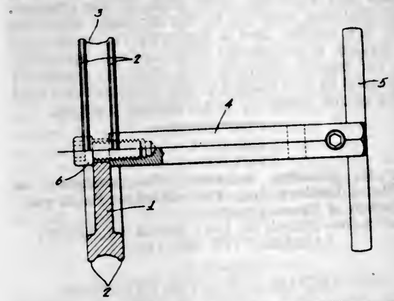


1. The combination of a base, a plurality of relatively movable cards normally arranged in a stack on said base and swingable upwardly therefrom, each card having a portion thereof accessible so that any card may be contacted at said portion and held down with all cards beneath it, a card lifter above and movable away from said stack and having means to releasably engage said cards, and means for causing elevation of said lifter while a card is contacted and held down so that said lifter carries with it all cards not held down.

2,494,168
PLUG GAUGE
Bror Wilhelm Forslund, Savedalen, and Albert Heinrich Robert Christian Hoppe, Goteborg, Sweden, assignors to SKF Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application May 20, 1944, Serial No. 536,572
In Sweden June 4, 1943
4 Claims. (Cl. 33—178)

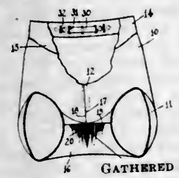
3. A plug gage having a handle and a gage body attached thereto, said body having a cylindrical gaging surface adjacent each end, having an axial width equal to only a small part not exceeding one-tenth of the diameter of said surface, said

surfaces constitute the sole effective gaging surfaces of the gage and having a peripheral groove



terminating at the sides in the respective surfaces and separating the latter.

2,494,169
MAN'S SHORTS
Thomas Formichella, West Haven, Conn.
Application December 17, 1945, Serial No. 635,469
3 Claims. (Cl. 2—224)

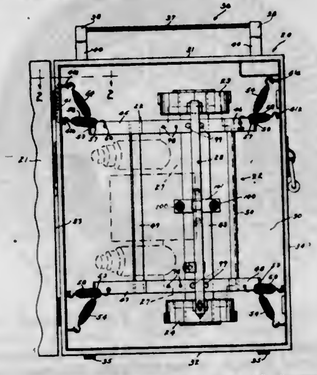


GATHERED PORTION

1. Men's shorts comprising a waist piece, and a body piece adapted to extend over the body and legs of the wearer formed of a blank having an upper edge secured to the waist piece, the blank having downwardly sloping diverging side margins and a lower middle forwardly projecting portion having a substantially straight edge, the blank having at the sides of said projecting portion upwardly sloping diverging lower margins extending to the lower ends of the side margins, said blank being turned on itself and having short portions at the lower parts of the side margins sewed together to provide a short upright seam, the side marginal portions above said seam being left free of each other to provide a fly, and the marginal portions at the upper part of the upwardly sloping diverging lower margins of the blank being sewed to the substantially straight edge of said middle forwardly projecting portion to provide a cross seam, the latter edge being initially of greater length than the combined length of the seam-forming portions sewed thereto and being gathered in order to provide an inwardly facing cup formation immediately rearwardly of the cross seam.

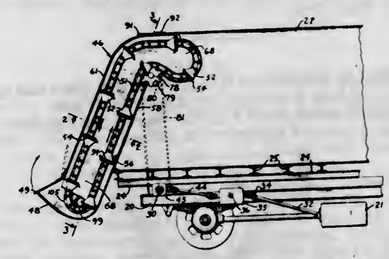
2,494,170
TUBE SHIPPING CRADLE
Edwin R. Goldfield and Ralph C. Schiring, University Heights, Ohio, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 8, 1946, Serial No. 675,486
8 Claims. (Cl. 217—55)

5. In a shipping container of the character described wherein an X-ray tube is gripped between end-retaining members of cushion-like character in a cradle resiliently suspended in the container, articulated locking lever means for holding said end-retaining members, said lever means consisting of three links mutually pivotally connected in tandem, the two outer links having their inner ends carried on spaced pivots on the intermediate



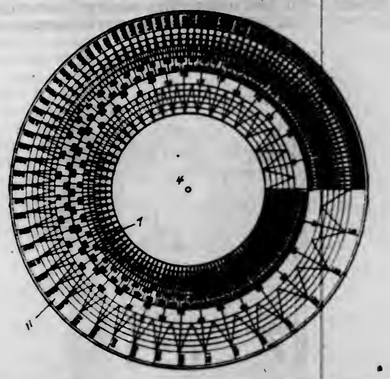
link, the effective length of said lever being changeable by swinging movement of said intermediate link around said pivots, one said outer link being pivotally connected at its free end to one of said end-retaining members, the other said outer link being releasably attachable at its free end to the other of said end-retaining members.

2,494,171
SELF-LOADING TRUCK
Joseph F. Goodman, New York, N. Y., assignor to Automatic Truck Loader Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1946, Serial No. 680,331
9 Claims. (Cl. 214—67)



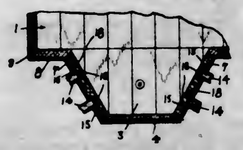
1. In a self-loading dump truck having its body pivoted to its chassis for rear-end discharge and provided with an endless conveyor including a pair of chains and flights adapted to elevate material across the discharge end of the body and discharge it into the body, a conveyor drive system comprising two stub shafts having sprockets on their inner ends adapted to drive the chains of the conveyor, bearing means on said body supporting said shafts in axial alinement, a lower drive shaft extending transversely of the body and coaxial with the pivots between it and the chassis, means for driving said lower shaft, and means operatively connecting the ends of said lower shaft with the outer ends of said stub shafts whereby they are synchronously driven by rotation of the lower shaft.

2,494,172
ADJUSTABLE CALCULATING CHART
Henry G. Griesbaum, Pevely, Mo.
Application October 4, 1946, Serial No. 701,343
1 Claim. (Cl. 235—83)



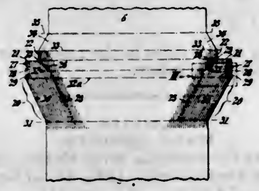
A calculating chart comprising a base having a peripheral flange, a center disk secured to the base concentric thereof, an outer fixed ring on the base concentric about said disk and spaced therefrom, said outer ring carrying a series of concentrically arranged circles intersected by equally spaced radial lines forming sectors, calculating indicia adjacent said radial lines, respectively, in increasing order clockwise indicating main divisions, a pair of equal length converging lines dividing each sector into equal subdivisions of each main division, a slide ring slidably mounted on said base and between the center disk and the outer fixed ring carrying calculating indicia in divisions and sub-divisions, similar to those on said outer fixed ring, except that they progress in the opposite direction, an indicating wire between the center of the center disk and the base flange, and an indicating needle on the slide ring.

2,494,173
BOILER COMBUSTION CHAMBER CONTROL
Alton J. H. Hassell, Spokane, Wash.
Application April 15, 1946, Serial No. 662,183
1 Claim. (Cl. 158—3)



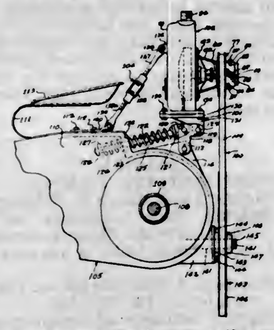
In a boiler construction, a combustion chamber having side and end walls and provided with a metal shell and a lining of fire bricks, a fuel burner extending into the combustion chamber through one end thereof, certain of the fire bricks at sides of the combustion chamber being formed with air inlet openings aligned with companion openings formed through the shell, outer end portions of the openings in the fire bricks being enlarged and forming annular recesses surrounding the openings in the shell and of greater diameter than the openings in the shell, pipes of greater diameter than the openings in the fire bricks having end portions passing inwardly through the openings in the shell and welded to surrounding portions of the shell and having their inserted end portions spaced from the annular side walls of the recesses and abutting inner ends of the recesses in surrounding relation to the air inlet openings of the fire bricks, and a butterfly valve in each pipe having a horizontal pivot spaced upwardly from its center whereby the valve is normally held closed by the weight of its lower portion and may be swung inwardly to an opened position.

2,494,174
STOCKING
Henry R. Hinkley, Lebanon, Pa., assignor to NoMend Hosiery, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 20, 1947, Serial No. 735,973
3 Claims. (Cl. 66—187)



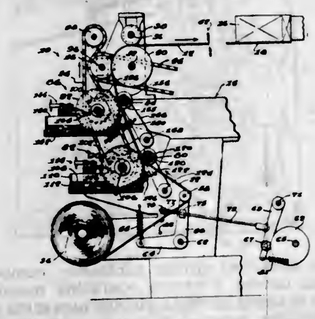
1. A stocking formed from an integrally knit fashioned flat blank complete with leg and foot, characterized by having at its opposite side edges, angularly offset laterally extending heel cheeks beginning at the completion of the ankle and terminating in transverse edge segments beyond the side edges of the instep, the upper portions of the heel cheeks being outwardly displaced by progressive transfer of loops from spaced wales within the body of the blank to the extent of at least one wale in spaced courses, and whereof the lower portions are displaced outwardly by progressive transfer of loops from wales within the body of the blank spaced by a greater distance than in the upper portion, the sutures resulting from the transferring having segments at an obtuse angle to each other both inclined to the longitudinal axis of the blank and terminating at the juncture corners between the heel cheek bottoms and the side edges of the instep.

2,494,175
ADAPTER FOR VEHICLE-MOUNTED MACHINES
Frank J. Hoder, Jr., Detroit, Mich., assignor to Marine Products Company, Detroit, Mich., a corporation of Michigan
Application March 15, 1946, Serial No. 654,774
4 Claims. (Cl. 180—53)



4. An attachment for temporarily and removably mounting a driven machine upon a vehicle equipped with a power take-off unit and a yieldably mounted draw bar connection, comprising a platform having a pivot support projecting therefrom, a pivot member pivotally connecting said pivot support to said draw bar connection, a fastener securing said machine to said platform, a driving pulley removably connectable to said power take-off unit, a driven pulley connected to said machine, an endless flexible belt drivingly interconnecting said pulleys, and one of said pulleys having relatively separable halves with approximately conical belt-engaging surfaces for adjustably varying the length of path of belt travel between and around said pulleys.

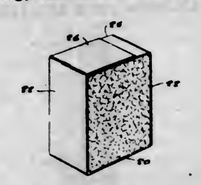
2,494,176
ADHESIVE APPLYING MECHANISM
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application August 22, 1947, Serial No. 770,125
4 Claims. (Cl. 91—12)



1. An adhesive applying mechanism for applying adhesive to a longitudinally moving web comprising a rotatable adhesive applying roller, means for rotating the roller to cause the portion of its surface in contact with the web to travel in a direction opposite to the direction of travel of the web, and means engaging the web for intermittently pressing the web into engagement with said applying roller to effect application of adhesive to spaced portions of the web, and additional means for moving said pressing means a substantial distance in the direction of travel of the web during the adhesive applying operation.

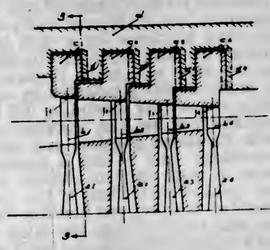
2,494,177
PACKAGE AND METHOD OF MAKING THE SAME
Oscar H. Hultin, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 16, 1946, Serial No. 654,903
1 Claim. (Cl. 206—45.34)

As a new article of manufacture, a package comprising a bag containing a commodity, said bag being formed to provide a closed rectangular bottom and four rectangular side walls and having its top folded to provide a top closure, said closure comprising outwardly extending flaps, and an outer sleeve of an elongated strip of a relatively heavy stiff material of substantially uniform width substantially equal to the width of certain side walls of said bag, said sleeve being of a size snugly embracing the bottom, top and two opposite of said certain side walls of the bag whereby the free edge portions of said sleeve lie substantially in the same planes as the exposed walls of said bag, said sleeve having end portions



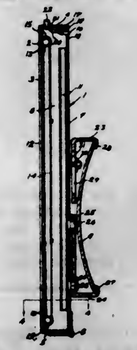
extending across the top of said bag in overlapping relationship and having one of said closure flaps interleaved between the said overlapping end portions, said overlapping end portions being adhesively secured to each other.

2,494,178
GAS TURBINE
Roger Jean Imbert, Paris, France, assignor to Societe Rateau (Societe Anonyme), Paris, France, a company of France, and Rene Anxionnaz, Paris, France
Application August 27, 1945, Serial No. 612,869
In France May 21, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 21, 1963
2 Claims. (Cl. 253—65)



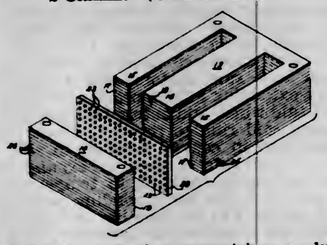
1. In a gas turbine having a plurality of rotor wheels each comprising a single set of radially extending blades each secured at its root to said wheel and free at its external tip, whereby the channels defined between said blades are open at the wheel periphery between the free tips of the blades; a stator provided with an annular recess around each said wheel; a separate stationary ring for each said wheel, a portion of each of said rings having a cylindrical smooth inner surface surrounding the free tips of the blades of the said wheel with only a slight radial clearance, and being adjacent to each other, and a root portion slidably mounted in said recess; nozzle diaphragms between said wheels, said diaphragms being supported from said stator with radial clearance between each said diaphragm and said stator; and a plurality of radially extending guides provided in said recess around said wheel and acting between said stator and each said ring to retain the latter against rotation and in coaxial relation to said wheel, whereby said ring is free to expand radially in said recess in response to temperature rise, said ring and the corresponding wheel having masses adapted to one another for simultaneous substantially equal radial expansions in response to temperature variations of the working gases during operation of the turbine.

2,494,179
DETACHABLE ILLUMINATED CARD HOLDER
Robert S. King, Bonners Ferry, Idaho
Application November 10, 1948, Serial No. 59,240
4 Claims. (Cl. 40—134.1)



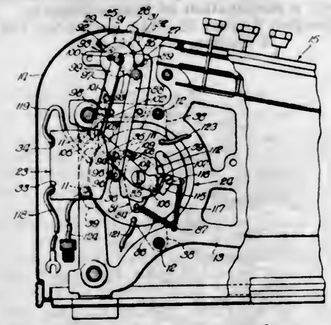
1. A card holder comprising a frame open at its back and having a front wall formed with a sight opening, a transparent closure sheet for the sight opening, a lighting tube mounted against the inner face of the front wall about the transparent sheet, a rear wall for said frame hinged to the lower portion of the frame and mounting the frame for tilting movement outwardly and downwardly to an opened position, strips of channeled material mounted vertically against side edge portions of the inner face of the rear wall and constituting mounting members for a card to be displayed through the sight opening, the upper edge portion of the rear wall being formed with an opening, a latch pivotally mounted in said frame and having a rearwardly extending bill for passing through the opening and releasably securing the frame in its closed position, said latch being urged downwardly and having a forwardly extending arm, a push button slidable vertically through an opening at the top of the frame and having a head at its lower end limiting its upward movements and resting upon the latch arm for forcing the arm and swinging the latch upwardly to a releasing position when downward pressure is applied to the button, and clamps carried by the rear wall for engaging a bumper of an automobile and detachably mounting the card holder thereon.

2,494,180
LAMINATED REACTOR
William F. Koubek, Cuba, N. Y., assignor, by mesne assignments, to Acme Electric Corporation, a corporation of New York
Application April 6, 1946, Serial No. 660,092
2 Claims. (Cl. 175—356)



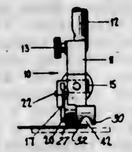
2. A laminated reactor comprising, a plurality of magnetic laminations disposed to form a pair of laminated cores, each of said magnetic laminations having an edge with the edges of the magnetic laminations in one core facing the edges of the magnetic laminations in the other of the pair of cores, a non-magnetic perforated spacer separating the edge of each of the laminations of one core from the edge of each of the laminations of the other core, and a vibration dampening bonding non-magnetic material extending through the perforations in the spacer and adhering to the edge of each of the laminations of each of the cores.

2,494,181
ELECTRICAL CIRCUIT CONTROLLER
Jalmer M. Laiho, Skokie, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 23, 1945, Serial No. 579,446
9 Claims. (Cl. 200—5)



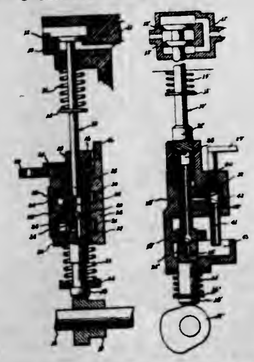
2. An electrical circuit controller, comprising a switch having a switch operating member, a polarity changer having a pivoted operating member, operating means common to said switch and polarity changer for operating them, connecting means between said operating means and said switch operating member, a lever connected to said connecting means for operation therewith, means on said lever engageable with the pivoted operating member of said polarity changer for operation thereof, and rotatable means having alternating portions adapted alternately to prevent and to permit engagement of the last said means with said pivoted operating member for controlling the operation of said polarity changer.

2,494,182
COMBINED WELT SEAM PRESSER FOOT
John Lang, Brooklyn, N. Y.
Application September 19, 1946, Serial No. 698,041
2 Claims. (Cl. 112—235)



1. In a welt seam presser foot for sewing machines having a needle, comprising a shank having a downwardly and forwardly extending arm, said arm being horizontally slidably mounted on said shank, a welt seam gauge having a vertical aperture formed therein, threaded means secured to said shank passing through said aperture and permitting vertical adjustment of said gauge, the lower portion of said gauge in transverse contact with the material worked upon having an arcuate contour, said gauge having horizontal fingers in overlapping relation with the front portion of said presser foot and being movable to move said arcuate surface to and from said needle to hold the stitching of a finished welt seam in alignment with said needle, and said threaded means permitting adjustment of said gauge to permit said foot to operate on welt seams having various sized cords therein.

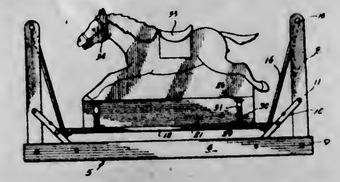
2,494,183
CONTROL SYSTEM FOR HYDRAULICALLY ACTUATED VALVES AND THE LIKE
John W. Lincoln, Stonington, Conn.
Application July 6, 1946, Serial No. 681,749
6 Claims. (Cl. 121—149)



1. A valve lifter assembly comprising a valve guide housing having upper and lower annular recesses, a bushing rotatably mounted in the housing, means for rotating the bushing in the housing, a hollow push rod adapted to move slidably in the bushing, guide means for preventing rotation of the push rod, a valve stem extending into the hollow push rod, spring means urging the valve stem into the push rod, spring means urging the push rod away from the valve stem and into cooperation with a cam, a check valve in the hollow portion of the push rod, a relatively non-compressible fluid in the hollow push rod for transmitting thrust from the push rod to the valve stem, and control ports in the push rod and in the bushing for selectively permitting fluid ingress and egress to the hollow push rod.

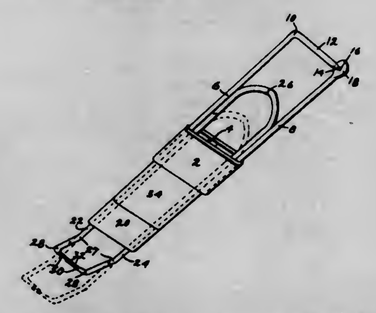
2,494,184
ROCKING HORSE
Martin W. Linder, Alviso, Calif.
Application May 24, 1946, Serial No. 672,051
2 Claims. (Cl. 272—52)

1. In a rocking horse, a horizontally-disposed base comprising a pair of longitudinal frame members, a transverse frame member detachably connected to each of the ends of said longitudinal frame members, an upright arranged at each corner of said base and having one end pivoted to the adjacent longitudinal frame member for movement from a horizontal position in alignment with said frame member to a position perpendicular to said frame member, a foldable brace contiguous to each corner of said base having one end pivoted to the longitudinal frame member adjacent thereto and having the other end pivoted to the upright adjacent thereto, a platform interposed between the longitudinal and transverse frame members, opposed hangers pivoted to said platform for swinging movement from a horizontal to a vertical position and detachably and suspendedly connected to the other ends of the adjacent uprights, a transversely-disposed bracket rigidly supported on the top of said platform and having a portion pivotally connected thereto for swinging movement from a position horizontal with respect to said platform to a position vertical with respect to said platform, a second transversely-disposed bracket positioned on the top of said platform in spaced parallel relation with respect to the first-named



bracket and rigidly supported on said platform, said second-named bracket having a portion pivotally connected thereto for swinging movement from a position horizontal with respect to said platform to a position vertical with respect to said platform, said latter movement being at right angles with respect to the swinging movement of said first-named bracket, a toy horse provided with a seat portion positioned between the portions of said brackets and having its sides in engagement with said portions when the latter have been swung to the position vertical with respect to said platform, and means extending through the portion of the first-named bracket, toy horse, and the portion of said second-named bracket for detachably securing the toy horse in vertical position.

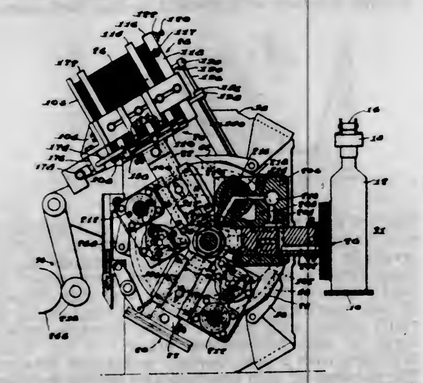
2,494,185
SHIRT COLLAR STIFFENER
Charles A. Magney, Spokane, Wash.
Application March 12, 1948, Serial No. 14,427
2 Claims. (Cl. 2—132)



2. A stiffener for the points of collars folded upon the collar band and adapted to engage the upper edge of the band and the lower extremity of the collar point and comprising a closed spring wire frame having overlapping cloth penetrating points in one end of the frame, a flat confining band on the frame slidable thereon to permit expansion of the frame, a spacing band on the

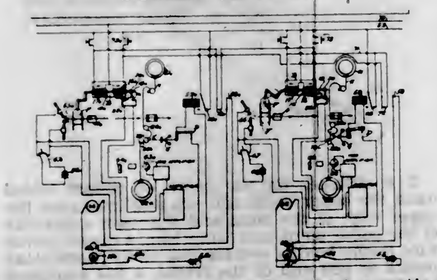
frame, and a second closed wire frame including a band at one end slidable on the first frame, and separable cloth engaging means in the second frame extending beyond the first frame.

2,494,186
SHEET FEEDING MECHANISM
Joseph Magnusson, Wollaston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Original application September 13, 1945, Serial No. 615,973. Divided and this application June 4, 1947, Serial No. 752,465
11 Claims. (Cl. 271—32)



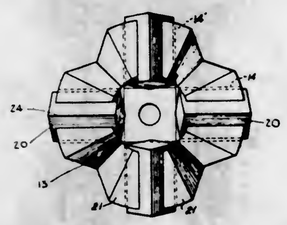
1. In a labeling machine, in combination, labeling mechanism including a magazine for supporting a substantially vertical stack of labels, a reciprocal suction pad adapted to engage said stack and withdraw the lowermost label in the stack on its retracting stroke, the pad, in its upward stroke, moving upwardly a sufficient distance to raise the entire stack in the magazine, means operable in timed relation to said pad to engage the sides of the stack when in its raised position to hold the major portion thereof in its elevated position during the retracting stroke of the pad whereby to relieve the lowermost labels in the magazine from the weight of the stack during said retracting stroke.

2,494,187
AUTOMATIC FIRE AND CHANGE-OVER DOWSER
Lloyd Mannon, San Francisco, Calif.
Application May 7, 1946, Serial No. 667,984
2 Claims. (Cl. 88—17)



1. In a device of the type described, a motion picture projector having a film movable therethrough, a source of light for projecting light rays through the film, a source of electric current for the source of light and including a switch, a light shield, a solenoid for closing the light shield, a film-actuated safety device, electric means controlled by the safety device for energizing the solenoid and closing the light shield, said means being connected to the light circuit for making said means active when the light source is connected to its current source, whereby the light shield is closed whenever the light source is connected to its current source and the film is not moving through the projector in a safe and normal manner.

2,494,188
DETACHABLE ROCK DRILL BIT WITH REPLACEABLE CUTTERS
Juan M. Meaney, Monclova, Mexico
Application October 17, 1945, Serial No. 622,813
1 Claim. (Cl. 255—64)

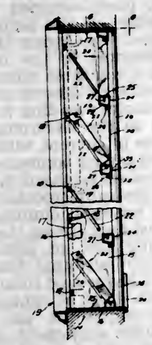


A drill head comprising a chuck body having a central longitudinal bore, a portion of said bore being threaded, a pair of diametrical cross ways in said chuck body and extending from side to side of the chuck body, said cross ways intersecting each other at right angles thereto with the center of the intersection coinciding with the axis of said longitudinal bore, clamp claws comprising a part of said chuck body and overhanging said cross ways from opposite side walls thereof, a first cutter holder having a groove therein slidably mounted in one of said cross ways, a second cutter holder supported by and positioned in the groove of the said first cutter holder and slidably mounted in the other of said cross ways, a plurality of bits of substantially square cross section and having the edges thereof forming cutting portions, each said cutting holder having a plurality of seats for supporting said bits, each said seat and pair of clamping claws adjacent thereto adapted to slidably receive a bit to present a cutting edge beyond the clamping jaws, and a threaded stem screw threaded into said longitudinal bore and having a head portion adapted to contact said first cutter holder whereby rotation of said stem in one direction will cause said head portion to force said cutter holders, bits and clamping claws together to form a rigid cutting structure, and whereby rotation of said stem in a reverse direction will loosen said cutting structure to permit said bit to be removed and reinserted to selectively present one of its cutting edges for cutting action.

2,494,189
VENTILATOR TYPE WINDOW STRUCTURE
Lewis A. Meyers, Fort Worth, Tex.
Application October 23, 1944, Serial No. 559,928
2 Claims. (Cl. 189—69)

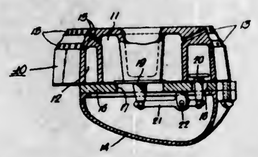
1. In a window construction of the class described, a rectangular framework adapted to fit

into a window opening, said framework embodying top, bottom, and vertical frame members and further including a plurality of vertically aligned horizontally arranged cross-members mounted between the vertical members of the framework adjacent the normally outer edge of said framework, said cross-members being of hollow quadrilateral form in cross-section having inturned flanges on their bottom sides forming L-shaped weatherstrips, the top walls of the respective cross-members being provided with centrally arranged longitudinal slots, the outer ends of said slots terminating inwardly of the outer transverse end portions of the respective cross-members, a plurality of windows, each mounted between coacting pairs of said cross-members, each window



including a pane and surrounding marginal frame, the marginal frame having a weatherstrip to overlap and interlock with an adjacent one of the aforementioned L-shaped weatherstrips, said marginal frame being provided with depending flanges, said flanges being detachably and hingedly mounted in adjacent coacting slots, the vertical members of the framework being provided with outwardly and downwardly inclined supporting rests for the windows, the outside marginal dimensions of the frames on said windows being such in relation to the dimensions of the framework that said windows are permitted to be swung to open positions against said supporting rests while still remaining wholly within the marginal confines of the framework.

2,494,190
MULTIPLE GAS BURNER WITH PRESSURE-GOVERNED VALVES
Henry S. Minster, Rosemont, Pa., assignor to Roberts & Mander Corporation, a corporation of Delaware
Application December 4, 1945, Serial No. 632,623
6 Claims. (Cl. 158—105)

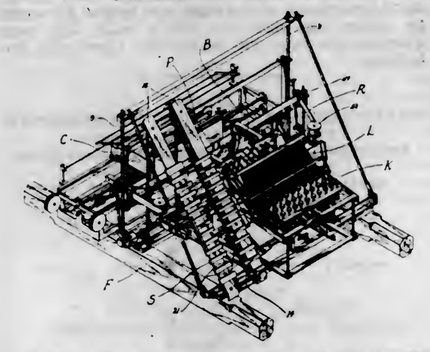


1. In a double-duty gas burner, a pair of burner chambers, a single tube to supply both said chambers with a combustible mixture, one of said chambers being normally in communication with said tube and means controlled by pressure in said tube for establishing communication between said tube and the second chamber and terminating communication between the first chamber and the tube.

2,494,191
STARCH DEGRADATION PROCESS
Salomon Neumann, London, England
No Drawing. Application June 14, 1945, Serial No. 599,521. In Great Britain June 28, 1944
3 Claims. (Cl. 127—33)

1. In a process for the manufacture of degradation products of starch by subjecting a material containing unswollen starch in the presence of up to 25% by weight of water to heating between 100 and 200° C., the step of effecting the heating by means of dielectric heating at high frequency between the plates of a condenser.

2,494,192
MUSIC PRINTING OR TYPEWRITING MACHINE
James Murray Parker, Glenbuntly, Victoria, Australia
Application September 13, 1946, Serial No. 696,805
In Australia October 23, 1945
5 Claims. (Cl. 197—8)

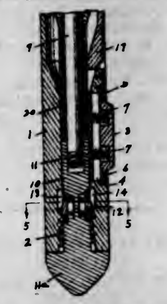


1. In a music writing machine, a platen for supporting paper to be written upon, and means for vertically adjusting the platen into predetermined positions including a scale or indicator device having upstanding laterally spaced bars providing a continuous pathway between them, the adjacent or inner faces of the bars having staggered horizontal slots spaced apart in conformity with the lines and the intervening spaces of a musical stave, a lever adapted to be moved with a swinging motion lengthwise through said pathway and having capacity for limited sidewise movement into any of said slots, and operative connections for translating said swinging motion of the lever into vertical movement of said platen.

2,494,193
INSIDE PIPE CUTTER
Robert D. Patrick, Jr., Bellaire, Tex.
Application June 30, 1947, Serial No. 758,134
2 Claims. (Cl. 164—0.7)

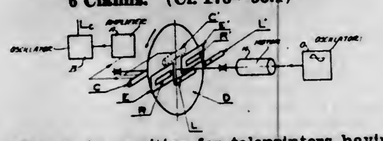
1. An inside pipe cutter adapted to cut by rotation and comprising, a body, a stem longitudinally moveable through the body to upper and lower positions, interconnecting means on the stem and body, said stem being rotatable relative to the body when in its upper position, friction members on the body adapted to frictionally engage the pipe to hold the body stationary, a pipe engaging jaw mounted on the body, an

expander in the body moveable, upon release of the connecting means, into contact with said jaw to move the jaw outwardly into engagement with the pipe to anchor the tool, a blade anchor supported on and rotatable relative to the expander, a blade pivoted to the blade anchor,



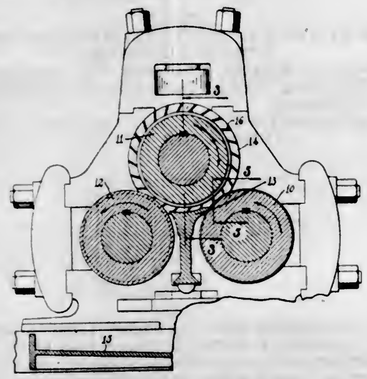
means on the stem arranged to contact the inner side of the blade and to move the blade outwardly into cutting relation with the pipe upon downward movement of the stem and means arranged to cause the blade to rotate with the stem whereby the pipe will be severed upon such rotation.

2,494,194
TELEGRAPHIC MEASURING TRANSMITTER
Pierre Pellé, Arcueil, France
Application March 21, 1946, Serial No. 655,969
In France February 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 14, 1965
6 Claims. (Cl. 178—53.1)



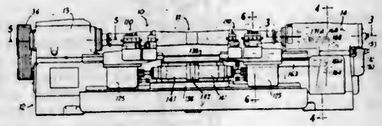
6. Electric transmitter for teleprinters having a light scanning assembly comprising in the scanning assembly a disc, means for rotating the disc at uniform speed, the disc being provided with six arcuate apertures, each located in one of seven sectors of uniform size, which completely cover the area of the disc, each of the arcuate apertures being curved on a radius different from that of the other apertures, a screen in opposition to a face of the disc, the screen being provided with an elongated slot in a position to be intersected successively by the arcuate apertures during the rotation of the disc, a source of light adapted to emit a beam through said slot, a photoelectric cell in the path of said beam of light, an amplifier in the circuit of the photoelectric cell, a rocking device associated with the amplifier, a plurality of electromagnets, an equal plurality of obturators for portions of the slot of the screen intersected successively by said apertures and under control of said electromagnets to free or obstruct respectively the portions of the slot, means for selectively energizing the electromagnets, whereby, depending upon the selection of the electromagnets in each revolution of the disc signals of different character are produced by the photoelectric cell in the rocking device, a second screen facing the scanning disc and provided with a slot in diametrical alinement with the slot of the first mentioned screen, a second source of light in front of said second screen, a second photoelectric cell in the path of the light passing through said second slot, the two photoelectric cells being connected in parallel, one of the arcuate apertures of the scanning disc being provided with arcuate tongue projecting from a stepped end of the aperture into the area of the aperture and extending from said stepped end at different radial distances relatively to the disc, the tongues being radially spaced equal distances from each other, a supplementary screen displaceable radially relatively to the disc and parallel to the slot in the second screen, the supplementary screen having an opening of a width equal to the uniform spacing between said tongues, and electromagnetically operated mechanism controlled by the scanning disc for intermittently displacing the supplementary screen at a predetermined point of time, with each revolution of the scanning disc, the means for selectively energizing the electromagnets for the obturators of the first mentioned screen comprising a rotatable commutator, a plurality of sets of contact elements arranged on the commutator, conductors leading from the sets of contact elements to the electromagnets respectively, and a source of current with which groups of contacts in each set are connected, the electromagnetically operated mechanism for intermittently displacing the supplementary screen comprising a second rotary commutator associated with said supplementary screen, the second rotary commutator having sets of contact elements, brushes successively engaging the contact elements in the sets of the second rotary commutator and connected with a set of contact elements of the first rotary commutator, an electromagnet effecting intermittent movement of said second rotary commutator, and said last named electromagnet being connected with an electromagnet effecting intermittent advance of the supplementary screen and being also connected with the first named rotary commutator and with the electromagnets controlling the movements of the obturators for the first mentioned screen of the scanning disc.

2,494,195
CANE MILL
Francisco Tormes Penton, Central Florida, Florida, Cuba, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut
Application October 24, 1945, Serial No. 624,118
9 Claims. (Cl. 100—47)



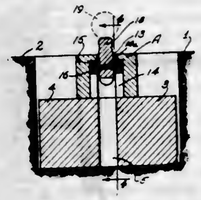
1. A cane mill having a top roll and two lower rolls, the top roll having end flanges overlapping the bodies of the lower rolls, each of said end flanges having a series of juice-draining grooves therein at the inner face thereof.

2,494,196
LATHE
Juventino Jose Pesqueira, New York, N. Y., assignor to Morey Machinery Co., Inc., New York, N. Y., a corporation
Application November 13, 1945, Serial No. 627,985
11 Claims. (Cl. 82—2)



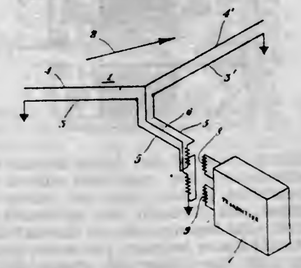
1. In a lathe, a headstock, driving means on the headstock adapted to engage one end of a work piece, a tailstock, a rotary quill on the tailstock adapted to engage the opposite end of the work piece, a pair of tool holders, a slide mounted on the lathe, between said tool holders, a pair of symmetrical cylinders on said slide, pistons in said cylinders connected to said tool holders, means to support said slide for movement lengthwise of the lathe, and means interconnecting said slide to said quill to cause said slide to move half the length of movement of said quill upon moving the latter, and means to move said quill.

2,494,197
PRACTICE GOLF TEE
Angle W. Powell, Sr., San Antonio, Tex.
Application January 31, 1947, Serial No. 725,412
3 Claims. (Cl. 273—33)



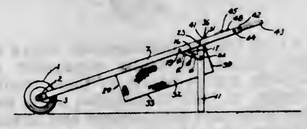
1. A practice golf tee comprising an elongated block adapted to be supported in horizontal position at ground level and having an elongated slot through the center portion thereof, said block also having a pair of grooves disposed at respectively opposite sides of said slot, a circular wheel disposed in said slot and having means for supporting a golf ball above said block, a compressible bushing of resilient material in each of said grooves, and an axle extending through said wheel and received at its opposite ends in said resilient bushings respectively, said bushings frictionally engaging the sides of said grooves to hold said wheel at various positions of adjustment relative to said block and frictionally engaging said axle to resist rotation of said wheel.

2,494,198
ANTENNA SYSTEM
Klaas Posthumus, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 24, 1946, Serial No. 664,495
In the Netherlands October 2, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 2, 1962
6 Claims. (Cl. 250—33.51)



1. An antenna system comprising first and second radiating conductors juxtaposed in parallel relation and having respective lengths substantially equal to a whole multiple of the operating wave-length of the antenna system, said first conductor being divided at the midpoint thereof to provide input terminals thereto, said first conductor being directly grounded at both extremes thereof, and a transmission line for feeding said conductors and formed by three parallel wires, the outer wires of said line being connected to said input terminals and the intermediate wire of said line being connected to the midpoint of said second conductor.

2,494,199
FOLDING WHEELBARROW
Anthony Provitola and Anna T. Provitola, Brooklyn, N. Y.
Application March 19, 1947, Serial No. 735,750
2 Claims. (Cl. 280—36)

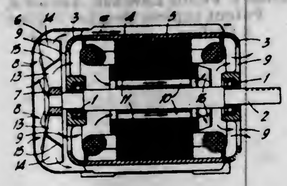


1. In a wheelbarrow having a wheel and receiver and handle bars disposed substantially alongside said receiver, axle means for said wheel and means swingingly securing said axle means to said handle bars, said handle bars being hollow, and legs swingingly secured to said handle bars to contain said legs when not in use.

2,494,200
ELECTRIC MACHINE
Nils Allan Ramqvist, Harnosand, Sweden
Application January 17, 1947, Serial No. 722,600
In Sweden February 12, 1946
2 Claims. (Cl. 171—252)

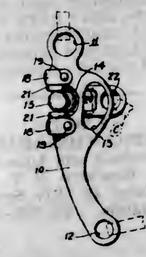
1. In an electric machine having a rotor and a stator disposed within a housing which has end plates provided with bearings for the rotor shaft and with ventilating openings, the combination of an air moving device mounted externally of one of said end plates on the associated end of

said rotor shaft, an apertured cover plate enclosing such air moving device and secured to said housing in circumferentially spaced relation thereto, ventilating ducts extending through said rotor, such air moving device comprising vanes and baffle means combined with the same so as provide separate groups thereof, a portion of said baffle means lies in the plane of rotation, and the



remaining portion of the baffle means extends diagonally toward the rotational axis from said first mentioned portion, the one group of the vanes draws air through the apertures of the cover plate and impels such air through the circumferential space between the cover plate and housing, and the other of which draws air through the apertures of the cover plates and impels such air through the rotor ducts.

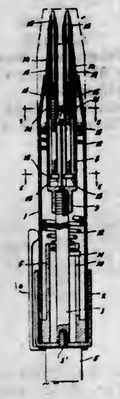
2,494,201
CURB BIT
Fredrick A. Ray, Reseda, Calif.
Application May 20, 1947, Serial No. 749,134
6 Claims. (Cl. 54—7)



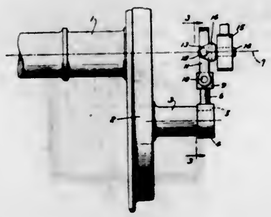
1. In a curb bit, the combination with a mouthpiece and shanks pivotally connected thereto which shanks are provided in their front edges with notches, of curb suspension arms pivotally associated with said mouthpiece and shanks and with the ends of said mouthpiece and arms disposed within the notches in said shanks.

2,494,202
RETRACTABLE POLYPOINTED WRITING UTENSIL
Henry M. Rem, New York, N. Y.
Application June 9, 1948, Serial No. 31,939
1 Claim. (Cl. 120—14.1)

A device of the character described comprising an inner barrel into which are extended a plurality of tubular internally threaded members that are rotatably arranged beside each other, a threaded spindle being screwed into each tubular member and having at its lower extremity a head whose periphery is grooved, an upright rail being secured to the bottom of said inner barrel and being in slidable engagement with a peripheral groove in the head of each spindle, an outer barrel in which said inner barrel is slidable, and means for moving said inner barrel relative to said outer barrel, leads of different colors being slidably extended into said tubular members.



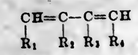
2,494,203
DEVICE FOR TRANSMITTING ROTARY MOTION
Paul Rime-Bruneau, Paris, France, assignor to the Firm Societe d'Exploitation des Procedes Dabeg, Paris, France
Application July 7, 1945, Serial No. 603,720
In France June 25, 1941
Sections 1 and 11, Public Law 690, August 8, 1946
Patent expires June 25, 1961
1 Claim. (Cl. 74—69)



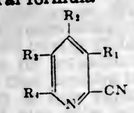
A device for transmitting a rotary movement from a locomotive driving axle to a part to be driven therefrom, comprising, in association with a locomotive driving wheel crank, a counter-crank arm adapted to be secured on a driving wheel crank and extending radially so that its axis intersects the axis of the driving wheel axle, a member longitudinally slidable on said arm and having a pair of lateral trunnions, a stirrup having two legs in which said trunnions are pivotally mounted, said stirrup having two extension pieces perpendicular to the axis of said arm, and a driven member having journals in which said extension pieces are mounted with freedom for rotation and sliding movement.

2,494,204
PREPARATION OF 2-CYANOPYRIDINES
Ivan Maxwell Robinson and George John Janz, McMasterville, Quebec, Canada, assignors to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application April 19, 1946, Serial No. 663,632. In Canada August 17, 1945
5 Claims. (Cl. 260—296)

4. A process which comprises reacting at a temperature from about 90° to 700° C. a gaseous mixture of cyanogen with a 1, 3-diene of the general formula



wherein R_1 and R_4 each represent a member of the group consisting of hydrogen and alkyl radicals containing not more than 2 carbon atoms and R_2 and R_3 each represent a member of the group consisting of hydrogen, chlorine and the methyl radical, and separating the reaction product of the general formula



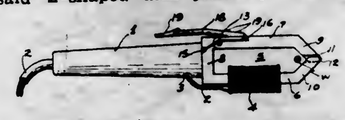
wherein R_1, R_2, R_3 and R_4 have the same significance as above defined.

2,494,205
NICKEL PLATING
Robert Horace Rogge, Evanston, Ill., and Edward Judson Roehl, Little Silver, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 5, 1946, Serial No. 639,426. In Canada September 6, 1945
3 Claims. (Cl. 204—49)

1. A process for electrodepositing nickel directly on zinc-base metal compositions which comprises establishing a bath having a temperature of about 100° F. and a pH within the range of about 5.3 to about 6.2, and containing tartrate ions in an amount equivalent to a tartaric acid concentration of about 30 to about 60 grams per liter, nickel ions and chloride ions in amounts equivalent to a nickel chloride concentration of about 20 to about 40 grams per liter, ammonium ions equivalent to the amount of ammonium hydroxide required to regulate the pH of said bath within said range, and the balance of the bath being essentially water, said bath being substantially devoid of sulfate ion, and electrodepositing nickel from said bath at a current density of about 10 to about 90 amperes per square foot upon a zinc-base metal composition, whereby a thick, ductile and adherent nickel plating substantially free from streaks is obtained.

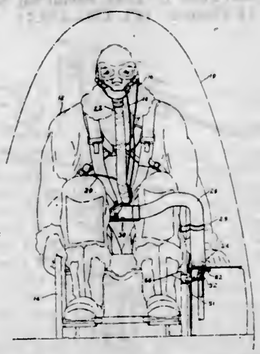
2,494,206
ELECTRICAL MEASURING INSTRUMENT
Wayne M. Ross, Wallace, Idaho
Application April 23, 1946, Serial No. 664,397
2 Claims. (Cl. 175—358)

1. A device for use in measuring a current flowing in a line conductor, said device comprising a longitudinally-elongated non-conductive handle, a reclining L-shaped magnetically permeable arm having the short leg thereof secured cross-wise to one end of said handle with the long leg of said arm projecting forwardly from said end of said handle, a second magnetically permeable arm arranged in parallel spaced relation with respect to the long leg of said L-shaped arm having one end pivoted to the adjacent end of the short leg of the latter L-shaped arm, the other end of said second arm and the adjacent end of the long leg of said L-shaped arm terminating in converging terminals arranged to engage to close the magnetic circuit comprising said arms, spring means operating between said second arm and the short leg of said L-shaped arm yieldably maintaining



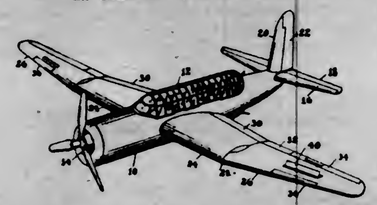
said second arm with its terminal in engagement with the terminal of the long leg of said L-shaped arm, a coil circumposed on the long leg of said L-shaped arm, and a lever secured to said second arm and extending rearwardly therefrom and arranged to be compressed toward said handle while said handle is held in the hand for pivoting said second arm laterally away from the long leg of said L-shaped arm against resistance of said spring means to enable placement of the line conductor between the arms.

2,494,207
SINGLE-ACTION SAFETY BELT DISCONNECT
Jerome R. Sabbia, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 4, 1948, Serial No. 42,442
9 Claims. (Cl. 244—122)



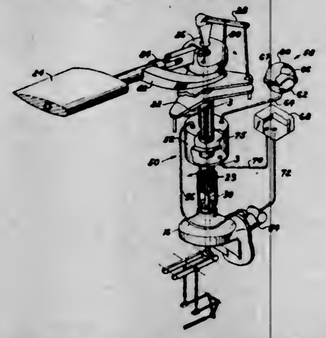
5. In an aircraft, a pilot's compartment, an ejectable pilot's seat adapted to be projected from said compartment, means for releasably securing a pilot in said seat, equipment adapted to be worn by a pilot in said seat, means including fluid and electrical supply lines connecting said equipment with sources of supply carried by the aircraft including flexible members, two releasable disconnecting means in said supply lines each including fittings, mechanism carried by the aircraft adjacent one of said disconnecting means including a member operative in response to the initial movement of said seat as the latter is projected from the compartment for positively disconnecting the fittings of said mechanism, and release mechanism carried by said pilot securing means adjacent the second of said disconnecting means including elements operated upon release of said pilot securing means for disconnecting the fittings of said release mechanism.

2,494,208
SURFACE CONTROL SYSTEM
Carl Schultz, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 22, 1945, Serial No. 595,136
12 Claims. (Cl. 244—90)



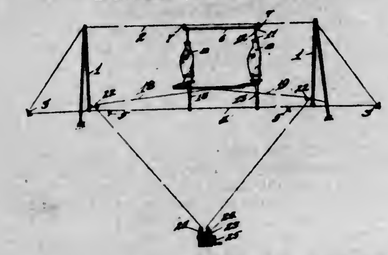
1. In an airplane having a control member, a wing having a flap, a slot, an aileron, and a lift spoiler, spoiler operating mechanism for raising said spoiler by lateral movement of said member, and a single operating element for simultaneously lowering said flap, dropping said aileron and opening said slot, and means controlled by said operating element and having operative connections to said spoiler operating mechanism and said element for conditioning said spoiler operating mechanism for operation by said member.

2,494,209
ROTOR SUPPORT
Igor I. Sikorsky, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 12, 1945, Serial No. 599,006
11 Claims. (Cl. 170—135.7)



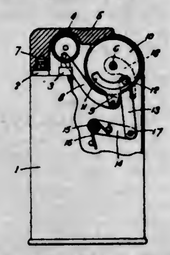
1. In a helicopter, a body, means for lifting and sustaining said body including an upstanding drive shaft mounted for floating movement in said body, a rotor hub on said shaft, a lift producing rotor blade mounted on said hub for movement about its pitch changing axis to vary the lift thereof, and means for controlling the floating movement of said shaft including means responsive to the floating movement of said shaft to vary the pitch of said blade, cooperating housing and piston elements having clearance therebetween for the restricted passage of fluid, one of said elements being movable with said shaft and the other being carried by said body, said elements having cooperating wall portions the configuration of which is such that the cross sectional area of said restricted passage increases as said shaft moves downwardly, and means for supplying fluid under pressure to said housing above said piston.

2,494,210
REVERSIBLE TARGET
Alvin W. Smith, Cincinnati, Ohio; John G. Robinson, administrator of said Alvin W. Smith, deceased, assignor to Emma L. Bauer, Cincinnati, Ohio
Application May 31, 1945, Serial No. 596,925
1 Claim. (Cl. 273—105.2)



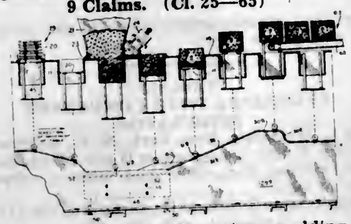
A movable target, comprising a trolley line and a guy line in parallelism with the trolley line and determinately spaced therefrom, a trolley transmittingly mounted on said trolley line, a target interposed between said trolley and guy lines having its upper end in flexible and detachable connection with said trolley, a stanchion at one end removably connected to the lower end of said target and its opposite end in swiveled, detachable and transmitting connection with said guy line and having a plurality of radial arms extended therefrom, one in plane with the target and the other extending respectively from each of the opposite face sides of the target, and a tackle for translating the target on said trolley and guy lines in alternate directions from a remote point, having a pair of lines extended therefrom each respectively having an end portion extending along the trolley and guy lines from relative opposite ends thereof and in connection with said arm in plane with the target and an arm extending from the face side of the target to translate the target and expose the face side to which it connects to a shooting point.

2,494,211
PYROPHORIC LIGHTER
Herbert Charles Humphrey Smyth, London, England
Application October 9, 1946, Serial No. 702,254
In Great Britain May 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 22, 1965
7 Claims. (Cl. 67—7.1)



1. In a pyrophoric lighter, a body, an ignitable wick, a pyrophoric element supported on said body, an abrasive wheel rotatably mounted on said body in rubbing contact with said pyrophoric element, a spring-actuated arm for effecting the rotation of said abrasive wheel, a coupling member mounted on said body between the abrasive wheel and said spring-actuated arm, means operatively connecting said abrasive wheel and said coupling member, a slot in said coupling member, a projection on said arm and reciprocable in said slot, means for moving said arm to space the said projection from an end wall of said slot, and spring means releasable when said projection is spaced from said end wall to move said arm and cause the projection to move freely to gain momentum before striking said end wall of said slot.

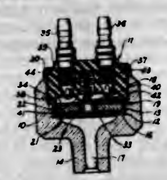
2,494,212
MOLDING MACHINE FOR MANUFACTURING BUILDING BLOCKS
James O. Spriggs and Frederick Harris, Washington, D. C.
Application July 22, 1947, Serial No. 762,640
9 Claims. (Cl. 25—65)



1. In an artificial building stone molding machine, a rotating turntable having a plurality of mold pockets formed therein, means operative during the circuit of said turntable for the insertion of a pallet in each of said mold pockets, hopper means located at a predetermined point in the circuit of said turntable operative to inject a suitable plastic mix into each of said mold pockets, vibrator means cooperatively associated with said hopper means for vibrating the mix in the mold pockets by way of the mix in the hopper, said vibrator means including a trowel plate, said trowel plate extending substantially parallel to the upper face of said turntable and operative to concurrently vibrate and trowel the mix in the mold pockets as the same pass thereunder, and means for discharging the finished molded product comprising a conveyor means situated at a predetermined point in the circuit of said turntable, a plurality of lift rods supported by a yoke member and entering the bottom of each of said mold pockets for supporting the pallet and plastic mix thereon, a cam track disposed beneath the turntable, a roller attached to said yoke member and adapted to ride on said cam track during the circuit of said turntable, said cam track being arranged to force said lift rods gradually upwardly in the mold pockets, whereby the pallet bearing the finished molded product is raised out of the mold pocket at the location of the conveyor means, and to thereafter lower the lift rods downwardly to deposit the pallet bearing the finished molded product on the conveyor means.

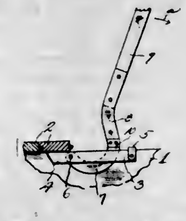
2,494,213
FLUID OPERATED SWITCH ASSEMBLY
Harcourt M. Sylvester and Edward I. Rusk, Rochester, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 27, 1946, Serial No. 650,628
5 Claims. (Cl. 200—83)

1. In a fluid operated switch assembly, a hollow casing having an opening in one end for connection to a source of fluid pressure, provided with a cylindrical recess for a switch assembly, and provided with a second recess smaller in diameter than the first mentioned recess, a gasket and a flexible diaphragm in the second mentioned recess, and an internal shoulder providing



a stepped portion between said recesses and completely within and integral with said casing and deformed to engage and fix the periphery of said diaphragm with respect to said casing and to hold said gasket within said second recess and in fluid tight relation between and with respect to said diaphragm and said casing.

2,494,214
WRECKING BAR
Peter Townill, Plainfield, Ill.; John Townill administrator of said Peter Townill, deceased
Application October 10, 1946, Serial No. 702,465
2 Claims. (Cl. 254—131)



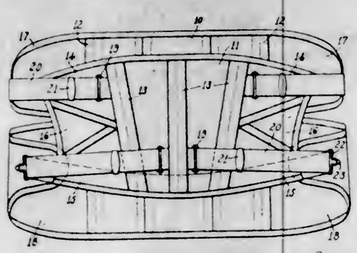
1. A wrecking bar comprising a rafter supported member, said member comprising spaced bars adapted to be positioned on opposite sides of a rafter in spaced relation thereto, the rear end of said bars being connected together by a transverse member adapted to arch the rafter, the forward ends of said bars being adapted to engage under a floor board on the rafter at opposite sides of the rafter, a lever, said lever having its lower end bifurcated thereby forming spaced arms between which the rafter is received, said lever curving downwardly, forwardly and upwardly and hingedly connected to the spaced bars adjacent their forward ends, said arms of the bifurcated lever being provided with stops means for engagement with the spaced bars and forming means whereby the forward ends of the spaced bars will be forced upwardly against the floor board upon a rearward and downward movement of the handle.

2,494,215
CHROMATE PRODUCTION
Marvin J. Udy, Niagara Falls, N. Y.
No Drawing. Application May 12, 1949, Serial No. 92,951
14 Claims. (Cl. 23—56)

1. A cyclic process for producing calcium chromate which comprises (1) reacting sodium nitrate and ammonium bicarbonate to produce sodium bicarbonate and ammonium nitrate, (2)

regenerating the ammonium bicarbonate by reacting the ammonium nitrate with calcium hydroxide with the production of ammonia and calcium nitrate and reacting the ammonia thus produced with carbon dioxide in an aqueous liquid, (3) producing calcium chromate and simultaneously regenerating the sodium nitrate by reacting chromic oxide with the sodium oxide of the sodium bicarbonate under oxidizing conditions to form sodium chromate and reacting the sodium chromate with calcium nitrate produced in regenerating the ammonium bicarbonate, (4) separating the calcium chromate from the regenerated sodium chloride, and (5) utilizing the regenerated sodium nitrate and the regenerated ammonium bicarbonate to regenerate sodium bicarbonate for use in the production of additional calcium chromate.

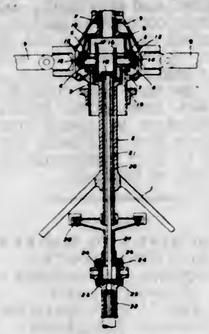
2,494,216
BELT
Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut
Application April 17, 1947, Serial No. 742,111
6 Claims. (Cl. 2—43)



1. A supporting garment or belt comprising a central front section having a plurality of spaced stiffening members therein extending generally vertically thereof, a plurality of tabs secured to the side edges of said section to extend laterally therefrom, a back section the lower portion of which is shaped to conform to the upper portion of the hips of the wearer, a series of tabs extending from each side edge of said back section, straps secured to the tabs of one section and removably secured to the tabs of the other section by a swivel connection, each of said straps being adjustable independently of the other so as to apply tension to one set of tabs independently of the other, one tab on each side of the back section being adapted to cover that portion of the body between the ribs and the hip portion of the wearer and said front section being of less height vertically than the back section.

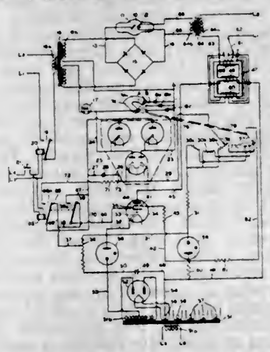
2,494,217
HELICOPTER
Kenneth Watson, Woolston, Southampton, England, assignor to The Cierva Autogiro Company Limited, London, England, a British company
Application December 12, 1947, Serial No. 791,329
In Great Britain October 25, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 25, 1966
13 Claims. (Cl. 170—135.75)

8. In an aircraft having a tiltably mounted sustaining rotor, rotor drive mechanism comprising in combination with a power shaft, a gear connected with the rotor and tiltable therewith, a pair of rotor drive shafts one of which incorporates a disconnectible clutch, gearing connecting said pair of shafts with said first gear, and



differential gearing connecting said pair of shafts with said power shaft.

2,494,218
STABILIZER WITH CONDENSER MODULATOR
Louis L. Weisglass, New York, N. Y., assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 3, 1947, Serial No. 758,877
7 Claims. (Cl. 250—97)



4. The combination of an X-ray tube provided with a heated filament, an energizing circuit for said tube, heating means for said filament, a control device for said heating means, a condenser connected to said energizing circuit so as to build up a peak voltage in said condenser in response to discharge current through said tube, and a modulator device having a control element in circuit with said condenser and varying with the peak voltage of the latter, said modulator device having a controlled element in circuit with said control device for decreasing and increasing the heating of said filament responsive to increase and decrease respectively of the peak voltage of said condenser.

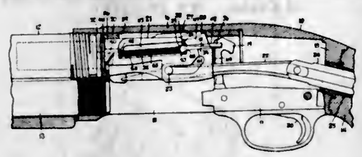
2,494,219
GASEOUS FUEL MIXTURE
Samuel H. White, Detroit, Mich.
Application August 15, 1946, Serial No. 690,819
7 Claims. (Cl. 62—1)

1. A device for supplying a continuous stream of substantially constant composition from a mixture of fluids having widely different vapor pressures and, in their liquid phases, having widely different specific gravities from a storage tank in which the fluids are confined under pressure, said device comprising a mixing unit in the top of the tank and connected with a discharge, and a pick-up tube connected to said mixing unit and extending to the bottom of the tank, said pick-up tube being open at the bottom to draw liquid having a lower vapor pressure and higher specific



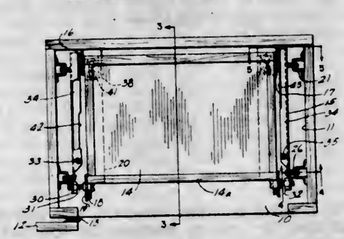
gravity, said mixing unit having a mixing chamber with a passage in communication with the pick-up tube and with an inlet in communication with the storage tank to admit vapor of a fluid having a higher vapor pressure and lower specific gravity, said inlet being inclined upwardly and inwardly and opening into said mixing chamber adjacent to said passage to direct an injection of high pressure vapor into fluid of lower vapor pressure supplied from said pick-up tube.

2,494,220
EJECTOR PIN AND BREECHBLOCK ASSEMBLY FOR FIREARMS
David M. Williams, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application October 4, 1947, Serial No. 777,944
4 Claims. (Cl. 42—25)



1. An ejector-and-breechblock assembly for firearms, including in combination: a breechblock having a substantially-vertical relief-recess intersecting the top and one side thereof, said relief-recess being formed intermediate the front and rear ends of said breechblock so as to provide a breechblock head-portion and a breechblock heel-portion, the said head- and heel-portions of said breechblock having longitudinal axially-aligned guideways therethrough; a flexible ejector-pin constructed and arranged to be mounted at its opposite ends in the respective guideways of the head- and heel-portions of said breechblock; and means to slidably retain said flexible ejector-pin therein comprising a shoulder on said ejector-pin arranged to engage the front wall of said breechblock heel-portion when said pin is in its normal unflexed position in said guideways and to disengage the said front wall when said pin is flexed outwardly and upwardly, thereby to permit said pin to be removed rearwardly out of said guideways, resilient means mounted in the relief-recess of said breechblock and arranged normally to resiliently hold the shoulder of said pin against the said front wall of said breechblock-heel, and a shank-portion at the rear end of said ejector-pin arranged normally to seat in the guideway of said breechblock-heel and to be withdrawn from the said guideway by flexing said pin outwardly and upwardly.

2,494,221
ROLLING SHELF
John Wojakowski, Chicago, Ill.
Application February 18, 1946, Serial No. 648,347
11 Claims. (Cl. 45—77)

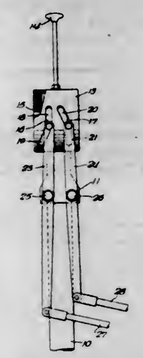


8. A rolling installation for a shelf between the side walls of a cupboard or the like, comprising a pair of channel tracks alongside the shelf and having facing hollows, frontal rolling supports for the shelf, rear rollers carried by the latter and operable in said hollows, such rear rollers having rim flanges at their inner ends serving as stops in respect to the edges of the track flanges, the upper track flanges being narrower than the lower ones along the rear portions of the tracks to form clearances for said rim flanges when the shelf travels in the rear part of the cupboard and rests with its rear rollers on the lower track flanges, and the lower track flanges being narrower than the upper ones along the frontal portions of the tracks to form clearances for said rim flanges when the shelf travels out of the front of the cupboard with an overhang beyond said frontal rolling supports and urges said rear rollers against the upper track flanges.

2,494,222
POWER TRANSMISSION
Adolph Zwald, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application July 24, 1945, Serial No. 606,834
2 Claims. (Cl. 74—473)

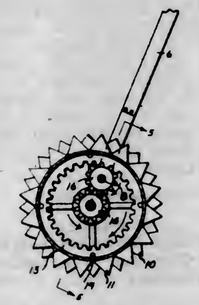
1. In a two speed power transmission for driving winch drums and the like, low and high speed shifter yokes for changing the driving ratio of the transmission, each of said shifter yokes having driving and neutral positions, levers connected with said yokes, links operatively connected with said levers, a stationary bracket remote from said transmission, a pair of shifting levers pivotally mounted on said bracket and connected with said respective links, cam followers on said shifting levers, a cylindrical shifter quadrant mounted for limited rotation on said bracket, cam slots for said followers in said quadrant, each slot having one end portion disposed in a plane perpendicular to the rotational axis of the quadrant to hold its shifting lever stationary in neutral position and an opposite end portion angularly disposed to

move its shifting lever, the angular ends of the two slots being oppositely directed around the quadrant to move only one shifting lever at a time when the quadrant is rotated and said slots being relatively positioned to hold both shifting



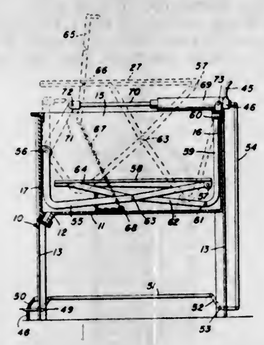
levers in neutral position when the cam followers are engaged in central portions of the slots, a handle for rotating said quadrant, and a resilient indexing device on the quadrant to hold central and end portions of the slots engaged with said followers.

2,494,223
LAWN EDGE CUTTER
Hyman Abrons, Hollywood, Calif.
Application February 27, 1947, Serial No. 731,338
1 Claim. (Cl. 56—256)



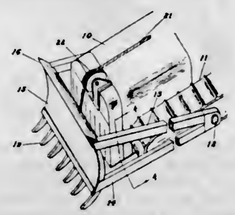
In a lawn edge trimmer having a handle, a yoke carried by the handle, a spindle journalled in the yoke and a non-rotary housing on the spindle, the improvement comprising a power wheel rotatable with the spindle, a cutter rigid with the wheel, a cutter loose on the spindle and both cutters being located outwardly of the non-rotary housing, a drive pinion fixed to the spindle within the housing, a stud bolt carried by the yoke parallel with the spindle and extending into the housing, an idler pinion on the stud bolt within the housing in mesh with the drive pinion on the spindle, an internal ring gear on the cutter loose on the spindle in mesh with the idler pinion so that upon forward motion of the power wheel the cutters will revolve in opposite directions.

2,494,224
TESTING VAT ELEVATOR
Robert E. Benson, Wichita Falls, Tex.
Application July 23, 1947, Serial No. 762,968
5 Claims. (Cl. 187—18)



1. An elevator of the class described for a tank or otherwise, a pair of crossed levers, one of said levers constituting a cantilever having an upwardly extending end pivotally mounted, the other lever being pivotally connected to the first lever in crossed relation relative thereto, means pivotally supporting the lower end of the second lever, the upper end of the second lever being tapered and beveled, a platform pivotally connected at the free end of the first lever and extending over the upper end of the second lever for slidable movement of said latter end with respect to the platform, whereby when the levers are raised and lowered, the platform will remain in a horizontal position.

2,494,225
SCARIFYING BULLDOZER
William J. Blake, Sandy, Oreg.
Application March 29, 1948, Serial No. 17,657
1 Claim. (Cl. 37—145)



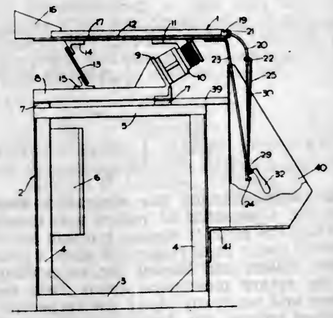
An earth working implement consisting of an arcuate elongated blade having parallel arms at the outer ends thereof, extending rearwardly from the convex side of the blade, a V-shaped cutting blade mounted along one edge of said arcuate blade, a V-shaped blade edge mounted along the opposite edge of said arcuate blade, a plurality of scarifying teeth curved to conform to the back of said curved blade and secured along the width thereof, extending beyond the blade edge and pivotal supports for the rearmost ends of said arms occupying a plane passing through the axis of blade curvature and through the middle of the blade width.

2,494,226
PESSARY
Fred M. Bley, Chicago, Ill., assignor to David E. Yeoman and Florence Yeoman, St. Charles, Ill.
Application August 7, 1946, Serial No. 688,824
2 Claims. (Cl. 128—131)



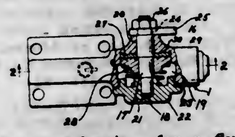
1. As an improved article of manufacture, a pessary, comprising a helically wound filament of flexible material forming the wall of a hollow body member, having a flaring base and having at its other end a bulged portion terminating in a substantially conical end portion, a centrally apertured dished disc formed with curled ears at and around the aperture in the disc, the end coil at the other end of the body member extending through an aperture in said disc to the convex side thereof and being clenched over by said ears, and a second centrally apertured dished disc covering said end coil and ears, with its marginal edge secured to the first mentioned disc.

2,494,227
MEANS FOR STRINGING SPRINGS AND THE LIKE
John F. Campbell, Cuyahoga Falls, and Herbert E. Riggs, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application February 1, 1946, Serial No. 644,706
3 Claims. (Cl. 214—8)



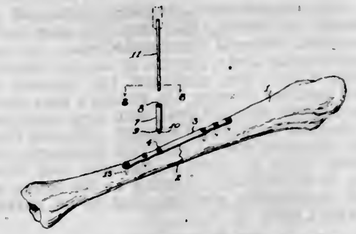
2. Apparatus for stringing a plurality of substantially identical short helical spring elements in stacked and ordered relation comprising a supply bin, a plate having a plurality of spaced generally parallel grooves, said plate being supported in inclined relation with the supply bin at the uppermost end thereof, an abutment adjacent the lower end of the plate, a plurality of spaced generally parallel tubes extending through the abutment, said tubes being disposed in registration with the grooves in the plate, a plurality of collecting spindles each of which is arranged in the registration with an end of one of the tubes, and a support for the spindles which enables the disengagement thereof from the apparatus.

2,494,228
VALVE CONSTRUCTION
Carl Ingve Cederholm, South Worthington, Mass.
Application November 8, 1945, Serial No. 627,436
2 Claims. (Cl. 251—132)



1. Operating mechanism for a fluid pressure control valve which comprises a casing, a substantially cylindrical chamber formed in the casing, said chamber being open at one end, the inner wall of said chamber being formed with an axial opening, a valve operating shaft extending through said opening, said opening forming a bearing for said shaft, the inner wall of said chamber being recessed around said opening, a cap member threaded into and closing the open end of the chamber, a seat formed in the inner face of the cap member and providing a bearing for the inner end of said shaft, an annular flat sealing disc fitted in said recess, a flange fixed to said shaft and fitting in said recess with its outer face engaging said disc, the inner face of said flange being exposed to the fluid pressure in the casing to compress said sealing disc radially between the peripheral edge of said recess and the operating shaft as well as axially between the flange and the casing wall, an arm extending from said flange at right angles to said shaft, a valve actuating plunger reciprocably mounted in the casing for movement at right angles to the shaft, the free end of said arm making a lost motion engagement with said plunger, and spring actuated means engaging said arm adjacent its free end to normally maintain said arm in valve closing engagement with said plunger.

2,494,229
BONE SURGERY
John G. Collison, Greensboro, N. C.
Application July 8, 1946, Serial No. 681,934
5 Claims. (Cl. 128—92)



1. In bone surgery, a surgical bone screw, said screw having a threaded portion and a cylindrical pilot portion, said cylindrical pilot portion adapted to fit snugly in a hole drilled in the bone cortex, and one or more recesses or pockets provided in said screw and extending from a point in the pilot portion to a point in the threaded portion to provide a self-tapping screw and to receive the bone chips.

3. In bone surgery, a surgical bone screw, said screw made of metal suitable for bone surgery, a cruciate head on said screw, said screw comprising a threaded portion and a cylindrical pilot portion, said pilot portion adapted to fit snugly in a cylindrical hole drilled in the bone cortex, and one or more recesses or pockets provided in

the screw and extending from a point in the pilot portion to a point in the threaded portion to provide a self-tapping screw and to receive the bone chips.

2,494,230
SWIVEL BASE
Walter Virgil Critchfield, St. Albans, W. Va.
Application May 5, 1947, Serial No. 746,171
1 Claim. (Cl. 287—91)



In a device of the character described, the combination of a tool having a chamfered recess in the lower surface of the base thereof, said recess having parallel sides extending to one edge thereof, the inner ends of the parallel sides of the recess terminating in a semi-circular portion, a supporting base having a circular chamfered boss rising therefrom, and fitting in the chamfered recesses of the tool base, a slide member having a chamfered semi-circular end portion co-acting with said boss rising from the stationary base and slidable between said parallel sides of said recesses of the tool base, an upstanding flange formed along the front edge of the slide member engaging the base, said flange having openings registering with openings in the tool base, and bolts extending through the registering openings securing the slide against movement and in frictional contact with the chamfered boss of the stationary base.

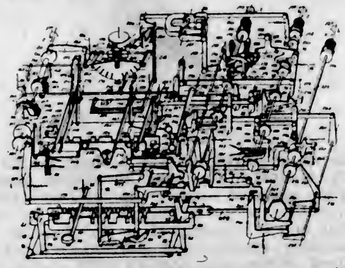
2,494,231
SAXOPHONE MOUTHPIECE
Allen P. Dunn, Phoenix, Ariz.
Application March 14, 1945, Serial No. 582,702
2 Claims. (Cl. 84—383)



1. A mouthpiece for saxophones provided with a passage extending therethrough and having an enlarged rear end adapted to receive the neck of a saxophone and a portion of smaller diameter forming a rear tone chamber, the opposite end of said passage forming the forward tone chamber and being smaller than said first mentioned tone chamber at the end thereof, adjacent thereto, the opposite end of said last mentioned tone chamber being of greater diameter and terminating in an entrance opening at the under side of the mouthpiece and adapted to be partially closed by a reed.

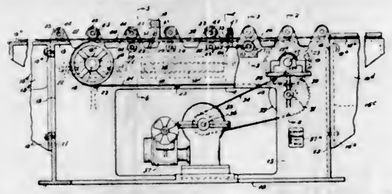
2,494,232
TELEGRAPHIC APPARATUS OF THE STARTING-STOPPING TYPE
Jean Estoup, otherwise known as Henri Estoup, Soeaux, France, assignor to Societe D'Applications Generales D'Electricite et de Mecanique "Sagem," Paris, France, a corporation of France
Application October 18, 1946, Serial No. 704,080
In France March 13, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 13, 1965
15 Claims. (Cl. 178—23)

1. Transmitting telegraphic apparatus of the start-stop type comprising, in combination, a keyboard manipulator, selector members adapted to be actuated by the keys of the manipulator, recording elements adapted to be set by the selector members, transmitting polarity contacts, a transfer mechanism adapted to set the polarity contacts according to the recording elements setting, a non-regulated shaft, a cam actuated by said shaft for driving the transfer mechanism,



a rotary transmission distributor mechanism, a controlled shaft adapted to drive the transmission distributor, a centrifugal regulator adapted to brake the rotation speed of the controlled shaft, and a single electric motor rotating at a speed higher than that of the controlled shaft and driving the non-regulated shaft through non-sliding couplings and the controlled shaft through a constant-friction slipping coupling.

2,494,233
MACHINE FOR FACILITATING CHANGES IN ARRANGEMENT OF STRIPS OR CARDS ON PAGE CARD FILES
Henry H. Feldstein, Cleveland, Ohio, and Marc J. Feldstein, Arlington, Va.
Application May 1, 1946, Serial No. 666,344
26 Claims. (Cl. 40—64)



1. An apparatus of the character specified comprising a plurality of rollers and means for supporting the same in spaced relation for rotary movement about their respective axes, a plurality of other rollers and means for supporting the same for rotary movement about their respective axes and vertically above the respective first mentioned rollers, the lower rollers comprising means for supporting for movement between the upper and lower rollers a plurality of page card files each comprising a base having its sides provided with inwardly projecting flanges overhanging the base and spaced therefrom and having data-bearing strips or cards inserted beneath said flanges and extending transversely across said base, and the upper rollers being so spaced from their respective lower rollers as to engage the said flanges, controllable means for moving the page card files between the upper and the lower rollers with the top of a succeeding page card file constituting an extension of the bottom of the next preceding page card file, a plow mounted for vertical movement toward and from a page card file therebeneath and adapted to be

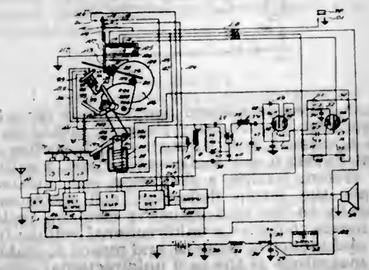
brought into close proximity to the upper surface of the base of said page card file and between the flanges thereof, thereby to engage the side of a card or strip on said surface.

2,494,234
CARTON
William P. Frankenstein, Cincinnati, Ohio
Original application August 20, 1945, Serial No. 611,566. Divided and this application November 29, 1946, Serial No. 712,877
15 Claims. (Cl. 229—34)



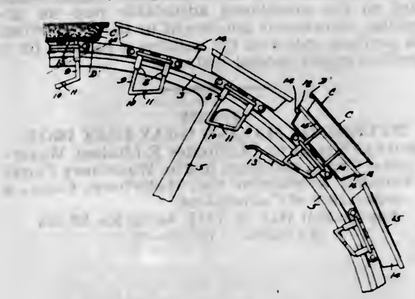
1. In a carton of the class described formed from a single blank comprising a base member, side walls each formed from an extension from opposite edges of the base and each having for a portion of its height a generally rectangular tubular cross section including an outer, top, inner and bottom wall member hingedly connected to one another through a glue flap hingedly projecting from the bottom wall member and attached to one of said inner and outer wall members, said wall member carrying the glue flap being integrally hingedly connected to the edge of the base member, said inner and outer wall members each having a portion thereof extending above the top wall member to form shoulders intermediate the height of the side walls, end walls formed from extensions from the remaining edges of the base member each including an inner and an outer wall member, corner pieces adapted to be folded on themselves and connecting the adjacent ends of the side walls outer members and the end walls outer members and embraced by the said end walls inner and outer wall members, and means for locking the walls in erected positions.

2,494,235
STOP-ON-SIGNAL RADIO APPARATUS
Olgierd Gierwiatowski, Oak Park, Ill., assignor to Edward F. Andrews, Chicago, Ill.
Application November 1, 1946, Serial No. 707,132
19 Claims. (Cl. 250—40)



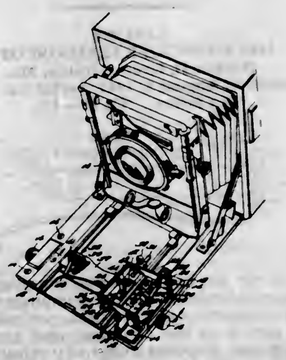
1. Stop-on-signal radio apparatus having movable nonlinear band spread tuning means, power means tending to accelerate said tuning means beyond a desired low speed for moving said tuning means; and means including variable mechanical advantage transmission means driven by said power means, and movement restraining means driven by said transmission means; for varying and retarding the speed of movement of said tuning means to retard the speed of tuning to a greater extent where the band spread is least and to retard the speed of tuning to a substantially lesser extent where the band spread is greater.

2,494,236
PIE-MAKING MACHINE
Jacob M. Goldstein, Wilkes-Barre, Pa.
Application September 4, 1945, Serial No. 614,192
2 Claims. (Cl. 107—1)



1. In a conveyor construction for a pie making machine an endless, sprocket driven conveyor chain; bottomless pans fixedly mounted thereupon; pairs of guides secured to the sides of links of said chain; a yoke slidably mounted in each pair of guides; a flat plate comprising a bottom for each pan secured to each yoke; and fixed cams disposed adjacent said conveyor chain, and respectively engaging the yokes for slidably shifting said yokes within their guides for raising and lowering of the pan bottoms relative to the pans.

2,494,237
FOCUSING CONTROL STOP FOR CAMERAS
Bernard A. Golkoski, Washington, D. C.
Application May 15, 1946, Serial No. 669,753
3 Claims. (Cl. 95—46)



1. In a camera of the bellows focusing type and wherein the focusing thereof is accomplished by the backward and forward movement of the camera track riding in guide rails, a footage scale

mounted on the guide rails, a footage scale mounted on the track and readable against the first scale for determining focal or distance-setting, aligned stops individually readable against the footage scales and adjustable lengthwise of the guide rails, a stop adjustable lengthwise of the camera track and cooperable with the first mentioned stops for arresting an adjustment movement of said track in either direction when its position at one end of its movement indicates the camera is focused for a predetermined long distance and its position at the other end of its movement indicates the camera is focused for a predetermined short distance, and co-acting means intermediate the mentioned aligned stops and on the mentioned adjustable stop for arresting adjustment movement of the track when its position indicates the camera is focused for a predetermined medial distance.

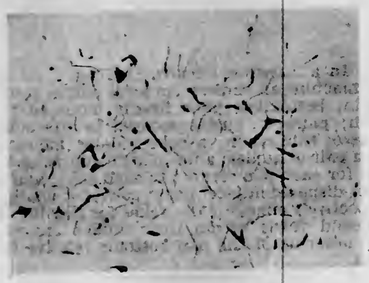
2,494,238

METHOD OF MAKING GRAY CAST IRON

Henry C. Griggs and Laurence J. Litallen, Waterbury, Conn., assignors to The Waterbury Farrel Foundry & Machine Co., Waterbury, Conn., a corporation of Connecticut

Application May 26, 1948, Serial No. 29,355

3 Claims. (Cl. 75—53)



3. The process of making gray cast iron of improved physical and mechanical properties which comprises introducing into a molten mass of iron a small percentage of copper fluoride before the cast iron is poured.

2,494,239

MECHANICAL KALEIDOSCOPE

Harlow B. Grow, Linden, Mo.

Application August 2, 1947, Serial No. 765,723

7 Claims. (Cl. 88—15)



1. A viewer for kaleidoscopes, comprising a triangular, substantially closed air chamber with oppositely disposed air apertures, objects to be viewed placed in the chamber, and air-flow-inducing means disposed externally relative to the viewer for agitating such objects within the chamber from without the latter without imparting any kind of movement to either the viewer or any other part of the kaleidoscope containing or connected with the viewer.

2,494,240

DYESTUFFS OF THE ANTHRAQUINONE SERIES

Ernst Gutzwiller, Basel, Switzerland, assignor to Sandoz Ltd., Basel, Switzerland, a Swiss firm

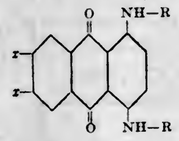
No Drawing. Application March 18, 1947, Serial No. 735,544. In Switzerland September 30, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires September 30, 1963

4 Claims. (Cl. 260—374)

3. An anthraquinone dyestuff of the formula



wherein X stands for a member selected from the group consisting of chlorine and bromine, and wherein R is a univalent radical selected from the group consisting of 1-(ar-sulfo,5,6,7,8-terahydro)-naphthyl, 2-(ar-sulfo,5,6,7,8-tetrahydro)-naphthyl, 1-(4-sulfophenoxy)-phenyl, 1-(4-sulfophenyl)-phenyl and 1-(4-cyclohexyl)-sulfophenyl, the R radicals being identical.

2,494,241

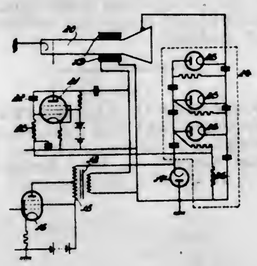
CIRCUIT ARRANGEMENT PRODUCING A DIRECT VOLTAGE FOR SUPPLYING A CATHODE-RAY TUBE

Johan Haantjes and Bernardus Willem van Ingen Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 14, 1947, Serial No. 741,340

In the Netherlands April 17, 1946

6 Claims. (Cl. 315—27)



1. A voltage stabilized power supply for a load comprising an inductive element, means to effect a current flow through said inductive element having a saw tooth wave shape, a cathode ray system having a deflection coil, means to couple the latter deflection coil electromagnetically to the said inductive element, rectifying means to derive a unidirectional voltage from the said inductive element, and means to stabilize the magnitude of the said unidirectional voltage, said latter means comprising a reactive element coupled to the deflection coil of the said cathode ray system and means connected to said load to vary the value of said reactive element in accordance with changes in the said unidirectional voltage.

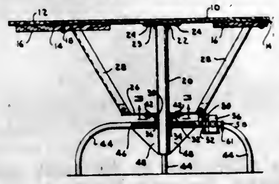
2,494,242

ADJUSTABLE ROTARY TABLE

John N. Hardy, Coldwater, Mich., assignor to Roto-Cast Foundry Equipment, Inc., Coldwater, Mich., a corporation of Michigan

Application February 5, 1948, Serial No. 6,465

2 Claims. (Cl. 311—32)



1. In a rotary table assembly having a pedestal and a table supported and journaled thereon, leveling means comprising a supporting plate secured to the table and freely surrounding the pedestal below the table, a bearing bracket journaled on the pedestal below said supporting plate, said supporting plate and bearing bracket having cooperating crossing slots for adjusting the table relative to the pedestal, and clamping means adjustable bi-dimensionally along said cooperating adjusting slots provided for clamping said bracket and plate together in their adjusted position.

2,494,243

PRESSURE RIBBON-TYPE GAS BURNER

Louis D. Houlis, Cincinnati, Ohio

Application July 31, 1944, Serial No. 547,320

7 Claims. (Cl. 158—114)



1. A gas burner comprising an elongated burner tube, closed at one end and adapted to be supplied through its other end with a gaseous fuel mixture, under pressure; a closed distributing duct formed along the top side of the tube and there being a succession of ports opening from the tube into the duct at intervals therealong to supply fuel thereinto; said duct having a horizontal top wall and there being a row of closely placed fuel discharge ports from the duct centrally of said wall and throughout its length and a cover plate overlying the tube and ports therein and defining a succession of laterally opening fuel channels that are supplied with fuel from said ports.

2,494,244

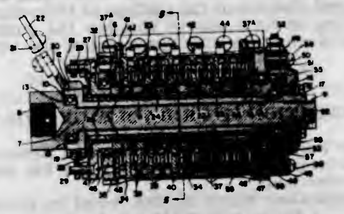
COMMUTATOR-CONNECTOR

Howard A. Jonard and Marvin H. Polsin, Akron, Ohio, assignors to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware

Application March 18, 1948, Serial No. 15,526

12 Claims. (Cl. 171—322)

1. In electro-conductive test apparatus, the combination of a rotating member from which electrical test data is to be withdrawn, a shaft member on which said rotating member is positioned, a stationary instrument member, and a connector device for accurately transmitting electrical current from the rotating member to the stationary instrument member, said device including a shaft adapted to be associated with said shaft member, a rotor tube positioned in telescoped engagement with said shaft, means journaling said rotor tube on said shaft, a plurality of conductive disks, a plurality of insulating spacers associated with said disks to space them from each other and to position them on said rotor tube to form a unit therewith, said insulating spacers having axially directed apertures therein, a rotor terminal ring engaged with one portion of said rotor tube, connector means extending through the apertures in said insulating spacers and connecting said rotor terminal ring to the individual members of said rotor disks positioned on said rotor tube, terminal means carried by said rotor terminal ring for transmitting current to and from the connector device to said rotating member, a plurality of stator rings one of which is positioned adjacent the margins of each of said rotor disks, a plurality of insulating spacer rings positioned intermediate said stator rings and forming therewith an enclosed chamber for each of said rotor disks, said chambers being relatively narrow and being of relatively long radial length in a plane perpendicular to said rotor tube, each of the chambers formed by said stator rings being provided with a pool of mercury into which said rotor disks extend, terminal means associated with said stator rings for connecting to said stationary instrument member, and means for securing said stator rings to said shaft for positioning them stationarily with relation thereto.



2,494,245

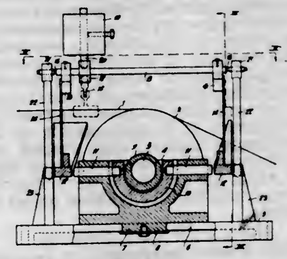
WIRE GUIDE FOR PAPERMAKING MACHINES

Karl Arvid Karlsson, Skapafors, Sweden

Application April 8, 1946, Serial No. 660,357

In Sweden April 13, 1945

6 Claims. (Cl. 74—241)



1. A wire guide for paper making machines comprising in combination, a roll over which the wire travels, a shaft for said roll, an adjustable bearing for one end of said shaft, a frame having a guideway for said bearing extending in the longitudinal direction of the wire, and a mechanism for shifting the position of said adjustable bearing in said guideway to cause the roll to neutralize an undesired side movement of the wire on the roll, said mechanism comprising elements carried by the adjustable bearing for reciprocating in the direction of its guideway

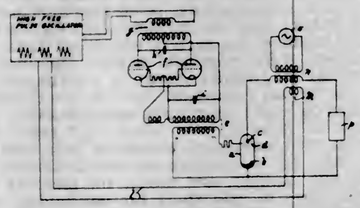
within a predetermined range of movement with relation to the bearing, means operable by the shaft of the guide roll to reciprocate said elements as a unit within said range upon rotation of the shaft, means mounted in said frame to move as a unit in paths traversing those of said reciprocating elements in order to afford stop members therefor so as to thereby control the position of the range of movement of said elements with respect to the frame, and means in said frame operable by the wire in response to side movement thereof for shifting the position of said stop members with a resulting shifting of the range of movement of the reciprocable elements of the bearing with relation to the frame and a consequent shifting of the position of the adjustable bearing in its guideway to allow the guide roll to neutralize the slide movement of the wire.

2,494,246

GENERATION OF GRID VOLTAGES FOR THE GRIDS OF CONVERTERS

Hans Keller, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland

Application March 20, 1946, Serial No. 655,690
In Switzerland March 28, 1945
3 Claims. (Cl. 315—352)



1. In an electric discharge device of the type including anode and cathode elements and a grid therebetween to which ignition and blocking voltage pulses are applied, means for producing said pulses, said pulse producing means comprising, means generating spaced high frequency voltage pulses having a steep wave front, the duration of said pulses and the spacing therebetween being synchronized respectively with the blocking and ignition periods of the discharge device, rectifier means converting said pulses to substantially rectangular pulses, a transformer, connections between the primary of said transformer and the output of said rectifier means, and circuit means connecting the secondary of said transformer across the grid and cathode elements of said discharge device to thereby supply to the grid correspondingly spaced and shaped negative blocking pulses during the periods in which the rectified pulses are applied to the primary of said transformer, and positive ignition pulses between such periods.

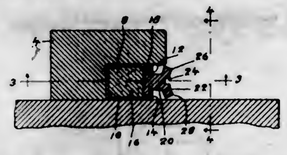
2,494,247

WEATHER STRIP FOR DOORS

Arthur R. Kinish, Highland Park, Mich., assignor to Perfect Seal Manufacturing Company, Incorporated, Highland Park, Mich., a corporation of Michigan

Application May 27, 1947, Serial No. 750,734
1 Claim. (Cl. 20—68)

The combination with a recessed door stop, of a rectangular shaped housing having a longitudinal slot in its outer face forming opposed inturned parallel flanges, a rectangular shaped strip of resilient material in said housing spaced from the outer face of said housing, a flanged sealing strip, T-shaped in cross section, having an inner plane flange positioned in said housing inwardly of said slot and an outer concave flange positioned outwardly of the slot in the outer face of said housing, said strip being movable with relation to said housing with the limit of its



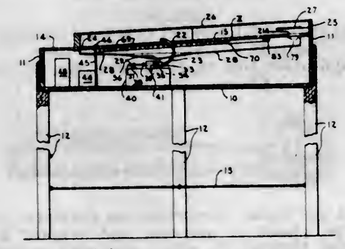
movement determined by the inner and outer flanges thereof, the outer flange of said sealing strip having a longitudinal recess at the center of its concavity and said outer flange adapted to assume a flattened condition under door pressure and movable under contact of a closing door to compress the filler and seal the door.

2,494,248

ELECTRICALLY CONTROLLED BASEBALL GAME

Eugene P. Koppin, Belleville, Mich.

Application December 4, 1947, Serial No. 789,631
3 Claims. (Cl. 273—89)



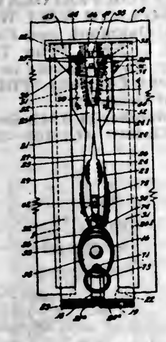
1. In a baseball game adapted for competitive play by a pair of players and utilizing a ball adapted to roll over a simulated playing field, the combination of a playing board marked to simulate a baseball diamond, a batting mechanism controlled by one player and adapted to bat said ball along the playing field, a pitching mechanism controlled by the other player and adapted to direct the ball toward said batting mechanism, and means controlled by the pair of players for selectively actuating said batting and pitching mechanisms, said playing field being inclined toward the pitching mechanism to return a ball from its position on said board to said pitching mechanism after said ball has been batted by said batting mechanism, said board having baselines marked on the playing field, a plurality of electric base line lights linearly arranged along said base lines, an electric commutator adapted for reversible operation and operatively connected electrically with said plurality of base line lights for progressively illuminating the latter, and means controlled by the players for regulating the speed and direction of operation of said commutator to simulate the advance or retreat of a runner along said base line, said playing field being provided with a plurality of openings adapted to pass the ball through said board, and having an inclined basin provided below said playing field to return said ball to the pitching position within said pitching mechanism, and a defensive player light positioned at each of the bases of said playing field and means for simulating a defensive play at any one of said bases and including a defensive electric control circuit for selectively illuminating said defensive player lights, and an electric control means at said initial pitching position and operatively connected with said defensive control circuit to prevent operation of the latter until the return of said balls to said initial pitching position.

2,494,249

SEALING CLOSURE

Carroll P. Krupp, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application September 1, 1944, Serial No. 552,304
19 Claims. (Cl. 24—205.1)



1. A sealing closure for an aperture in a wall having an exposed sealing surface, said closure comprising an enclosure structure positionable in overlying relation with said aperture at said surface for closing the aperture and including a marginal portion of resilient rubber-like material tapering to an edge for sealing against said surface by lip-action of said edge, and retaining means for holding said structure at said surface in separable sealing relation therewith, said means including an element pivotally mounted on said structure and anchored with respect to said surface for permitting swinging movement of said structure relative to said surface for opening the aperture.

2,494,250

STAY-PUT ADJUSTABLE SCARF

Rudolph W. Loven, Philadelphia, Pa.

Application January 10, 1947, Serial No. 721,311
1 Claim. (Cl. 2—91)



A neck scarf comprising a length of cloth material, adapted to encircle the wearer's neck, and cover his throat, said material having a plurality of relatively spaced inwardly tapered notches along the longitudinal outer edge thereof at each end thereof adjacent the free ends, said notches being spaced at the outer end so that they are adapted to be interlocked with each other whereby the material is held in adjusted position about the neck, and a reinforcing tab having notches of similar shape and spaced to coincide with the notches in the scarf secured in any suitable manner to the rear of the scarf at each end thereof so that the notches in the tab are in alinement with the notches of the scarf at each end thereof whereby the area surrounding the notches is reinforced for better retention of the scarf about the neck.

2,494,251

MUSICAL INSTRUMENT

Jasper Karl Mason, Warner, N. H.

Application February 24, 1947, Serial No. 730,361
8 Claims. (Cl. 84—382)



1. A musical instrument of the character described, comprising a wind tube having a plurality of longitudinally spaced tone holes, a keyboard assembly mounted adjacent and parallel to one end of the tube and having a plurality of keys pivoted therein and spaced longitudinally of said tube, movable valves pivotally mounted on the tube for controlling the respective tone holes, and tracker mechanism extending longitudinally of the tube for operation of a corresponding valve upon manual depression of a selected key irrespective of the distance between said valve and key, said tracker mechanism comprising longitudinally slidable rods extending parallel to said tube along one side thereof, and means connecting the several rods to their respective several keys and to their corresponding valves.

2,494,252

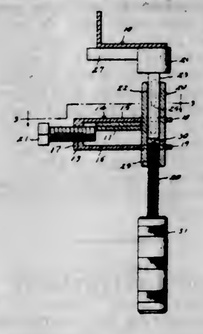
SPRING SHACKLE TOOL

Herbert A. Mearns and John G. Nelson, Elkins, W. Va.

Application March 3, 1947, Serial No. 731,944
2 Claims. (Cl. 29—230)

1. A spring shackle tool, comprising a U-shaped clamping member adapted to be disposed with the legs thereof positioned on opposite sides of a spring, a pressure applying bolt threaded through the connecting portion of said clamping member, an eye carried by the free end of each leg of said member, an abutment element loosely engaging through said eyes, a vehicle frame en-

gaging member slidably carried by said abutment element, and threaded adjusting means for



said vehicle frame engaging member carried by said abutment element.

2,494,253
HYDROPHENANTHRENE COMPOUNDS AND PROCESS OF MAKING SAME
Karl Miescher, Riehen, and Jules Heer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application September 11, 1947, Serial No. 773,493. In Switzerland November 22, 1946
6 Claims. (Cl. 260—599)

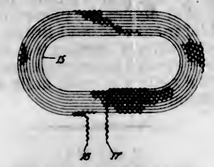
1. A hydrophenanthrene compound which contains in 2-position a member of the group consisting of CHO, CH_2OH, acetal, thioacetal and CH_2O.acyl groups, and in the 1- and 2-positions hydrocarbon radicals.

2,494,254
SUBSTITUTED HYDROFLUORENE CARBOXYLIC ACIDS
Karl Miescher, Riehen, and Georg Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application September 11, 1947, Serial No. 773,494. In Switzerland December 20, 1946
4 Claims. (Cl. 260—469)

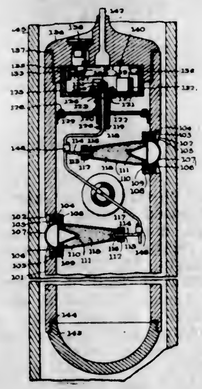
1. A hydrofluorene containing a lower alkyl radical in each of the 1- and 2-positions, a member selected from the group consisting of the carboxylic acid and carboxylic acid ester groups with lower alkanols in the 2-position, and a member selected from the group consisting of phenolic hydroxyl, lower alkoxy and lower acyloxy in 7-position.

2,494,255
LOOP ANTENNA
Raymond A. Morris and Frank A. Iverson, Chicago, Ill., assignors to Edwin I. Guthman & Co., Inc., Chicago, Ill., a corporation of Illinois
Application December 20, 1945, Serial No. 636,240
4 Claims. (Cl. 250—33.67)

1. A loop antenna comprising a plurality of turns of wire, said wire consisting of a conductor having insulating material wound around the wire to form a helix with the pitch of said helix being coarse enough to expose most of the wire surface to the atmosphere, adjacent wire turns being maintained in predetermined spaced relation by cement on said insulating material with the spacing between wire being controlled substantially solely by the thickness of the insulating material.



2,494,256
APPARATUS FOR PERFORATING WELL CASINGS AND WELL WALLS
Morris Muskat, Oakmont, and Floyd W. Parker and William L. Kehl, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application September 11, 1945, Serial No. 615,568
21 Claims. (Cl. 102—20)

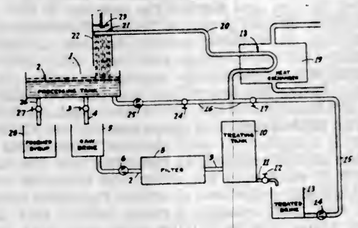


1. Apparatus for shooting holes in a well pipe or well wall comprising an explosive charge having a cavity facing the wall of the well, the length of said explosive charge being in the range 1½ to 3 times its diameter, means for supporting and positioning the charge with respect to the well wall and means for initiating the detonation of the explosive charge.

2,494,257
RECOVERY OF CHERRY JUICE OR SYRUP FROM CHERRY BRINE
Gordon B. Nickol, Cincinnati, Ohio, assignor to National Distillers Products Corp., a corporation of Virginia
No Drawing. Application July 14, 1948, Serial No. 38,738
3 Claims. (Cl. 99—155)

1. A method of processing the lime sulfur dioxide brine from barrelled cherries for the recovery of the flavor, sugar and organic acid constituents contained therein, which comprises treating said brine with solid, water-insoluble, hydrogen ion exchange material, thereby removing calcium ions and yielding free sulfur dioxide in said brine, and expelling said sulfur dioxide from the thus treated brine.

2,494,258
PROCESSING CHERRIES PRESERVED IN SULFUR DIOXIDE LIME BRINE
Gordon B. Nickol, Cincinnati, Ohio, assignor to National Distillers Products Corp., a corporation of Virginia
Application July 14, 1948, Serial No. 38,739
6 Claims. (Cl. 99—154)

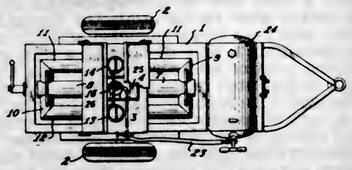


1. Method for the treatment of cherries preserved in sulfur dioxide and lime brine which comprises contacting said cherries with a sulfur dioxide and lime brine derived from preserving such cherries, which brine was treated with a hydrogen ion exchange material to remove calcium ions and yield sulfur dioxide in said brine, and progressively removing sulfur dioxide during said contacting.

2,494,259
FIBROUS GLASS ARTICLES
Martin Emery Nordberg, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application March 20, 1946, Serial No. 655,891
8 Claims. (Cl. 106—50)

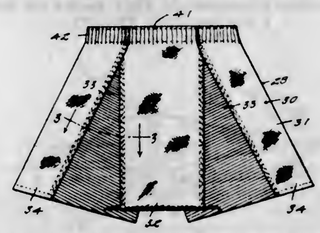
3. An article comprising glass fibres which have a diameter less than .001 inch and which consists essentially of at least 88% SiO_2, the indicated amount of at least one glass flux selected from the group consisting of up to 1% alkali metal oxide and up to 4% B_2O_3, and at least one additional glass-forming oxide in the indicated amount selected from the class consisting of up to 10% BeO, up to 10% MgO, up to 10% CaO, up to 10% ZnO, up to 10% SrO, up to 10% CdO, up to 10% BaO, up to 4% Al_2O_3, up to 12% TiO_2, up to 12% ZrO_2 and up to 12% ThO_2, the fibres being porous.

2,494,260
IMMERSION HEATER FOR BITUMINOUS MATERIALS AND THE LIKE
Charles W. Osmond, Cincinnati, Ohio, assignor to Littleford Bros. Inc., Cincinnati, Ohio, a corporation of Ohio
Application April 22, 1948, Serial No. 22,554
12 Claims. (Cl. 126—360)



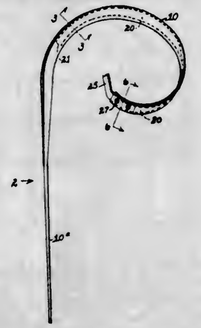
10. A melting kettle for bituminous material and the like including an open top material receiving receptacle and a removable immersion heating unit comprising a central cover portion adapted to be positioned on the top of the receptacle a distance from each end thereof, an open-topped housing attached to the cover, a longitudinal flue attached to and projecting from opposite sides of said housing adjacent the bottom thereof, cross flues attached to the ends of said longitudinal flues, parallel longitudinal flues extending from the ends of said cross flues toward said housing, and exhaust flue means connected with said parallel longitudinal flues adjacent said housing and extending upwardly in parallelism with said housing and through said cover.

2,494,261
UNDERGARMENT CONSTRUCTION
Frank C. Owenby, Marietta, Ga.
Original application April 15, 1948, Serial No. 21,101. Divided and this application September 17, 1948, Serial No. 49,811
3 Claims. (Cl. 2—224)



3. An undergarment comprising a front portion having integral outer rear panels extending therefrom, a central rear panel joined to said outer panels adjacent the top thereof, gussets formed of stretchable material disposed between said outer and central rear panels and joined thereto, and a forwardly extending crotch insert integral with said gussets joined to said front portion intermediate said outer rear panels and to the bottom edge of said central rear panel.

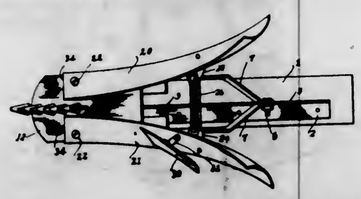
2,494,262
IMPERVIOUS SPRING-ENCLOSING BELT
Benjamin F. Pease, Jr., Grafton, Mass., assignor to Brewer & Company, Inc., Worcester, Mass., a corporattion of Massachusetts
Application March 19, 1947, Serial No. 735,749
1 Claim. (Cl. 2—338)



An improved spring-enclosing belt comprising a preformed flat tubular strip of flexible impervious plastic material having a correspondingly flat opening extending lengthwise therein and substantially therethrough, a strip of non-

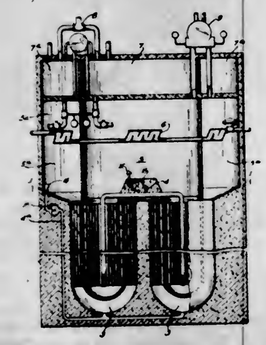
extensible tape positioned in said lengthwise opening and substantially coextensive in width with said opening, and a preformed elongated flat metal spring positioned in said lengthwise opening, one end of each of said tape, said spring and said tubular strip being firmly secured together at one end of said belt, said spring extending in said lengthwise opening alongside said tape for a portion only of the length of said tape and being free in said lengthwise opening, said tape extending freely in said belt opening to a point just short of the free end of said belt and the end portion of said tape being sealed in said belt adjacent said point, and the extreme free end of said belt being sealed.

2,494,263
VEGETATION CUTTER
Clark L. Roberts, Nampa, Idaho
Application December 14, 1945, Serial No. 635,070
6 Claims. (Cl. 37—171)



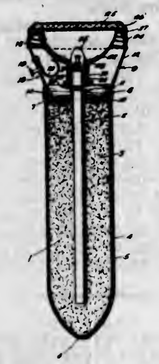
6. In a ditch cleaner, a landslide having a longitudinally extending reinforcing element including a vertically extending centrally arranged flange, a cutter supported for angular and longitudinal adjustment at the front end of said landslide, a pair of spaced mould boards pivoted for lateral adjustment to the upper face of said cutter, means for spacing said mould boards in predetermined relation at their rear end, and means pivotally connected to said spacing means and adjustably connected to said flange for supporting said mould boards at their rear ends.

2,494,264
PRESSURE ELECTROLYZER
Rexford C. Ryman, San Francisco, Calif.
Application April 26, 1947, Serial No. 744,168
4 Claims. (Cl. 204—239)



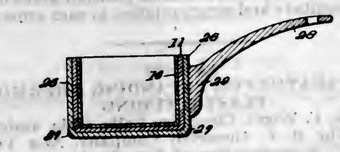
1. A pressure electrolyzer for water electrolysis and comprising in combination a plurality of cylindrical, electrolytic cells with spiral sheet electrodes, each in an upright position arranged side by side but electrically insulated from each other excepting the electrical connections by regular electrical conductors and all said cells located within the base of an electrically insulated, cylindrical, pressure resistant container, with each electrode of each electrolytic cell directly connected for gas and electrolyte passage to the upper region of said pressure resistant container to a common gas rinsing, cooling and gas collecting chamber for each respective gas, said pressure electrolyzer additionally equipped with water storage tanks located within the upper region of said pressure resistant container, each provided with an arrangement of pipes and valves whereby water is supplied to said storage tanks from an outside source and fed, as required, into the electrolyte of each said gas collecting chamber with said each gas collecting chamber equipped with a filter and inlet conduit located within and projected above the base, with each said inlet conduit connected for electrolyte circulation to an individual mechanical pump from which outlet conduits direct the circulation of said electrolyte to the base of each electrode for the return of said electrolyte through the electrodes to the said rinsing and cooling units accompanied by the nascent gases.

2,494,265
FLASHLIGHT
Yetta Samalion, Miami Beach, Fla.
Application July 10, 1946, Serial No. 682,701
1 Claim. (Cl. 240—10.61)



An electric flashlight comprising a cage, a reflector insulated from and carried by said cage, an insulated lamp socket attached to said reflector, a light bulb with a tip contact held by said socket, with its tip projected through the socket, said cage being threaded at each end, a cap containing a lens secured to a first of the threaded ends of said cage maintaining the reflector in insulated relationship with said cage, a replaceable handle comprising a battery cell having a central positive electrode and a composite cover consisting of two sheets, one formed of a conductive metal and the other of a metal adapted to form the negative electrode forming a unitary cell cover, said composite cover being threaded at one end and in engagement with the second end of the cage by means of the screw threads thereon, said central electrode thus being brought into contact with the projected tip contact of the light bulb, spring means encompassing said bulb within said socket and biasing said bulb maintaining said tip contact and said central electrode in engagement, and means secured to said cage selectively closing an electric circuit between said cage and said reflector.

2,494,266
COOKING UTENSIL AND METHOD
Angelo C. Scavullo, Forest Hills, N. Y., assignor to Victor K. Scavullo, Frank Scavullo, Charles Scavullo, Marie Scavullo Saegert, and Margaret Scavullo Scott, all of Forest Hills, N. Y.
Original application April 11, 1940, Serial No. 329,188. Divided and this application April 17, 1944, Serial No. 531,441
3 Claims. (Cl. 220—64)

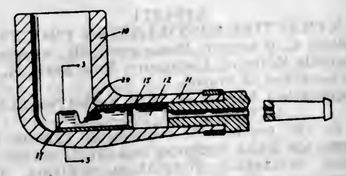


1. A culinary vessel whose bottom and sides have an inner layer of stainless steel, an intermediate layer of low carbon steel, and an outer layer of electrodeposited copper, said vessel having a handle of an alloy of copper, nickel and zinc in which copper is the main constituent but having a melting point substantially lower than that of copper, said handle being pressure welded to the outer copper layer of the vessel.

2,494,267
SURFACE HARDENING OF FERROUS METALS
Hermann I. Schlesinger and George W. Schaeffer, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application November 26, 1946, Serial No. 712,263
2 Claims. (Cl. 148—6.35)

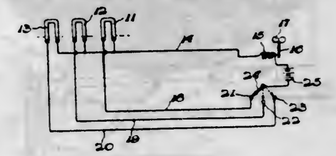
1. The method of producing a hardened surface on ferrous metal which consists in contacting the surface of said ferrous metal and heating it to about 700° C. with gaseous diborane at subatmospheric pressure of below 30 millimeters of mercury whereby metal boride is formed.

2,494,268
SMOKING PIPE
Thomas W. Slutz, Cleveland, Ohio, assignor to John M. Powers, Cleveland Heights, Ohio
Application October 2, 1946, Serial No. 700,705
3 Claims. (Cl. 131—210)



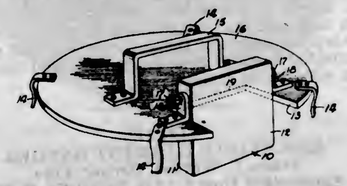
1. A pipe comprising a bowl and a stem, the stem being provided with a bore extending therethrough and terminating adjacent the bottom of the cavity in the bowl, a plate seated in the bottom of the bowl cavity and having an extension integral therewith and projecting into the bore in close fitting engagement with the wall of the bore, the width of the plate being larger than the diameter of the bore, and means carried by the extension for directing a substantial part of the gas volume onto the plate during the movement thereof from the bowl into the stem.

2,494,269
SAFETY DEVICE FOR VEHICLE BRAKES
Harry P. Sparkes, West Orange, N. J., assignor to Spar-Holl Manufacturing Company, Incorporated, Glassport, Pa., a corporation of Pennsylvania
Application October 1, 1946, Serial No. 700,470
2 Claims. (Cl. 177—311)



1. In a safety device for relatively heavy road vehicles, in combination with a brake band thereof, means for warning the driver that the brake has attained a predetermined temperature which includes at least two temperature responsive elements permanently embedded in the material of said brake band at different distances from the braking face thereof and each having provision for making electrical connection with an electrical circuit at the exterior of said band, a single electrical circuit connected to said elements and including switching means for severally connecting said elements into said circuit, each of said temperature responsive elements being constructed to cause a predetermined electrical current to flow in said circuit when said element attains a predetermined temperature, and an indicator in said circuit operable by said predetermined current to signal the presence of said predetermined temperature at the brake.

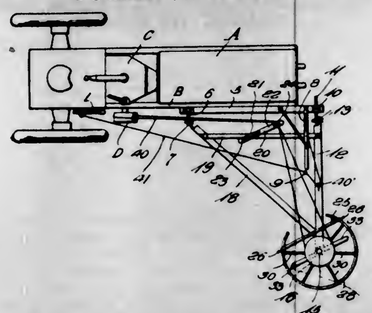
2,494,270
CRUCIBLE SKIMMER
Virgil H. Todd, Rockford, Ill.
Application August 11, 1945, Serial No. 610,297
7 Claims. (Cl. 22—83)



7. The combination of a plate for covering the open end of a crucible for containing molten metal, means on said plate adapted to interfit with the lip of the crucible and hold the plate in place when the crucible is tilted, said plate having a radially opening peripheral notch therein, a skimmer member projecting downwardly through said notch and spaced inwardly from the periphery of said plate, means suspending said member

from a point parallel to and disposed above said covering plate so that the member lies along a chord of the crucible and is swingable outwardly against the inner wall thereof in the initial tilting of the crucible and then swings inwardly away from such wall under the buoyancy of the molten metal engaging the free end of the member in the further tilting of the crucible, and a stop on said cover plate engageable with said member to limit said inward swinging to a position in which the member is disposed approximately normal to the cover plate.

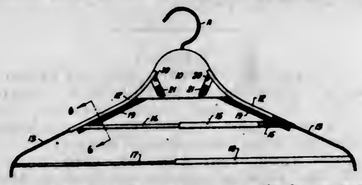
2,494,271
ROTARY WEED CUTTER
Ralph Turner and Lloyd Howell, Cornell, Ill.
Application December 10, 1948, Serial No. 64,662
4 Claims. (Cl. 56—25.4)



1. The combination with a tractor including power take-off means, an adjustable frame secured to the tractor, a stub-shaft journalled at the outer end of said frame, a universal joint secured to the lower end of the stub-shaft, an elongated shaft secured to the universal joint, a bearing sleeve on the lower portion of the shaft, a cutting blade removably secured to the lower end of the shaft in close proximity to the ground, a substantially semi-circular guard of greater diameter than the cutting blade surrounding the shaft at a point above the cutting blade, spokes securing the guard to the aforesaid bearing sleeve, a substantially inverted U-shaped cross-bar secured to the adjustable frame above said guard, arms pivotally connecting the guard to the cross-bar, power transmitting means connecting the aforesaid stub-shaft to the power take-off of the tractor, a control arm secured at its inner end to the adjustable frame with its outer end yieldingly bearing against said lower bearing sleeve, a brace bar connecting the control arm to the frame, a manually operated lever on the tractor adjacent the seat thereof, and means connected to said lever for raising and lowering said adjustable frame.

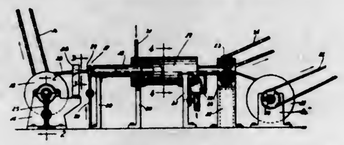
2,494,272
ADJUSTABLE GARMENT HANGER
James L. Whitsel, Denver, Colo.
Application June 9, 1948, Serial No. 31,970
5 Claims. (Cl. 223—89)

1. A garment hanger comprising a suitably-shaped head block formed with upwardly-converging, oppositely-concaved, side margins, hollow, longitudinally-slotted arms end-secured to said block side margins to diverge as straight lengths outwardly and downwardly therefrom with their slots in opposition, an extension member slidably accommodated within and for reciprocation longitudinally of each said arm, telescopic, length-variable strut units end-fixed adjacent the ends of and to bridge in spaced, parallel relation between said members with the ends of the inner said unit slidably engaging through



the arm slots, and means operatively engaging between said block and ends of the inner strut unit selectively actuatable to position and adjust said members and struts relative to said arms and block.

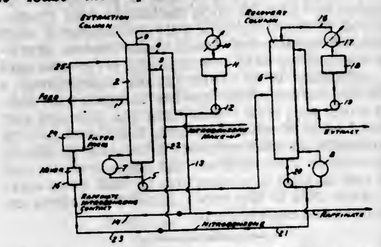
2,494,273
APPARATUS FOR EXPANDING THERMOPLASTIC TUBING
Voorhis F. Wigal, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 29, 1947, Serial No. 725,078
2 Claims. (Cl. 18—19)



1. Apparatus for expanding preformed hardened thermoplastic tubing to a metastable heat-shrinkable condition, said apparatus comprising a rotatable feed reel for holding a length of preformed hardened thermoplastic tubing, means associated with said feed reel for introducing fluid under pressure into said tubing, a heating means spaced from said feed reel adapted to permit passage of thermoplastic tubing therethrough and to raise the temperature of successive localized circumferential zones of unsoftened tubing passing therethrough above the softening point of the tubing, a generally cylindrical forming tube of substantially uniform cross-section having an inner diameter substantially greater than the outer diameter of the tubing to be expanded positioned contiguous to said heating means, cooling means for a circumferential portion of said forming tube adapted to rapidly cool softened tubing in contact with said forming tube, means for maintaining fluid pressure in tubing during passage through the heating means and forming tube, and means for continuously advancing tubing through said apparatus.

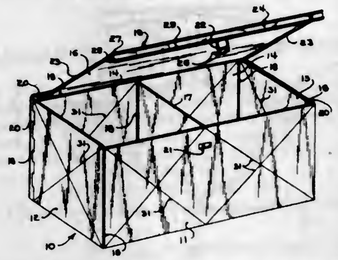
2,494,274
EXTRACTIVE DISTILLATION PROCESS
Rudolph C. Woerner, Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application August 31, 1948, Serial No. 47,044
3 Claims. (Cl. 202—39.5)

1. In the method of recovering xylenes from xylene-rich light hydrocarbon fractions by continuous extractive distillation utilizing nitrobenzene as a selective solvent, the improvement which consists of controlling polymer build-up in the circulating solvent by withdrawing recirculating solvent from the system, diluting it with at least an equal volume of non-aromatic



raffinate, removing precipitated solids, and returning the liquid mixture to the system.

2,494,275
COLLAPSIBLE CRATE
Harry A. Abbott, Little Neck, N. Y.
Application January 5, 1946, Serial No. 639,332
1 Claim. (Cl. 217—14)



A collapsible container having a back wall, a front wall, and two side walls hingeably mounted together, a bottom panel hingeably mounted on the back wall and positioned to rest on at least one support mounted on one of the front and side walls, a top cover hingeably mounted on the back wall and positioned to close the top of the container, and an inner panel mounted vertically and hingeably on the back wall, medially thereof, and adapted to extend substantially to the front wall, said walls, top, and panel being adapted to be folded in an integral condition, and means mounted on the cover for securing the container in a closed position and supporting the inner panel in position with respect to said front wall, said means comprising a two pronged hook positioned to project through and engage an opening located centrally in the front wall on both sides of the normal position of said inner panel when the cover is closed, said prongs of said pronged hook being positioned to engage opposite sides of said inner panel.

2,494,276
CERAMIC BATCH
Chester R. Austin, Columbus, Ohio, and Edwin J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware, and Ethyl Corporation, Detroit, Mich., a corporation of Delaware
Application November 16, 1944, Serial No. 563,665
1 Claim. (Cl. 106—63)

A batch for the production of a ceramic body, said batch comprising essentially a mixture of from 92.5 to 98.0 per cent of alumina, from 0.50 to 3.0 per cent of calcium oxide added as tri-calcium penta-aluminate, from 0.75 to 3.0 per



cent titanium dioxide, and sufficient silica to yield a total silica-plus-titanium-dioxide content of from 1.5 to 4.5 per cent.

2,494,277
CERAMIC BODY AND BATCH FOR MAKING SAME
Chester R. Austin, Columbus, Ohio, and Edwin J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware, and Ethyl Corporation, Detroit, Mich., a corporation of Delaware
Application November 16, 1944, Serial No. 563,666
3 Claims. (Cl. 106—63)



1. A batch for the production of a ceramic body, which contains about 88% alumina, about 10% tri-calcium penta-aluminate, between 1 to 2% silica, and about 1% boric acid.

2,494,278
HAT ATTACHED POSTURE INDICATOR
Peter Badovinac, Cleveland, Ohio
Application January 5, 1948, Serial No. 634
3 Claims. (Cl. 2—185)

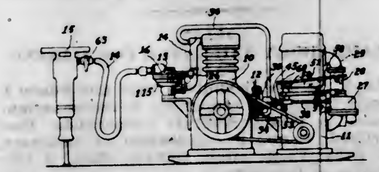
2. In a device for indicating correct posture, an elongated T-shaped casing having a hollow leg and hollow arms with longitudinally positioned

shoulders therein forming the under surfaces of the arms and having an open end, a roller having pins extending at the sides positioned between the shoulders with the pins positioned to roll on the said shoulders with the roller free, said



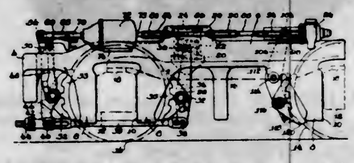
roller adapted to project through the open end of the casing with the casing sloping toward the said open end, and means for attaching the casing to a hat brim or the like whereby with the casing tilted toward the said open end the roller will engage the forehead of a wearer of the hat.

2,494,279
CONTROLLING DEVICE
Charles S. Baker, Corning, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 12, 1944, Serial No. 558,429
2 Claims. (Cl. 230—11)



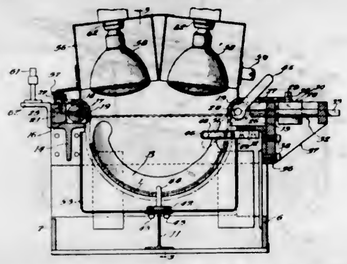
1. In a controlling device, the combination with a compressor, a motor for driving the compressor, a discharge conduit for said compressor, a speed regulator for the motor acting responsively to the pressure in said discharge conduit, a relief valve in said discharge conduit, of a guiding cylinder forming part of said conduit, a piston in said cylinder acting responsively to the flow of fluid in said conduit to close said relief valve, a stem connecting said piston with said relief valve, and a spring biasing said relief valve to its open position.

2,494,280
BRAKE
Walter H. Baselt, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 29, 1945, Serial No. 619,286
12 Claims. (Cl. 188—46)



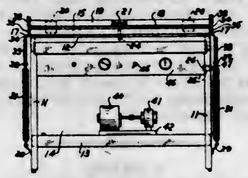
1. In a six-wheel railway car truck, a framework, wheel and axle assemblies, power means mounted adjacent the four corners of said framework, and clasp brake means for each wheel, each of said power means being operable to actuate the brake means at opposite sides of one wheel and at one side of an adjacent wheel, said brake means comprising interconnected live and dead truck levers at opposite sides of said first-mentioned wheel, a live cylinder lever having its inner end connected to said live lever and its outer end connected to said power means, a dead auxiliary lever connected at opposite ends thereof to said framework and to the dead truck lever associated with the second-mentioned wheel, yoke means operatively connecting said live cylinder lever and said dead auxiliary lever, said means comprising a pair of spaced members having inboard and outboard ends, pull rods connecting the inboard and outboard ends of said members, a pull rod having a connection to said cylinder lever and to one of said members intermediate the ends thereof, and a pull rod having a connection to said dead auxiliary lever and to the other of said members intermediate the ends thereof.

2,494,281
APPARATUS FOR BONDING BRAKE LININGS TO BRAKE SHOES
Clyde S. Batchelor, Upper Stepney, and Edward L. Carey, Bridgeport, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application May 13, 1948, Serial No. 26,810
7 Claims. (Cl. 154—1)



1. In a bonding device for adhesively uniting a friction lining to the rim of a brake shoe, hook shaped members to engage the inner face and medial portion of a brake shoe rim to permit pivotal movement of the brake shoe, and a flexible element to hold a friction lining in tight engagement against the outer face of the brake shoe rim.

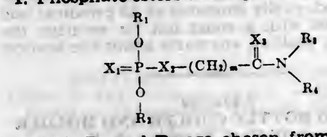
2,494,282
PHOTOGRAPHIC PRINTING FRAME
James T. Campbell, Detroit, Mich.
Application June 19, 1947, Serial No. 755,547
4 Claims. (Cl. 95—76)



1. In a vacuum printing frame, a housing, a normally horizontal blanket frame pivotally mounted thereon, a glass frame pivotally mounted upon said bracket frame, a center toggle link pivotally joined intermediate its ends to said blanket frame, an upper toggle link joined at one end to said glass frame and at its other end to the upper end of said center toggle link, a lower toggle link joined at one end to the other end of said center link, and resilient tension means anchored to said housing and joined to the other end of said lower link.

2,494,283
CARBAMYLALKYL PHOSPHATES AND METHOD OF PREPARATION
Jack T. Cassaday and Erick I. Hoegberg, Stamford, and Bruce D. Gleissner, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 4, 1948, Serial No. 6,348
13 Claims. (Cl. 260—461)

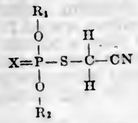
1. Phosphate esters of the general formula



in which R_1 and R_2 are chosen from the group consisting of alkyl, aralkyl, and aryl radicals, R_3 and R_4 are members of the group consisting of hydrogen, alkyl, hydroxyalkyl, aryl, and nitroaryl radicals, X_1, X_2, and X_3 are members of the group consisting of sulfur and oxygen, and m represents a small whole number.

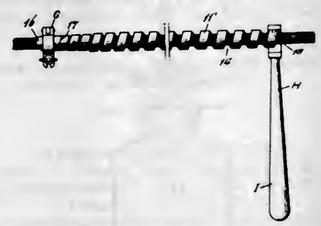
2,494,284
CYANOALKYL PHOSPHATES AND METHOD OF PREPARATION
Jack T. Cassaday and Erick I. Hoegberg, Stamford, and Bruce D. Gleissner, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 12, 1949, Serial No. 70,604
13 Claims. (Cl. 260—461)

1. Phosphate esters of the general formula



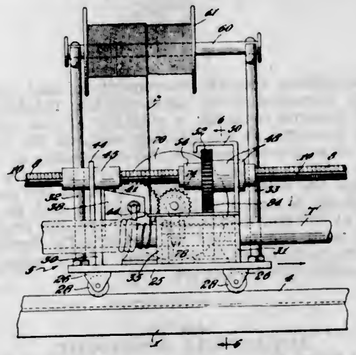
in which R_1 and R_2 are chosen from the group consisting of alkyl and aryl hydrocarbon radicals, and X is a member of the group consisting of sulfur and oxygen.

2,494,285
ARMOR FOR OVERHEAD CABLE MOUNTINGS
Jerome B. Clapp, North Plainfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application December 14, 1945, Serial No. 635,062
3 Claims. (Cl. 174—42)



1. A stock unit for use in armouring an electric cable, comprising a wide, thin strip of metal in open helical form with its adjacent turns separated material distances apart, said strip being preformed and substantially free of internal stresses or capacity to contract automatically, being sufficiently rigid to maintain its configuration when free of distorting forces and having said helical strip being sufficiently flexible to permit of its being bent from its initial configuration transversely of its length in the act of winding it on to a cable, said metal having such ductility as will permit a reduction of the diameter in the turns under rotative twist and thus permit the helical strip to be wrapped down firmly on to the cable with the edges of the turns in snug abutting relation and thus capable of being distorted radially beyond its elastic limits to form a permanently deformed and substantially solid tube of less diameter than the helical strip, when one end of the unit is anchored to the cable and its other end forcefully turned in the direction of its turns with a force sufficient to wind down the turns on the cable in permanent binding engagement therewith.

2,494,286
APPARATUS FOR WINDING HEAT EXCHANGERS
Samuel C. Collins, Watertown, Mass.
Application July 19, 1946, Serial No. 684,744
2 Claims. (Cl. 113—1)



1. Apparatus for winding fin material about a core tube, comprising an elongate bed having a track extending from one end to the other, a bracket adjacent to one end of said bed, means carried by said bracket for rotatably supporting the core tube, a rotatable lead screw extending parallel to said track, a carriage mounted on said track and having means engaging said lead screw so that rotation of the latter causes said carriage to move along said track, a feed tube rotatably mounted on said carriage and through which said fin material passes, means carried by said feed tube and engageable with the fin material therein for feeding the fin material outwardly when said feed tube is rotated, guide means mounted on said carriage in advance of said feed tube for applying a fusible metal strand to the core tube, and means for simultaneously rotating said feed tube, said core tube and said lead screw so as to effect a predetermined rate of feed of said fin material relative to the rate of rotation of said core tube and axial travel of said carriage.

2,494,287
CENTER PUNCH
Thomas E. Darnell, Detroit, Mich.
Application October 23, 1947, Serial No. 781,589
4 Claims. (Cl. 33—191)

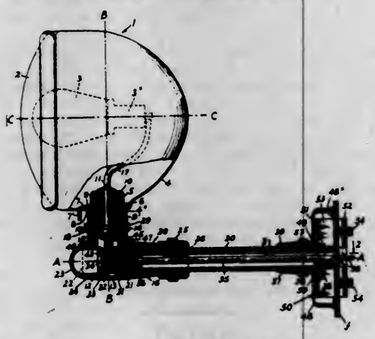
4. In a center punch of the class described, a housing comprising an upper section and a lower

section, said sections being axially fixed and relatively rotatable; a sleeve mounted in said housing and rotatable in unison with said upper section; a punch slidably projected at one end into said housing and projecting through said sleeve and being axially moveable relatively to said sleeve and non-rotatable relatively thereto; an externally threaded sleeve threaded into the lower end of said lower section, said punch slidably projecting through said sleeve and rotatable in unison with said externally threaded sleeve for



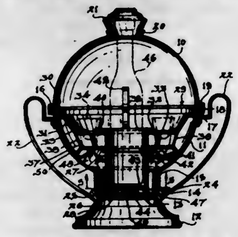
transmitting rotative movement to said externally threaded sleeve upon relative rotation of said housing sections; a plurality of legs swingably mounted at one of their ends on the lower end of said lower section and engageable at their free ends in an opening in a work piece for engaging the sides thereof and centering the punch relatively to said opening; a nose on each of said legs at the end mounted on said housing engageable with the end of said externally threaded sleeve upon outward threading of the same for spreading said legs apart.

2,494,288
AUTOMOBILE SPOTLIGHT
Rene Daon, Norwalk, Conn., assignor to Yankee Metal Products Corporation, Norwalk, Conn., a corporation of New York
Application October 25, 1946, Serial No. 705,581
2 Claims. (Cl. 240—61.12)



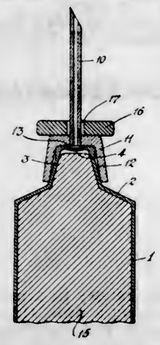
1. In an automobile spotlight of the type having a bracket arm, a bracket for securing said arm to the door of a vehicle, and a spotlight lamp, in combination, means for securing said lamp for adjustable turning 360° about the longitudinal axis of said bracket arm, said arm having an outwardly-directed annular enlargement at its distal end, said means comprising a tubular member having an annular shoulder and a cavity of diameter somewhat larger than that of said annular enlargement of the bracket arm, said tubular member being disposed on the bracket arm with its said shoulder between the annular enlargement of the bracket arm and said door bracket whereby the tubular member is inseparable from the bracket arm, the said lamp being secured to the tubular member and said member being externally threaded at its proximal end and provided with a collet nut for securing the lamp in any position angularly about the bracket arm.

2,494,289
COMBINED BOTTLE COOLER AND HOLDER
Joseph Di Bari, Brooklyn, N. Y.
Application March 29, 1948, Serial No. 17,618
10 Claims. (Cl. 62—76)



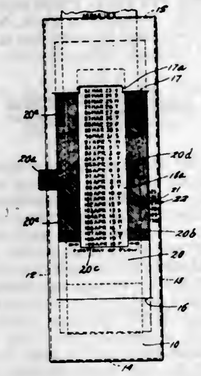
1. A holder for liquor glasses and a liquor bottle comprising a base, a bottom receptacle mounted on said base, a top cover mounted on said receptacle, a member including a short outer cylinder and a long inner sleeve spaced from said cylinder positioned in said base, a bottom wall closing the bottom of said sleeve and connecting it with said short cylinder, a tray having its periphery mounted in said receptacle, and having a row of glass mounting holes.

2,494,290
HYPODERMIC UNIT AND METHOD OF MAKING SAME
William Erhard, North Bergen, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application June 3, 1944, Serial No. 538,660
2 Claims. (Cl. 128—216)



2. A hypodermic unit comprising a collapsible soft-metal tube having an externally-tapered neck terminating in an integrally-extruded, readily-pierceable blind end, and a hypodermic needle having a hub frictionally and immovably secured to the outside of the tube neck, the lumen of the needle communicating with the outside of the blind end, the hub wall having a corresponding internal taper terminating in a substantially-flat inside face at a depth less than the height of the tube neck, and the blind end of the tube neck having an integral annular outward extension in intimate contact with the inside face and wall of the hub.

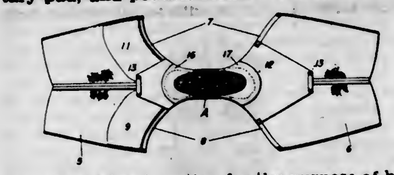
2,494,291
RHYTHMIC CYCLE INDICATOR
James P. Fay, Norwalk, Conn., assignor to The Predictor Corporation, Norwalk, Conn., a corporation of Connecticut
Application August 6, 1946, Serial No. 688,787
6 Claims. (Cl. 235—86)



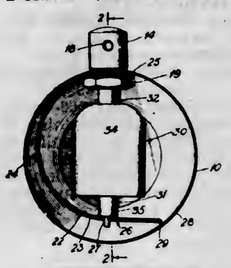
1. A rhythmic cycle indicator comprising a container having top, bottom, and end and side walls, the top having transverse slits therein adjacent each end; a continuous calendar tape disposed within the container and having a portion extending through one slit over the outer surface of the top and through the other slit, said tape having the days of the calendar year marked thereon progressively within uniform day spaces and being adjustable to position successive portions over said top surface; and a slide adjustably mounted in the slits in the top to overlie the tape, said slide having a window therein for exposing a predetermined number of days on the calendar extending over the top surface and having means thereon for indicating which of the days included within the window constitute a period of probable fertility and which constitute a period of probable sterility.

2,494,292
GARMENT CONSTRUCTION
Ruth V. Frazer, San Francisco, Calif.
Application April 7, 1947, Serial No. 739,873
2 Claims. (Cl. 128—284)

1. A garment comprising a front portion and a back portion, said garment being adapted to encircle the body of the wearer, the front portion of the garment being formed to extend downwardly between the wearer's groins, an impervious apron detachably secured to said front portion and said back portion, opposed pockets formed in said apron and capable of housing the ends of a sanitary pad, and pockets formed on the inner portion of said front portion for the purpose of holding additional sanitary pads for use in said apron.



2,494,293
RADIATOR VENT VALVE
Joseph A. Gorton, Montclair, N. J., assignor to Gorton Heating Corporation, Cranford, N. J., a corporation of New York
Application September 17, 1946, Serial No. 697,528
1 Claim. (Cl. 236—62)

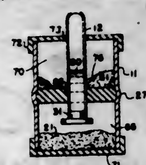


In valves of the class described employing a casing, a plug coupled with the top of the casing and having an elongated passage terminating at its lower end in a conical seat opening into said casing, a valve member, a loop-shaped thermostatic element constituting the sole means for guiding, supporting and actuating said valve member in said casing, one end of said element being attached to the casing adjacent said plug, the other end of said element being free and having an elongated straight portion provided with an aperture, said portion extending to a point in close proximity to the casing wall, said valve member comprising a rod having a rounded upper end for engagement with said conical seat and a reduced end portion fitting into said aperture, said straight portion of the element extending at an angle greater than 90° to the axis of the passage of said plug to support the valve member with the rod in an angular position to said axis, whereby in actuation of the valve member by said element into seated position on the conical seat, the rod will assume a position in alinement with said axis, and the free end of said straight portion when engaging the walls of the casing forming a check constituting the sole means for preventing accidental displacement of the rounded end of the valve member from said conical seat.

2,494,294
PLURALITY CAPSULE
Alvin A. Greenberg, Baltimore, Md.
Application December 26, 1947, Serial No. 793,856
2 Claims. (Cl. 206—47)

1. A container having side walls and end closures, one of said closures having an opening therein, a tube extending through said opening, said tube having a closed end outside said con-

tainer and an open end within said container, a removable closure on said open end having a protrusion thereon, and an abutment within said



container, said protrusion being of such extent as to contact said abutment when said tube is moved outwardly of said container to remove said closure and open said tube in said container.

2,494,295

COMPOSITIONS OF RESINOUS EPOXIDES AND AROMATIC SULFONAMIDE-ALDEHYDE CONDENSATES

Sylvan Owen Greenlee, Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky., a corporation of New York

No Drawing. Application September 13, 1946, Serial No. 696,937
6 Claims. (Cl. 260—45.2)

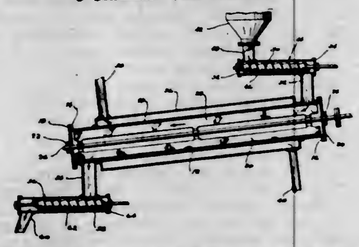
1. New compositions containing in substantial proportions aldehyde-aryl sulfonamide resins containing active hydrogen and complex resinous epoxides which are polyether derivatives of polyhydric phenols containing an average of more than one epoxide group per molecule and free from functional groups other than epoxide and hydroxyl groups.

2,494,296

PROCESS FOR HANDLING POWDERED MATERIAL

James K. Gunther, Decatur, Ind., and Purdy Bradford, Palos Heights, Ill., assignors, by mesne assignments, to Swift & Company, Chicago, Ill., a corporation of Illinois

Application April 25, 1945, Serial No. 590,274
3 Claims. (Cl. 259—1)



1. Method of cooling a powdered material having an initial temperature well above that at which relative rapid oxidation will take place, comprising feeding a compact mass of the hot powder into an elongated cooling chamber, distributing the mass of the powder in a thin layer over the surface of the chamber in the absence of air and agitating the powder in the chamber in the absence of air, extracting heat from the powder while it is passing through the chamber, and then removing the powder from the chamber as a compact mass to seal the outlet with the mass after the temperature has been lowered to a temperature below that at which relatively rapid oxidation will take place.

2,494,297

COMPOSITE RESINOUS COATED METAL AND PROCESS OF MAKING SAME

Charles H. Hempel, Manitowoc, Wis., assignor to Heresite & Chemical Company, a corporation of Wisconsin

No Drawing. Application March 16, 1945, Serial No. 583,173
4 Claims. (Cl. 117—75)

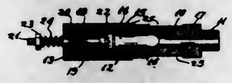
1. The method for coating a metal object which comprises applying a coating of an oil-free phenol-formaldehyde resin to the object, baking the coated object to completely polymerize the resin, then applying a coating of formaldehyde-amine resin of the class consisting of urea-formaldehyde resin and melamine resin to the object, and then baking the object to completely polymerize the last applied coating.

2,494,298

DEVICE FOR OPENING CLOGGED LUBRICATION FITTING PASSAGES

Floyd D. Jones, New York, N. Y.

Application December 20, 1945, Serial No. 636,100
2 Claims. (Cl. 15—406)



1. A device for opening clogged lubrication passages comprising a barrel having a seat for a cartridge rim, a chamber extending from said seat for the shell of said cartridge, a threaded neck at its end remote from said seat adapted to be screwed into a passage to be cleaned, another threaded neck at its opposite end surrounding said seat, and a passage extending from said chamber through said first mentioned end, a head screwed on said other threaded neck and having a chamber and a bore in line with said seat, a firing pin slidably disposed in said bore and having a member in said head chamber adapted to fire said cartridge upon impact therewith when said pin is moved relative to said head, said pin extending outwardly of said head and having an exterior threaded end, a nut screwed on said threaded end, and a coil spring compressed between said nut and head holding said pin extended, whereby said nut may be turned on the extended end of said pin to completely compress the coils of said spring between the adjacent faces of said head and said nut holding said pin against movement relative to said head.

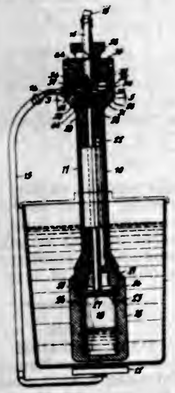
2,494,299

TEMPERATURE CONTROL DEVICE

John H. Lewis, Buffalo, N. Y., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y., a corporation of New York

Application September 13, 1947, Serial No. 773,799
5 Claims. (Cl. 236—32)

5. A controlling device of the character described, comprising a body adapted to be immersed in a body of liquid to be heated and having an expansion chamber at its lower end and a gas-receiving chamber at its upper end including a gas discharge port, a gas feed nipple suspended in the top of said body for displacement axially thereof and having the lower portion thereof opening into said gas chamber and terminating at its lower end in a downwardly-facing valve-seat, a suspension diaphragm for said nipple disposed across the gas-receiving chamber above its discharge port and forming a seal for preventing the escape of gas from such chamber, a valve in the lower portion of the gas-receiving chamber in correlation with said valve-seat, a diaphragm in said expansion chamber, a thrust rod interposed between and abutting at its opposite ends with said valve and said diaphragm, a spring interposed between the bottom of the gas-receiving chamber and said nipple for urging the latter upwardly to a predetermined position and means for pre-setting said



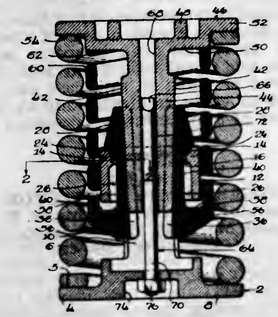
nipple to bring its valve-seat in one or another of a plurality of positions relative to said valve, said means including a rotatable sleeve adjustable axially of the body and for operative engagement with said nipple for bringing its valve-seat in one position or another relative to said valve, said body having a calibrated temperature scale thereon, and a pointer on said sleeve in correlation with said scale.

2,494,300

FRICTION DEVICE

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application June 4, 1945, Serial No. 597,507
18 Claims. (Cl. 267—9)



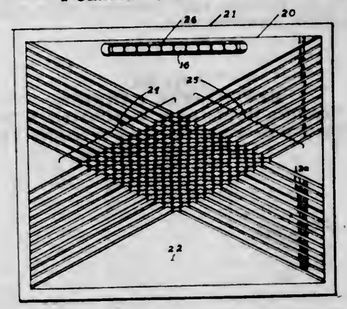
1. In a friction absorbing device, a bottom follower comprising a base and a hollow shoe carrier and spaced columns extending therebetween and merging therewith, said shoe carrier having spaced sloping V-shaped surfaces at the top thereof, spaced friction shoes extending through said carrier and each comprising a lug projecting outwardly above said carrier and having arcuate faces for engagement with the adjacent surface and a spring support portion projecting outwardly beneath said carrier, a top follower comprising a base and a wedge member depending therefrom between said shoes in wedge engagement therewith, a coil spring sleeved over said carrier and compressed between the base of said top follower and said spring support portions for urging the faces on said lugs on said shoes into wedge engagement with said surfaces and said shoes into wedge engagement with said wedge member, a coil spring seated at opposite ends thereof against the bases on said followers, and a bolt and nut assembly extending through said followers for maintaining said device in assembled relationship.

2,494,301

GROOVED GAME BOARD AND DISKS FOR SAME

Laurence W. Lowe, Sr., Memphis, Tenn.

Application July 3, 1946, Serial No. 681,358
4 Claims. (Cl. 273—131)



1. In a two player game, the combination of two sets of similarly formed disk-shaped game pieces, the two sets of pieces having distinguishing markings, a game board for rolling said sets of game pieces thereacross in mutually crossing direction, said game board having two sets of grooves formed therein, each set of grooves being for use with a set of game pieces and having one groove for each game piece in each set, the grooves of each set being parallel to each other and the grooves of one set intersecting with the grooves of the other set, each of the grooves being rectangular in cross section and having a width sufficient to freely receive said game pieces when positioned upright therein whereby the game pieces may be rolled along in the grooves, each groove having a depth equal approximately to one third the diameter of the game pieces, each groove of each set having cylindrically shaped pockets formed in the bottom thereof at each intersection thereof with the grooves of the other set, said pockets conforming to the peripheral curvature of the game pieces whereby the pieces are interfittingly received therein, and the depth of each pocket being approximately equal to one third the diameter of the game pieces whereby approximately one third of a game piece projects above the game board when the piece is resting in one of said pockets.

2,494,302

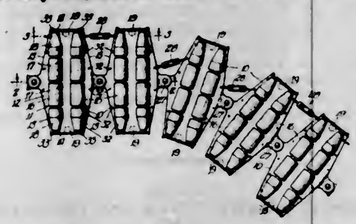
ARTICULATED CONVEYER

James J. Mason, Chicago, Ill.

Application November 5, 1945, Serial No. 626,754
12 Claims. (Cl. 193—35)

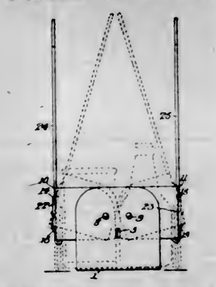
1. A conveyor comprising a plurality of pivotally connected conveyor sections, each of said sections having a frame provided with forwardly

and rearwardly extending male and female connecting members along the center line, said sections having tapered edges extending from the center line toward the sides of the same, and individually adjustable brace means, said brace



means being connected at opposite ends to adjacent sections along one side whereby the sections may be arranged in rigidly connected relation to provide said conveyor with either a straight or a curved path.

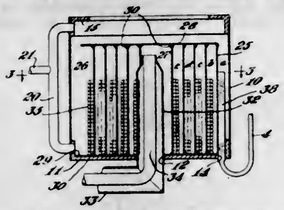
2,494,303
RECEPTACLE CARRIER
Veronica W. McGuire, Woodhaven, N. Y.
Application December 10, 1946, Serial No. 715,319
4 Claims. (Cl. 224—45)



1. A receptacle carrier comprising a bottom plate, uprising end portions thereof formed integral therewith, tiltable side pieces spaced and projecting inwardly at their adjacent ends, means for swingably pivoting said side pieces on said uprising end portions at substantially right angles to said bottom plate and end portions, and plural means for simultaneously lifting said bottom plate, its end portions, and the side pieces pivoted thereon, said last named plural means comprising vertically slidable and laterally moveable bails mounted in said side pieces and bent inwardly and upwardly at their lower ends to form a bight for engagement therewith and imparting movement to said side pieces.

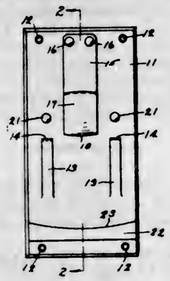
2,494,304
DIFFERENTIAL BOILER
Howard O. McMahon, Lexington, Mass., assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application June 5, 1946, Serial No. 674,521
1 Claim. (Cl. 62—122)

Apparatus for separating the components of a liquefied fluid mixture, comprising an enclosed spiral channel, means at the outer end of said spiral channel for admitting liquefied fluid, means operative to provide a passage of minimum height between the top of said channel and the level of liquid therein, said passage permitting the escape of vaporized fluid from said channel, means for withdrawing fluid from the inner end of said channel, a spiral conduit disposed within and in spaced relation to the side walls of said spiral channel, means for admitting fluid to the



inner end of said conduit, means for withdrawing fluid from the outer end of said conduit, a rectifier, means for conducting fluid from the outer end of said spiral conduit to said rectifier, and means for conducting condensate from said rectifier to the outer end of said spiral channel.

2,494,305
SOAP HOLDER
Walter Merry, River Rouge, Mich.
Application February 8, 1947, Serial No. 727,357
2 Claims. (Cl. 45—28)



1. A soap-holder comprising a base adapted for attachment to a wall, a pair of spaced substantially horizontal soap supports projecting therefrom, and a leaf type spring with its upper straight end mounted on said base and with its lower end coiled to resiliently and lightly bear upon a bar of soap centrally positioned on said supports.

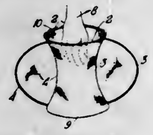
2,494,306
FINGER SAFETY PROTECTOR
Joseph E. Morvey, Flushing, N. Y.
Application March 17, 1948, Serial No. 24,015
2 Claims. (Cl. 29—80)



1. A thumb protector attachment for use on a hand tool having a blade with an end portion inserted into a handle, comprising a head portion to be positioned against the blade on

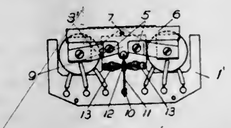
one side thereof, and a handle portion continuing from said head portion, said handle portion being formed intermediate of its ends with a spiral bend to be extended about an edge portion of the blade to position the free end of said handle portion against the other side of the handle, said free end of said handle portion being insertable into the handle alongside of the end portion of the blade.

2,494,307
INVERSIVE FOLD DIAPER
Joseph R. Niolon, near Bessemer, Ala.
Application November 12, 1948, Serial No. 59,559
1 Claim. (Cl. 128—284)



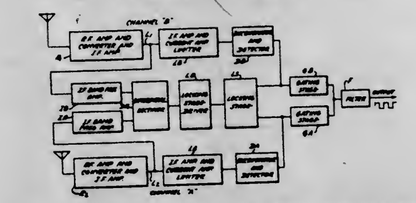
In an inversive fold diaper comprising; a piece of cloth folded over upon itself, two seams sewed into said double cloth adjacent the center portion thereof, said two seams starting at one edge of the double cloth and extending to the opposite edge and defining between them an approximate hourglass-shape, said seams continuing from said points and defining a flap portion on each side and integral with the portion within the hourglass outline, one end of the hourglass portion being open between the layers of the cloth and from one seam juncture with the edge of the cloth to the opposite similar juncture, the other end of the hourglass-shaped portion being closed by the folded edge of the cloth, the ends of the double cloth terminating slightly beyond the outer seams of the said flaps.

2,494,308
BALANCE RELAY
Wilhelm H. Petersén, Vasteras, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application June 22, 1945, Serial No. 600,962
In Sweden June 9, 1944
2 Claims. (Cl. 200—98)



1. A balance relay comprising two parallel electromagnets, pole pieces at both ends of said electromagnets extending perpendicularly to the longitudinal axis of said electromagnets, pivotally mounted U-shaped armatures embracing said electromagnets and completing their magnetic circuits, a balance arm extending perpendicularly from the armatures and having a fork-shaped end, legs at the outer ends of said armatures substantially parallel to the pole pieces and being at the other ends joined by said balance arm, and a leaf spring clamped at one end and supporting the movable contacts of the relay, the other end of said spring being engageable by said fork-shaped end of the balance arm, thus giving the relay its directional force.

2,494,309
DIVERSITY RECEIVER
Harold O. Peterson and Robert E. Schock, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application November 17, 1945, Serial No. 629,298
3 Claims. (Cl. 250—8)



3. In a diversity system for wave energy keyed in accordance with signals from a first frequency to a second frequency, a plurality of channels each having an input excited by said signals, an electron gating device for each of said channels, each gating device having a control electrode excited by signals passed by one channel and having an output electrode, frequency discriminating and detecting means coupled to the output electrodes of both devices, means for comparing the strengths of the signals fed to the channels and for deriving a unidirectional potential the polarity of which depends upon the relative strengths of the signals fed to the channels, a locking circuit having two conditions of stability, one for potentials of one polarity and the other for potentials of the opposite polarity, and a coupling between said locking circuit and said gating devices for making a corresponding one thereof conductive for each condition of stability of said locking circuit.

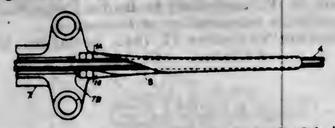
2,494,310
PURIFICATION OF ALKYL AND SUBSTITUTED ALKYL PHOSPHATES
Edwin P. Plueddemann, Woodbridge, N. J., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 1, 1945, Serial No. 575,735
11 Claims. (Cl. 202—57)

1. A process for producing higher molecular weight purified alkyl phosphates from crude reaction masses obtained in the production of said alkyl phosphates and containing acidic impurities which comprises adding an alkali in excess of the amount necessary to neutralize said acid impurities and heating the resulting continuously alkaline mass at sub-atmospheric pressure and at a temperature of 200° C. to 290° C., whereby said alkyl phosphate is distilled over under substantially anhydrous conditions in a substantially pure form.

2,494,311
TROLLEY FROG APPROACH END
Frank H. Richterkessing, Louisville, Ky., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application October 29, 1945, Serial No. 625,241
3 Claims. (Cl. 191—43)

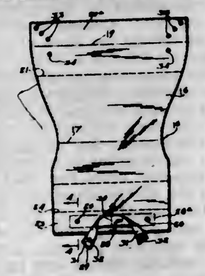
2. In a device of the class described, a body member having a trolley wire receiving means; an integrally formed approach-end member; means for detachably securing said end-member to the body member; said end-member having a

deep open channel disposed substantially diagonally axially thereof for receiving a trolley wire through the longitudinal spiral opening thereof,



the said channel having dissymmetrical laterally extending side walls, one of which walls embraces more than 180° of said trolley wire.

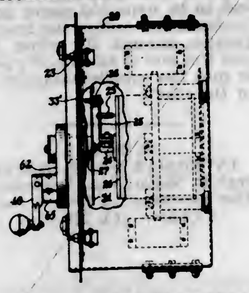
2,494,312
PINLESS DIAPER
Max Rodgen and Beatrice Rodgen, White Plains, N. Y.
Application December 10, 1948, Serial No. 64,491
11 Claims. (Cl. 128—284)



1. A pinless diaper, comprising a sheet element generally of elongate rectangular shape and so adapted to have an upper end subdivision thereof extending all the way across the diaper to be folded down about a rectilinear line to provide a depending collar at the outside of the diaper, a plurality of apertures through the diaper some of which apertures are through said collar and some others of which are through the portion of the diaper to underlie said collar, said apertures of a size to permit passage therethrough of the shank of a post-type snap fastener element of standard size, a pair of oppositely horizontally extended tabs secured to the outside of the diaper and near the bottom thereof, elements of two snap fasteners each of which elements is carried by one of said tabs, and two snap fastener elements each complementary to one of the first-named such elements and carried by the diaper near its bottom at points both spaced outwardly from the longitudinal center line of the diaper.

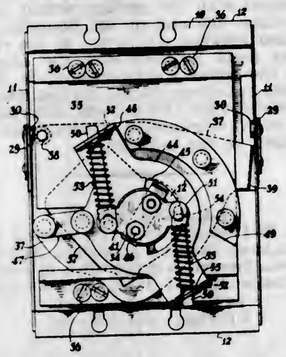
2,494,313
SOURCE TRANSFER SWITCH
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainfield, Conn., a corporation of Connecticut
Application December 22, 1945, Serial No. 636,738
8 Claims. (Cl. 200—17)

1. A transfer type switch comprising a rotatable switch member rotatable in either direction, a rotatable throwing member having a number of uniform recesses and cam projections occupying the entire periphery of the throwing member, spring pressed rollers coacting with said projections and recesses to provide a continuous series of switching positions, a connection between said throwing member and said switch member, a rotatable handle movable in either direction, a lost motion connection between said handle and said



throwing member geared so that said handle may be rotated more than 360° before it will rotate said throwing member from one switching position to either the preceding or succeeding position.

2,494,314
ELECTRIC SWITCH WITH SNAP ACTION
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application November 30, 1946, Serial No. 713,194
12 Claims. (Cl. 74—97)

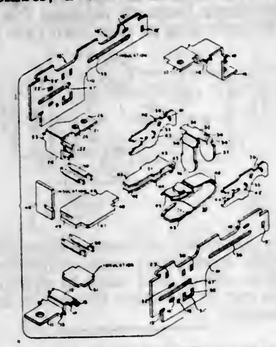


1. In an electric switch, an actuating member, a throwing member, a link hinged to connect said throwing member and said actuating member, snap-action means for normally actuating said throwing member and a cam for directly engaging and actuating said actuating member in case of failure of said throwing member.

2,494,315
ELECTRIC SWITCH UNIT
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application September 8, 1948, Serial No. 48,270
5 Claims. (Cl. 200—163)

1. A switch unit comprising insulating side plates, two spaced contacts mounted between said plates, an insulating barrier plate extending between said contacts, a guide member having arms guided by said barrier plate, to slide above and below said barrier plate, side pieces mounted

between said side plates and supporting said guide member, a switch member connected to



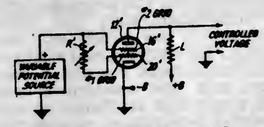
said guide member and a saddle connecting said side pieces and supporting said switch member and slidable between said side plates.

2,494,316
PONTOON CONSTRUCTION
William J. Sanderson, Madison, Wis.
Application February 16, 1946, Serial No. 648,046
6 Claims. (Cl. 114—66.5)



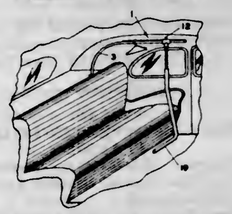
2. A pontoon comprising in combination, a hollow body having side walls and a top, transverse partitions in said body dividing the interior thereof into compartments, the lower edges of said partitions terminating short of said side walls, a bottom pivotally secured at one end to said body and being substantially coextensive in area with said top, said bottom forming a closure for all of said compartments, resilient members carried in said compartments exerting resilient pressure against said bottom, urging said bottom away from the lower edges of said partitions, means spaced from the lower edges of said partitions restricting movement of said bottom in response to said resilient pressure, movement of said bottom against said resilient pressure being limited by contact of said bottom and the lower edges of said partitions.

2,494,317
MULTIGRID TUBE AMPLIFIER CIRCUIT
Arthur Mack Seybold, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 28, 1947, Serial No. 771,088
6 Claims. (Cl. 179—171)



1. In a voltage or current amplifier, an electron discharge tube having an anode, a cathode, a control grid and a screen grid, an alternating current input circuit, on which said voltages or currents to be amplified are impressed, coupled directly between said screen grid and said cathode, an alternating current output circuit coupled to said anode, and direct current circuits for the electrodes of said tube including a series resistor of appreciable value connecting said screen grid to said control grid and a source of direct current potential for maintaining said anode electro-positive relative to said cathode.

2,494,318
APPAREL RACK FOR VEHICLES
Earl W. Sturk, Lansing, Mich.
Application August 17, 1948, Serial No. 44,783
1 Claim. (Cl. 224—29)

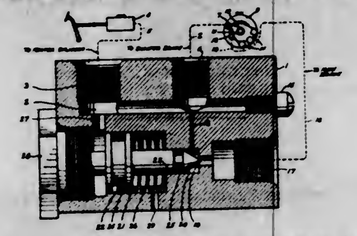


An apparel rack for an automobile vehicle comprising: a tubular ridge member having a straight portion and a downwardly turning portion, said arcuate portion comprising one extremity of said ridge member; a resilient strip mounted along the top surface of said ridge member throughout a substantial part of the straight portion thereof; a leg member having a tubular upper portion and a tubular lower portion telescopically receiving the upper portion thereinto; threaded means for locking in a selected position said upper and lower portions against movement relative to each other; said lower portion of said leg member including a vertical part and a base part integrally joined by an inclined part, said base part being so associated with said vertical part that said vertical part is aligned vertically above a point substantially midway between the ends of said base part; a T-shaped joining member rigidly engaging the upper portion of said leg member and slidably engaging said ridge member; threaded means associated with said joining member for locking in a selected position said joining member against movement relative to said ridge member; a vertically adjustable mount having a resilient cup on its lower extremity threadedly engaging the arcuate end of said ridge member; whereby the free end of said arcuate portion may rest on a surface immediately back of an automobile seat back and the leg member may rest on the floor ahead of the seat and the straight portion of the ridge member held horizontal therebetween and thereby.

2,494,319
BOOSTER BRAKE SYSTEM
Fillmore D. Swan, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 9, 1947, Serial No. 778,949
6 Claims. (Cl. 188—141)

1. A booster brake system including a master cylinder, a booster brake operated by the master cylinder, a booster unit operated by the booster brake and wheel torque, a brake operated by the booster unit, said system being characterized by a check valve, the check valve having a passage freely connecting the master cylinder and booster brake, a relatively small cross-section by-pass from the passage connected to the brake, a valve

in the by-pass, resilient means normally urging the valve to open position, a piston on the valve,



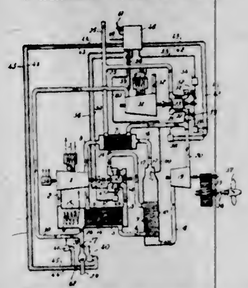
and a connection from behind the piston to the passage whereby fluid under pressure in the passage will move the piston to close the valve.

2,494,320

APPARATUS FOR OPERATING GAS TURBINE PLANTS

Walter Traupel, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application March 15, 1946, Serial No. 654,671
In Switzerland May 26, 1945
7 Claims. (Cl. 60—49)



6. A semi-circuit gas turbine plant characterized by a device for regulating the circuit compressor and a device for regulating the make-up compressor by means of which devices the outputs of the two compressors can be so controlled that the ratio of the pressure existing in the circuit between compressor and turbine to the pressure of the make-up air delivered to the circuit is made greater with increasing plant output and less with diminishing plant output.

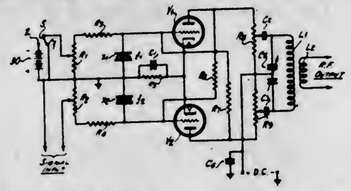
2,494,321

FREQUENCY SHIFT KEYING STAGE

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 27, 1945, Serial No. 601,797
16 Claims. (Cl. 250—36)

1. In a signalling system in combination, two electron discharge tubes each having a control electrode, a cathode and an anode, means for applying operating potentials to the electrodes of the tubes including impedances cross-coupling the anode of one tube to the control electrode of the other tube, and the anode of the other tube to the control electrode of the one tube so that variations of the potential on the anode of one tube causes similar variations of the potential on the control electrode of the other tube and current initiated in one tube causes the current to be tripped to said one tube and the other tube to be cut off and vice versa, means for establishing feedback between the input and output of each tube so that each tube also operates as a generator of radio frequency currents of different frequencies, and connections to an electrode of one of said tubes to switch the current from one to the other thereof in accordance with signals.

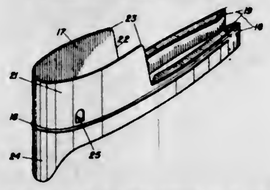


2,494,322

LIGHTER SHIELD

Frank A. Ward, Baltimore, Md.

Application October 25, 1948, Serial No. 56,398
2 Claims. (Cl. 67—7.1)



1. A windshield for attachment to a lighter over the entire upper shelf thereof and comprising a shield having front walls and side walls and being open at its top and bottom, said front walls being of a height and size to encompass and extend above the wick and pyrophoric portions of the lighter and having a spur portion extending downwardly along the front walls of the lighter, said side walls of the windshield being of less height than the front walls thereof and extending flexibly along the upper edges of the lighter's upper shelf and said front and side walls having a common beaded edge extending longitudinally thereof and being substantially flush with the upper shelf of the lighter.

2,494,323

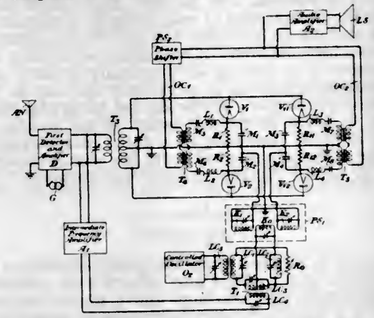
SIGNAL RECEIVING APPARATUS

Edward Henry Weber, Jr., Toms River, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application March 12, 1943, Serial No. 478,881
3 Claims. (Cl. 250—20)

2. In a receiving system for demodulating the signals conveyed by two received sidebands of the same signal and a carrier wave accompanying said sidebands, the combination of an oscillator, means for controlling the frequency of said oscillator in accordance with the frequency of said carrier wave, two differential demodulator circuits, means for applying said sidebands to said differential demodulator circuits in parallel with each other, said last mentioned means being adapted to apply said sidebands to each side of said differential demodulator circuits in phase opposition with respect to the other side thereof, each of said demodulator circuits having a differential low frequency output circuit, means for deriving from the wave of said oscillator two waves of the same frequency which are in quadrature

with each other, means for applying said two derived waves respectively to each of said differential demodulator circuits including means for applying each of said derived waves to both branches of one of said differential demodulator circuits in the same phase, means for combining the outputs of said differential demodulator circuits to form a combined output signal, said last mentioned means including a phase changing apparatus adapted to introduce a 90° phase shift in the output of one of said differential demodulator circuits before combination with the output of the other of said differential demodulator circuits.

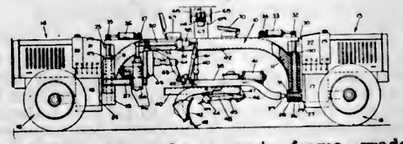


2,494,324

ROAD GRADER

Fred J. Wright, Upper Arlington, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio

Application April 29, 1944, Serial No. 533,291
8 Claims. (Cl. 37—156)



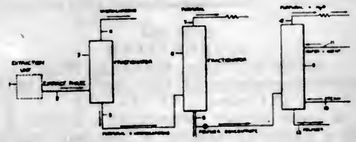
7. In a road grader, a main frame, grader mechanism on said main frame, a power traction unit at each end of said main frame, each having its own engine, means adjustably connecting each power traction unit to said main frame for pivotal movement about an upright axis, and means for steering the wheels of each power traction unit relative to said unit.

2,494,325

RECOVERY OF FURFURAL FROM FURFURAL-POLYMER MIXTURES

Charles T. Anné and Roy F. Nelson, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application March 14, 1945, Serial No. 582,766
4 Claims. (Cl. 202—57)



1. The continuous method of recovering furfural from a mixture of furfural and polymer which comprises passing to an intermediate portion of a distilling column a stream of furfural feed containing a substantial amount of polymer liquid formed during contact between furfural and C_4 olefinic hydrocarbons at elevated temperatures, said polymer being higher boiling than furfural, passing to the upper portion of said tower as reflux liquid a stream of water containing a small amount of a water soluble alkali metal salt wetting agent, passing steam to the lower portion of said column at an elevated temperature and in an amount sufficient to distil furfural from said feed, removing from the top of said tower a distillate stream consisting essentially of furfural and steam, and removing from the bottom of said column a stream of polymer liquid suspended in water.

2,494,326

EMULSION POLYMERIZATION PROCESS

Erving Arundale, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 3, 1945, Serial No. 603,115
3 Claims. (Cl. 260—82.7)

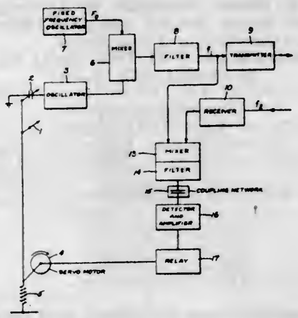
1. In the manufacture of synthetic rubber-like materials by the polymerization in aqueous emulsion of a conjugated diolefin having from 4 to 6 carbon atoms per molecule, the improvement which comprises using as polymerization modifier 0.125 to 1.0% based on total monomer of an aliphatic mercaptan mixture consisting of about 55% dodecyl, about 30% tetradecyl and about 15% hexadecyl mercaptan.

2,494,327

TELEMETRY SYSTEM

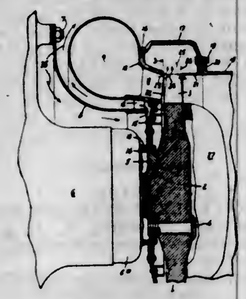
Charles A. E. Beurtheret, Asnieres, France, assignor to General Electric Company, a corporation of New York

Application March 5, 1948, Serial No. 13,099
In France November 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1963
3 Claims. (Cl. 318—28)



1. In a remote control system, a plurality of stations, each station comprising a transmitter, a receiver, a master oscillator, means for comparing transmitted frequency with received frequency, means for varying the frequency of one of said oscillators and means responsive to the difference in frequencies to vary other of said oscillators in a like manner until said difference in frequencies is reduced to zero.

2,494,328
AXIAL FLOW ELASTIC FLUID TURBINE
David J. Bloomberg, Newton, Mass., assignor to General Electric Company, a corporation of New York
Application March 22, 1946, Serial No. 656,448
6 Claims. (Cl. 253—57)

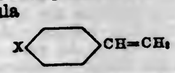


1. In an elastic fluid turbine having a bucket-wheel with a circumferential row of shroudless buckets and nozzle means for supplying motive fluid to the buckets, the combination of stationary bucket shroud means for minimizing leakage comprising walls defining a circumferential chamber surrounding the tips of the buckets and communicating with the open ends of the bucket flow paths and with the clearance space between the nozzle means and the leading edges of the buckets, said walls including a circumferential portion having substantially no radial clearance relative to the bucket tips and a small axial clearance with the exit edges of the buckets, said last-mentioned clearance being the smallest which will avoid mechanical interference between said circumferential portion and the buckets, and being smaller than the nozzle-to-bucket clearance space.

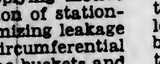
2,494,329
FORM
Frank J. Carlin, Allendale, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 15, 1948, Serial No. 2,542
12 Claims. (Cl. 18—47)



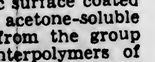
1. A metallic form for rubber, said form having its rubber-contacting metallic surface coated with a mixture of an initially acetone-soluble resinous interpolymer selected from the group consisting of acetone-soluble interpolymers of monomers consisting essentially of a styrene having the formula



where X is selected from the class consisting of hydrogen, methyl and chlorine and a diallylic fumarate having the formula



where X is selected from the class consisting of allyl and methallyl in relative proportions such that the molar ratio of said diallylic fumarate to said styrene ranges from 1:1 to 1:6 and acetone-soluble interpolymers of monomers consisting essentially of a styrene as previously defined and a diallylic fumarate as previously defined in the relative proportions previously set forth and from 10% to 700% by weight based on the weight of said diallylic fumarate of a third interpolymerizable monomer selected from the group consisting of allylic alcohols having the formula

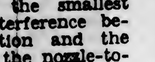


where X is selected from the group consisting of hydrogen and methyl and acyclic and alicyclic monoolefinic hydrocarbons and a minor proportion of a polymeric alkyl aryl silicone resin, said resinous interpolymer being converted to the insoluble, infusible state.

10. A coating composition comprising an acetone-soluble, fusible, resinous interpolymer selected from the group consisting of acetone-soluble interpolymers of monomers consisting essentially of a styrene having the formula



where X is selected from the class consisting of hydrogen, methyl and chlorine and a diallylic fumarate having the formula



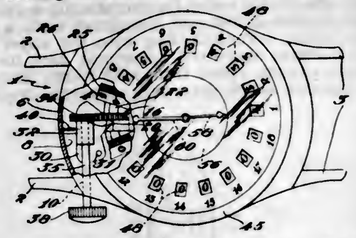
where X is selected from the class consisting of allyl and methallyl in relative proportions such that the molar ratio of said diallylic fumarate to said styrene ranges from 1:1 to 1:6 and acetone-soluble interpolymers of monomers consisting essentially of a styrene as previously defined and a diallylic fumarate as previously defined in the relative proportions previously set forth and from 10% to 700% by weight based on the weight of said diallylic fumarate of a third interpolymerizable monomer selected from the group consisting of allylic alcohols having the formula

where X is selected from the group consisting of hydrogen and methyl and acyclic and alicyclic monoolefinic hydrocarbons and a minor proportion of a polymeric alkyl aryl silicone resin, said interpolymer and said silicone resin being dissolved in a volatile organic solvent.

2,494,330
SCOREKEEPER
Harry D. Clarke, Waltham, Mass.
Application October 17, 1947, Serial No. 780,395
19 Claims. (Cl. 235—117)

1. A score keeper comprising a casing, a ring shaft, a rotatable member within said casing for supporting said ring shaft, a plurality of numbered wheels rotatably mounted on said ring shaft

in circumferentially spaced relation to each other, and setting means carried by said casing and



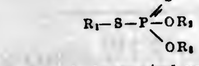
selectively engageable with said numbered wheels for rotating them individually on said ring shaft.

2,494,331
ALUMINUM STEARATE SOLUTION
Joseph Cunder, East Orange, and Francis J. Licata, West Caldwell, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application November 19, 1946, Serial No. 710,940
10 Claims. (Cl. 106—243)

1. A free-flowing composition consisting essentially of from about 3% to about 50% of aluminum stearate, from about 0.25% to about 20% of an alkyl ester of phosphoric acid containing a total of at least three carbon atoms, and a liquid solvent for aluminum stearate selected from the group consisting of terpenes, aromatic hydrocarbons, aliphatic hydrocarbons, and chlorinated hydrocarbons.

2,494,332
EXTREME PRESSURE LUBRICANTS
Elmer B. Cyphers, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 7, 1948, Serial No. 19,630
9 Claims. (Cl. 252—46.7)

4. A lubricating composition consisting essentially of petroleum base oil of lubricating viscosity containing 1 to 20% by weight of a material having the general formula



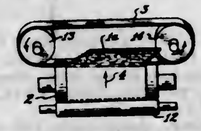
wherein R_1 is a halogenated rosin ester, and R_2 and R_3 are aliphatic hydrocarbon groups of 2 to 10 carbon atoms each.

2,494,333
CONCENTRIC COIL SHEATH HEATING UNIT
Loretta M. Daly, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 9, 1948, Serial No. 31,978
9 Claims. (Cl. 201—67)



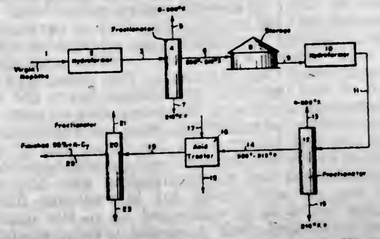
1. An electric heating unit comprising a metallic sheath, a plurality of helical resistance elements of different diameters in said sheath extending lengthwise thereof in substantially concentric relation with each other, a compact mass of powdered heat conductive electrical insulation material in said sheath embedding said resistance elements, a terminal member assembly extending into at least one end of said sheath and having its inner end embedded in said insulation material, said terminal member assembly comprising an outer tubular terminal and an inner terminal rod, electrical insulating material in said tubular terminal securing said terminal rod in substantially concentric relation therewith, and electrical connections respectively between the inner ends of said terminals and said resistance elements.

2,494,334
PROCESS OF AND APPARATUS FOR MAKING LONGITUDINALLY AND LATERALLY STRETCHABLE CREPED WEBS
Paul W. Dorst, Cincinnati, Ohio, assignor to Cincinnati Industries, Inc., Lockland, Ohio, a corporation of Ohio
Application July 29, 1946, Serial No. 686,899
17 Claims. (Cl. 154—33.05)



3. A process of contracting a web which comprises causing said web to cling to a creping surface, producing relative motion of said creping surface and a doctor in the direction of the longitudinal axis of said web, whereby to cause said doctor to remove said web from said creping surface and contract it, and simultaneously producing movement of said doctor relative to said creping surface continuously in a direction transverse the longitudinal axis of said web whereby to displace said web progressively in said direction as it is being contracted, and carrying said web away from said doctor in upside down position and in a direction at an angle to its first direction of travel, the said angle being determined in part at least by the speed of said last mentioned relative movement of said doctor and said creping surface.

2,494,335
METHOD FOR PRODUCING HIGH PURITY NORMAL HEPTANE
Keith J. F. Dutson, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application September 29, 1947, Serial No. 776,688
7 Claims. (Cl. 260—676)



1. A process for preparing substantially pure normal heptane from a naphtha containing

normal heptane in admixture with hydrocarbons having similar boiling points including methylcyclohexane which includes the steps of contacting the said naphtha in the presence of hydrogen with a catalyst capable of dehydrogenating methylcyclohexane at a temperature in the range between 900° and 950° F. and at a pressure in the range between 180 and 250 pounds per square inch under conditions favorable to the dehydrogenation of methylcyclohexane and removing a product from the reaction zone, contacting at least a portion of said product in the presence of hydrogen with a catalyst capable of dehydrogenating methylcyclohexane at a temperature in the range between 900° and 950° F. and at a pressure in the range between 180 and 250 pounds per square inch under conditions favorable to the dehydrogenation of methylcyclohexane and recovering a product from said latter contacting step, acid treating the said last mentioned product with sulfuric acid and redistilling the acid treated product to recover a hydrocarbon fraction boiling between about 208° F. and 211° F. consisting of substantially pure normal heptane.

2,494,336

SEALING COMPOSITIONS AND PROCESSES FOR MAKING SAME

Bernard Gross, San Diego, Calif., assignor to Rohr Aircraft Corporation, Chula Vista, Calif., a corporation of California

No Drawing. Application July 28, 1945, Serial No. 607,675
6 Claims. (Cl. 260—29.2)

1. A flame, oil and gasoline resistant sealing composition comprising approximately and by weight of (1) 159 parts of a water dispersion of polyethylene formal polysulfide, which is made up by weight of 65 to 75 percent polyethylene formal polysulfide and the balance water; (2) 8 parts of a water dispersion of carbon black, which is made up by weight of 40 to 50 percent carbon black and the balance water; (3) 4 parts of a water dispersion of zinc chromate which is made up by weight of 30 to 40 percent zinc chromate and the balance water; (4) 17 to 43 parts by weight of asbestos fibre.

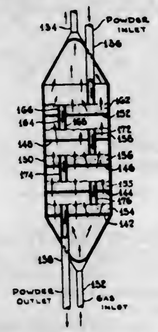
2,494,337

APPARATUS FOR CONTACTING FINELY DIVIDED SOLID PARTICLES WITH GASEOUS MATERIALS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Original application September 12, 1941, Serial No. 410,525. Divided and this application May 30, 1944, Serial No. 538,004
6 Claims. (Cl. 23—288)

1. An apparatus for contacting finely divided particles with a gaseous agent comprising an enlarged vertical vessel, a plurality of perforated decks mounted in vertically spaced relation within said vessel, a separate conduit extending through each of said decks, the upper end of each of said conduits terminating below the superadjacent deck and the lower end of each of said conduits terminating above the subadjacent deck but not higher than the upper end of the conduit extending through said subadjacent deck, a tubular member communicating with the upper end of said vessel for introducing finely divided solids to be contacted on to the uppermost perforated deck, a second tubular member extending through said lowermost deck and terminating below the deck superadjacent thereto for removing finely divided solids from said lowermost deck, a conduit communicating with the lower end of said vessel for introducing a gaseous agent therein below said lowermost deck, a second conduit communicating with the upper end of said vessel above the uppermost deck for removing gaseous agent from said vessel, whereby the gaseous agent may pass upwardly through



the perforations in said decks at a velocity sufficient to support said finely divided solids on said decks and to maintain said solids in a fluid, quasi-liquid state and continuous introduction of finely divided solids on the uppermost deck will cause said fluidized particles to overflow through said conduits from one deck to the next subadjacent deck.

2,494,338

EXTRACTION OF LACTONES

Roland Kapp, Newark, Frank D. Pickel, Flemington, and Louis T. Rosenberg, Ridgefield Park, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Original application December 13, 1946, Serial No. 422,868. Divided and this application January 28, 1947, Serial No. 724,922
1 Claim. (Cl. 260—344)

In the process of synthesizing α-hydroxy-β,β-dimethyl-γ-butyrolactone, the step which comprises extracting the same from the aqueous reaction mass in which it is produced by dissolving said lactone in methylene chloride.

2,494,339

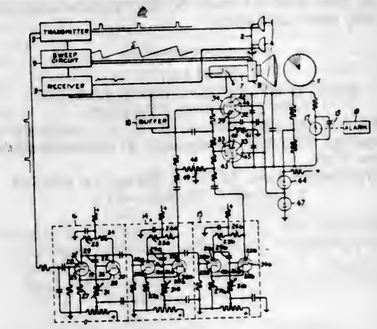
NOISE-REDUCING PULSE-ECHO LOCATING EQUIPMENT

James E. Keister, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 21, 1943, Serial No. 495,587
5 Claims. (Cl. 343—13)

1. In echo type radio locating equipment having a transmitter for transmitting periodic directional pulses of radio waves scanning an area in which remote objects are expected, a receiver for echoes from said transmitted pulses having a pair of receiving channels, means for keying the channels on for two successive time intervals after the transmitted pulses related to the time of travel of the waves so as to correspond to regions at different distances from the equipment, the width of said intervals being coordinated with the scanning speed and pulse rate of the transmitter and the maximum speed of travel of remote objects so that an unknown object traversing said regions produces a plurality of successive

echoes in one of said intervals while noise alone is received in the other of said intervals, means for integrating the signals for the respective channels during said intervals, and means re-



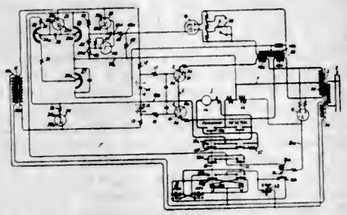
sponsive to the difference between the integrated signals and integrated noise for indicating the presence of an object in the corresponding one of said regions.

2,494,340

ELECTRONIC CONTROL SYSTEM FOR DYNAMOELECTRIC MACHINES

Henry H. Leigh, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application June 7, 1944, Serial No. 539,053
10 Claims. (Cl. 318—345)



1. A control system comprising in combination, a pair of electric valves each provided with an anode, a cathode and a control grid, a source of alternating voltage, connections from said source to said anodes and cathodes for supplying alternating voltages thereto, a pair of capacitors each connected between the grid and cathode of a corresponding one of said valves, a control circuit comprising said capacitors connected in series with each other to said source for supplying a dephased component of alternating voltage to said grids, a second circuit comprising two electric control valves connected in series with each other to said source, a connection from the common terminal of said control valves to the common terminal of said capacitors for connecting each of said valves in parallel with a corresponding one of said capacitors to supply a component of direct voltage to each of said grids, and means for varying the firing point of said first pair of valves to vary the current in the output circuit thereof comprising means for varying the relative conductivities of said control valves.

2. A control system comprising in combination, a pair of electric valves each provided with an anode, a cathode and a control grid, a source of alternating voltage, connections from said source to said anodes and cathodes for supplying alternating voltages thereto, means for supplying substantially 90 degree lagging components of alternating voltage to said grids comprising a pair of capacitors of relatively small capacitance each connected between the grid and cathode of a corresponding one of said valves, a series circuit connected across said source and comprising two resistors of relatively large resistance and said capacitors connected between said resistors, a second circuit comprising a pair of control electric valves connected in series with each other across said source and a connection from the common terminal of said control valves to the common terminal of said capacitors, and means for varying the firing point of said first pair of valves to vary the output current thereof comprising means for varying the relative conductivities of said control valves thereby to vary said direct voltage components.

2,494,341

LUBRICANT COMPOSITION

Eugene Lieber, New York, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 17, 1945, Serial No. 611,238
11 Claims. (Cl. 252—59)

1. Process which comprises condensing 0.5 to 5 mols of an alkyl mercaptan having from 1 to 20 carbon atoms with 1 mol of an aromatic compound selected from the class consisting of aromatic hydrocarbon and hydroxy derivatives thereof, in the presence of a Friedel-Craft catalyst at a reaction temperature between the approximate limits of room temperature and about 400° F., sufficiently elevated to produce high molecular weight polymeric condensation products, hydrolyzing and removing the catalyst and recovering from the reaction mixture a high molecular weight substantially non-volatile condensation product.

10. A lubricant comprising a major proportion of a waxy mineral lubricating oil and a pour-depressing amount of an oil-soluble condensation product of 0.5 to 5 mols of an alkyl mercaptan having from 1 to 20 carbon atoms, with 1 mol of an aromatic compound having less than 20 carbon atoms and selected from the class consisting of aromatic hydrocarbons and hydroxy derivatives thereof, said condensation products being formed by the condensation of said alkyl mercaptan and said aromatic compound using a final reaction temperature of 150° F. to 350° F., having an average molecular weight of at least about 700 and being substantially non-volatile under reduced pressure up to about 600° F.

2,494,342

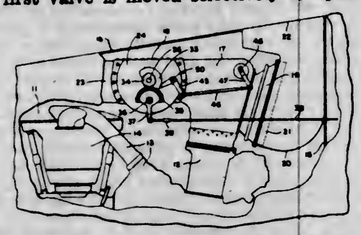
CONTROL FOR THE CONDUCTION OF COMBUSTION AIR

Howard F. Lyons, Columbus, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application May 29, 1946, Serial No. 672,964
14 Claims. (Cl. 123—122)

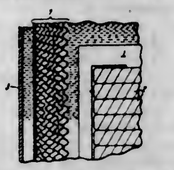
1. In an engine air inlet system having sources of ram air, heater air and filtered air; a conduit leading to an engine air inlet; a first valve for selectively opening the conduit to the ram air source or the heated air source, or for closing the conduit to both the ram air and heated air sources; a second valve for opening or closing the conduit to the filtered air source; and connecting means for opening one valve as the other valve is closed, said connecting means including

means for holding the second valve closed while the first valve is moved selectively to open the



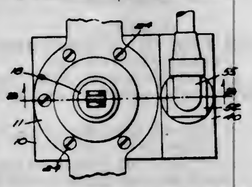
ram air source or the heated air source to the conduit.

2,494,343
SOUND ABSORPTION
Clifford Mannal, Lee, Mass., assignor to General Electric Company, a corporation of New York
Application April 18, 1945, Serial No. 589,015
1 Claim. (Cl. 175—361)



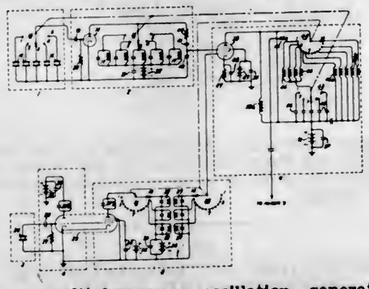
In an electrical induction apparatus, a core and coil structure which produces sound waves during operation, a casing surrounding said core and coil structure, a dielectric liquid within said casing and surrounding said core and coil structure, and means for minimizing the transfer of sound waves from the core and coil structure through the liquid including a plurality of layers of a wire mesh between said core and coil structure and said casing, said plurality of layers of mesh having progressively changing size openings with the greatest size of openings on the inside of the structure so that the energy of the sound waves in passing through the openings in the mesh will be dissipated.

2,494,344
CHEMICAL FEED PUMP MECHANISM
Louis R. Mannheim, Edgewood, R. I., assignor to Morse Boulger Destructor Company, a corporation of Delaware
Application September 11, 1946, Serial No. 696,269
2 Claims. (Cl. 103—153)



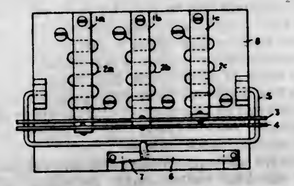
1. In a pump mechanism for high speed fluid feeding, a vertical cylinder, a piston movable in said cylinder and connected to a power source for reciprocation thereby, said piston having a downwardly directed conical face, a base for said cylinder having an inflow chamber, an inlet check valve in said inflow chamber positioned directly below said piston, said cylinder having a check valve controlled outflow passage, and having an air vent passage in the upper portion thereof communicating with said outflow passage, whereby entrained air in said cylinder travels up the conical face of the piston and into the air vent passage.

2,494,345
MULTIFREQUENCY OSCILLATION GENERATING SYSTEM
Arthur G. Manke, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application June 26, 1946, Serial No. 679,348
2 Claims. (Cl. 250—36)



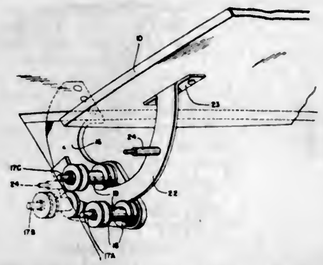
1. A multi-frequency oscillation generating system comprising, in combination, a first oscillation source selectively operable to produce one of a plurality of relatively low fixed output frequencies, a second oscillation source selectively operable to produce one of a second plurality of fixed output frequencies higher than frequencies from said first source, a mixer supplied with oscillations from both said sources and including a tunable circuit for selecting a beat frequency, said circuit being conjointly tuned by two reactive tuning elements included respectively within first and second groups of selectable tuning elements, a first unicontrolled switching mechanism for simultaneously selecting a frequency from said first source and a particular element from said first group, and a second, independent, unicontrolled switching mechanism for simultaneously selecting a frequency from said second source and a particular element from said second group; said selected elements together tuning said circuit to select a desired beat frequency.

2,494,346
OVERLOAD PROTECTIVE DEVICE
Eric H. B. Martin, Rugby, England, assignor to General Electric Company, a corporation of New York
Application December 13, 1947, Serial No. 791,628
In Great Britain July 17, 1947
4 Claims. (Cl. 200—122)



1. An electric overload protective device for a polyphase circuit comprising a pair of switch contacts, a pair of movable current responsive elements each associated with one phase of said circuit, said elements being arranged for displacement in parallel spaced relation and each in an amount proportional to the current in the associated phase, an actuating lever disposed transversely of the direction of movement of said elements and pivotally mounted upon each of said elements at spaced apart points intermediate its ends, and means operatively connecting at least one end of said lever to actuate said switch contacts only upon the occurrence of excessive current in one or more of said phases.

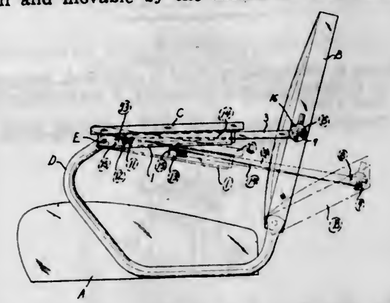
2,494,347
ROLLER TYPE HINGE
Arthur F. Matthews, Ferguson, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 26, 1945, Serial No. 590,492
3 Claims. (Cl. 16—171)



3. A device to provide for relative hinging movement of two elements, comprising roller means for one element and curved track means for the other element, said roller means comprising spaced sets of three rollers each, with the corresponding rollers of the several sets in coaxial relation, said track means comprising a circularly curved rail for each set of rollers with one curved edge of each rail engaging circumferential portions of two rollers of one set and with the opposite curved edge of the rail engaging a circumferential portion of the third roller of said set, said curved rail edges and said circumferential portions of the rollers having cooperating groove and groove engaging surfaces, and said rails being spaced at one end from said other element to provide for their disengagement from said rollers upon continuation of hinging movement in one direction.

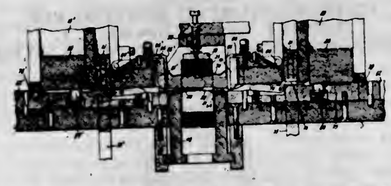
2,494,348
LATCH FOR ADJUSTABLE BACK CHAIRS
Peter H. Mersinger, St. Louis, Mo., assignor to National Machine Company, St. Louis, Mo., a corporation of Missouri
Application April 26, 1947, Serial No. 744,207
4 Claims. (Cl. 155—159)

1. A chair latch in engagement with an adjustable chair and comprising an elongated, hollow, normally horizontal member secured to the arm of said normally horizontal chair and an element slidable within said member and secured to the pivoted back of said chair, means associated with the back of said chair for instituting sliding motion of said slidable element, a spherical spring-controlled part in gripping engagement with wedge faces on said slidable element and a rod having a downward hooked end portion within said slidable element for moving said spherical spring-controlled part out of such gripping engagement to permit adjustment of the back of said chair, said rod also being associated with and movable by the means on said chair



back for instituting sliding movement of said slidable element, said gripping engagement being defective to hold the back of said chair in adjusted position.

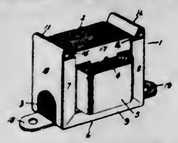
2,494,349
METHOD AND MEANS FOR FORMING STACKED MAGNETIC CORES
Armin F. Mittermaier, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 21, 1946, Serial No. 692,098
7 Claims. (Cl. 29—155.61)



5. In an automatic core stacking machine, a base, an assembly station on said base, a pair of magazines for differently shaped lamination punchings mounted on said base on different sides of said assembly station, means including a rotatable member for successively inserting punchings from said magazines into a core at said assembly station, a driving motor mounted on said base, a spring release electromagnetically engaged clutch for interconnecting said rotatable member and motor, a spring applied electromagnetically released brake for said rotatable member, a relay having an actuating coil and a plurality of normally open contacts, means for connecting certain of said contacts to said clutch and brake so that when said contacts are closed and said clutch is electromagnetically engaged and said brake is electromagnetically released, an energizing circuit for said actuating coil including a pair of manually operable push button start switches connected in parallel, an interlock switch in said circuit in series with said start switches, means for closing said interlock switch only when said rotatable member is in the proper operating position, a normally closed limit switch in said circuit in series with said interlock switch, means for opening said limit switch when said machine has stacked a core to a predetermined height, an auxiliary switch in parallel with said limit switch, and means for opening said auxiliary switch only when all punchings comprising a

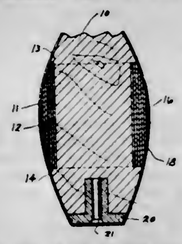
lamination layer of said core are in place, and other of said normally open contacts being connected in parallel with said starting switches so as to act as seal-in contacts for said relay.

2,494,350
CORE CLAMP
Armin F. Mittermaier, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 20, 1948, Serial No. 3,259
1 Claim. (Cl. 175—356)



In combination, a laminated magnetic core having notches running crosswise of the laminations at opposite ends of one side, a generally U-shaped sheet metal clamp of channel-shaped cross section embracing the other sides of said core with the ends of the legs of said member adjacent said notches, the center parts of the ends of the legs of said member extending beyond the channel forming sides thereof and being arcuately curved inwardly toward each other into a generally U-shaped configuration with their ends fitting into said notches for holding said core and clamp together.

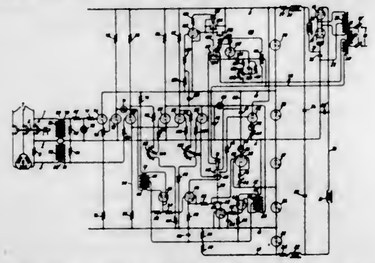
2,494,351
FIBER-REINFORCED BOWLING PIN
Modesto P. Montero, Newark, N. J.
Application December 17, 1947, Serial No. 792,145
1 Claim. (Cl. 273—82)



The combination with a bowling pin having a wound strip of vulcanized fibre in its body portion, of material bonding the turns of said vulcanized fibre together, said material comprising an animal glue containing formaldehyde and an alkali, said alkali giving said animal glue a pH of from 8 to 10 so that said alkali is able to swell said wound strip to close spaces and air pockets in the turns of said wound strip, and said formaldehyde acting to "set" said swollen strip to prevent it from contracting as said glue dries so that no new spaces and air pockets are formed.

2,494,352
ELECTRONIC INTERVAL TIMER
Elmo E. Moyer, Scotia, and Joseph S. Quill, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application February 28, 1945, Serial No. 580,230
7 Claims. (Cl. 175—381)

1. In combination, a direct current supply circuit, a capacitor, an electric valve including a pair of principal electrodes and a control member, means connecting said principal electrodes and said capacitor for energization from said circuit to charge said capacitor at a predetermined rate when said electric valve is conducting, an electric discharge path connected in series circuit with a resistor and in series circuit with a second resistor and a second electric discharge path between voltages of said supply circuit which when selectively applied to the control member of said electric valve will render said electric valve conducting and nonconducting, a control circuit for said electric valve completed through said second resistor and said one of said discharge paths to said voltage of said supply circuit which renders said electric valve conducting and through said other of said discharge paths to said voltage of said supply circuit which will render said electric valve nonconducting, a control member associated with each of said discharge paths for controlling its conductivity means including a pair of impulse circuits for

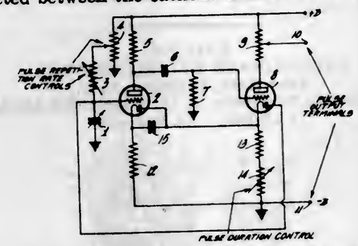


producing voltages of peaked wave form for controlling the energization of said control members associated with said discharge paths and the conduction of said discharge paths, means responsive to an electrical condition for effecting operation of one of said impulse circuits to initiate conduction of said one of said discharge paths and the connection of said control member of said electric valve to said voltage of said supply circuit which renders said electric valve conducting to initiate charging of said capacitor, means responsive to a second electrical condition for initiating operation of the other of said impulse circuits to initiate conduction of said second of said discharge paths and the connection of said control member of said electric valve to said voltage of said supply circuit which renders said electric valve nonconducting and terminates charging of said capacitor whereby the charge on said capacitor is a measure of the time interval between the attainment of said first and second electrical conditions.

2,494,353
ELECTRIC IMPULSE GENERATOR
Edward Arthur Newman, Ealing, London, England, assignor to Electric and Musical Industries, Limited, a British company
Application August 9, 1945, Serial No. 609,890
In Great Britain March 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1964
7 Claims. (Cl. 250—36)

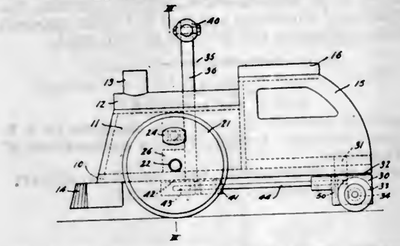
1. An impulse generator comprising a first valve and a second valve each having a cathode and a control grid and which are connected to form a multivibrator so that when one of said valves is conducting the other valve is non-conducting, a capacity connected in the input circuit of said first valve between its control grid and its cathode,

means for applying a direct-current charging voltage to said capacity, an impedance connected in the cathode circuit of said first valve, a second impedance connected in the cathode circuit of said second valve, a capacitor coupling the cathode of the first valve to the cathode of the second valve, and a unilaterally-conducting device connected between the cathode of said second valve



and the high potential side of said capacity with the anode of said device connected to said high potential side whereby said first valve remains non-conducting until the voltage across said capacity rises to a predetermined value when said first valve becomes conducting and said second valve becomes non-conducting and the fall of cathode potential of the latter valve causes said unilaterally-conducting device to become conducting and to discharge said capacity.

2,494,354
TOY VEHICLE
Robert Parke, Buffalo, N. Y.
Application January 9, 1946, Serial No. 639,970
13 Claims. (Cl. 280—1.11)

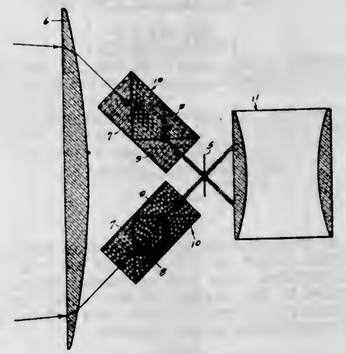


1. A toy vehicle comprising a body representing a well-known wheeled object and forming a seat for the operator, a rotatably mounted axle carried at the forward end of said body and having its axis fixed in relation to the axis of the vehicle, a driving wheel secured to one end of said axle, a driving disk secured to the other end of said axle, pedals secured to said driving wheel and said disk in angularly spaced relation to each other, a second wheel rotatably carried by said axle and adjacent to said disk, and means carried by said body for steering said vehicle.

2,494,355
SALTS OF AROMATIC DITHIOCARBOXYLIC ACIDS AS FUNGICIDES
Philip T. Paul, Naugatuck, and Joseph Bjorn Skaptason, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 1, 1944, Serial No. 561,492
6 Claims. (Cl. 167—30)

1. A fungicidal preparation comprising a powdered solid carrier and a salt of an aromatic dithiocarboxylic acid selected from the group consisting of 1-dithionaphthoic acids and dithiobenzoic acids.

2,494,356
APPARATUS FOR ILLUMINATING IMAGES FOR PROJECTORS
Browning G. Robbins, Walla Walla, Wash., assignor to Glorioscope, Inc., Seattle, Wash., a corporation of Washington
Application July 21, 1947, Serial No. 762,403
3 Claims. (Cl. 88—24)

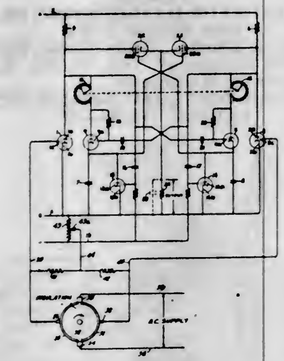


1. An optical system of illuminating photographic images comprising a condensing lens having a greater width than the distance between the eyes of an observer and serving as an apparent source of light directing emerging light rays along converging paths, and associated with two sets of optical means introduced one in one and the other in the other of said converging paths at opposite sides of the optical axis and causing the rays passing therethrough to be dispersed into plane spectra differing in the order of dispersion as between the rays dispersed by one and the rays dispersed by the other of said composite prisms and with the placement of the prisms such that the emerging spectra cross approximately at right angles to one another in the plane of the photographic image.

2,494,357
FREQUENCY RESPONSIVE CONTROL SYSTEM
George L. Rogers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 25, 1946, Serial No. 672,218
5 Claims. (Cl. 250—27)

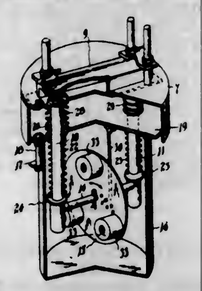
1. A control system comprising in combination, first and second sources of square wave alternating voltages substantially in phase opposition, first and second capacitors, means for charging each of said capacitors during one half cycle of a corresponding one of said voltages to a value dependent upon the frequency and for discharging each of said capacitors at the end of a succeeding half cycle comprising a separate charging circuit for each of said capacitors supplied from a corresponding one of said sources and a separate discharge circuit for each of said capacitors, each of said charging and discharge circuits including an electric valve provided with an anode, a cathode and a control grid, connections

from the control grid and cathode of each of said valves to the terminals of its associated source of square wave voltage and additional connections from the control grid and cathode of each of said charging circuit valves to the terminals of the



other of said sources, a voltage drop device, an additional source of voltage, and electric valve means supplied from said additional source and responsive to the charges on said capacitors for maintaining a current through said voltage drop device proportional to said charges.

2,494,358
VIBRATION DAMPER FOR OVERHEAD CABLES
Louis Rostoker, Toronto, Ontario, Canada
Application January 22, 1949, Serial No. 72,247
10 Claims. (Cl. 174—42)

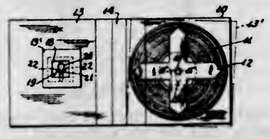


1. In a damping device including a mechanical spring-mass oscillatory system having a resonant frequency substantially determinable by the equation

$$\omega=\sqrt{\frac{k}{m}}$$

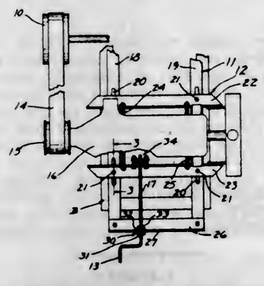
where k is the spring constant and m is the effective mass of the system, a first member adapted to be secured to a body the vibrations of which are to be damped, a second member coupled by a spring to the first member and adapted to oscillate relatively to the first member, means for varying said mass so as to change the resonant frequency of the system the weight thereof remaining substantially constant, comprising an inertia disc rotatably disposed on one member of the oscillatory system, a link connected to the other member of the oscillatory system and connected eccentrically of the inertia disc, whereby linear oscillatory relative movement of the two said members imparts angular movement to the inertia disc so that the mechanical reaction thereof imparts to the linear oscillating member an effective mass the magnitude of which may be varied by adjusting the aforesaid link.

2,494,359
PHONOGRAPH RECORD HOLDER
Fred Roth, Brooklyn, N. Y.
Application November 11, 1942, Serial No. 465,248
4 Claims. (Cl. 206—62)



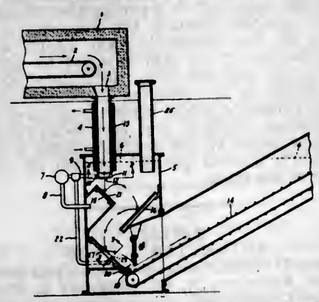
1. A phonograph record holder comprising a bottom member for extending across the bottom of a stack of phonograph records, a top member for extending across the top of said stack of phonograph records, a flexible binding connecting one of the sides of said members, a stud mounted on the bottom member for engaging through the central apertures of said records and latching means on said top member engageable with said stud for locking said record holder closed, said latching means comprising a metallic member attached to the bottom face of said top member and formed with an opening comprising an enlarged central portion through which said stud is adapted to be passed, and a reduced portion, the side areas of which are adapted to engage opposed cutouts formed in the top end of said stud.

2,494,360
BELT TIGHTENER
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application February 17, 1945, Serial No. 578,371
4 Claims. (Cl. 74—242.13)



2. In a belt tightener and engine base, a pair of spaced slotted longitudinally extending members, a base frame slidable relatively to said longitudinal members, and a plurality of bolts rigidly clamped on said base frame and extending through the slots of said members and freely slidable therein while so clamped in said base frame for relatively free guided movement of said base relatively to said longitudinal members.

2,494,361
LIQUID TREATING APPARATUS
Harry E. Scarbrough, Chicago, Ill., and Norman B. Jones, Ballston Lake, N. Y., assignors to General Electric Company, a corporation of New York
Application August 28, 1945, Serial No. 613,094
2 Claims. (Cl. 134—133)



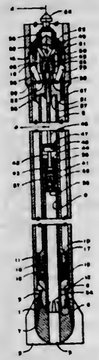
1. Liquid treating apparatus comprising a tank for containing a quantity of liquid, a chute extending downward into said tank through which articles are dropped into said tank, a conduit in said tank adjacent the lower end of said chute and below the surface of the liquid in said tank, and pump means connected to said conduit for supplying liquid to said conduit under a predetermined pressure, said conduit being provided with aperture means for directing a curtain of liquid across the lower end of said chute thereby to prevent splashing of the liquid upward into said chute by articles falling into said tank.

2,494,362
EDUCATIONAL BLACKBOARD
Joseph Schatz, Malden, Mass.
Application July 2, 1946, Serial No. 681,003
2 Claims. (Cl. 35—62)



1. A rectangular writing board device comprising a flat casing having similar large front and rear walls forming writing boards, said front walls having a plurality of window openings aligned therein parallel to one side of the casing a further window opening in said front wall spaced away from said other window openings, a cross support within said casing extending across the same at right angles to said aligned windows and between the same and the further window opening, a pair of wire shafts suspended between said support and one side of the casing, a plurality of pairs of spools, comprising one with a large flange and one with a small flange, the spools having large flanges having sectors projecting through slots in the rear wall of said casing, said spools being mounted for free rotation on one wire and the others on the other wire, endless belts with characters thereon wound over each pair of spools such that the characters may register before a window a further pair of rollers having one end journalled in said support and the other end passing through the end support of the casing, a belt having characters appearing thereon attached at each end to said last pair of rollers and knobs attached thereto externally of said case for winding and unwinding said belt, said belt registering with the last mentioned window.

2,494,363
CORE BARREL
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Original application December 21, 1939, Serial No. 310,284. Divided and this application December 23, 1944, Serial No. 569,473
4 Claims. (Cl. 255—72)

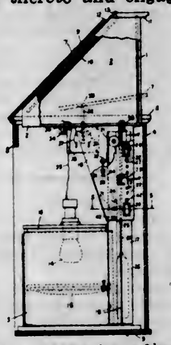


1. A pressure retaining coring assembly to recover a core on the surface of the ground at the same pressure the core left the formation, comprising a string of drill tubing, a core barrel adapted to be lowered into and raised completely out of the string of drill tubing during normal drilling operations, a bit having a passage in the center thereof attached to the end of the drill tubing to cut a core, the core when cut passing upwardly through the passage in the bit and into the lower end of the core barrel, a valve means arranged adjacent the lower end of the core barrel adapted when open to pass said core barrel and when closed to seal the lower end of said core barrel, said core barrel passing through said valve during the coring operation, and means carried by said core barrel for breaking off the core below said valve at the end of said coring operation.

2,494,364
VERTICALLY EXTENSIBLE PROJECTION TELEVISION RECEIVER CABINET
Robert J. Shaw, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 8, 1947, Serial No. 720,700
1 Claim. (Cl. 312—7)

In a television receiver, a cabinet, a base portion rigidly fixed within said cabinet, vertical supporting members mounted on said base por-

tion and a vertically movable housing supported by said supporting members, said movable housing having a plurality of brackets mounted thereon, said brackets having a plurality of rolling members fixed thereto and engaging said supporting members, means for adjusting said rolling members for aligning said movable housing with said base portion and counterweight means within said supporting members for facilitating vertical movement of said vertical housing.



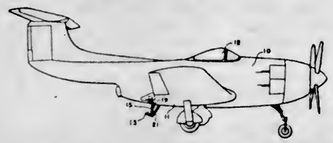
2,494,365
GENERATOR FAULT PROTECTION
Hubert R. Sills, Peterborough, Ontario, Canada, assignor to General Electric Company, a corporation of New York
Application December 20, 1944, Serial No. 568,967
In Canada March 16, 1944
5 Claims. (Cl. 175—294)

5. An arrangement for protecting a separately excited multiphase alternating current generator from damage resulting from persistence of an arc arising from a fault in its armature winding which is connected to an alternating current system by a circuit interrupter comprising means responsive to the occurrence of a fault in said armature winding for effecting the opening of said interrupter and the completion of a short circuit across the armature terminals of said generator.

2,494,366
PRODUCTION OF FATTY ESTERS
Francis J. Sprules, Arlington, N. J., and Donald Price, New York, N. Y., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 15, 1947, Serial No. 761,160
11 Claims. (Cl. 260—410.9)

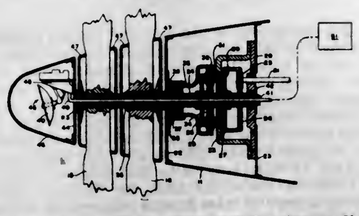
1. In a process for producing alkyl esters of fatty acids, the steps comprising transesterifying fatty materials having acid values of at least one by contacting said fatty materials with at least two moles of a monohydric alcohol per fatty acid equivalent, said monohydric alcohol containing from one to eight carbon atoms, in the presence of a sufficient amount of an alkaline catalyst to neutralize the free fatty acids in the fatty material and provide a slight excess of alkaline material to serve as the transesterification catalyst, heating the mass for a short time to effect transesterification, adding a sufficient amount of an acid catalyst to split the soaps in the reaction mass, neutralize the alkaline catalyst in the reaction mass, and provide a slight excess of acidic material to serve as an esterification catalyst, and then esterifying the free fatty acids in the reaction mass with the monohydric alcohol present therein by further heating of the mass.

2,494,367
RETRACTABLE STEP
Frederick I. Steele, Columbus, Ohio, and Jesse M. Heath, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application March 20, 1947, Serial No. 735,996
9 Claims. (Cl. 244—129)



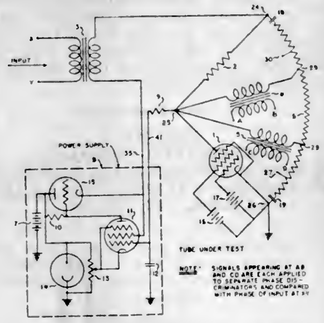
1. In combination with an airframe having a pair of openings therein, a step and an articulated hanger therefor, said hanger being secured within said airframe and being extensible to carry the step outwardly through one of said openings, a member pivotally connected to the airframe and to said hanger for bracing the latter in the extended position thereof and when retracted for closing said one opening, a closure for the other of said openings pivoted to the airframe to open inwardly, said closure having movable therewith a latch for engaging and holding said member closed when said closure is in closed position and for releasing when said closure is opened.

2,494,368
ARRANGEMENT OF AIRCRAFT PROPULSION AND RADIO VIEWING COMPONENTS
Frederick I. Steele and Addison O. Willis, Columbus, Ohio, assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application April 30, 1947, Serial No. 744,874
5 Claims. (Cl. 244—1)



1. A propeller driven aircraft having radio direction and ranging equipment, comprising an aircraft body within which said equipment is mounted, a support member having a channel therethrough, said member extending forwardly from said body, a scanner for said equipment supported upon the forward end of said support member, a wave conducting tube connecting the scanner with said equipment within said body, said wave conducting tube extending through the channel of said support member, a radome housing said scanner, said radome being supported by said support member in generally symmetrical relation to the longitudinal axis of the support member, a pair of coaxial tubular propeller shafts extending around the support member, a propeller mounted on each of said shafts, means on the aircraft body journaling said shafts for independent rotation, a power plant in said body, and gearing between said power plant and said shafts for rotating the latter in opposite directions.

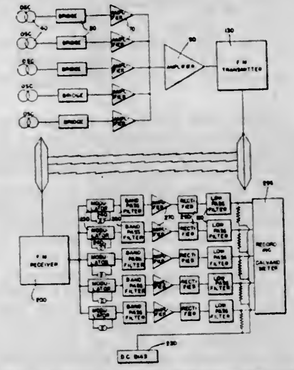
2,494,369
TUBE TESTING CIRCUIT
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 14, 1945, Serial No. 577,833
3 Claims. (Cl. 315—368)



1. In a system for measuring the anode resistance of a vacuum tube having an anode, grid and grounded cathode, a bridge circuit, the plate cathode circuit of said tube under test comprising one branch of said bridge, means for biasing the grid of said tube, a grounded source of power for said bridge, and means controlled by the potential on the anode of the tube being measured for controlling the output of the source of power and maintaining the anode potential of the tube under test constant.

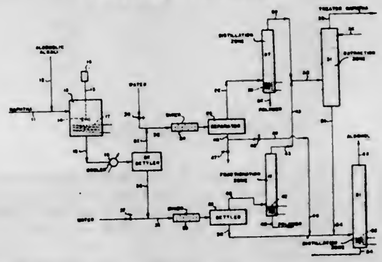
2,494,370
MULTICHANNEL TELEMETERING SYSTEM WITH IDENTICAL BAND-PASS FILTERS
Karl D. Swartzel, Eggertsville and Carl L. Frederick, Williamsville, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application February 8, 1945, Serial No. 576,862
8 Claims. (Cl. 177—351)

1. Apparatus for transmitting, receiving and recording a plurality of measurements by means of radio waves: comprising a plurality of transmitting oscillators transmitting sub-carrier signals at a plurality of different frequencies each exceeding ten kilocycles per second; a plurality of bridge circuits; connecting means for modulating the output signal from each of said oscillators with the output of a said bridge circuit; a radio frequency transmitter having an output signal modulated by the output of all of said transmitting oscillators; a radio frequency receiver; a plurality of receiving channels fed by said receiver, each channel including a receiving oscillator arranged to modulate the channel signal and a band pass wave filter, the frequencies satisfying the formula: $mP+nQ=F$,



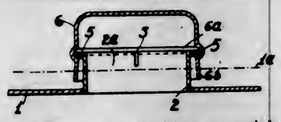
where P and Q are the frequencies of a said transmitting oscillator and said receiving oscillator, F is the frequency of the pass band of said wave filter, and m and n are any positive or negative integers; each channel also including an amplifier and a rectifier; and means for recording the residual signals from each channel.

2,494,371
METHOD FOR REMOVING OXYGENATED ORGANIC COMPOUNDS FROM HYDROCARBONS
Edward Frank Wadley, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application October 17, 1947, Serial No. 780,504
2 Claims. (Cl. 196—41)



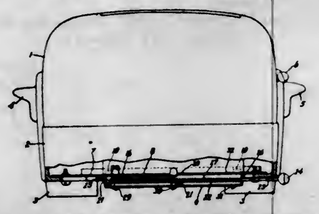
1. A method for treating hydrocarbons contaminated with organic acids, esters, ketones, alcohols, and aldehydes which comprises admixing the contaminated hydrocarbon with a solution of an alkali metal hydroxide in anhydrous methyl alcohol at a temperature in the range between 150° and 600° F. for a time in the range from 0.5 to 12 hours to cause substantially complete saponification of said contaminating compounds, subsequently settling the admixture to separate a hydrocarbon phase therefrom, and contacting said phase with an alcoholic solvent to recover hydrocarbons substantially free of said contaminating compounds.

2,494,372
BUBBLE CAP CONSTRUCTION
Robert A. Wilson, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 2, 1948, Serial No. 63,040
4 Claims. (Cl. 261—114)



1. A bubble cap assembly comprising a riser element having an inner end supported on a bubble cap tray and opening therethrough, and an outer end, integral spring portions at the outer end of said element arranged circumferentially thereof, a radial projection on each spring portion extending outwardly from the outer end of said element, a bubble cap of greater diameter than said riser telescopically disposed over the outer end of said riser element, including the integral spring portions, in radially spaced relation thereto, said cap having a top and a dependent wall, and an annular groove portion disposed intermediate the top of the cap and the lower edge interiorly of said dependent wall, said groove portion adapted to receive and to engage said radial projections in substantially rigid relation by compression of the spring portions through said projections, said projections and spring portions supporting the cap with the top thereof in vertically spaced relation to the upper end of said riser element and the lower edge of said cap in vertically spaced relation to the tray.

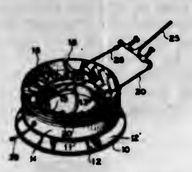
2,494,373
CRUMB SCRAPER AND EJECTOR
Allan M. Young, Meriden, Conn., assignor to General Electric Company, a corporation of New York
Application January 27, 1948, Serial No. 4,574
5 Claims. (Cl. 99—400)



4. In a toaster having a toasting compartment and a base below the compartment with a horizontal surface to collect crumbs, a scraper movably mounted in the base, movable across the surface to loosen crumbs, said surface having an opening therein in the path of movement of the scraper so that loosened crumbs will be pushed through the opening by the scraper in one position of the scraper, and said scraper covering said opening in another position of the scraper so that crumbs will not normally drop through said opening.

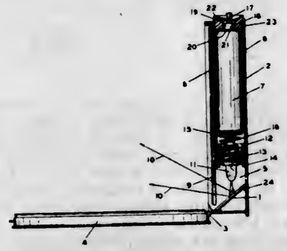
2,494,374
OIL BURNING FURNACE WITH SEPARABLE BURNER ASSEMBLY RINGS THEREFOR
Earl R. Baker, Windsor, N. C.
Application January 14, 1946, Serial No. 641,050
9 Claims. (Cl. 126—94)

1. An oil burning furnace comprising a base of upper and lower rings with spaced supports connected between said rings and spaced to permit passage of air therebetween, a burner ring oil trough assembly mounted on said base and comprising an annular trough with an outer ring and intermediate spaced V-shaped connecting cups, a deflector ring mounted on said assembly, said deflector ring including inclined vanes on its inner surface, a hood having a depending sleeve housing said deflector ring and said assembly, a fuel supply pipe closely encircling said deflector ring



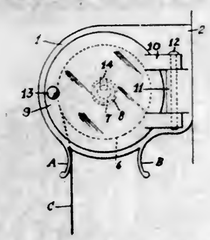
and terminating adjacent the upper portion of said trough for discharging fuel thereinto, said deflector ring having each vane disposed substantially in alignment with one side of a corresponding intermediate cup, said burner ring having its outer side slightly taller than its inner side and provided with passageways in the outer rim of the annular trough for the flow of oil from the annular trough into the intermediate cups, and an overflow pipe for preventing over accumulation of oil in said annular trough.

2,494,375
ILLUMINATED COMPACT
Earl M. Bates and Hannah Bates, Chehalis, Wash.
Application March 24, 1948, Serial No. 16,726
3 Claims. (Cl. 132—83)



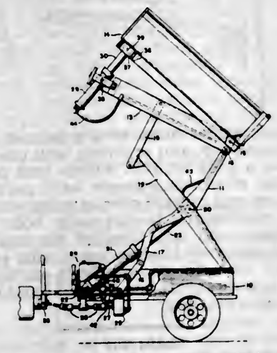
1. A compact comprising a container portion and a mirror supporting cover hinged thereto, a compartment extending transversely of said cover behind said mirror, an opening through said mirror into said compartment, a thimble within said compartment and supporting a light bulb behind said mirror adjacent said opening, a battery within said compartment behind said thimble, a spring seated against said battery casing and coiled about the threaded base of said light bulb to bias said battery from said bulb but complete one side of an electric connection therebetween, an aperture in the end of said compartment behind said battery, a finger-operated plunger seated against said battery and extending through said aperture to be manually depressed to force said battery into contact with the base of the bulb to complete the circuit therethrough, and a second mirror angularly positioned in said compartment behind said opening to reflect light from said bulb outwardly therethrough.

2,494,376
FIXTURE SUPPORT FOR TOILET PAPER
Charles O. Coon, Wichita, Kans.
Application January 31, 1946, Serial No. 644,573
1 Claim. (Cl. 242—55.2)



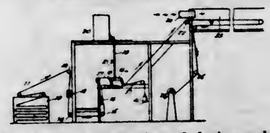
In a fixture support for toilet paper, the combination of a casing being partially arcuate in cross section and connecting with an outward extension as mounting means for the fixture, one end of said casing being permanently closed, a hingedly connected transparent circular door for the other end of the casing through which to observe a roll of paper placed in the arcuate portion of the casing, a hollow spindle axially positioned in the arcuate portion of the casing and being carried by first said end of the casing, said spindle receiving the roll of paper thereon with frictional engagement to avoid easy rotation of the roll when jerked, latch means carried by the door engaging frictionally within the spindle to retain the door closed, said arcuate portion of the casing having a comparatively large opening through which the free end of the toilet paper will extend, said opening being enlarged to provide passage of an operator's hand into the casing, and oppositely positioned lips for the opening, extending downwardly an appreciable distance to tear the paper below the arcuate portion of the casing to expose a free end of the paper between the lips.

2,494,377
DUMP TRUCK
Anthony L. Cresci, Vineland, N. J.
Application December 11, 1945, Serial No. 634,320
2 Claims. (Cl. 298—11)



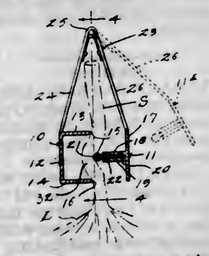
2. In combination, a dump truck including a main frame, a sub-frame and a body, a pair of crossed levers, each of said levers having a pivotal connection at one end with said main frame and a pivotal connection at its other end with said body, a source of fluid under pressure, a cylinder connected at one end to said main frame, a piston in said cylinder and pivoted to said crossed levers, means for supplying fluid under pressure from said source to said cylinder for simultaneously elevating said levers and tilting said sub-frame in one direction, a pivotal connection between said sub-frame and said body, an auxiliary cylinder pivoted to said sub-frame, a piston in said auxiliary cylinder and pivoted to said body, and means for supplying fluid under pressure from said source to said auxiliary cylinder for tilting said body in said one direction with respect to said sub-frame.

2,494,378
APPARATUS FOR STRIPING FABRICS
Lyall Netherton Dexter, Glen Iris, Victoria, Australia
Application November 29, 1946, Serial No. 712,927
In Australia November 30, 1945
7 Claims. (Cl. 91—12)



1. Apparatus for coloring fabrics which comprises means for moving a length of fabric longitudinally, a trough disposed transversely of and above the fabric, front and rear walls on the trough, partitions extending between the front and rear walls of the trough and parallel to the direction of travel of the fabric, a series of open-bottomed cells formed in the trough by the partitions and which are adapted to contain liquid coloring materials, the lower edges of the partitions being curved longitudinally so that the highest portions of the curve are adjacent to the front and rear walls, the front portions of the lower edges of the partitions being tapered towards the front wall to form sharp apices at said front wall, and the lower portion of the front wall being tapered downwardly towards its lower edge to form a sharp lower edge meeting the sharp apices of the lower edges of the partitions, a flexible band extending beneath the fabric as it passes beneath the trough, means for tensioning the flexible band in order to maintain the fabric in pressure contact with the lower edges of the front and rear walls and with the curved lower edges of the partitions, and means for supplying liquid coloring materials to the cells.

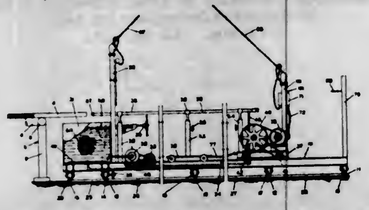
2,494,379
TOBACCO LATH
Paul E. H. Droemer, Hartford, Conn.
Application May 12, 1947, Serial No. 747,352
1 Claim. (Cl. 294—5.5)



A tobacco lath comprising a pair of elongated clamping members, one of said members being

channel-shape and the other of said members being T-shape in transverse section and comprising a head and a stem said stem forming a single jaw engageable between the sides of the channel, a flexible resilient cushion member carried by said single jaw, and means hingedly securing said members together whereby tobacco leaf stems of various thicknesses may be clamped for sliding movement along the length of said lath.

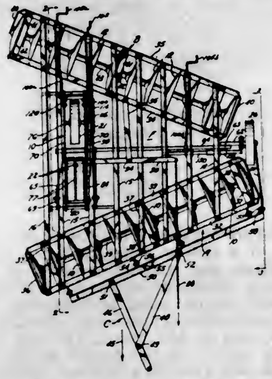
2,494,380
GUIDED CARRIAGE MEANS FOR FLUSHING THE INTERIOR OF LENGTHS OF PIPE
Carl G. Ellig, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 10, 1945, Serial No. 634,052
2 Claims. (Cl. 134—168)



1. A pipe cleaning device comprising in combination a pipe rack constructed and disposed to support a plurality of parallel pipes in a substantially horizontal plane but with the longitudinal axes of said pipes sloping downward enough to permit gravity draining of liquid out of the same ends of said pipes, a first carriage constructed and disposed to move transversely of the longitudinal axes of said pipes adjacent said ends of said pipes, a tank mounted on said first carriage constructed and disposed to receive liquid draining by gravity from said ends of said pipes, a second carriage mounted on said first carriage and constructed and disposed to move on said first carriage along the longitudinal axis of any one of said pipes depending on the position of said first carriage, a pipe cleaning tool comprising a tube mounted on said second carriage and constructed and disposed to move with said second carriage and for one end to enter and be withdrawn from any one of said pipes depending on the position of said first carriage, a head having outwardly directed jet forming holes communicating with said tube mounted on said end of said tube, a collar of diameter suitable to enter said pipes mounted on said tube adjacent said head, means mounted on said first carriage adjacent said ends of said pipe disposed to position and guide said tube in its movements, means to pump liquid from said tank into said tube, means to drive said first carriage in said movements and means to drive said second carriage in said movements.

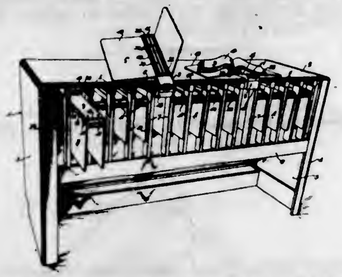
2,494,381
ELEVATIONAL CONTROL MEANS FOR TANDEM DISK HARROWS
Russell T. Evans and John H. Classen, Anaheim, Calif., assignors to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application April 25, 1944, Serial No. 532,575
14 Claims. (Cl. 55—73)

2. In combination in a harrow having a main frame carrying a forward gang and a rearward gang of cultivating tools and having hitch means for drawing the harrow forward: a ground wheel disposed near one side of said frame to support the same; a forward ground wheel and a rearward ground wheel adjacent the opposite side of said frame; a longitudinally extending carriage in opposite ends of which said forward and rearward ground wheels are mounted; means carried by said frame and connected with the forward end



of said carriage for adjusting the vertical relationship between said forward ground wheel and said frame; and means carried by said frame and connected with the rear end of said carriage for adjusting the vertical relationship between said rearward ground wheel and said frame.

2,494,382
BOOK SUPPORT
Harry Richard Faulkner, Joseph Newland Pettus, and John Rodman Bradshaw, Stanford, Ky.
Application January 9, 1948, Serial No. 1,323
16 Claims. (Cl. 312—34)

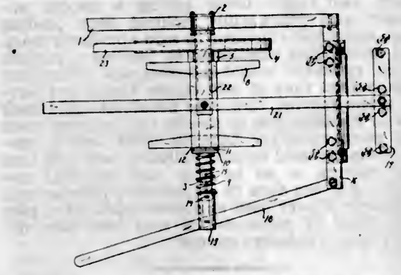


1. A book holder comprising a cabinet having a flat unbroken top, and provided with one or more partitions, a book support within said partitions comprising channels between said partitions, a carrier, one end of said carrier being disposed in parallel relationship to the main body thereof, means upon said end adapted for engagement with said channels thereby permitting reciprocal movement of said carrier, said carrier being swiveled to permit rotation thereof to a horizontal position upon said top.

2,494,383
WIRE REELING ATTACHMENT FOR TRACTORS
John E. Foran, Bement, Ill.
Application January 23, 1948, Serial No. 3,960
7 Claims. (Cl. 242—93)

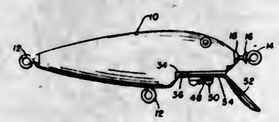
1. A wire reeling attachment for a tractor frame comprising a spindle; means for securing

said spindle to the frame of the tractor so that the spindle projects from the frame; a pulley rotatably mounted on said spindle; a reel supporting sleeve rotatably mounted on said spindle and engageable with said pulley; means to urge said sleeve into engagement with said pulley; a stationary wire guide supported on the tractor



frame; a movable wire guide; a lever to move said movable guide and operatively associated with said stationary guide, said movable guide threading wire across said reel and said stationary guide confining the wire threading within the length of said reel; and a lever connected between said stationary guide and said means to provide an outboard support for said spindle.

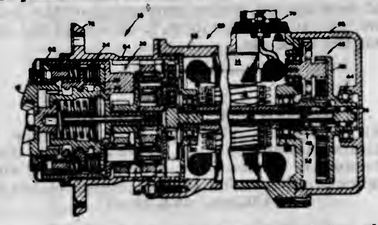
2,494,384
FISHING LURE
Thaddeus S. Gadzinski and Zigmund F. Gadzinski, Hamtramck, Mich.
Application December 14, 1948, Serial No. 65,102
3 Claims. (Cl. 43—42.22)



3. In a fish lure; an anchor plate, means for removably retaining said anchor plate on the lure body, a deflecting spoon, means for adjustably retaining said spoon upon said anchor plate, and a bracing means on said anchor plate for retaining said spoon in a fixed position thereon, said deflecting spoon including a bifurcated shank, said anchor plate being substantially L-shaped, and said bracing means including slots in the shorter leg of said anchor plate for receiving the furcations of said spoon shank.

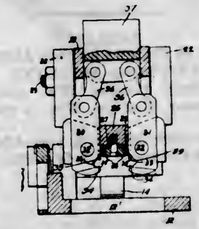
2,494,385
ENGINE STARTER LIQUID LOCK DETECTOR
Samuel Gilbert, Cedar Grove, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application May 10, 1948, Serial No. 26,135
6 Claims. (Cl. 74—7)

1. In combination in an engine starter, a starter member at the front end of the starter adapted to rotate an engine element to start the engine, a motor including a reversible rotor having a hollow shaft, bearings for the shaft, forwardly and rearwardly of the rotor, a pinion forwardly of the front bearing having a shaft extending rearwardly through and beyond the inner end of the rotor shaft, means between the pinion and the starter member including a front gear train for driving the starter member by the pinion at a speed for starting the engine, a rear gear-train bearing, a rear gear-train between the rear rotor bearing and the gear-train bearing having an input gear connected to the rotor shaft and an output gear journaled in the rear gear-train bearing, and clutch means including an overrunning clutch between the input gear and the pinion shaft and an overrunning clutch



between the output gear and the pinion shaft and responsive to rotation of the rotor shaft in starting direction for causing the starter member to rotate in starting direction at the engine starting speed and to rotation of the rotor shaft in the opposite direction for rotating the starter member in starting direction at a speed sufficiently reduced from the starting speed to indicate and/or clear a hydraulic lock from an inverted cylinder of the engine free from damage.

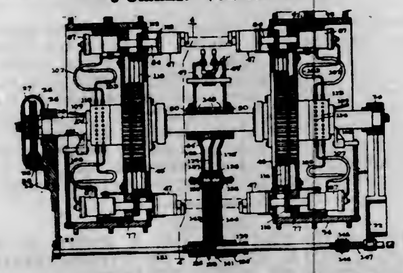
2,494,386
APPARATUS FOR MAKING A JOINT IN A FLAT METAL SLEEVE FOR OVERLAPPING PORTIONS OF METAL STRAPPING
William Charles Gillman, Hanwell, London, England, assignor to Packers Supply Company Limited, New Malden, Surrey County, England, a company of Great Britain
Original application November 25, 1944, Serial No. 565,135. Divided and this application November 28, 1945, Serial No. 631,321. In Great Britain October 23, 1943
2 Claims. (Cl. 81—9.1)



1. Apparatus for making a joint with a flat metal sleeve for overlapping portions of metal strapping, comprising a body, a die fixedly mounted on said body, two sets of projections on the working face of said die and extending in a direction away from said face, said projections being adapted to form two sets of indentations on one face of the joint to be formed, a pair of levers pivotally mounted on the body, a working die face on each of said levers opposed to said first mentioned working die face, adapted, when the levers are rocked about their pivots, to co-operate with the fixed die to clench the joint, and projections on the working die face of each of said levers, said projections extending in a direction away from the die faces of said levers and towards the face of the fixed die and being adapted to

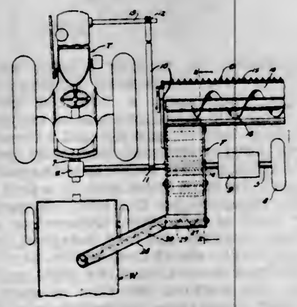
form the indentations on the other face of the joint; two projections, one on each of the pivoted levers, said projections moving with the pivoted levers and extending, in the same general direction as the two sets of projections on the fixed die, towards the surface of the joint adjacent the fixed die when the levers are in the clenching position, and engaging said surface, near its edge, by moving through the plane of the working face of the fixed die and in a general direction away from said face during return movement of the levers after formation of the joint, to disengage the joint from the fixed die.

2,494,387
GLASSWORKING MACHINE
John S. Harker, Vineland, N. J., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 10, 1943, Serial No. 501,875
6 Claims. (Cl. 49—7)



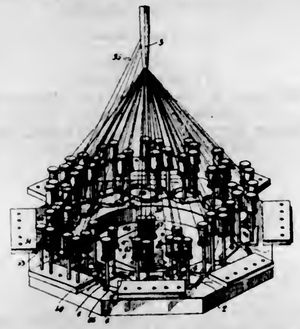
1. A glass-working machine of the class described comprising a plurality of oppositely aligned chucks arranged to hold glass ware, a pair of carriers for said chucks, means supporting reciprocating said chucks axially of said carriers, means for opening and closing said chucks including fluid operated actuators, and valve means operated in timed relation with said carrier for controlling the supply of fluid to said actuators.

2,494,388
COMBINATION HARVESTING AND ENSILAGE CUTTING MACHINE
Sherman C. Heth, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application June 16, 1944, Serial No. 540,580
3 Claims. (Cl. 56—23)



1. In an ensilage harvester, a cutter part including a cutting cylinder having a plurality of cutting elements movable in a substantially cylindrical path and an abutment plate in working relation to said cutting elements, a header part associated with the cutter part including a cross conveyor housing and a feeder house, a cross conveyor in said cross conveyor housing, said cross conveyor housing leading to said feeder house, said feeder house having a smooth upwardly and rearwardly inclined deck leading from said cross conveyor to said abutment plate, said deck being positioned to provide a surface which, extended, would intersect said cylindrical path, a feed rake in said feeder house and having a run moving upwardly proximate said deck and so positioned as to receive cut material from said cross conveyor beneath itself and to deliver same to said cutting cylinder, and said feed rake moving so as to slide said material upwardly over the deck in a controlled manner and to deliver it over said abutment plate at a rate determined by movement of said feed rake, directly to said cutting cylinder.

2,494,389
BRAIDED PRODUCT AND METHOD FOR PRODUCING THE SAME
Norman C. Jeckel, Glens Falls, N. Y.
Application June 22, 1946, Serial No. 678,595
20 Claims. (Cl. 87—11)

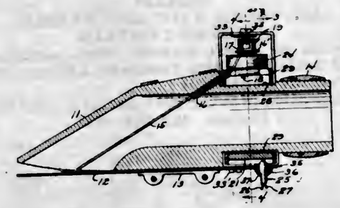


1. The method braiding a tubular product of varying diameter over a length thereof which comprises braiding a plurality of threads at least some of which are made up of a plurality of independent strands to form a tubular braided fabric, and changing the diameter of the braided product by changing the number of strands making up at least some of said threads entering the braiding operation.

2,494,390
ELECTRICAL PICKUP
Alfred Johnson, Buffalo, N. Y.
Application July 7, 1947, Serial No. 759,367
4 Claims. (Cl. 84—1.15)

1. In an electrical pick-up for wind instruments having a mouthpiece with a transverse peripheral recess intermediate the ends and having a reed and also a vibrator engaging the reed and extending diagonally through the mouthpiece, an armature comprising a plate with upwardly spaced laterally extended arms, a U-shaped magnet having arms connected by a thin base positioned in the recess of the mouthpiece, said magnet having a square inner area and the part of the mouthpiece positioned in the magnet being correspondingly shaped providing positioning means between

the parts, a resilient liner between the mouthpiece and magnet, pole pieces having coils thereon removably mounted on the ends of the arms of the magnet, stabilizing brackets with opposed U-



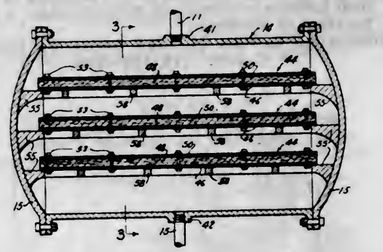
shaped fingers at the upper ends between which the ends of the laterally extended arms of the armature are positioned, and resilient material lining the inner surfaces of the said U-shaped fingers.

2,494,391
FIRE-RESISTANT OPAQUE WINDOW SHADE MATERIAL AND PROCESS OF MAKING SAME
Charles C. Johnson and Raymond E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 28, 1947, Serial No. 751,143
10 Claims. (Cl. 8—18)

10. The process of preparing fire-resistant, light colored, opaque window shade material, which comprises dyeing woven cotton sheeting black, coating said dyed sheeting approximately equally on each side with a composition comprising polyvinyl chloride resin, antimony oxide and plasticizer dispersed in a volatile liquid, the antimony oxide being present in amount not less than 20% of the combined weight of antimony oxide and polyvinyl chloride resin, applying approximately equal amounts on each side over said first mentioned coating a second coating comprising polyvinyl chloride resin, titanium dioxide and plasticizer dispersed in a volatile liquid, the ratio of total pigment to the polyvinyl chloride resin being between 60 parts of total pigment to 40 parts of polyvinyl chloride resin and 70 parts of total pigment to 30 parts of polyvinyl chloride resin, at least 50% of the total pigment in said second coating being titanium dioxide, and drying the coating after each successive coat by passing through a heated chamber, the total weight of the coatings being less than about 4 ounces per square yard.

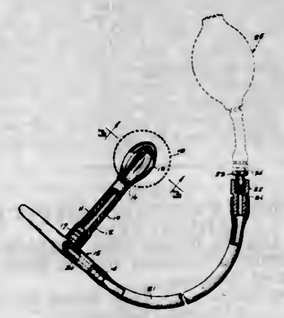
2,494,392
PROCESS AND APPARATUS FOR TREATING EMULSIONS
Chalmer G. Kirkbride and Theodore A. Burtis, College Station, Tex., assignors to Texas A. and M. Research Foundation, College Station, Tex., a corporation of Texas
Application January 7, 1946, Serial No. 639,662
14 Claims. (Cl. 252—324)

1. The process of removing salt water from petroleum emulsions in which the salt water is contained as the dispersed phase, which comprises passing the emulsion at a temperature within the range of 200° to 400° F., through a series of individually supported beds of closely packed glass fibers arranged to provide for a pressure drop of less than 50 lbs. per square inch across each bed, whereby progressive coalescence of the



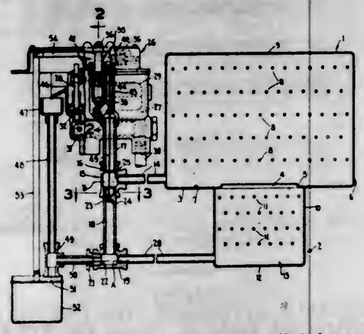
dispersed phase takes place, and then separating the coalesced portion from the remainder.

2,494,393
REMOVABLE APPLIANCE FOR USE AS AN ARTIFICIAL DAM IN CASES OF RECTAL INCONTINENCE
Otis F. Lamson, Seattle, Wash.
Application February 5, 1949, Serial No. 74,745
7 Claims. (Cl. 128—1)



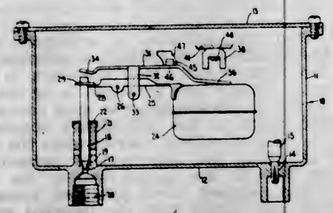
7. A removable appliance for artificially damming the rectum of an individual afflicted with rectal incontinence and which comprises, in combination: a flexible tube arranged to be inserted by its forward end through the anal canal into the lower region of the individual's bowels; an inflatable balloon member carried upon the inner end of said tube and ballooned by pressure air delivered through the center duct of the tube, said balloon member, when collapsed, being arranged to pass freely with the inserted end of the tube through the anal canal into and from an operating position within the bowels and, upon being there inflated, acting to bear against the internal mouth of the canal throughout the perimeter of the latter, means being provided for supplying a controlled volume of pressure air from a point outside the body through said tube to the balloon while the latter occupies its operating position within the bowels; and a fitting securely carried upon the outer end of the tube arranged to take a bearing purchase within the gluteal cleft for resisting inward pull transmitted from the inflated balloon to the tube.

2,494,394
HEATING APPARATUS AND FUEL FLOW CONTROLLING MEANS THEREFOR
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application October 11, 1943, Serial No. 505,744
7 Claims. (Cl. 158—36)



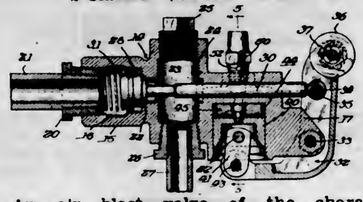
2. In a heating apparatus, a pilot burner, a main burner superposed on said pilot burner and having a bottom wall aperture communicating directly with the interior of said pilot burner, a lateral feed pipe for supplying liquid fuel into the base of said main burner, a lateral feed pipe for supplying liquid fuel into the base of said pilot burner, an upright pipe feeding said lateral pipes and having a flow restricting orifice therebetween, a constant level liquid chamber having an outlet discharging into said upright pipe above said orifice, a metering valve in said outlet, and safety means operable after occurrence of excess liquid level in said pilot burner to cut off flow of liquid fuel to said upright pipe.

2,494,395
MAGNETICALLY OPERATED SAFETY VALVE CLOSING DEVICE
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 13, 1944, Serial No. 518,057
8 Claims. (137—68)



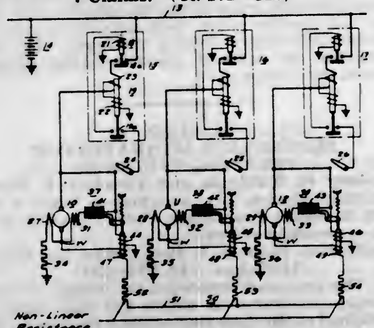
5. In a liquid level control device, a casing having a liquid receiving chamber with an inlet, a valve controlling flow through said inlet, a pair of superposed levers fulcrumed in said casing, a float member carried by one of said levers, the other of said levers having an end portion operable to close said valve, the other end portion of said other lever overlying said float member for movement thereby and for free pivotal movement away from said float member, said other end portion being magnetic, and a magnetic member in said casing and cooperable with said magnetic other end portion to pivot said lever other end portion away from said float member thereby to cause said first-named end portion to close said valve.

2,494,396
AIR VALVE WITH ADJUSTABLE SHUTOFF CONTROL
Frederick M. Littell, Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1946, Serial No. 673,554
2 Claims. (Cl. 251—134)



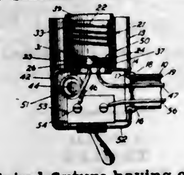
1. An air blast valve of the character described, in combination, a body portion having an air passage provided with a valve seat, a valve for said seat having a stem extending through the body portion and projecting from the forward end of the same, resilient means located rearwardly of the valve in contact therewith for maintaining the valve closed, a lever member pivoted to the forward end of the body portion and operative to reciprocate the stem to cause opening of the valve upon pivotal movement of the lever member in one direction, said forward end of the body portion providing a chamber, a piston within said chamber, means operatively connecting the piston and said lever member so that the piston has a suction stroke upon pivotal movement of the lever to open the valve and has a compression stroke upon pivotal movement of the lever for closing the valve, and other means controlling the admission to and discharge of air from said chamber, whereby the pivotal movement of said lever member is delayed in a direction to delay losing of the valve.

2,494,397
ELECTRIC GENERATING SYSTEM
Robert J. Lusk, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1947, Serial No. 778,445
7 Claims. (Cl. 171—312)



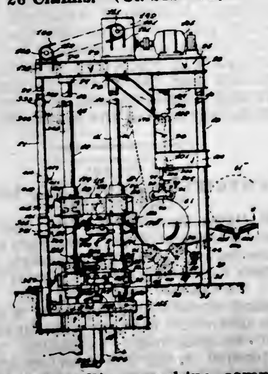
1. In combination, a plurality of direct current generators adapted to be individually driven by separate prime movers for supplying power to a common load, voltage regulators individual to each generator operable in response to the voltages of their respective generators to control the excitation thereof and thereby the voltage of the generators within a predetermined speed range thereof, said regulators having electrically interconnected auxiliary windings effective to cause the regulators to maintain a predetermined division of the total load between the generators, and non-linear resistors individual to each regulator disposed in the electrical connections therebetween in series circuit relation with the auxiliary windings, said resistors functioning to limit the flow of equalizer current between the auxiliary windings of the regulators when anyone of the generators is operating below said predetermined speed range, thereby to prevent an excessive drop in the system voltage under such conditions.

2,494,398
ELECTRICAL FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application October 12, 1946, Serial No. 703,083
2 Claims. (Cl. 240—73)



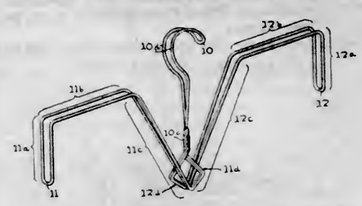
1. An electrical fixture having a hollow mounting bracket with a housing supported at one end thereof such that said bracket has one end projected within said housing, a socket means positionable within said housing including a socket member, a substantially inverted cup shaped base member, means securing said socket member to the top wall of said base member, with said base member being of a size to be frictionally received within said housing and having a slot in the side wall thereof for receiving the projected end of said bracket, and electrical connections for said socket means extended through said bracket and into said base member.

2,494,399
COIL TAIL PULLING APPARATUS
Odd H. McCleary, Ellwood City, Pa.
Application April 11, 1945, Serial No. 587,813
26 Claims. (Cl. 242—78)



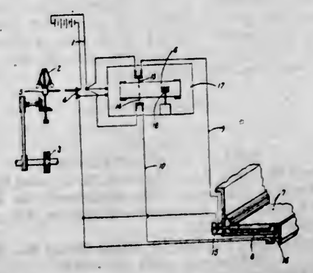
1. A coil tail pulling machine comprising a plurality of horizontally disposed rollers adapted to receive a coil of strip material, a tail puller device movable laterally of said rollers for grasping the tail end portion of said material, power means for moving said puller device away from said rollers and the coil to unwind said tail end portion, and driving means arranged for operation simultaneously with said power means to rotate the coil as the tail end portion is withdrawn.

2,494,400
TROUSER HANGER
Edwin T. McNutt, Jr., Darlington, Md.
Application April 18, 1946, Serial No. 663,013
3 Claims. (Cl. 223—95)



1. A trousers hanger including a vertical shank member having means at the upper end thereof for suspending the same in substantially a vertical position, a pair of arms secured to the lower end of said shank and extending in opposite directions therefrom, each of said arms being formed of two substantially parallel strands of resilient wire secured to the lower end of said shank and joined at their outer ends to form a loop, and each arm comprising an inner section extending outwardly and upwardly from the lower end of said shank, an intermediate section extending horizontally outwardly from said first section, and an end section embodying said loop extending downwardly from said intermediate section, the wire strands forming one side of the two arms being arranged in a common plane lying on one side of said shank, and the strands forming the other sides of the two arms being arranged in a common plane parallel with said first plane and lying on the opposite side of said shank.

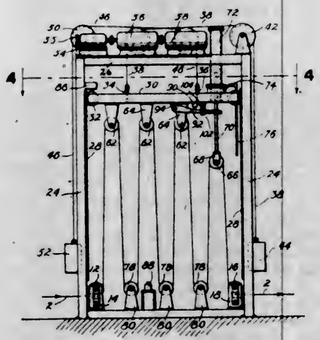
2,494,401
DEVICE FOR COUNTING PERSONS ASCENDING AND DESCENDING A FLIGHT OF STEPS
Paul André Meuriot, Paris, France
Application August 28, 1946, Serial No. 693,505
In France August 31, 1945
3 Claims. (Cl. 346—40)



1. In a device for counting persons ascending and descending a flight of steps, the combination

of a platform, slidably mounted on a step of the flight, for rectilinear movement transversely of said step in two directions under the impulses caused by the passage of persons ascending and descending said flight, respectively; a pair of electric switches mounted on said step and said platform, and actuated by the movements of the platform in said directions, respectively; and a pair of indicating means controlled by said switches, respectively.

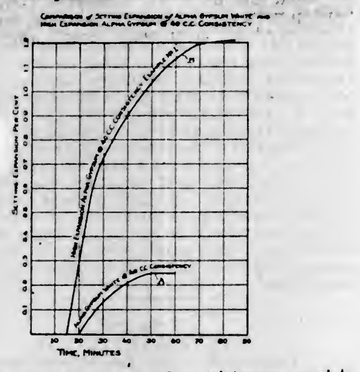
2,494,402
LOOPER
William H. Mursch, Crafton, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application June 22, 1945, Serial No. 600,991
15 Claims. (Cl. 271—2.2)



14. A looper for elongated material comprising a first loop-forming head and a second loop-forming head opposed thereto, means mounting the first of said heads for travel toward and away from the second head, power means for causing the first head to travel toward the second head to permit material to be taken out of the looper at a rate faster than it enters the looper, means for mainaining the material under tension in the looper, a detector for determining the amount of tension on the material, and means operable by said detector and responsive to a predetermined increase in tension in the material in the looper to cause the power means to move the first head toward the second head at a rate sufficient to permit the material to pass out of the looper faster than it enters therein.

2,494,403
MOLD COMPOSITION
Brainard W. Nies, Loch Arbour, N. J., and Edward W. Duffy, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application September 19, 1945, Serial No. 617,198
7 Claims. (Cl. 22—188)

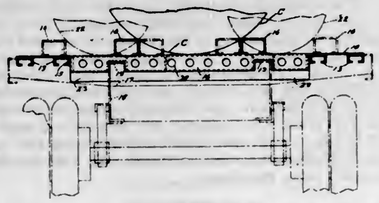
1. A plaster composition characterized by high and controllable expansion due to setting and hydration with water beyond the normal expansion for said plaster of not over substantially



about 0.4 percent at normal consistency consisting essentially of a major portion of a mixture of:

	Parts by weight
Powdered calcined gypsum	2,000
Finely ground water soluble animal glue	5 to 40
Aluminum sulfate	2 to 20
Powdered $CaSO_4.2H_2O$	5 to 30

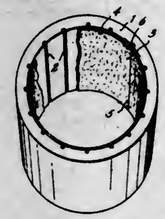
2,494,404
TRAILER
Harold G. Nixon, Youngstown, Ohio
Application April 30, 1947, Serial No. 745,079
4 Claims. (Cl. 296—28)



1. A vehicle deck construction including main framing members and a plurality of deck framing members comprising inverted channels, said deck framing channels lying longitudinally of the said deck adjacent the sides thereof and lying transversely of the said deck intermediate of the said longitudinally positioned channels, the said transversely positioned channels spaced to form a plurality of transverse openings and secondary channel members removably positioned in the said openings and carried on the said framing members and alternately usable as load blocking members on the deck of the said trailer.

2,494,405
CENTRIFUGAL MOLD AND LINER THEREFOR
Ernest R. Olsen, Rudolph F. Flora, and Clifford J. Lonnee, Muskegon, Mich., assignors to Hastings Manufacturing Company, Hastings, Mich.
Application November 18, 1946, Serial No. 710,450
6 Claims. (Cl. 22—113.5)

1. Casting apparatus comprising a permanent rotatable undivided tubular mold having a plurality of longitudinally extending ventilating grooves formed on the inner surface thereof and a widened groove formed on said inner surface, a liner of sheet heat resistant material positioned in said mold and in closely supported facing relationship with the surface thereof, the longitudinal edges of said liner being closely abutted and



disposed in front of said widened groove, and a joining member securing said edges together and positioned in said widened groove.

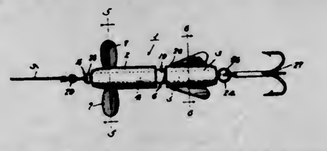
2,494,406
PROTECTIVE MASK
Edward S. Reitano, Mount Vernon, N. Y., assignor to Sani-Mask Inc., Mount Vernon, N. Y., a corporation of New York
Application March 17, 1949, Serial No. 81,887
1 Claim. (Cl. 128—146)



An oronasal shield comprising a flat rectangular sheet of soft paper of relatively strong texture, a narrow strip of non-elastic tape fastened to one surface of said paper along each edge of said sheet parallel to the major axis of said paper sheet thereby to reinforce the same and to prevent fraying or tearing of the edges of said paper sheet, and an endless elastic textile covered tape firmly fastened while stretched to each of the edges of said flat sheet parallel to the minor axis of said paper sheet thereby to reinforce the same and to prevent fraying or tearing of said paper sheet and to cause said edges parallel to the minor axis of said sheet to shirr or pucker when said tape is released, said endless elastic tape being of length to go around the ears of a wearer to draw said shield over the nose and mouth of said wearer to create a reasonably close fit of said shield to the face.

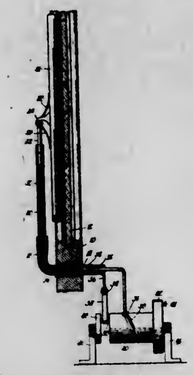
2,494,407
ARTIFICIAL BAIT
Roy O. Rhodes, Martinsburg, Pa.
Application November 12, 1948, Serial No. 59,597
1 Claim. (Cl. 43—42.05)

An artificial bait or lure comprising front and rear longitudinal bored body sections, a flexible wire rigging providing a common axis for the lure, said rigging including a front wire in the bore of said front section and a rear wire in the bore of said rear body section, a barrel swivel connecting said wires swivelably together for independent relative rotation of said sections, the relative diameters of said barrel swivel and the bores of said sections being such that a considerable area of said barrel will be received and have a bearing fit within the opposite ends of the bores of said front and rear sections whereby said rear section is free to wobble and move in an up and down direction and serve to guide the directional movement of the entire lure in a sinuous manner, means on said rear section for tending to prevent rotation of the rear section



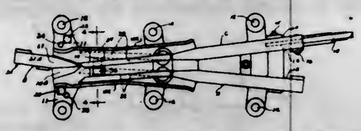
relatively to the front section, said front section being forwardly and longitudinally movable over said front wire throughout the length of the latter and away from said rear section under the impact of a strike, and said swivel barrel preventing said rear section from moving substantially forward over said rear wire and toward said front section and a wire connecting the end of the front wire to a fishing line.

2,494,408
WIPER MECHANISM
Harry Edgar Rice, Jr., Urbana, Ohio
Application January 28, 1944, Serial No. 519,995
2 Claims. (Cl. 15—255)



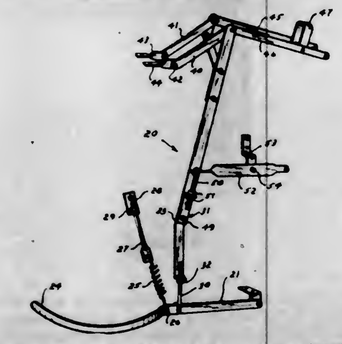
1. In wiper mechanism adapted to wipe a substantially flat surface, a hollow arm including an elongated portion and a right angled bearing portion with a curved section between and connecting the portions, said elongated portion of the arm extending substantially parallel to and in spaced relation with said flat surface and said bearing portion journalling the arm for oscillating movement, operating means connecting with said bearing portion for oscillating the arm, a slidable member in the hollow arm projecting from the elongated portion and also projecting from the bearing portion, a wiper pivotally connected to the end of the member projecting from the elongated portion, and a movable cam member driven by said operating means and connecting with the end of the slidable member projecting from the bearing portion, whereby slidable movement may be imparted to the member during oscillating movement of the arm to move the wiper bodily with respect to the arm.

2,494,409
TROLLEY FROG SWITCH
Frank H. Richterkessing, Louisville, Ky., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application April 22, 1946, Serial No. 664,060
3 Claims. (Cl. 191—38)



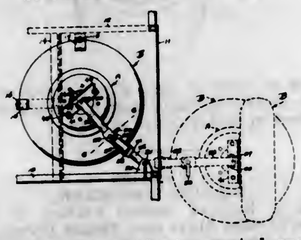
1. A trolley frog-switch for a current collector comprising a body-member having a pair of angularly disposed runners integral therewith and a separate longitudinally spaced runner adjustably mounted on said body-member for guiding a current collector carried by a vehicle onto and off the said switch; two pivoted guide tongues operatively associated with the runners for guiding a collector from the adjustable runner to one of the other runners as determined by the position of one of said tongues; each tongue having a shaft and bearing in said body with the axis thereof disposed adjacent the end of a runner and in axial alignment with the longitudinal axis of the runner with which it is associated, said tongue being provided with means for receiving an operating force.

2,494,410
CONTROL DEVICE
Robert J. Scheidt, California, Mo.
Application October 13, 1947, Serial No. 779,582
4 Claims. (Cl. 192—.02)



1. In a control device for hammers having an electric motor, switching means therefor, and fixed and movable clutch faces, a frame, a foot treadle pivoted to the frame, an elongated arm pivotally connected at its lower end to the treadle, a bracket attached to the arm adjacent the upper end thereof and extending outwardly at an angle therefrom and terminating in an extension parallel to the upper end of the arm; a pair of parallel links pivotally attached to the upper end of the arm and the extension on the bracket, the free ends of said links being attached to the movable clutch face, a lever pivoted to the frame and having one end removably secured to the elongated arm and the opposite end connected with the switching means, and spring means normally maintaining said treadle in a position whereby said elongated arm, parallel links and lever maintain the movable clutch face out of engagement with the fixed clutch face and the switching means in the off position.

2,494,411
TIRE CARRIER
Hendrick E. Simi, Seattle, Wash., assignor to Kenworth Motor Truck Corporation, Seattle, Wash., a corporation of Washington
Application July 1, 1946, Serial No. 680,703
20 Claims. (Cl. 224—42.21)



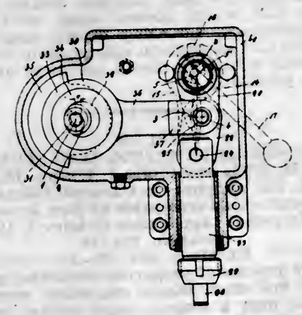
1. A carrier for a wheel-mounted spare tire and which comprises, in combination with a receiving compartment: a horizontal toggle-jointed arm pivotally supported by one end for movement about an approximately vertical axis and swingable by its free end into and out of the compartment with the arrangement being such as to bring the articulating limbs of the arm into substantially an in-line relation in both of said positions; and means on said free end of the arm for engaging the wheel and serving to position the wheel and its tire horizontally.

2,494,412
HEATED PENCIL FOR WRITING ON WAXED PAPER
Leon L. Simkins, Kalamazoo, Mich.
Application February 12, 1948, Serial No. 7,815
8 Claims. (Cl. 219—21)



7. A pencil for writing on paper having a fusible coating comprising, a casing, mechanism in said casing for advancing a writing lead from said casing, a pair of electrical conducting elements positioned in said casing and having fingers on the lower ends thereof engageable with a writing lead carried by said mechanism at points spaced longitudinally along said lead, and a pair of conductors extending into said casing and electrically connected one to each of said conducting elements.

2,494,413
MACHINE FOR CUTTING SHEET METAL
Anders Ingemar Knutsson Slettengren, Goteborg, Sweden, assignor to Verkstads-A. B. Haldex, Halmstad, Sweden
Application January 27, 1947, Serial No. 724,497
In Sweden February 6, 1946
3 Claims. (Cl. 74—38)



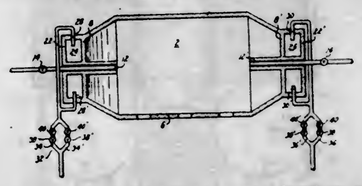
1. In a machine for cutting sheet-metal and similar materials a toggle-joint arrangement comprising in operation two links, one stationary link pin, one intermediate link pin and one movable link pin, said movable link pin being connected to a tool holder arranged to reciprocate rectilinearly, driving means connected to said intermediate link pin to oscillate the same between extreme positions transversely of the direction of movement of said tool holder, one of the links being pivoted about said stationary and said intermediate link pins and the other link being pivoted about said intermediate and said movable link pins, said stationary link pin being movable into at least two positions transversely displaced relative to the direction of movement of the tool holder, and both of said positions being at a distance from a given common remote extreme position of said movable link pin equal to the maximum distance between the stationary and movable link pins, the plane extending through the axes of said stationary link pin when located in at least one of said positions and of said movable link pin passing between said extreme positions of the intermediate link pin, and locking means for fixing said stationary link pin in either of said transversely displaced positions.

2,494,414
MANICURING DEVICE
Herbert B. Snider, Miami Beach, Fla.
Application March 31, 1947, Serial No. 738,347
1 Claim. (Cl. 132—75.6)



A manicuring device comprising a disk-like member, an interrupted wall rising from one surface of the member, and a fingernail buffing element secured on the surface of the member, said wall being open at one side for receiving a fingernail for buffing on said buffing element.

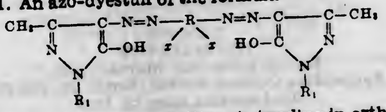
2,494,415
OPEN-HEARTH FURNACE AND METHOD OF OPERATING THE SAME
Robert B. Sosman, Westfield, N. J., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
Application June 6, 1947, Serial No. 753,102
2 Claims. (Cl. 263—15)



1. In an open hearth furnace having main burners at both ends thereof adapted to be alternately fired, said furnace having basic end walls, supplementary end walls outside of said basic end walls, said supplementary walls and said basic walls defining heating chambers adjacent the outer ends of said furnace, heating means in said chambers, means for supplying fuel to said heating means, and means for adjusting the supply of fuel to said heating means whereby the chamber at the end of the furnace wherein the main burner is being fired can be supplied with more heat than the chamber at the end not being fired.

2,494,416
AZO-DYESTUFFS AND PROCESS OF MAKING SAME
Fritz Straub, Kaiseraugst, Walther Hanhart, Riehen, and Emil Mannhart, Basel, Switzerland, assignors to Ciba Limited, a Swiss firm
No Drawing. Application April 3, 1945, Serial No. 586,436. In Switzerland March 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 28, 1964
15 Claims. (Cl. 260—160)

1. An azo-dyestuff of the formula

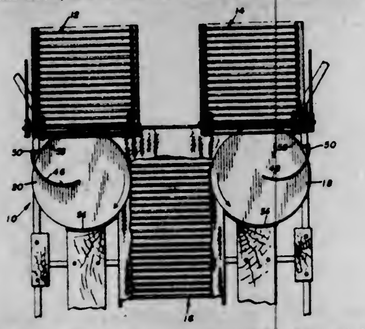


wherein each x is a substituent standing in ortho-position to the corresponding azo-group selected from the group consisting of sulfonic acid and sulfonamide groupings, x—R—x stands for the radical of a diamine of substantive character for cellulosic fibers, and wherein each R_1 stands for the radical of an aromatic compound containing up to two benzene nuclei and a salicylic acid grouping.

2,494,417
ROTATABLE DISKS FOR SEPARATING POTATOES FROM DEBRIS
Nathaniel A. Talmage, Riverhead, N. Y.
Application April 21, 1947, Serial No. 742,788
2 Claims. (Cl. 209—112)

1. Means for separating debris from potatoes comprising: an implement frame having a pair of inclined endless sifting conveyors substantially parallel and spaced from each other; a pair of rotatable disks disposed at the upper ends of said conveyors, a portion of each disk underlying said conveyors, said disks being angularly inclined with relation to a horizontal plane and having the lowermost portions thereof at the side

adjacent the space between said sifting conveyors; a potato receiving conveyor disposed between the sifting conveyors and extending beneath the disks; a vertical supporting rod at the upper side of each disk, a first baffle means attached to and

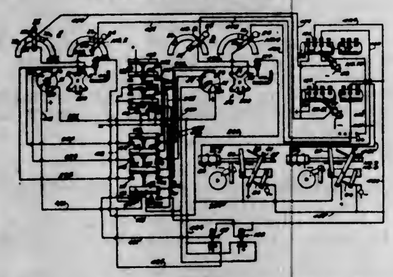


extending from the rod circumferentially of the disk and under the sifting conveyor, and a second baffle means having an arcuate form and lying above the disk and in close proximity thereof and extending from the rod towards the center of the disk.

2,494,418
PAINT AND VARNISH
Joseph H. Wells and Philip J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application December 10, 1945, Serial No. 634,143
5 Claims. (Cl. 106—264)

1. A coating composition of the class of paints and varnishes, including a glyceride type oil that hardens and dries by oxidation, and from 0.5 per cent to 5 per cent of a drier, of the group consisting of dicyclopentadiene peroxide, dicyclopentadiene diperoxide and mixtures thereof.

2,494,419
TOTALIZATOR
Roy E. Wells, San Mateo, Calif.
Application October 9, 1942, Serial No. 461,473
In Australia June 28, 1938
2 Claims. (Cl. 235—92)

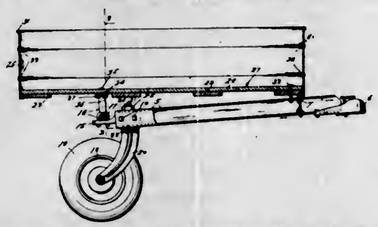


2. In a totalizator, registering means, actuating means for said registering means, a plurality of machines, two separately settable bet selecting means associated with each machine, means for operating the actuating means of said registering means including electric circuits extending from the bet selecting means of each machine to said registering means, double throw switches connectable with a current source, means operable upon operation of any machine for throwing said switches to a position to supply current to the bet selecting means of one machine only whereby said registering means is operated before another machine can become operative to supply current from the source to a registering means, releasable detent means retaining said switch operating means in a position holding said switches in said position, means for releasing said detent means upon operation of said registering actuating means, and means retaining said switches in said position until the registering actuating means moves to an inoperative position.

2,494,420
PROCESS OF UTILIZING ACID SLUDGE
Joseph H. Wells and Philip J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application October 9, 1947, Serial No. 778,758
2 Claims. (Cl. 75—3)

1. The process of preparing briquettes of blast furnace flue dust, which comprises combining with flue dust a resinous acid sludge obtained by treating coke oven light oil with 60° to 66° Bé. sulfuric acid, allowing the resulting sludge and acid to settle into layers, separating the sludge from the acid, thinning the said sludge with at least an equal amount of water until it flows readily and adding the resulting thinned sludge to the flue dust and mixing therewith thereby producing a uniform, thin film on the thinned sludge of the said flue dust, thereafter pressing the resulting coated material firmly together, and evaporating the moisture contained therein.

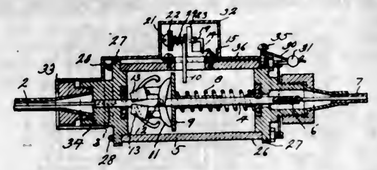
2,494,421
AUTOMOTIVE TRAILER
Dale R. Wittke, Minneapolis, Minn.
Application September 23, 1946, Serial No. 698,687
5 Claims. (Cl. 280—33.4)



1. In a vehicle of the class described, a body platform having on its under side an inverted transverse channel bar, a pair of frame channel bars the flanges of which are horizontally disposed and in opposing relation, said frame channel bars having short parallel front end portions and long rearwardly converging portions, a coupling member on the front end portion of each frame channel bar, the upper flanges of the frame channel bars at the corners formed by the parallel and converging portions of said frame channel bars being upwardly displaced to afford supports on which the body platform rests, means rearwardly of said supports connecting the body platform to the frame channel bars, a casting connecting the frame channel bars at their rear end portions and having an upright hub, a fork having an upstanding pivot stud journaled in the hub, a wheel journaled in the fork, said casting

also having a spring base, and a multiple leaf spring mounted on the spring base, the upper end portions of the major leaf of the spring extending into the inverted channel bar and supporting the same.

2,494,422
CENTRIFUGAL SWITCH
Charles C. Wilson and High R. Parton, Kings Mountain, N. C.
Application June 7, 1946, Serial No. 675,114
1 Claim. (Cl. 200—80)



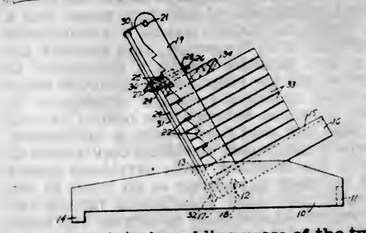
A governor controlled circuit maker and breaker, said circuit maker and breaker comprising a casing, a rotatable shaft within the casing, a centrifugal governor carried by the shaft, a yieldably mounted disc slidably mounted on the shaft and adapted to be longitudinally moved by the governor, a contact arm pivotally mounted on the casing to the outside thereof, and to one side of the casing, said contact arm having a downwardly extending arm extending through an opening in the casing and into the path of the disc, a second contact arm pivoted to the casing at a point opposite the first mentioned arm, said second contact arm extending into the path of the first mentioned contact arm brackets adjacent the contact arms, adjusting screws extending through said brackets in the path of the contact arms, a connecting member connecting the adjusting screws, springs surrounding the adjusting screws and engaging the connecting member and springs connecting the connecting member and the contact arms and forming means for urging said arms towards the connecting member and contact screws.

2,494,423
OIL BOX LID
Charles A. Wright, Milwaukee, Wis.
Application November 1, 1946, Serial No. 707,185
2 Claims. (Cl. 308—47)



1. In a journal box having a bolt lug and a lid, a yoke secured to the lid and having a tapered corrugated ceiling, a flat spring passing through the yoke and having a hook at its lower end, a holder loosely engaged by the hook, said spring having its upper end bent and engaging the bolt lug, and a wedge having a corrugated upper surface passing through the yoke and engaging the corrugated ceiling, said wedge bearing on the spring.

2,494,424
PRINTER'S PADDING PRESS
Norman Adelsohn and Alfred Calone, Denver, Colo.
Application May 11, 1948, Serial No. 26,304
6 Claims. (Cl. 11—1)

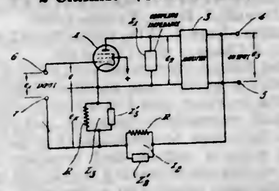


1. In a printer's padding press of the type having a supporting base and a tiltable rack mounted on said base, means for applying compression to a pile of pads in said tiltable rack, comprising: a platform; a ratchet post arising from each side of said platform adjacent the forward edge thereof; a spacing member connecting the upper extremities of said posts and maintaining them in upright, parallel relation; a plurality of ratchet teeth formed along the forward edge of each ratchet post, each of said teeth comprising a horizontal top portion and a rearwardly and downwardly inclined front edge portion; a pressure bar extending across the teeth of both posts and means for drawing said pressure bar against each post so that it will engage the inclined edge portions of said teeth to urge said pressure bar downwardly toward said platform.

2,494,425
ELECTROLYTICALLY POLISHED GRAPHITE ANODE
Jan Bakker, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application July 2, 1946, Serial No. 681,124. In the Netherlands March 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 15, 1963
2 Claims. (Cl. 250—27.5)

1. An ion discharge tube comprising an electrolytically polished graphite anode.

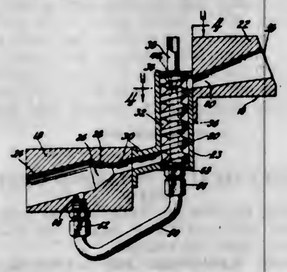
2,494,426
AMPLIFIER WITH NEGATIVE FEEDBACK
Hugo Gerrit Beljers, Willem Six, and Jan te Winkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 2, 1946, Serial No. 680,890
In the Netherlands March 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 4, 1963
2 Claims. (Cl. 179—171)



1. An amplifying system for electrical oscillations comprising a first amplifying stage in-

cluding an electron discharge tube provided with a cathode, a grid and an anode and an output impedance Z_1 connected between said anode and cathode and having a value which is low relative to the internal resistance of said tube, a second amplifying stage whose input is connected across said output impedance of said first stage, and a negative feedback network having a transmission factor variable with frequency, said network including a first negative feedback impedance Z_2 connected across the output of said second stage and a second negative feedback impedance Z_3 interposed in series between the output of said second stage and said first feedback impedance, and means to apply said electrical oscillations in series with the feedback wave developed across said first feedback impedance as an input to the grid of said tube, said impedances having respective values substantially satisfying the relations Z_1Z_3=constant, and Z_2+Z_3=constant.

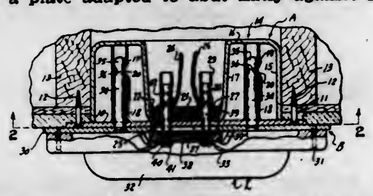
2,494,427
DEAERATOR
Joseph B. Bidwell, Philadelphia, Pa., and Arthur F. Underwood, Grosse Pointe, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 7, 1945, Serial No. 576,640
8 Claims. (Cl. 183—2.5)



1. In a deaerating system, a conduit for conveying liquid under pressure, a deaerating unit located in said conduit having a convergent passage portion, a spiral passage portion and a divergent passage portion, said convergent passage portion connecting said conduit to the entrance end of said spiral passage portion, said divergent passage portion connecting the discharge end of said spiral passage portion to said conduit, said spiral passage portion having a smaller cross sectional area than said conduit to increase the velocity of the flow through the spiral passage portion, an air vent opening in said spiral passage portion and an air discharge passage extending from said opening.

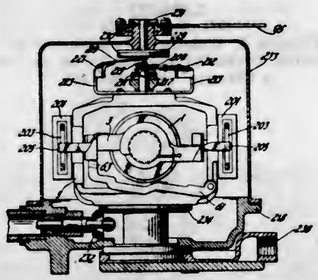
2,494,428
LIGHTING FIXTURE BRACKET
Joseph A. Buck, Toledo, Ohio
Application June 9, 1948, Serial No. 31,969
1 Claim. (Cl. 173—332)

A lighting fixture mounting comprising a pair of detachable members, one member constituting a supporting member and the other a supported member, said supporting member comprising a face plate, fasteners for securing the plate to a supporting wall, a cup-shaped member on the inner side of the plate having a pair of parallel spaced continuous inner and outer walls and an end wall integrally connecting said spaced walls, a plurality of supporting tubes secured at opposite ends to said end wall and face plate respectively, said face plate having openings registering with said tubes, each tube having a side wall aperture, a spring arm secured to the outer side of each tube having an end portion extending into the side wall aperture, a disc of electrical insulating material secured to said inner wall, a pair of electrical conducting tubes extending through said discs, each tube having a spring-like finger normally extending within the tube, means for conveying electrical current to said tubes respectively, said face plate having apertures registering with said tubes, said other member comprising a plate adapted to abut flatly against said



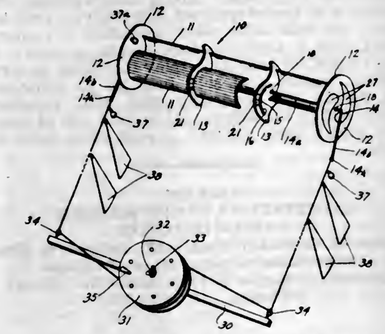
face plate, posts having one end fixed to said plate and arranged to extend into said supporting tubes respectively, each post having a reduced neck portion for snap engagement by the respective spring arm for yieldably retaining the posts within the supporting tubes, pins projecting from said plate for insertion into said conducting tubes, said pins having reduced necks for engagement by said tube fingers respectively, said pins being of electrical conducting material, a mounting for said pins carried by said plate, a lamp housing carried by said plate, and wires leading respectively from said pins for energizing a lamp within the lamp housing.

2,494,429
GYRO PRECESSING MEANS
Darl F. Caris, Dearborn, and Wallace W. Perkins, Pleasant Ridge, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 12, 1945, Serial No. 582,338
6 Claims. (Cl. 74—5.4)



1. A directional gyroscope for controlling steering mechanism comprising a gyroscope rotor supported by gimbals on a frame for normal rotation about a horizontal spin axis, cooperating steering control contacts relatively movable by the gyroscope and steering mechanism with respect to a vertical axis, caging means between the frame and gimbals operable to move the gimbals relative to the frame so that the rotor is moved to a preselected angular position with respect to the frame and to cause the rotor to spin about a horizontal axis, cooperating contacts relatively movable about a vertical axis between the frame and one gimbal for controlling the steering mechanism to maintain a preselected course to travel, certain of said contacts being operably connected to one of said gimbals for rotation upon precession of the gyroscope, other of said contacts being operably connected to the steering gear for rotation thereby to maintain a preselected course of travel, coaxially movable electromagnetic means and permanent magnet means between the gimbals for exerting torque therebetween to cause precession of the rotor and gimbals about a vertical axis to change the course of travel, said last named means comprising at least one permanent magnet secured midway of the poles thereof to one gimbal for coaxial rotation therewith and at least one electromagnet winding secured to the other gimbal in coaxial enclosing relation with respect to said permanent magnet.

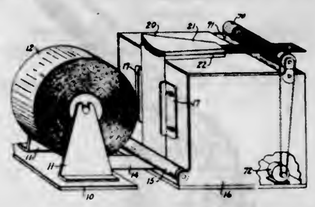
2,494,430
ROTATING KITE
James R. Carnwath, Bothell, Wash.
Application March 29, 1948, Serial No. 17,680
2 Claims. (Cl. 244—153)



1. A rotating kite consisting of a wing, reinforcing means therefor, plates attached to either end of said wing, apertures in said plates, a rod between said plates, rotatably mounted, a portion of said rod extending beyond said wings at either end and passing through the apertures in said plates, the outer portion of said rod being bent back substantially at right angles, bearings therefor, tabs disposed upon the outer surfaces on the said end plates, flight control lines, connecting with the said rod, means for controlling the length of said flying lines and accommodating that portion of said lines which is not disposed between said control means and the kite when the latter is in flight.

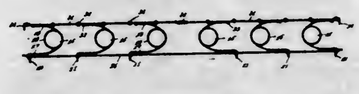
2,494,431
CONTINUOUS CORRUGATING MECHANISM
Karl J. Eckstein, Hamilton, Ohio
Application June 28, 1945, Serial No. 602,109
15 Claims. (Cl. 154—30)

14. Continuous corrugating mechanism of the character described for corrugating a web of material which comprises two sets of fan-shaped interfitting guides, said guides being arranged in lines converging toward a common center substantially beyond the discharge end thereof, said guides terminating in an arc struck from approximately said common center, and auxiliary sets of guides located respectively at the discharge ends of said two sets of guides and in relative alignment therewith, said auxiliary guides being arranged in lines diverging outwardly toward the discharge ends thereof and terminating in a plane transverse to the direction of travel of the web,



the distance between the discharge ends of adjacent auxiliary guides measured in said transverse plane being substantially the same as the distance between the discharge ends of adjacent guides of said two sets measured on said arc.

2,494,432
BEDSPRING
Charles J. Elder, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application September 1, 1944, Serial No. 552,282
2 Claims. (Cl. 5—247)



2. In a bed spring, a rigid base frame, a border frame above said base frame, a plurality of flexible strips extending transversely of said border frame, transverse rows of springs arranged beneath said strips, each of said springs having an intermediate portion helically coiled on a horizontal axis and lower and upper arms extending from the ends of said coiled portion and secured respectively to said base frame and to one of said strips, said springs being arranged in pairs, each pair being formed from a single wire, the middle portion of said wire being provided with a downwardly extending offset, said base frame being provided with an opening receiving said offset, means extending through said offset beneath the base frame, the end portions of said wire constituting the upper arms of the pair of springs, said upper arms being secured to adjacent ones of said transverse strips.

2,494,433
TRANSDUCER HOLDER
Wesley S. Erwin, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 6, 1946, Serial No. 674,905
1 Claim. (Cl. 171—327)

A transducer holder including; a handle, an electrical conductor located in and insulated from said handle, an insulator, a transducer, an electrical current conducting spring bias means, an electrical connector located in said insulator adapted to mechanically support and electrically connect said transducer to said electrical conductor through said spring biasing means, a tubular member of greater diameter than said transducer adapted to secure said insulator to said handle, a second insulator surrounding said

transducer and mechanically secured thereto to allow freedom of transducer movement and pre-



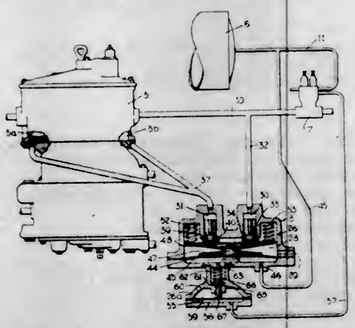
vent electrical shorting between said tubular member and said transducer.

2,494,434

CONDENSATION DRAIN VALVE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 16, 1943, Serial No. 510,472
10 Claims. (Cl. 230—1)



1. A drain valve device comprising a casing structure having a plurality of portions for accumulating condensate, a condensate drainage chamber and a pressure chamber, a movable abutment interposed between said chambers, a plurality of discharge valve elements controlled by said abutment for individually controlling flow of condensate from said portions to said condensate drainage chamber, and spring means constructed and arranged to act on said abutment in opposition to the pressure of fluid in said pressure chamber for effecting sequential operation of said valve elements.

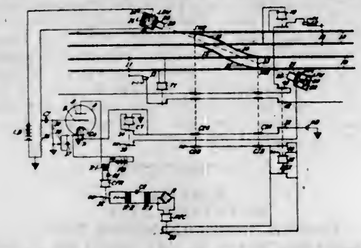
2,494,435

CROSSOVER PROTECTION SYSTEM FOR RAILROADS

Sydney W. Freeman, White Plains, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 12, 1945, Serial No. 587,937
7 Claims. (Cl. 246—114)

1. Car detecting means for crossovers comprising, a crossover track including two track switches, a first set of contacts closed only when said track switches assume their main track positions, a second set of contacts closed only when said track switches assume their main track positions, a stick relay, light beam creating means for transmitting a light beam intermittently across such crossover substantially parallel to the track rails and substantially midway between the track rails of said crossover, means for detecting said light beam and converting it into intermittent impulses of electric current, amplifying means for amplifying said current, decoding means con-



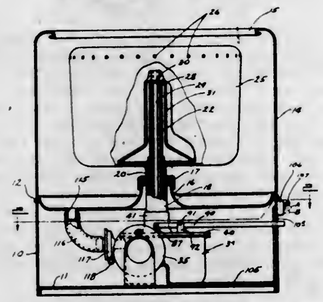
trolled by current derived from said amplifying means and responsive only if said intermittent current is of predetermined frequency, a pick-up circuit for said stick relay including a contact closed only if said decoding means is active, a stick circuit for said stick relay including its own holding contact and said first set of contacts, and means for rendering said light creating means active including said second set of contacts and a back contact of said stick relay in series.

2,494,436

COMBINED CLOTHES WASHER AND EXTRACTOR

Andrew H. Gerhardt, Skokie, Ill., assignor to Thor Corporation, a corporation of Illinois

Application August 6, 1943, Serial No. 497,649
5 Claims. (Cl. 68—23)



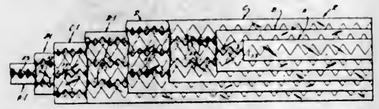
1. In a combined washing and extracting machine including an upwardly open receptacle, an upwardly open basket mounted for rotation within the receptacle, and an oscillatable agitator mounted within the basket, the combination of mechanism for driving the basket; separate mechanism for driving the agitator; a reversibly driven electric motor; means, operable incident to rotation of the motor in one direction, for actuating the agitator driving mechanism; means, operable incident to rotation of the motor in the opposite direction, for actuating the basket driving mechanism, said two last mentioned means comprising two axially aligned worms and one-way drive clutch means for causing rotation of one of said worms only when said motor is driven in one of its two directions; clutch means interposed in the agitator drive mechanism and movable into and out of operative positions of adjustment; spring means for yieldingly urging said last mentioned clutch means to one position of adjustment; and means operable when the motor is driven in one of its two directions for moving said last mentioned clutch means to its other position of adjustment.

2,494,437

PROCESS OF MANUFACTURING COLLAPSIBLE CELLULAR CONTAINER PARTITIONS

Walter C. George, St. Louis, and Arthur P. Klasing, Webster Groves, Mo., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Original application February 4, 1948, Serial No. 6,266. Divided and this application July 30, 1948, Serial No. 41,637
6 Claims. (Cl. 93—37)



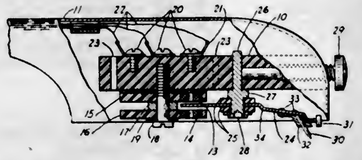
1. The process of manufacturing collapsed partition units of the kind described which consists in dividing each of two webs by a longitudinal zigzag cut into separate strips having interfitting alternating tongues and notches along their meeting edges, superimposing said webs flatwise one on the other with the tongues of each strip on each side of the cut in each web overlapping the tongues of the strip on the other side of the cut in the other web and with the notches of each strip on each side of the cut in each web opening into the notches of the strip on the other side of the cut in the other web, permanently securing said overlapping tongues together, and then dividing the consolidated webs crosswise into complete collapsed partition units.

2,494,438

PHONOGRAPH PICKUP

Everett A. Gilbert, Lake Hiawatha, N. J., assignor to Radio Frequency Laboratories, Inc., Boonton, N. J., a corporation of New Jersey

Application May 31, 1946, Serial No. 673,476
3 Claims. (Cl. 179—100.41)



1. A phonograph pick-up comprising a housing carrying a base, a stud extending downwardly from the base and substantially normal thereto, means securing the stud to the base and effective to prevent relative motion between the said stud and base, a vibratory strip having an inner section and an outer section, means pivotally securing the central section of the strip to the stud, a pair of electrical coils co-axially disposed adjacent to and on opposite sides of the inner section of the strip, means securing the coils in fixed position relative to the base, a needle carried by the outer section of the vibratory strip, and vibration damping means engaging the central section of said strip and effective to absorb those vibrations of the strip corresponding to axial vibrations of the needle.

2,494,439

THREAD-CUTTING THIMBLE

Elynor D. Gorka and Minor B. Gideon, Kansas City, Mo.

Application October 22, 1945, Serial No. 623,642
6 Claims. (Cl. 7—14.5)



1. A thimble comprising a hollow body; a cutting disc secured to the closed end of the body with a marginal edge thereof projecting radially beyond the outer surface of the body; and a coil spring surrounding the body in contacting relationship with the cutting disc below the marginal edge thereof, the outside diameter of the spring being greater than the diameter of the cutting disc.

2,494,440

SPECTROPHOTOMETER APPARATUS HAVING A ROTATING SLOTTED WHEEL TO DECREASE LIGHT INTENSITY

Harold E. Haynes, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application May 31, 1946, Serial No. 673,361
2 Claims. (Cl. 88—14)



1. An apparatus comprising means for forming a beam of light of predetermined width, photoresponsive means positioned in the path of said beam, and neutral density light filtering means for decreasing the intensity of said beam without interrupting the passage thereof, positioned between said source and said photoresponsive means, said filtering means consisting of a rotatable wheel having regularly spaced opaque members of similar width separated by slots, the width of each of said opaque members and slots individually being less than the width of said beam, the width of said beam being greater than the combined average widths of one slot and one opaque member, means for rotating said wheel at a constant rate and said wheel being positioned such that when said wheel is rotated said opaque members and said slots are moved consecutively across said beam.

2,494,441

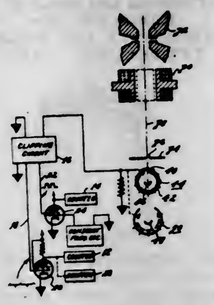
METHOD AND APPARATUS FOR ELECTRONICALLY DETERMINING PARTICLE SIZE DISTRIBUTION

James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 28, 1948, Serial No. 41,096
13 Claims. (Cl. 250—49.5)

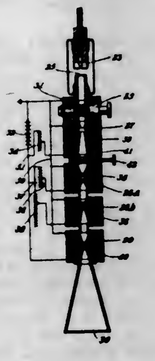
1. Apparatus for obtaining information related to the dimensions of discrete particles appearing

in a field of view against a background contrasting in appearance with said particles, said apparatus comprising means for generating a beam of energy, means for analyzing successive parts of said field with the aid of said beam, said analyzing means including means for focussing said



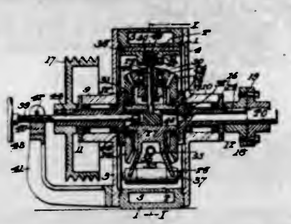
beam on said field, means for detecting energy changes in said beam after it has impinged on said field and counting means responsive to abrupt changes of current produced in said detecting means by said beam for indicating the number of times said abrupt changes occur.

2,494,442
ELECTRON MICROSCOPE COMPRISING MAGNETIC FOCUSING
Jan Bart Le Poole, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 31, 1947, Serial No. 725,669
In the Netherlands January 5, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 5, 1966
6 Claims. (Cl. 250—49.5)



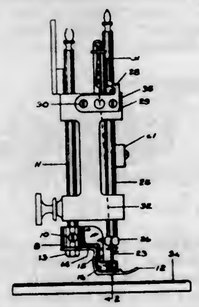
1. An electron microscope comprising an electrode system for producing an electron beam, a projection lens arranged in the path of the electron beam, an objective arranged in the path of the electron beam between said projection lens and said electrode system, and a control lens system arranged in the path of the electron beam between said objective and projection lens and including a first control lens arranged adjacent the objective and a second control lens arranged adjacent the projection lens, means to adjust the focal length of the said first control lens to produce with said objective said first control lens and the projection lens images of small magnification, and means to adjust the focal length of said second control lens to produce with said objective said second control lens and the projection lens images of a magnification greater than that of said first images.

2,494,443
DRIVING UNIT
Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application June 6, 1946, Serial No. 674,899
11 Claims. (Cl. 74—752)



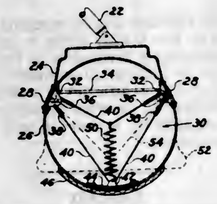
1. In a driving unit, alined rotary driving, driven and intermediate elements, a differential gearing operatively connecting said elements, a fixed housing having an inner annular friction surface, a weighted brake shoe pivoted on said intermediate element in position to be swung by centrifugal force into contact with said annular friction surface, and a manually adjustable spring means acting on the brake shoe to vary its frictional resistance created by said centrifugal force.

2,494,444
SEWING-MACHINE NEEDLE THREADER
William S. Lyle, San Francisco, Calif.
Application December 20, 1947, Serial No. 792,955
1 Claim. (Cl. 112—225)



In combination with a sewing machine having a vertical reciprocating shaft carrying a needle with an eye in the lower portion thereof, a needle threading device comprising a body, means pivotally securing the said body to the sewing machine, an angular vertical slot in one end of the body capable of vertically aligning with and slidably receiving the said needle, an inwardly tapered thread guide horizontally leading into the said slot and capable of aligning with the eye in the needle, and an indicator positioned on the sewing machine above the guide to indicate when the said guide and needle eye are in horizontal alignment, said tapered thread guide being open at the top extremity thereof, a resilient cover provided over the top open portion of the guide, the said resilient cover being free to open along one side thereof for facilitating the removing of the thread from the guide.

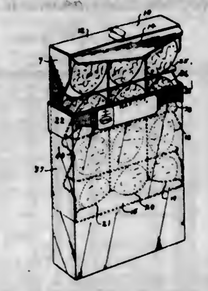
2,494,445
PONTOON
Constand A. Moeller, Orange, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 30, 1945, Serial No. 632,011
14 Claims. (Cl. 244—105)



1. Mechanism for damping vibrations in floats for helicopters or the like comprising, a flexible container for a compressible fluid, a support for said container, a pair of friction members within said container, a tension member secured to said container at a point or points spaced substantially equally from said members, said tension member passing from said point over said friction members and back to said point to form a loop, and a spring secured to said point of support at one of its ends and to a point of said tension member lying between said members at the other of its ends; said mechanism being operable to cause a force impressed upon said container to distort the same, compress said fluid, and cause the spring to contract and change the points of contact of said tension member with said friction members, and as the force is removed to cause the container to dissipate energy by restoring said points of contact to a predetermined position.

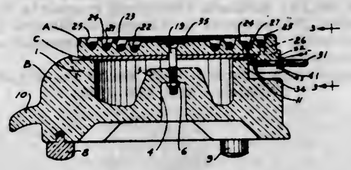
2,494,446
SLIDE DISPENSING PACKAGE WITH REINFORCED WRAPPER
George Arlington Moore, New York, N. Y., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application September 21, 1944, Serial No. 555,162
7 Claims. (Cl. 206—45.33)

1. A package of the class described comprising a tray having one end adapted for opening and reclosing, a wrapper enclosing the tray and sealed over the ends and bottom thereof, a collar encircling the wrapper adjacent the reclosable end of the tray and secured to four sides of the wrapper, and a tear tape for severing the wrapper between the edge of the collar and reclosable end of the tray close to said end of the tray, whereby the wrapper sealed over the said end of the tray may be removed and said end be opened and reclosed, and the collar will support the four



sides which remain intact and the tray may be slid in and out thereof.

2,494,447
HEATING GRILL
Edwin Mosthaf, Orange, N. J., assignor to Steatite Research Corporation, Keasbey, N. J., a corporation of Delaware
Application April 29, 1947, Serial No. 744,669
2 Claims. (Cl. 219—37)

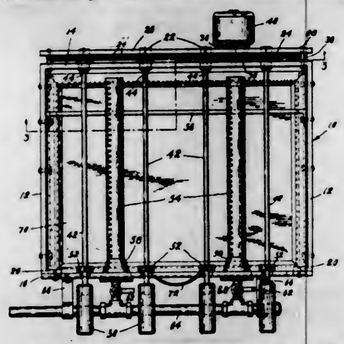


1. An electric grill comprising a ceramic heating plate having a plate-like portion with an integral small depending portion, an electrical heating means in the plate-like portion, said depending portion containing a pair of slots therethrough each adapted to receive an electrode with an enlarged flange, a ledge on at least one of the faces of said depending portion through which said slots extend, said ledge extending below the upper part of said slots so that the enlarged flange of said electrode can be held by said ledge.

2,494,448
MACHINE FOR COOKING SKEWERED FOODS
David Nassif, Wilbraham, Mass.
Application February 3, 1945, Serial No. 576,043
3 Claims. (Cl. 99—421)

1. A machine for barbecue cooking having in combination a frame having side walls and open at the top, a food holder, a socket in a wall of said frame for demountably supporting said holder in horizontal position across said frame, means for rotating said holder while positioned in said socket, an elongated gas burner located below and spaced to one side of said holder positioned in said socket, said gas burner being constructed and arranged to throw a flame upwardly and outwardly onto the surface of the food on said holder, said gas burner extending parallel to said holder and exposed thereto and being laterally spaced therefrom to prevent juice from the food on said holder dripping on said burner, and a drip pan positioned below said burner, for collecting the hot juices, a distance sufficient to cool the juices and to prevent smoking thereof,

said frame being open above said burner, the side walls of said frame being widely spaced from said burner to provide free circulation and escape



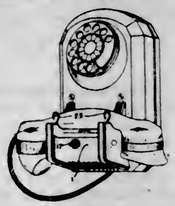
of heated air and so that the cooking of the food on said holder by stored and reflected heat is prevented and the cooking is accomplished by means of the flame.

2,494,449

SUBSTATION LOCKING APPARATUS

Herbert F. Obergfell, deceased, late of River Forest, Ill., by Amanda Obergfell, executrix, River Forest, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application March 4, 1944, Serial No. 525,019
2 Claims. (Cl. 179—100)



1. In a telephone set, a hand set, a support therefor, switching springs inside the telephone set, a first button extending through the support and engaged at one end by the hand set when placed on said support, a lever for operating said springs engaged by the other end of said button, a flat metal locking arm inside said set with ears extending at right angles to the arm, a spring normally maintaining one of said ears in engagement with said lever to prevent operation of said lever and said switching springs when the hand set is removed from said support, and a second button normally engaging the other ear of said locking arm manually operative for operating said locking arm to permit operation of said lever and said switching springs.

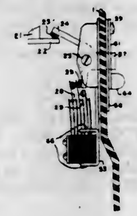
2,494,450

UNIVERSAL TELEPHONE INSTRUMENT

Herbert F. Obergfell, deceased, late of River Forest, Ill., by Amanda Obergfell, executrix, River Forest, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 1, 1945, Serial No. 570,910
1 Claim. (Cl. 179—100)

In a convertible telephone instrument having a base capable of receiving a switch hook and having a front opening capable of receiving a cradle with a cradle lever operable therefrom, a side aperture in said base, an escutcheon mounted on said base and having a central aperture in register with said side aperture through which either the switch hook or the cradle lever extends, a latch pivoted on said escutcheon, a spur piece on



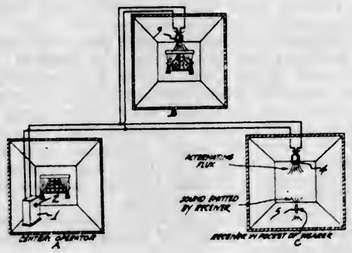
said latch for limiting the movement of either the switch hook or the cradle lever in said apertures, said latch manually pivotable to move said spur piece and allow further movement of either the switch hook or the cradle lever within said apertures, and switching springs mounted within said base and operable by either of said limited and further movements.

2,494,451

PERSONAL CALL SYSTEM

Harry F. Olson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1946, Serial No. 644,523
3 Claims. (Cl. 177—353)



1. A personal call system of the class described comprising a central audio generator, a plurality of transmitting coils located at different locations and connected to said generator for creating an audio magnetic field when actuated by said generator, a plurality of small, individual receivers, each adapted to be carried by a person subject to call on said system, each of said receivers having means for picking up energy from the magnetic field of a coil adjacent thereto, driving means actuated by said pickup means, reeds responsive to said driving means, each reed being tuned to respond to only one frequency within the output range of said audio generator, and means actuated by response of said reeds for arresting the attention of a person carrying one of said receivers, said last mentioned means including a battery and a signal device.

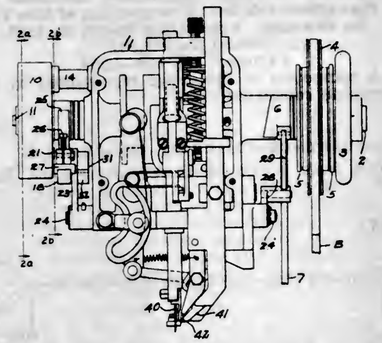
2,494,452

CLUTCH AND BRAKE CONTROL FOR SHOE STITCHERS

Walter Pearson, deceased, late of Whitman, Mass., by Virginia M. Pearson, administratrix, Whitman, Mass., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri

Application April 27, 1944, Serial No. 532,992
9 Claims. (Cl. 192—144)

1. In a sewing machine, an operating shaft provided with a driver and a brake, a clutch for connecting the shaft to the driver, a manually operable member for controlling said clutch, shaft actuated structure for applying the brake, mechanism automatically holding said structure inoperative when the clutch is engaged, and shaft-operated means associated with said structure for



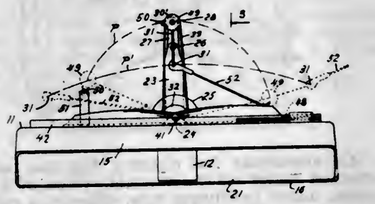
releasing the brake from said mechanism when said clutch is disengaged.

2,494,453

MECHANICAL PAGE TURNER

Frank Reck, Flushing, N. Y., assignor to Aeronautical Research Corporation, New York, N. Y., a corporation of Delaware

Application October 24, 1946, Serial No. 705,322
14 Claims. (Cl. 40—104)



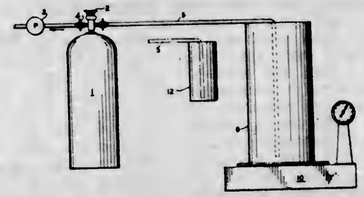
12. A mechanical page turner, comprising a support for a book, an oscillatory arm, reversible motive means operatively connected to said arm, a lever mounted on said arm and normally biased to a neutral position and adapted to be moved to either of two operative positions, means operatively associated with said lever for alternately reversing said motive means by alternately moving said lever between its two operative positions, a free-wheeling pulley operatively carried by said arm, a stationary reel positioned with its center in alignment with the pivot of said arm, an endless belt operatively connecting said pulley and reel and fixed at one point to the reel, a page-lifting element carried by said lever and adapted as said arm approaches one end of its oscillatory movement to engage the page to be turned of a book on said support with sufficient force to move said lever to one of its operative positions and to initiate lifting of the page upon the subsequent reversal of the movement of said arm, a finger secured to said pulley and moving as a consequence of the combined action of said arm and pulley in a path to turn the page lifted by said element, a follower operatively associated with said finger and adapted to hold down the turned page, and means for moving said lever to its other operative position as said arm approaches the other end of its oscillatory movement.

2,494,454

METHOD OF FILLING A CONTAINER BY VACUUM AND THEN PLACING THE CONTAINER UNDER PRESSURE

Alexander J. Ritchie, Bayonne, N. J., assignor to Electric Boat Company, Bayonne, N. J., a corporation of New Jersey

Application August 10, 1944, Serial No. 548,937
2 Claims. (Cl. 226—116)



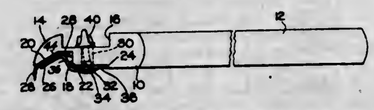
1. The method of charging a container with a smoke composition comprising titanium tetrachloride, carbon bisulfide and phosphorus which comprises placing the container in a substantially dry condition under a vacuum, using the vacuum to suck titanium tetrachloride into the container, stopping the flow of titanium tetrachloride into the container leaving an appreciable space and a partial vacuum therein, then using the remaining vacuum to suck a solution of phosphorus in carbon bisulfide into the container, and then charging liquid carbon dioxide into the container.

2,494,455

SCRAPER

Albert Soldani, Southbridge, Mass., assignor to Hyde Manufacturing Company, Southbridge, Mass., a corporation of Massachusetts

Application August 2, 1945, Serial No. 608,424
1 Claim. (Cl. 30—171)



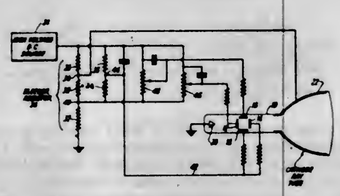
A scraper comprising a body having a forward blade-holding end and a rearward handle end, an upward and rearward inclined blade-clamping surface at the forward end of the body, a loose plate forming a movable blade clamping jaw; said plate being of elongated Z-form having a pair of spaced joined plane non-parallel portions, one of which clamps the blade and the other of which contacts the undersurface of the body, and a fastener connected to the plate and passing through the body for drawing the plate to the inclined blade clamping surface.

2,494,456
CONTAINER
Kathleen S. Still, Chicago, Ill.
Application March 18, 1946, Serial No. 655,048
6 Claims. (Cl. 128—272)



6. A container comprising an outer flask having an opening therein, at least one inner flask within the outer flask also having an opening, said flasks being joined together to make an integral structure and said openings being on corresponding ends of the flasks, and a puncturable diaphragm normally closing off each opening, said diaphragms being fixed in position.

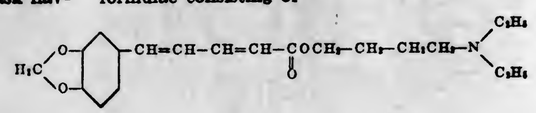
2,494,457
CENTERING CIRCUIT FOR TELEVISION RECEIVERS
William J. Stolze, Astoria, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 28, 1947, Serial No. 770,982
3 Claims. (Cl. 315—31)



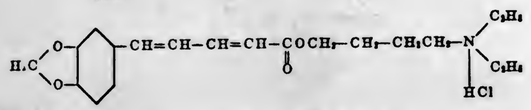
1. Apparatus for stabilizing the cathode ray beam centering potentials in a cathode ray tube of the electrostatic type, said apparatus including a source of high voltage of relatively constant value, a first resistor connected between the output of said high voltage source and ground, a connection between one anode of said cathode ray tube and a point on said first resistor, three additional resistors each connected in parallel relationship with at least a portion of said first resistor, connections between one deflecting plate of each pair and a point on one of the said additional resistors, and connections between the remaining deflecting plates, respectively, and points on the remaining additional resistors.

2,494,458
DIALKYLAMINO ALKYL PIPERATE AND ITS HYDROCHLORIDE
Martin E. Synerholm, Hastings on Hudson, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application March 22, 1947, Serial No. 736,591
1 Claim. (Cl. 260—338)

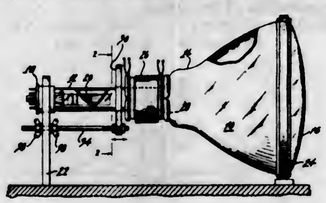
A compound of the group represented by the formulae consisting of



and

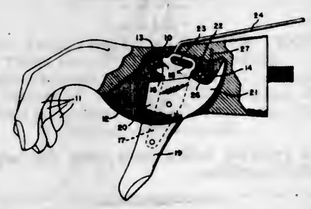


2,494,459
CATHODE-RAY BEAM DEFLECTOR
Charles Edward Torsch, Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 9, 1945, Serial No. 627,752
1 Claim. (Cl. 250—157)



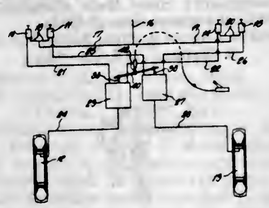
An apparatus for altering the size of the scanned raster on the viewing screen of a television image producing tube wherein a cathode ray beam is generated and wherein electromagnetic deflection is employed comprising an electromagnetic deflection yoke positioned around a portion of the cathode ray tube for deflecting the cathode ray beam in substantially mutually perpendicular directions when appropriate current variations are applied thereto to produce electromagnetic deflection fields substantially normal to each other and substantially normal to the axis of symmetry of the tube, a magnetic shunt in the form of an annulus of high permeability surrounding the cathode ray tube and positioned adjacent that end of the deflection yoke that is nearest the source of the cathode ray beam, means for adjusting the position of the magnetic annulus along the axis of the tube and with respect to the end of the deflection yoke whereby the effective intensity of the produced electromagnetic deflection fields may be altered in like proportion to thereby alter the size of the scanned raster, and means for securing the magnetic annulus in a desired position relative to the deflection yoke.

2,494,460
ARTIFICIAL HAND
Raymond B. Trautman, Minneapolis, Minn.
Application March 18, 1946, Serial No. 655,206
3 Claims. (Cl. 3—12)



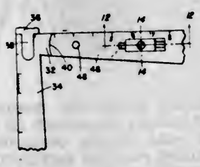
3. An artificial hand including a main portion and fingers thereon, an arm and a lever both pivoted on said main portion and swingable on relatively spaced parallel pivotal axes, a pin-and-slot connection between said arm and lever, a thumb mounted on the arm and swingable therewith back and forth from a closed tip-to-tip position in relation to the fingers to an open position substantially at right angles to the main portion of the hand, means for swinging the lever to effect such thumb-swinging movement of said arm through said pin-and-slot connection, said connection releasably locking the thumb in its closed position and moving to and fro crosswise through the space between said pivotal axes upon each cycle of said arm and lever in opening and closing said thumb, the pin in said connection reversing its movement in the slot thereof upon the movement of said connection through said space in either direction.

2,494,461
FLUID OPERATED BRAKE SYSTEM
Henry William Trevaskis, Solihull, Birmingham, England, assignor to Dunlop Rubber Company Limited, London County, England, a British corporation
Application May 2, 1947, Serial No. 745,479
In Great Britain May 20, 1946
4 Claims. (Cl. 188—152)



1. Fluid control brake apparatus which comprises a pair of brake applying means, two pairs of manual control units, one for each brake applying means, to control independently admission of fluid to, or its release from, said brake applying means, a master control for each brake applying means having a pair of valves, one for each of said control units, opening under fluid pressure from its respective control unit to its respective brake applying means, a lever connecting said valves to close one when the other is opened by fluid pressure, and a fulcrum for said lever movable to close both said valves.

2,494,462
STAIR LAYOUT TOOL
Elmore Van Winkle, La Porte, Ind.
Application July 19, 1946, Serial No. 684,932
1 Claim. (Cl. 33—93)



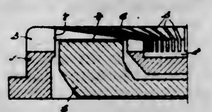
In a stair stringer tread and riser measuring the describing tool, the combination which comprises an elongated tread describing arm having a graduated straight outer edge with a sloping inner edge providing a narrow end and a wide end, said arm having a dovetailed nose carrying socket in one side and an extension on the said narrow end with the extension extended from the edge on which the sloping surface is positioned, said extension positioned with the outer edge thereof perpendicular to the outer graduated edge of the tread describing arm, and having a beveled diagonally disposed outer end with a latch bar receiving notch therein, and said extension having a recess with an arcuate inner end in one side thereof, a nose extended from the narrow end of said tread describing arm having a tongue with beveled edges positioned in the dovetailed nose carrying socket of the arm, a riser describing arm having a straight graduated outer edge with a sloping inner edge providing a narrow inner end and a wide outer end and having a tongue with an arcuate end edge extended from the said narrow inner end and positioned in the recess of the extension of the tread describing arm and with the arcuate end thereof nested in the arcuate end surface of the recess of the said extension of the tread describing arm with the riser describing arm extended for use, a pin extended through the tongue of the riser describing arm and extension of the tread describing arm for pivotally connecting the arms whereby the riser describing arm is foldable to a position parallel to the tread describing arm with the tool collapsed for storing, said riser describing arm having a beveled shoulder at the inner end of the tongue positioned to coact with the beveled end of the extension of the tread describing arm and with the said arcuate surfaces for retaining the riser describing arm in the extended position in relation to the tread describing arm, said riser describing arm also having a slot therein, a T-shaped latch bar slidably mounted in the slot of the riser describing arm and having a tongue extended into the notch in the beveled end of the extension for locking the riser describing arm in the extended position, a clamping plate positioned against the said latch bar for retaining the latch bar in the said slot, and a screw extended through the said plate and threaded into the said latch bar for securing the said latch bar in the position of retaining the riser describing arm extended for use.

2,494,463
APERTURED CUTTING PLATE FOR DRY-SHAVING DEVICES
Wilhelmus Lambertus Leonardus Vivie, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 3, 1946, Serial No. 667,025
In the Netherlands March 14, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 14, 1962
2 Claims. (Cl. 30—43)



1. Dry shaving apparatus, comprising a substantially flat cutting plate with an enclosed cutting member, said cutting plate being provided with an apertured running surface for said member and comprising a plurality of sloping ribbed portions extending from the shaving surface thereof, said ribbed portions being integral with said cutting plate and so extending beyond the shaving surface of the said cutting plate to bulge the skin to be shaved.

2,494,464
ROTARY DRY SHAVER
Wilhelmus Lambertus Leonardus Vivie and Albertus van de Lee, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 4, 1946, Serial No. 667,392
In the Netherlands January 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 13, 1962
6 Claims. (Cl. 30—43)



1. Dry shaving apparatus, comprising an annular cup-shaped cutting plate and a rotary cutting member, said plate having an apertured annular running surface for the said member, said plate being axially thinner at the inner portion of the said running surface than at the outer portion of the said surface.

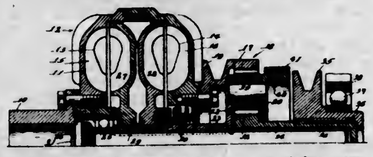
2,494,465
APPARATUS FOR CLASSIFYING PARTICLES
John E. Watson, Westport, Conn., and Charles B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn., a corporation of Connecticut
Application May 23, 1945, Serial No. 595,392
8 Claims. (Cl. 209—144)

1. Apparatus for classifying and separating particles suspended in gases which comprises a centrifugal tube, an open-ended outlet pipe extending downwardly into said tube to form an annular space therein, said tube having means for admitting gases tangentially to said annual space, an expanding extension at the lower end of said tube, a truncated hollow cone in said extension and spaced from the walls thereof to form an annular downwardly expanding passage, an upwardly directed gas injection pipe in said



cone, a receiver below said cone for separated suspended particles.

2,494,466
VARIABLE SPEED POWER TRANSMISSION
Lloyd J. Wolf, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application July 15, 1948, Serial No. 38,855
2 Claims. (Cl. 74—688)



1. A power transmission comprising an hydraulic coupling having an impeller and a runner, planetary gear means including a ring gear, a sun gear and a carrier supporting a plurality of planet pinions in mesh with the gears, the ring gear being connected to the impeller and the sun gear being adapted for connection to a load and the carrier being connected to the runner, and brake means for stopping the rotation of the carrier to provide a reverse drive.

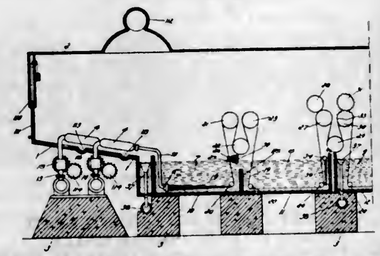
2,494,467
CAR DOOR
Wilfred A. Beauchamp, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application August 9, 1945, Serial No. 609,799
6 Claims. (Cl. 20—26)



1. In a railway house car having a door opening, a threshold plate in said door opening having a depending flange, a door track, brackets secured to said car and supporting said track in spaced relation to said flange, a sliding lift door adapted to be frictionally supported by said track, a flange on said door extending below said track and between said track and said threshold plate

flange, and a weatherproofing member secured to said brackets, said member having an upstanding flange abutting the inner face of said threshold plate flange and a flange extending outwardly and abutting the edge of said door flange when said door is frictionally supported, the upper edge of said upstanding flange of said member lying below the upper edge of said threshold plate flange, the lower edge of said latter flange lying above said outwardly extending flange of said member whereby said member may be adjusted vertically to contact the lower edge of said door flange when said door is frictionally supported.

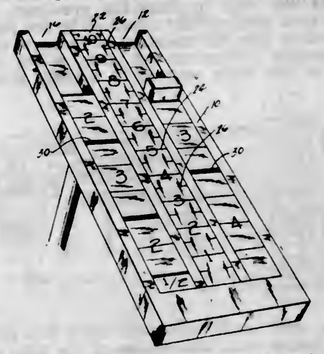
2,494,468
METHOD FOR THE CONTINUOUS PRODUCTION OF SYNTHETIC FIBERS
Benno Borzykowski, New York, N. Y., assignor to Swiss "Borvisk" Company, Wilmington, Del.
Application November 12, 1943, Serial No. 510,004
4 Claims. (Cl. 18—54)



1. A method for the continuous production of synthetic filaments comprising extruding a spinning solution through adjacent spinnerettes into a coagulating bath, producing by adjustment of the concentration of the bath ingredients partially coagulated filaments while maintaining the same in the bath in a separated horizontal and unsupported position, drawing the partially coagulated filaments by a multi-roller unit through at least one additional coagulating bath to complete the coagulation, hereupon drawing the completely coagulated filaments by a multi-roller unit through at least one after-treating bath to produce the finished filaments, maintaining the filaments in the said additional coagulating bath and in the after-treating baths in the separated unsupported horizontal position and under tension and subjecting the filaments during their passage through the multi-roller units to a successive stretching and shrinking action by said rollers.

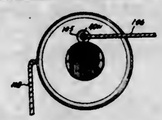
2,494,469
EDUCATIONAL TOY
Morris F. Booth, Alden, Mich.
Application September 13, 1946, Serial No. 696,629
5 Claims. (Cl. 35—73)

1. In combination a device having a plurality of parallel recessed guides, a block adapted to be retained in one of said guides and having on one side thereof equal divisions along the length thereof, said divisions being numbered consecutively starting from one, the other side of said block having similar numbered divisions which are further equally subdivided, and blocks having lengths corresponding to the distance from one end of said first mentioned block to any of the numbered divisions thereon and a thickness equivalent to the length of at least one of said subdivisions so that when said last mentioned blocks are inserted lengthwise in the form of a column in one of said guides, the height of said column corresponds to a number of divisions on



one side of said first mentioned block and when inserted endwise the height of the column corresponds to a number of subdivisions on the other side of said first mentioned block.

2,494,470
INDUCTION COIL
Wilbur L. Carlson, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 27, 1943, Serial No. 515,674
5 Claims. (Cl. 175—361)

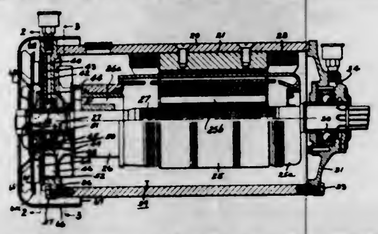


3. An induction coil having a primary sub-assembly comprising a magnetizable core, a primary winding thereon and having its inner end attached to the core and a split metal ring terminal and an annular member of insulating material directly supported on the core, said member insulating the terminal from the core, the terminal ring being connected with the outer end of the primary winding said coil having a secondary sub-assembly comprising a non-conducting tube, a metal ribbon extending through one side of the tube to provide a connector lead extending from the inside of the tube and to provide means for attaching a secondary wire prior to winding, a secondary wound upon the tube, a terminal for the outer end of the secondary, and a non-magnetizable metallic ribbon surrounding the secondary to provide an electrostatic shield, said second ribbon being attached to the outer end of the secondary and supporting a terminal for the secondary, the first mentioned metal ribbon being connected with the split ring.

2,494,471
VENTILATING APPARATUS FOR DYNAMO-ELECTRIC MACHINES
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 12, 1946, Serial No. 661,567
7 Claims. (Cl. 171—252)

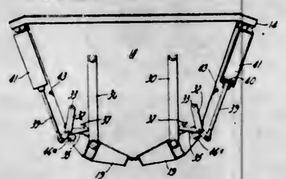
1. A dynamo-electric machine comprising a tubular frame closed at each end to form a

chamber, one end wall of said chamber having spaced openings; a plate of high heat conductivity attached to the exterior of said mentioned one wall to close the openings; fins of high heat conductivity attached to the plate and extending into the openings to increase the heat dissipating surface of the plate, a fan on each side of the plate secured to a shaft journalled



in the said mentioned wall, each fan provided with blades with the blades of the interior fan directing heated air within the chamber toward the plate and fins and the exterior fan drawing heat absorbed by the plate from the plate; and fins carried by the exterior fan and in close proximity to the plate to facilitate a more rapid transfer of the heat from the heated air within the chamber.

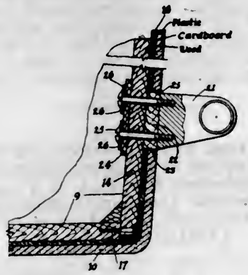
2,494,472
DUMP TRAILER FOR SEMITRAILER TYPE VEHICLES
Leo F. De Saussure, Oakland, Calif.
Application August 12, 1946, Serial No. 689,853
8 Claims. (Cl. 298—31)



1. In a vehicle of the character described, a body having sides and ends, a pair of complemental gates to form a closure for the bottom of the body, a pair of aligned pendulum levers for each gate, said levers being connected at their lower ends to the gates substantially midway between the sides of the gates, said levers being connected at their upper ends to the body at a point substantially vertically overlying the pivotal points of connection of their lower ends with the gates when the gates are in closed position, a pair of aligned link levers for each gate pivoted at their lower ends to the gate adjacent the outer side thereof and at their upper ends to the body above the gate and inwardly of the body relative to their pivotal point of connection with the gate, the pivotal axes of said link levers and said pendulum levers being in parallelism.

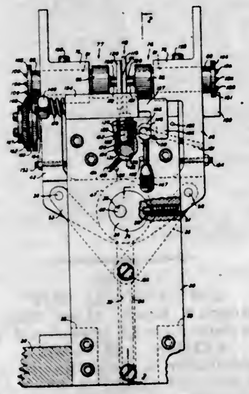
2,494,473
PLASTIC CASKET
Arthur P. Dowling, Narberth, Pa., assignor to Plastic Products Corp., New York, N. Y., a corporation of Connecticut
Application July 29, 1944, Serial No. 547,127
13 Claims. (Cl. 27—3)

4. A casket comprising an inner reinforcing mold polyangular portion, an outer polyangular encompassing seamless polymer layer, substantially enclosing the reinforcing portion, and an intermediate compressibe layer formed of two different elements in endwise substantial coextension, of which one element is capable of yielding under compression and is disposed about the angles of the respective polyangular mold portion



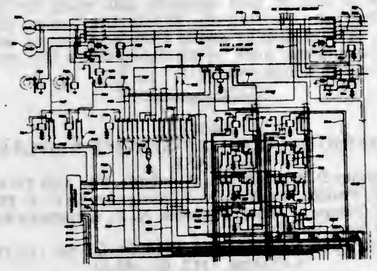
and the other element of which is capable of yielding under shear and is disposed adjacent to the areas between the angles of the said polyangular mold, said intermediate layer being disposed between the portion and the polymer layer permitting relative differential contraction and expansion without disruption of the outer layer.

2,494,474
APPARATUS FOR SOLDERING LEAD WIRES TO ELECTRICAL UNITS
Armen Fermanian, Rutherford, George W. Soderman, West Englewood, and William J. Workman, North Arlington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 12, 1949, Serial No. 70,422
11 Claims. (Cl. 219—12)



1. In a soldering apparatus, a support for an article to which a part is to be soldered, a clamp to removably clamp the article on the support, a holder for the part to be soldered to the article movable into and out of soldering position relative to the support for the article, and means operable for movement of the clamp into and out of its clamping position and to bar movement of the holder into its soldering position until the clamp is moved into its gripping position.

2,494,475
FRINGE OFFICE ARRANGEMENT
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1945, Serial No. 590,260
14 Claims. (Cl. 179—18)



1. In a telephone system, a local office, a distant office, a calling line in said local office, tandem trunks leading to said distant office, a cross bar line switch into which calling lines are coming having access to said tandem trunks, a register sender, means responsive to a call originated by said calling line to connect said calling line over said line switch with an idle register sender, means to apply a signal to said calling line, means in said register sender to test for said signal on said calling line, and means under the control of said signal test means to operate said line switch to connect said calling line with an idle one of said tandem trunks.

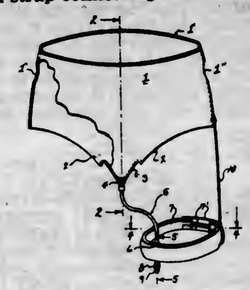
2,494,476
REPAIR COUPLING FOR CHRISTMAS TREE BRANCHES
Allan Goetter, Wauwatosa, Wis.
Application September 16, 1948, Serial No. 49,494
1 Claim. (Cl. 248—42)



A new article of manufacture, a repair coupling for Christmas tree branches, comprising a tapered wire coil including a closed coil socket base section flattened upon two sides and terminating with a centrally disposed staple having a pointed flat chisel end, the flattened faces being in horizontal alignment with the flattened coiled base socket, the outer end of said closed coil base socket terminating with an open coil yieldable section for supporting the load of a tree branch.

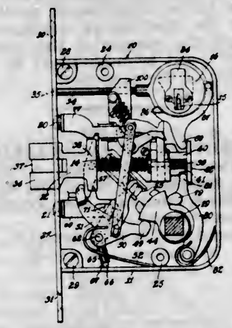
2,494,477
URINAL COLLECTING GARMENT
George E. Kurtz, Petoskey, Mich., assignor of one-half to Roy A. Fisher, Plymouth, Mich.
Application October 23, 1948, Serial No. 56,211
2 Claims. (Cl. 128—295)

1. In an elastic urinal pocketed garment of the "shorts" type, having a waistline hip portion and leg opening bands and a downwardly inclined tapered pocket formed in the crotch; a sleeve seated in the discharge end of the pocket, a split tubular elastic ring adapted to envelope the thigh of a user, a sleeve in communication with the upper inner edge of the ring, a flexible tube connecting the crotch sleeve and ring sleeve, a tape strip connecting the ends of the split ring, a suspension strap connecting the outer side of the



ring and the hip portion of the garment, and a manually controlled drainage valve in communication with the bottom edge of said ring.

2,494,478
DOOR LOCK
Joseph Kuzma, Bellmore, N. Y.
Application June 1, 1949, Serial No. 96,439
11 Claims. (Cl. 292—165)

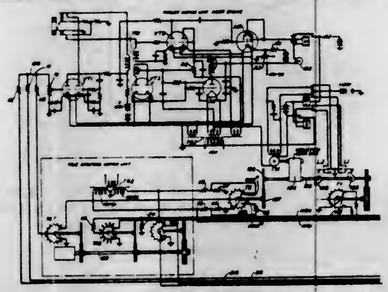


1. A lock comprising a housing, a single latch bolt reciprocable within the housing and having an outer end extending therefrom, means normally urging the outer end of the latch bolt outwardly from the housing, means restraining the inward movement of the latch bolt, and means positioned wholly within the housing rendering said last mentioned means ineffective for a single inward movement for the latch bolt.

2,494,479
POWER-PLANT SIMULATING DEVICE FOR GROUNDED AIRCRAFT PILOT TRAINERS
Joseph J. Lukacs, New Rochelle, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1946, Serial No. 680,359
11 Claims. (Cl. 35—12)

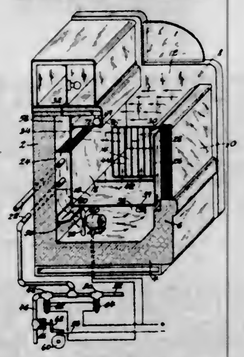
2. In an aircraft trainer wherein the operation of an airplane engine is simulated, means for simulating the manifold pressure of an engine, means for simulating the speed of rotation of said engine, a source of current, a control conductor, means for deriving a potential from said source of one phase which increases as the manifold pressure increases above a predetermined value and for deriving a potential from said source of the opposite phase which increases as

the manifold pressure decreases below the predetermined value, means for causing the derived potential to increase as the simulated engine speed increases and for applying it to said conductor, a potentiometer for deriving a balancing potential from said source of one or the opposite phase and for applying it to said conductor, a motor responsive to an unbalanced potential condition on said conductor for adjust-



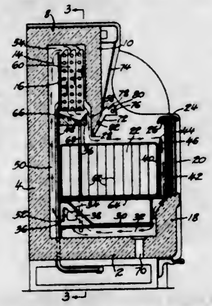
ing said potentiometer until the sum of the potentials applied to said conductor becomes zero, and other means controlled by said motor which will assume a position representative of a negative value of thrust which would result in an airplane from the lowering of the manifold pressure through the closure of the throttle while high engine speed is maintained by the windmilling action of the propeller.

2,494,480
SELF-SERVICE REFRIGERATED CASE HAVING A DEFROSTING SYSTEM
Malcolm D. MacMaster, Woodside, Pa., assignor to C. V. Hill & Company, Inc., Trenton, N. J., a corporation of New Jersey
Application April 29, 1946, Serial No. 665,912
18 Claims. (Cl. 62—2)



1. A self-service refrigerated display case comprising a display space which is thermally insulated about its bottom and side walls but open at the top for access to customers, an article support spaced from said bottom and having opposite edges thereof spaced from opposite side walls of the case, baffles extending upward adjacent said opposite edges of the article support and spaced from said opposite side walls of the case, said baffles terminating below the upper edges of said opposite side walls and cooperating with said side walls and article support to define an air circulating duct extending beneath said article support and having its opposite ends open and located at substantially the same level but below the upper edges of said opposite side walls of the case, refrigerating means in said duct, means for positively circulating air through said duct, and means located adjacent the upper edge of one of said opposite side walls for directing air horizontally across the upper portion of said display space from one end of said air circulating duct to the other below the open top of the display space.

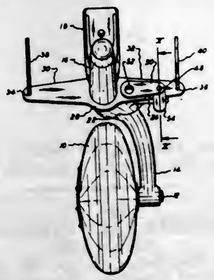
2,494,481
REFRIGERATED SELF-SERVICE DISPLAY CASE
Malcolm D. MacMaster, Woodside, Pa., and Victor W. Smith, Trenton, N. J., assignors to C. V. Hill & Company, Inc., Trenton, N. J., a corporation of New Jersey
Application November 30, 1946, Serial No. 713,284
8 Claims. (Cl. 62—89.5)



1. A refrigerated self service display case permitting unobstructive access to articles therein comprising means forming a chamber which is open at the top and thermally insulated about the front, bottom, rear and ends of the chamber, said chamber having means forming a display space therein which is open at the top for access to said space, means forming an air channel extending about the front, bottom and rear of the display space, said channel terminating in inlet and outlet openings communicating with said space at the front and rear thereof respectively and at points adjacent but below the top of said chamber, refrigerating means located in said air channel adjacent said outlet opening, means for positively circulating air in a cycle through said channel and over said refrigerating means to said outlet opening at the rear of the display space, means for directing substantially all of the air thus circulated horizontally across but below the top of the chamber to said inlet opening whereby said air, while at its lowest temperature in the cycle, is caused to establish an air curtain opposing infiltration of external air downward into contact with articles in said display space.

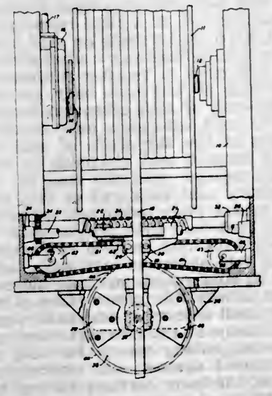
2,494,482
STEERABLE AND FULL SWIVELING TAIL WHEEL
Belford D. Maule, Michigan Center, Mich.
Application March 20, 1947, Serial No. 735,927
4 Claims. (Cl. 244—50)

1. An airplane tail mounting comprising a wheel, an axle on which said wheel is free to rotate, a swivel arm on which said axle is mounted, a swivel post having at one end a bracket for holding said swivel post on an airplane, a locking arm mounted on said swivel arm, a steering bracket mounted on said swivel post adjacent said locking arm and said swivel arm, an aperture defined in said steering bracket concentric to said first aperture,



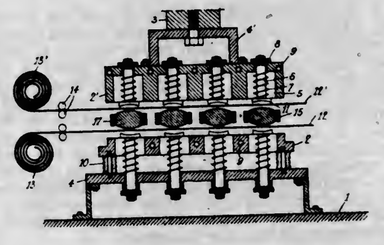
a resiliently urged stud received in said two apertures to maintain said locking arm and said steering bracket in parallel relationship, and a lever mounted upon said steering bracket and bodily movable therewith for moving said stud out of said first aperture to allow said locking arm and said swivel arm to turn independently.

2,494,483
CENTRIFUGAL FORCE COMPENSATING MECHANISM
Harry H. Merwin, Rutherford, and Ellwood W. Reynolds, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1947, Serial No. 785,272
5 Claims. (Cl. 57—71)



1. A centrifugal force compensating mechanism for an element rotatable about an axis and having means to simultaneously reciprocate the element transversely of the axis between given limits at each side of the axis, the element, as it moves in either direction toward or away from the axis, being affected by a varying centrifugal force tending to increase the speed of movement of the element outwardly from the axis and retard the speed of movement of the element toward the axis, the centrifugal force compensating mechanism comprising a member having spaced weight portions mounted adjacent the axis and rotatable about the axis with the element, and means connecting the member to the element and actuated thereby to cause movement of the member during reciprocation of the element whereby the weight portions of the member will be moved relative to the axis to counteract the centrifugal forces tending to increase and retard the speed of movement of the element.

2,494,484
APPARATUS FOR OBTAINING MULTIPLE PACKAGES, ESPECIALLY ADAPTABLE FOR TABLETS AND SIMILAR PRODUCTS
Charles Nicolle, Gentilly, France
Application January 23, 1947, Serial No. 723,759
In France January 22, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 22, 1966
17 Claims. (Cl. 18—19)



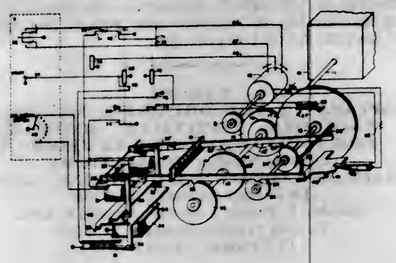
1. An apparatus for producing a multiple package containing a plurality of small articles individually enclosed between two superposed sheets of plastic material comprising means for carrying and holding a number of said articles in the desired relative position to one another, means for inserting said first means between and removing it from between the said sheets, means for releasing the articles from the carrying and holding means while the latter is inserted between said sheets, means for pressing the sheets toward each other and deforming them over the articles disposed therebetween and means for securing the sheets together around each such article.

2,494,485
MUSICAL INSTRUMENT
Andrew Love Notara, Elmwood Park, Ill.
Application September 30, 1947, Serial No. 777,027
8 Claims. (Cl. 84—1.16)



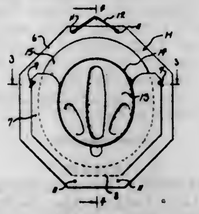
1. A musical instrument comprising in combination a lengthy extensible band, mechanism to hold said band in a taut condition for vibratory sound producing movements, a piezoelectric crystal directly contacting and supporting said band near one end to receive said movements and produce an electromotive force varying in accordance therewith, and a reproducer to produce sound waves varying in accordance with said electromotive force.

2,494,486
RADIO TUNING CONTROL
Edward S. Peterson, Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 9, 1946, Serial No. 668,352
12 Claims. (Cl. 318—265)



4. In an automatic tuning device for a radio set, a tuning shaft, motor means, circuit starting means for operating said motor means to rotate said shaft at a normal operating speed, a stop member connected to said shaft and rotated thereby, means including a circuit completed in response to a predetermined rotation of said shaft at said normal speed for thereafter controlling said motor means to reduce the speed of rotation of said shaft, and means including an element thereafter engaged by said stop member for controlling said circuit starting means to stop said motor means and halt the shaft in a predetermined angular position.

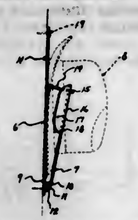
2,494,487
PORTABLE HAT HOLDER
Ernest William Pfeil, Milwaukee, Wis.
Application October 12, 1946, Serial No. 702,935
1 Claim. (Cl. 211—32)



A hat holder formed from a single sheet of material comprising an upright panel having a substantially U-shaped opening therein defining a rim and a central display portion, a U-shaped yoke struck out from said opening and integrally and hingedly connected at its lower edge to the rim only, movable into said opening within the plane of the opposite faces of said panel when the yoke is in its collapsed position, and means for limiting the outward swinging movement of the yoke.

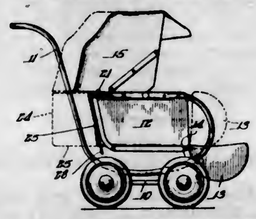
2,494,488
HAT HOLDER
Ernest W. Pfeil, Milwaukee, Wis.
Application September 12, 1947, Serial No. 773,697
4 Claims. (Cl. 211—32)

1. A hat holder comprising a front supporting panel, a substantially U-shaped yoke hingedly connected at its lower edge to the panel, means for limiting the outward swinging movement of



the yoke and yielding lips carried by the inner side edges of the yoke for engaging a hat crown.

2,494,489
CONVERTIBLE BABY CARRIAGE AND STROLLER
Walter L. Raucher, Chicago, Ill., assignor to Helen Raucher, Chicago, Ill.
Application January 25, 1949, Serial No. 72,701
6 Claims. (Cl. 280—34)

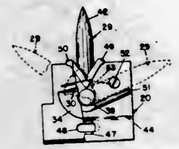


1. In a convertible baby carriage having a wheel-chassis, a main body having a base and upstanding side-walls on said chassis, a hood on said main body, a back-rest hinged transversely on said base to rock thereon, and means to hold said back-rest in adjusted positions, the novel combination of a rigid rearward base-extension hinged transversely on said base in substantially longitudinal registration with said base, flexible side-walls in register substantially with the side-walls of said main body, an upstanding rigid back-wall of said extension hinged transversely on said extension and connecting the rear edges of the side-walls of said extension, means to support said extension in substantial horizontal register with the base of said main body whereby said back-rest of said main body may be folded down onto said extension, said extension back-wall then folded down onto said main body back-rest on said extension causing folding of said extension side-walls, said extension and its superposed back and back-rest then folded up to take the former place of said main back-rest, said extension side-walls passing into the main body of the carriage thereby, whereupon the supporting means for said extension may be moved against said extension to hold it in place, the baby carriage having been thus converted into a stroller.

2,494,490
STRAND SEVERING DEVICE
Carl D. Rinehart and Michael Kocsuta, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 27, 1946, Serial No. 712,572
11 Claims. (Cl. 57—86)

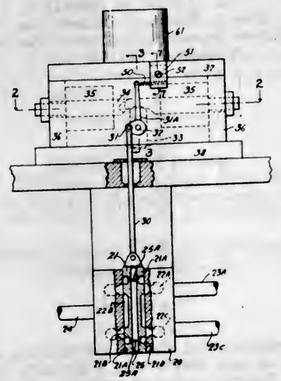
1. A device for severing the remaining strand of a plurality of strands passing therethrough

comprising means for guiding at least two strands to a cutting means, pivoted cutting means between said guiding means, said cutting means being inoperatively positioned by the said passing strand, means positioned between said guiding means adapted to keep separated said strands



and said strand separating means comprising a vertically positioned member above the cutting means, said vertical member being adapted to rotate said cutting means into the path of the remaining unsevered strand when the other of said strands becomes severed.

2,494,491
IRONCLAD ELECTROMAGNET WITH PIVOTED ARMATURE
Oscar E. Rosaen, Detroit, Mich., assignor to The Lodge and Shipley Company, Cincinnati, Ohio, a corporation of Ohio
Application April 25, 1946, Serial No. 664,902
3 Claims. (Cl. 175—337)

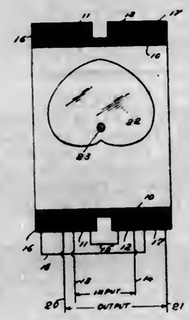


1. Valve operating means comprising an elongated rectangular frame of magnetic material, a pair of core members secured to the inner faces of the end members of said frame and extending coaxially towards each other, solenoids on said cores adapted to be separately energized with electric current, the free ends of said cores having spaced parallel oblique faces forming an air gap disposed obliquely to the longitudinal axes of said cores, an elongated armature rotatably mounted in said frame, the longitudinal axes of said cores being in the plane of rotation of said armature, one end of said armature being adjacent said oblique air gap, the adjacent surfaces of said cores and armature being arcuate and concentric about the axis of rotation of said armature, the arcuate end of said armature being beveled on opposite sides to form at said end an edge disposed at substantially the same oblique angle as said air gap when the armature is centered, the opposite end of said armature being disposed in close proximity to a portion of said frame, and means urging said armature to its centered position, said armature turning on its axis in one direction or the other in response to energization of one or the other of said solenoids.

2,494,492
PRODUCTION OF BUTILE TITANIUM DIOXIDE
Lawrence E. Ross and Charles A. Tanner, Jr., Amherst, Va., assignors, by mesne assignments, to American Cyanamid Company, a corporation of Maine
No Drawing. Application January 31, 1942, Serial No. 429,118
13 Claims. (Cl. 23—202)

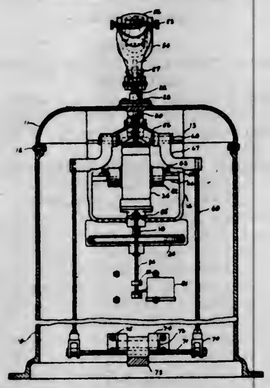
1. A process for preparing a rutile seeding agent, which comprises treating an alkali metal titanate with a monobasic acid in sufficient amount to completely convert the alkali metal content to the salt of the monobasic acid and to theoretically convert about 20% to 50% of the titanium content to the salt of the monobasic acid, and boiling the resultant mixture for about one hour, whereby the titanium content is substantially converted to a rutile conversion seed showing rutile structure upon X-ray analysis.

2,494,493
DIFFERENTIAL TRANSFORMER
Herman Schaevitz, Collingswood, N. J.
Application August 24, 1948, Serial No. 45,965
11 Claims. (Cl. 171—119)



1. An electro-magnetic unit comprising two coaxially aligned and spaced air core secondary coils connected in electrical opposition and having terminals for a voltage output, a primary coil inductively coupled to said secondary coils and having input connections for a source of current, a core of magnetizable material comprising a substantially flat disc rotatably mounted within said secondary coils on a rotor axis normal to the flat disc and normal also to the common axis of the secondary coils, said flat disc being of irregular profile which in axial projection surrounds and encloses said rotor axis and being symmetrical about a plane diametrical of the rotor axis bisecting said disc, and means responsive to a transmitted torque for turning said core about its axis, whereby said output is proportioned as a function of such angular motion.

2,494,494
HEEL ATTACHING MACHINE
Edward F. Small, Newton, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application May 16, 1947, Serial No. 748,380
7 Claims. (Cl. 12—42)



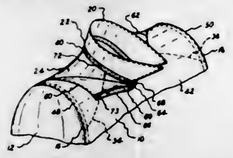
1. In a screw inserting machine, a work support, a rotatable spindle, a screw driver mounted upon said spindle, means for rotating said spindle and screw driver in a screw driving direction and for moving such assembly towards said work support, means for reversing the direction of rotation of said spindle and for allowing it to move away from said work support, and means for preventing reverse rotation of the screw driver mounted upon said spindle until said spindle has moved away from said work support a distance sufficient to disengage said screw driver from driving engagement with a screw.

2,494,495
ROTARY FILM HOLDER
Wilfred E. Tait, Westport, and August W. Stellpflug, Weston, Conn., assignors to American Safety Razor Corporation, Brooklyn, N. Y.
Application June 20, 1945, Serial No. 600,560
1 Claim. (Cl. 95—38)



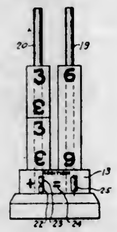
Photographic apparatus consisting of a plate carrying a threaded stud, the hub having a threaded aperture adapted to receive said stud, the hub having a peripheral flange which surrounds a socket depression in the hub, a rotary film carrier having a counter-sunk upper face and an underlying annular channel, the film carrier having a cavity adapted to receive a disk-like negative formed with a central aperture, a disk-like plate within the counter-sunk face of the film carrier and apertured to receive said hub, a disk-like plate closing the film cavity of the film carrier and having a ring projection entering the annular channel of said film carrier, and means associated with said hub for securing the elements in connection whilst permitting rotation of the film carrier and said rotary film carrier having a diameter larger than said stud carrying plate and said disklike plates so as to be accessible from the outside for direct rotation.

2,494,496
SHIRT CONSTRUCTION
Max D. Taylor, Jackson, Mich.
Application February 1, 1947, Serial No. 725,895
6 Claims. (Cl. 2—115)



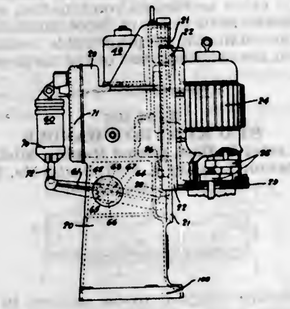
1. A garment comprising back and front panels, a collar joined to said panels, said back panel having extensions which extend over the front of the shoulders of the shirt and having a neck portion which is permanently attached to said collar for a distance less than the total perimeter of said collar, said front panel having extensions which overlap the extensions of said back panel and having a neck portion which is detachably attached to said collar for a distance less than the total perimeter of said collar but more than the difference between the distance of attachment of said back panel and the total perimeter of said collar, the extensions of said back and front panels overlapping in lines converging in a point beyond their respective junctures with said collar.

2,494,497
EDUCATIONAL DEVICE
Buel L. Trapnell, Pulaski, Ga.
Application August 9, 1946, Serial No. 689,324
4 Claims. (Cl. 35—73)



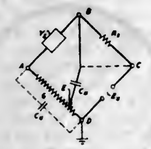
1. An educational device comprising at least one block of unit length and a plurality of blocks of diverse lengths but each having a length which is a multiple of said unit length, each of said blocks having a bore extending lengthwise therethrough for positioning said blocks upon the below-mentioned posts, a key block having indicia thereon of the mathematical operation to be performed, said key block having two parallel bores extending therethrough for positioning said key block upon said below-mentioned posts, and two juxtapositioned posts for said blocks, said key block being adapted to be held jointly by both of said posts, one of said posts receiving a block of multiple unit length and positioned upon said key block as indicated by said key block, the other post receiving a plurality of blocks each of lesser unit length but in total equal to said block of multiple unit length, said blocks of lesser unit length also being positioned upon said key block as indicated thereby whereby the said blocks illustrate concretely a mathematical problem and its solution.

2,494,498
SAFETY DEVICE
Lawrence Williams and Edward J. Vosler, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 30, 1945, Serial No. 607,720
4 Claims. (Cl. 74—55)



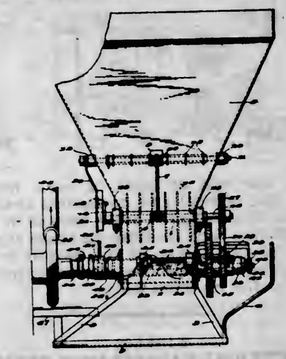
1. A safety device for apparatus consisting of a reciprocative carrier held in operative engagement with the outer contour of a rotating cam by a power actuated lever whereby said carrier is moved in one direction by said lever, under the control of the rotating cam and moved in the opposite direction by the cam itself against the effect of said power actuated lever; and a detent operatively connected to the cam and held thereby in the path of carrier movement while said cam is in normal rest position, whereby automatic movement of said carrier is prevented when said lever is rendered inoperative while the cam is in normal rest position.

2,494,499
BRIDGE NETWORK
Henry T. Wilhelm, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 24, 1945, Serial No. 606,805
4 Claims. (Cl. 323—75)



1. A neutralizing network for an alternating current bridge, said bridge having a plurality of terminals and a resistance arm between two of its terminals which has an inherent undesired shunt capacitance requiring compensation, said neutralizing network comprising a neutralizing admittance connected to a third terminal of said bridge and to a fixed point on said resistance arm, the location of said point along said resistance arm and the size of said neutralizing admittance being so selected that the network formed by said neutralizing admittance and the resistance shunted by the undesired capacitance substantially eliminates the effect of the undesired capacitance.

2,494,500
PNEUMATIC CONVEYING MACHINE
Ray Charles Andres, Big Rapids, Mich., assignor to Heme Protection Company, Inc., a corporation of Michigan
Application April 28, 1947, Serial No. 744,399
12 Claims. (Cl. 302—17)

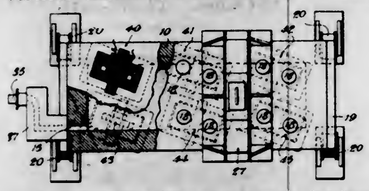


1. Automatic feed regulating mechanism for controlling the feeding of fluent solid materials from a hopper into the fluid current of a pneumatic conveyer comprising a feed box receiving the material from said hopper, an upwardly opening trough of arcuate cross section disposed within said feed box, a cylindrical hollow shaft journalled horizontally across said feed box within and substantially coaxial to said trough, said shaft having axially opening ends projecting exteriorly from said feed box, one of said open ends serving as a material discharge port and being in communication with said conveyer to supply material thereto, and means defining an air intake for the pneumatic conveyer immediately adjacent the discharge port, in combination with a radially outwardly projecting spiral flange formed on said shaft within said feed box, means for rotating said shaft in a direction whereby said flange will urge the material engaged thereby in an axial direction away from said discharge port, said shaft being formed with a spiral intake slot opening through its cylindrical wall into the hollow interior thereof, said slot being contiguous to and leading said flange, a bracket fixed to said feed box adjacent said other open end of the shaft, a fixed agitator carried by said bracket and projecting coaxially into said shaft, said agitator having a plurality of radially projecting arms disposed to brush across said spiral intake slot, and sealing means closing said other open end of the shaft between said shaft and said relatively coaxial agitator.

2,494,501
SUBMERGED RESISTOR INDUCTION FURNACE
Luther W. Bahney, Elizabeth, N. J., and Alfred H. Horswell, Jackson Heights, N. Y., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 3, 1946, Serial No. 666,984
2 Claims. (Cl. 13—29)

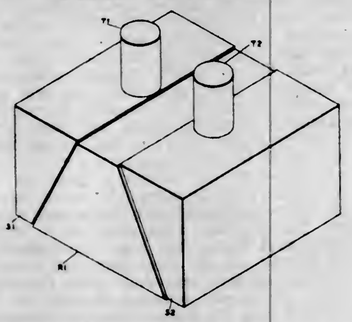
1. A furnace for melting metals and alloys comprising, in combination, an enclosed hearth, means supporting said hearth for oscillation about a horizontal axis, two rows of electric induction heating units depending from and detachably secured to said hearth, one row on one

side and one on the other side of the vertical axial plane of the hearth, and each of said heating units being provided with substantially vertical channels opening into the hearth and a horizontal channel connecting the bottoms of the vertical channels, and removable cleanout



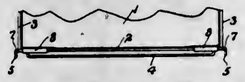
plugs at one end at least of each horizontal channel, the vertical and horizontal channels of the several heating units being located in parallel vertical planes, each forming an acute angle with the vertical axial plane of the hearth to permit direct access to the horizontal channels upon removal of the cleanout plugs.

2,494,502
ELECTRICAL CAPACITANCE DEVICE
Harold E. Barnes, East Orange, N. J., assignor to Ferris Instrument Laboratories, Boonton, N. J., a corporation of New Jersey
Application June 26, 1944, Serial No. 542,192
1 Claim. (Cl. 175—41.5)



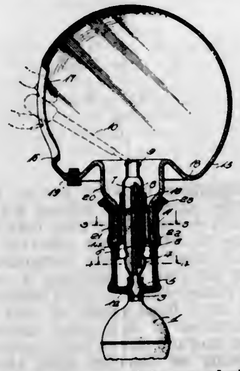
A variable electrical capacitance device having low overall inherent inductance making it suitable for use with bar type inductances in electrical resonant circuits operating at frequencies of the order of 250 megacycles per second or more, comprising a movable element formed of an elongated solid block of conducting material having a uniform trapezoidal cross section forming a pair of parallel faces and a pair of similarly and oppositely slanted plane faces, all the sides of said trapezoidal cross-section having dimensions of the same order of magnitude, and a pair of symmetrically arranged fixed independent relatively insulated fixed stator sections, each stator section being formed as a solid block of conductive material of massive configuration having a plane face parallel to and spaced uniformly from a respective one of said slanting plane faces of said movable element, each said stator section having a trapezoidal cross-section whose sides have dimensions of the same order of magnitude, said movable element being mounted for adjustment adapted to maintain said plane faces in substantially parallel variably spaced relation throughout the entire range of said adjustment and a pair of substantially cylindrical terminal post members each integrally formed with a respective one of said stator sections, and each extending outward from a face of its stator section adjoining its said plane face, said two terminal post members being adjacently parallel and of substantially equal extent, whereby they are adapted to be directly connected to a bar-type inductance element of minimum inductance value serving in combination with said low-inherent inductance variable capacitance device to obtain maximum practicable resonant frequency in the neighborhood of 250 megacycles per second.

2,494,503
STACKING BOX HANDLE
Lester D. Best, Grand Rapids, Mich.
Application January 4, 1947, Serial No. 720,294
1 Claim. (Cl. 220—97)



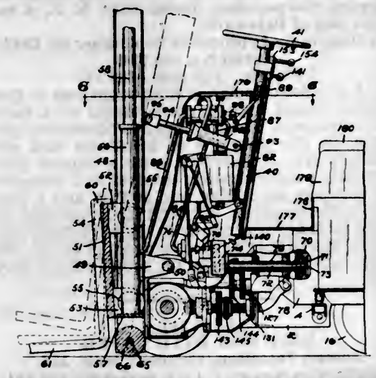
A structure adapted to be secured to a generally vertical side of an open topped receptacle comprising, a bar adapted for attachment at the outer side of and adjacent the upper edge of the receptacle, a handle of bail form, having an intermediate connecting portion and two spaced legs, one extending at right angles from each end of said intermediate portions, said legs terminating in portions extending inwardly toward each other located underneath the end portions of said bar, means for pivotally connecting the handle at said end portions to the bar to turn about an axis paralleling the length of the bar, said handle being of a single length of wire, and said means connecting the inwardly extending portions to the bar comprising a thin band of metal wrapped around each end of the bar and underneath an associated end of the handle, said band having overlapping portions, and securing means extending through said overlapping portions and the bar.

2,494,504
NEBULIZER
Joseph C. Boss, Clarendon, Va.
Application July 30, 1948, Serial No. 41,430
5 Claims. (Cl. 128—205)



1. A nebulizer comprising a hollow handle formed from flexible materials, an atomizer suspended within said handle, an air-bulb connected to said atomizer and extending beyond said handle, a sealed connection caused by said handle between said atomizer and air-bulb, a globular breathing mask, a cylindrical stem projecting from said globular mask and extending within said handle and means for connecting said stem to said handle.

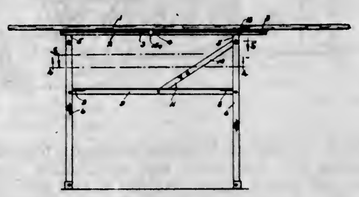
2,494,505
STABILIZED LOAD-LIFTING POWER-ACTUATED TRUCK
Charles S. Bouchard, Wellesley, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application June 30, 1948, Serial No. 36,056
11 Claims. (Cl. 214—113)



1. A stabilized load lifting power actuated truck having a main frame comprising vertical parallel rigid side plates of suitable thickness connected at their lower portions by a rear and an intermediate girder, means including an axle housing connecting the front ends of said side plates, traction wheels having alined axles journaled in said axle housing, a pair of swiveled rear steering wheels having vertical spindles yieldably journaled in brackets mounted on said side plates, means including an upwardly extending steering post mounted in the front portion of said frame having a steering handle, means operable thereby to rotate said spindles to guide the truck capable in conjunction with the differentially driven traction wheels to turn the truck within approximately its length, a mast fulcrumed on the front portion of said main frame to tilt to and from a vertical position in front of and spaced from the vertical plane of the axis of the traction wheels, load supporting means mounted upon and movable lengthwise of the mast, mast-supporting rollers mounted on the foot of said mast movable upon erection of said mast into engagement with the floor and operable in cooperation with the yieldable steering wheels to stabilize the truck during loading and unloading of the truck and during the transportation thereof, a platform yieldably mounted on said rear and intermediate girders, a power unit mounted thereon, and means respectively operable thereby to actuate said traction wheels, the means for the tilting of the mast and the load supporting means.

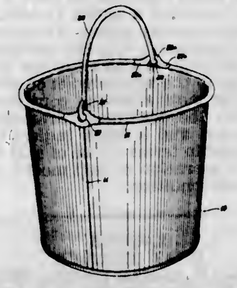
2,494,506
EXTENSIBLE IRONING BOARD
Delbert H. Clark, Grand Rapids, Mich.
Application October 13, 1947, Serial No. 779,503
2 Claims. (Cl. 38—103)

1. In a structure as described, two spaced horizontal parallel metal tracks having upper outer and lower inner flanges and a connecting web between the flanges, said upper flanges extending outwardly away from each other and said lower flanges extending toward each other, a horizontal board located over the tracks, means carried by the board operatively associated with said upper flanges for slidably mounting said board on the tracks, supporting legs for said tracks, a manually



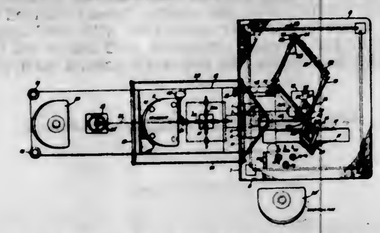
operable latching means movably mounted transversely of and at the under side of the board, the lower inner flange of one of said tracks having a plurality of spaced recesses therein and said latching means having a downwardly extending portion adapted to be received in any of such recesses to which the latching means is moved, and yielding means normally moving said latching means in a direction to engage in a recess when brought thereto.

2,494,507
REINFORCING EAR FOR HANDLE BAILS
Rowland G. Curtis, Dover, Ohio
Application November 18, 1948, Serial No. 60,643
8 Claims. (Cl. 220—91)



8. A bucket and the like having a rim bead at its upper edge, a bead wire in said rim bead, there being diametrically opposite seams in the bucket and cut-out portions in said bead, upwardly curved loops formed in said bead wire at said cut-out portions, a sheet metal ear connected to the bucket at each cut-out portion, an inturned flange on the lower edge of each ear fitting under the rim bead and having a notch therein to receive the seam, an inturned flange on the upper edge of each ear fitting over the top and inner side of the rim bead and over said loop, there being a central opening in each ear and an inturned peripheral flange surrounding said opening and located within said loop and cut-out portion, and a bail having its ends located through said openings.

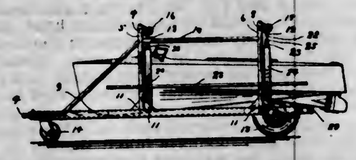
2,494,508
MEANS FOR AIRCRAFT FLIGHT TRAINING
Richard Carl Dehmel, Los Angeles, Calif.
Application June 18, 1941, Serial No. 398,590
45 Claims. (Cl. 35—10.2)



19. In an aircraft training apparatus for ground training for indicating and controlling one or more simulated flight conditions and indicating the path of simulated flight, the combination of an electro-mechanical translating system including a plurality of electrical circuits each having variable electrical means, certain of said electrical circuits being electro-mechanically interconnected for modifying current characteristics of one of said circuits, a plurality of simulated flight controls each operating one or more of said variable electrical means, means for indicating said path of flight including a plurality of electromotive means operatively connected to respective of said circuits, signal producing means for simulating signals of a radio range, and control means for said signals operatively responsive to said circuits in synchronism with the operation of said electro-motive means to thereby control said signals in accordance with the said indicated flight path.

39. Flight simulating apparatus for ground operation for indicating and controlling one or more simulated flight conditions comprising a plurality of simulated flight controls, an electro-mechanical network including a source of voltage, a plurality of potentiometer means connected to said source and responsive to said controls respectively for deriving voltages having parameters corresponding to the adjustments of said controls and reversible motive means controlled in accordance with the combined parameters of the derived voltages and a flight indicating instrument calibrated in terms of one of said conditions responsive to operation of said motive means for indicating said condition.

2,494,509
BOAT TRAILER
Stanley P. Gruska, Hibbing, Minn.
Application December 30, 1946, Serial No. 719,280
2 Claims. (Cl. 214—75)



1. A boat trailer comprising a wheel supported skeleton frame opening downwardly and rearwardly to receive a boat from that direction; said frame including spaced opposed side members bent adjacent the front thereof to form a pointed trailer hitch receiving front; two pairs of upright standards vertically fixed at their lower ends to said side members, one pair adjacent the rear end of said side members and one pair just rearwardly of said bent portion; a horizontal transverse bar fixed across the upper ends of each pair of said standards; a winding shaft rotatably carried by each of said transverse bars; and a boat carrying sling pendant from each of said shafts and vertically adjustable thereby.

2,494,510
POLYMERIZATION OF PROPYLENE IN THE PRESENCE OF ISOBUTANE
Everett C. Hughes, Cleveland Heights, and Harrison M. Stine, East Cleveland, Ohio, assignors, by mesne assignments, to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
No Drawing. Application September 20, 1946, Serial No. 698,394
3 Claims. (Cl. 260—683.15)

3. A process of polymerizing propylene to form normally liquid hydrocarbons useful as a motor fuel component, which comprises contacting propylene, in the presence of isobutane and substantially free of butylene, with a copper pyrophosphate polymerization catalyst at a temperature between about 350° and 500° F. and a pressure between about 200 and 1500 pounds per square inch to form normally liquid olefinic polymers as the primary reaction product of the propylene, said isobutane being substantially unreacted.

2,494,511
BASE BAG WITH COVER
Joseph Josselson, Carmody Hills, Md.
Application August 3, 1946, Serial No. 688,301
4 Claims. (Cl. 273—25)

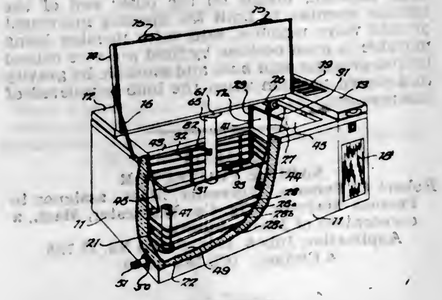


1. A base bag comprising a case having side walls, a top and a bottom each of which being of a double thickness of material, the said top having slots in the outer thickness of material adjacent the top edges of the case, straps extending through opposed slots and crossing between the thicknesses of material in the top of the case, said straps crossing on the outer thickness of said bottom.

2,494,512
MILK COOLER HAVING AUTOMATIC CONTROL MEANS
Clare H. Kafer and Howard D. White, Adrian, Mich., assignors to Revco, Inc., Deerfield, Mich.
Application June 11, 1946, Serial No. 675,943
12 Claims. (Cl. 62—7)

1. Cooling apparatus comprising a cabinet having a relatively fixed cover section and a removable lid, a refrigerating coil in the cabinet disposed around the walls thereof and in the lower portion of the cabinet, said coil terminating in a suction line loop positioned adjacent the upper

portion of the cabinet, inclined guard and skid plates positioned at the front portion of the cabinet over said suction line loop and having a flange portion disposed over the coil in the lower portion, an overflow drain pipe mounted in the cabinet and adapted to maintain a body of liquid



therein at about the level of said flange portion, thereby to submerge the coil except for said suction line loop, and a liquid circulating pump extending downwardly from said fixed cover section to nearly the bottom of the cabinet and adapted to circulate said liquid from the bottom along said submerged coil.

2,494,513
SURFACE TREATED ETHYLCELLULOSE ARTICLES AND PROCESS OF MAKING SAME
Earle L. Kropscott, Midland, and Paul H. Lipke, Midland County, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application August 27, 1947, Serial No. 770,950
4 Claims. (Cl. 117—145)

1. The process which comprises applying a liquid polymeric alkyl siloxane, containing an average of from 1.85 to 2.2 alkyl radicals per silicon atom, to a surface of a body formed from ethylcellulose containing cellulosic fibers as a filler and having exposed cellulosic fibers on said surface, to impart a lustrous and uniform appearance to said surface.

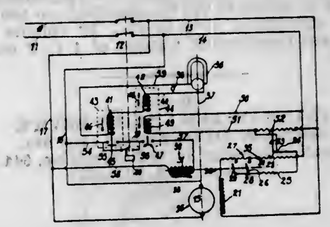
2,494,514
PRODUCTION OF THE AMYLASE OF BACILLUS MACERANS
Robert Winston Liggett and Wayne C. Mussulman, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application May 10, 1946, Serial No. 668,784
4 Claims. (Cl. 195—67)

1. In the production of amylase by culturing *Bacillus macerans* in nutrient media that support development of said amylase, the improvement which comprises incorporating in the nutrient media at least one member of the group consisting of a non-toxic ionizable ammonium salt and corn steepwater solids containing ammonium ions, the proportion of said incorporated material being such that it furnishes to the nutrient media a concentration of ammonium ions in the range of 0.01 to 1.5 per cent.

2,494,515
SUBSTITUTED ETHERS OF CYCLIC SULFONES
Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 4, 1946, Serial No. 667,484
14 Claims. (Cl. 260—329)

1. A compound containing a five-membered heterocyclic nucleus consisting of four nuclear carbon atoms and one sulfonyl radical wherein at least one of the nuclear carbon atoms is directly attached to an oxygen atom which is linked directly to a divalent alkylene radical, the remaining free bond of which is directly attached to a member of the divalent group consisting of the divalent sulfide, sulfoxyl, and sulfonyl radicals, which divalent member is directly attached to a monovalent hydrocarbon radical, the remaining free bonds of the nuclear carbon atom being directly attached to members of the group consisting of the hydrogen atom and the alkyl radicals.

2,494,516
ACCELERATION CONTROL FOR DIRECT-CURRENT MOTORS
Georges Gabriel Mouzanini, La Garenne Colombes, and Maurice Lebertre, Neuilly-sur-Seine, France
Application April 11, 1945, Serial No. 587,713
In France May 1, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 1, 1962
21 Claims. (Cl. 318—146)

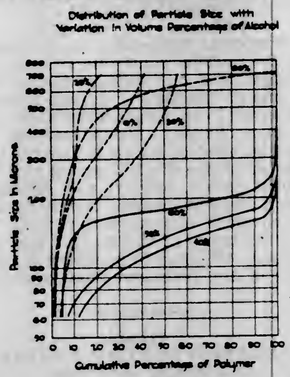


1. Apparatus for rapidly accelerating a direct current motor to a predetermined operating speed which comprises a field excitation winding in a circuit electrically connected to said motor and carrying a field excitation current determining the speed of said motor, control means electrically connected to said circuit for abruptly changing said field excitation current from a value corresponding to a high speed of said motor substantially in excess of said operating speed to a value corresponding to said operating speed, and regulating means operatively connected to said control means for operating said control means to change said excitation current from said high speed value to said operating speed value when said motor substantially reaches said operating speed, said regulating means being responsive to variations in the speed of said motor and being adjustable to be responsive also to a voltage in a predetermined relation to the voltage producing said field excitation current to determine said predetermined operating speed of said motor.

2,494,517
GRANULAR POLYMERIZATION OF VINYL CHLORIDE

Marguerite Naps, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 15, 1948, Serial No. 60,156
12 Claims. (Cl. 260—13)

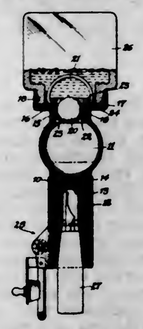


1. A process for producing granular polymer of vinyl chloride having substantially uniform particle size which comprises turbulently agitating and polymerizing dispersed liquid vinyl chloride in an aqueous alcohol medium at a temperature of 30° C. to 60° C., the reaction mixture containing in percentage by weight of the initial monomer: 0.1% to 3% of a peroxide polymerization catalyst soluble in liquid vinyl chloride, 0.02% to 0.4% of a methyl ether of a polysaccharide soluble in water at 20° C., and 200% to 500% of water containing 35% to 65% by volume of a saturated monohydric alcohol of 1 to 2 carbon atoms.

2,494,518
FOUNTAIN PEN FILLING DEVICE

George W. Oakes, Crystal City, Mo.

Application January 30, 1946, Serial No. 644,305
2 Claims. (Cl. 226—63)

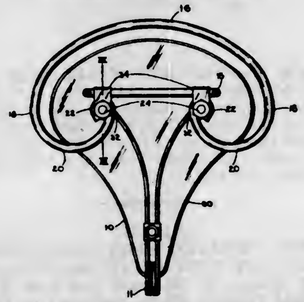


1. A device adapted to fill an article with fluid from a fluid container, said device consisting of a bulb having an inlet and an outlet, valve means communicating with said inlet for controlling the flow of fluid between the container and the bulb when the device is attached to the container, means surrounding said valve means for attaching the device to the container in communication with the valve means, and means connected with the outlet to receive in a fluid-tight manner the article to be filled, said valve means comprising a tubular member whose inner end communicates with said inlet, a seat on said tubular member interiorly thereof at its inner end, a valve member freely movable in the tubular member between a closed position on said seat and an open position, means on the outer end of the tubular member to limit the opening movement of said valve member, said valve member being movable to open position by fluid pressure caused by compressing said bulb and movable by gravity to a closed position when the bulb is relieved of compression.

2,494,519
SADDLE PROTECTOR

Robert C. Persons, Worcester, Mass., assignor to Persons-Majestic Mfg. Co., Worcester, Mass., a corporation of Massachusetts

Application July 8, 1948, Serial No. 37,726
4 Claims. (Cl. 155—5.10)

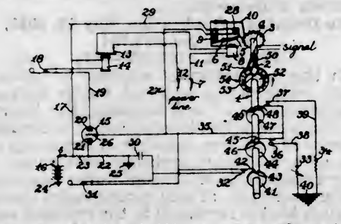


1. For use with a spring supported saddle for bicycles or the like having a pair of downwardly projecting spring attaching bolts at the rear portion thereof, a bumper for said saddle comprising a wire shaped to conform to the general contour of the saddle seat but spaced therefrom at the sides and rear, said bumper being downwardly and forwardly inclined at the sides thereof and having reversely curved inwardly and upwardly extending portions beneath the saddle secured at their ends to said spring attaching bolts.

2,494,520
ELECTRONIC TIMER

Theodore K. Riggen, Elmira, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware

Application October 14, 1946, Serial No. 703,221
11 Claims. (Cl. 175—320)

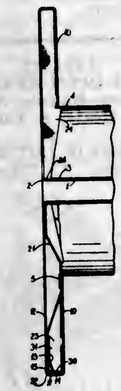


1. In an electronic timer a signal controlling device, actuating means therefor, means including a relay which when energized prevents the energization of the actuating means, and means for controlling the energization of the relay including an electrical circuit having a condenser and a resistor in series, means for charging the condenser and means whereby discharge of the condenser through the resistor causes deenergization of the relay.

2,494,521
CABLE REEL

Frederick R. Schaefer, Youngstown, and Ray W. Emery, Warren, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application September 15, 1945, Serial No. 616,498
10 Claims. (Cl. 242—77)



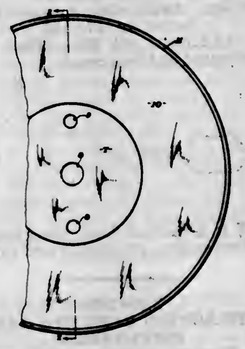
3. A metal reel comprising end assemblies and a hub bearing against said assemblies and having end projections extending thru said assemblies, each end assembly including a flat sheet metal ring having an outer peripheral flange and a disk consisting of a plurality of sector-shaped units, each of said units having a plane surface portion with a central depressed portion engaging said ring, an outer curved flange within the flange of said ring, and side flanges engaging the opposed surface of said ring and the inner and outer surfaces of said hub.

2,494,522
SHEET METAL REEL

Frederick R. Schaefer, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application July 13, 1946, Serial No. 683,479
5 Claims. (Cl. 242—123)

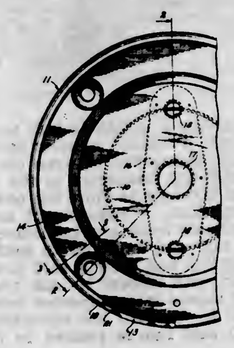
1. A heavy-duty, light-weight, sheet metal reel comprising a hub and ends, said hub including an elongated sheet metal cylinder, said ends each including a sheet metal ring seating on and secured to said hub near an end thereof and a sheet metal disk secured to the end of the hub, the outer portions of said ring and disk extending axially and transversely of the reel and being folded upon themselves to form a rim having at least four interlocked, concentrically arranged layers of sheet metal, the ring and disk being spaced apart from each other at the hub and being out of continuous circumferential contact with each other between the hub and the rim.



2,494,523
ROLLING RING FOR REELS

Frederick Rullmann Schaefer, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application September 23, 1947, Serial No. 775,613
8 Claims. (Cl. 242—123)



1. A heavy duty reel comprising a sheet metal hub, sheet metal heads spaced apart and secured to the hub, and rings secured to the heads and extending around the periphery of each head, said rings each comprising a rolled metal channel having flanges extending radially outwardly from its head to define an annular groove, and said heads overlapping and enclosing portions of said rings.

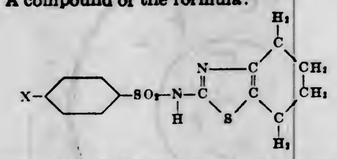
2,494,524

2-(BENZENE SULFONAMIDO)-TETRAHYDROBENZOTHIAZOLES

James M. Sprague, Drexel Hill, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application January 12, 1943, Serial No. 472,156
4 Claims. (Cl. 260—239.6)

1. A compound of the formula:



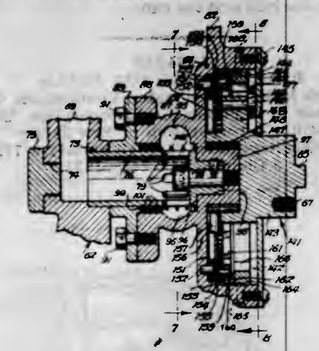
in which X is a radical from the group consisting of the free amino, acylamino and nitro groups.

2,494,525

POSITIVE ACTION REEL FOR GASOLINE DISPENSERS

Arthur B. Steuart, Salisbury, Md., assignor to Martin & Schwartz, Inc., Salisbury, Md., a corporation of Maryland

Application July 10, 1945, Serial No. 604,148
18 Claims. (Cl. 299—78)



1. A reel having a rotatable hub and a relatively fixed axle, a ratchet member having teeth and a pawl interconnected between the hub and axle, a movable link connected to the pawl and adapted when actuated to move the pawl successively into positions of engagement and disengagement with said teeth, gearing interconnected between the hub and axle and to said link for operating said link and thereby said pawl as said hub is rotated with respect to said axle in one direction and means interconnected between the hub and axle to forestall the operation of the gearing when said hub is rotated in the other direction.

2,494,526

TOWING DEVICE

George Tungett, Travis R. Helms, and Orval Morris, Grand Rapids, Mich., assignors to Helms Industrial Development Company, Grand Rapids, Mich., a corporation of Michigan

Application May 17, 1948, Serial No. 27,586
2 Claims. (Cl. 280—33.14)

1. In a structure as described, a pair of clamp members of flat metal each having two end sections adapted to be located substantially parallel to each other and one over the other, and said clamp members having diverging sections extending from said end sections terminating in hook portions extending toward each other, each of said end sections having two spaced openings in the length thereof, said openings in the two end sections being in conjunction with



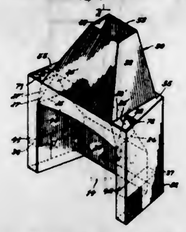
each other, a cable having an end portion extending through said openings in the end sections nearest the ends thereof, thence through the other openings therein, and a stop member connected at the end of the cable to bear against a clamp member adjacent the inner end of the inner opening therein.

2,494,527

SHEET METAL OPEN-HEARTH HEATER

Herbert H. Walters, Buffalo, N. Y., assignor to Price Fireplace Heater & Tank Corp., Buffalo, N. Y.

Application January 16, 1947, Serial No. 722,397
4 Claims. (Cl. 126—121)



1. In an open-hearth radiation and convection heater having a firebox, a surrounding jacket forming an air heating chamber, and a top plate closing the top of said chamber except the forward side portions thereof which provide exits for the heated air: outwardly diverging side walls for said firebox, the upper part of each of the side walls having two triangular portions each being in a different plane to make the top edges thereof parallel; and a hood in the shape of a truncated pyramid with rectangular base and top openings, the top edges of the side walls being contiguous with two base edges of the hood; whereby a smooth direct channel is provided for the flow of hot gases from the firebox to the top of the hood and a smooth direct channel is provided for the outward flow of heated air from the chamber.

2,494,528

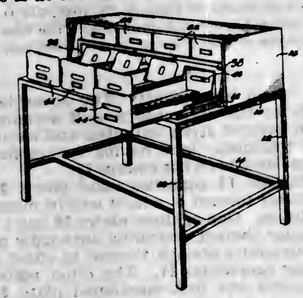
FILE CABINET

John A. Winskowicz, Danvers, Mass., assignor to Craig Machine, Inc., Danvers, Mass., a corporation of Massachusetts

Application June 1, 1946, Serial No. 673,822
4 Claims. (Cl. 45—2)

1. A file cabinet comprising a support, a cabinet mounted on said support, a plurality of drawers mounted to slide on said support in and out of said cabinet, a plurality of trays, a carriage overhanging said drawers and mounted on said support for movement in and out of said

cabinet, the said carriage supporting the said trays and so constructed and arranged as to leave free access to the said drawers when the said carriage is at the limit of its movement inwards,



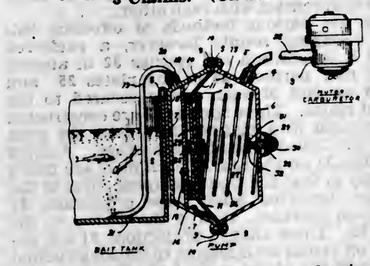
a housing slidably mounted above said carriage and on said support for movement in and out of said cabinet, and a pivotally mounted cover secured to said housing.

2,494,529

VACUUM RUPTURE OPERATED PUMP

Axel M. Wirtanen, Eveleth, Minn.

Application February 23, 1945, Serial No. 579,347
3 Claims. (Cl. 230—52)



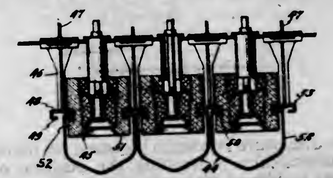
1. In a vacuum operated pump having a casing, a reciprocable diaphragm dividing said casing into a power chamber and a pumping chamber, said pumping chamber having a valved air intake port and a valved air outlet port, means for operating said pump comprising: means biasing said diaphragm to normal position where said pumping chamber is in reduced condition, a connection having an opening to said power chamber to which a vacuum source is attached to exhaust air from said power chamber whereby said diaphragm moves against said biasing means and air enters said pumping chamber through said air intake port and enlarges said pumping chamber, said power chamber having a second opening therethrough of greater size than first said opening, and a rupture valve for said second opening which is controlled by said diaphragm to open as the latter reaches a predetermined position and overcome said vacuum source whereby said biasing means forces said diaphragm back to normal position closing said rupture valve and forcing air out of said pumping chamber through said outlet port.

2,494,530

GAS-FIRED MUFFLE FURNACE

Malcolm H. Tuttle, New Rochelle, N. Y.

Application March 16, 1946, Serial No. 654,932
3 Claims. (Cl. 263—42)

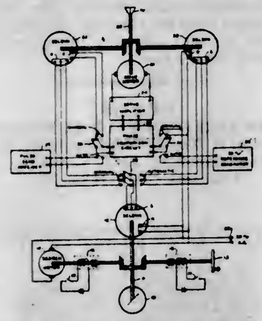


1. A muffle furnace comprising an oven and a battery of radiators covering substantially all of the top of the oven and adapted to direct heat downwardly into said oven, each of said radiators having a combustion space, a row of gas burners communicating with the combustion space and having slotted sides, a removable trough-shaped shield partitioning the combustion space from the oven and having flanges extending inwardly from its sides adapted to fit in the slots in said burners, and detachable hangers suspending said burners from the top of the furnace so that any one of them may be removed independently of the others.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

594,269. ELECTRICAL REGULATOR. Hurach B. Abajian, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed May 17, 1945. Published Jan. 10, 1950. Class 343—117. One sheet of drawings.



This disclosure relates to a system for manually or automatically controlling the position of an antenna employed with pulse-echo object locator.

For automatic operation, ganged switches **29**, **30**, **31** are thrown to "automatic" position. A 30 cycle "error" signal developed in pulse echo receiver **27** is compared in phase comparison circuit **25** with a 30 cycle reference from generator **28**, and any phase difference is caused to rotate drive motor **21** through servo amplifier **24** to orient antenna **19** toward the target. The Selsyn transmitter **22** and receiver **12** will cause indicator **10** to show the direction of the antenna **19**.

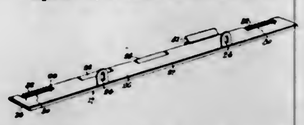
For manual operation ganged switches **29**, **30**, **31** are moved to "manual" position and a 60 cycle reference signal **26** is compared in phase in circuit **25** with a 60 cycle "error" signal set in at switch **30** by Selsyn **23** under the control of Selsyn **12** and handwheel **13**.

For continuous searching operation search motor **14** is connected to shaft **11** by clutch **16**.

Identical systems may be used to align the antenna axis in azimuth and elevation.

596,717. MEANS FOR ATTACHING PRINTING PLATES TO DRUMS. James Finno, Brooklyn, N. Y. Filed May 30, 1945. Published Jan. 10, 1950. Class 101—415.1. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)



This application relates to the construction of a clamp for securing a flexible sheet to a lithographic printing press drum which has a segmentary wall supported on end wall members secured to an axial shaft. The space between the ends of the segmentary wall accommodate a pair of pivoted screw actuated and axially adjustable tensioning bars having spaced hooks to receive the eyelets on the clamps **17**.

The clamps **17** comprise rigid plates **25** and **26** preferably formed of a light weight metal such as aluminum. One of these plates **25** has a longitudinal edge thereof extending outwardly normal to the remaining portion thereof to effect a perpendicular projection **27**. The other plate **26** is fitted against the first-mentioned plate **25** and adjacent the projection **27** thereon. This second-mentioned plate **26** has the eyelets **24** positioned thereon normal to the surface thereof and arranged to receive the hooks on the tensioning bars. The rear edge of the plates **25** and **26** has portions thereof cut out to provide projections which are turned into cylinders **28** receiving a pivot pin **29** to pivotally secure the two plates together. These cylinders **28** are flattened on the side to be flush with the plane of the plate surfaces. Spring means are provided to force the plates in contact with each other.

There are various methods of effecting this spring clamping result; however, a preferred method is to position coil springs **32** in aligned cut out rear portions **30** of the plates **25** and **26** with an end of each spring secured to the different plates. These springs **32** are constructed and arranged in a manner such that the ends thereof are urged towards each other. Aligned projections **31** on the rear of each plate are flared outwardly so that the front clamping edges of the plate are separated when these projections **31** are pressed together, against the action of the springs **32**. These aligned projections **31** are positioned off center with respect to the longitudinal midpoint of the plates so that the flared portion will not contact any of the tensioning screws for actuating the tensioning bars.

638,925. CONDENSATION PRODUCTS OF CONDENSED RING ACIDS. Fred Linsker, New York, N. Y., assignor to Ralph L. Evans, Bay Shore, N. Y. Filed Jan. 3, 1946. Published Jan. 10, 1950. Class 260—75. No drawing.

This application discloses processes of preparing poly condensation products of methylene-bis-2-hydroxy-3-naphthoic acid.

Methylene-bis-2-hydroxy-3-naphthoic acid is suitable for the production of polyamides, polyesters and polyesteramides as it is compatible with a large variety of modifying agents which may be introduced into the final product. This facilitates control of the physical properties of the resin. Because of the acid's high molecular weight, the final product has greater chemical stability, and this also facilitates control of the reaction.

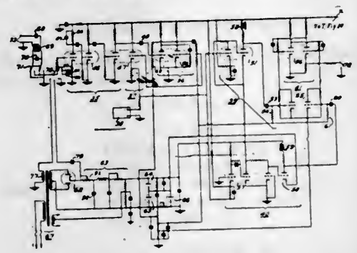
Polyesters of methylene-bis-2-hydroxy-3-naphthoic acid are formed by heating it with polyhydric alcohols, with or without modifying agents, to a temperature between 180° C. and 265° C. until a uniform liquid mass is obtained which upon cooling, forms a resin of desired hardness. Polyamides and polyesteramides are formed by similar processes.

A working example is:—

4.65 Gm. (1/80 mole) methylene-bis-hydroxy-naphthoic acid and 0.78 Gm. (1/80 mole) ethylene glycol are thoroughly mixed and the mixture is heated to 200°–250° C. until foaming has ceased. A sample solidifies on cooling to yield a hard fusible resinous solid.

Modified polyesters may be made by including fatty oil acids such as linoleic acid or recinoleic acid. Pentaerythritol may be used as the polyhydric alcohol. Polyamides may be prepared by heating the acid with diamines such as ethylene diamine and polyesteramides are formed by heating the acid with compounds such as ethanolamine.

668,301. MEASURING SYSTEM. Edward W. Yetter, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania. Filed May 8, 1946. Published Jan. 10, 1950. Class 175—368. Five sheets of drawings.



The application disclosure describes a frequency meter wherein signals of unknown frequency, or calibrating signals of known frequency, are amplified and clipped by amplifier **35** to generate square waves which are applied to a differentiating network consisting of capacitor **48** and resistor **49**. The derived pulses of positive polarity actuate a "one-shot" multivibrator **50** whose output is applied to a delay line **38** through cathode follower **37**. These positive pulses and the reflected negative pulses from the delay line **38** are respectively applied to amplifier **39** and phase-inverting amplifier **40**.

The two series of resulting positive pulses with time spacing determined by the time delay of line **38** are selectively applied to the grids of the buffer tube **55**. This tube controls the output of tube **56** thereby generating in its cathode circuit current pulses of fixed width and height and of repetition rate determined by the signal frequency. A direct current voltage proportional to signal frequency and independent of signal amplitude or waveform may be had by use of a suitable filter circuit connected to the output of tube **56**.

706,500. ALUMINUM-ALLOY PAINTS. Lloyd R. Michels, Fords, N. J., assignor to the United States of America as represented by the Secretary of the Interior. Filed Oct. 29, 1946. Published Jan. 10, 1950. Class 106—290. No drawing.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

This application discloses the use of powdered aluminum alloys as pigments. Suitable alloys include binary, tertiary and quaternary alloys of aluminum, containing major and minor amounts of magnesium, zinc, and beryllium. The preferred alloy is one comprising approximately 50% aluminum and 50% magnesium. The alloys used in preparing the paint pigment powders are characterized by being sufficiently brittle to pulverize easily on impact and by being relatively stable to corrosion.

The pigment powders are prepared by pulverizing the alloys in any suitable manner, such as by stamping, ball milling or hammer milling. The major portion of the alloy is reduced to a particle size of less than 200 mesh, and combined with a suitable vehicle to provide an aluminum-alloy paint composition.

752,834. ESTER AND METHOD OF MAKING SAME. Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Filed June 5, 1947. Published Jan. 10, 1950. Class 260—78.4. No drawing.

This application discloses the preparation and polymerization of diallyl 4,5-dichlorophthalate. This ester is a non-flammable liquid which boils at 140–142° C/1 mm., and is suitable as a flameproofing and plasticizing agent for high molecular weight material, such as cellulose and its derivatives, rubber, and other polymeric substances. It is prepared by heating allyl alcohol and 4,5 dichlorophthalic acid or anhydride at reflux temperatures in a molar ratio of at least 2:1, preferably not substantially exceeding 4:1, in the presence of esterification catalysts such as organic sulfonic acids, e. g., p-toluene sulfonic acid, preferably in a neutral solvent; e. g., benzene, the latter forming a distillable azeotropic mixture with the water which is produced in the esterification reaction.

The monomeric diallyl 4,5-dichlorophthalate may be polymerized or copolymerized with suitable olefinic compounds, such as diethyl fumarate, methyl acrylate, and methyl methacrylate in the presence of peroxide catalysts to yield a soluble fusible polymer which may be polymerized further to an insoluble, substantially infusible stage by further heating. Materials such as textiles, leather, wood, and plastics can be coated, impregnated, and laminated with the monomer or with a solution of the partial polymer. After heat curing, the treated articles display markedly improved resistance to burning and to the disintegrating action of solvents. Compositions containing diallyl 4,5 dichlorophthalate display superior resistance to discoloration and decomposition, as well as to the decrease in flame-resistance and optical clarity on aging.

A working example is as follows:

A mixture of 60 parts of 4,5-dichlorophthalic acid, 60 parts of allyl alcohol, 3 parts of p-toluene-sulfonic acid tetrahydrate and 425 parts of benzene is heated at reflux for 40 hours. At the end of this time the reaction is essentially complete.

The reaction mixture is cooled to 10° C. and washed with 250-part portions of cold water. The organic material is then washed with 100 parts of cold 10% sodium carbonate solution and finally with three portions (250 parts each) of cold water. After drying the organic material over anhydrous calcium sulfate for 2 hours, the benzene is removed by distillation at atmospheric pressure. Distillation of the liquid residue at 1 mm. under a nitrogen atmosphere yields a liquid boiling in the range of 138–148° C. which upon redistribution yields 68 parts of a clear liquid boiling at 140–142° C. at 1 mm. pressure.

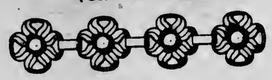
A mixture of 15.75 parts of this liquid and 0.24 part of benzoyl peroxide is heated at 60° C. for 24 hours at the end of which time polymerization has proceeded to the point of incipient gelation. The polymerization is halted by cooling and the reaction mixture is poured into n-hexane. The precipitated polymer is further purified by solution in acetone and reprecipitation with n-hexane, and after drying in vacuo to constant weight 4.13 parts of white polymeric solid are obtained.

A sample of the polymer is heated in a cylindrical mold at 120° C. and is converted to a hard acetone-insoluble casting.

DESIGNS

JANUARY 10, 1950

156,802
ORNAMENTAL CHAIN
Gottlob Armbrust, Providence, R. I.
Application August 4, 1949, Serial No. 4,301
Term of patent 3½ years
(Cl. D45—16)





The ornamental design for an ornamental chain, substantially as shown.

156,803
CREAM PITCHER
Jack Badash, Brooklyn, N. Y.
Application June 19, 1948, Serial No. 147,092
Term of patent 3½ years
(Cl. D44—21)





The ornamental design for a cream pitcher, substantially as shown.

156,804
JEWELRY CHAIN
Paul Bardach, Providence, R. I.
Application July 20, 1949, Serial No. 4,008
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a jewelry chain, substantially as shown.

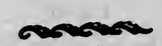
156,805
JEWELRY CHAIN
Paul Bardach, Providence, R. I.
Application July 20, 1949, Serial No. 4,009
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a jewelry chain, substantially as shown.

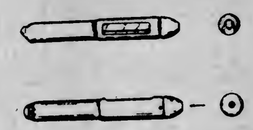
156,806
JEWELRY CHAIN
Paul Bardach, Providence, R. I.
Application July 20, 1949, Serial No. 4,011
Term of patent 3½ years
(Cl. D45—16)





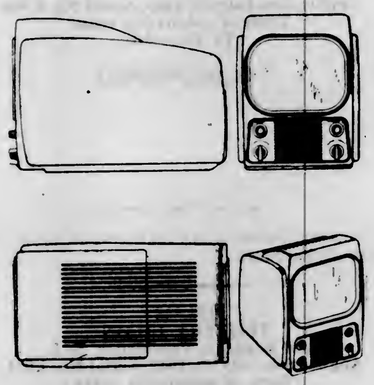
The ornamental design for a jewelry chain, substantially as shown.

156,807
TIRE PRESSURE GAUGE
Denis James Battersby, West Wittering, England
Application August 18, 1948, Serial No. 148,178
In Great Britain February 19, 1948
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a tire pressure gauge, as shown.

156,808
TELEVISION RECEIVER
George Beck, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application December 22, 1948, Serial No. 150,323
Term of patent 7 years
(Cl. D56—4)



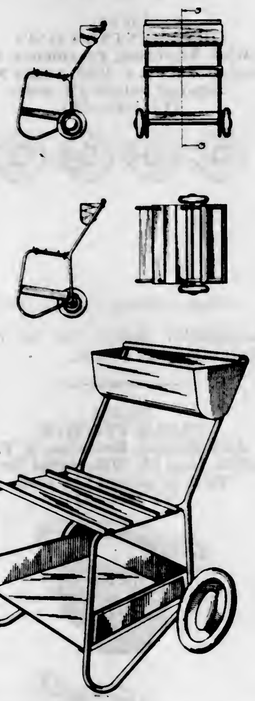
The ornamental design for a television receiver, as shown.

156,809
DRESS
Main Rousseau Bocher, New York, N. Y., assignor to Passavant Memorial Hospital, Chicago, Ill., a nonprofit corporation of Illinois
Application July 28, 1949, Serial No. 4,185
Term of patent 3½ years
(Cl. D3—26)



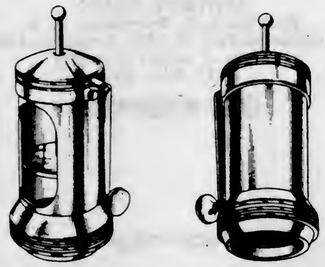
The ornamental design for a dress, substantially as shown.

156,810
UTILITY CART
Robert L. Brownlee, Bokena, Ill.
Application January 4, 1949, Serial No. 59
Term of patent 3½ years
(Cl. D14—3)



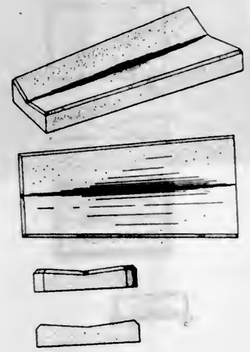
The ornamental design for a utility cart, as shown.

156,811
POTATO SLICER
Richard R. Butherus, Walla Walla, Wash., assignor of fifty per cent to Arthur Fazzari, Walla Walla, Wash.
Application August 19, 1948, Serial No. 148,187
Term of patent 3½ years
(Cl. D89—1)



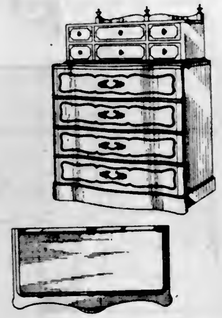
The ornamental design for a potato slicer, as shown.

156,812
SPLASH BLOCK
Robert F. Buchanan, Denver, Colo.
Application July 9, 1948, Serial No. 147,469
Term of patent 14 years
(Cl. D18—2)



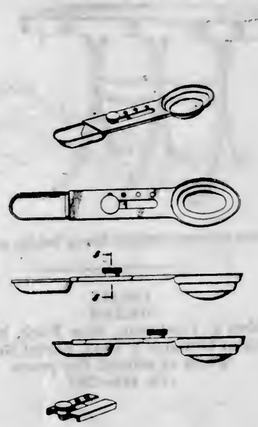
The ornamental design for a splash block, as shown.

156,813
COMMODE
Anthony J. Buckner, Jackson Heights, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application December 24, 1947, Serial No. 143,328
Term of patent 7 years
(Cl. D33—6)



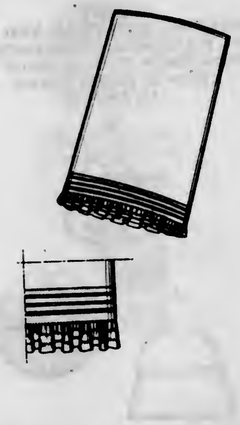
The ornamental design for a commode, substantially as shown.

156,814
ADJUSTABLE MEASURING SPOON
Frank R. Chester, Santa Monica, Calif.
Application October 16, 1947, Serial No. 141,943
Term of patent 7 years
(Cl. D44—29)



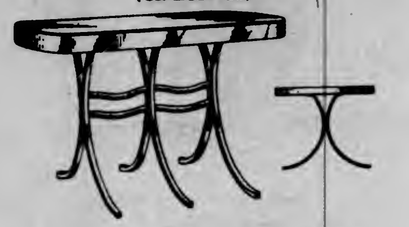
The ornamental design for an adjustable measuring spoon, substantially as shown.

156,815
PILLOWCASE OR SIMILAR ARTICLE
Edwin I. Cohen, New York, N. Y.
Application December 29, 1948, Serial No. 150,421
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a pillowcase or similar article, substantially as shown and described.

156,816
TABLE
Marion R. Cohen, Chicago, Ill.
Application December 31, 1948, Serial No. 150,485
Term of patent 14 years
(Cl. D32—14)



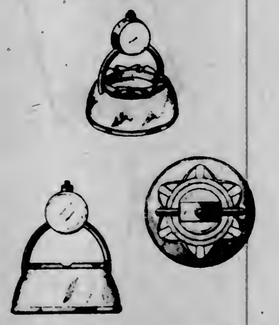
The ornamental design for a table, as shown.

156,817
DRESS
Helen C. Cookman, New York, N. Y.
Application October 1, 1948, Serial No. 148,897
Term of patent 3½ years
(Cl. D3—26)



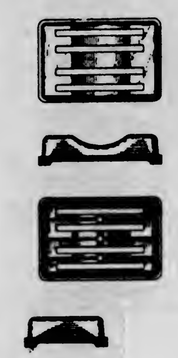
The ornamental design for a dress, as shown.

156,818
COMBINATION ASH TRAY AND SIGNAL
Richard T. Cornelius, Minneapolis, Minn.
Application March 19, 1949, Serial No. 1,488
Term of patent 7 years
(Cl. D85—2)



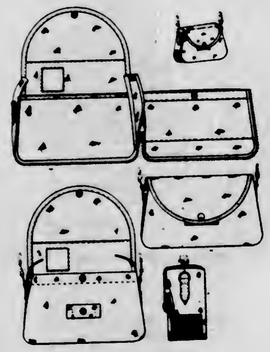
The ornamental design for a combination ash tray and signal, as shown.

156,819
COASTER RACK
Frank J. Curran, Downers Grove, Ill.
Application October 9, 1948, Serial No. 149,060
Term of patent 14 years
(Cl. D44—24)



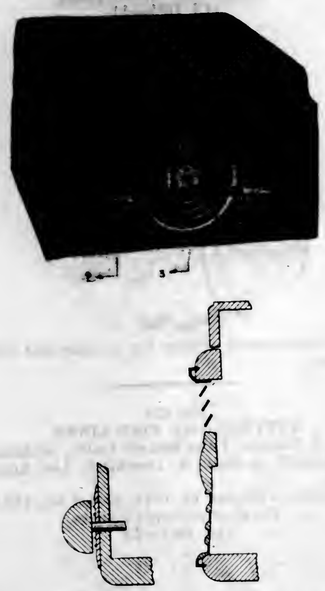
The ornamental design for a coaster rack, as shown.

156,820
CREEL FOR ANGLERS
Howard L. Domina, Toronto, Ontario, Canada
Application February 7, 1949, Serial No. 731
Term of patent 3½ years
(Cl. D31—4)



The ornamental design for a creel for anglers, as shown and described.

156,821
RADIO CABINET
Kurt Emde, Itasca, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application January 16, 1948, Serial No. 143,839
Term of patent 7 years
(Cl. D56—4)



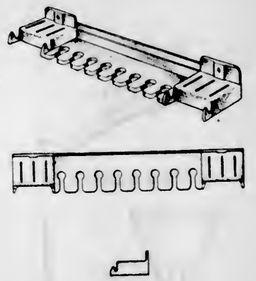
The ornamental design for a radio cabinet, as shown and described.

156,822
DINNER PLATE OR SIMILAR ARTICLE
Richard H. Garvin, Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application November 16, 1948, Serial No. 149,660
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

156,823
KITCHEN UTENSIL RACK
Bernard Raphael Glukes, North Hollywood, Calif.
Application September 16, 1948, Serial No. 148,598
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a kitchen utensil rack, as shown.

156,824
BOOK END OR SIMILAR ARTICLE
David Greberman, Philadelphia, Pa.
Application November 27, 1946, Serial No. 135,126
Term of patent 3½ years
(Cl. D33—1)



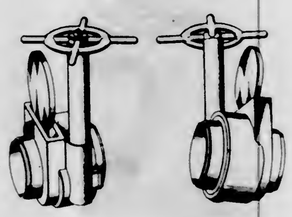
The ornamental design for a book end or similar article, substantially as shown.

156,825
SCRAPER FOR WINDSHIELDS OR THE LIKE
George H. Hake, Depew, N. Y., assignor to Hake Manufacturing Co., Inc., Depew, N. Y., a corporation of New York
Application December 31, 1948, Serial No. 150,488
Term of patent 14 years
(Cl. D9—8)



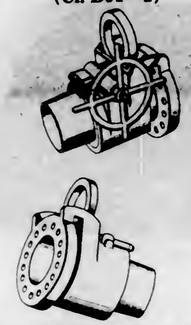
The ornamental design for a scraper for windshields or the like, substantially as shown.

156,826
FLOW CONTROL FITTING
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application April 10, 1948, Serial No. 145,642
Term of patent 14 years
(Cl. D91—1)



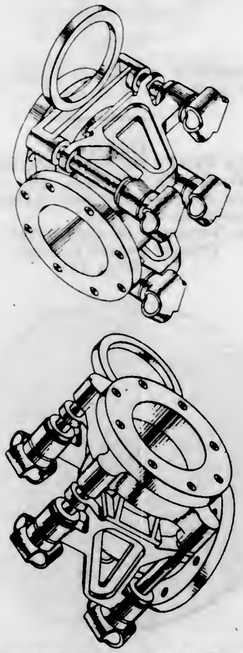
The ornamental design for a flow control fitting, as shown.

156,827
PIPE-LINE FITTING
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application April 10, 1948, Serial No. 145,643
Term of patent 14 years
(Cl. D91—1)



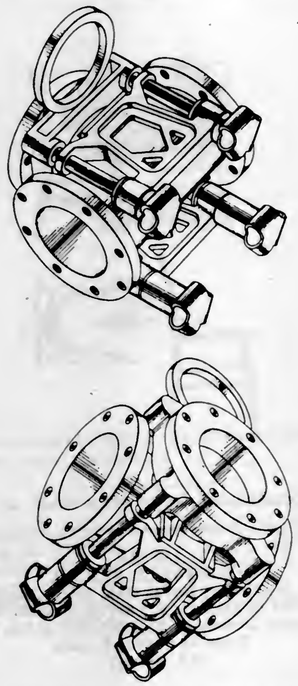
The ornamental design for a pipe-line fitting, as shown.

156,828
FITTING FOR PIPE LINES
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application October 18, 1948, Serial No. 149,153
Term of patent 14 years
(Cl. D91—1)



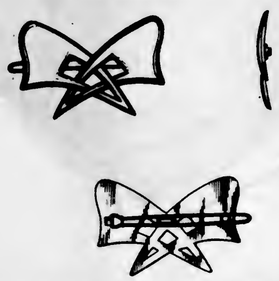
The ornamental design for a fitting for pipe lines, as shown.

156,829
PIPE LINE FITTING
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application October 18, 1948, Serial No. 149,154
Term of patent 14 years
(Cl. D91—1)



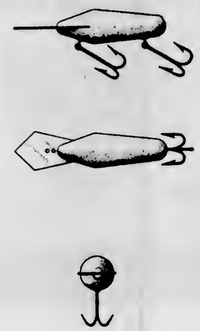
The ornamental design for a pipe line fitting, as shown.

156,830
BARRETTE
Arthur M. Herschensohn, New York, N. Y.
Application March 1, 1949, Serial No. 1,143
Term of patent 3½ years
(Cl. D86—10)



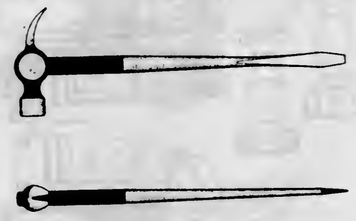
The ornamental design for a barrette, substantially as shown.

156,831
FISHING LURE
Semion F. Huneycutt, Cleburne, Tex.
Application December 24, 1947, Serial No. 143,311
Term of patent 7 years
(Cl. D31—4)



The ornamental design for a fishing lure, substantially as shown.

156,832
COMBINATION CLAW HAMMER AND SCREW DRIVER
Henry Jackson, New Comerstown, Ohio, assignor to Heller Brothers Company, Newark, N. J., a corporation of New Jersey
Application December 15, 1948, Serial No. 150,169
Term of patent 3½ years
(Cl. D93—4)



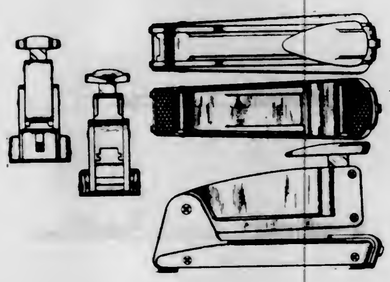
The ornamental design for a combination claw hammer and screw driver, as shown.

156,833
ANIMAL PROD
John Juergens, McHenry, Ill., assignor to Leterstone Sales Co., a corporation of Illinois
Application October 29, 1948, Serial No. 149,373
Term of patent 14 years
(Cl. D12—2)



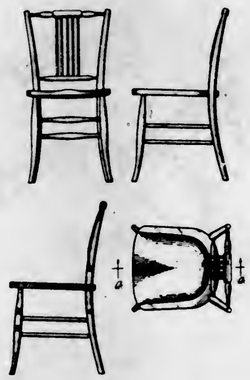
The ornamental design for an animal prod, as shown.

156,834
STAPLING MACHINE
Herbert W. Marano, Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill., a corporation of Massachusetts
Application June 15, 1949, Serial No. 3,301
Term of patent 14 years
(Cl. D74—1)



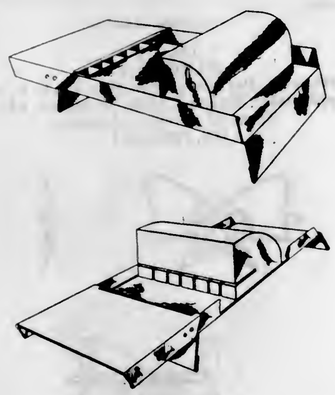
The ornamental design for a stapling machine, as shown.

156,835
CHAIR
Harry T. McNeill, Sheboygan, Wis., assignor to Sheboygan Chair Company, Inc., Sheboygan, Wis., a corporation of Delaware
Application December 29, 1948, Serial No. 150,436
Term of patent 14 years
(Cl. D15—1)



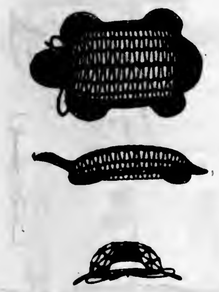
The ornamental design for a chair, as shown.

156,836
VEGETABLE SLICER
Paul R. McVicker, Royal Oak, Mich., assignor of one-half to Emmett J. Carroll, Detroit, Mich.
Application December 22, 1947, Serial No. 143,288
Term of patent 7 years
(Cl. D89—1)



The ornamental design for a vegetable slicer, as shown and described.

156,837
OPENWORK FABRIC SOAP CONTAINER
Raymond H. M. Orr, New York, N. Y.
Application August 10, 1948, Serial No. 148,040
Term of patent 7 years
(Cl. D4—3)



The ornamental design for an openwork fabric soap container, as shown.

156,838
DINNER PLATE OR SIMILAR ARTICLE
Edward M. Otis, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application November 16, 1948, Serial No. 149,670
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

156,839
TABLECLOTH OR THE LIKE
Frederick Pilits, West Hempstead, N. Y.
Application July 15, 1948, Serial No. 147,581
Term of patent 3½ years
(Cl. D92—26)



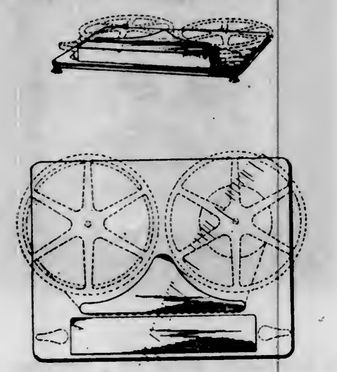
The ornamental design for a tablecloth or the like, as shown.

156,840
COMBINATION COASTER AND ASH TRAY OR SIMILAR ARTICLE
Clifford Potts, Zanesville, Ohio, assignor to Louis A. Butler and Arvilla K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio
Application May 28, 1949, Serial No. 2,891
Term of patent 3½ years
(Cl. D85—2)



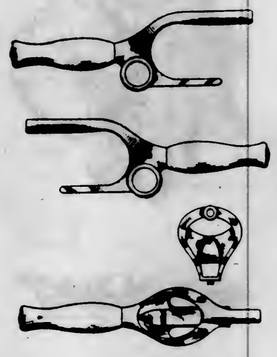
The ornamental design for a combination coaster and ash tray or similar article, substantially as shown.

156,841
COMBINED HOUSING AND MOUNTING FOR MAGNETIC TAPE RECORD HANDLING APPARATUS
Frank J. Reed, Philadelphia, and Lloyd J. Bobb, Glenside, Pa., assignors to The International Electronics Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 29, 1948, Serial No. 147,834
Term of patent 14 years
(Cl. D26—14)



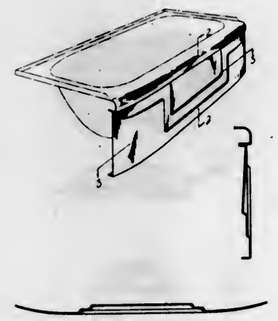
The ornamental design for a combined housing and mounting for magnetic tape record handling apparatus, as shown and described.

156,842
COMBINED FISHING ROD HANDLE AND REEL MOUNT
Walter L. Rives, Jacksonville, Fla.
Application March 26, 1948, Serial No. 145,367
Term of patent 14 years
(Cl. D31—4)



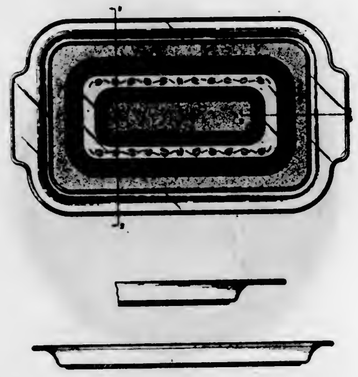
The ornamental design for a combined fishing rod handle and reel mount, as shown.

156,843
BATHTUB
Clarence J. Rodman, Alliance, Ohio
Application June 7, 1948, Serial No. 146,793
Term of patent 14 years
(Cl. D4—4)



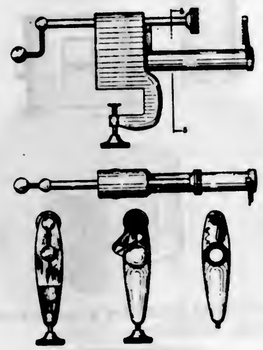
The ornamental design for a bathtub, as shown and described.

156,844
SERVING TRAY OR SIMILAR ARTICLE
Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products Inc., Columbus, Ohio, a corporation of Ohio
Application June 26, 1948, Serial No. 147,225
Term of patent 14 years
(Cl. D44—10)



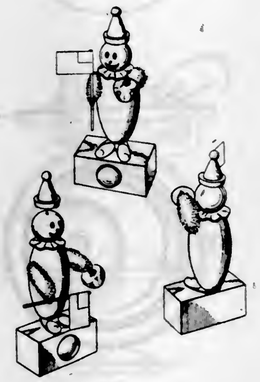
The ornamental design for a serving tray or similar article, substantially as shown.

156,845
FRUIT AND VEGETABLE SLICER
Mark Ross, Los Angeles, Calif.
Application September 18, 1948, Serial No. 148,650
Term of patent 7 years
(Cl. D89—1)



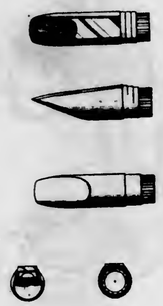
The ornamental design for a fruit and vegetable slicer, substantially as shown.

156,846
CLOWN FIGURE TOY
Calvin Rouse, Jamaica, N. Y.
Application August 11, 1947, Serial No. 140,821
Term of patent 3½ years
(Cl. D34—15)



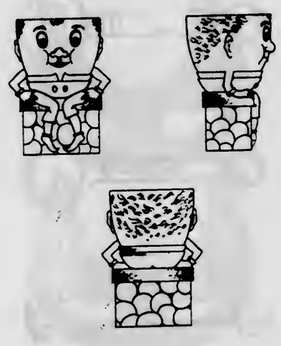
The ornamental design for a clown figure toy, substantially as shown.

156,847
MOUTHPIECE FOR WIND INSTRUMENTS
Clinton A. Runyon, Jr., Chicago, Ill.
Application September 4, 1948, Serial No. 148,486
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a mouthpiece for wind instruments, substantially as shown.

156,848
EGG CUP
Emilia V. Salg, Chicago, Ill.
Application August 18, 1948, Serial No. 148,160
Term of patent 7 years
(Cl. D44—9)



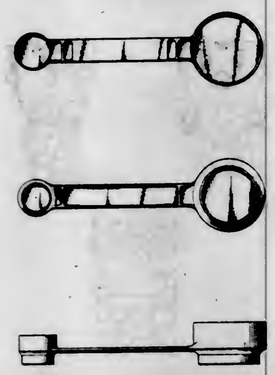
The ornamental design for an egg cup, as shown.

156,849
TOY KITTEN
Florence Jean Schippert, Philadelphia, Pa.
Application March 31, 1949, Serial No. 1,725
Term of patent 14 years
(Cl. D34—2)



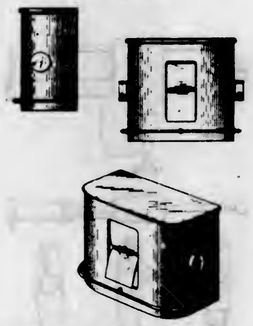
The ornamental design for a toy kitten, as shown.

156,850
MEASURING SPOON
Granville H. Shirley, Cleveland, Ohio, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio, a corporation of Ohio
Application August 13, 1948, Serial No. 148,099
Term of patent 14 years
(Cl. D44—29)



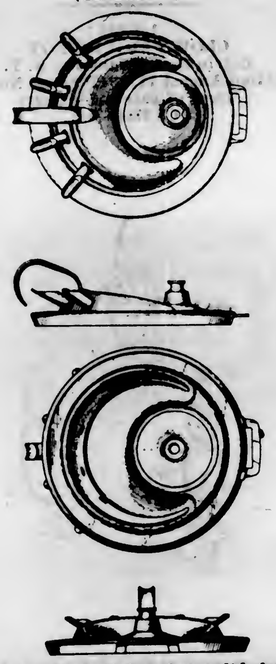
The ornamental design for a measuring spoon, substantially as shown.

156,851
RECIPE CONTAINER OR SIMILAR ARTICLE
Robert Simons, Los Angeles, Calif., assignor to Shelly, Inc., Los Angeles, Calif., a corporation of California
Application August 27, 1946, Serial No. 132,880
Term of patent 3½ years
(Cl. D44—24)



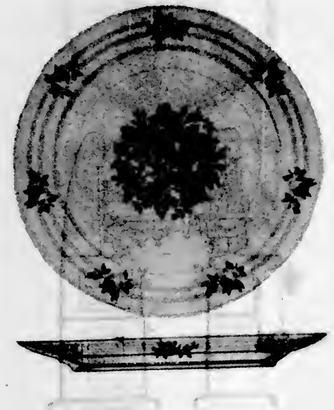
The ornamental design for a recipe container or similar article, as shown.

156,852
LID FOR A SUSPENDED MILKER
Chester A. Thomas, Lake Forest, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application May 20, 1948, Serial No. 146,495
Term of patent 14 years
(Cl. D23—1)



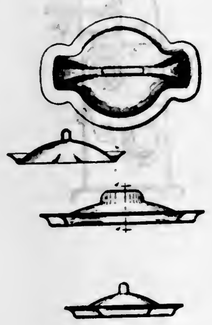
The ornamental design for a lid for a suspended milker, as shown and described.

156,853
PLATE OR SIMILAR ARTICLE
Lloyd I. Tucker, Glendale, Calif., assignor to Santa Anita Potteries, Los Angeles, Calif., a corporation of California
Application April 5, 1947, Serial No. 138,175
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate or similar article, as shown.

156,854
COVER FOR A VESSEL
Earl S. Tupper, Upton, Mass.
Application October 5, 1946, Serial No. 133,770
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a cover for a vessel, as shown.

156,855
SUGAR BOWL
Earl S. Tupper, Upton, Mass.
Application October 5, 1946, Serial No. 133,773
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a sugar bowl, as shown.

156,856
RUBBER ROCKING TOY
Arthur Oscar Walker, Harrow, England, assignor to Playlastic Toy Company Limited, London, England, a British company
Application October 20, 1948, Serial No. 149,211
In Great Britain April 20, 1948
Term of patent 7 years
(Cl. D34—16)



The ornamental design for a rubber rocking toy, as shown.

156,857
CHAIR OR SIMILAR ARTICLE
Donald A. Wallance, New York, N. Y.
Application August 15, 1946, Serial No. 132,545
Term of patent 3½ years
(Cl. D15—1)



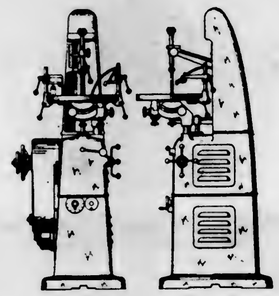
The ornamental design for a chair or similar article, as shown.

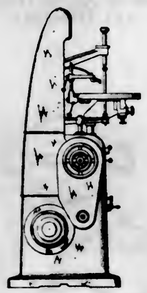
156,858
LIGHT MEASURING INSTRUMENT HOUSING
Willard Warren, Brooklyn, N. Y., assignor to Joseph Warren, Long Island City, N. Y.
Application February 9, 1948, Serial No. 144,382
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a light measuring instrument housing, as shown and described.

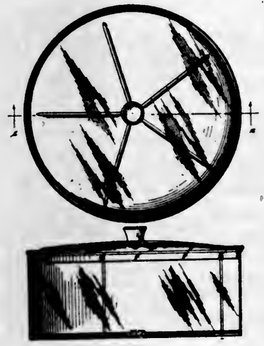
156,859
FILING MACHINE OR THE LIKE
Daniel J. Williams, Fairfield, Conn., assignor to Connecticut Tool & Engineering Company, Bridgeport, Conn., a corporation of Connecticut
Application September 3, 1948, Serial No. 148,448
Term of patent 14 years
(Cl. D37—1)



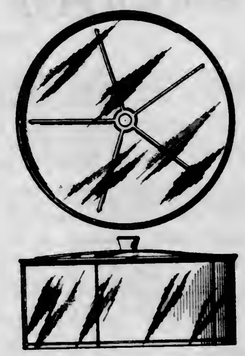


The ornamental design for a filing machine or the like, as shown.

156,860
CONTAINER
Herman Samuel Zalkaner, New York, N. Y.
Application February 24, 1948, Serial No. 144,689
Term of patent 7 years
(Cl. D44—1)



156,860—Continued



The ornamental design for a container, as shown.





LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbey International: *See*—
Sanders, Arthur W.

Adams Packing Association, Inc., Auburndale, Fla. Fresh citrus fruits. Serial No. 566,911, Jan. 10. Class 46.

Ajello, Antonino, & Brothers, New York, N. Y. Candles. Serial No. 547,603, Jan. 10. Class 15.

Akron Plastics, Inc., Akron, Ohio. Toy and game balls. Serial No. 554,757, Jan. 10. Class 22.

Alabama Sportswear Mfg. Co.: *See*—
Albano, Demetrio.

Albano, Demetrio, doing business as Alabama Sportswear Mfg. Co., Brooklyn and New York, N. Y. Infants', children's, and juniors' pajamas, overalls, sun suits, blouses. Serial No. 562,770, Jan. 10. Class 39.

Alene Bra, Inc., New York, N. Y. Strapless brassières. Serial No. 560,854, Jan. 10. Class 39.

Alexander Woolen Co., Chicago, Ill. Woolen piece goods. Serial No. 539,844, Jan. 10. Class 42.

American Air Filter Company, Inc., Louisville, Ky. Electrical ventilating air cleaners or precipitators. Serial No. 562,007, Jan. 10. Class 21.

American Air Filter Company, Inc., Louisville, Ky. Electrical ventilating air cleaners or precipitators. Serial No. 562,012, Jan. 10. Class 21.

American Air Filter Company, Inc., Louisville, Ky. Electrical ventilating air cleaners or precipitators. Serial No. 562,014, Jan. 10. Class 21.

American Cabinet Hardware Corporation, Rockford, Ill. Cabinet hardware. Serial No. 554,349, Jan. 10. Class 13.

American Cyanamid Company, New York, N. Y. Urea formaldehyde and ketone formaldehyde resins. Serial No. 567,124, Jan. 10. Class 1.

Anglo-American Packing Corp., New York, N. Y. Beef goulash. Serial No. 498,680, Jan. 10. Class 46.

Armour and Company, Chicago, Ill. Italian type ham. Serial No. 528,417, Jan. 10. Class 46.

Armstrong Siddeley Motors Limited, Coventry, England. Aeroplane engines. Serial No. 568,923, Jan. 10. Class 23.

Ashland Oil & Refining Company, Ashland, Ky. Motor oil. Serial No. 558,773, Jan. 10. Class 15.

Athey Products Corporation, Chicago, Ill. Loaders; and track-laying or crawler wheel units. Serial No. 566,061, Jan. 10. Class 23.

Atlantic Refining Company, The, Philadelphia, Pa. Petroleum waxes, lubricating greases, lubricating oils, and motor fuels. Serial No. 568,708, Jan. 10. Class 15.

Australian Knitting Mills Limited (New Company), Richmond, Victoria, Australia. Hosiery and knitted woolen and worsted garments. Serial No. 539,481, Jan. 10. Class 39.

Automatic Household Aids, Inc., New York, N. Y. Television receiving sets, central control television receiving sets, and remote control television viewers. Serial No. 563,595, Jan. 10. Class 21.

Axelrod, Meyer L., doing business under the name Cleanser Materials Co., Miami, Fla. Cleansing solution for dental plates and removable bridgework. Serial No. 567,109, Jan. 10. Class 51.

B. B. Crystal Corp., New York, N. Y. Watch crystals. Serial No. 571,604, Jan. 10. Class 33.

Bank of America National Trust and Savings Association, San Francisco, Calif. Commercial, savings and trust department banking services. Serial No. 529,741, Jan. 10. Class 102.

Barber-Colman Company, Rockford, Ill. Electric motor driven operators. Serial No. 561,793, Jan. 10. Class 21.

Barr Rubber Products Company, The, Sandusky, Ohio. Toys. Serial No. 564,801, Jan. 10. Class 22.

Bayshore Industries, Inc., Elkton, Md. Toy rubber balloons. Serial Nos. 561,436–7, Jan. 10. Class 22.

Beehler Arts, New York, N. Y. Dolls. Serial No. 552,584, Jan. 10. Class 22.

Bell Buoy Crab House, Seaside, Oreg. Canned fish and canned shellfish. Serial No. 538,231, Jan. 10. Class 46.

Belt Corporation, St. Louis, Mo. Ladies' garters. Serial No. 558,099, Jan. 10. Class 39.

Benson & Hedges, New York, N. Y. Pipe tobacco. Serial No. 562,980, Jan. 10. Class 17.

Berle-Pinkerton Industries, Inc., South Boston, Boston, Mass. Playyard equipment. Serial No. 572,827, Jan. 10. Class 22.

Berlitz Schools of Languages of America, Inc., The, New York, N. Y. Printed books, pamphlets, and circulars. Serial No. 571,703, Jan. 10. Class 38.

"Billy-Dee of California": *See*—
Deutchman, Julius.

Bingham-Herbrand Corporation, The, Toledo and Fremont, Ohio. Wrenches, pliers, hammers, etc. Serial No. 542,524, Jan. 10. Class 23.

Bison Motor Co., Great Falls, Mont. Rebuilt internal combustion engines. Serial No. 556,621, Jan. 10. Class 23.

Blake, Moffitt & Towne, San Francisco, Calif. Book paper. Serial No. 562,529, Jan. 10. Class 37.

Blue Lake Packers, Inc., West Salem, Oreg. Canned vegetables. Serial No. 556,072, Jan. 10. Class 46.

Bock, H. Anton, Co., Inc., New York, N. Y. Cigars. Serial No. 544,034, Jan. 10. Class 17.

Borg-Warner Corporation, Chicago, Ill. Carburetors. Serial No. 482,973, Jan. 10. Class 23.

Bornot, Inc., Philadelphia, Pa. Cleaning, dyeing, pressing, and storing garments. Serial No. 528,760, Jan. 10. Class 103.

Boyertown Burial Casket Company, Boyertown, Pa. Inner liners made of synthetic plastic material, which are placed within regular caskets. Serial No. 520,607, Jan. 10. Class 2.

Boynton, Beryl W., Lafayette, Calif. Dolls. Serial No. 553,668, Jan. 10. Class 22.

Bradbury, Clarence M., Brooklyn, N. Y. Watches. Serial No. 576,248, Jan. 10. Class 26.

Breco Manufacturing Co., Baltimore, Md. Pipe and hose couplings. Serial No. 571,007, Jan. 10. Class 13.

Brown & Bigelow, St. Paul, Minn. Memorandum pads. Serial No. 566,743, Jan. 10. Class 37.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Spotting collars for bowling pin setters. Serial No. 563,110, Jan. 10. Class 22.

Caussat, Louis L., Brunoy, France. Kaleidoscopes. Serial No. 560,318, Jan. 10. Class 26.

Century Cement Manufacturing Company, Inc., Rosendale, N. Y. Masonry cement. Serial No. 566,317, Jan. 10. Class 12.

Charmore Company, The, Paterson, N. J., and New York, N. Y. Mouth operated musical toy. Serial No. 565,752, Jan. 10. Class 22.

Chase-Shawmut Company, The: *See*—
Mu-Switch Corporation, Inc.

Chase-Shawmut Company, The, Newburyport, Mass. Electric fuses and fuse links therefor. Serial No. 568,931, Jan. 10. Class 21.

Chemspecs Laboratory: *See*—
Sowerwine, Elbert O., Jr.

Cleanser Materials Co.: *See*—
Axelrod, Meyer L.

Cloverdale Spring Company: *See*—
Cloverdale Spring Company, The.

Cloverdale Spring Company, The, also known as Cloverdale Spring Company, Baltimore, Md. Maltless soft drinks and carbonated waters and syrups, etc. Serial No. 570,948, Jan. 10. Class 45.

Coffee Concentrate Corporation, Miami, Fla. Carbonated non-alcoholic beverage. Serial No. 566,973, Jan. 10. Class 45.

Concrete Termite Company, Pasadena, Calif. Drill bits. Serial No. 528,067, Jan. 10. Class 23.

Control Industries, Incorporated, Detroit, Mich. Laminar metallic sheet material. Serial No. 569,603, Jan. 10. Class 14.

Copy Right Manufacturing Corporation, New York, N. Y. Copy work holders. Serial No. 556,423, Jan. 10. Class 23.

Countess Mara, Inc., New York, N. Y. Men's clothing. Serial No. 559,005, Jan. 10. Class 39.

Crompton Company, West Warwick, R. I. Corduroy fabrics in the piece. Serial No. 559,794, Jan. 10. Class 42.

Curry, Anna M., Independence, Mo. Toy dish and cup sets, toy banks, and toy building blocks. Serial No. 571,517, Jan. 10. Class 22.

Cushman and Denison Mfg. Co., Inc., New York, N. Y. Fountain brushes. Serial No. 557,342, Jan. 10. Class 29.

Cutter Laboratories, Berkeley, Calif. Bacterial vaccine. Serial No. 566,793, Jan. 10. Class 18.

Cutter Laboratories, Berkeley, Calif. Mixture of chemical compounds. Serial No. 569,606, Jan. 10. Class 18.

Cyreld: *See*—
Spiller, Cyreld.

Damon Creations, Inc., New York, N. Y. Four-in-hand neckties, bow ties, knitted ties, scarfs, etc. Serial No. 542,447, Jan. 10. Class 39.

Davis, Robert C., New York, N. Y. Dyes. Serial No. 564,270, Jan. 10. Class 6.

Decatur Casting Company, The, Hamilton, Ohio. Gray iron castings. Serial No. 571,957, Jan. 10. Class 14.

De la Salle Institute, doing business as Mont la Salle Vineyards, Napa, Calif. Wines. Serial No. 568,353, Jan. 10. Class 47.

Delicia Chocolate & Candy Mfg. Co. Inc., New York, N. Y. Filled sugar wafers. Serial No. 567,452, Jan. 10. Class 46.

Dennison Manufacturing Company, Framingham, Mass. Paper diaper liners. Serial No. 558,483, Jan. 10. Class 39.

Deutchman, Julius, doing business as "Billy-Dee of California," Los Angeles, Calif. Women's outer wearing apparel. Serial No. 536,877, Jan. 10. Class 39.

Dewey and Almy Chemical Company, Cambridge, Mass. Transparent or translucent thermoplastic wrapping and packaging material. Serial No. 569,059, Jan. 10. Class 37.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. Serial No. 561,897, Jan. 10. Class 52.

Dictograph Products Company, Inc., New York, N. Y. Electronic hearing aids. Serial No. 566,751, Jan. 10. Class 44.

Dow Chemical Company, The, Midland, Mich. Weed-killing composition. Serial No. 567,686, Jan. 10. Class 6.

Dubow, J. A., Manufacturing Co., Inc., Chicago, Ill. Baseball gloves. Serial No. 568,940, Jan. 10. Class 22.

Duck, T. S., & Company, Ontario, Calif. Painting set. Serial No. 568,427, Jan. 10. Class 22.

Duquesne Brewing Company of Pittsburgh, Pittsburgh, Pa. Beer. Serial No. 569,610, Jan. 10. Class 48.

Eagle-Picher Company, The, Cincinnati, Ohio. Insulation material. Serial No. 566,923, Jan. 10. Class 12.

Emery Industries, Inc., Cincinnati, Ohio. Candles. Serial No. 575,561, Jan. 10. Class 15.

Englar, Kenneth G., Pacific Palisades, Calif. Attachment plugs. Serial No. 566,697, Jan. 10. Class 21.

Essex Wire Corporation, Detroit, Mich. Insulated electric wires and insulated electric cables. Serial No. 555,065, Jan. 10. Class 21.

Eyerkuss, Leslie L., Belleville, N. J. Toy miniature electric traffic signal lamps. Serial No. 562,254, Jan. 10. Class 22.

Eynard, J., & Cie, Paris, France. Surgical instruments. Serial No. 555,804, Jan. 10. Class 44.

Fair, The, Chicago, Ill. Hand cream, skin cleansers, skin refresheners, etc. Serial No. 536,368, Jan. 10. Class 51.

Ferguson, J. L., Company, Joliet, Ill. Oat hullers. Serial No. 527,491, Jan. 10. Class 23.

Fibre Metal Products Company, The, Chester, Pa. Combination weld cleaning and chipping tool. Serial No. 550,593, Jan. 10. Class 23.

Field, Walter M., & Co.: *See*—
Mack, R. R.

First National Bank and Trust Company of Bridgeport, The, Bridgeport, Conn. Bank loans and credit financing. Serial No. 565,587, Jan. 10. Class 102.

Flying Tigers (American Volunteer Group-Chinese Air Force,) Incorporated, The, New York, N. Y. Men's, women's, and children's underwear and outer clothing. Serial Nos. 513,732–3, Jan. 10. Class 39.

Forslund, Carl, Inc., Grand Rapids, Mich. Household furniture. Serial No. 556,712, Jan. 10. Class 32.

Foster Pen Shop, New York, N. Y. Pen repair service. Serial No. 554,659, Jan. 10. Class 103.

Fundamentals Incorporated, Orange, N. J. Books. Serial No. 566,872, Jan. 10. Class 38.

General Plywood Corporation, Louisville, Ky. Furniture. Serial No. 522,331, Jan. 10. Class 32.

Gillott, Joseph, & Sons, Limited, Birmingham, England. Steel pens. Serial No. 567,259, Jan. 10. Class 37.

Gliron Products Company, Cleveland, Ohio. Industrial lubricating and cooling composition. Serial No. 568,609, Jan. 10. Class 15.

Glimbel Brothers, Inc., New York, N. Y. Wines. Serial No. 555,940, Jan. 10. Class 47.

Giroux Company, Inc., New York, N. Y. Raspberry flavor fruit syrup. Serial No. 571,325, Jan. 10. Class 45.

Golden State Company, Ltd., San Francisco, Calif. Milk and milk products, etc. Serial No. 541,411, Jan. 10. Class 46.

Gottfried Company, The, Cleveland, Ohio. Dresses. Serial No. 563,736, Jan. 10. Class 39.

Greene, John W., Medford, Oreg. Fresh pears. Serial No. 543,598, Jan. 10. Class 46.

Greubel, Joseph F., doing business as Valley Dairy Stores, Latrobe, Pa. Ice cream. Serial No. 566,827, Jan. 10. Class 46.

Groesman, I., & Sons, New York, N. Y. Ladies' and misses' coats, suits, skirts, etc. Serial No. 555,858, Jan. 10. Class 39.

Groveton Papers Company, Groveton, N. H. Bond paper. Serial No. 565,619, Jan. 10. Class 37.

Gunther & Sharfman Inc., New York, N. Y. Children's, juniors', and misses' knitted and textile undergarments. Serial No. 568,916, Jan. 10. Class 39.

Haggar Company, Dallas, Tex. Men's and boys' work pants, dress pants, and riding pants. Serial No. 522,404, Jan. 10. Class 39.

Haloid Company, The, Rochester, N. Y. Apparatus for making photocopies. Serial No. 563,178, Jan. 10. Class 26.

Haloid Company, The, Rochester, N. Y. Electrophotographic plates. Serial No. 563,179, Jan. 10. Class 26.

Hanovia Chemical and Manufacturing Company, Newark, N. J. Ultraviolet lamps. Serial No. 567,400, Jan. 10. Class 44.

Hardin Chemical Co., Inc., Middletown, N. J. Room deodorant. Serial No. 556,183, Jan. 10. Class 6.

Harf Inc., Hilltown, Pa. Shampoo. Serial No. 539,157, Jan. 10. Class 52.

Hart-Carter Company, Minneapolis, Minn. Grain cleaning machinery. Serial No. 531,032, Jan. 10. Class 23.

Hastings, H. G., Co., Atlanta, Ga. Lawn seed mixture. Serial No. 567,780, Jan. 10. Class 1.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon or comic strip. Serial No. 515,837, Jan. 10. Class 38.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 569,453, Jan. 10. Class 52.

High Seas Tuna Packing Company, Inc., Point Loma, and San Diego, Calif. Canned tuna. Serial No. 571,430, Jan. 10. Class 46.

Hunter Douglas Corporation, New York, N. Y. Metal stock. Serial No. 573,477, Jan. 10. Class 14.

Hyman, Edgar C., Co., Inc., New York, N. Y. Women's shawls and scarfs. Serial No. 553,860, Jan. 10. Class 39.

Ideal Industries, Inc., Sycamore, Ill. Hand polishing tools. Serial No. 540,541, Jan. 10. Class 23.

Independent Pneumatic Tool Company, Chicago, Ill. Carbon cleaning brushes, valve guide cleaning brushes, wire cup brushes, etc. Serial No. 555,516, Jan. 10. Class 29.

Ingersoll Products Corporation, Winchester, Mass. Canned cooked chicken preparations. Serial No. 551,103, Jan. 10. Class 46.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 556,103, Jan. 10. Class 39.

Jensen, Georg, Inc., New York, N. Y. Glassware. Serial No. 504,845, Jan. 10. Class 33.

Kalamazoo Sled Company, Kalamazoo, Mich. Child's sled. Serial No. 572,902, Jan. 10. Class 22.

Kelly, James E., doing business as Studio City Manufacturing Company, Studio City, Calif. Ceramic condiment shakers. Serial No. 559,846, Jan. 10. Class 30.

Kennedy Manufacturing Company, Van Wert, Ohio. Tackle boxes. Serial No. 571,279, Jan. 10. Class 22.

Krano Products Company: *See*—
Krano Sanitary & Janitor Supply Co.

Krano Sanitary & Janitor Supply Co., Chicago, Ill., now by change of name Krano Products Company. Primer compound, paint, surface sealer, etc. Serial No. 551,715, Jan. 10. Class 16.

Kress, S. H., and Company, New York, N. Y. Hosiery. Serial No. 542,411, Jan. 10. Class 39.

Lawyer, C. Ray, doing business as C. Ray Lawyer Companies, Berkeley, Calif. Toy pistols and cap pistols. Serial No. 572,310, Jan. 10. Class 22.

Lawyer, C. Ray, Companies: *See*—
Lawyer, C. Ray.

Lee Paper Company, Vicksburg, Mich. Bond paper. Serial No. 563,199, Jan. 10. Class 37.

Les Parfums Worth de Paris, Inc., New York, N. Y. Perfume, eau de cologne and toilet water. Serial No. 514,663, Jan. 10. Class 51.

Levey, Maurice, doing business as Tisop Products Co., Yonkers, N. Y. Medicinal preparation. Serial No. 567,411, Jan. 10. Class 18.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 553,876, Jan. 10. Class 18.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 568,741, Jan. 10. Class 18.

Linen Thread Co., Inc., The, New York, N. Y. Twine. Serial No. 523,687, Jan. 10. Class 7.

Looby Loo Designers, Minneapolis, Minn. Dolls, doll clothes and doll furniture. Serial No. 545,632, Jan. 10. Class 22.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 536,257, Jan. 10. Class 46.

Lucchese, Gaston, doing business as Rexvis Products Co., Chicago, Ill. Hair dressing. Serial No. 556,459, Jan. 10. Class 51.

M-D Manufacturing Company: *See*—
McConnell Manufacturing Company.

Mack, R. R., doing business as Walter M. Field & Co., San Francisco, Calif. Canned vegetables and canned fish. Serial No. 477,424, Jan. 10. Class 46.

Mack Shirt Corporation, The, Cincinnati, Ohio. Shirts, and jackets for men, boys, and women. Serial No. 518,157, Jan. 10. Class 39.

Martin Brothers Company, Minneapolis, Minn. Outdoor wear. Serial No. 559,630, Jan. 10. Class 39.

McConnell Manufacturing Company, Cambridge, Ohio, by change of name from M-D Manufacturing Company. Canvas bait bags. Serial No. 505,707, Jan. 10. Class 22.

Mercantile Stores Company, Inc., Wilmington, Del. Personal and social stationery. Serial No. 572,189, Jan. 10. Class 37.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. Serial No. 525,645, Jan. 10. Class 39.

Metal & Thermit Corporation, Woodbridge, N. J., and New York, N. Y. Chemical compounds. Serial No. 586,164, Jan. 10. Class 6.

Meyers & Rosser, Dallas, Tex. Sedative and an antispasmodic. Serial No. 568,857, Jan. 10. Class 18.

Meyers & Rosser, Dallas, Tex. Diuretic and coronary vasodilator. Serial No. 568,858, Jan. 10. Class 18.

Michaels, Stern & Company, Incorporated, Rochester, N. Y. Men's suits. Serial No. 524,143, Jan. 10. Class 39.

Milprint, Inc., Milwaukee, Wis. Counter, window, streetcar, and other advertising and display cards and signs; circulars, etc. Serial No. 503,824, Jan. 10. Class 38.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. Serial No. 576,416, Jan. 10. Class 5.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Pressed fiber composition board. Serial No. 571,343, Jan. 10. Class 12.

Miss Swank: *See*—
Miss Swank, Inc.

Miss Swank, Inc., New York, N. Y., assignor to Miss Swank. Women's slips. Serial No. 450,109, Jan. 10. Class 39.

Mont la Salle Vineyards: *See*—
De la Salle Institute.

Moody, T. D., doing business as Orange City Mineral Springs Company, Orange City, Fla. Bottled mineral water. Serial No. 542,777, Jan. 10. Class 45.

Moore-Handley Hardware Co., Inc., Birmingham, Ala. Enamelware. Serial No. 545,590, Jan. 10. Class 13.

Murray Engraving Company, Wilmington, Del., and Chicago, Ill. Printed and engraved stationery. Serial No. 524,199, Jan. 10. Class 37.

Mu-Switch Corporation, Inc., Canton, assignor to The Chase-Shawmut Company, Newburyport, Mass. Electric switches. Serial No. 484,212, Jan. 10. Class 21.

N. V. Brouwerij D'Oranjeboom, Rotterdam, Holland. Beer. Serial No. 560,534, Jan. 10. Class 48.

N. V. Brouwerij D'Oranjeboom, Rotterdam, Holland. Beer. Serial No. 560,537, Jan. 10. Class 48.

National Air Sander, Incorporated, Rockford, Ill. Portable fluid pressure actuated rubbing and sanding machines. Serial No. 562,872, Jan. 10. Class 23.

National Republic Publishing Company, Inc., Washington, D. C. Periodical publications. Serial Nos. 568,046–7, Jan. 10. Class 38.

Natural Sugars, Inc., New York, N. Y. Pancake syrup. Serial No. 553,004, Jan. 10. Class 46.

Nesen Diamond Tool Corporation, New York, N. Y. Emery wheel dressers, single point dressing tools, multi-diamond dressing tools, etc. Serial No. 551,471, Jan. 10. Class 23.

New Mercantile & Notion Corp., New York, N. Y. Buckles. Serial No. 567,272, Jan. 10. Class 40.

New England Linen Importing Co.: *See*—
Payne, Francis K.

New York Merchantile Company, The, doing business as Westchester Hat Company, St. Louis, Mo. Men's hats, sport jackets and sport shirts. Serial No. 562,392, Jan. 10. Class 39.

Niles-Bement-Pond Company: *See*—
Potter & Johnston Machine Company.

Norces Company, The, New York, N. Y. Wash mittens. Serial No. 576,927, Jan. 10. Class 42.

Nordberg Manufacturing Company, Milwaukee, Wis. Internal combustion engines. Serial No. 521,817, Jan. 10. Class 23.

Norris Inc., Atlanta, Ga. Chocolates, bonbons and candies. Serial No. 503,739, Jan. 10. Class 46.

Northwest Foundry & Furnace Co., Portland, Ohio. Domestic and industrial heating and ventilating equipment. Serial No. 551,130, Jan. 10. Class 34.

Oceanic Sales Co., Seattle, Wash. Canned salmon. Serial No. 561,332, Jan. 10. Class 46.

Ohio Oil Company, The, Findlay, Ohio. Motor lubricating oils and greases. Serial No. 574,158, Jan. 10. Class 15.

Oliver United Filters Incorporated, Oakland, Calif. Centrifugal pumps and pump linings. Serial No. 563,820, Jan. 10. Class 23.

Orange City Mineral Springs Company: *See*—
Moody, T. D.

Osborn, C. D., Co., Chicago, Ill. Men's and women's gloves. Serial No. 569,885, Jan. 10. Class 39.

Pacifici, Arnoldo, Rome, Italy. Soap and shaving soap. Serial No. 517,231, Jan. 10. Class 51.

Pam Shoe Co., Kirkwood, Mo. Infants' and children's shoes. Serial No. 559,494, Jan. 10. Class 39.

Panish Controls: *See*—
Panish, Erwin J.

Panish, Erwin J., doing business as Panish Controls, Bridgeport, Conn. Combination clutch and throttle control for engines. Serial No. 566,242, Jan. 10. Class 23.

Pantasote Company, The, Passaic, N. J. Vinyl plastic coated duck in the piece. Serial No. 555,625, Jan. 10. Class 42.

Patent Button Co., The, Waterbury, Conn. Decorative metal finishing. Serial No. 539,556, Jan. 10. Class 106.

Payne, Francis K., doing business as New England Linen Importing Co., Northborough, Mass. Handkerchiefs. Serial No. 560,346, Jan. 10. Class 39.

Perfumeria Gal, S. A., Madrid, Spain. Toilet soap and shaving soaps. Serial No. 557,771, Jan. 10. Class 51.

Peter Paul, Inc., Naugatuck, Conn. Chewing gum and candy. Serial No. 563,359, Jan. 10. Class 46.

Philadelphia Forum, Inc., The, assignor to The Philadelphia Inquirer Charities, Inc., Philadelphia, Pa. Monthly publication. Serial No. 556,912, Jan. 10. Class 38.

Philadelphia Inquirer Charities, Inc., The: *See*—
Philadelphia Forum, Inc., The.

Philips and Associates Limited, London, England. Containers made of chalkstone. Serial No. 541,332, Jan. 10. Class 30.

Pickles, William, & Company, Limited, Manchester, England. Men's and boys' coats, suits, jackets, etc. Serial No. 547,683, Jan. 10. Class 39.

Pioneer Rubber Company, The, Willard, Ohio. Rubberized fabric mittens. Serial No. 569,533, Jan. 10. Class 39.

Polk Miller Products Corporation, Richmond, Va. Liquid preparation for removing stains from fabrics. Serial No. 568,276, Jan. 10. Class 52.

Pond's Extract Company, New York, N. Y. Toilet, and cosmetic products. Serial No. 587,205, Jan. 10. Class 51.

Potter & Johnston Machine Company, Pawtucket, R. I., assignors to Niles-Bement-Pond Company, West Hartford, Conn. Machine tools. Serial No. 526,765, Jan. 10. Class 23.

Prather, Juliana H., Dayton, Ohio. Spiral metal holders. Serial No. 548,522, Jan. 10. Class 13.

Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits and vegetables. Serial No. 521,406, Jan. 10. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 571,493, Jan. 10. Class 52.

Production and Marketing Corporation, The, Newtown, Conn. Game. Serial No. 570,633, Jan. 10. Class 22.

Progressive Farmer Company, The, Birmingham, Ala., and Wilmington, Del. Periodical agricultural publication. Serial No. 552,324, Jan. 10. Class 38.

Prudence Foods Inc., Boston, Mass. Corned beef hash and roast beef hash. Serial No. 554,257, Jan. 10. Class 46.

Public Operating Corporation, New York, N. Y. Television and FM antennae. Serial No. 561,588, Jan. 10. Class 21.

Pure Oil Company, The, Chicago, Ill. Tachometer, timing light, condenser tester, etc. Serial No. 567,924, Jan. 10. Class 26.

Queen Valley Fabrics, Inc., Cumberland, R. I. Glass fiber marquisette household curtains and glass fiber marquisette piece goods. Serial No. 577,495, Jan. 10. Class 42.

Raab-Meyerhoff, M. H., Co., Inc., Philadelphia, Pa. Negligee shirts and collars. Serial No. 563,975, Jan. 10. Class 39.

Reliable Household Specialties Mfg., Co., New York, N. Y. Ironing wax. Serial No. 569,995, Jan. 10. Class 6.

Retail Credit Company, Atlanta, Ga. Conducting investigations and reporting on individuals and firms. Serial No. 532,980, Jan. 10. Class 101.

Rexvis Products Co.: *See*—
Lucchese, Gaston.

Richard, Andre L., Co., Inc., The, New York, N. Y. Powder puffs. Serial No. 557,465, Jan. 10. Class 29.

Riddell, John T., Inc., Chicago, Ill. Football helmets and head band suspensions. Serial No. 558,170, Jan. 10. Class 22.

Riverbank Wine Company, Brooklyn, N. Y. Wines. Serial No. 565,138, Jan. 10. Class 47.

Robbin, Meyer, doing business as Robbin Products, Los Angeles, Calif. Electric floor lamps, table lamps and planter lamps. Serial No. 559,733, Jan. 10. Class 21.

Robbin Products: *See*—
Robbin, Meyer.

Rock of Ages Corporation, Barre, Vt. Blocks of granite. Serial No. 566,952, Jan. 10. Class 1.

Salisbury Hosiery Mill, Salisbury, Md. Hosiery. Serial No. 560,229, Jan. 10. Class 39.

Sanders, Arthur W., doing business as Abbey International, New York, N. Y. Radio receiving sets and electrical phonographs. Serial No. 552,169, Jan. 10. Class 21.

Schatz Manufacturing Company, The, Poughkeepsie, N. Y. Ball bearing casters. Serial No. 567,716, Jan. 10. Class 13.

Schulte, D. A., Inc., New York, N. Y. Pipe cleaners, cigar holders, cigarette holders, etc. Serial No. 554,717, Jan. 10. Class 8.

Searle, G. D., & Co., Chicago, Ill. Medicinal and pharmaceutical preparations. Serial No. 566,660, Jan. 10. Class 18.

Sears, Roebuck and Co., Chicago, Ill. Paint and varnish cleaner, floor cleaner, all-purpose cleaner, etc. Serial No. 549,011, Jan. 10. Class 52.

Sears, Roebuck and Co., Chicago, Ill. Food choppers, hand operated food grinders, kitchen utensils, etc. Serial No. 550,088, Jan. 10. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Baby chicks, pullets, cockerels, etc. Serial No. 551,406, Jan. 10. Class 1.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 570,233, Jan. 10. Class 18.

Sharp & Dohme Incorporated, Philadelphia, Pa. Serums, vaccines and complement. Serial No. 570,325, Jan. 10. Class 18.

Simon Millinery Co., San Francisco, Calif. Ladies' hats. Serial No. 566,824, Jan. 10. Class 39.

Smith, Colburn J., Lemoore, Calif. Medicament directed to the alleviation of the smoking habit. Serial No. 557,395, Jan. 10. Class 18.

Smith Laboratories, Inc., Jacksonville, Fla. Medicinal compound. Serial No. 567,603, Jan. 10. Class 18.

Snyder, Dan, & Co., Inc., New York, N. Y. Misses', girls', teens', juniors', and children's coats and suits. Serial No. 562,162, Jan. 10. Class 39.

Societa Per Azioni Profumi Emef, Rome, Italy. Perfumes, toilet waters, bath salts, etc. Serial No. 554,729, Jan. 10. Class 51.

Société à Responsabilité Limitée Dite "Dominique" Spécialités Pour Babies, Fillettes, Garconnets et Jeunes Filles, Paris, France. Girls' and women's dresses, skirts, blouses. Serial No. 547,369, Jan. 10. Class 39.

Societe des Laboratoires Cortial Societe Responsabilite Limitee, Paris, France. Intravenous or intramuscular injections. Serial No. 564,745, Jan. 10. Class 18.

Sondra Undergarments Co., Inc., New York, N. Y. Ladies' underwear. Serial No. 554,524, Jan. 10. Class 39.

Sowerwine, Elbert O., Jr., doing business as Chemspecs Laboratory, Cranford, N. J. Deodorant and mildew-proofer. Serial No. 559,557, Jan. 10. Class 6.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Badminton racsets, tennis rackets, squash rackets, etc. Serial Nos. 563,224–5. Jan. 10. Class 22.

Spencer Chemical Company, Kansas City, Mo. Solid carbon dioxide. Serial Nos. 559,020–1, Jan. 10. Class 6.

Spiller, Cyreid, doing business as Cyreid, Brookline, Mass. Ladies' and misses' hats, and hat trimmings, bathing suits, etc. Serial No. 517,018, Jan. 10. Class 39.

Staley, A. E., Manufacturing Company, Decatur, Ill. Publication. Serial No. 561,780, Jan. 10. Class 38.

Standard Sand and Silica Company, Davenport, Fla. Silica, sand, gravel, and rock of various kinds. Serial No. 567,930, Jan. 10. Class 1.

Stanley & Stanley, Incorporated, New York, N. Y. Billfolds and wallets; brief cases; collar bags; etc. Serial No 568,406, Jan. 10. Class 3.

Studio City Manufacturing Company: *See*—
Kelly, James E.

Tapp, Ernest A., doing business as Ten-To-One Chemical Co., Kansas City, Mo. Lubricating oil for conditioning. Serial No. 565,975, Jan. 10. Class 15.

Temprite Products Corporation, Detroit, Mich. Mechanical refrigerating apparatus, etc. Serial No. 539,839, Jan. 10. Class 31.

Ten-To-One Chemical Co.: *See*—
Tapp, Ernest A.

Tide Publishing Company, Inc., New York, N. Y. Section or department of a magazine or a publication. Serial No. 547,192, Jan. 10. Class 38.

Tinnerman Products, Inc., Cleveland, Ohio. Metal clips. Serial No. 560,582. Jan. 10. Class 13.

Tisop Products Co.: *See*—
Levey, Maurice.

Torbitt & Castleman Company, The, Louisville, Ky. Table syrups. Serial Nos. 537,843–4, Jan. 10. Class 46.

Towle Manufacturing Company, Newburyport, Mass. Sterling silver and sterling silver mounted flatware, hollow-ware and cutlery. Serial No. 563,523, Jan. 10. Class 28.

Tru-Mac Manufacturing Co., Inc., Reading, Mass. Electric water heaters. Serial No. 554,739, Jan. 10. Class 21.

Tudor Accumulator Company, Limited, The, Dukinfield, England. Storage batteries and parts thereof. Serial No. 565,856, Jan. 10. Class 21.

Union Switch and Signal Company, The, Swissvale, Pa. Portable telephone apparatus. Serial No. 520,427, Jan. 10. Class 21.

Union Pacific Railroad Company, Omaha, Nebr. Railroad transportation. Serial No. 559,868, Jan. 10. Class 105.

United Light and Railways Service Company, The, Chicago, Ill., and Davenport, Iowa. Monthly magazine. Serial No. 547,377, Jan. 10. Class 38.

United States Finishing Company, The, Norwich, Conn. Finishing of textile fabrics. Serial No. 554,633, Jan. 10. Class 106.

United States Gypsum Company, Chicago, Ill. Metallic clips. Serial No. 559,073, Jan. 10. Class 12.

Upsons Limited, London, England. Boots, shoes, sandals, moccasins and bath slippers. Serial No. 559,360, Jan. 10. Class 39.

Upsons Limited, London, England. Boots, shoes, sandals, moccasins and bath slippers. Serial No. 560,070, Jan. 10. Class 39.

Valley Dairy Stores: *See*—
Greubel, Joseph F.

Vaughan Novelty Mfg. Co., Chicago, Ill. Combination bottle stoppers and openers. Serial No. 567,287, Jan. 10. Class 73.

Wallerstein Company, Inc., New York, N. Y. Ensymatic products. Serial No. 571,829, Jan. 10. Class 52.

Warner Publications, Inc., New York, N. Y. Fiction magazine. Serial No. 559,752, Jan. 10. Class 38.

Welder, Joseph E., doing business as Your Physique Publishing Company, Montreal, Quebec, Canada. Magazine. Serial No. 520,484, Jan. 10. Class 38.

West, Charles, Los Angeles, Calif. Food flavoring extract. Serial No. 553,155, Jan. 10. Class 46.

West Disinfecting Company, Long Island City, N. Y. Powdered hand soap dispenser. Serial No. 562,740, Jan. 10. Class 13.

Westchester Hat Company: *See*—
New York Mercantile Company, The.

Williams and Shelton Company, Inc., Charlotte, N. C. Electric cooking stoves and ranges, electric water heaters, etc. Serial No. 565,502, Jan. 10. Class 21.

Wisconsin Church Mutual Fire Insurance Company, Merrill, Wis. Underwriting of fire insurance. Serial No. 543,764, Jan. 10. Class 102.

Wolin, Bob: *See*—
Wolin, Robert B.

Wolin, Robert B., also known as Bob Wolin, New York, N. Y. Comic strips. Serial No. 570,736, Jan. 10. Class 38.

Wyeth Incorporated, Philadelphia, Pa. Antibiotic with vasoconstrictor. Serial No. 565,675, Jan. 10. Class 18.

Your Physique Publishing Company: *See*—
Welder, Joseph E.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. Serial No. 555,220, Jan. 10. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Mfg. Company: *See*—
Oathout, Guy R.

Ahrens Publishing Company, Inc., New York, N. Y. Section of a magazine. 519,836, Jan. 10; Serial No. 569,927. Class 38.

Akron Products Company, The, Akron, Ohio. Adjustable supports for raising or supporting sagging floors. 519,559, Jan. 10; Serial No. 512,476, published Sept. 27, 1949. Class 12.

Alaska Packers Association, San Francisco, Calif. Canned salmon. 76,425, re-renewed Jan. 18, 1950. O. G. Jan. 10. Class 46.

Albemarle Paper Manufacturing Company, The, Richmond, Va. Blotting-paper. 77,115, re-renewed Mar. 8, 1950. O. G. Jan. 10. Class 37.

Alexander, G. W., & Co., Inc., Reading, Pa. Men's and women's fur-felt hats. 268,485, renewed Mar. 18, 1950. O. G. Jan. 10. Class 39.

Algaderm Inc., Bellingham, Wash. Ointments and lotions. 519,774, Jan. 10; Serial No. 568,773, published Sept. 13, 1949. Class 18.

Algin Products Corporation, by Feedwater, Inc., New York, N. Y. Chemicals used for clearing swimming pools and the like. 262,674, Oct. 22, 1929. Republished Jan. 10. Class 6.

Allen, Mark, Co.: *See*—
Allen, Mark W., & Co.

Allen, Mark W., & Co., to Mark Allen Co., Detroit, Mich. Shaving cream. 269,075, renewed Mar. 25, 1950. O. G. Jan. 10. Class 51.

Almac Laboratories, Inc., Scranton, Pa. Pharmaceutical preparations. 519,730, Jan. 10; Serial No. 563,049, published Aug. 30, 1949. Class 18.

Altman, B., & Co., New York, N. Y. Magazine. 235,585, Nov. 22, 1927. Republished Jan. 10. Class 38.

American Airlines, Inc., New York, N. Y. Air transport. 519,788, Jan. 10; Serial No. 573,022, published Sept. 27, 1949. Class 105.

American Brake Shoe Company, New York, N. Y. Metal welding rods. 519,766, Jan. 10; Serial No. 567,897, published Oct. 18, 1949. Class 14.

American Cyanamid Company, New York, N. Y. Dicyandiamide for use in paper manufacture. 519,742, Jan. 10; Serial No. 564,751, published Sept. 13, 1949. Class 6.

American Numbering Machine Co., Brooklyn, N. Y. Hand numbering machine. 519,626, Jan. 10; Serial No. 548,052, published Sept. 27, 1949. Class 23.

American Tack Co., Inc., New York, N. Y. Thumb tacks, furniture nails, and upholstery nails. 519,656, Jan. 10; Serial No. 549,692, published Sept. 20, 1949. Class 13.

American Thread Company, The, New York, N. Y. Hand knitting wool yarn. 519,699, Jan. 10; Serial No. 558,683, published Aug. 23, 1949. Class 43.

American Typesetting Corporation, Chicago, Ill. Transparent legend sheets. 519,552, Jan. 10; Serial No. 497,157, published Sept. 13, 1949. Class 26.

American Writing Paper Company, Inc., to American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. 269,162, renewed Mar. 25, 1950. O. G. Jan. 10. Class 37.

American Writing Paper Corporation: *See*—
American Writing Paper Company, Inc.

American Writing Paper Corporation, Holyoke, Mass. Papeterie-papers. 519,811, Jan. 10; Serial No. 537,392. Class 37.

Anderson, Lillian, Manhasset, N. Y. Cleansing cream, marcel wax talcum powder, cold cream, face powder, and sachet powder. 519,803, Jan. 10; Serial No. 525,175. Class 51.

Andrews, Mark B., doing business as The Mark Andrews Company, Kirkwood, Mo. Pressure sensitive tape. 519,562, Jan. 10; Serial No. 518,810, published Sept. 13, 1949. Class 5.

Andrews, Mark, Company, The: *See*—
Andrews, Mark B.

Ansul Chemical Company, Marinette, Wis. Comminuted free-flowing, fire-extinguishing dry chemical. 519,740, Jan. 10; Serial No. 564,546, published Sept. 13, 1949. Class 6.

Arbogast, Fred, by Fred Arbogast and Company, Inc., Akron, Ohio. Artificial bait. 408,208, July 25, 1944. Republished Jan. 10. Class 22.

Arbogast, Fred, and Company, Inc.: *See*—
Arbogast, Fred.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfume and toilet water. 519,771, Jan. 10; Serial No. 568,421, published Sept. 6, 1949. Class 51.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Astringent oils. 519,837, Jan. 10; Serial No. 570,467. Class 51.

Arkansas Co. Inc.: *See*—
Arkansas Distributing Co.

Arkansas Distributing Co., New York, N. Y., to Arkansas Co. Inc., Newark, N. J. Fixing and developing acid. 147,474, renewed Jan. 5, 1948. O. G. Jan. 10. Class 6.

Armour and Company, Chicago, Ill. Vitamin compositions. 519,585, Jan. 10; Serial No. 528,399, published Aug. 16, 1949. Class 18.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Cork, synthetic rubber, and cork and synthetic rubber roll covers. 519,561, Jan. 10; Serial No. 517,284, published Sept. 13, 1949. Class 23.

Associated Spring Corporation, Bristol, Conn., Chicago, Ill., Corry, Pa., and elsewhere. Hair springs. 519,662, Jan. 10; Serial No. 549,330, published Oct. 4, 1949. Class 13.

Astra Laboratory, Scotia, N. Y. Skin cream. 519,747, Jan. 10; Serial No. 565,606, published Sept. 6, 1949. Class 51.

Atlantic Fabrics Co.: *See*—
Swarts, Mark A.

Atlas Fabrics Corporation: *See*—
Atlas Mills, Inc.

Atlas Mills, Inc., to Atlas Fabrics Corporation, New York, N. Y. Textile fabrics. 308,237, Nov. 28, 1933. New certificate. O. G. Jan. 10. Class 42.

Atlas Mills, Inc., to Atlas Fabrics Corporation, New York, N. Y. Silk piece goods. 328,509–10, Oct. 1, 1935. New certificate. O. G. Jan. 10. Class 42.

Atlas Mills, Inc., to Atlas Fabrics Corporation, New York, N. Y. Piece goods. 328,582, Oct. 1, 1935. New certificate. O. G. Jan. 10. Class 42.

Attorney General of the United States: *See*—
Mullhens, Peter.

Augat, Ernest H., by Strut, Incorporated, Attleboro, Mass. Jewelry findings, and jewelry. 424,622, Oct. 15, 1946. Republished Jan. 10. Classes 2, 8, and 28.

Automatic Drip-O-Lator Company, Kansas City, Mo., assignor to The Enterprise Aluminum Company, to The Enterprise Aluminum Company, Massillon, Ohio. Apparatus for preparing infusions. 268,715, renewed Mar. 18, 1950. O. G. Jan. 10. Class 13.

Bailey, George S., Hat Co., Inc., Los Angeles, Calif. Men's hats. 519,682, Jan. 10; Serial No. 555,482, published Sept. 13, 1949. Class 39.

Baker Castor Oil Company, The, New York, N. Y. Castor oil. 519,635, Jan. 10; Serial No. 545,810, published Aug. 30, 1949. Class 6.

Baker, Milton, doing business as Regal Specialty Mfg. Co., New Haven, Conn. Table cutlery and flatware. Cutlery and kitchen utensils. 443,662, Jan. 10; Serial No. 498,385, published Aug. 12, 1947. Class 23.

Balata, Victor, & Textile Belting Co., New York, N. Y. Solid woven belt. 268,827, renewed Mar. 18, 1950. O. G. Jan. 10. Class 35.

Baldwin Rubber Company, Pontiac, Mich. Rubber and rubber composition floor mats. 519,616, Jan. 10; Serial No. 540,626, published Sept. 13, 1949. Class 50.

Beacon Sales Company, Charlestown, Mass. Waterproof compound in plastic and liquid form, sheathing paper, saturated felt, etc. 519,594, Jan. 10; Serial No. 532,109, published Sept. 6, 1949. Class 12.

Beardmore Products, Incorporated, East Rutherford, N. J. Perfumed bath capsules. 443,671, Jan. 10; Serial No. 520,087, published Aug. 16, 1949. Class 51.

Belknap Mills Corporation, Laconia, N. H. Hosiery. 519,834, Jan. 10; Serial No. 567,847. Class 39.

Bell & Gossett Company, Morton Grove, Ill. Thermostats, clock thermostats, electrical controls. 519,593, Jan. 10; Serial No. 531,424, published Sept. 13, 1949. Class 26.

Bell & Howell Company, Chicago, Ill. Motion picture projectors and motion picture film cleaners. 519,590, Jan. 10; Serial No. 529,574, published Sept. 13, 1949. Class 26.

Bendel, Henri, Inc., New York, N. Y. Perfumes, bath salts, toilet water, etc. 261,551, Sept. 17, 1929. Republished Jan. 10. Class 51.

Bendix Aviation Corporation, Detroit, Mich. Sonic depth indicators and recorders. 519,551, Jan. 10; Serial No. 482,970, published Sept. 13, 1949. Class 26.

Bergman, Sidney U., doing business under the trade name of Sidney U. Bergman & Co., Chicago, Ill. Insurance brokerage. 519,786, Jan. 10; Serial No. 553,569, published Sept. 27, 1949. Class 102.

Bergman, Sidney U., & Co.: *See*—
Bergman, Sidney U.

Berst-Forster-Dixfield Company, Dixfield, Maine, and New York, N. Y., by The Diamond Match Company, New York, N. Y. Sanitary tongue blades. 365,465, Mar. 7, 1939. Republished Jan. 10. Class 44.

Berst-Forster-Dixfield Company, Dixfield, Maine, and New York, N. Y., by The Diamond Match Company, New York, N. Y. Toothpicks and wood applicators. 372,522, Oct. 31, 1939. Republished Jan. 10. Class 44.

Berst-Forster-Dixfield Company, Dixfield, Maine, and New York, N. Y., by The Diamond Match Company, New York, N. Y. Clothespins. 372,846, Nov. 14, 1939. Republished Jan. 10. Class 24.

Berst-Forster-Dixfield Company, by The Diamond Match Company, New York, N. Y. Floral sticks. 380,477, Aug. 20, 1940. Republished Jan. 10. Class 50.

Berst-Forster-Dixfield Company, by The Diamond Match Company, New York, N. Y. Paper towel dispensers. 386,569, Apr. 15, 1941. Republished Jan. 10. Class 23.

Berst-Forster-Dixfield Company, by The Diamond Match Company, New York, N. Y. Paper towels. 386,802, Apr. 22, 1941. Republished Jan. 10, 1950. Class 37.

Berst-Forster-Dixfield Company, by The Diamond Match Company, New York, N. Y. Paper plates. 387,036, Apr. 29, 1941. Republished Jan. 10. Class 2.

Betmur Steel Corporation, Detroit, Mich. Sheet steel. 519,751, Jan. 10; Serial No. 566,271, published Sept. 6, 1949. Class 14.

Beverage Distributors, Inc.: *See*—
Gandolfi, L., & Co., Inc.

Bezark, I., & Sons: *See*—
Bezark, Leonard J.

Bezark, Leonard J., doing business as I. Bezark & Sons, Chicago, Ill. Women's hats. 519,621, Jan. 10; Serial No. 541,803, published Apr. 26, 1949. Class 39.

Binney & Smith Company, New York, N. Y. Product consisting of carbon black. 519,784, Jan. 10; Serial No. 563,655, published Sept. 20, 1949. Class 6.

Bird & Son, Inc., East Walpole, Mass. Asphalt shingles. 519,743, Jan. 10; Serial No. 564,984, published Sept. 27, 1949. Class 12.

Blackhawk Mfg. Co., Milwaukee, Wis. Steel alloy for wrenches and tools. 519,634, Jan. 10; Serial No. 545,614, published Apr. 5, 1949. Class 14.

Bloomington Limestone Company, to Bloomington Limestone Corporation, Bloomington, Ind. Building blocks. 258,699, renewed July 16, 1949. O. G. Jan. 10. Class 12.

Bloomington Limestone Corporation: *See*—
Bloomington Limestone Company.

Bocon Chemical Corporation, New York, N. Y. Chemical compounds. 519,617, Jan. 10; Serial No. 540,978, published Sept. 28, 1948. Class 6.

Bodge, M. P., doing business as M. P. Bodge Products, Portsmouth, N. H. Fishing tackle. 519,814, Jan. 10; Serial No. 551,936. Class 22.

Bodge, M. P., Products: *See*—
Bodge, M. P.

Booth Bottling Company, Inc., Philadelphia, Pa. Non-alcoholic maltless beverages. 519,738, Jan. 10; Serial No. 564,430, published Oct. 4, 1949. Class 45.

Boott Mills, Lowell, Mass. Hand towels and bath towels. 268,387, renewed Mar. 11, 1950. O. G. Jan. 10. Class 42.

Borcherdt Malt Extract Company, Chicago, Ill. Medicinal preparations. 519,627, Jan. 10; Serial No. 543,562, published Sept. 27, 1949. Class 18.

Botany Worsted Mills, Passaic, N. J. Powder for the toilette and lipsticks. 443,666, Jan. 10; Serial No. 506,501, published June 10, 1947. Class 51.

Bowman Hat Company, Knoxville, Tenn. Men's hats and caps. 268,457, renewed Mar. 18, 1950. O. G. Jan. 10. Class 39.

Boyle and Company, Los Angeles, Calif. Combination of sodium pentobarbital and acid pentobarbital. 519,677, Jan. 10; Serial No. 554,085, published Aug. 23, 1949. Class 6.

Boynton, Beryl W., Lafayette, Calif. Dolls. 519,671, Jan. 10; Serial No. 553,667, published Sept. 27, 1949. Class 22.

Bragg, Paul C., doing business as Live Food Products Co., Burbank, Calif. Vitamin P tablet. 519,772, Jan. 10; Serial No. 568,489, published Sept. 27, 1949. Class 18.

Brentwood Distributors: *See*—
Smith, Howard.

Brown & Bigelow, St. Paul, Minn. Portfolios, pocketbooks, wallets, etc. 268,608, renewed Mar. 18, 1950. O. G. Jan. 10. Class 3.

Bruce, E. L., Co., Memphis, Tenn. Chemical composition for impregnating wood. 252,754, Feb. 12, 1929. Republished Jan. 10. Class 6.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 344,361, Mar. 23, 1937. Republished Jan. 10. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley shellac. 421,291, May 28, 1946. Republished Jan. 10. Class 16.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Electrically operated lathe. 519,560, Jan. 10; Serial No. 518,491, published Sept. 13, 1949. Class 23.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cue protectors. 519,824, Jan. 10; Serial No. 558,279. Class 22.

Bucher, Simon, doing business as Master Ladder Bracket Co., Milwaukee, Wis. Ladder brackets. 519,672, Jan. 10; Serial No. 553,670, published Sept. 6, 1949. Class 50.

Bulova Watch Company, Inc., New York, N. Y. Wrist bands, bracelets, and chains for watches; clasps, buckles, and fasteners therefor, etc. 519,601, Jan. 10; Serial No. 534,598, published Oct. 18, 1949. Class 28.

Burns, T. S., and Boys Co., Incorporated, Buffalo, N. Y. Laxative. 263,436, renewed Nov. 5, 1949. O. G. Jan. 10. Class 18.

C & D Flavor Company, Houston, Tex. Flavored syrup. 519,674, Jan. 10; Serial No. 553,811, published Oct. 11, 1949. Class 45.

California Car Bed Company, Los Angeles, Calif. Vehicle seats. 519,809, Jan. 10; Serial No. 536,044. Class 19.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 519,603, Jan. 10; Serial No. 535,220, published Sept. 28, 1948. Class 6.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 519,659, Jan. 10; Serial No. 550,385, published Sept. 6, 1949. Class 6.

Callaway Mills Company: *See*—
Valway Rug Mills, Inc.

Camel Manufacturing Company, Knoxville, Tenn. Canvas tents and tarpaulins. 519,669, Jan. 10; Serial No. 553,573, published Sept. 6, 1949. Class 50.

Carpenter Steel Company, The, Reading, Pa. Steel. 519,722, Jan. 10; Serial No. 561,652, published Sept. 6, 1949. Class 14.

Celanese Corporation of America, New York, N. Y. Fabrics. 268,620, renewed Mar. 18, 1950. O. G. Jan. 10. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 268,818, renewed Mar. 18, 1950. O. G. Jan. 10. Class 42.

Chapman, Roland D., Laguan Beach, Calif. Herb tonic. 519,833, Jan. 10; Serial No. 567,829. Class 18.

Cheerio Toys & Games Incorporated, Lockport, N. Y. Paddle balls, tops of the bandalore type, toy airplanes, etc. 519,595, Jan. 10; Serial No. 552,688, published Sept. 20, 1949. Class 22.

Chemola Manufacturing Company, Houston, Tex. Valve grease. 519,804, Jan. 10; Serial No. 525,196. Class 15.

Chernack, Molly, doing business as Gold Chain Exterminators, Brooklyn, N. Y. Insecticides. 519,772, Jan. 10; Serial No. 568,581, published Sept. 6, 1949. Class 6.

Chin, George M., Irvington, N. J. Calculating sliding scale and chart. 519,584, Jan. 10; Serial No. 528,116, published Sept. 13, 1949. Class 26.

Christy Cosmetics Inc., New York, N. Y. Lipsticks. 519,754–5, Jan. 10; Serial Nos. 566,568–9, published Sept. 20, 1949. Class 51.

Church & Dwight Co., Inc., New York, N. Y. Baking soda. 519,805, Jan. 10; Serial No. 526,782. Class 46.

Clark, C. A., Manufacturing Company, Inc., Springfield, Mo. Fish lures. 519,810, Jan. 10; Serial No. 536,238. Class 22.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning water heaters, hot-water heating systems, etc. 278,018, Dec. 2, 1930. Corrected. O. G. Jan. 10. Class 34.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet, laundry, and household soap, soap powder, soap chips, etc. 269,034, renewed Mar. 25, 1950. O. G. Jan. 10. Class 51.

Collins Company, The, Collinsville, Conn. Axes, hatchets, adzes, etc. 266,920, renewed Feb. 11, 1950. O. G. Jan. 10. Class 23.

Colorado Fuel and Iron Corporation, The, Denver, Colo. Hardware. 519,713, Jan. 10; Serial No. 560,604, published Oct. 4, 1949. Class 13.

Columbia Walescraft, Ltd., New York, N. Y. Billfolds, wallets, key cases, card cases, etc. 519,688, Jan. 10; Serial No. 556,076, published Aug. 23, 1949. Class 3.

Columbian Rope Company, Auburn, N. Y. Fabric treated with non-slipping material. 519,557, Jan. 10; Serial No. 510,571, published Sept. 6, 1949. Class 50.

Compania Tabacalera Nacional, S. A., to Por Larrañaga, Fabrica De Tabacos, S. A., Habana, Cuba. Cigars. 268,631, renewed Mar. 18, 1950. O. G. Jan. 10. Class 17.

Cooley Finishing Company, The, to Cooley, Incorporated, Pawtucket, R. I. Waterproof cotton duck or similar awning fabric. 269,076, renewed Mar. 25, 1950. O. G. Jan. 10. Class 42.

Cooley, Incorporated: *See*—
Cooley Finishing Company, The.

Coors, Adolph, Company, Golden, Colo. Beer. 519,643, Jan. 10; Serial No. 547,838, published Oct. 4, 1949. Class 48.

Coty, Inc., New York, N. Y. Lipsticks. 519,827, Jan. 10; Serial No. 564,228. Class 51.

Cox Gelatine Company, The, New York, N. Y. Gelatin. 76,681, re-renewed Feb. 8, 1950. O. G. Jan. 10. Class 46.

Crown Cork Specialty Corporation, Decatur, Ill. Closures for glass and metallic containers. 519,651, Jan. 10; Serial No. 549,316, published Sept. 13, 1949. Class 50.

Crucible Steel Company of America, New York, N. Y. Unfinished and semi-finished metal alloy castings and forgings. 519,591, Jan. 10; Serial No. 530,065, published Mar. 15, 1949. Class 14.

Curtis Companies Incorporated, Clinton, Iowa. Sashes, doors, blinds, etc. 519,653, Jan. 10; Serial No. 549,303, published Sept. 6, 1949. Class 12.

Cussins and Fearn Company, The, Columbus, Ohio. Children's toys, sporting goods. 519,665, Jan. 10; Serial No. 551,864, published Sept. 20, 1949. Class 22.

Cutter Laboratories, Berkeley, Calif. Antigen for the prevention of blackleg in cattle. 519,760, Jan. 10; Serial No. 567,327, published Sept. 6, 1949. Class 18.

Cutter Laboratories, Berkeley, Calif. Antigen for the prevention of anthrax in livestock. 519,761, Jan. 10; Serial No. 567,329, published Sept. 6, 1949. Class 18.

Cutter Laboratories, Berkeley, Calif. Biological immunizing agent. 519,762, Jan. 10; Serial No. 567,330, published Sept. 6, 1949. Class 18.

Cutter Laboratories, Berkeley, Calif. Gonadotropic hormone. 519,763, Jan. 10; Serial No. 567,332, published Sept. 6, 1949. Class 18.

Darworth Incorporated, Simsbury, Conn. Insecticides. 439,324, June 15, 1948. Republished Jan. 10. Class 6.

Delaware Punch Bottling Company, The: *See*—
Ireland, D. J.

Delecto Products Co., San Mateo, Calif. Prepared liquid starch. 519,748, Jan. 10; Serial No. 565,757, published Sept. 6, 1949. Class 6.

Dewey and Almy Chemical Company, Cambridge, Mass. Inflated balloons. 519,553, Jan. 10; Serial No. 501,172, published Sept. 20, 1949. Class 22.

Diamond Match Company, The: *See*—
Berst-Forster-Dixfield Company.
Diamond Match Co., The.

Diamond Match Co., The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 95,307, Feb. 10, 1914. Republished Jan. 10. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 167,347–8, May 1, 1923. Republished Jan. 10. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 170,566, July 17, 1923. Republished Jan. 10. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 170,617–20, July 17, 1923. Republished Jan. 10. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 171,974–5, Aug. 21, 1923. Republished Jan. 10. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 171,994, Aug. 21, 1923. Republished Jan. 10. Class 9.

Dicker, Julius, Astoria, N. Y. Bowling table games. 519,654, Jan. 10; Serial No. 549,518, published Sept. 27, 1949. Class 22.

Dickson Mfg. Co., Providence, R. I. Jewelry for personal wear, arm bands, fobs, etc. 519,662, Jan. 10; Serial No. 550,900, published Oct. 18, 1949. Class 28.

Dorsett-Jones, Inc., Baltimore, Md. Insecticides and insect sprays. 443,665, Jan. 10; Serial No. 503,886, published Aug. 16, 1949. Class 6.

Drew, E. F., & Co., Inc., New York, N. Y. Hydrogenation catalysts. 443,661, Jan. 10; Serial No. 490,750, published June 11, 1946. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Sodium perborate monohydrate. 519,728, Jan. 10; Serial No. 562,921, published Sept. 6, 1949. Class 6.

Earl & Arlington, San Francisco, Calif. Infants' rattles. 519,678, Jan. 10; Serial No. 554,216, published Sept. 27, 1949. Class 22.

Eau de Cologne-& Parfümerie-Fabrik, Glockengasse No. "4711" gegenüber der Pferdedepot von Ferd: *See*—
Mülhens, Peter.

Ed-U-Cards, Inc., New York, N. Y. Educational games of playing cards. 443,664, Jan. 10; Serial No. 502,566, published Sept. 13, 1949. Class 22.

Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. 519,825, Jan. 10; Serial No. 560,689. Class 46.

Enro Shirt Company, The, Louisville, Ky. Dress and negligee shirts, knitted and textile underwear for men, etc. 267,216, renewed Feb. 18, 1950. O. G. Jan. 10. Class 39.

Enterprise Aluminum Company, The, assignee: *See*—
Automatic Drip-O-Lator Company.

Enterprise Engine & Foundry Co., San Francisco, Calif. Relief valve spring barrels, strainer baskets, valve bodies, etc. 443,660, Jan. 10; Serial No. 482,737, published Sept. 20, 1949. Class 13.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 519,597, Jan. 10; Serial No. 533,244, published Oct. 4, 1949. Class 17.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 519,806, Jan. 10; Serial No. 533,243. Class 17.

Esserman Bros., New York, N. Y. Ladies' fur coats. 519,614, Jan. 10; Serial No. 539,141, published Sept. 13, 1949. Class 39.

Eutectic Welding Alloys Corporation, New York, N. Y. Aluminum gas welding rods. 519,769, Jan. 10; Serial No. 568,302, published Oct. 18, 1949. Class 14.

Eutectic Welding Alloys Corporation, New York, N. Y. Metal alloys. 519,770, Jan. 10; Serial No. 568,303, published Oct. 18, 1949. Class 14.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 519,731, Jan. 10; Serial No. 563,061, published Sept. 20, 1949. Class 22.

E-Z Roll Co., West McHenry, Ill. Roller skates and roller skate wheels. 519,794, Jan. 10; Serial No. 507,492. Class 22.

Fabergé Inc., New York, N. Y. Perfume, toilet water, and eau de cologne. 519,646, Jan. 10; Serial No. 548,493, published Sept. 27, 1949. Class 51.

Fahey & Besthoff, Inc., New York, N. Y. Insecticide. 519,704, Jan. 10; Serial No. 559,595, published Sept. 13, 1949. Class 6.

Fairsex Sportswear, Corp., New York, N. Y. Children's teenage, and junior misses' jackets, skirts and suits. 519,711, Jan. 10; Serial No. 560,391, published Sept. 13, 1949. Class 39.

Farer, Benjamin, doing business as The Farer Transportation Company, Waterbury, Conn. Trucking newspapers and magazines. 519,785, Jan. 10; Serial No. 549,722, published Sept. 27, 1949. Class 105.

Farer Transportation Company, The: *See*—
Farer, Benjamin.

Federal Mill & Elevator Co., Inc., to Federal Mill, Inc., Lockport, N. Y. Wheat flour. 262,635, renewed Oct. 15, 1949. O. G. Jan. 10. Class 46.

Federal Mill & Elevator Co., Inc., to Federal Mill, Inc., Lockport, N. Y. Blended wheat and rye flour. 263,504, renewed Nov. 5, 1949. O. G. Jan. 10. Class 46.

Federal Mill, Inc.: *See*—
Federal Mill & Elevator Co., Inc.

Federal Seat Corporation, Long Island City, N. Y. Plastic toilet seats. 519,792, Jan. 10; Serial No. 559,289, published Sept. 20, 1949. Class 13.

Federal Sweets & Biscuit Co., Inc.: *See*—
Taccetta, Anthony.

Feedwater, Inc.: *See*—
Algin Products Corporation.

Felport, Incorporated, New York, N. Y. Visored caps. 519,807, Jan. 10; Serial No. 535,512. Class 39.

Fels & Company, Philadelphia, Pa. Soap. 519,819, Jan. 10; Serial No. 556,789. Class 52.

Fitts Cotton Goods Company, Atlanta, Ga. Textile diapers. 519,703, Jan. 10; Serial No. 559,377, published Sept. 13, 1949. Class 39.

Flintkote Company, The, New York, N. Y. Paints. 258,163, June 28, 1929. Republished Jan. 10. Class 16.

Food Machinery and Chemical Corporation: *See*—
Westvaco Chlorine Products Corporation.

Forest City Foundries Company, The, Cleveland, Ohio. Repair and replacement parts for heating, ventilating, and air conditioning structures. 295,446, July 5, 1932. Republished Jan. 10. Classes 31 and 34.

Franklin Glue Company, The, Columbus, Ohio. Liquid hide glue. 519,612, Jan. 10; Serial No. 538,390, published Sept. 20, 1949. Class 5.

Freit Laboratories, Inc., Jacksonville, Fla. Moisture resisting furniture lubricant and dressing. 519,839, Jan. 10; Serial No. 573,874. Class 15.

Fuld, William: *See*—
Fuld, William A.

Fuld, William A., doing business as William Fuld, Baltimore, Md. Game board. 519,636, Jan. 10; Serial No. 546,217, published Sept. 20, 1949. Class 22.

Gandolfi, L., & Co., Inc., New York, N. Y., by Beverage Distributors, Inc., San Francisco, Calif. Wines. 309,502, Jan. 16, 1934. Republished Jan. 10. Class 47.

Gardner Board and Carton Co., The: *See*—
Gardner-Richardson Company, The.

Gardner-Richardson Company, The, Middletown, Ohio, now by change of name The Gardner Board and Carton Co. Paperboard traps. 519,648, Jan. 10; Serial No. 548,724, published Sept. 13, 1949. Class 50.

Gemex Company: *See*—
Pontiac Company.

General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations thereof. 519,726, Jan. 10; Serial No. 562,692, published Sept. 13, 1949. Class 6.

General Mills, Inc., Wilmington, Del., Minneapolis, Minn. Fatty amines. 519,733, Jan. 10; Serial No. 563,519, published Mar. 8, 1949. Class 6.

General Petroleum Corporation: *See*—
General Petroleum Corporation of California.

General Petroleum Corporation of California, to General Petroleum Corporation, Los Angeles, Calif. Lubricating oils. 265,684, renewed Jan. 7, 1950. O. G. Jan. 10. Class 15.

General Petroleum Corporation of California, to General Petroleum Corporation, Los Angeles, Calif. Petroleum and products of petroleum. 265,854–5, renewed Jan. 7, 1950. O. G. Jan. 10. Class 15.

General Petroleum Corporation of California, to General Petroleum Corporation, Los Angeles, Calif. Petroleum and products of petroleum. 266,081, renewed Jan. 14, 1950. O. G. Jan. 10. Class 15.

Gephart Manufacturing Co., Chicago, Ill. Fishing rods. 519,664, Jan. 10; Serial No. 551,793, published Sept. 20, 1949. Class 22.

Gersten Bros., Inc., New York, N. Y. Wardrobes, cabinets, closets, etc. 519,829, Jan. 10; Serial No. 564,722. Class 32.

Getteiman, A., Brewing Company, Milwaukee, Wis. Beer. 519,835, Jan. 10; Serial No. 568,843. Class 48.

Giant Ladder Brace Co.: *See*—
Jones, Walter L.

Gilbert & Bennett Mfg. Co., The, Georgetown, Conn. Wire netting. 519,615, Jan. 10; Serial No. 539,310, published Sept. 20, 1949. Class 13.

Gilman Paper Company, New York, N. Y. Paper bags. 264,197, Nov. 19, 1929. Republished Jan. 10. Class 2.

Gits Molding Corporation, Chicago, Ill. Poker chips and chess games. 519,566–7, Jan. 10; Serial Nos. 522,627–8, published Sept. 20, 1949. Class 22.

Gits Molding Corporation, Chicago, Ill. Poker chips and chess games. 519,568, Jan. 10; Serial No. 522,634, published Sept. 20, 1949. Class 22.

Giviemme, S. A., Milan, Italy. Perfumes, face powders, toilet waters, etc. 519,624, Jan. 10; Serial No. 542,559, published Aug. 31, 1948. Class 51.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 519,574, Jan. 10; Serial No. 527,055, published Sept. 20, 1949. Class 22.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 519,575, Jan. 10; Serial No. 527,058, published Sept. 20, 1949. Class 22.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 519,576, Jan. 10; Serial No. 527,061, published Sept. 20, 1949. Class 22.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 519,577, Jan. 10; Serial No. 527,074, published Sept. 20, 1949. Class 22.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 519,578, Jan. 10; Serial No. 527,080, published Sept. 20, 1949. Class 22.

Gleason Works, Rochester, N. Y. Machines and apparatus for producing gears and for grinding, lapping and burnishing gears, etc. 512,164, July 12, 1949. Corrected. O. G. Jan. 10. Class 23.

Gold Chain Exterminators: *See*—
Chernack, Molly.

Gordon Bait Company: *See*—
Gordon, Lewis.

Gordon, Lewis, doing business as Gordon Bait Company, Texarkana, Tex. Artificial fish bait. 519,690, Jan. 10; Serial No. 556,260, published Aug. 2, 1949. Class 22.

Gotham Tissue Corporation, Salem, N. Y. Toilet paper and paper facial tissues. 265,889–91, Jan. 7, 1930. Republished Jan. 10. Class 37.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather in the piece. 519,588, Jan. 10; Serial No. 529,040, published Sept. 27, 1949. Class 1.

Gyro Process Company, Detroit, Mich. Hydrocarbon motor-fuel oils, gasoline, and lubricating oils and greases. 262,167, renewed Oct. 1, 1949. O. G. Jan. 10. Class 15.

H. K. Manufacturing Co., Inc., The, New York, N. Y. Ladies' slips, panties, nightgowns, and pajamas. 519,832, Jan. 10; Serial No. 565,777. Class 39.

Hamel, Georges R., Paris, France. Internal combustion motors. 519,792, Jan. 10; Serial No. 503,650. Class 23.

Happy Day Company, Inc., Lafayette, La. Root beer concentrate. 519,831, Jan. 10; Serial No. 565,521. Class 45.

Hartmann Company, Racine, Wis. Hand luggage cases, overnite cases, hat and shoe cases, etc. 519,830, Jan. 10; Serial No. 565,264. Class 3.

Hatch Full Fashioned Hosiery Co., Belmont, N. C. Hosiery. 261,775, Sept. 24, 1929. Republished Jan. 10. Class 39.

Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics. 519,717, Jan. 10; Serial No. 561,116, published Sept. 27, 1949. Class 42.

Hoffmann-La Roche Inc., Nutley, N. J. Analgesic, sedative, and anti-spasmodic preparations. 519,750, Jan. 10; Serial No. 566,231, published Sept. 20, 1949. Class 18.

Holgate Brothers Company, Kane, Pa. Educational toys. 519,667, Jan. 10; Serial No. 552,655, published Sept. 27, 1949. Class 22.

Holli-Ware Company, Chicago, Ill. Brass and copper hollow ware. 443,667, Jan. 10; Serial No. 509,657, published Oct. 4, 1949. Class 13.

Hot Shoppes, Inc., Washington, D. C. Serving of foods and beverages in restaurants. 519,784, Jan. 10; Serial No. 542,588, published Sept. 6, 1949. Class 100.

Hoyle, Joseph, & Son, Limited, Longwood near Huddersfield, England. Woolen piece goods. 519,611, Jan. 10; Serial No. 538,284. Class 42.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Newspaper printing ink. 519,765, Jan. 10; Serial No. 567,787, published Sept. 27, 1949. Class 11.

Huyck, F. C., & Sons, Albany and Rensselaer, N. Y., to F. C. Huyck & Sons, Rensselaer, N. Y. Bed blankets. 268,324, renewed Mar. 11, 1950. O. G. Jan. 10. Class 42.

IVX Laboratories: *See*—
Kross, Charles M.

Independent Milwaukee Brewery, Milwaukee, Wis. Beer. 519,714–15, Jan. 10; Serial Nos. 560,705–6, published Oct. 4, 1949. Class 48.

India Rubber Review Company, The, Akron, Ohio. Periodicals. 266,569, renewed Jan. 28, 1950. O. G. Jan. 10. Class 38.

International Doll Co., Inc., Philadelphia, Pa. Dolls. 443,672, Jan. 10; Serial No. 521,521, published Sept. 13, 1949. Class 22.

Ireland, D. J., doing business as The Delaware Punch Bottling Company, Waco, Tex. Maltless soft drinks and carbonated waters. 519,687, Jan. 10; Serial No. 556,014, published Oct. 4, 1949. Class 45.

Jansen Company, The, Cincinnati, Ohio. Catchup, chile con carne, chili sauce; etc. 267,903, renewed Mar. 4, 1950. O. G. Jan. 10. Class 46.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Sprocket drive chains. 519,604, Jan. 10; Serial No. 535,712, published Sept. 20, 1949. Class 23.

Jenkins, George O., Company, Bridgewater, Mass. Fibreboard in sheet form. 519,716, Jan. 10; Serial No. 560,897, published Sept. 13, 1949. Class 50.

Johns-Manville Corporation, New York, N. Y. Asbestos cellular pipe and boiler covering and asbestos cement. 264,644, renewed Dec. 3, 1949. O. G. Jan. 10. Class 12.

Jones, Walter L., doing business as Giant Ladder Brace Co., Cincinnati, Ohio. Metal ladder braces. 519,663, Jan. 10; Serial No. 551,012, published Sept. 27, 1949. Class 13.

Kerr and Hinz Doll Company, Santa Clara, Calif. Dolls and doll clothes. 519,641, Jan. 10; Serial No. 547,349, published Sept. 27, 1949. Class 22.

Kerr Salt Company, Philadelphia, Pa. Bath salt. 519,631, Jan. 10; Serial No. 545,264, published Sept. 6, 1949. Class 51.

Keystone Tanning and Glue Company: *See*—
Tees, William H.

Kimberly-Clark Corporation, Neenah, Wis. Book paper. 386,789, Apr. 22, 1941. Republished Jan. 10. Class 37.

Kimberly-Clark Corporation, Neenah, Wis. Paper and creped cellulose wadding. 519,573, Jan. 10; Serial No. 526,513, published Sept. 27, 1949. Class 1.

Kip Inc., Los Angeles, Calif. Salves. 519,749, Jan. 10; Serial No. 565,898, published Sept. 6, 1949. Class 18.

Koni, Nicholaus, NewYork, N. Y. Ornamental plaques, statuary busts, animal statuettes, etc. 519,723, Jan. 10; Serial No. 561,674, published Sept. 13, 1949. Class 50.

Kroll Brothers Company, Chicago, Ill. Baby carriages, strollers, gocarts, etc. 262,378, renewed Oct. 8, 1949. O. G. Jan. 10. Class 19.

Kromex Corporation, Cleveland, Ohio. Cover and plate for serving and keeping cakes fresh. 519,629, Jan. 10; Serial No. 543,856, published Oct. 4, 1949. Class 13.

Kross, Charles M., conducting business under the name and style of IVX Laboratories, Brooklyn, N. Y. Pharmaceutical. 519,709, Jan. 10; Serial No. 560,112, published Sept. 6, 1949. Class 18.

Krueger, Richard G., Incorporated, New York, N. Y. Stuffed toy animals. 519,820, Jan. 10; Serial No. 556,896. Class 22.

Ladoga Canning Company: *See*—
Sears & Nichols Corporation, The.

Lancaster Processes, Inc.: *See*—
Robinson, Thomas, Company, Inc.

Langdale Company, The, Valdosta, Ga. Lumber and timber products. 519,683, Jan. 10; Serial No. 555,680, published Sept. 6, 1949. Class 12.

Latrobe Electric Steel Company, Latrobe, Pa. Steel bars, billets, and forgings. 519,697, Jan. 10; Serial No. 558,040, published Oct. 18, 1949. Class 14.

Lazarin Company, The, Oceanside, N. Y. Antibiotic ointment. 519,741, Jan. 10; Serial No. 564,698, published Sept. 13, 1949. Class 18.

Lear Avia, Inc., Dayton, Ohio, by Lear, Incorporated, Grand Rapids, Mich. Aircraft navigational instruments. 389,478, Aug. 5, 1941. Republished Jan. 10. Class 26.

Lear Avia, Inc., Piqua, Ohio, by Lear, Incorporated, Grand Rapids, Mich. Mechanical driving systems. 396,821, Aug. 4, 1942. Republished Jan. 10. Class 23.

Lear Avia, Inc., Piqua, Ohio, by Lear, Incorporated, Grand Rapids, Mich. Radio equipment. 398,987, Dec. 8, 1942. Republished Jan. 10. Class 21.

Lear Avia, Inc., Piqua, Ohio, now by change of name to Lear, Incorporated, by Lear, Incorporated, Grand Rapids, Mich. Mechanical driving systems. 430,080, June 10, 1947. Republished Jan. 10. Class 23.

Lear, Incorporated: *See*—
Lear Avia, Inc.

Lear, Incorporated, Grand Rapids, Mich. Radio receivers and radio receiver-phonograph combinations. 434,738, Dec. 2, 1947. Republished Jan. 10. Class 21.

Lee, Francine, Frocks, Inc., New York, N. Y. Dresses. 443,675, Jan. 10; Serial No. 491,003. Class 39.

Lemlar Manufacturing Co.: *See*—
Miller, Lee.

Levine, Theodore, doing business as The Myalora Co., Brooklyn, N. Y. Hair and scalp preparations. 519,675, Jan. 10; Serial No. 553,873, published Sept. 6, 1949. Class 51.

Lewis, Gilbert, doing business as Lewis-Perry Preparations, Henryetta, Okla. Preparation for ague, chills, fever, etc. 519,799, Jan. 10; Serial No. 514,710. Class 18.

Lewis-Perry Preparations: *See*—
Lewis, Gilbert.

Liberty Bottling Company: *See*—
Lotti, Henry.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 519,676, Jan. 10; Serial No. 553,879, published Sept. 20, 1949. Class 18.

Linen Thread Company, The, New York, N. Y., to The Linen Thread Co., Inc., Paterson, N. J. Machine linen thread. 267,470, renewed Feb. 18, 1950. O. G. Jan. 10. Class 43.

Linen Thread Co., Inc., The: *See*—
Linen Thread Company, The.

Live Food Products Co.: *See*—
Bragg, Paul C.

Lo-Calory Food Corporation, New York, N. Y. Preparation for the relief of allergy distress. 519,826, Jan. 10; Serial No. 561,204. Class 18.

Loce, Joseph, Inc., New York, N. Y. Girls' dresses, skirts, jackets and coats. 519,815, Jan. 10; Serial No. 554,236. Class 39.

Lotti, Henry, doing business as Liberty Bottling Company, Memphis, Tenn. Nonalcoholic, maltless, soft drinks. 443,659, Jan. 10; Serial No. 470,204, published Oct. 4, 1949. Class 45.

Lowill Watch Company, The: *See*—
Perloff, Louis.

Lubin-Weaker Co. Inc., New York, N. Y. Men's pajamas. 519,658, Jan. 10; Serial No. 549,938, published Sept. 20, 1949. Class 39.

Lubrax Oil Corporation, Brooklyn, N. Y. Lubricating oils. 265,786, Jan. 7, 1930. Republished Jan. 10. Class 15.

Lydon-Bricher Manufacturing Company, St. Paul, Minn. Protective table pads, and luncheon mats. 519,610, Jan. 10; Serial No. 536,937, published Sept. 13, 1949. Class 50.

Lyons-Magnus, Incorporated, San Francisco, Calif. Soda fountain syrups. 519,668, Jan. 10; Serial No. 553,292, published May 10, 1949. Class 45.

Macy, R. H., & Co., Inc., New York, N. Y. Nonalcoholic, maltless, carbonated coffee beverage. 519,744, Jan. 10; Serial No. 565,276, published Oct. 11, 1949. Class 45.

Mailing Brothers, Inc., Chicago, Ill. Hosiery. 519,600, Jan. 10; Serial No. 533,909, published July 6, 1948. Class 39.

Mallinckrodt Chemical Works, St. Louis, Mo. Contrast media for X-ray diagnosis. 519,732, Jan. 10; Serial No. 563,266, published Sept. 6, 1949. Class 6.

Manhattan Soap Company, Inc., New York, N. Y. Steel wool and soap. 269,040, renewed Mar. 25, 1950. O. G. Jan. 10. Class 4.

Marine Optical Mfg. Co., Boston, Mass. Optical frames. 519,764, Jan. 10; Serial No. 567,641, published Sept. 13, 1949. Class 26.

Mark Jewelry Co., The, by A. Woronock & Son, New York, N. Y. Finger rings, bracelets and broaches. 273,420, Aug. 5, 1930. Republished Jan. 10. Class 28.

Markwell Mfg. Co., Inc., New York, N. Y. Metal eyelets and washers, hamper hooks, stencil and marking pots, etc. 258,447, renewed July 9, 1949. O. G. Jan. 10. Class 13.

Master Ladder Bracket Co.: *See*—
Bucher, Simon.

Mayalora Co., The: *See*—
Levine, Theodore.

McClintock-Trunkey Co., The, Spokane, Wash. Canned tuna fish, butter, coffee, etc. 250,097, Nov. 27, 1928. Republished Jan. 10. Class 46.

Meinecke, Howard D., Chicago, Ill. Cold swelling starch. 519,791, Jan. 10; Serial No. 501,078. Class 6.

Melflex Products Company, Inc., Akron, Ohio. Floor mats and matting and stair treads. 519,647, Jan. 10; Serial No. 548,599, published Sept. 13, 1949. Class 50.

Menley & James, Limited, New York, N. Y. Prophylactic and lodin preparations. 519,718, Jan. 10; Serial No. 561,323, published Sept. 20, 1949. Class 18.

Metals & Controls Corporation: *See*—
Spencer Thermostat Company.

Mexico Refractories Company, Mexico, Mo. Firebrick. 519,622, Jan. 10; Serial No. 541,866, published Sept. 20, 1949. Class 12.

Meyer & Studell, Société Anonyme, Soleure, Switzerland. Clocks, parts of clocks, clockworks, etc. 262,750, renewed Oct. 22, 1949. O. G. Jan. 10. Class 27.

Mid-States Sales, Muncie, Ind. Agricultural implements. 519,813, Jan. 10; Serial No. 542,327. Class 23.

Mid-West Bottle Cap Co., Belvidere, Ill. Milk bottle caps. 519,613, Jan. 10; Serial No. 538,798, published Sept. 13, 1949. Class 50.

Mid-West Bottle Cap Co., Belvidere, Ill. Dairy bottle caps. 519,725, Jan. 10; Serial No. 562,616, published Sept. 13, 1949. Class 50.

Miller, Lee, doing business as Lemlar Manufacturing Co., and also under the fictitious name and style of Lee Miller Company, Gardena, Calif. Metal awnings. 519,602, Jan. 10; Serial No. 534,647, published Sept. 13, 1949. Class 12.

Miller, Lee, Company: *See*—
Miller, Lee.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature measuring and regulating switches. 519,582, Jan. 10; Serial No. 527,971, published Sept. 13, 1949. Class 26.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic regulating and controlling switches. 519,589, Jan. 10; Serial No. 529,483, published Sept. 13, 1949. Class 26.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. High strength adhesive film. 519,756, Jan. 10; Serial No. 566,994, published Sept. 27, 1949. Class 5.

Mitchell Wing Company, Boston, Mass. Mixture of soap with other detergent materials. 263,913, Nov. 12, 1929. Corrected. O. G. Jan. 10. Class 4.

Moorman Manufacturing Company, Quincy, Ill. Chemical preparation for use in expelling worms in hogs. 519,801, Jan. 10; Serial No. 518,027. Class 18.

Mt. Shasta Mineral Spring Co., to The Shasta Water Company, San Francisco, Calif. Natural mineral water. 74,564, re-renewed July 20, 1949. O. G. Jan. 10. Class 45.

Mülhens, Peter, doing business as Eau de Cologne- & Parfümerie-Fabrik, Glockengasse No. "4711" gegenüber der pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany, vested in the Attorney General of the United States, Washington, D. C., and renewed to him. Soaps, toilet soaps, shaving soap, etc. 262,849, renewed Oct. 29, 1949. O. G. Jan. 10. Class 51.

Mutual Products Co., Minneapolis, Minn. Suckling device for feeding liquids. 519,692, Jan. 10; Serial No. 557,151, published Sept. 6, 1949. Class 50.

Naimoli, Adele E., New York, N. Y. Scalp cream. 519,727, Jan. 10; Serial No. 562,724, published Aug. 30, 1949. Class 51.

Nancy Ann Storybook Dolls, Inc., San Francisco, Calif. Dressed dolls. 519,625, Jan. 10; Serial No. 542,630, published Sept. 27, 1949. Class 22.

National Association of Real Estate Boards, Chicago, Ill. Brokerage of real estate, industrial brokerage, farm brokerage, mortgage brokerage. 519,789–90, Jan. 10; Serial Nos. 540,013–14, published Sept. 13, 1949. Class 102.

National Biscuit Company, New York, N. Y. House publication. 264,402, renewed Nov. 26, 1949. O. G. Jan. 10. Class 38.

National Drug Company, The, Philadelphia, Pa. Resin-containing antacid composition. 519,752, Jan. 10; Serial No. 566,532, published Sept. 27, 1949. Class 18.

National Glove Company, The, Columbus, Ohio. Gloves. 259,305, renewed July 30, 1949. O. G. Jan. 10. Class 39.

National Glove Company, The, Columbus, Ohio. Gloves. 260,145, renewed Aug. 20, 1949. O. G. Jan. 10. Class 39.

National Pressure Cooker Company, Eau Claire, Wis. Outboard motors. 519,696, Jan. 10; Serial No. 557,763, published Sept. 6, 1949. Class 23.

National Trailways Bus System, Chicago, Ill. Passenger motorbus transportation service. 519,783, Jan. 10; Serial No. 538,061, published Aug. 16, 1949. Class 105.

Neilson Chemical Company, Detroit, Mich. Chemical preparation for removing dust, etc. 519,793, Jan. 10; Serial No. 504,199. Class 52.

New England Confectionery Company: *See*—
New England Confectionery Co.

New England Confectionery Co., Portland, Maine, and Boston, Mass., to New England Confectionery Company, Cambridge, Mass. Candy lozenges. 75,706, re-renewed Nov. 2, 1949. O. G. Jan. 10. Class 46.

New England Confectionery Company, Cambridge, Mass. Candy. 263,952, renewed Nov. 12, 1949. O. G. Jan. 10. Class 46.

New York Bar Supply Co., doing business as White Cap Distributors, New York, N. Y. Nonalcoholic preparation for producing foam, froth, or "creamy head" to alcoholic beverages and cocktails. 519,816, Jan. 10; Serial No. 564,245. Class 45.

New York Merchandise Company, Inc., New York, N. Y. Men's shaving and toilet sets. 519,564, Jan. 10; Serial No. 520,175, published Sept. 13, 1949. Class 50.

Noack, Walter G., Oakland, Calif., to Walter G. Noack & Son, Inc., Stockton, Calif. Irrigation pumps, pumping systems and water-pressure systems, etc. 265,028, renewed Dec. 10, 1949. O. G. Jan. 10. Class 23.

Noack, Walter G., & Son, Inc.: *See*—
Noack, Walter G.

North & Judd Manufacturing Company, New Britain, Conn. Rope hitches. 519,587, Jan. 10; Serial No. 528,941, published Sept. 27, 1949. Class 13.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Ferro-magnetic core and shielding materials. 519,694, Jan. 10; Serial No. 557,380, published Sept. 6, 1949. Class 14.

North Carolina Finishing Company, Salisbury, N. C. Bleaching, dyeing, and shrinking textile fabrics. 519,781, Jan. 10; Serial No. 535,175, published Sept. 20, 1949. Class 106.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Hemostatic therapeutic substance. 519,758, Jan. 10; Serial No. 567,087, published Sept. 6, 1949. Class 18.

NuBone Company, Inc., The, Erie, Pa. Corsets. 259,566, renewed July 30, 1949. O. G. Jan. 10. Class 39.

Oathout, Guy R., doing business as Ace Mfg. Company, Fort Atkinson, Wis. Fishing nets. 443,670, Jan. 10; Serial No. 519,488, published Sept. 20, 1949. Class 22.

O-Cedar Corp'n, Chicago, Ill. Dust mops. 519,619, Jan. 10; Serial No. 541,766, published Oct. 4, 1949. Class 29.

O-Cedar Corp'n, Chicago, Ill. Dust mops. 519,620, Jan. 10; Serial No. 541,768, published Sept. 27, 1949. Class 29.

Ohio Brass Company, The, Mansfield, Ohio. Welding rods of metal. 519,775, Jan. 10; Serial No. 568,860, published Oct. 18, 1949. Class 14.

Olin Industries, Inc., East Alton, Ill. Frangible targets. 519,581, Jan. 10; Serial No. 527,754, published Sept. 20, 1949. Class 22.

Omar, Inc., New York, N. Y. Base metal initials. 519,657, Jan. 10; Serial No. 549,745, published Oct. 18, 1949. Class 28.

Omnium Arts et Industrie, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. 519,720–1, Jan. 10; Serial Nos. 561,578–9, published Sept. 20, 1949. Class 51.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. 519,569, Jan. 10; Serial No. 523,988, published Mar. 29, 1949. Class 28.

Ostbye and Anderson, Minneapolis, Minn. Finger rings. 519,777, Jan. 10; Serial No. 571,741, published Sept. 20, 1949. Class 28.

Overholt, A., & Company, to A. Overholt & Co., Inc., Broad Ford, Pa. Whiskey. 268,132, renewed Mar. 11, 1950. O. G. Jan. 10. Class 49.

Overholt, A., & Company, to A. Overholt & Co., Inc., Broad Ford, Pa. Whiskey. 269,180, renewed Mar. 25, 1950. O. G. Jan. 10. Class 49.

Overholt, A., & Co., Inc.: *See*—
Overholt, A., & Company.

Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. 519,679, Jan. 10; Serial No. 554,589, published Oct. 4, 1949. Class 17.

Owl Drug Co., The, San Francisco, to The Owl Drug Co., Los Angeles, Calif. Salves, lotions, face-creams, etc. 75,770, re-renewed Nov. 16, 1949. O. G. Jan. 10. Class 51.

P & K Incorporated, Chicago, Ill. Fish baits. 519,693, Jan. 10; Serial No. 557,307, published Sept. 27, 1949. Class 22.

Paragon Spring Company, Chicago, Ill. Springs for all purpose mechanical uses. 519,598, Jan. 10; Serial No. 533,605, published Oct. 4, 1949. Class 13.

Parco Products Company: *See*—
Parrott, Lucy L.

Parfumerie & Savonnerie Gilot, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouges, and lipsticks. 519,556, Jan. 10; Serial No. 508,238, published Sept. 6, 1949. Class 51.

Parisi, Jules T., doing business as Pekay Machine Co., Chicago, Ill. Automatic unloaders. 519,558, Jan. 10; Serial No. 511,636, published Sept. 13, 1949. Class 26.

Parkitsafe Company, Miami Beach, Fla. Ash trays. 519,649, Jan. 10; Serial No. 549,269, published Aug. 30, 1949. Class 8.

Parkitsafe Company, Miami Beach, Fla. Ash trays. 519,650, Jan. 10; Serial No. 549,271, published Aug. 30, 1949. Class 8.

Parrott, Lucy L., doing business as Parco Products Company, East Greenville, Pa. Portable thermally insulated metal containers. 519,802, Jan. 10; Serial No. 523,606. Class 2.

Patterson, Roy L., doing business as Roto-Flo Mfg. Co., Camden Station, Minn. Mechanical distributor. 519,583, Jan. 10; Serial No. 528,075, published Sept. 20, 1949. Class 23.

Pekay Machine Co.: *See*—
Parisi, Jules T.

Perfect Circle Corporation, Hagerstown, Ind. Advertising novelty in the nature of a mechanical sign. 519,705, Jan. 10; Serial No. 559,727, published Sept. 13, 1949. Class 50.

Perloff, Louis, doing business as The Lowill Watch Company, Philadelphia, Pa. Clocks and watches and parts thereof. 519,689, Jan. 10; Serial No. 556,216, published Oct. 18, 1949. Class 27.

Poe, Ralph W., Canton, Ill. Hand tools. 519,639, Jan. 10; Serial No. 546,789, published Sept. 13, 1949. Class 23.

Polk, J. T., Co.: *See*—
Sears & Nichols Corporation, The.

Pollak Steel Company, The, Cincinnati, Ohio. Metal fence posts. 519,797, Jan. 10; Serial No. 511,106. Class 13.

Pond's Extract Company, New York, N. Y., and elsewhere. Face powder. 443,663, Jan. 10; Serial No. 501,869, published Nov. 18, 1947. Class 51.

Pontiac Company, Newark, by Gemex Company, Union, N. J. Clocks, watches, and watchcases. 344,763, Apr. 6, 1937. Republished Jan. 10. Class 27.

Poorman, John E., Philadelphia, Pa. Machine metal lathe and plane tools. 519,680, Jan. 10; Serial No. 554,597, published Sept. 13, 1949. Class 23.

Por Larranaga, Fabrica De Tabacos, S. A.: *See*—
Compania Tabacale a Nacional, S. A.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo preparations. 519,640, Jan. 10; Serial No. 546,872, published Aug. 23, 1949. Class 52.

Production Management Engineering Associates, Inc., San Francisco, Calif. Advising business organizations. 519,840, Jan. 10; Serial No. 531,715. Class 101.

Prudential Insurance Company of America, The, Newark, N. J. Underwriting of individual and group life insurance. 519,779, Jan. 10; Serial No. 530,019, published Sept. 13, 1949. Class 102.

Public Service Company of Colorado, Denver, Colo. Public utility services. 519,782, Jan. 10; Serial No. 537,235, published Sept. 20, 1949. Class 100.

Pure Oil Company, The, Chicago, Ill. Automobile radiator cooling system chemical cleaner, etc. 514,259, Aug. 23, 1949. Corrected. O. G. Jan. 10. Class 6.

Quality Wafer & Specialty Co.: *See*—
Taccetta, Anthony.

Ram Lighters, Inc., Newark, N. J. Pyrophoric cigarette lighters. 519,661, Jan. 10; Serial No. 550,612, published Aug. 30, 1949. Class 8.

Rapid Roller Co., Chicago, Ill. Lithographic offset blankets, drawsheet and gravure impression blankets. 519,618, Jan. 10; Serial No. 541,707, published Sept. 13, 1949. Class 50.

Regal Specialty Mfg. Co.: *See*—
Baker, Milton.
Research Laboratories, Inc., Portland, Oreg. Pharmaceutical preparation. 519,822, Jan. 10; Serial No. 557,559. Class 18.
Ribbonwriter Corporation of America, Fort Lauderdale, Fla. Typewriter ribbons. 519,729, Jan. 10; Serial No. 562,959, published Oct. 4, 1949. Class 11.
Richter, W. H., & Co.: *See*—
Richter, William H.
Richter, William H., doing business as W. H. Richter & Co., Peoria, Ill. Liniment. 519,828, Jan. 10; Serial No. 564,583. Class 18.
Ritter Company, Inc.: *See*—
Ritter Dental Manufacturing Company, Inc.
Ritter Dental Manufacturing Company, Inc., by Ritter Company, Inc., Rochester, N. Y. Dental appliances. 263,821–2, Nov. 12, 1929. Republished Jan. 10. Class 44.
River Brand Rice Mills, Inc.: *See*—
Southern Rice Sales Company, Inc.
Robbins & Myers, Inc., Springfield, Ohio. Rotary pumps, compressors, hand hoists, etc. 519,580, Jan. 10; Serial No. 527,565, published Sept. 20, 1949. Class 23.
Robeson Process Company, New York, N. Y. Chemical compound. 519,695, Jan. 10; Serial No. 557,391, published Aug. 30, 1949. Class 6.
Robinson, Thomas, Company, Inc., assignor to Lancaster Processes, Inc., New York, N. Y. Wax emulsion. 519,700, Jan. 10; Serial No. 558,766, published Sept. 20, 1949. Class 6.
Robinson, Wm. C., & Son Co., Baltimore, Md. Lubricating oils. 519,808, Jan. 10; Serial No. 535,749. Class 15.
Rochester Shoe Tree Co., Inc., Rochester, N. Y. Shoe trees. 519,608, Jan. 10; Serial No. 536,291, published Sept. 13, 1949. Class 50.
Roddis Lumber and Veneer Co., Marshfield, Wis., now by change of name Roddis Plywood Corporation. Wooden doors. 519,570, Jan. 10; Serial No. 524,018, published Sept. 6, 1949. Class 12.
Roddis Plywood Corporation: *See*—
Roddis Lumber and Veneer Co.
Rogahn, Albert T., doing business as Ollie Rogahn Bowlers Shop, Milwaukee, Wis. Bowling balls. 519,818, Jan. 10; Serial No. 556,369. Class 22.
Rogahn, Ollie, Bowlers Shop: *See*—
Rogahn, Albert T.
Rogers Imports Inc., New York, N. Y. Tobacco pouches, cigar, cigarette, and pipe cases, etc. 519,554, Jan. 10; Serial No. 502,719, published Sept. 27, 1949. Class 8.
Rogers, Lunt & Bowlen Company, Greenfield, Mass. Knives, forks, spoons, tongs, etc. 519,630, Jan. 10; Serial No. 544,112, published Oct. 18, 1949. Class 28.
Rogers Peet Company, New York, N. Y. Men's and boys' outer suits and overcoats. 349,054, Aug. 17, 1937. Republished Jan. 10. Class 39.
Rohm & Haas Company, Philadelphia, Pa. Binder suitable for use in the dyeing and printing of textiles. 519,778, Jan. 10; Serial No. 574,463, published Sept. 6, 1949. Class 6.
Rose, E. W., Company, The, Cleveland, Ohio. Remedy to relieve itching of dogs. 519,746, Jan. 10; Serial No. 565,582, published Sept. 27, 1949. Class 6.
Rosedale Knitting Company, Reading, Pa. Hosiery. 443,674, Jan. 10; Serial No. 490,702. Class 39.
Rote-Flo Mfg. Co.: *See*—
Patterson, Roy I.
Royal Baking Powder Company, New York, N. Y. Baking-powder. 78,828, July 12, 1910. Amended. O. G. Jan. 10. Class 6.
Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt roll roofings and shingles. 519,642, Jan. 10; Serial No. 547,777, published Sept. 6, 1949. Class 12.
Rumble, C. B., & Sons, by C. B. Rumble & Sons (1949), Salida, Calif. Fresh deciduous fruits, etc. 323,086, Apr. 2, 1935. Republished Jan. 10. Class 46.
Rumble, C. B., & Sons (1949): *See*—
Rumble, C. B., & Sons.
Russell Manufacturing Co., Caro, Mich. Shoe attachments for cultivators. 519,800, Jan. 10; Serial No. 516,220. Class 23.
Sampsel Time Control, Inc., Spring Valley, Ill. Automatic control switches. 519,609, Jan. 10; Serial No. 536,551, published Sept. 13, 1949. Class 26.
Sander Engraving Co., The, Chicago, Ill. Engraved wooden blocks. 519,681, Jan. 10; Serial No. 535,308, published Sept. 13, 1949. Class 50.
Sarkin, David, Inc., New York, N. Y. Gold and platinum jewelry. 519,645, Jan. 10; Serial No. 548,412, published Oct. 18, 1949. Class 28.
Scala Mfg. Co., Inc., Brooklyn, N. Y. Tricycles. 519,637, Jan. 10; Serial No. 546,434, published Sept. 13, 1949. Class 22.
Schenley Distilleries, Inc.: *See*—
Schenley Distillers Corporation.
Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc., assignee of Schenley Distilleries, Inc. Whiskey. 519,798, Jan. 10; Serial No. 511,111. Class 49.
Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Noncorrosive metals. 252,370, Feb. 5, 1929. Republished Jan. 10. Class 14.
Schreiber Milling & Grain Co., to Schreiber Mills, Inc., St. Joseph, Mo. Poultry feed. 268,710, renewed Mar. 18, 1950. O. G. Jan. 10. Class 46.
Schreiber Milling & Grain Co., to Schreiber Mills, Inc., St. Joseph, Mo. Livestock and poultry feed. 268,711, renewed Mar. 18, 1950. O. G. Jan. 10. Class 46.
Schreiber Mills, Inc.: *See*—
Schreiber Milling & Grain Co.
Scovill Manufacturing Company, Waterbury, Conn. Common pins. 263,744, Nov. 12, 1929. Republished Jan. 10. Class 40.
Seal, Incorporated, Shelton, Conn. Heat sealing mounting tissue for photographs. 519,710, Jan. 10; Serial No. 560,356, published Sept. 13, 1949. Class 5.
Searle, G. D., & Co., Chicago, Ill. Iodized and chlorinated oil for X-ray diagnosis and iodine medication. 519,701, Jan. 10; Serial No. 558,943, published Sept. 20, 1949. Class 18.
Sears & Nichols Corporation, The, doing business as J. T. Polk Co., Chillicothe, Ohio, to Ladoga Canning Company, Indianapolis, Ind. Canned vegetables. 259,655, renewed Aug. 6, 1949. O. G. Jan. 10. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Thermostats, time (clock) thermostats, water gauges, etc. 519,660, Jan. 10. Serial No. 550,449, published Sept. 13, 1949. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Precious metal jewelry. 519,719. Jan. 10; Serial No. 561,504, published Oct. 18, 1949. Class 28.
Sebel, D., & Company Limited, London, England. Roller skates, three-and four-wheeled velocipedes, swings, round-abouts, etc. 443,669, Jan. 10; Serial No. 518,783, published Sept. 20, 1949. Class 22.
Sexauer, J. A., Mfg. Co. Inc., New York, N. Y. Pipe joint cement. 519,632, Jan. 10; Serial No. 545,288, published Sept. 6, 1949. Class 12.
Sharff, Lee E., Falls Church, Va. Unfinished base metal blanks. 519,736. Jan. 10; Serial No. 564,164, published Sept. 6, 1949. Class 14.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Diuretic. 519,753. Jan. 10; Serial No. 566,549, published Sept. 6, 1949. Class 18.
Shasta Water Company, The: *See*—
Mt. Shasta Mineral Spring Co.
Shasta Water Company, The, San Francisco, Calif. Nonalcoholic, noncereal, maltless beverages. 258,548, renewed July 9, 1949. O. G. Jan. 10. Class 45.
Shasta Water Company, The, San Francisco, Calif. Nonalcoholic, maltless beverages. 262,428, renewed Oct. 8, 1949. O. G. Jan. 10. Class 45.
Shelby Manufacturing Co., New York, N. Y. House dresses. 519,623, Jan. 10; Serial No. 542,402, published Sept. 20, 1949. Class 39.
Sherwin-Williams Company, The, Cleveland, Ohio. Leaded zinc, zinc oxide, lithopone, etc. 443,673, Jan. 10; Serial No. 524,728, published Sept. 27, 1949. Class 1.
Siegel, A. L., Co., Inc., New York, N. Y. Covers made from plastic film. 519,633, Jan. 10; Serial No. 545,396, published Sept. 13, 1949. Class 50.
Simmon, Margaret S., New York, N. Y. Cosmetic protector. 519,768, Jan. 10; Serial No. 568,077, published Sept. 27, 1949. Class 39.
Simmons Company, New York, N. Y. Box springs. 266,690, renewed Jan. 18, 1950. O. G. Jan. 10. Class 32.
Sloan Valve Company, Chicago, Ill. Flush valves. 284,211. June 16, 1931. Republished Jan. 10. Class 13.
Smith, Howard, doing business as Brentwood Distributors, New York, N. Y. Liquid preparation. 519,724. Jan. 10; Serial No. 562,160, published Sept. 6, 1949. Class 6.
Smith Products: *See*—
Smith, Vern C.
Smith, Vern C., doing business as Smith Products, Washougal, Wash. Preparation to be used as a dressing on the manes and tails of horses. 519,817, Jan. 10; Serial No. 555,634. Class 51.
Smooth-On Manufacturing Company, Jersey City, N. J. Iron compound in the form of a dry powder, etc. 34,161, re-renewed Feb. 6, 1950. O. G. Jan. 10. Class 12.
Sommer & Kaufmann: *See*—
Sommer & Kaufmann, Inc.
Sommer & Kaufmann, Inc., to Sommer & Kaufmann, San Francisco, Calif. Footwear. 263,891, renewed Nov. 12, 1949. O. G. Jan. 10. Class 39.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. 519,795, Jan. 10; Serial No. 508,864. Class 2.
Southern Rice Sales Company, Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice. 265,060, Dec. 17, 1929. Republished Jan. 10. Class 46.
Southern Rice Sales Company, Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice. 265,093, Dec. 17, 1929. Republished Jan. 10. Class 46.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. 519,638, Jan. 10; Serial No. 546,523, published Sept. 27, 1949. Class 22.
Sparhawk, Charles V., doing business as Sparhawk Company, Sparkill, N. Y. Pest repellent compositions. 443,676. Jan. 10: Serial No. 507,663. Class 6.
Sparhawk Company: *See*—
Sparhawk, Charles V.

Spencer Thermostat Company, assignor to Metals & Controls Corporation, Attleboro, Mass. Temperature and pressure relief valves. 519,579, Jan. 10; Serial No. 527,474, published Mar. 1, 1949. Class 13.
Sperry and Hutchinson Company, The, New York, N. Y. Merchandising service. 519,780, Jan. 10; Serial No. 532,515, published Sept. 20, 1949. Class 101.
Sportsman Aid Corp., Riverside, Ill. Reed type sound instruments. 519,592, Jan. 10; Serial No. 530,345, published Sept. 27. 1949. Class 22.
Spyco Smelting & Refining Company, Minneapolis, Minn. Precious metals for industrial and scientific use. 519,666, Jan. 10; Serial No. 552,370, published Sept. 20, 1949. Class 14.
Squirrel Brand Co., The: *See*—
Squirrel Brand Company, The.
Squirrel Brand Company, The, to The Squirrel Brand Co., Cambridge, Mass. Cracket nuts, nut-meats, and salted nuts, etc. 76,187, re-renewed Dec. 21, 1949. O. G. Jan. 10. Class 46.
Staley, A. E., Manufacturing Company, Decatur, Ill. Nutrient media. 519,563, Jan. 10; Serial No. 519,838, published Sept. 6, 1949. Class 6.
Standard Paper Company, by Standard Paper Company (1930), Indianapolis, Ind. Toilet paper. 99,068, Aug. 11, 1914. Republished Jan. 10. Class 37.
Standard Paper Company (1930): *See*—
Standard Paper Company.
Star Expansion Bolt Company, New York, N. Y. Masonry drills. 264,317, renewed Nov. 26, 1949. O. G. Jan. 10. Class 23.
Statler Mfg. Co., Chicago, Ill. Toy steering wheel. 519,670, Jan. 10; Serial No. 553,647, published Sept. 20, 1949. Class 22.
Strawbridge & Clothier, Philadelphia, Pa. Highboys, lowboys, smoking stands, desks, etc. 259,578, Aug. 6, 1929. Republished Jan. 10. Class 32.
Strickland, J., and Co., Memphis, Tenn. Perfume. 519,735. Jan. 10; Serial No. 563,762, published Sept. 6, 1949. Class 51.
Strobo Research, Milwaukee, Wis. Photographic equipment. 519,555, Jan. 10; Serial No. 503,333, published Sept. 13, 1949. Class 26.
Stroh Brewery Company, The, Detroit, Mich. Beer. 519,767, Jan. 10; Serial No. 568,006, published Oct. 4, 1949. Class 48.
Strouse, Adler Company, The, New Haven, Conn. Women's foundation garments. 519,821, Jan. 10; Serial No. 557,086. Class 39.
Strut, Incorporated: *See*—
Augat, Ernest H.
Sutton, O. A., Corporation, Inc., The, Wichita, Kans. Electric fans. 509,417, May 3, 1949. Amended. O. G. Jan. 10. Class 21.
Swartz, Mark A., doing business as Atlantic Fabrics Co., Boston, Mass. Fibrous material. 519,823, Jan. 10; Serial No. 558,080. Class 50.
Synthetic Chemicals, Inc., Paterson, N. J. Chemical agent. 519,644, Jan. 10; Serial No. 547,947, published Aug. 16, 1949. Class 6.
Taccetta, Anthony, doing business as Quality Wafer & Specialty Co., New York, N. Y., to Federal Sweets & Biscuit Co., Inc., Clifton, N. J. Sugar wafers. 265,067, renewed Dec. 17, 1949. O. G. Jan. 10. Class 46.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist and smoking tobacco. 519,571. Jan. 10; Serial No. 525,433, published Oct. 4, 1949. Class 17.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist and smoking tobacco. 519,572. Jan. 10; Serial No. 525,451, published Oct. 4, 1949. Class 17.
Taylor & Sledd, Incorporated, Richmond, Va. Grape juice. 519,759, Jan. 10; Serial No. 567,283, published Oct. 11, 1949. Class 45.
Tear, William H., Ridgeway Pa., to Keystone Tanning and Glue Company, New York, N. Y. Hide powder. 76,824, re-renewed Feb. 15, 1950. O. G. Jan. 10. Class 6.
Textileather Corporation, Toledo, Ohio. Coated fabrics and resinous sheet material. 519,698, Jan. 10; Serial No. 558,261, published Sept. 13, 1949. Class 50.
Tobin, Jack, Inc., Philadelphia, Pa. Children's dresses. 519,565, Jan. 10; Serial No. 522,271, published May 25, 1948. Class 39.
Tobin, R. R., Tobacco Co., Detroit, Mich. Pipe tobacco. 519,673, Jan. 10; Serial No. 553,755, published Oct. 4, 1949. Class 17.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Hose nozzle control valve. 519,586, Jan. 10; Serial No. 528,659, published Oct. 4, 1949. Class 13.
Tourneau, Inc., New York, N. Y., assignee of Tourneau, Watch bracelets, bands, lapel ornaments, pin ornaments, etc. 519,550, Jan. 10; Serial No. 478,561, published Oct. 18, 1949. Class 28.
Tyrer, Thomas, & Company Limited, Stratford, England. Chemicals. 519,691, Jan. 10; Serial No. 556,608, published Sept. 6, 1949. Class 6.
Unitog Company: *See*—
Unitog Manufacturing Company, The.
Unitog Manufacturing Company, The, to Unitog Company, Kansas City, Mo. Work and play clothing. 267,670, renewed Feb. 25, 1950. O. G. Jan. 10. Class 39.
Upjoin Company, The, Kalamazoo, Mich. Medicinal preparation. 519,706–7, Jan. 10; Serial Nos. 559,963–4, published Sept. 20, 1949. Class 18.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 519,708, Jan. 10; Serial No. 559,965, published Sept. 6, 1949. Class 18.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 519,737, Jan. 10; Serial No. 564,226, published Sept. 20, 1949. Class 18.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 519,796, Jan. 10; Serial No. 509,683. Class 18.
Valway Rug Mills, Inc., to Callaway Mills Company, La Grange, Ga. Rugs. 267,373, renewed Feb. 18, 1950. O. G. Jan. 10. Class 42.
Varney Scale Models, Chicago, Ill. Model kits, equipment, and supplies. 519,596, Jan. 10; Serial No. 533,217, published Sept. 20, 1949. Class 22.
Vetter, George W., Wilmette, Ill. Pants and skirt hangers. 519,655, Jan. 10; Serial No. 549,682, published Sept. 6, 1949. Class 50.
Wallace Laboratories, Inc., New York, N. Y. Preparation in the form of an ointment. 519,745, Jan. 10; Serial No. 565,389, published Sept. 6, 1949. Class 18.
Webb Products Company, San Bernardino, Calif. Waterproof, liquid, general purpose adhesive cements. 519,757, Jan. 10; Serial No. 567,061, published Sept. 27, 1949. Class 5.
Western Laboratories, Inc., Burbank, Calif. Vehicle or varnish for printers' inks. 519,776, Jan. 10; Serial No. 568,882, published Sept. 27, 1949. Class 11.
Westinghouse Electric Corporation, East Pittsburgh, Pa. High temperature alloys. 443,668, Jan. 10; Serial No. 517,941, published Sept. 6, 1949. Class 14.
Westvaco Chlorine Products Corporation, New York, N. Y., South Charleston, W. Va., and Newark, Calif, now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y. Insecticide. 519,812, Jan. 10; Serial No. 540,345. Class 6.
West Virginia Rail Company, The, by West Virginia Steel and Manufacturing Company, Huntington, W. Va. Rail sections. 255,442, Apr. 23, 1929. Republished Jan. 10. Class 12.
West Virginia Steel and Manufacturing Company: *See*—
West Virginia Rail Company, The.
White Cap Distributors: *See*—
New York Bar Supply Co.
Whiteman Food Products Company, Philadelphia, Pa. Sweet preserved cauliflower, chow relish, chow chow, etc. 519,838, Jan. 10; Serial No. 570,934. Class 46.
Wilson, Alton, Houston, Tex. Point of sale advertising service. 519,787, Jan. 10; Serial No. 569,116, published Sept. 27, 1949. Class 101.
Winkler, Kaspar, & Co., Zurich, Switzerland. Plastic materials of asphalt, tar, resin, linseed oil or mixtures thereof. 519,684, Jan. 10; Serial No. 555,787, published Sept. 27, 1949. Class 12.
Winkler, Kaspar, & Co., Zurich, Switzerland. Preparation for improving the binding and setting properties of cement, plaster, etc. 519,685–6, Jan. 10; Serial Nos. 555,788–9, published Sept. 27, 1949. Class 12.
Winthrop-Stearns Inc., New York, N. Y. Preparation for the prevention and treatment of travel sickness. 519,739, Jan. 10; Serial No. 564,494, published Sept. 13, 1949. Class 18.
Wolf, Jacques, & Co., Clifton, N. J. Emulsified phenyl amine. 519,712, Jan. 10; Serial No. 560,591, published Sept. 6, 1949. Class 6.
Wood Flong Corporation, Hoosick Falls, N. Y. Dry mats for stereotyping purposes. 519,599, Jan. 10; Serial No. 533,820, published Sept. 13, 1949. Class 50.
Woodrow Stores, Inc., New York, N. Y. Men's and boys' hats. 519,628, Jan. 10; Serial No. 543,766, published Sept. 13, 1949. Class 39.
Woronock, A., & Son: *See*—
Mark Jewelry Co., The.
Wright, Layman & Umney, Limited, by Wright, Layman & Umney Limited, London, England. Perfumed soap. 264,589, Nov. 26, 1929. Republished Jan. 10. Class 52.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Metal pipe, casing, tubing and conduit for conveying fluids. 519,605–7, Jan. 10; Serial Nos. 536,026–8, published Sept. 27, 1949. Class 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather in the piece. J. Greenebaum Tanning Co. 519,588, Jan. 10; Serial No. 529,040, published Sept. 27, 1949.
Wadding, Paper and creped cellulose. Kimberly-Clark Corporation. 519,573, Jan. 10; Serial No. 526,513, published Sept. 27, 1949.
Zinc, Leaded, zinc oxide, lithopone, etc. The Sherwin-Williams Company. 443,673, Jan. 10; Serial No. 524,728, published Sept. 27, 1949.

CLASS 2

Bags, Paper. Gilman Paper Company. 264,197, Nov. 19, 1929. Republished Jan. 10.
Bags, Paper. Southern Advance Bag & Paper Co. Inc. 519,795, Jan. 10; Serial No. 508,864.
Containers, Portable thermally insulated metal. L. L. Parrott. 519,802, Jan. 10; Serial No. 523,606.
Jewelry findings, and jewelry. E. H. Augat. 424,622, Oct. 15, 1946. Republished Jan. 10.
Plates, Paper. Berst-Forster-Dixfield Company. 387,036, Apr. 29, 1941. Republished Jan. 10.

CLASS 3

Billfolds, wallets, key cases, card cases, etc. Columbia Walescraft, Ltd. 519,688, Jan. 10; Serial No. 556,076, published Aug. 23, 1949.
Cases, Hand luggage, overnite cases, hat and shoe cases, etc. Hartmann Company. 519,830, Jan. 10; Serial No. 565,264.
Portfolios, pocketbooks, wallets, etc. Brown & Bigelow. 268,608, renewed Mar. 18, 1950. O. G. Jan. 10.

CLASS 4

Mixture of soap with other detergent material. Mitchell Wing Company. 263,913, Nov. 12, 1929. Corrected. O. G. Jan. 10.
Steel wool and soap. Manhattan Soap Company, Inc. 269,040, renewed Mar. 25, 1950. O. G. Jan. 10.

CLASS 5

Adhesive cements, Waterproof, liquid, general purpose. Webb Products Company. 519,757, Jan. 10; Serial No. 567,061, published Sept. 27, 1949.
Adhesive film, High strength. Minnesota Mining & Manufacturing Company. 519,756, Jan. 10; Serial No. 566,994, published Sept. 27, 1949.
Glue, Liquid hide. The Franklin Glue Company. 519,612, Jan. 10; Serial No. 538,390, published Sept. 20, 1949.
Mounting tissue for photographs, Heat sealing. Seal, Incorporated. 519,710, Jan. 10; Serial No. 560,356, published Sept. 13, 1949.
Tape, Pressure sensitive. M. B. Andrews. 519,562, Jan. 10; Serial No. 518,810, published Sept. 13, 1949.

CLASS 6

Baking-powder. Royal Baking Powder Company. 78,828, July 12, 1910. Amended. O. G. Jan. 10.
Binder suitable for use in the dyeing and printing of textiles. Rohm & Haas Company. 519,778, Jan. 10; Serial No. 574,463, published Sept. 6, 1949.
Castor oil. The Baker Castor Oil Company. 519,635, Jan. 10; Serial No. 545,810, published Aug. 30, 1949.
Chemical agent. Synthetic Chemicals, Inc. 519,644, Jan. 10; Serial No. 547,947, published Aug. 16, 1949.
Chemical cleaner, etc., Automobile radiator cooling system. The Pure Oil Company. 514,259, Aug. 23, 1949. Corrected. O. G. Jan. 10.
Chemical composition for impregnating wood. E. L. Bruce Co. 252,754, Feb. 12, 1929. Republished Jan. 10.
Chemical compound. Robeson Process Company. 519,695, Jan. 10; Serial No. 557,391, published Aug. 30, 1949.
Chemical compounds. Bocon Chemical Corporation. 519,617, Jan. 10; Serial No. 540,978, published Sept. 28, 1948.
Chemicals. Tyrer, Thomas, & Company Limited. 519,691, Jan. 10; Serial No. 556,608, published Sept. 6, 1949.
Chemicals and preparations thereof. General Aniline & Film Corporation. 519,726, Jan. 10; Serial No. 562,692, published Sept. 13, 1949.
Chemicals used for clearing swimming pools and the like. Algin Products Corporation. 262,874, Oct. 22, 1929. Republished Jan. 10.
Dicyandiamide for use in paper manufacture. American Cyanamid Company. 519,742, Jan. 10; Serial No. 564,751, published Sept. 13, 1949.
Fatty amines. General Mills, Inc. 519,733, Jan. 10; Serial No. 563,519, published Mar. 8, 1949.
Fire-extinguishing dry chemical, Comminuted free-flowing. Ansul Chemical Company. 519,740, Jan. 10; Serial No. 564,546, published Sept. 13, 1949.
Fixing and developing acid. Arkansas Distributing Co. 147,474, renewed Jan. 5, 1948. O. G. Jan. 10.
Hide powder. W. H. Teas. 76,824, re-renewed Feb. 15, 1950. O. G. Jan. 10.
Hydrogenation catalysts. E. F. Drew & Co., Inc. 443,661, Jan. 10; Serial No. 490,750, published June 11, 1946.

Insecticide. Faesy & Besthoff, Inc. 519,704, Jan. 10; Serial No. 559,595, published Sept. 13, 1949.
Insecticide. Westvaco Chlorine Products Corporation. 519,812, Jan. 10; Serial No. 540,345.
Insecticides. M. Chernack. 519,773, Jan. 10; Serial No. 568,581, published Sept. 6, 1949.
Insecticides. Darworth Incorporated. 439,324, June 15, 1948. Republished Jan. 10.
Insecticides and insect sprays. Dorsett-Jones, Inc. 443,665, Jan. 10; Serial No. 503,886, published Aug. 16, 1949.
Liquid preparation. H. Smith. 519,724, Jan. 10; Serial No. 562,160, published Sept. 6, 1949.
Media for X-ray diagnosis, Contrast. Mallinckrodt Chemical Works. 519,732, Jan. 10; Serial No. 563,266, published Sept. 6, 1949.
Medicinal preparation. The Upjohn Company. 519,706–7, Jan. 10; Serial Nos. 559,963–4, published Sept. 20, 1949.
Nutrient media. A. E. Staley Manufacturing Company. 519,563, Jan. 10; Serial No. 519,838, published Sept. 6, 1949.
Parasiticides. California Spray-Chemical Corporation. 519,603, Jan. 10; Serial No. 535,220, published Sept. 28, 1948.
Parasiticides. California Spray-Chemical Corporation. 519,659, Jan. 10; Serial No. 550,385, published Sept. 6, 1949.
Pest repellent compositions. C. V. Sparhawk. 443,676, Jan. 10; Serial No. 507,663.
Phenyl amine, Emulsified. Jacques Wolf & Co. 519,712, Jan. 10; Serial No. 560,591, published Sept. 6, 1949.
Product consisting of carbon black. Binney & Smith Company. 519,734, Jan. 10; Serial No. 563,655, published Sept. 20, 1949.
Remedy to relieve itching of dogs. The E. W. Rose Company. 519,746, Jan. 10; Serial No. 565,582, published Sept. 27, 1949.
Sodium pentobarbital and acid pentobarbital, Combination of. Boyle and Company. 519,677, Jan. 10; Serial No. 554,085, published Aug. 23, 1949.
Sodium perborate monohydrate. E. I. du Pont de Nemours and Company. 519,728, Jan. 10; Serial No. 562,921, published Sept. 6, 1949.
Starch, Cold swelling. H. D. Meinecke. 519,791, Jan. 10; Serial No. 501,078.
Starch, Prepared liquid. Delecto Products Co. 519,748, Jan. 10; Serial No. 565,757, published Sept. 6, 1949.
Wax emulsion. Thomas Robinson Company, Inc. 519,700, Jan. 10; Serial No. 558,766, published Sept. 20, 1949.

CLASS 8

Ash trays. Parkitsafe Company. 519,649, Jan. 10; Serial No. 549,269, published Aug. 30, 1949.
Ash trays. Parkitsafe Company. 519,650, Jan. 10; Serial No. 549,271, published Aug. 30, 1949.
Jewelry findings and jewelry. E. H. Augat. 424,622, Oct. 15, 1946. Republished Jan. 10.
Lighters, Pyrophoric cigarette. Ram Lighters, Inc. 519,661, Jan. 10; Serial No. 550,612, published Aug. 30, 1949.
Pouches, Tobacco, cigar, cigarette, and pipe cases, etc. Rogers Imports Inc. 519,554, Jan. 10; Serial No. 502,719, published Sept. 27, 1949.

CLASS 9

Matches. The Diamond Match Co. 95,807, Feb. 10, 1914. Republished Jan. 10.
Matches. The Diamond Match Company. 167,347–8, May 1, 1923. Republished Jan. 10.
Matches. The Diamond Match Company. 170,566, July 17, 1923. Republished Jan. 10.
Matches. The Diamond Match Company. 170,617–20, July 17, 1923. Republished Jan. 10.
Matches. The Diamond Match Company. 171,974–5, Aug. 21, 1923. Republished Jan. 10.
Matches. The Diamond Match Company. 171,994, Aug. 21, 1923. Republished Jan. 10.

CLASS 11

Ink, Newspaper printing. J. M. Huber Corporation. 519,765, Jan. 10; Serial No. 567,787, published Sept. 27, 1949.
Ribbons, Typewriter. Ribbonwriter Corporation of America. 519,729, Jan. 10; Serial No. 562,959, published Oct. 4, 1949.
Vehicle or varnish for printers' inks. Western Laboratories, Inc. 519,776, Jan. 10; Serial No. 568,882, published Sept. 27, 1949.

CLASS 12

Awnings, Metal. L. Miller. 519,602, Jan. 10; Serial No. 534,647, published Sept. 13, 1949.
Blocks, Building. Bloomington Limestone Company. 258,099, renewed July 16, 1949. O. G. Jan. 10.
Cement, Pipe joint. J. A. Sexauer Mfg. Co. Inc. 519,632, Jan. 10; Serial No. 545,288, published Sept. 6, 1949.

Covering, Asbestos cellular pipe and boiler, and asbestos cement. Johns-Manville Corporation. 264,644, renewed Dec. 3, 1949. O. G. Jan. 10.
Doors, Wooden. Roddis Lumber and Veneer Co. 519,570, Jan. 10; Serial No. 524,018, published Sept. 6, 1949.
Firebrick. Mexico Refractories Company. 519,622, Jan. 10; Serial No. 541,866, published Sept. 20, 1949.
Iron compound in the form of a dry powder, etc. Smooth-On Manufacturing Company. 34,161, re-renewed Feb. 6, 1950. O. G. Jan. 10.
Lumber and timber products. The Langdale Company. 519,683, Jan. 10; Serial No. 555,680, published Sept. 6, 1949.
Plastic materials of asphalt, tar, resin, linseed oil, or mixtures thereof. Kaspar Winkler & Co. 519,684, Jan. 10; Serial No. 555,787, published Sept. 27, 1949.
Preparation for improving the binding and setting properties of cement, plaster, etc. Kaspar Winkler & Co. 519,685–6, Jan. 10; Serial Nos. 555,788–9, published Sept. 27, 1949.
Rail sections. The West Virginia Rail Company. 255,442, Apr. 23, 1929. Republished Jan. 10.
Roll Roofings and shingles, Asphalt. The Ruberoid Co. 519,642, Jan. 10; Serial No. 547,777, published Sept. 6, 1949.
Sashes, doors, blinds, etc. Curtis Companies Incorporated. 519,653, Jan. 10; Serial No. 549,363, published Sept. 6, 1949.
Shingles, Asphalt. Bird & Son, Inc. 519,743, Jan. 10; Serial No. 564,984, published Sept. 27, 1949.
Supports for raising or supporting sagging floors, Adjustable. The Akron Products Company. 519,559, Jan. 10; Serial No. 512,476, published Sept. 27, 1949.
Waterproof compound in plastic and liquid form, sheathing paper, saturated felt, etc. Beacon Sales Company. 519,594, Jan. 10; Serial No. 532,109, published Sept. 6, 1949.

CLASS 13

Apparatus for preparing infusions. Automatic Drip-O-Lator Company. 268,715, renewed Mar. 18, 1950. O. G. Jan. 10.
Barrels, Relief valve spring, strainer baskets, valve bodies, etc. Enterprise Engine & Foundry Co. 448,660, Jan. 10; Serial No. 482,737, published Sept. 20, 1949.
Braces, Metal ladder. W. L. Jones. 519,663, Jan. 10; Serial No. 551,012, published Sept. 27, 1949.
Cover and plate for serving and keeping cakes fresh. Kromex Corporation. 519,629, Jan. 10; Serial No. 543,856, published Oct. 4, 1949.
Eyelets and washers, Metal, hamper hooks, stencil and marking pots, etc. Markwell Mfg. Co., Inc. 258,447, renewed July 9, 1949. O. G. Jan. 10.
Hair springs. Associated Spring Corporation. 519,652, Jan. 10; Serial No. 549,330, published Oct. 4, 1949.
Hardware. The Colorado Fuel and Iron Corporation. 519,713, Jan. 10; Serial No. 560,604, published Oct. 4, 1949.
Hitches, Rope. North & Judd Manufacturing Company. 519,587, Jan. 10; Serial No. 528,941, published Sept. 27, 1949.
Hollow ware, Brass and copper. Holli-Ware Company. 443,667, Jan. 10; Serial No. 509,657, published Oct. 4, 1949.
Pipe, casing, tubing, and conduit for conveying fluids, Metal. The Youngstown Sheet and Tube Company. 519,605–6, Jan. 10; Serial Nos. 536,026–7, published Sept. 27, 1949.
Posts, Metal fence. The Pollak Steel Company. 519,797, Jan. 10; Serial No. 511,106.
Seats, Plastic toilet. Federal Seat Corporation. 519,702, Jan. 10; Serial No. 559,289, published Sept. 20, 1949.
Springs for all purpose mechanical uses. Paragon Spring Company. 519,598, Jan. 10; Serial No. 533,605, published Oct. 4, 1949.
Thumbtacks, furniture nails and upholstery nails. American Tack Co., Inc. 519,656, Jan. 10; Serial No. 549,692, published Sept. 20, 1949.
Valve, Hose nozzle control. Tokheim Oil Tank and Pump Company. 519,586, Jan. 10; Serial No. 528,659, published Oct. 4, 1949.
Valves, Flush. Sloan Valve Company. 284,211, June 16, 1931. Republished Jan. 10.
Valves, Temperature and pressure relief. Spencer Thermostat Company. 519,579, Jan. 10; Serial No. 527,474, published Mar. 1, 1949.
Wire netting. The Gilbert & Bennett Mfg. Co. 519,615, Jan. 10; Serial No. 539,310, published Sept. 20, 1949.

CLASS 14

Alloys, High temperature. Westinghouse Electric Corporation. 443,668, Jan. 10; Serial No. 517,941, published Sept. 6, 1949.
Bars, billets, and forgings, Steel. Latrobe Electric Steel Company. 519,697, Jan. 10; Serial No. 558,040, published Oct. 18, 1949.
Blanks, Unfinished base metal. L. E. Sharff. 519,736, Jan. 10; Serial No. 564,164, published Sept. 6, 1949.
Castings and forgings, Unfinished and semi-finished metal alloy. Crucible Steel Company of America. 519,591, Jan. 10; Serial No. 530,065, published Mar. 15, 1949.
Cores and shielding material, Ferro-magnetic. North American Philips Company, Inc. 519,694, Jan. 10; Serial No. 557,380, Sept. 6, 1949.
Metal alloys. Eutectic Welding Alloys Corporation. 519,770, Jan. 10; Serial No. 568,303, published Oct. 18, 1949.
Metals for industrial and scientific use, Precious. Spyco Smelting & Refining Company. 519,666, Jan. 10; Serial No. 552,370, published Sept. 20, 1949.
Metals, Noncorrosive. The Scholl Mfg. Co., Inc. 252,370, Feb. 5, 1929. Republished Jan. 10.
Steel. The Carpenter Steel Company. 519,722, Jan. 10; Serial No. 561,652, published Sept. 6, 1949.
Steel alloy for wrenches and tools. Blackhawk Mfg. Co. 519,634, Jan. 10; Serial No. 545,614, published Apr. 5, 1949.
Steel, Sheet. Betmur Steel Corporation. 519,751, Jan. 10; Serial No. 566,271, published Sept. 6, 1949.
Welding rods, Aluminum gas. Eutectic Welding Alloys Corporation. 519,769, Jan. 10; Serial No. 568,302, published Oct. 18, 1949.
Welding rods, Metal. American Brake Shoe Company. 519,766, Jan. 10; Serial No. 567,897, published Oct. 18, 1949.
Welding rods of metal. The Ohio Brass Company. 519,775, Jan. 10; Serial No. 568,860, published Oct. 18, 1949.

CLASS 15

Grease, Valve. Chemola Manufacturing Company. 519,804, Jan. 10; Serial No. 525,190.
Lubricant and dressing, Moisture resisting furniture. Freit Laboratories, Inc. 519,839, Jan. 10; Serial No. 573,874.
Oils, Hydrocarbon motor-fuel, gasoline, and lubricating oils and greases. Gyro Process Company. 262,167, renewed Oct. 1, 1949. O. G. Jan. 10.
Oils, Lubricating. General Petroleum Corporation of California. 265,684, renewed Jan. 7, 1950. O. G. Jan 10.
Oils, Lubricating. Lubraa Oil Corporation. 265,786, Jan. 7, 1930. Republished Jan. 10.
Oils, Lubricating. Wm. C. Robinson & Son Co. 519,808, Jan. 10; Serial No. 535,749.
Petroleum and products of petroleum. General Petroleum Corporation of California. 265,854–5, renewed Jan. 7, 1950. O. G. Jan. 10.
Petroleum and products of petroleum. General Petroleum Corporation of California. 266,081, renewed Jan. 14, 1950. O. G. Jan. 10.

CLASS 16

Paints. The Flintkote Company. 258,163, June 25, 1929. Republished Jan. 10.
Shellac, Bowling alley. The Brunswick-Balke-Collender Company. 421,291, May 28, 1946. Republished Jan. 10.

CLASS 17

Cigars. Compania Tabacalera Nacional, S. A. 268,631, renewed Mar. 18, 1950. O. G. Jan. 10.
Cigars. Jose Escalante & Co. 519,597, Jan. 10; Serial No. 533,244, published Oct. 4, 1949.
Cigars. Jose Escalante & Co. 519,806, Jan. 10; Serial No. 533,243.
Tobacco, Chewing. R. C. Owen Company. 519,679, Jan. 10; Serial No. 554,589, published Oct. 4, 1949.
Tobacco, Pipe. R. R. Tobin Tobacco Company. 519,673, Jan. 10; Serial No. 553,755, published Oct. 4, 1949.
Tobacco, Plug, twist and smoking. Taylor Brothers, Inc. 519,571, Jan. 10; Serial No. 525,433, published Oct. 4, 1949.
Tobacco, Plug, twist and smoking. Taylor Brothers, Inc. 519,572, Jan. 10; Serial No. 525,451, published Oct. 4, 1949.

CLASS 18

Analgesic, sedative, and anti-spasmodic preparations. Hoffmann La Roche Inc. 519,750, Jan. 10; Serial No. 566,231, published Sept. 20, 1949.
Antacid composition, Resin-containing. The National Drug Company. 519,752, Jan. 10; Serial No. 566,532, published Sept. 27, 1949.
Antigen for the prevention of anthrax in livestock. Cutter Laboratories. 519,761, Jan. 10; Serial No. 567,329, published Sept. 6, 1949.
Antigen for the prevention of blackleg in cattle. Cutter Laboratories. 519,760, Jan. 10; Serial No. 567,327, published Sept. 6, 1949.
Chemical preparation for use in expelling worms in hogs. Moorman Manufacturing Company. 519,801, Jan. 10; Serial No. 518,027.
Diuretic. Sharp & Dohme, Incorporated. 519,753, Jan. 10; Serial No. 566,549, published Sept. 6, 1949.
Herb tonic. R. D. Chapman. 519,833, Jan. 10; Serial No. 567,829.
Hormone, Gonadotropic. Cutter Laboratories. 519,763, Jan. 10; Serial No. 567,332, published Sept. 6, 1949.
Immunizing agent, Biological. Cutter Laboratories. 519,762, Jan. 10; Serial No. 567,330, published Sept. 6, 1949.
Iodized and chlorinated oil for X-ray diagnosis and iodine medication. G. D. Searle & Co. 519,701, Jan. 10; Serial No. 558,943, published Sept. 20, 1949.
Laxative. T. S. Burns & Boys Co., Incorporated. 263,436, renewed Nov. 5, 1949. O. G. Jan. 10.
Liniment. W. H. Richter. 519,828, Jan. 10; Serial No. 564,583.

Medicinal preparation. Eli Lilly and Company. 519,676, Jan. 10; Serial No. 553,879, published Sept. 20, 1949.
Medicinal preparation. The Upjohn Company. 519,708, Jan. 10; Serial No. 550,965, published Sept. 6, 1949.
Medicinal preparation. The Upjohn Company. 519,737, Jan. 10; Serial No. 564,226, published Sept. 20, 1949.
Medicinal preparation. The Upjohn Company. 519,796, Jan. 10; Serial No. 506,683.
Medicinal preparations. Borcherdt Malt Extract Company. 519,627, Jan. 10; Serial No. 543,562, published Sept. 27, 1949.
Ointment, Antibiotic. The Lazarin Company. 519,741, Jan. 10; Serial No. 564,698, published Sept. 13, 1949.
Ointments and lotions. Algaederm Inc. 519,774, Jan. 10; Serial No. 568,773, published Sept. 13, 1949.
Pharmaceutical. C. M. Kross. 519,709, Jan. 10; Serial No. 560,112, published Sept. 6, 1949.
Pharmaceutical preparation. Research Laboratories, Inc. 519,822, Jan. 10; Serial No. 557,559.
Pharmaceutical preparations. Almac Laboratories, Inc. 519,730, Jan. 10; Serial No. 563,049, published Aug. 30, 1949.
Preparation for ague, chills, fever, etc. G. Lewis. 519,799, Jan. 10; Serial No. 514,710.
Preparation for the prevention and treatment of travel sickness. Winthrop-Stearns Inc. 519,739, Jan. 10; Serial No. 564,494, published Sept. 13, 1949.
Preparation for the relief of allergy distress. Lo-Calory Food Corporation. 519,826, Jan. 10; Serial No. 561,204.
Preparation in the form of an ointment. Wallace Laboratories, Inc. 519,745, Jan. 10; Serial No. 565,389, published Sept. 6, 1949.
Prophylactic and lodin preparations. Menley & James, Limited. 519,718, Jan. 10; Serial No. 561,323, published Sept. 20, 1949.
Salves. Kip Inc. 519,749, Jan. 10; Serial No. 565,898, published Sept. 6, 1949.
Therapeutic substance, Hemostatic. Novocol Chemical Mfg. Co., Inc. 519,758, Jan. 10; Serial No. 567,087, published Sept. 6, 1949.
Vitamin compositions. Armour and Company. 519,585, Jan. 10; Serial No. 528,399, published Aug. 16, 1949.
Vitamin P tablet. P. C. Bragg. 519,772, Jan. 10; Serial No. 568,489, published Sept. 27, 1949.

CLASS 19

Carriages, strollers, gocarts, Baby, etc. Kroll Brothers Company. 262,378, renewed Oct. 8, 1949. O. G. Jan. 10.
Seats, Vehicle. California Car Bed Company. 519,809, Jan. 10; Serial No. 536,044.

CLASS 21

Fans, Electric. The O. A. Sutton Corporation, Inc. 509,417, May 3, 1949. Amended. O. G. Jan. 10.
Radio equipment. Lear Avia, Inc. 398,987, Dec. 8, 1942. Republished Jan. 10.
Receivers, Radio, and radio receiver-phonograph combinations. Lear, Incorporated. 434,738, Dec. 2, 1947. Republished Jan. 10.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 519,731, Jan. 10; Serial No. 563,061, published Sept. 20, 1949.
Bait, Artificial. F. Arbogast. 408,208, July 25, 1944. Republished Jan. 10.
Balloons, Inflated. Dewey and Almy Chemical Company. 519,553, Jan. 10; Serial No. 501,172, published Sept. 20, 1949.
Billiard cue protectors. The Brunswick-Balke-Collender Company. 519,824, Jan. 10; Serial No. 558,279.
Bowling balls. A. T. Rogahn. 519,818, Jan. 10; Serial No. 556,369.
Bowling table games. J. Dicker. 519,654, Jan. 10; Serial No. 549,518, published Sept. 27, 1949.
Dolls. B. W. Boynton. 519,671, Jan. 10; Serial No. 553,667, published Sept. 27, 1949.
Dolls. International Doll Co., Inc. 443,672, Jan. 10; Serial No. 521,521, published Sept. 13, 1949.
Dolls and doll clothes. Kerr and Hinz Doll Company. 519,641, Jan. 10; Serial No. 547,349, published Sept. 27, 1949.
Dolls, Dressed. Nancy Ann Storybook Dolls, Inc. 519,623, Jan. 10; Serial No. 542,630, published Sept. 27, 1949.
Fish bait, Artificial. L. Gordon. 519,690, Jan. 10; Serial No. 550,260, published Aug. 2, 1949.
Fish baits. P & K Incorporated. 519,693, Jan. 10; Serial No. 557,307, published Sept. 27, 1949.
Fish lures. C. A. Clark Manufacturing Company, Inc. 519,810, Jan. 10; Serial No. 536,238.
Fishing lines. B. F. Gladding & Co. Inc. 519,574, Jan. 10; Serial No. 527,055, published Sept. 20, 1949.
Fishing lines. B. F. Gladding & Co. Inc. 519,575, Jan. 10; Serial No. 527,058, published Sept. 20, 1949.
Fishing lines. B. F. Gladding & Co. Inc. 519,576, Jan. 10; Serial No. 527,061, published Sept. 20, 1949.
Fishing lines. B. F. Gladding & Co. Inc. 519,577, Jan. 10; Serial No. 527,074, published Sept. 20, 1949.
Fishing lines. B. F. Gladding & Co. Inc. 519,578, Jan. 10; Serial No. 527,080, published Sept. 20, 1949.
Fishing nets. G. R. Oathout. 443,670, Jan. 10; Serial No. 519,488, published Sept. 20, 1949.
Fishing rods. Gephart Manufacturing Co. 519,664, Jan. 10; Serial No. 551,793, published Sept. 20, 1949.
Fishing tackle. M. P. Bodge. 519,814, Jan. 10; Serial No. 551,936.
Game board. W. A. Fuld. 519,636, Jan. 10; Serial No. 546,217, published Sept. 20, 1949.
Games of playing cards, Educational. Ed-U-Cards, Inc. 443,664, Jan. 10; Serial No. 502,566, published Sept. 13, 1949.
Golf clubs. A. G. Spalding & Bros. Inc. 519,638, Jan. 10; Serial No. 546,523, published Sept. 27, 1949.
Model kits, equipment, and supplies. Varney Scale Models. 519,596, Jan. 10; Serial No. 533,217, published Sept. 20, 1949.
Paddle balls, tops of the bandalore type, toy airplanes, etc. Cheerio Toys & Games Incorporated. 519,595, Jan. 10; Serial No. 532,688, published Sept. 20, 1949.
Poker chips and chess games. Gits Molding Corporation. 519,566–7, Jan. 10; Serial Nos. 522,627–8, published Sept. 20, 1949.
Poker chips and chess games. Gits Molding Corporation. 519,568, Jan. 10; Serial No. 522,634, published Sept. 20, 1949.
Rattles, Infant's. Earl & Arlington. 519,678, Jan. 10; Serial No. 554,216, published Sept. 27, 1949.
Skates, Roller, and roller skate wheels. E-Z Roll Co. 519,794, Jan. 10; Serial No. 507,492.
Skates, Roller, three- and four-wheeled velocipedes, swings, round-abouts, etc. D. Sebel & Company Limited. 443,669, Jan. 10; Serial No. 518,783, published Sept. 20, 1949.
Sound instruments, Reed type. Sportsman Aid Corp. 519,592, Jan. 10; Serial No. 530,345, published Sept. 27, 1949.
Targets, Frangible. Olin Industries, Inc. 519,581, Jan. 10· Serial No. 527,754, published Sept. 20, 1949.
Toy animals, Stuffed. Richard G. Krueger Incorporated. 519,820, Jan. 10; Serial No. 556,896.
Toy steering wheel. Statler Mfg. Co. 519,670, Jan. 10; Serial No. 553,647, published Sept. 20, 1949.
Toys, Children's, sporting goods. The Cussins and Fearn Company. 519,665, Jan. 10; Serial No. 551,864, published Sept. 20, 1949.
Toys, Educational. Holgate Brothers Company. 519,667, Jan. 10; Serial No. 552,655, published Sept. 27, 1949.
Tricycles. Scala Mfg. Co., Inc. 519,637, Jan. 10; Serial No. 546,434, published Sept. 13, 1949.

CLASS 23

Axes, hatchets, adzes, etc. The Collins Company. 266,920, renewed Feb. 11, 1950. O. G. Jan. 10.
Chains, Sprocket drive. The Jeffrey Manufacturing Company. 519,604, Jan. 10; Serial No. 535,712, published Sept. 20, 1949.
Cork, synthetic rubber, and cork and synthetic rubber roll covers. Armstrong Cork Company. 519,561, Jan. 10; Serial No. 517,284, published Sept. 13, 1949.
Cutlery and flatware, Table cutlery and kitchen utensils. M. Baker. 443,662, Jan. 10; Serial No. 498,385, published Aug. 12, 1947.
Dispensers, Paper towel. Berst-Forster-Dixfield Company. 386,569, Apr. 15, 1941. Republished Jan. 10.
Distributor, Mechanical. R. I. Patterson. 519,583, Jan. 10; Serial No. 528,075, published Sept. 20, 1949.
Drills, Masonry. Star Expansion Bolt Company. 264,317, renewed Nov. 26, 1949. O. G. Jan. 10.
Driving systems, Mechanical. Lear Avia, Inc. 396,821, Aug. 4, 1942. Republished Jan. 10.
Driving systems, Mechanical, Lear Avia, Inc. 430,080, June 10, 1947. Republished Jan. 10.
Implements, Agricultural. Mid-States Sales. 519,813, Jan. 10; Serial No. 542,327.
Lathe, Electrically operated. The Brunswick-Balke-Collender Company 519,560, Jan. 10; Serial No. 513,491, published Sept. 13, 1949.
Machines and apparatus for producing gears and for grinding, lapping and burnishing gears, etc. Gleason Works. 512,164, July 12, 1949. Corrected. O. G. Jan. 10
Motors, Internal combustion. G. R. Hamel. 519,792, Jan. 10; Serial No. 503,650.
Motors, Outboard. National Pressure Cooker Company. 519,696, Jan. 10; Serial No. 557,763, published Sept. 6, 1949.
Numbering machine, Hand. American Numbering Machine Co. 519,626, Jan. 10; Serial No. 543,052, published Sept. 27, 1949.
Pumps, Irrigation, pumping systems and water-pressure systems, etc. W. G. Noack. 265,028, renewed Dec. 10, 1949. O. G Jan. 10.
Pumps, Rotary, compressors, hand hoists, etc. Robbins & Myers, Inc. 519 580, Jan. 10; Serial No. 527,565, published Sept. 20, 1949.
Shoe attachments for cultivators. Russell Manufacturing Co. 519,800, Jan. 10; Serial No. 516,220.
Tools, Hand. R. W. Poe. 519,639, Jan. 10; Serial No. 546,780, published Sept. 13, 1949.
Tools, Machine metal lathe and plane. J. E. Poorman. 519,690, Jan. 10; Serial No. 554,597, published Sept. 13, 1949.

CLASS 24

Clothespins. Berst-Forster-Dixfield Company. 372,846, Nov. 14, 1939. Republished Jan. 10.

CLASS 26

Indicators and recorders, Sonic depth. Bendix Aviation Corporation. 519,551, Jan. 10; Serial No. 482,970, published Sept. 13, 1949.
Navigational instruments, Aircraft. Lear Avia, Inc. 389,478, Aug. 5, 1941. Republished Jan. 10.
Optical frames. Marine Optical Mfg. Co. 519,764, Jan. 10, Serial No. 567,641, published Sept. 13, 1949.
Photographic equipment. Strobo Research. 519,555, Jan 10; Serial No. 503,333, published Sept. 13, 1949.
Projectors, Motion picture, and motion picture film cleaners. Bell & Howell Company. 519,590, Jan. 10; Serial No. 529,574, published Sept. 13, 1949.
Scale and chart, Calculating sliding. G. M. Chin. 519,584, Jan. 10; Serial No. 528,116, published Sept. 13, 1949.
Sheets, Transparent legend. American Typesetting Corporation. 519,552, Jan. 10; Serial No. 497,157, published Sept. 13, 1949.
Switches, Automatic control. Sampsel Time Control, Inc. 519,609, Jan. 10; Serial No. 536,551, published Sept. 13, 1949.
Switches, Temperature measuring and regulating. Minneapolis-Honeywell Regulator Company. 519,582, Jan. 10; Serial No. 527,971, published Sept. 13, 1949.
Switches, Thermostatic regulating and controlling. Minneapolis-Honeywell Regulator Company. 519,589, Jan. 10, Serial No. 529,483, published Sept. 13, 1949.
Thermostats, clock thermostats, electrical controls. Bell & Gossett Company. 519,593, Jan. 10; Serial No. 531,424, published Sept. 13, 1949.
Thermostats, time (clock) thermostats, water gauges, etc. Sea s, Roebuck and Co. 519,660, Jan. 10; Serial No. 550,449, published Sept. 13, 1949.
Unloaders, Automatic. J. T. Parisi. 519,558, Jan. 10; Serial No. 511,636, published Sept. 13, 1949.

CLASS 27

Clocks and watches and parts thereof. L. Perloff. 519,689, Jan. 10; Serial No. 556,216, published Oct. 18, 1949.
Clocks, parts of clocks, clockworks, etc. Meyer & Studell, Société Anonyme. 262,750, renewed Oct. 22, 1949. O. G. Jan 10.
Clocks, watches and watchcases. Pontiac Company. 344,763, Apr. 6, 1937. Republished Jan. 10.

CLASS 28

Bands, Wrist, bracelets and chains for watches; clasps, buckles, and fasteners therefor, etc. Bulova Watch Company, Inc. 519,601, Jan. 10; Serial No. 534,598, published Oct. 18, 1949.
Bracelets, Watch, bands, lapel ornaments, pin ornaments, etc Tourneau, Inc. 519,550, Jan. 10; Serial No. 478,561 published Oct. 18, 1949.
Initials, Base metal. Omar, Inc. 519,657, Jan. 10; Serial No 549,745, published Oct. 18, 1949.
Jewelry findings, and jewelry. E. H. Augat. 424,622, Oct. 15, 1946. Republished Jan. 10.
Jewelry for personal wear, arm bands, fobs, etc. Dickson Mfg. Co. 519,662, Jan. 10; Serial No. 550,900, published Oct. 18, 1949.
Jewelry, Gold and platinum. David Sarkin, Inc. 519,645, Jan. 10; Serial No. 548,412, published Oct. 18, 1949.
Jewelry, Precious metal. Sears, Roebuck and Co. 519,719, Jan. 10; Serial No. 561,504, published Oct. 18, 1949.
Knives, forks, spoons, tongs, etc. Rogers, Lunt & Bowlen Company. 519,630, Jan. 10; Serial No. 544,112, published Oct. 18, 1949.
Rings, Finger. Osthye and Anderson. 519,777, Jan. 10; Serial No. 571,741, published Sept. 20, 1949.
Rings, Finger, bracelets and brooches. The Mark Jewelry Co. 273,420, Aug. 5, 1930. Republished Jan. 10.
Tableware, Silverplated flat. Oneida Ltd. 519,569, Jan. 10; Serial No. 523,983, published Mar. 29, 1949.

CLASS 29

Mops, Dust. O-Cedar Corp'n. 519,619, Jan. 10; Serial No 541,766, published Oct. 4, 1949.
Mops, Dust. O-Cedar Corp'n. 519,620, Jan. 10; Serial No. 541,768, published Sept. 27, 1949.

CLASS 31

Repair and replacement parts for heating, ventilating, and air conditioning structures. The Forest City Foundries Company. 295,446, July 5, 1932. Republished Jan. 10.

CLASS 32

Box springs. Simmons Company. 266,690, renewed Jan. 28, 1950. O G. Jan. 10.
Highboys, lowboys, smoking stands, desks, etc. Strawbridge & Clothier. 259,578, Aug. 6, 1929. Republished Jan. 10.
Wardrobes, cabinets, closets, etc. Gersten Bros., Inc. 519,829, Jan. 10; Serial No. 564,722.

CLASS 34

Heaters, Gas, oil, and vapor burning water, hot-water heating systems, etc. The Cleveland Heater Company. 278,018, Dec. 2, 1930. Corrected. O. G. Jan. 10.
Repair and replacement parts for heating, ventilating, and air conditioning structures. The Forest City Foundries Company. 295,446, July 5, 1932. Republished Jan. 10.

CLASS 35

Belt, Solid woven. Victor Balata & Textile Belting Co. 268,827, renewed Mar. 18, 1950. O. G. Jan. 10.

CLASS 37

Blotting-paper. The Albemarle Paper Manufacturing Company. 77,115, re-renewed Mar. 8, 1950. O. G. Jan. 10.
Paper, Book. Kimberly-Clark Corporation. 386,789, Apr. 22, 1941. Republished Jan. 10.
Paper, Toilet. Standard Paper Company. 99,068, Aug. 11, 1914. Republished Jan. 10.
Paper, Toilet, and paper facial tissues. Gotham Tissue Corporation. 265,889–91, Jan. 7, 1930. Republished Jan. 10.
Paper, Writing and printing. American Writing Paper Company, Inc. 269,162, renewed Mar. 25, 1950. O. G. Jan. 10.
Papeterie-papers. American Writing Paper Corporation. 519,811, Jan. 10; Serial No. 537,292.
Towels, Paper. Berst-Forster-Dixfield Company. 386,802, Apr. 22, 1941. Republished Jan. 10.

CLASS 38

Magazine. B. Altman & Co. 235,585, Nov. 22, 1927. Republished Jan. 10.
Periodicals. The India Rubber Review Company. 266,569, renewed Jan. 28, 1950. O. G. Jan. 10.
Publication, House. National Biscuit Company. 264,402, renewed Nov. 26, 1949. O. G. Jan. 10.
Section of a magazine. Ahrens Publishing Company, Inc. 519,836, Jan. 10; Serial No. 569,927.

CLASS 39

Caps, Visored. Felport, Incorporated. 519,807, Jan. 10; Serial No. 535,512.
Clothing, Work and play. The Unitog Manufacturing Company. 267,670, renewed Feb. 25, 1950. O. G. Jan. 10.
Coats, Ladies' fur. Esserman Bros. 519,614, Jan. 10; Serial No. 539,141, published Sept. 13, 1949.
Corsets. The NuBone Company, Inc. 259,566, renewed July 30, 1949. O. G. Jan. 10.
Diapers, Textile. Fitts Cotton Goods Company. 519,703, Jan. 10; Serial No. 559,377, published Sept. 13, 1949.
Dresses. Francine Lee Frocks, Inc. 443,675, Jan. 10; Serial No. 491,003.
Dresses, Children's. Jack Tobin, Inc. 519,565, Jan. 10; Serial No. 522,271, published May 25, 1948.
Dresses, House. Shelby Manufacturing Co. 519,623, Jan. 10; Serial No. 542,402, published Sept. 20, 1949.
Dresses, skirts, jackets, and coats, Girls'. Joseph Loce, Inc. 519,815, Jan. 10; Serial No. 554,236.
Footwear. Sommer & Kaufmann, Inc. 263,891, renewed Nov. 12, 1949. O. G. Jan. 10.
Foundation garments, Women's. The Stronse, Adler Company. 519,821, Jan. 10; Serial No. 557,086.
Gloves. The National Glove Company. 259,305, renewed July 30, 1949. O. G. Jan. 10.
Gloves. The National Glove Company. 260,145, renewed Aug. 20, 1949. O. G. Jan. 10.
Hats and caps, Men's. Bowman Hat Company. 268,457, renewed Mar. 18, 1950. O. G. Jan. 10.
Hats, Men's. George S. Bailey Hat Co., Inc. 519,682, Jan. 10; Serial No. 555,482, published Sept. 13, 1949.
Hats, Men's and boys'. Woodrow Stores, Inc. 519,628, Jan. 10; Serial No. 548,766, published Sept. 13, 1949.
Hats, Men's and women's fur-felt. G. W. Alexander & Co., Inc. 268,485, renewed Mar. 18, 1950. O. G. Jan. 10.
Hats, Women's. L. J. Bezark. 519,621, Jan. 10; Serial No. 541,803, published Apr. 26, 1949.
Hosiery. Belknap Mills Corporation. 519,834, Jan. 10; Serial No. 567,847.
Hosiery. Hatch Full Fashioned Hosiery Co. 261,775, Sept. 24, 1929. Republished Jan. 10.
Hosiery. Maling Brothers, Inc. 519,600, Jan. 10; Serial No. 533,909, published July 6, 1948.
Hosiery. Rosedale Knitting Company. 443,674, Jan. 10; Serial No. 400,702.
Jackets, skirts, and suits, Children's, teenage, and junior misses'. Fairsex Sportswear, Corp. 519,711, Jan. 10; Serial No. 560,391, published Sept. 13, 1949.
Pajamas, Men's. Lubin-Weeker Co. Inc. 519,658, Jan. 10; Serial No. 549,938, published Sept. 20, 1949.
Protector, Cosmetic. M. S. Simmon. 519,768, Jan. 10; Serial No. 568,077, published Sept. 27, 1949.
Shirts, Dress and negligee, knitted and textile underwear for men, etc. The Enro Shirt Company. 267,216, renewed Feb. 18, 1950. O. G. Jan. 10.
Slips, panties, nightgowns, and pajamas, Ladies'. The H. K. Manufacturing Co., Inc. 519,832, Jan. 10; Serial No. 565,777.
Suits and overcoats, Men's and boys' outer. Rogers Peet Company. 349,054, Aug. 17, 1937. Republished Jan. 10.

CLASS 40

Pins, Common. Scovill Manufacturing Company. 263,744, Nov. 12, 1929. Republished Jan. 10.

CLASS 42

Blankets, Bed. F. C. Huyck & Sons. 268,824, renewed Mar. 11, 1950. O. G. Jan. 10.
Cloth, Billiard. The Brunswick-Balke-Collender Company. 344,361, Mar. 23, 1937. Republished Jan. 10.
Duck, Waterproof cotton, or similar awning fabric. The Cooley Finishing Company. 269,076, renewed Mar. 25, 1950. O. G. Jan. 10.
Fabrics. Celanese Corporation of America. 268,620, renewed Mar. 18, 1950. O. G. Jan. 10.
Fabrics. Celanese Corporation of America. 268,818, renewed Mar. 18, 1950. O. G. Jan. 10.
Fabrics. Heberlein & Co., A. G. 519,717, Jan. 10; Serial No. 561,116, published Sept. 27, 1949.
Fabrics, Textile. Atlas Mills, Inc. 306,237, Nov. 28, 1933. New certificate. O. G. Jan. 10.
Piece goods. Atlas Mills, Inc. 328,582, Oct. 1, 1935. New certificate. O. G. Jan. 10.
Piece goods, Silk. Atlas Mills, Inc. 328,509–10, Oct. 1, 1935. New certificate. O. G. Jan. 10.
Piece goods, Woolen. Joseph Hoyle & Son, Limited. 519,611, Jan. 10; Serial No. 538,284.
Rugs. Valway Rug Mills, Inc. 267,373, renewed Feb. 18, 1950. O. G. Jan. 10.
Towels, Hand, and bath towels. Boott Mills. 268,387, renewed Mar. 11, 1950. O. G. Jan. 10.

CLASS 43

Thread, Machine linen. The Linen Thread Company. 267,470, renewed Feb. 18, 1950. O. G. Jan. 10.
Yarn, Hand knitting wool. The American Thread Company. 519,699, Jan. 10; Serial No. 558,683, published Aug. 23, 1949.

CLASS 44

Dental appliances. Ritter Dental Manufacturing Company, Inc. 263,821–2, Nov. 12, 1929. Republished Jan. 10.
Tongue blades, Sanitary. Berst-Forster-Dixfield Company. 365,465, Mar. 7, 1939. Republished Jan. 10.
Toothpicks and wood applicators. Berst-Forster-Dixfield Company. 372,522, Oct. 31, 1939. Republished Jan. 10.

CLASS 45

Beverage, Nonalcoholic, maltless, carbonated coffee. R. H. Macy & Co., Inc. 519,744, Jan. 10; Serial No. 565,276, published Oct. 11, 1949.
Beverages, Nonalcoholic maltless. Booth Bottling Company, Inc. 519,738, Jan. 10; Serial No. 564,430, published Oct. 4, 1949.
Beverages, Nonalcoholic, maltless. The Shasta Water Company. 262,428, renewed Oct. 8, 1949. O. G. Jan. 10.
Beverages, Nonalcoholic, noncereal, maltless. The Shasta Water Company. 258,548, renewed July 9, 1949. O. G. Jan. 10.
Concentrate, Root beer. Happy Day Company, Inc. 519,831, Jan. 10; Serial No. 565,521.
Grape juice. Taylor & Sleed, Incorporated. 519,759, Jan. 10; Serial No. 567,283, published Oct. 11, 1949.
Mineral water, Natural. Mt. Shasta Mineral Spring Co. 74,564, re-renewed July 20, 1949. O. G. Jan. 10.
Preparation, Nonalcoholic, for producing foam, froth, or "creamy head" to alcoholic beverages and cocktails. New York Bar Supply Co. 519,816, Jan. 10; Serial No. 554,245.
Soft drinks, Maltless, and carbonated waters. D. J. Ireland. 519,687, Jan. 10; Serial No. 556,014, published Oct. 4, 1949.
Soft drinks, Nonalcoholic, maltless. H. Lotti. 443,659, Jan. 10; Serial No. 470,204, published Oct. 4, 1949.
Syrup, Flavored. C & D Flavor Company. 519,674, Jan. 10; Serial No. 553,811, published Oct. 11, 1949.
Syrups, Soda fountain. Lyons-Magnus, Incorporated. 519,668, Jan. 10; Serial No. 553,292, published May 10, 1949.

CLASS 46

Baking soda. Church & Dwight Co., Inc. 519,805, Jan. 10; Serial No. 526,782.
Candy. New England Confectionery Company. 263,952, renewed Nov. 12, 1949. O. G. Jan. 10.
Candy lozenges. New England Confectionery Co. 75,706, re-renewed Nov. 2, 1949. O. G. Jan. 10.
Canned salmon. Alaska Packers Association. 76,425, re-renewed Jan. 18, 1950. O. G. Jan. 10.
Canned tuna fish, butter, coffee, etc. The McClintock-Trunkey Co. 250,097, Nov. 27, 1928. Republished Jan. 10.
Canned vegetables. The Sears & Nichols Corporation. 259,655, renewed Aug. 6, 1949. O. G. Jan. 10.
Catchup, chile con carne, chili sauce, etc. The Jansen Company. 267,903, renewed Mar. 4, 1950. O. G. Jan. 10.
Cauliflower, Sweet preserved, chow relish, chow chow, etc. Whiteman Food Products Company. 519,838, Jan. 10; Serial No. 570,934.
Coffee. Albert Ehlers, Inc. 519,825, Jan. 10; Serial No. 560,689.
Feed, Livestock and poultry. Schreiber Milling & Grain Co. 268,711, renewed Mar. 18, 1950. O. G. Jan. 10.
Feed, Poultry. Schreiber Milling & Grain Co. 268,710, renewed Mar. 18, 1950. O. G. Jan. 10.
Flour, Blended wheat and rye. Federal Mill & Elevator Co., Inc. 263,594, renewed Nov. 5, 1949. O. G. Jan. 10.
Flour, Wheat. Federal Mill & Elevator Co., Inc. 262,635, renewed Oct. 15, 1949. O. G. Jan. 10.
Fruits, Fresh deciduous, etc. C. B. Rumble & Sons. 323,086, Apr. 2, 1935. Republished Jan. 10.
Gelatin. The Cox Gelatine Company. 76,681, re-renewed Feb. 8, 1950. O. G. Jan. 10.
Nuts, Cracked, nut-meats, and salted nuts, etc. The Squirrel Brand Company. 76,187, re-renewed Dec. 21, 1949. O. G. Jan. 10.
Rice. Southern Rice Sales Company, Inc. 265,060, Dec. 17, 1929. Republished Jan. 10.
Rice. Southern Rice Sales Company, Inc. 265,093, Dec. 17, 1929. Republished Jan. 10.
Wafers, Sugar. A. Taccetta. 265,067, renewed Dec. 17, 1949. O. G. Jan. 10.

CLASS 47

Wines. L. Gandolfi & Co., Inc. 309,502, Jan. 16, 1934. Republished Jan. 10.

CLASS 48

Beer. Adolph Coors Company. 519,643, Jan. 10; Serial No. 547,838, published Oct. 4, 1949.
Beer. A. Gettelman Brewing Company. 519,835, Jan. 10; Serial No. 568,843.
Beer. Independent Milwaukee Brewery. 519,714–15, Jan. 10; Serial Nos. 560,705–6, published Oct. 4, 1949.
Beer. The Stroh Brewery Company. 519,767, Jan. 10; Serial No. 568,006, published Oct. 4, 1949.

CLASS 49

Whiskey. A. Overholt & Company. 268,132, renewed Mar. 11, 1950. O. G. Jan. 10.
Whiskey. A. Overholt & Company. 269,180, renewed Mar. 25, 1950. O. G. Jan. 10.
Whiskey. Schenley Distillers Corporation. 519,798. Jan. 10; Serial No. 511,111.

CLASS 50

Blankets, Lithographic offset, drawsheet and gravure impression blankets. Rapid Roller Co. 519,618, Jan. 10; Serial No. 541,707, published Sept. 13, 1949.
Blocks, Engraved wooden. The Sander Engraving Co. 519,681, Jan. 10; Serial No. 555,308, published Sept. 13, 1949.
Brackets, Ladder. S. Bucher. 519,672, Jan. 10; Serial No. 553,670, published Sept. 6, 1949.
Caps, Dairy bottle. Mid-West Bottle Cap Co. 519,725, Jan. 10; Serial No. 562,616, published Sept. 13, 1949.
Caps, Milk bottle. Mid-West Bottle Cap Co. 519,613, Jan. 10; Serial No. 538,798, published Sept. 13, 1949.
Closures for glass and metallic containers. Crown Cork Specialty Corporation. 519,651, Jan. 10; Serial No. 549,316, published Sept. 13, 1949.
Covers made from plastic film. A. L. Siegel Co., Inc. 519,633, Jan. 10; Serial No. 545,396, published Sept. 13, 1949.
Fabric treated with non-slipping material. Columbian Rope Company. 519,557, Jan. 10; Serial No. 510,571, published Sept. 6, 1949.
Fabrics, Coated, and resinous sheet material. Textileather Corporation. 519,698, Jan. 10; Serial No. 558,261, published Sept. 13, 1949.
Fibreboard in sheet form. George O. Jenkins Company. 519,716, Jan. 10; Serial No. 560,897, published Sept. 13, 1949.
Fibrous material. M. A. Swarts. 519,823, Jan. 10; Serial No. 558,080.
Floral sticks. Berst-Forster-Dixfield Company. 380,477, Aug. 20, 1940. Republished Jan. 10.
Hangers, Pants and skirt. G. W. Vetter. 519,655, Jan. 10; Serial No. 549,682, published Sept. 6, 1949.
Mats and matting, Floor, and stair treads. Melflex Products Company, Inc. 519,647, Jan. 10; Serial No. 548,599, published Sept. 13, 1949.
Mats for stereotyping purposes, Dry. Wood Flong Corporation. 519,599, Jan. 10; Serial No. 533,820, published Sept. 13, 1949.
Mats, Rubber and rubber compositions floor. Baldwin Rubber Company. 519,616, Jan. 10; Serial No. 540,626, published Sept. 13, 1949.
Novelty in the nature of a mechanical sign, Advertising. Perfect Circle Corporation. 519,705, Jan. 10; Serial No. 559,727, published Sept. 13, 1949.
Pads, Protective table, and luncheon mats. Lydon-Bricher Manufacturing Company. 519,610, Jan. 10; Serial No. 536,937, published Sept. 13, 1949.
Plaques, Ornamental, statuary busts, animal statuettes, etc. N. Koni. 519,723, Jan. 10; Serial No. 561,674, published Sept. 13, 1949.
Sets, Men's shaving and toilet. New York Merchandise Company, Inc. 519,564, Jan. 10; Serial No. 520,175, published Sept. 13, 1949.
Shoe trees. Rochester Shoe Tree Co., Inc. 519,608, Jan. 10; Serial No. 536,291, published Sept. 13, 1949.
Suckling device for feeding liquids. Mutual Products Co. 519,692, Jan. 10; Serial No. 557,151, published Sept. 6, 1949.
Tents, Canvas, and tarpaulins. Camel Manufacturing Company. 519,669, Jan. 10; Serial No. 553,573, published Sept. 6, 1949.
Traps, Paperboard. The Gardner-Richardson Company. 519,648, Jan. 10; Serial No. 548,724, published Sept. 13, 1949.

CLASS 51

Astringent oils. Elizabeth Arden Sales Corporation. 519,837, Jan. 10; Serial No. 570,467.
Bath salt. Kerr Salt Company. 519,631, Jan. 10; Serial No. 546,264, published Sept. 6, 1949.
Capsules, Perfumed bath. Beardmore Products, Incorporated. 443,671, Jan. 10; Serial No. 520,087, published Aug. 16, 1949.
Cleansing cream, marcel wax talcum powder, cold cream, face powder and sachet powder. L. Anderson. 519,803, Jan. 10; Serial No. 525,175.
Face powder. Pond's Extract Company. 443,663, Jan. 10; Serial No. 501,869, published Nov. 18, 1947.
Hair and scalp preparations. T. Levine. 519,675, Jan. 10; Serial No. 553,873, published Sept. 6, 1949.
Lipsticks. Christy Cosmetics Inc. 519,754–5, Jan. 10; Serial Nos. 566,568–9, published Sept. 20, 1949.
Lipsticks. Coty, Inc. 519,827, Jan. 10; Serial No. 564,228.
Perfume. J. Strickland and Co. 519,735, Jan. 10; Serial No. 563,762, published Sept. 6, 1949.
Perfume and toilet water. Elizabeth Arden Sales Corporation. 519,771, Jan. 10; Serial No. 568,421, published Sept. 6, 1949.
Perfume, toilet water, and eau de cologne. Fabergé Inc. 519,646, Jan. 10; Serial No. 548,493, published Sept. 27, 1949.
Perfumes, bath salts, toilet water, etc. Henri Bendel, Inc. 261,551, Sept. 17, 1929. Republished Jan. 10.
Perfumes, face powders, toilet waters, etc. Givlemme, S. A. 519,624, Jan. 10; Serial No. 542,559, published Aug. 31, 1948.
Perfumes, toilet waters, rouge, etc. Omnium Arts et Industrie, Societe Anonyme. 519,720–1, Jan. 10; Serial Nos. 561,578–9, published Sept. 20, 1949.
Perfumes, toilet waters, rouges, and lipsticks. Parfumerie & Savonnerie Gilot, Societe Anonyme. 519,556, Jan. 10; Serial No. 508,238, published Sept. 6, 1949.
Powder for the toilette and lipsticks. Botany Worsted Mills. 443,666, Jan. 10; Serial No. 506,501, published June 10, 1947.
Preparation to be used as a dressing on the manes and tails of horses. V. C. Smith. 519,817, Jan. 10; Serial No. 555,634.
Salves, lotions, face-creams, etc. The Owl Drug Co. 75,770, re-renewed Nov. 16, 1949. O. G. Jan. 10.
Scalp cream. A. E. Naimoli. 519,727, Jan. 10; Serial No. 562,724, published Aug. 30, 1949.
Shaving cream. Mark W. Allen & Co. 269,075, renewed Mar. 25, 1950. O. G. Jan. 10.
Skin cream. Astra Laboratory. 519,747, Jan. 10; Serial No. 565,606, published Sept. 6, 1949.
Soap, Toilet, laundry, and household, soap powder, soap chips, etc. Colgate-Palmolive-Peet Company. 269,034, renewed Mar. 25, 1950. O. G. Jan. 10.
Soaps, toilet soaps, shaving soap, etc. P. Mülhens. 262,849, renewed Oct. 29, 1949. O. G. Jan. 10.

CLASS 52

Chemical preparation for removing dust, etc. Neilson Chemical Company. 519,793, Jan. 10; Serial No. 504,199.
Shampoo preparations. The Procter & Gamble Company. 519,640, Jan. 10; Serial No. 546,872, published Aug. 23, 1949.
Soap. Fels & Company. 519,819, Jan. 10; Serial No. 556,789.
Soap, Perfumed. Wright, Layman & Umney, Limited. 264,589, Nov. 26, 1929. Republished Jan. 10.

CLASS 100

Public utility services. Public Service Company of Colorado. 519,782, Jan. 10; Serial No. 537,235, published Sept. 20, 1949.
Serving of foods and beverages in restaurants. Hot Shoppes, Inc. 519,784, Jan. 10; Serial No. 542,588, published Sept. 6, 1949.

CLASS 101

Advertising service, Point of sale. A. Wilson. 519,787, Jan. 10; Serial No. 569,116, published Sept. 27, 1949.
Advising business organizations. Production Management Engineering Associates, Inc. 519,840, Jan. 10; Serial No. 531,715.
Merchandising service. The Sperry and Hutchinson Company. 519,780, Jan. 10; Serial No. 532,515, published Sept. 20, 1949.

CLASS 102

Brokerage of real estate, industrial brokerage, farm brokerage, mortgage brokerage, etc. National Association of Real Estate Boards. 519,789–90, Jan. 10; Serial Nos. 540,013–14, published Sept. 13, 1949.
Insurance brokerage. S. U. Bergman. 519,786, Jan. 10; Serial No. 553,569, published Sept. 27, 1949.
Underwriting of individual and group life insurance. The Prudential Insurance Company of America. 519,779, Jan. 10; Serial No. 530,019, published Sept. 13, 1949.

CLASS 105

Air transport. American Airlines, Inc. 519,788, Jan. 10; Serial No. 573,022, published Sept. 27, 1949.
Transportation service, Passenger motorbus. National Trailways Bus System. 519,783, Jan. 10; Serial No. 538,061, published Aug. 16, 1949.
Trucking newspapers and magazines. B. Farer. 519,785, Jan. 10; Serial No. 549,722, published Sept. 27, 1949.

CLASS 106

Bleaching, dyeing and shrinking textile fabrics. North Carolina Finishing Company. 519,781, Jan. 10; Serial No. 535,175, published Sept. 20, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JANUARY, 1950

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Federal Electric Products Company, assignee: *See*—
Humpage, Harold A.

Flexibox Limited, assignee: *See*—
Porges, Frederick B.

Garnett, Edward V., Denver, Colo. Automobile transporting truck. Re. 23,187, Jan. 10.

Humpage, Harold A., Bloomfield, assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Circuit breaker. Re. 23,188, Jan. 10.

Porges, Frederick B., assignor to Flexibox Limited, Manchester, England. Mechanical seal. Re. 23,189, Jan. 10.

Smith, Fred T., Golden, Colo. Land leveler. Re. 23,190, Jan. 10.

LIST OF PLANT PATENTEES

Hartgerink, Conrad, West Los Angeles, Calif., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 912, Jan. 10.

Jackson & Perkins Company, assignee: *See*—
Hartgerink, Conrad.

LIST OF DESIGN PATENTEES

Armbrust, Gottlob, Providence, R. I. Ornamental chain. 156,802; Jan. 10.

Babson Bros. Co., assignee: *See*—
Thomas, Chester A.

Badash, Jack, Brooklyn, N. Y. Cream pitcher. 156,803; Jan. 10.

Bardach, Paul, Providence, R. I. Jewelry chain. 156,804; Jan. 10.

Bardach, Paul, Providence, R. I. Jewelry chain. 156,805; Jan. 10.

Bardach, Paul, Providence, R. I. Jewelry chain. 156,806; Jan. 10.

Battersby, Denis J., West Wittering, England. Tire pressure gauge. 156,807; Jan. 10.

Beck, George, Syracuse, N. Y., assignor to General Electric Company. Television receiver. 156,808; Jan. 10.

Bobb, Lloyd J.: *See*—
Reed, Frank J., and Bobb.

Bocher, Main R., New York, N. Y., assignor to Passavant Memorial Hospital, Chicago, Ill. Dress. 156,809; Jan. 10.

Brownlee, Robert L., Mokena, Ill. Utility cart. 156,810; Jan. 10.

Buchanan, Robert F., Denver, Colo. Splash block. 156,812; Jan. 10.

Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Commode. 156,813; Jan.10.

Butherus, Richard R., assignor of fifty per cent to Arthur Fazzari, Walla Walla, Wash. Potato slicer. 156,811; Jan. 10.

Butler, Arvilla K.: *See*—
Potts, Clifford.

Butler, Louis A., assignee; *See*—
Potts, Clifford.

Carroll, Emmett J., assignee: *See*—
McVicker, Paul R.

Chester, Frank R., Santa Monica, Calif. Adjustable measuring spoon. 156,814; Jan. 10.

Cohen, Edwin I., New York, N. Y. Pillowcase or similar article. 156,815; Jan. 10.

Cohen, Morton R., Chicago, Ill. Table. 156,816; Jan. 10.

Columbus Plastic Products Inc., assignee: *See*—
Roop, Nathan W.

Connecticut Tool & Engineering Company, assignee: *See*—
Williams, Daniel J.

Cookman, Helen C., New York, N. Y. Dress. 156,817; Jan. 10.

Cornelius, Richard T., Minneapolis, Minn. Combination ash tray and signal. 156,818; Jan. 10.

Curran, Frank J., Downers Grove, Ill. Coaster rack. 156,819; Jan. 10.

Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.

Domina, Howard L., Toronto, Ontario, Canada. Creel for anglers. 156,820, Jan. 10.

Emde, Kurt, Itasca, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 156,821; Jan. 10.

Fazzari, Arthur, assignee: *See*—
Butherus, Richard R.

Garvin, Richard H., Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 156,822; Jan. 10.

General Electric Company, assignee: *See*—
Beck, George.

Glukes, Bernard R., North Hollywood, Calif. Kitchen utensil rack. 156,823; Jan. 10.

Greberman, David, Philadelphia, Pa. Book end or similar article. 156,824; Jan. 10.

Grosfeld House, Inc., assignee: *See*—
Buckner, Anthony J.

Hake, George H., assignor to Hake Manufacturing Co., Inc., Depew, N. Y. Scraper for windshields or the like. 156,825; Jan. 10.

Hake Manufacturing Co., Inc., assignee: *See*—
Hake, George H.

Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Flow control fitting. 156,826; Jan. 10.

Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Pipe-line fitting. 156,827; Jan. 10.

Hamer, Leland S. Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Fitting for pipe lines. 156,828; Jan. 10.

Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Pipe line fitting. 156,829; Jan. 10.

Heller Brothers Company, assignee: *See*—
Jackson, Henry.

Herschensohn, Arthur M., New York, N. Y. Barrette. 156,830; Jan. 10.

Huneycutt, Semion F., Cleburne, Tex. Fishing lure. 156,831; Jan. 10.

International Electronics Company, assignee: *See*—
Reed, Frank J., and Bobb.

Jackson, Henry, New Comerstown, Ohio, assignor to Heller Brothers Company, Newark, N. J. Combination claw hammer and screw driver. 156,832; Jan. 10.

Jones, Wilson, Company, assignee: *See*—
Marano, Herbert W.

Juergens, John, McHenry, Ill., assignor to Leterstone Sales Co. Animal prod. 156,833; Jan. 10.

Leterstone Sales Co., assignee: *See*—
Juergens, John.

Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill. Stapling machine. 156,834; Jan. 10.

McNeill, Harry T., assignor to Sheboygan Chair Company, Inc., Sheboygan, Wis. Chair. 156,835, Jan. 10.

McVicker, Paul R., Royal Oak, assignor of one-half to Emmett J. Carroll, Detroit, Mich. Vegetable slicer. 156,836, Jan. 10.

Ohio Porcelain Company, assignee: *See*—
Potts, Clifford.

Onondaga Pottery Company, assignee: *See*—
Garvin, Richard H.
Otis, Edward M.

Orr, Raymond H. M., New York, N. Y. Openwork fabric soap container. 156,837, Jan. 10.

Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 156,838, Jan. 10.
Pasteur Memorial Hospital, assignee: *See*—
Bocher, Main Rousseau.
Pillits, Frederick, West Hempstead, N. Y. Tablecloth or the like. 156,839, Jan. 10.
Playlastic Toy Company Limited, assignee: *See*—
Walker, Arthur Oscar.
Potts, Clifford, assignor to L. A. Butler and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Combination coaster and ash tray or similar article. 156,840, Jan. 10.
Reed, Frank J., Philadelphia, and L. J. Bobb, Glenside, assignors to The International Electronics Company, Philadelphia, Pa. Combined housing and mounting for magnetic tape record handling apparatus. 156,841, Jan. 10.
Rives, Walter L., Jacksonville, Fla. Combined fishing rod handle and reel mount. 156,842, Jan. 10.
Rodman, Clarence J., Alliance, Ohio. Bathtub. 156,843, Jan. 10.
Roop, Nathan W., assignor to Columbus Plastic Products Inc., Columbus, Ohio. Serving tray or similar article. 156,844, Jan. 10.
Ross, Mark, Los Angeles, Calif. Fruit and vegetable slicer. 156,845, Jan. 10.
Rouse, Calvin, Jamaica, N. Y. Clown figure toy. 156,846, Jan. 10.
Runyon, Clinton A., Jr., Chicago, Ill. Mouthpiece for wind instruments. 156,847, Jan. 10.
Salg, Emilia V., Chicago, Ill. Egg cup. 156,848, Jan. 10.
Santa Anita Potteries, assignee: *See*—
Tucker, Lloyd I.
Schippert, Florence J., Philadelpiha, Pa. Toy kitten. 156,849, Jan. 10.
Sheboygan Chair Company, Inc., assignee: *See*—
McNeill, Harry T.
Shelly, Inc., assignee: *See*—
Simons, Robert.
Shirley, Granville H., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Measuring spoon. 156,850, Jan. 10.
Simons, Robert, assignor to Shelly, Inc., Los Angeles, Calif. Recipe container or similar article. 156,851, Jan. 10.
Thomas, Chester A., Lake Forest, Ill., assignor to Babson Bros. Co. Lid for a suspended milker. 156,852, Jan. 10.
Tucker, Lloyd I., Glendale, assignor to Santa Anita Potteries, Los Angles, Calif. Plate or similar article. 156,853, Jan. 10.
Tupper, Earl S., Upton, Mass. Cover for a vessel. 156,854, Jan. 10.
Tupper, Earl S., Upton, Mass. Sugar bowl. 156,855, Jan. 10.
Van Dorn Iron Works Company, The, assignee: *See*—
Shirley, Granville H.
Walker, Arthur Oscar, Harrow, assignor to Playlastic Toy Company Limited, London, England. Rubber rocking toy. 156,856, Jan. 10.
Wallance, Donald A., New York, N. Y. Chair or similar article. 156,857, Jan. 10.
Warren, Joseph, assignee: *See*—
Warren, Willard.
Warren, Willard, Brooklyn, assignor to J. Warren, Long Island City, N. Y. Light measuring instrument housing. 156,858, Jan. 10.
Williams, Daniel J., Fairfield, assignor to Connecticut Tool & Engineering Company, Bridgeport, Conn. Filing machine or the like. 156,859, Jan. 10.
Zalkaner, Herman Samuel, New York, N. Y. Container. 156,860, Jan. 10.
Zenith Radio Corporation, assignee: *See*—
Emde, Kurt.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JANUARY, 1950

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Abbott, Harry A., Little Neck, N. Y. Collapsible crate. 2,494,275, Jan. 10.
Abernathy, Henry H., Wilmington, and G. W. Scott, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polychloroprene and preparation thereof. 2,493,798, Jan. 10.
Ablett, William W., Detroit, Mich. Tool to check centrality and alignment of keyways in shafts. 2,494,152, Jan. 10.
Abrons, Hyman, Hollywood, Calif. Lawn edge cutter. 2,494,223, Jan. 10.
Acme Electric Corporation, assignee: *See*—
Koubek, William F.
Adams, Albert E.: *See*—
Wikkenhauser, Gustav, and Adams.
Wikkenhauser, Gustav, Adams, Cook, and Duggan.
Adams, Whitney R., Matawan, N. J., assignor to Johnson & Johnson. Fiber treatment. 2,493,740, Jan. 10.
Adelsohn, Norman, and A. Calone, Denver, Colo. Printer's padding press. 2,494,424, Jan. 10.
Aerojet Engineering Corporation, assignee: *See*—
Wolfe, Charles M.
Aerotec Corporation, The, assignee: *See*—
Watson, John E., and McBride.
Aeronautical Research Corporation, assignee: *See*—
Reck, Frank.
Akron Brass Mfg. Company, Inc., assignee: *See*—
Lee, Floyd J.
Aktiengesellschaft Brown, assignee: *See*—
Keller, Hans.
Albree, George N., Winchester, Mass. Ammunition. 2,493,938, Jan. 10.
Alifano, Antonio, Brooklyn, and N. M. Porreca, Woodside, N. Y. Edge cutter attachment for sewing machines. 2,493,735, Jan. 10.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Petersen, Wilhelm H.
Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Optical objectives with two-part negative component having variable central air space of zero power. 2,494,025, Jan. 10.
Amana Society, assignee: *See*—
Foerstner, George C.
American Cyanamid Company, assignee: *See*—
Carpenter, Erwin L.
Cassaday, Jack T., Hoegberg, and Gleissner.
Hoegberg, Erick I.
Hull, Washington.
Jayne, David W., Day, and Gieseke.
Jefts, Albert W.
Moyer, Samuel P.
Ross, Lawrence E., and Tanner.
American Heat Reclaiming Corporation, assignee: *See*—
Lockman, Carl J.
American Safety Razor Corporation, assignee: *See*—
Tait, Wilfred E., and Stellpflug.
American Steel Foundries, assignee: *See*—
Baselt, Walter H.
Light, David M.
American Telephone and Telegraph Company, assignee: *See*—
Weber, Edward H., Jr.
Ames, James G., Aurora, Ill. Multistage incinerator for drying and burning wet refuse. 2,493,939, Jan. 10.
Amino Acids, Inc., assignee: *See*—
Reyneirs, James A.
Anderson, George A. M., assignor to The King Company, Owatonna, Minn. Multistage method and apparatus for freezing comestibles. 2,494,027, Jan. 10.
Anderson, Maude J., assignee: *See*—
Harrison, Laurence E.
Anderson, Nelson, Millburn, N. J. Projectile. 2,494,026, Jan. 10.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Load equalizing for differential actuators. 2,493,799, Jan. 10.
Andres, Ray C., Big Rapids, Mich., assignor to Home Protection Company, Inc. Pneumatic conveying machine. 2,494,500, Jan. 10.
Andrews, Edward F.: *See*—
Gierwiatowski, Olgierd, and Andrews.
Andrews, Edward F., Chicago, Ill. Stop-on-signal radio apparatus. 2,493,741, Jan. 10.
Andrews, Henry, assignor to Platt Products Corporation, Lansing, Mich. Thermostatic control device. 2,494,079, Jan. 10.
Andrews, Norman F., Moline, Ill., R. L. Dort, Davenport, Iowa, J. Verger, Rock Island, W. J. Coultas, Moline, and S. E. Hill, Glen Ellyn, assignors to Deere & Company, Moline, Ill. Hitching arrangement for harvesters and allied equipment. 2,494,080, Jan. 10.
Andrews, Norwood H., and J. L. Speirs, Moorestown, N. J., assignors, by mesne assignments, to The Microniser Company, New York, N. Y. Drying and pulverizing method and apparatus. 2,494,153, Jan. 10.
Andrews, Robert A. C., St. Thomas, Ontario, Canada. Magnetic sadiron holder. 2,493,846, Jan. 10.
Anné, Charles T., and R. F. Nelson, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Recovery of furfural from furfural-polymer mixtures. 2,494,325, Jan. 10.
Anner, Georg: *See*—
Miescher, Karl, and Anner.
Anxionnaz, Rene, assignee: *See*—
Imbert, Roger J.
Arcarese, Carlo J.: *See*—
Ulrich, Arthur E., Hume, Arcarese, and Steele.
Aro Equipment Corporation, The, assignee: *See*—
Fitch, Clifford E.
Arundale, Erving, Westfield, N. J., assignor to Standard Oil Development Company. Emulsion polymerisation process. 2,494,326, Jan. 10.
Austin, Chester R., Columbus, Ohio, and E. J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., and Ethyl Corporation, Detroit, Mich. Ceramic batch. 2,494,276, Jan. 10.
Austin, Chester R., Columbus, Ohio, and E. J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., and Ethyl Corporation, Detroit, Mich. Ceramic body and batch for making same. 2,494,277, Jan. 10.
Automatic Electric Laboratories, Inc., assignee: *See*—
Obergfell, Herbert F.
Peterson, Edward S.
Automatic Truck Loader Corporation, assignee: *See*—
Goodman, Joseph F.
Ayres, Waldemar A., Kew Gardens Hills, assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,493,847, Jan. 10.
Ayres, Waldemar A., Kew Gardens Hills, assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,493,848, Jan. 10.
Bachman, Lester E., assignor of one-half to M. G. Bachman, South Ozone Park, N. Y. Self-cleaning rake. 2,494,154, Jan. 10.
Bachman, Mary G., assignee: *See*—
Bachman, Lester E.
Badovinac, Peter, Cleveland, Ohio. Hat attached posture indicator. 2,494,278, Jan. 10.
Baghuis, Ludovicus H., Best, Netherlands. Vehicle for passenger transport. 2,494,081, Jan. 10.
Bahney, Luther W., Elizabeth, N. J., and A. H. Horswell, Jackson Heights, N. Y., assignors to Scovill Manufacturing Company, Waterbury, Conn. Submerged resistor induction furnace. 2,494,501, Jan. 10.
Bahnson, Agnew H., Jr., Winston-Salem, N. C. Air cleaner. 2,493,849, Jan. 10.
Baird, Kenneth M., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. High-speed camera. 2,494,082, Jan. 10.
Baker, Charles S., Corning, assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device. 2,494,279, Jan. 10.
Baker, Earl R., Windsor, N. C. Oil burning furnace with separable burner assembly rings therefor. 2,494,374, Jan. 10.
Baker, Edna M., Chicago, Ill. Hat fastener. 2,493,908, Jan. 10.
Bakker, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrolytically polished graphite anode. 2,494,425, Jan. 10.
Balliett, Charles G.: *See*—
Petz, John L., and Balliett.
Ballou, B. A., & Co. Incorporated, assignee: *See*—
Ballou, Frederick A., Jr.
Ballou, Frederick A., Jr., Providence, R. I., assignor to B. A. Ballou & Co. Incorporated. Solder carrier finding. 2,493,940, Jan. 10.
Barker Poultry Equipment Company, assignee: *See*—
Sharp, Allen.
Barnes, Harold E., East Orange, assignor to Ferris Instrument Laboratories, Boonton, N. J. Electrical capacitance device. 2,494,502, Jan. 10.

Basalt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Brake. 2,494,280, Jan. 10.
Bastin, Edgar J., Jr., Cleveland, and G. V. Lyons, East Cleveland, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Identification card-interlock system. 2,494,155, Jan. 10.
Batchelor, Clyde S., Upper Stepney, and E. L. Carey, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Apparatus for bonding brake linings to brake shoes. 2,494,281, Jan. 10.
Bates, Earl M. and H., Chehalis, Wash. Illuminated compact. 2,494,375, Jan. 10.
Bates, Hannah: *See*—
Bates, Earl M. and H.
Bates Manufacturing Company, The, assignee: *See*—
Faas, Walter.
Bauer, Emma L., assignee: *See*— .
Smith, Alvin W.
Baxter, William C.: *See*—
De Puy, Charles T., and Baxter.
Beahm, Horace C.: *See*—
Jackson, Carey B., Beahm, and Van Andel.
Beasley, John K.: *See*—
Reed, Henry G., and Beasley.
Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,494,467, Jan. 10.
Bechler, André, Moutier, Switzerland. Reversing gear for machine tools. 2,494,156, Jan. 10.
Beck, Reynold C., Jamaica, N. Y. Wall covering tile attached by tape. 2,494,157, Jan. 10.
Begun, Semi J., Cleveland Heights, and M. D. Temple, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic transducing core for magnetic record transducers. 2,493,742, Jan. 10.
Belden, Clark D., Minneapolis, Minn. Armored cable cutter. 2,493,941, Jan. 10.
Beljers, Hugo G. W. Six, and J. te Winkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifier with negative feedback. 2,494,426, Jan. 10.
Bell, Ross E., Vancouver, British Columbia, Canada. Reversible propeller. 2,494,028, Jan. 10.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Blakeborn, Merle C.
Darlington, Sidney.
Harry, William R.
Hersey, Ralph E.
McCoy, Robert G., and Werring.
Lukacs, Joseph J.
Tyrrell, Warren A.
Wilhelm, Henry T.
Below, Hermann P., New Braunfels, Tex. Outboard motor. 2,494,158, Jan. 10.
Bendix Aviation Corporation, assignee: *See*—
Gilbert, Samuel.
Hegy, Louis.
Rigken, Theodore K.
Sylvester, Harcourt M., and Rusk.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint for electric cable systems. 2,493,909, Jan. 10.
Benson, John A., Nahant, Mass., assignor to General Electric Company. Air-cooled spark plug. 2,493,743, Jan. 10.
Benson, Robert E., Wichita Falls, Tex. Testing vat elevator. 2,494,224, Jan. 10.
Berger, Arthur F., assignor to The Master Electric Company, Dayton, Ohio. Interior radially expanding clutch with equalizing means. 2,493,744, Jan. 10.
Berger Brothers Company, The, assignee: *See*—
Versoy, Irving R.
Bernstein, Harry, Elizabeth, N. J. Detachable handle for pots and pans. 2,494,159, Jan. 10.
Bertalan, Edward, Glen Arm, and E. U. Rice, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for treating and testing cores used in coaxial cable units. 2,494,029, Jan. 10.
Best, Lester D., Grand Rapids, Mich. Stacking box handle. 2,494,503, Jan. 10.
Beurtheret, Charles A. E., Asnieres, France, assignor to General Electric Company. Telemetry system. 2,494,327, Jan. 10.
Bidwell, Joseph B., Philadelphia, Pa., and A. F. Underwood, Grosse Point, assignors to General Motors Corporation, Detroit, Mich. Deaerator. 2,494,427, Jan. 10.
Bilbary, William A., Miami, Fla. Striping tool. 2,494,160, Jan. 10.
Bingham, David W., Brighton, Victoria, Australia. Elevator and conveyer for cylindrical articles. 2,493,942, Jan. 10.
Blakeborn, Merle C., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Location of faults in electrical transmission systems. 2,493,800, Jan. 10.
Black, Howard C., assignor to Swift & Company, Chicago, Ill. Stabilization of fatty materials. 2,494,114, Jan. 10.
Blackman, Daniel D., Brooklyn, N. Y. Window construction. 2,494,161, Jan. 10.
Blackmon, Kenneth, Hinsdale, N. Y. Saw set. 2,493,850, Jan. 10.
Blake, Lamont V.: *See*—
Page, Robert M., Distad, and Blake.
Blake, William J., Sandy, Oreg. Scarifying bulldozer. 2,494,225, Jan. 10.
Blaugrund, Marvin J., Shaker Heights, Ohio. Antenna mounting clamp. 2,493,851, Jan. 10.
Blaw-Knox Company, assignee: *See*—
Thomas, William A.
Bley, Fred M., Chicago, assignor to D. E. and F. Yeoman, St. Charles, Ill. Pessary. 2,494,226, Jan. 10.
Blodgett, Katharine B., and V. J. Schaefer, Schenectady, N. Y., assignors to General Electric Company. Making electrical indicators of mechanical expansion. 2,493,745, Jan. 10.
Blondin, George A., Maplewood, Mo. Removable sorting rack. 2,494,030, Jan. 10.
Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Axial flow elastic fluid turbine. 2,494,328, Jan. 10.
Bock, August F. and A. M., Elkhart, Ind. Metallic frame. 2,494,115, Jan. 10.
Bock, August M.: *See*—
Bock, August F., and A. M.
Boedeker, Edward W., Fort Wayne, Ind. Hosiery. 2,493,910, Jan. 10.
Boeing Airplane Company, assignee: *See*—
Smaby, Marcus E.
Bond Foundry & Machine Company, assignee: *See*—
Noros, George C.
Bonkowski, Teofil L., assignor to Merit Products, Inc., Los Angeles, Calif. Sanding block. 2,493,852, Jan. 10.
Booth, Morris F., Alden, Mich. Educational Toy. 2,494,469, Jan. 10.
Borzykowski, Benno, New York, N. Y., assignor to Swiss "Borvisk" Company, Wilmington, Del. Continuous production of synthetic fibers. 2,494,468, Jan. 10.
Boss, Joseph C., Clarendon, Va. Nebulizer. 2,494,504, Jan. 10.
Bossetta, Gaspar R., New Orleans, La. Lifesaving device. 2,493,853, Jan. 10.
Bouchard, Charles S., Wellesley, assignor to Lewis-Shepard Company, Watertown, Mass. Stabilized load-lifting power-actuated truck. 2,494,505, Jan. 10.
Boulger, Morse Destructor Company, assignee: *See*—
Mannheim, Louis R.
Bowden, John L., United States Army. Shorting system for radio coils. 2,493,746, Jan. 10.
Bower, John O., Wyncote, Pa. Surgical suture and method. 2,493,943, Jan. 10.
Boxmeyer, Charles H.: *See*—
Hardman, Ralph W., and Boxmeyer.
Boyce Thompson Institute for Plant Research, Inc., assignee: *See*—
Prill, Edward A.
Synerholm, Martin E.
Bradford, Purdy: *See*—
Gunther, James K., and Bradford.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Signal mixing system. 2,493,801, Jan. 10.
Bradshaw, John R.: *See*—
Faulkner, Harry R., Pettus, and Bradshaw.
Brainard, Ruby C. F., Altadena, Calif. Culinary implement. 2,493,854, Jan. 10.
Brandt, Preston L., Galveston, Tex., assignor to Pan American Refining Corporation, New York, N. Y. Separation by adsorption. 2,493,911, Jan. 10.
Brewer & Company, Inc., assignee: *See*—
Pease, Benjamin F., Jr.
Bristol Aeroplane Company Limited, The, assignee: *See*—
Hafner, Raoul.
Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Acid merocyanine dyes. 2,493,747, Jan. 10.
Brooker, Leslie G. S., and G. H. Keyes, assignors to Eastman Kodak Company, Rochester, N. Y. Merocyanine dyes. 2,493,748, Jan. 10.
Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Dimethine merocyanine dyes. 2,494,031, Jan. 10.
Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Styryl dyes. 2,494,032, Jan. 10.
Brooks, Edward H., Jr., assignee: *See*—
Brooks, Edward H., Sr.
Brooks, Edward H., Sr., assignor of one-half to E. H. Brooks, Jr., Portland, and one-half to E. H. Thompson, Cape Elizabeth, Maine. Fiber scouring and washing bowl. 2,493,944, Jan. 10.
Brown, Clyde A., assignor to The Dole Valve Company, Chicago, Ill. Shaftless butterfly valve. 2,493,736, Jan. 10.
Brown, Jackson M., Starkville, Miss. Distance measuring device. 2,493,912, Jan. 10.
Brown, Walter R., United States Army, Louisville, Ky., R. E. Lushbaugh, New Albany, and J. W. Cull, Mooresville, Ind. Sectional hospital tent. 2,493,749, Jan. 10.
Bruce, William F., Havertown, Pa., G. Mueller, Knoxville, Tenn., and J. Seifter, Willow Grove, and J. L. Szabo, Drexel Hill, assignors to Wyeth Incorporated, Philadelphia, Pa. Barbituric acid derivatives and process for preparing them. 2,494,084, Jan. 10.
Bruce, William F., Upper Darby, assignor to Wyeth Incorporated, Philadelphia, Pa. Disubstituted glycyl derivatives of amino quinolines. 2,494,083, Jan. 10.
Brush Development Company, The, assignee: *See*—
Begun, Semi J., and Temple.
Buck, Joseph A., Toledo, Ohio. Lighting fixture bracket. 2,494,428, Jan. 10.

Bucknam, James H., Cranford, and I. P. Thompson, Elizabeth, N. J., assignors to The Linde Air Products Company. Thermochemically conditioning metal bodies. 2,493,802, Jan. 10.
Bucks, David H., Milwaukee, Wis. Rope glider. 2,493,855, Jan. 10.
Bucksath, Grace, administratrix: *See*—
Bucksath, Russell.
Bucksath, Russell, deceased, late of Long Beach, Calif., by G. Bucksath, administratrix, Long Beach, Calif. Fork lift truck with boom. 2,493,750, Jan. 10.
Buffalo Brake Beam Company, assignee: *See*—
Busch, Charles R.
Buffalo Dental Manufacturing Company, assignee: *See*—
Lewis, John H.
Buhler, Eugen, Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Mounting means for type cylinders. 2,493,856, Jan. 10.
Burkett, Griffith L., Martinsville, Ind. Automatic baler tension. 2,494,033, Jan. 10.
Burns, Bruce, Los Angeles, Calif. Device for applying adhesive tape. 2,493,737, Jan. 10.
Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Hitchings, George H., and Thompson.
Burtis, Theodore A.: *See*—
Kirkbride, Chalmer G., and Burtis.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake beam. 2,493,913, Jan. 10.
Butler, Edmund J., Cordele, Ga., assignor to Maywood Hosiery Mills, Inc. Hosiery inspection device. 2,493,803, Jan. 10.
Calone, Alfred: *See*—
Adelsohn, Norman, and Calone.
Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Multiplaten press. 2,494,162, Jan. 10.
Campbell, James T., Detroit, Mich. Photographic printing frame. 2,494,282, Jan. 10.
Campbell, John F., Cuyahoga Falls, and H. E. Riggs, assignors to Wingfoot Corporation, Akron, Ohio. Stringing springs and the like. 2,494,227, Jan. 10.
Canadian Industries Limited, assignee: *See*—
Robinson, Ivan M., and Janz.
Carey, Edward L.: *See*—
Batchelor, Clyde S., and Carey.
Cargill, Maxwell F., Maywood, assignor to Middleby-Marshall Oven Company, Chicago, Ill. Bake oven conveyer. 2,493,857, Jan. 10.
Caris, Darl F., Dearborn, and W. W. Perkins, Pleasant Ridge, assignors to General Motors Corporation, Detroit, Mich. Gyro precessing means. 2,494,429, Jan. 10.
Carlin, Frank J., Allendale, N. J., assignor to United States Rubber Company, New York, N. Y. Form. 2,494,329, Jan. 10.
Carlson, George J., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Production of unsaturated halides. 2,494,034, Jan. 10.
Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor accelerating pump. 2,493,804, Jan. 10.
Carlson, Victor G.: *See*—
Craft, Glen, and Carlson.
Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Induction coil. 2,494,470, Jan. 10.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Mursch, William H.
Wells, Joseph H., and Wilson, Jr.
Carnwath, James R., Bothell, Wash. Rotating kite. 2,494,430, Jan. 10.
Carpenter, Erwin L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing acrylonitrile. 2,494,116, Jan. 10.
Carroll, Fred M., Binghamton, and A. F. Smith, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Alphabet printing tabulator with program controls. 2,493,858, Jan. 10.
Carter Carburetor Corporation, assignee: *See*—
Carlson, Harold A.
Case, J. I., Company, assignee: *See*—
Evans, Russell T., and Clasen.
Heth, Sherman C.
Russell, Stanley D.
Cassaday, Jack T., and E. I. Hoegberg, Stamford, and B. D. Gleissner, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Carbamylalkyl phosphates and preparation. 2,494,283, Jan. 10.
Cassaday, Jack T. and E. I. Hoegberg, Stamford, and B. D. Gleissner, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Cyanoalkyl phosphates and preparation. 2,494,284, Jan. 10.
Catalin Corporation of American, assignee: *See*—
Davies, Richard E., and Esterly.
Cederholm, Carl I., South Worthington, Mass. Valve construction. 2,494,228, Jan. 10.
Celanese Corporation of America, assignee: *See*—
Elvin, William J., and Stahl.
Slocombe, Basil G. B., and Fulton.
Chadbourn Hosiery Mills, Incorporated, assignee: *See*—
Hutchison, Robert D.
Chandler, Dana G., Toledo, assignor to R. G. Clark, Sylvania, Ohio. Clothesline tightener. 2,494,085, Jan. 10.
Cheatham Electric Switching Device Co., Incorporated, assignee: *See*—
Richterkessing, Frank H.
Chemical Concentrates Corporation, assignee: *See*—
Levin, David.
Chicago Roller Skate Company, assignee: *See*—
Ware, Robert R., Jr.
Christy, Nixon O'N., assignor to H. J. Maulbetsch, Portland, Oreg. Electric furnace. 2,494,035, Jan. 10.
Ciba Limited, assignee: *See*—
Kaiser, Otto.
Ciba Pharmaceutical Products, Inc., assignee: *See*—
Miescher, Karl, and Anner.
Miescher, Karl, and Heer.
Cierva Autogiro Company Limited, The, assignee: *See*—
Watson, Kenneth.
Cincinnati Industries, Inc., assignee: *See*—
Dorst, Paul W.
Circuit Breakers Corporation, assignee: *See*—
Gubing, Frank.
Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Armor for overhead cable mountings. 2,494,285, Jan. 10.
Clark, Delbert H., Grand Rapids, Mich. Extensible ironing board. 2,494,506, Jan. 10.
Clark, Roger G., assignee: *See*—
Chandler, Dana G.
Clarke, Harry D., Waltham, Mass. Scorekeeper. 2,494,330, Jan. 10.
Clarke, Thomas B., and A. A. Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel-pricking means. 2,493,859, Jan. 10.
Clasen, John H.: *See*—
Evans, Russell T., and Clasen.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ventilating apparatus for dynamoelectric machines. 2,494,471, Jan. 10.
Cocks, Russell H., Long Beach, and R. G. Smith, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Gun package. 2,493,945, Jan. 10.
Cohen, Julius: *See*—
Greenblatt, Hyman S., and Cohen.
Collins, Roy T.: *See*—
Rydner, Gustaf W., and Collins.
Collins, Samuel C., Watertown, Mass. Apparatus for winding heat exchangers. 2,494,286, Jan. 10.
Collison, John G., Greensboro, N. C. Bone surgery. 2,494,229, Jan. 10.
Col-Snac Corporation, assignee: *See*—
Ewertz, Clement G.
Compo Shoe Machinery Corporation, assignee: *See*—
Small, Edward F.
Continental Research Corp., assignee: *See*—
Gayer, Frederick H.
Cook, Gordon H.: *See*—
Wikkenhauser, Gustav, Adams, Cook, and Duggan.
Coon, Charles O., Wichita, Kans. Fixture support for toilet paper. 2,494,376, Jan. 10.
Corey, William S., Tujunga, A. B. and R. B. Watt, San Fernando, Calif. Wood slicing machine. 2,493,914, Jan. 10.
Corning Glass Works, assignee: *See*—
Nordberg, Martin E.
Cottrell, C. B., & Sons Company, assignee: *See*—
Luehrs, Hans J.
Coultas, Wilbur J.: *See*—
Andrews, Norman F., Dort, Verger, Coultas, and Hill.
Cowles, Eugene H.: *See*—
Mumford, Manly S., and Cowles.
Craft, Glen, and V. G. Carlson, Cherokee, Iowa. Gradometer. 2,493,946, Jan. 10.
Craig Machine, Inc., assignee: *See*—
Winskowicz, John A.
Cresci, Anthony L., Vineland, N. J. Dump truck. 2,494,377, Jan. 10.
Critchfield, Walter V., St. Albans, W. Va. Swivel base. 2,494,230, Jan. 10.
Cross, Mary F., executor: *See*—
Cross, Roy.
Cross, Roy; M. F. Cross and First National Bank of Kansas City, executors of said R. Cross, deceased, assignors to Kansas City Testing Laboratory, Kansas City, Mo. Phosphoric acid. 2,493,915, Jan. 10.
Cull, John W.: *See*—
Brown, Walter R., Lushbaugh, and Cull.
Cunder, Joseph, East Orange, and F. J. Licata, West Caldwell, assignors to Nopco Chemical Company, Harrison, N. J. Aluminum stearate solution. 2,494,331, Jan. 10.
Curtis, Rowland G., Dover, Ohio. Reinforcing ear for handle bails. 2,494,507, Jan. 10.
Curtis, Russell R., Dayton, Ohio, assignor, by mesne assignments, to Thompson Products, Inc. Pump entry vane construction. 2,494,086, Jan. 10.
Curtiss-Wright Corporation, assignee: *See*—
Griffin, Harry M.
Lyons, Howard F.
Matthews, Arthur F.
Steele, Frederick I., and Heath.
Steele, Frederick I., and Willis.
Swartzel, Karl D., and Frederick.
Ulrich, Arthur E., Hume, Arcarese, and Steele.
Wishart, Herbert W.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture De Machines Du Haut-Rhin, Haut-Rhin, France. Two-speed drive for lathe camshafts. 2,493,738, Jan. 10.

Cyphers, Elmer B., Cranford, N. J., assignor to Standard Oil Development Company. Extreme pressure lubricants. 2,494,332, Jan. 10.

Dahlbäck, Sven H.: *See*—
Larsson, Torsten V., and Dahlbäck.

Daly, Loretta M., Pittsfield, Mass., assignor to General Electric Company. Concentric coil sheath heating unit. 2,494,333, Jan. 10.

Daniels, George H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of chloroprene polymers. 2,494,087, Jan. 10.

Danninger, Felix, Milwaukee, Wis. Tabernacle safe. 2,493,947, Jan. 10.

Daon, Rene, assignor to Yankee Metal Products Corporation, Norwalk, Conn. Automobile spotlight. 2,494,288, Jan. 10.

Darling, Samuel M.: *See*—
Hughes, Everett C., and Darling.

Darlington, Sidney, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Differential analyzer. 2,494,036, Jan. 10.

Darnell, Thomas E., Detroit, Mich. Center punch. 2,494,287, Jan. 10.

Davies, Richard E., Plainfield, and A. R. Esterly, Metuchen, N. J., assignors to Catalin Corporation of America. Copolymers of diallyl fumarate and styrene. 2,493,948, Jan. 10.

Davis, Clarence G., Tracyton, Wash. Combination brush holder and paint can handle. 2,493,751, Jan. 10.

Davis, George F., New Haven, Conn. Adjustable firearm sight. 2,494,163, Jan. 10.

Day, Harold M.: *See*—
Jayne, David W., Day, and Gieseke.

Dear, Earl, New London, assignor to The Hancock Brick & Tile Company, Findlay, Ohio. Tile handling and cut-off mechanism. 2,494,037, Jan. 10.

Deck, George C., Buffalo, N. Y. Hanger for trousers and skirts. 2,493,860, Jan. 10.

Deere & Company, assignee: *See*—
Andrews, Norman F., Dort, Verger, Coultas, and Hill.

Deere Manufacturing Co., assignee: *See*—
Hill, George B.

Dehmel, Richard C., Los Angeles, Calif. Aircraft flight training. 2,494,508, Jan. 10.

De Maestri, Fred A., Burlingame, assignor to The Permanente Metals Corporation, Oakland, Calif. Producing magnesium hydroxide. 2,493,752, Jan. 10.

De Moss, Leonard, Des Moines, Iowa, assignor to Swift & Company, Chicago, Ill. Skinning machine and method. 2,494,138, Jan. 10.

De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,494,164, Jan. 10.

De Saussure, Leo F., Oakland, Calif. Dump trailer for semitrailer type vehicles. 2,494,472, Jan. 10.

Detroit Lubricator Company, assignee: *See*—
Landon, Walter S.

Devens, Joseph M., Springfield, Mass. Vending machine. 2,493,753, Jan. 10.

Devo & Raynolds Company, Inc., assignee: *See*—
Greenlee, Sylvan O.

Dexter, Lyall N., Glen Iris, Victoria, Australia. Apparatus for stripping fabrics. 2,494,378, Jan. 10.

Di Bari, Joseph, Brooklyn, N. Y. Combined bottle cooler and holder. 2,494,289, Jan. 10.

Dickieson, Edward F., Jr., Detroit, Mich., N. L. Dickieson, executrix of said E. F. Dickieson, Jr., deceased. Refrigerating means, including a plurality of fans and adjustable means for driving the same. 2,494,117, Jan. 10.

Dickieson, Nathalie L., executrix: *See*—
Dickieson, Edward F., Jr.

Diebold, Pierre, Nancy, France. Vertical elevator. 2,494,165, Jan. 10.

Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,493,805, Jan. 10.

Distad, Merril F.: *See*—
Page, Robert M., Distad, and Blake.

Dole Valve Company, The, assignee: *See*—
Brown, Clyde A.

Donahue, Joseph, Shamokin, Pa. Wrench having manually closed spring-opened pivoted jaws. 2,493,949, Jan. 10.

Dorfan, Morton I., assignor to Koppers Company, Inc., Pittsburgh, Pa. Apparatus for coating sheet metal articles. 2,493,754, Jan. 10.

Dorst, Paul W., Cincinnati, assignor to Cincinnati Industries, Inc., Lockland, Ohio. Process of and apparatus for making longitudinally and laterally stretchable creped webs. 2,494,334, Jan. 10.

Dort, Russell L.: *See*—
Andrews, Norman F., Dort, Verger, Coultas, and Hill.

Douglas Aircraft Company, Inc., assignee: *See*—
Cocks, Russell H., and Smith.
Urquhart, Archibald M.

Dow Chemical Company, The, assignee: *See*—
Kropscott, Earle L., and Lipke.

Dow, William G., and H. C. Early, Boston, Mass., and H. J. Gomberg, Washington, D. C., assignors to General Motors Corporation, Detroit, Mich. High-frequency inductive welding apparatus. 2,493,950, Jan. 10.

Dowling, Arthur P., Narberth, Pa., assignor to Plastic Products Corp., New York, N. Y. Plastic casket. 2,494,473, Jan. 10.

Driessner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Floating chuck. 2,494,166, Jan. 10.

Droemer, Paul E. H., Hartford, Conn. Tobacco lath. 2,494,379, Jan. 10.

Druyvesteyn, Marl J., and J. L. Meyering, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hardening alloys by indiffusion of a metalloid. 2,493,951, Jan. 10.

Duffy, Edward W.: *See*—
Nies, Brainard W., and Duffy.

Duggan, Richard E.: *See*—
Wikkenhauser, Gustav, Adams, Cook, and Duggan.

Dulity, Nicholas M., Los Angeles, Calif. Colon irrigating device. 2,494,088, Jan. 10.

Dumas, Walter L., Miami, Okla. Portable auxiliary seat for automobiles. 2,493,806, Jan. 10.

Dunlop Rubber Company Limited, assignee: *See*—
Trevaskis, Henry W.

Dunn, Allen P., Phoenix, Ariz. Saxophone mouthpiece. 2,494,231, Jan. 10.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Abernathy, Henry H., and Scott.
Daniels, George H.
Gresham, William F., and Grigsby.
Johnson, Charles C., and Thomas.
Vincent, John R.

Duran, Felix, Earl, Colo. Air vent. 2,493,861, Jan. 10.

Durfee, Benjamin M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Dividing machine. 2,493,862, Jan. 10.

Dutson, Keith J. F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Producing high purity normal heptane. 2,494,335, Jan. 10.

Early, Harold C.: *See*—
Dow, William G., Early, and Gomberg.

Eastman Kodak Company, assignee: *See*—
Altman, Fred E.
Brooker, Leslie G. S., and Keyes.
Brooker, Leslie G. S., and White.
Fairbanks, Henry N.
Frame, Gordon F.
Fuerst, Carl C.
Mitson, Charles H., and Loening.
Nadeau, Gale F., and White.
Reed, Henry G., and Beasley.
Ruggles, Albert C.
Speck, Robert P.
Williams, Franklin C.

Eckstein, Karl J., Hamilton, Ohio. Continuous corrugating mechanism. 2,494,431, Jan. 10.

Eidson, Gilbert J., Irving, Tex. Aerating device for live bait containers. 2,493,952, Jan. 10.

Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Bedspring. 2,494,432, Jan. 10.

Electric and Musical Industries, Limited, assignee: *See*—
Newman, Edward A.

Electric Boat Company, assignee: *See*—
Ritchie, Alexander J.

Electric Terminal Corporation, assignee: *See*—
Martines, Rene.

Ellig, Carl G., Phillips, Tex., assignor to Phillips Petroleum Company. Guided carriage means for flushing the interior of lengths of pipe. 2,494,380, Jan. 10.

Elliott, George E., Jr.: *See*—
Pardee, William A., and Elliott.

Elvin, William J., Frostburg, Md., and E. R. Stahl, Meyersdale, Pa., assignors to Celanese Corporation of America. Creel. 2,493,863, Jan. 10.

Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newall, W. Va. Potteryware decorating machine. 2,493,953, Jan. 10.

Emery, Ray W.: *See*—
Schaefer, Frederick R., and Emery.

Epstein, Alvin N., Chicago, Ill. Combination receiver-transmitter telephone unit. 2,493,954, Jan. 10.

Erhard, William, North Bergen, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Hypodermic unit and making same. 2,494,290, Jan. 10.

Erickson, Walter A., Anchorage, Territory of Alaska. Portable washing plant. 2,493,955, Jan. 10.

Erwin, Wesley S., assignor to General Motors Corporation, Detroit, Mich. Transducer holder. 2,494,433, Jan. 10.

Essex Wire Corporation, assignee: *See*—
Prouty, Robert E.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Control for tiltable mixing drums. 2,494,118, Jan. 10.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Portable power-driven mixer. 2,494,119, Jan. 10.

Essick Manufacturing Company, assignee: *See*—
Essick, Bryant.

Esterly, Amos R.: *See*—
Davies, Richard E., and Esterly.

Estoup, Henri: *See*—
Estoup, Jean.

Estoup, Jean, otherwise known as H. Estoup, Sceaux, assignor to Societe D'Applications Generales D'Electricite et de Mecanique, "Sagem," Paris, France. Telegraphic apparatus of the starting-stopping type. 2,494,232, Jan. 10.

Ethyl Corporation, assignee: *See*—
Austin, Chester R., and Rogers.

Evans, Russell T., and J. H. Clasen, Anaheim, Calif., assignors to J. I. Case Company, Racine, Wis. Elevational control means for tandem disk harrows. 2,494,381, Jan. 10.

Ewertz, Clement G., Des Moines, Iowa, assignor to Col-Snac Corporation, Chicago, Ill. Vending machine. 2,493,956, Jan. 10.

Faas, Walter, South Orange, assignor to The Bates Manufacturing Company, West Orange, N. J. Index device in which a selected sheet is held down and sheets thereabove lifted. 2,494,167, Jan. 10.

Fairbanks, Henry N., West Hollywood, Calif., assignor to Eastman Kodak Company, Rochester, N. Y. Control arrangement for photographic cameras. 2,494,038, Jan. 10.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Condensation drain valve. 2,494,434, Jan. 10.

Farrel-Birmingham Company, Incorporated, assignee: *See*—
Penton, Francisco T.

Faulkner, Harry R., J. N. Pettus, and J. R. Bradshaw, Stanford, Ky. Book support. 2,494,382, Jan. 10.

Fay, James P., assignor to The Predictor Corporation, Norwalk, Conn. Rhythmic cycle indicator. 2,494,291, Jan. 10.

Feather, Charles A., Pittsburgh, Pa. Frictional increasing device of motor vehicles. 2,494,039, Jan. 10.

Feldstein, Henry H., Cleveland, Ohio, and M. J. Feldstein, Arlington, Va. Machine for facilitating changes in arrangement of strips or cards on page card files. 2,494,233, Jan. 10.

Feldstein, Marc J.: *See*—
Feldstein, Henry H. and M. J.

Felt & Tarrant Manufacturing Company, assignee: *See*—
Laiho, Jalmer M.

Ferguson, William M.: *See*—
Jurisich, George J., and Ferguson.

Fermanian, Armen, Rutherford, G. W. Soderman, West Englewood, and W. J. Workman, North Arlington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for soldering lead wires to electrical units. 2,494,474, Jan. 10.

Ferrill, Thomas M., Jr., Hempstead, N. Y. Vehicle speed and path signaling system. 2,493,755, Jan. 10.

Ferris Instrument Laboratories, assignee: *See*—
Barnes, Harold E.

Ferro, Bernardo J., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Expansion refrigeration system and method. 2,494,120, Jan. 10.

Fetherolf, James M., White Plains, G. E. Forrest, Beechhurst, and F. W. See, Bronx, N. Y., assignors to The Sperry Corporation. Electrical connector socket. 2,493,756, Jan. 10.

Fiat S. A., assignee: *See*—
Mongitore, Pietro.

Fichter, Ludwig J.: *See*—
Schwarz, Bertram A., and Fichter.

Firm Societe d'Exploitation des Procedes Dabeg, assignee: *See*—
Rime-Bruneau, Paul.

First National Bank of Kansas City, executor: *See*—
Cross, Roy.

Fish, John R., Springfield, Mass. Liquid consumption device. 2,493,757, Jan. 10.

Fisher, Roy A., assignee: *See*—
Kurtz, George E.

Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Flexible trigger throttle. 2,493,957, Jan. 10.

Fleming, James E., West Springfield, Mass. Shock absorber. 2,493,739, Jan. 10.

Flora, Rudolph F.: *See*—
Olsen, Ernest R., Flora, and Lonnee.

Floraday, Burton S., Toledo, Ohio, assignor to Marvel Equipment Corporation, Detroit, Mich. Vehicle window guide. 2,494,040, Jan. 10.

Florence Pipe Foundry & Machine Company, assignee: *See*—
Camerota, Louis A.

Foerstner, George C., assignor to Amana Society, Amana, Iowa. Multiple compartment refrigerator. 2,493,958, Jan. 10.

Food Machinery and Chemical Corporation, assignee: *See*—
Plueddemann, Edwin P.

Foran, John E., Bement, Ill. Wire reeling attachment for tractors. 2,494,383, Jan. 10.

Forman, Benjamin G., Brooklyn, assignor to Wilbe Research Corporation, New York, N. Y. Steaming and pressing machine. 2,493,864, Jan. 10.

Formichella, Thomas, West Haven, Conn. Man's shorts. 2,494,169, Jan. 10.

Forrest, Gerard E.: *See*—
Fetherolf, James M., Forrest and See.

Forslund, Bror W., Savedalen, and A. H. R. C. Hoppe, Goteborg, Sweden, assignors to SKF Industries, Inc., Philadelphia, Pa. Plug gauge. 2,494,168, Jan. 10.

Foster, Emery L., Raytown, Mo. Gun sight mount. 2,493,865, Jan. 10.

Foulke, Louise M. J., Brooklyn, N. Y. Iceboat or other runnered vehicle. 2,493,959, Jan. 10.

Frame, Gordon F., assignor to Eastman Kodak Company, Rochester, N. Y. Derivatives obtained by reacting gelatin and furoyl halides. 2,494,041, Jan. 10.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,494,234, Jan. 10.

Frazer, Ruth V., San Francisco, Calif. Garment construction. 2,494,292, Jan. 10.

Frederick, Carl L.: *See*—
Swartzel, Karl D., and Frederick.

Frederick, Jean R., Conneaut, Ohio. Transfer apparatus for loading conveyers. 2,493,807, Jan. 10.

Freeman, Sydney W., White Plains, assignor to General Railway Signal Company, Rochester, N. Y. Crossover protection system for railroads. 2,494,435, Jan. 10.

Freygang, Walter H., Bloomfield, N. J., assignor to Kidde Manufacturing Co., Inc. Production of carbon dioxide snow. 2,493,759, Jan. 10.

Friedrich, Eitel J., London, Ohio. Torque measuring device. 2,493,758, Jan. 10.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter trigger lock. 2,494,042, Jan. 10.

Fulton, Stephen M.: *See*—
Slocombe, Basil G. B., and Fulton.

Gadzinski, Thaddeus S. and Z. F., Hamtramck, Mich. Fishing lure. 2,494,384, Jan. 10.

Gadzinski, Zigmund F.: *See*—
Gadzinski, Thaddeus S. and Z. F.

Galion Iron Works & Manufacturing Company, The, assignee: *See*—
Wright, Fred J.

Garrigus, Samuel W., Inglewood, Calif. Water injection system for internal-combustion engines. 2,493,808, Jan. 10.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Manufacture of polyphosphates. 2,493,809, Jan. 10.

Gayer, Frederick H., Chicago, assignor to Continental Research Corp., Chicago Heights, Ill. Recovery of abietic acid. 2,493,866, Jan. 10.

Gayer, Frederick H., Chicago, assignor to Continental Research Corp., Chicago Heights, Ill. Recovery of abietic acid in the form of its quarter salt. 2,493,867, Jan. 10.

Gaylord Container Corporation, assignee: *See*—
George, Walter C., and Klasing.

General Aniline & Film Corporation, assignee: *See*—
Orkin, Bernard A.
Schofield, Harold E.

General Electric Company, assignee: *See*—
Benson, John A.
Beurtheret, Charles A. E.
Blodgett, Katharine B., and Schaefer.
Bloomberg, David J.
Daly, Loretta M.
Keister, James E.
Leigh, Henry H.
Manke, Arthur G.
Mannal, Clifford.
Martin, Eric H. B.
Mittermaier, Armin F.
Moyer, Elmo E., and Quill.
Rogers, George L.
Scarbrough, Harry E., and Jones.
Shaw, Robert J.
Sills, Hubert R.
Young, Allan M.

General Motors Corporation, assignee: *See*—
Bidwell, Joseph B., and Underwood.
Carls, Darl F., and Perkins.
Carlson, Wilbur L.
Claytor, Edward M.
Dow, William G., Early, and Gomberg.
Erwin, Wesley S.
Hendricks, Walter H.
Rydner, Gustaf W., and Collins.
Schwarz, Bertram A., and Fichter.
Schwarz, Bertram A., Stelzl, and Wright.
Tynan, Andrew G., and Guyton.
Williams, Lawrence, and Vosler.

General Railway Signal Company, assignee: *See*—
Freeman, Sydney W.

George, Walter C., St. Louis, and A. P. Klasing, Webster Groves, assignors to Gaylord Container Corporation, St. Louis, Mo. Manufacturing collapsible cellular container partitions. 2,494,437, Jan. 10.

Gerety, Gene: *See*—
Weintrob, Max M., and Gerety.

Gerhardt, Andrew H., Skokie, Ill., assignor to Thor Corporation. Combined clothes washer and extractor. 2,494,436, Jan. 10.

Gibson, George M., Bellevue, Iowa, assignor to Reconstruction Finance Corporation, Chicago, Ill. Disappearing wringer washing machine. 2,493,916, Jan. 10.

Gideon, Minor B.: *See*—
Gorka, Elynor D., and Gideon.

Gierwiatowski, Olgierd, Oak Park, assignor to E. F. Andrews, Chicago, Ill. Stop-on-signal radio apparatus. 2,494,235, Jan. 10.

Gilbert, Everett A., Lake Hiawatha, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Phonograph pickup. 2,494,438, Jan. 10.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter liquid lock detector. 2,494,385, Jan. 10.

Gilliman, William C., Hanwell, London, assignor to Packers Supply Company Limited, New Malden, Surrey County, England. Apparatus for making a joint in a flat metal sleeve for overlapping portions of metal strapping. 2,494,386, Jan. 10.

Gilmore, Samuel E.: *See*—
Rittenhouse, Howard E., and Gilmore.

Gipson, Charles O., assignor to Heinz Manufacturing Company, Inc., Elwood, Ind. Collapsible floral rack. 2,493,810, Jan. 10.

Givandan Corporation, The, assignee: *See*—
Wood, Thomas F.

Gladden, Charles S., Brooklyn, N. Y. Method and apparatus for burning fine solids. 2,493,960, Jan. 10.

Gleissner, Bruce D.: *See*—
Cassaday, Jack T., Hoegberg, and Gleissner.

Glorioscope, Inc., assignee: *See*—
Robbins, Browning G.

Goetter, Allan, Wauwatosa, Wis. Repair coupling for Christmas tree branches. 2,494,476, Jan. 10.

Goldfield, Edwin R., and R. C. Schiring, University Heights, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Tube shipping cradle. 2,494,170, Jan. 10.

Goldstein, Jacob M., Wilkes-Barre, Pa. Pie-making machine. 2,494,236, Jan. 10.

Golkoski, Bernard A., Washington, D. C. Focusing control stop for cameras. 2,494,237, Jan. 10.

Gomberg, Henry J.: *See*—
Dow, William G., Early, and Gomberg.

Goodloe, Alfred M., Upper Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Wick for oil burners. 2,493,961, Jan. 10.

Goodman, Joseph F., assignor to Automatic Truck Loader Corporation, New York, N. Y. Self-loading truck. 2,494,171, Jan. 10.

Goodrich, B. F., Company, The, assignee: *See*—
Krupp, Carroll P.
Slemmons, Charles O.
Wigal, Voorhis F.

Goodyear Aircraft Corporation, assignee: *See*—
Jonard, Howard A., and Polzin.

Gorka, Elynor D., and M. B. Gideon, Kansas City, Mo. Thread-cutting thimble. 2,494,439, Jan. 10.

Gorton Heating Corporation, assignee: *See*—
Gorton, Joseph A.

Gorton, Joseph A., Montclair, assignor to Gorton Heating Corporation, Cranford, N. J. Radiator vent valve. 2,494,293, Jan. 10.

Graham, William T., Amarillo, Tex. Vibrating plow and mounting therefor. 2,493,811, Jan. 10.

Grainger, Loren O., South Gate, Calif. Timed electrical system. 2,494,121, Jan. 10.

Gray, Everett J., San Dimas, assignor, by mesne assignments, to J. B. Hitchings, Long Beach, Calif. Fluid control and by-pass tool. 2,493,962, Jan. 10.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.

Graydon, John A., Hawthorne, N. J. Stringed musical instrument and bow. 2,493,812, Jan. 10.

Greenberg, Alvin A., Baltimore, Md. Plurality capsule. 2,494,294, Jan. 10.

Greenblatt, Hyman S., Newton Highlands, and J. Cohen, Mattapan, Boston, Mass., said Cohen assignor to said Greenblatt. Wearing apparel. 2,493,813, Jan. 10.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Compositions of resinous epoxides and aromatic sulfonamide-aldehyde condensates. 2,494,295, Jan. 10.

Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic recording. 2,493,963, Jan. 10.

Gresham, William F., and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of substituted alkyloltetrahydropyran. 2,493,964, Jan. 10.

Griesbaum, Henry G., Pevely, Mo. Adjustable calculating chart. 2,494,172, Jan. 10.

Griffin, Harry M., Webster Groves, Mo., assignor to Curtiss-Wright Corporation. Air gun rivet feed. 2,493,868, Jan. 10.

Griggs, Henry C., and L. J. Litalien, assignors to The Waterbury Farrel Foundry & Machine Co., Waterbury, Conn. Making gray cast iron. 2,494,238, Jan. 10.

Grigsby, William F.: *See*—
Gresham, William F., and Grigsby.

Groody, Albert E., Brooklyn, N. Y. Automatic closure for collapsible tubes. 2,493,814, Jan. 10.

Gross, Bernard, San Diego, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Sealing compositions and making same. 2,494,336, Jan. 10.

Grow, Harlow B., Linden, Mo. Mechanical kaleidoscope. 2,494,239, Jan. 10.

Gruska, Stanley P., Hibbing, Minn. Boat trailer. 2,494,509, Jan. 10.

Gubing, Frank, Brooklyn, assignor to Circuit Breakers Corporation, New York, N. Y. Circuit breaker. 2,494,122, Jan. 10.

Guignabert, Joseph P., Thiers, France. Combined tool. 2,494,089, Jan. 10.

Guilbert, Nicholas R., Jr., Chestnut Hill, Pa. Collapsible safety gate. 2,493,815, Jan. 10.

Gulf Research & Development Company, assignee: *See*—
Muskat, Morris, Parker, and Kehl.
Pardee, William A., and Elliott.

Gunther, James K., Decatur, Ind., and P. Bradford, Palos Heights, Ill., assignors, by mesne assignments, to Swift & Company, Chicago, Ill. Handling powdered material. 2,494,296, Jan. 10.

Guthman, Edwin I., & Co., Inc., assignee: *See*—
Morris, Raymond A., and Iverson.

Gutzwiller, Ernst, assignor to Sandoz Ltd., Basel, Switzerland. Dyestuffs of the anthraquinone series. 2,494,240, Jan. 10.

Guyton, James H.: *See*—
Tynan, Andrew G., and Guyton.

Gwinn, Joseph M., Jr., San Diego, Calif. Aircraft. 2,494,090, Jan. 10.

Haantjes, Johan, and B. W. van Ingen Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement producing a direct voltage for supplying a cathode-ray tube. 2,494,241, Jan. 10.

Haefele, John W., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Emulsion polymerization of styrene. 2,493,965, Jan. 10.

Hafner, Raoul, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Control means for the blades of the sustaining rotor of a rotary-wing aircraft. 2,493,869, Jan. 10.

Hagerbaumer, William A.: *See*—
Johnson, George L., and Hagerbaumer.

Halterman, Guy R.: *See*—
Jacobs, Leroy R., and Halterman.

Hancock Brick & Tile Company, The, assignee: *See*—
Dear, Earl.

Hanhart, Walther: *See*—
Straub, Fritz, Hanhart, and Mannhart.

Harding, Robert, Jr., assignee: *See*—
Walling, Lawrence J.

Hardman, Ralph W., and C. H. Boxmeyer, St. Joseph, Mo. Boat structure. 2,493,816, Jan. 10.

Hardy, John N., assignor to Roto-Cast Foundry Equipment, Inc., Coldwater, Mich. Adjustable rotary table. 2,494,242, Jan. 10.

Hare, Terence G., Saginaw, Mich. Powered three-wheeled vehicle. 2,493,817, Jan. 10.

Harker, John S., Vineland, N. J., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Glassworking machine. 2,494,387, Jan. 10.

Harris, Frederick: *See*—
Spriggs, James O., and Harris.

Harris, Gus G., assignee: *See*—
Miller, Stephen J.

Harris, J. M., Jr., Fort Worth, Tex. Flow valve. 2,494,091, Jan. 10.

Harrison, Laurence E., Fallbrook, assignor of one-half to M. J. Anderson, Hollister, Calif. Making an avocado food product. 2,493,818, Jan. 10.

Harry, William R., Milwaukee, Wis., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized feed-back condenser microphone. 2,493,819, Jan. 10.

Hartford National Bank and Trust Company, assignee: *See*—
Bakker, Jan.
Beljers, Hugo G., Six, and Winkel.
Druyvesteyn, Mari J., and Meyering.
Haantjes, Johan, and van Ingen Schenau.
Le Poole, Jan Bart.
Posthumus, Klaas.
Vivie, Wilhelmus L. L.
Vivie, Wilhelmus L. L., and van de Lee.

Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,493,966, Jan. 10.

Hartwick, Josephine, administratrix: *See*—
Hartwick, Louis M.

Hartwick, Louis M., Beaver, Pa.; M. J. Hartwick, administratrix of said L. M. Hartwick, deceased. Chemical injection device. 2,493,870, Jan. 10.

Hass, Albert C., Elmhurst, Ill. Electric extension cord plug. 2,493,871, Jan. 10.

Hassell, Alton J. H., Spokane, Wash. Boiler combustion chamber control. 2,494,173, Jan. 10.

Hassold, Victor C., Wyndmoor, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Reed for looms. 2,494,123, Jan. 10.

Hastings Manufacturing Company, assignee: *See*—
Olsen, Ernest R., Flora, and Lonnee.

Haynes, Harold E., Indianapolis, Ind., assignor to Radio Corporation of America. Spectrophotometer apparatus having a rotating slotted wheel to decrease light intensity. 2,494,440, Jan. 10.

Hayward, John T., Solomons, Md. Apparatus for logging wells in terms of drilling rates. 2,494,092, Jan. 10.

Heath, Jesse M.: *See*—
Steele, Frederick I., and Heath.

Heer, Jules: *See*—
Miescher, Karl, and Heer.

Hegy, Louis, Glendale, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Alarm initiator for pumping systems. 2,494,124, Jan. 10.

Heintz Manufacturing Company, assignee: *See*—
Lambert, Francis M.

Heinz Manufacturing Company, Inc., assignee: *See*—
Gipson, Charles O.

Helms Industrial Development Company, assignee: *See*—
Tungett, George, Helms, and Morris.

Helms, Travis R.: *See*—
Tungett, George, Helms, and Morris.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for contacting finely divided solid particles with gaseous materials. 2,494,337, Jan. 10.

Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Composite resinous coated metal and making same. 2,494,297, Jan. 10.

Hemphill Company, assignee: *See*—
Wawzonek, Joseph.

Hendricks, Walter H., Berkley, assignor to General Motors Corporation, Detroit, Mich. Leak testing unit. 2,493,967, Jan. 10.

Hengstebeck, Robert J., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion. 2,493,917, Jan. 10.

Henry, Thomas H., Los Angeles, Calif. Wheel balancer. 2,493,872, Jan. 10.

Hepner, Charles, Chicago, Ill. Method and apparatus for making batt-covered sheets. 2,493,968, Jan. 10.

Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,493,760, Jan. 10.

Heresite & Chemical Company, assignee: *See*—
Hempel, Charles H.

Herring, Leslie N., Hammond, Ind. Shoe for blowtorch scarfing head. 2,493,820, Jan. 10.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fringe office arrangement. 2,494,475, Jan. 10.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Combination harvesting and ensilage cutting machine. 2,494,388, Jan. 10.

Hill, C. V., & Company, Inc., assignee: *See*—
MacMaster, Malcolm D.
MacMaster, Malcolm D., and Smith.

Hill, Frank A., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Explosion gas turbine plant. 2,493,873, Jan. 10.

Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Harvester with means for conversion from chopper to windrower. 2,493,918, Jan. 10.

Hill, Stanley E.: *See*—
Andrews, Norman F., Dort, Verger, Coultas, and Hill.

Hill, Thomas G., Round Bay, Md. Fish lure. 2,494,093, Jan. 10.

Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Method and apparatus for electronically determining particle size distribution. 2,494,441, Jan. 10.

Hinkley, Henry R., Lebanon, assignor to NoMend Hosiery, Inc., Philadelphia, Pa. Stocking. 2,494,174, Jan. 10.

Hitchings, John B., assignee: *See*—
Gray, Everett J.

Hoder, Frank J., Jr., assignor to Marine Products Company, Detroit, Mich. Adapter for vehicle-mounted machines. 2,494,175, Jan. 10.

Hoeber, Barbara O. W., executor: *See*—
Hoeber, Harold.

Hoeber, Harold, South Dartmouth, B. O. W. Hoeber and W. T. Read as executors of said H. Hoeber, deceased, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Protection rod spring. 2,493,821, Jan. 10.

Hoegberg, Erick I.: *See*—
Cassaday, Jack T., Hoegberg, and Gleissner.

Hoegberg, Erick I., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Organic phosphate esters and preparation. 2,494,126, Jan. 10.

Holmberg, John K. O. H., Stockholm, Sweden. Producing toilet soap. 2,494,127, Jan. 10.

Holmes, Oscar J., Chicago, Ill. Mounting for photoelectric cells. 2,493,919, Jan. 10.

Holmquist, John L., Aliquippa, Pa., and P. W. Pheneger, Ypsilanti, Mich., assignors to The National Supply Company, Pittsburgh, Pa. Increasing the axial tensile strength of threaded joints. 2,494,128, Jan. 10.

Holton, Jesse A., Sr., West Hartford, Conn., assignor to Underwood Corporation. Copyholder. 2,494,129, Jan. 10.

Home Protection Company, Inc., assignee: *See*—
Andres, Ray C.

Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
Baird, Kenneth M.

Hoosac Mills Corporation, assignee: *See*—
Hoeber, Harold.

Hoppe, Albert H. R. C.: *See*—
Forslund, Bror W., and Hoppe.

Horstman, Richard L.: *See*—
Oelke, Floyd L., and Horstman.

Horstman, Walter G., Des Moines, Iowa. Exercising stool. 2,494,094, Jan. 10.

Horswell, Alfred H.: *See*—
Bahney, Luther W., and Horswell.

Houdry Process Corporation, assignee: *See*—
Strader, Leroy F.

Houlis, Louis D., Cincinnati, Ohio. Pressure ribbon-type gas burner. 2,494,243, Jan. 10.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Adhesive applying mechanism. 2,494,176, Jan. 10.

Howell, Lloyd: *See*—
Turner, Ralph, and Howell.

Hughes, Everett C., Cleveland Heights, and S. M. Darling, assignors to The Standard Oil Company, Cleveland, Ohio. Cracking catalyst and cracking process utilizing the same. 2,493,761, Jan. 10.

Hughes, Everett C., Cleveland Heights, and H. M. Stine, East Cleveland, Ohio, assignors to The Polymerization Process Corporation, Jersey City, N. J. Polymerization of propylene in the presence of isobutane. 2,494,510, Jan. 10.

Hull, Washington, Oroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Acid-curing thermosetting resin compositions, curing same, and products thereof. 2,494,095, Jan. 10.

Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package and making the same. 2,494,177, Jan. 10.

Hume, Harold F.: *See*—
Ulrich, Arthur E., Hume, Arcarese, and Steele.

Hume, Horace D., Mendota, Ill. Trailer hitch. 2,493,874, Jan. 10.

Hunter, Frank B., Van Nuys, Calif., assignor to C. A. Miketta. Hydraulic cylinder construction. 2,493,875, Jan. 10.

Huntley, Ernest A., assignee: *See*—
Wolff, Harry J. D.

Hutchings, George H., Tuckahoe, N. Y., and R. L. Thompson, Richmond, Va., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. 5-acylamino uracils and making the same. 2,494,125, Jan. 10.

Hutchison, Robert D., Croydon, Pa., assignor to Chadbourn Hosiery Mills, Incorporated. Straightening pull-threads in nylon hose. 2,493,876, Jan. 10.

Hyde Manufacturing Company, assignee: *See*—
Soldani, Albert.

Hyster Company, assignee: *See*—
Zwald, Adolph.

Imbert, Roger J., assignor to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France. Gas turbine. 2,494,178, Jan. 10.

Industrial Rayon Corporation, assignee: *See*—
Rinehart, Carl D., and Kocsuta.

Inland Steel Company, assignee: *See*—
Thompson, Roy J.

Ingersoll-Rand Company, assignee: *See*—
Baker, Charles S.
Hill, Frank A.

International Business Machines Corporation, assignee: *See*—
Ayres, Waldemar A.
Buhler, Eugen.
Carroll, Fred M., and Smith.
Durfee, Benjamin M.
Last, James.
Petz, John L., and Balliett.

International Nickel Company, Inc., The, assignee: *See*—
Rogge, Robert H., and Roehl.

Iowa Manufacturing Company, assignee: *See*—
Pollitz, Harold C.

Israelson, Albert, Hartington, Nebr. Article securing means. 2,494,130, Jan. 10.

Iverson, Frank A.: *See*—
Morris, Raymond A., and Iverson.

Jackson, Carey B., Wilkinsburg, H. C. Beahm, Evans City, and A. C. Van Andel, Harmony, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Oxygen generating canister. 2,494,131, Jan. 10.

Jacobs, Leroy R., and G. R. Halterman, Yellow Springs, Ohio. Dumping mechanism for farm vehicles. 2,493,877, Jan. 10.

James, Floyd D., Whittier, Calif. Heat exchanger. 2,493,969, Jan. 10.

James, William R.: *See*—
Simons, Joseph H., Pearlson, and James.

Janz, George J.: *See*—
Robinson, Ivan M., and Janz.

Jayne, David W., Old Greenwich, H. M. Day, Stamford, and E. W. Gieseke, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of acidic minerals. 2,494,132, Jan. 10.

Jeckel, Norman C., Glens Falls, N. Y. Braided product and producing the same. 2,494,389, Jan. 10.

Jeffrey Manufacturing Company, The, assignee: *See*—
Wright, Fred J.

Jefts, Albert W., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Neutralizing and completely removing salts before distilling crude high-boiling esters. 2,494,133, Jan. 10.

Jocelyn, Douglas L., Detroit, Mich. Ice tray. 2,494,043, Jan. 10.

Johns-Manville Corporation, assignee: *See*—
Zettel, Joseph H.

Johnson, Alfred, Buffalo, N. Y. Electrical pickup. 2,494,390, Jan. 10.

Johnson, Charles C., and R. E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fire-resistant opaque window shade material and making same. 2,494,391, Jan. 10.

Johnson, Earl M., assignee: *See*—
Luton, Dempsey A.

Johnson, Elmer G., Hibbing, Minn. Bobber for fishing lines. 2,493,971, Jan. 10.

Johnson, George L., New York, N. Y., and W. A. Hagerbaumer, Westfield, N. J., assignors to Sonony-Vacuum Oil Company, Incorporated. Heater. 2,493,970, Jan. 10.

Johnson & Johnson, assignee: *See*—
Adams, Whitney R.

Johnston, Burton P., Los Angeles, Calif. Saw blade holding attachment for pliers. 2,493,972, Jan. 10.

Jonard, Howard A., and M. H. Polzin, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Commutator-connector. 2,494,244, Jan. 10.

Jones, Floyd D., New York, N. Y. Device for opening clogged lubrication fitting passages. 2,494,298, Jan. 10.

Jones, Leslie W., Beemer, Nebr. Throat plate for corn shellers. 2,493,973, Jan. 10.

Jones, Norman B.: *See*—
Scarbrough, Harry E., and Jones.

Josselson, Joseph, Carmody Hills, Md. Base bag with cover. 2,494,511, Jan. 10.

Josff, Josef, Prague, Czechoslovakia. Two-cycle internal-combustion engine. 2,493,974, Jan. 10.

Jurisich, George J., and W. M. Ferguson, Los Angeles, Calif. Mixing valve. 2,494,044, Jan. 10.

Kafer, Clare H., and H. D. White, Adrian, assignors to Revco, Inc., Deerfield, Mich. Milk cooler having automatic control means. 2,494,512, Jan. 10.

Kaiser, Otto, Dornach, assignor to Ciba Limited, Basel, Switzerland. Trisazo-dyestuffs. 2,493,975, Jan. 10.

Kansas City Testing Laboratory, assignee: *See*—
Cross, Roy.

Kapp, Roland. Newark, F. D. Pickel, Flemington, and L. T. Rosenberg, Ridgefield Park, assignors to Nopco Chemical Company, Harrison, N. J. Extraction of lactones. 2,494,338, Jan. 10.

Karlsson, Karl A., Skäpafors, Sweden. Wire guide for papermaking machines. 2,494,245, Jan. 10.

Karp, Marvin I., New York, N. Y. Match holder. 2,493,920, Jan. 10.

Kauffman, Howard B., Cuyahoga Falls, Ohio. Combination high chair. 2,494,045, Jan. 10.

Kearney & Trecker Corporation, assignee: *See*—
Parsons, Fred A.

Kehl, William L.: *See*—
Muskat, Morris, Parker, and Kehl.

Keister, James E., Scotia, N. Y., assignor to General Electric Company. Noise-reducing pulse-echo locating equipment. 2,494,339, Jan. 10.

Keller, Hans, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Generation of grid voltages for the grids of converters. 2,494,246, Jan. 10.

Kellogg, Homer G., Highland Park, assignor to Motor Products Corporation, Detroit, Mich. Apparatus for securing workpieces together. 2,494,096, Jan. 10.

Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.

Kenworth Motor Truck Corporation, assignee: *See*—
Simi, Hendrick E.

Keyes, Grafton H.: *See*—
Brooker, Leslie G. S., and Keyes.

Kidde Manufacturing Co., Inc., assignee: *See*—
Freygang, Walter H.

King Company, The, assignee: *See*—
Anderson, George A. M.

King, Robert S., Bonners Ferry, Idaho. Detachable illuminated card holder. 2,494,179, Jan. 10.

King-Seeley Corporation, assignee: *See*—
Larsen, Torleif I.

King, Walter E.: *See*—
Klemm, Lawrence C., and King.

Kinish, Arthur R., assignor to Perfect Seal Manufacturing Company, Incorporated, Highland Park, Mich. Weather strip for doors. 2,494,247, Jan. 10.

Kirkbride, Chalmer G., and T. A. Burtis, assignors to Texas A. and M. Research Foundation, College Station, Tex. Process and apparatus for treating emulsions. 2,494,392, Jan. 10.

Kirtz, Laura L., Cleveland, Ohio. Hosiery guard. 2,493,878, Jan. 10.

Klasing, Arthur P.: *See*—
George, Walter C., and Klasing.

Klemm, Lawrence C., and W. E. King, Ashland, Ohio. Merchandise dispenser. 2,493,976, Jan. 10.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding method employing electrical energy storage means. 2,493,762, Jan. 10.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Oscillator circuit. 2,494,046, Jan. 10.

Klinefelter, Theron A., Tuscaloosa, Ala. Producing lightweight aggregate from clay. 2,493,763, Jan. 10.

Knerr, Horace C., assignee: *See*—
Magnin, Jacques.

Kochman, Herman S., Brooklyn, N. Y. Glove. 2,493,977, Jan. 10.

Kocsuta, Michael: *See*—
Rinehart, Carl D., and Kocsuta.

Koller, Peter B., Jr., Buffalo, N. Y. Picture frame. 2,494,097, Jan. 10.

Konlskey, Ted, Bayfield, Wis. Attachment for wheels. 2,493,879, Jan. 10.

Koonz, Carl H.: *See*—
Trelease, Richard D., and Koonz.

Koppers Company, Inc., assignee: *See*—
Dorfan, Morton I.

Koppin, Eugene P., Belleville, Mich. Electrically controlled baseball game. 2,494,248, Jan. 10.

Korfmann, Frederick W., Long Island City, N. Y. Gas meter valve. 2,493,880, Jan. 10.

Koubek, William F., Cuba, N. Y., assignor, by mesne assignments, to Acme Electric Corporation. Laminated reactor. 2,494,180, Jan. 10.

Kromer, Arthur M., Minneapolis, Minn. Collapsible stand for bumper jacks. 2,493,978, Jan. 10.

Kropscott, Earle L., Midland, and P. H. Lipke, Midland County, assignors to The Dow Chemical Company, Midland, Mich. Surface treated ethylcellulose articles and making same. 2,494,513, Jan. 10.

Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing closure. 2,494,249, Jan. 10.

Kudd, Rudolph, Passaic, N. J. Fruit-coring implement. 2,493,979, Jan. 10.

Kurtz, George E., Petoskey, assignor of one-half to R. A. Fisher, Plymouth, Mich. Urinal collecting garment. 2,494,477, Jan. 10.

Kusto, Thaddeus J.: *See*—
McCoy, Rawley D., and Kusto.

Kuzma, Joseph, Bellmore, N. Y. Door lock. 2,494,478, Jan. 10.

La Coeur Company, assignee: *See*—
Miller, Harry C.

Ladd, Parks R., Junction City, Ky. Lifting gate latch. 2,493,881, Jan. 10.

Laiho, Jalmer M., Skokie, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Electrical circuit controller. 2,494,181, Jan. 10.

Lamb, Thomas, New York, N. Y. Handle. 2,493,764, Jan. 10.

Lambert, Francis M., Narbeth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Door latch structure. 2,493,882, Jan. 10.

Lambert, Francis M., Narbeth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Handle retaining structure for doors. 2,493,980, Jan. 10.

Lamson, Otis F., Seattle, Wash. Removable appliance for use as an artificial dam in cases of rectal incontinence. 2,494,393, Jan. 10.

Landis Machine Company, assignee: *See*—
Pearson, Walter.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Heating apparatus and fuel flow controlling means therefor. 2,494,394, Jan. 10.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Magnetically operated safety valve closing device. 2,494,395, Jan. 10.

Lang, John, Brooklyn, N. Y. Combined welt seam presser foot. 2,494,182, Jan. 10.

Lansing, Donald H.: *See*—
Pfeiffer, Frank F., Lansing, and Smith.

Larsen, Torleif I., Farmington, assignor to King-Seeley Corporation, Ann Arbor, Mich. Speed governor. 2,493,883, Jan. 10.

Larsson, Torsten V., and S. H. Dahlbäck, Skelleftea, Sweden. Prosthesis. 2,493,884, Jan. 10.

Last, James, Southampton Row, England, assignor to International Business Machines Corporation, New York, N. Y. Electromagnet. 2,493,885, Jan. 10.

Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,493,981, Jan. 10.

Laughlin, Homer, China Company, The, assignee: *See*—
Emerson, Walter H.

Lay, John L., Ogden, assignor to A. H. Wirz, Inc., Chester, Pa. Affixing liners to caps. 2,494,047, Jan. 10.

Lebertre, Maurice: *See*—
Mozzanini, Georges G., and Lebertre.

Le Compte, George C., Arlington, Va. Modification of and shrinkproofing of wools with amines. 2,493,765, Jan. 10.

Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compartment door latch. 2,494,048, Jan. 10.

Lee, Floyd J., Fullerton, Calif., assignor to Akron Brass Mfg. Company, Inc., Wooster, Ohio. Spray head for fire sprinkler systems. 2,493,982, Jan. 10.

Leigh, Henry H., Scotia, N. Y., assignor to General Electric Company. Electronic control system for dynamo-electric machines. 2,494,340, Jan. 10.

Le Poole, Jan Bart, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron microscope comprising magnetic focusing. 2,494,442, Jan. 10.

Levin, David, Philadelphia, assignor to Chemical Concentrates Corporation, Fort Washington, Pa. Producing fumaric acid. 2,494,049, Jan. 10.

Levy, Sidney E., Brooklyn, assignor to University Loudspeakers, Inc., New York, N. Y. Reentrant horn assembly. 2,494,134, Jan. 10.

Lewis, John H., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Temperature control device. 2,494,299, Jan. 10.

Lewis-Shepard Company, assignee: *See*—
Bouchard, Charles S.

Licata, Francis J.: *See*—
Cunder, Joseph, and Licata.

Lieber, Eugene: *See*—
Miller, Pharis, and Lieber.

Lieber, Eugene, New York, N. Y., assignor to Standard Oil Development Company. Lubricant composition. 2,494,341, Jan. 10.

Liggett, Robert W., and W. C. Mussulman, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Production of the amylase of bacillus macerans. 2,494,514, Jan. 10.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Friction device. 2,494,300, Jan. 10.

Lincoln, John W., Stonington, Conn. Control system for hydraulically actuated valves and the like. 2,494,183, Jan. 10.

Linde Air Products Company, The, assignee: *See*—
Bucknam, James H., and Thompson.

Linder, Martin W., Alviso, Calif. Rocking horse. 2,494,184, Jan. 10.

Lindzy, Arthur, assignor of one-half to O. Lindzy, Kalamazoo, Mich. Cooking utensil. 2,493,983, Jan. 10.

Lindzy, Ora, assignee: *See*—
Lindzy, Arthur.

Lipke, Paul H.: *See*—
Kropscott, Earle L., and Lipke.

Litalien, Laurence J.: *See*—
Griggs, Henry C., and Litalien.

Littell, F. J., Machine Company, assignee: *See*—
Littell, Frederick M.

Littell, Frederick M., Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill. Air valve with adjustable shutoff control. 2,494,396, Jan. 10.

Little, Arthur D., Inc., assignee: *See*—
McMahon, Howard O.

Littleford Bros., Inc., assignee: *See*—
Osmond, Charles W.

Lockman, Carl J., Enebyberg, Sweden, assignor to American Heat Reclaiming Corporation, New York, N. Y. Automatically controlled recovery of heat and SO_2 gas from relief gases and waste liquor. 2,494,098, Jan. 10.

Lodge and Shipley Company, The, assignee: *See*—
Rosaen, Oscar E.

Loening, Erich E.: *See*—
Mitson, Charles H., and Loening.

Lonnee, Clifford J.: *See*—
Olsen, Ernest R., Flora, and Lonnee.

Loucks, Alton L., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for applying tapes to cables. 2,494,050, Jan. 10.

Loven, Rudolph W., Philadelphia, Pa. Stay-put adjustable scarf. 2,494,250, Jan. 10.

Lowe, Laurence W., Sr., Memphis, Tenn. Grooved game board and disks for same. 2,494,301, Jan. 10.

Luck, Robert J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric generating system. 2,494,397, Jan. 10.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Driving unit. 2,494,443, Jan. 10.

Lukacs, Joseph J., New Rochelle, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power-plant simulating device for grounded aircraft pilot trainers. 2,494,479, Jan. 10.

Lushbaugh, Roe E.: *See*—
Brown, Walter R., Lushbaugh, and Cull.

Lütolf, Theo K., Zurich, Switzerland. Bearing arrangement for rotatably supported shell-shaped bodies. 2,493,886, Jan. 10.

Luton, Dempsey A., assignor of one-half to E. M. Johnson, Jackson, Wyo. Fishing reel. 2,493,766, Jan. 10.

Lutz, Willard C., Lancaster, Pa. Crane for erecting silos. 2,493,887, Jan. 10.

Lyle, William S., San Francisco, Calif. Sewing-machine needle threader. 2,494,444, Jan. 10.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,493,767, Jan. 10.

Lyons, Gerald V.: *See*—
Basyin, Edgar J., Jr., and Lyons.

Lyons, Howard F., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Control for the conduction of combustion air. 2,494,342, Jan. 10.

MacMaster, Malcolm D., Woodside, Pa., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Self-service refrigerated case having a defrosting system. 2,494,480, Jan. 10.

MacMaster, Malcolm D., Woodside, Pa., and V. W. Smith, assignors to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerated self-service display case. 2,494,481, Jan. 10.

Magney, Charles A., Spokane, Wash. Shirt collar stiffener. 2,494,185, Jan. 10.

Magnin, Jacques, Chestnut Hill, Pa., assignor to H. C. Knerr. Lead coating. 2,493,768, Jan. 10.

Magnin, Jacques, Chestnut Hill, Pa., assignor to H. C. Knerr. Machine for lead coating. 2,493,769, Jan. 10.

Magnusson, Joseph, Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Sheet feeding mechanism. 2,494,186, Jan. 10.

Maienshein, John F., Parkville, Md., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,494,135, Jan. 10.

Majeska, Walter A.: *See*—
Marquardt, Otto M., and Majeska.

Mandelko, August W., and M. A. Mandelko, Fort Dodge, Iowa. Railway car jack. 2,494,099, Jan. 10.

Mandelko, Melvin A.: *See*—
Mandelko, August W., and M. A.

Manke, Arthur G., Syracuse, N. Y., assignor to General Electric Company. Multifrequency oscillation generating system. 2,494,345, Jan. 10.

Mannal, Clifford, Lee, Mass., assignor to General Electric Company. Sound absorption. 2,494,343, Jan. 10.

Mannhart, Emil: *See*—
Straub, Fritz, Hanhart, and Mannhart.

Mannheim, Louis R., Edgewood, R. I., assignor to Morse Boulger Destructor Company. Chemical feed pump mechanism. 2,494,344, Jan. 10.

Manning, Charles S., U. S. Navy. Simulated panorama viewer. 2,493,770, Jan. 10.

Mannon, Lloyd, San Francisco, Calif. Automatic fire and change-over dowser. 2,494,187, Jan. 10.

Manufacture De Machines Du Haut-Rhin, assignee: *See*—
Cuttat, Georges E.

Maras, Steve, Jackson, Minn. Tractor hitch. 2,493,888, Jan. 10.

Marine Products Company, assignee: *See*—
Hoder, Frank J., Jr.

Marquardt, Otto M., Oakland Township, Oakland County, and W. A. Majeska, Grosse Pointe, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Method of and apparatus for induction heating of small areas. 2,493,771, Jan. 10.

Marshall, Charles O., Jr., and M. C. Yeasting, assignors to Toledo Scale Company, Toledo, Ohio. Meat tenderizing machine. 2,494,136, Jan. 10.

Martin, Eric H. B., Rugby, England, assignor to General Electric Company. Overload protective device. 2,494,346, Jan. 10.

Martin & Schwartz, Inc., assignee: *See*—
Steuart, Arthur B.

Martines, Rene, Cranston, assignor, by mesne assignments, to Electric Terminal Corporation, Providence, R. I. Attaching wire terminals. 2,494,137, Jan. 10.

Marvel Equipment Corporation, assignee: *See*—
Floraday, Burton S.

Mason, James J., Chicago, Ill. Articulated conveyer. 2,494,302, Jan. 10.

Mason, Jasper K., Warner, N. H. Musical instrument. 2,494,251. Jan. 10.

Master Electric Company, The, assignee: *See*—
Berger, Arthur F.

Matthews, Arthur F., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Roller type hinge. 2,494,347, Jan. 10.

Matthews, Birchard L., and E. J. Zarybnicky, assignors to The W. J. Schoenberger Company, Cleveland, Ohio. Ignition system for gas or liquid fuel appliances. 2,493,889, Jan. 10.

Matthews, Birchard L., and E. J. Zarybnicky, assignors to The W. J. Schoenberger Company, Cleveland, Ohio. Ignition system for gas or liquid fuel appliances. 2,493,890, Jan. 10.

Maulbetsch, Herman J., assignee: *See*—
Christy, Nixon O.

Maule, Belford D., Michigan Center, Mich. Steerable and full swiveling tail wheel. 2,494,482, Jan. 10.

Maxson, Clarence G.: *See*—
Ries, Edward J., and Maxson.

Maywood Hosiery Mills, Inc., assignee: *See*—
Butler, Edmund J.

McBride, Charles B.: *See*—
Watson, John E., and McBride.

McCann, Clyde D., Des Moines, Iowa. Electrical fixture. 2,494,398, Jan. 10.

McCarty, Arch W., Tecumseh, Okla. Grease gun cartridge. 2,493,891, Jan. 10.

McCleary, Odd H., Ellwood City, Pa. Coil tail pulling apparatus. 2,494,399, Jan. 10.

McCoy, Rawley D., Bronxville, and T. J. Kusto, New York, N. Y., assignors to The Sperry Corporation. Electronic signal mixing circuit. 2,493,772, Jan. 10.

McCoy, Robert G., and W. W. Werring, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making electrical resistances. 2,494,051, Jan. 10.

McDermott, Philip H., Tulsa, Okla. Inertia operated discharge control means. 2,494,052, Jan. 10.

McGuire, Veronica W., Woodhaven, N. Y. Receptacle carrier. 2,494,303, Jan. 10.

McKay Chemical Company, Inc., assignee: *See*—
McKay, George R.

McKay, George R., Garden City, assignor to McKay Chemical Company, Inc., Brooklyn, N. Y. Etching compound. 2,493,984, Jan. 10.

McKinney, Howard E.: *See*—
Murphy, James P., and McKinney.

McKnight, James L., Houston, Tex. Speed warning device. 2,493,985, Jan. 10.
McMahon, Howard W., Lexington, assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass. Differential boiler. 2,494,304, Jan. 10.
McNab, John G., Cranford, N. J., and W. T. Watkins, Jr., Norfolk, Va., assignors to Standard Oil Development Company. Heavy metal salts of alkyl phenol sulfides and method of making same. 2,493,986, Jan. 10.
McNutt, Edwin T., Jr., Darlington, Md. Trouser hanger. 2,494,400, Jan. 10.
McPhee, James W., Los Angeles, Calif. Sectional pencil. 2,493,892, Jan. 10.
Meaney, Juan M., Monclova, Mex. Detachable rock drill bit with replaceable cutters. 2,494,188, Jan. 10.
Mearns, Herbert A., and J. G. Nelson, Elkins, W. Va. Spring shackle tool. 2,494,252, Jan. 10.
Meggs, Ross S., Dallas, Tex. Man's nether garment. 2,493,822. Jan. 10.
Meneley, Carl A., Princeton, N. J., assignor to Radio Corporation of America. Phasing apparatus. 2,493,921, Jan. 10.
Merck & Co., Inc., assignee: *See*—
Sarett, Lewis H.
Merit Products, Inc., assignee: *See*—
Bonkowski, Teofil L.
Merry, Walter, River Rouge, Mich. Soap holder. 2,494,305, Jan. 10.
Mersinger, Peter H., assignor to National Machine Company, St. Louis, Mo. Latch for adjustable back chairs. 2,494,348, Jan. 10.
Merwin, Harry H., Rutherford, and E. W. Reynolds, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Centrifugal force compensating mechanism. 2,494,483, Jan. 10.
Metal Textile Corporation, assignee: *See*—
Goodloe, Alfred M.
Meuriot, Paul A., Paris, France. Device for counting persons ascending and descending a flight of steps. 2,494,401, Jan. 10.
Meyering, Jan L.: *See*—
Druyvesteyn, Marl J., and Meyering.
Meyers, Lewis A., Fort Worth, Tex. Ventilator type window structure. 2,494,189, Jan. 10.
Messadri, Bruno, New York, N. Y. Safety pin. 2,493,988, Jan. 10.
Micronizer Company, The, assignee: *See*—
Andrews, Norwood H., and Speirs.
Middleby-Marshall Oven Company, assignee: *See*—
Cargill, Maxwell F.
Middlestetter, Brewster P., near Lewisburg, Ohio. Spring motor. 2,493,989, Jan. 10.
Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrophenanthrene carboxylic acids and derivatives thereof and making same. 2,493,773, Jan. 10.
Miescher, Karl, Riehen, and J. Heer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrophenanthrene compounds and making same. 2,494,253, Jan. 10.
Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Substituted hydrofluorene carboxylic acids. 2,494,254, Jan. 10.
Miketta, Casimir A., assignee: *See*—
Hunter, Frank B.
Mikulasek, John, Bellevue, Iowa. Displacement mechanism. 2,494,100, Jan. 10.
Miller, Harry C., Meadville, Pa., assignor to La Coeur Company. Container. 2,493,922, Jan. 10.
Miller, Pharis, Mountainside, N. J., and R. Lieber, New York, N. Y., assignors to Standard Oil Development Company. Aluminum salts of alkylated phenol sulfides. 2,493,987, Jan. 10.
Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.
Wahl, Albert J.
Miller, Stephen J., Tampa, Fla., assignor to G. G. Harris, Chicago, Ill. Toilet paper roll holder. 2,493,893, Jan. 10.
Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for conditioning and supplying clay to pottery forming machinery. 2,494,101, Jan. 10.
Mine Safety Appliances Company, assignee: *See*—
Jackson, Carey B., Beahm, and Van Andel.
Perrin, Paul C., and Sharbaugh.
Sanderson, John P., Paulus, and Yant.
Minkowitz, George, New York, N. Y. Clutch and brake mechanism. 2,493,894, Jan. 10.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Malenshein, John F.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Simons, Joseph H., Pearlson, and James.
Minster, Henry S., Rosemont, Pa., assignor to Roberts & Mander Corporation. Multiple gas burner with pressure-governed valves. 2,494,190, Jan. 10.
Mitson, Charles H., and E. E. Loening, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photolithographic printing materials. 2,494,053, Jan. 10.
Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Forming stacked magnetic cores. 2,494,349, Jan. 10.
Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Core clamp. 2,494,350, Jan. 10.
Moeller, Constand A., Orange, assignor to United Aircraft Corporation, East Hartford, Conn. Pontoon. 2,494,445, Jan. 10.
Mongitore, Pietro, assignor to Fiat S. A., Turin, Italy. Running-in internal-combustion engines. 2,494,102, Jan. 10.
Montero, Modesto P., Newark, N. J. Fiber-reenforced bowling pin. 2,494,351, Jan. 10.
Montone, Liber J., Ithaca, N. Y. Heating, vaporizing, and/or boiling water. 2,493,923, Jan. 10.
Moore Company, The, assignee: *See*—
Elder, Charles J.
Moore, George A., assignor to National Biscuit Company, New York, N. Y. Slide dispensing package with reinforced wrapper. 2,494,446, Jan. 10.
Moore, James R., Dutch Neck, N. J. Radio object locating system. 2,493,774, Jan. 10.
Morey Machinery Co., Inc., assignee: *See*—
Pesqueira, Juventino J.
Morgadanes, Angela M.: *See*—
Morgadanes, Robert, D., A. M., and C.
Morgadanes, Celia: *See*—
Morgadanes, Robert, D., A. M., and C.
Morgadanes, Dolores: *See*—
Morgadanes, Robert, D., A. M., and C.
Morgadanes, Robert, D., A. M., and C., New Orleans, La. Fountain brush with work operated discharge valve. 2,493,990, Jan. 10.
Morris, Orval: *See*—
Tangett, George, Helms, and Morris.
Morris, Raymond A., and F. A. Iverson, assignors to Edwin I. Guthman & Co., Inc., Chicago, Ill. Loop antenna. 2,494,255, Jan. 10.
Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Substituted ethers of cyclic sulfones. 2,494,515, Jan. 10.
Morrison, Clyde W., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Zinc smelting. 2,493,823, Jan. 10.
Morrison, William J., Chicago, Ill. Ornamental illuminated device. 2,493,991, Jan. 10.
Morvey, Joseph E., Flushing, N. Y. Finger safety protector. 2,494,306, Jan. 10.
Mosthaf, Edwin, Orange, assignor to Steatite Research Corporation, Keasbey, N. J. Heating grill. 2,494,447, Jan. 10.
Motor Products Corporation, assignee: *See*—
Kellogg, Homer G.
Moyer, Elmo E., Scotia, and J. S. Quill, Schenectady, N. Y., assignors to General Electric Company. Electronic interval timer. 2,494,352, Jan. 10.
Mowad, John J., Newark, N. J. Pelt stretching machine. 2,493,924, Jan. 10.
Moyer, Samuel P., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Flotation of titanium oxide mineral concentrates. 2,494,139, Jan. 10.
Mozzanini, Georges G., La Garenne Colombes, and M. Lebertre, Neuilly-sur-Seine, France. Acceleration control for direct-current motors. 2,494,516, Jan. 10.
Mueller, George: *See*—
Bruce, William F., Mueller, Seifter, and Ssabo.
Mumford, Manly S., Evanston, and E. H. Cowles, Chicago, Ill.; said Cowles assignor to said Mumford. Folding bathroom stool. 2,493,925, Jan. 10.
Murphy, James P., and H. E. McKinney, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Electromagnetic fishing tool. 2,493,992, Jan. 10.
Mursch, William H., Crafton, Pa., assignor to Carnegie-Illinois Steel Corporation, Looper. 2,494,402, Jan. 10.
Muskat, Morris, Oakmont, F. W. Parker, and W. L. Kehl, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for perforating well casings and well walls. 2,494,256, Jan. 10.
Mussulman, Wayne C.: *See*—
Liggett, Robert W., and Mussulman.
Nadeau, Gale F., and W. R. White, assignors to Eastman Kodak Company, Rochester, N. Y. Antistatic photographic film. 2,494,054, Jan. 10.
Naps, Marguerite, Oakland, assignor to Shell Development Company, San Francisco, Calif. Granular polymerization of vinyl chloride. 2,494,517, Jan. 10.
Nassif, David, Wilbraham, Mass. Machine for cooking skewered foods. 2,494,448, Jan. 10.
National Acme Company, The, assignee: *See*—
Driesner, Alfred E.
National Biscuit Company, assignee: *See*—
Moore, George A.
National Distillers Products Corp., assignee: *See*—
Nickol, Gordon B.
National Machine Company, assignee: *See*—
Mersinger, Peter H.
National Supply Company, The, assignee: *See*—
Holmquist, John L., and Pheneger.
National Zinc Company, Inc., assignee: *See*—
Morrison, Clyde W.

Neale, Fred, Coventry, England. Automatic brake adjuster. 2,493,993, Jan. 10.
Nelson, John G.: *See*—
Mearns, Herbert A., and Nelson.
Nelson, Roy F.: *See*—
Anne, Charles T., and Nelson.
Neumann, Salomon, London, England. Starch degradation process. 2,494,191, Jan. 10.
Newman, Edward A., Ealing, London, England, assignor to Electric and Musical Industries, Limited. Electric impulse generator. 2,494,353, Jan. 10.
Newman, Paul A., Philadelphia, Pa. Antiskid device. 2,493,994, Jan. 10.
Nickol, Gordon B., Cincinnati, Ohio, assignor to National Distillers Products Corp. Recovery of cherry juice or syrup from cherry brine. 2,494,257, Jan. 10.
Nickol, Gordon B., Cincinnati, Ohio, assignor to National Distillers Products Corp. Processing cherries preserved in sulfur dioxide lime brine. 2,494,258, Jan. 10.
Nicolle, Charles, Gentilly, France. Apparatus for obtaining multiple packages, especially adaptable for tablets and similar products. 2,494,484, Jan. 10.
Nies, Brainard W., Loch Arbour, N. J., and E. W. Duffy, assignors to United States Gypsum Company, Chicago, Ill. Mold composition. 2,494,403, Jan. 10.
Niolon, Joseph R., near Bessemer, Ala. Inversive fold diaper. 2,494,307, Jan. 10.
Nixon, Harold G., Youngstown, Ohio. Trailer. 2,494,404, Jan. 10.
NoMend Hosiery, Inc., assignee: *See*—
Hinkley, Henry R.
Nopco Chemical Company, assignee: *See*—
Cunder, Joseph, and Licata.
Kapp, Roland, Pickel, and Rosenberg.
Sprules, Francis J., and Price.
Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Fibrous glass articles. 2,494,259, Jan. 10.
Noros, George C., assignor to Bond Foundry & Machine Company, Manheim, Pa. Industrial hand truck. 2,493,824, Jan. 10.
Northrop Aircraft, Inc., assignee: *See*—
Threewit, Donald M.
Notara, Andrew L., Elmwood Park, Ill. Musical instrument. 2,494,485, Jan. 10.
Nowka, Sterling, North Tonawanda, N. Y. Work driver unit. 2,493,995, Jan. 10.
Nystrom, Axel C., Rutherford, and W. J. Volckhausen, Teaneck, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand twisting device. 2,493,825, Jan. 10.
Oakes, Arthur A.: *See*—
Tate, William L., and Oakes.
Oakes, George W., Crystal City, Mo. Fountain pen filling device. 2,494,518, Jan. 10.
Oakes, John J., Chinchilla, Pa. Boiler structure. 2,494,140, Jan. 10.
Obergfell, Amanda, executrix: *See*—
Obergfell, Herbert F.
Obergfell, Herbert F., deceased, late of River Forest, Ill., by A. Obergfell, executrix, River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Substation locking apparatus. 2,494,449, Jan. 10.
Obergfell, Herbert F., deceased, late of River Forest, Ill., by A. Obergfell, executrix, River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Universal telephone instrument. 2,494,450, Jan. 10.
Oelfke, Floyd L., and R. L. Horstman, Kansas City, Mo. Form for building cementitious walls. 2,493,826, Jan. 10.
Ohio Crankshaft Company, The, assignee: *See*—
Marquardt, Otto M., and Majeska.
Strickland, Harold A., Jr., Purvin, and Riddell.
Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Bennett, Charles E.
Olin Industries, Inc., assignee: *See*—
Williams, David M.
Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Centrifugal mold and liner therefor. 2,494,405, Jan. 10.
Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Personal call system. 2,494,451, Jan. 10.
Orkin, Bernard A., Woodbury, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Hardening of photographic silver halide gelatin emulsions with nitro alcohols. 2,494,055, Jan. 10.
Osmond, Charles W., assignor to Littleford Bros. Inc., Cincinnati, Ohio. Immersion heater for bituminous materials and the like. 2,494,260, Jan. 10.
Osterback, Alvin, Sand Point, Alaska. Automatic control for wind-driven propellers. 2,493,895, Jan. 10.
Owenby, Frank C., Marietta, Ga. Undergarment construction. 2,494,261, Jan. 10.
Owens-Illinois Glass Company, assignee: *See*—
Harker, John S.
Packers Supply Company, Limited, assignee: *See*—
Gillman, William C.
Paff, Chester: *See*—
Sanders, Louis, and Paff.
Page, Robert M., Washington, D. C., M. F. Distad, Cheverly, Md., and L. V. Blake, Washington, D. C. Ring-mounted oscillator. 2,493,775, Jan. 10.
Pan American Refining Corporation, assignee: *See*—
Brandt, Preston L.
Pardee, William A., Pittsburgh, and G. E. Elliott, Jr., Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparation of silica-alumina catalyst. 2,493,896, Jan. 10.
Parke, Robert, Buffalo, N. Y. Toy vehicle. 2,494,354, Jan. 10.
Parker Appliance Company, The, assignee: *See*—
Hartley, Emmett C.
Parker, Floyd W.: *See*—
Muskat, Morris, Parker and Kehl.
Parker, James M., Glenbuntly, Victoria, Australia. Music printing or typewriting machine. 2,494,192, Jan. 10.
Parmesan, Daniel J., Houston, Tex. Pipe union. 2,493,996, Jan. 10.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism for machine tools. 2,493,827, Jan. 10.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool transmission and control mechanism. 2,493,828, Jan. 10.
Parton, High R.: *See*—
Wilson, Charles C., and Parton.
Patrick, Robert D., Jr., Bellaire, Tex. Inside pipe cutter. 2,494,193, Jan. 10.
Paul, Leslie R., Philadelphia, Pa. Illuminating device. 2,493,829, Jan. 10.
Paul, Philip T., Naugatuck, and J. B. B. Skaptason, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y. Salts of aromatic dithiocarboxylic acids as fungicides. 2,494,355, Jan. 10.
Paulus, Peter V.: *See*—
Sanderson, John P., Paulus and Yant.
Pearlson, Wilbur H.: *See*—
Simons, Joseph H., Pearlson, and James.
Pearson, Otto H., assignor to L. N. Strike, Salt Lake City, Utah. Pressing head mounting and moving means. 2,493,997, Jan. 10.
Pearson, Virginia M., administratrix: *See*—
Pearson, Walter.
Pearson, Walter, deceased, late of Whitman, Mass., by V. M. Pearson, administratrix, Whitman, Mass., assignor to Landis Machine Company, St. Louis, Mo. Clutch and brake control for shoe stitchers. 2,494,452, Jan. 10.
Pease, Benjamin F., Jr., Grafton, assignor to Brewer & Company, Inc., Worcester, Mass. Impervious spring-enclosing belt. 2,494,262, Jan. 10.
Pecorella, Alberto and B. G., Buffalo, N. Y. Artificial limb. 2,493,776, Jan. 10.
Pecorella, Benedict G.: *See*—
Pecorella, Alberto and B. G.
Pellé, Pierre, Arcueil, France. Telegraphic measuring transmitter. 2,494,194, Jan. 10.
Penberthy, Paul, Glendale, Calif. Unloading device. 2,494,103, Jan. 10.
Penton, Francisco T., Central Florida, Florida, Cuba, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Cane Mill. 2,494,195, Jan. 10.
Perfect Seal Manufacturing Company, Incorporated, assignee: *See*—
Kinish, Arthur R.
Perkins, Wallace W.: *See*—
Caris, Darl F., and Perkins.
Permanente Metals Corporation, The, assignee: *See*—
De Maestri, Fred A.
Perrin, Paul C., Pittsburgh, and W. J. Sharbaugh, Wilkinsburg, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Salt tablet dispenser. 2,494,141, Jan. 10.
Persons-Majestic Mfg. Co., assignee: *See*—
Persons, Robert C.
Persons, Robert C., assignor to Persons-Majestic Mfg. Co., Worcester, Mass. Saddle protector. 2,494,519, Jan. 10.
Pesqueira, Juventino J., assignor to Morey Machinery Co., Inc., New York, N. Y. Lathe. 2,494,196, Jan. 10.
Peters, Theodore J., Jr., assignee: *See*—
Schneider, Helmuth G., Van Gilder, and Peters.
Petersén, Wilhelm H., assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Balance relay. 2,494,308, Jan. 10.
Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Radio tuning control. 2,494,486, Jan. 10.
Peterson, Harold O., and R. E. Schock, Riverhead, N. Y., assignors to Radio Corporation of America. Diversity receiver. 2,494,309, Jan. 10.
Petsche, Joseph D., Cleveland, Ohio. Nut lock for collet tubes. 2,493,926, Jan. 10.
Pettus, Joseph N.: *See*—
Faulkner, Harry R., and Pettus, and Bradshaw.
Petz, John L., Poughkeepsie, and C. G. Balliett, Rochester, assignors to International Business Machines Corporation, New York, N. Y. Speed responsive switch. 2,493,897, Jan. 10.
Pfeiffer, Frank F., D. H. Lansing, and R. B. Smith, assignors to The Reynolds & Reynolds Company, Dayton, Ohio. Apparatus for one-time posting systems. 2,494,142, Jan. 10.

Pfeil, Ernest W., Milwaukee, Wis. Portable hat holder. 2,494,487, Jan. 10.

Pfeil, Ernest W., Milwaukee, Wis. Hat holder. 2,494,488, Jan. 10.

Pheneger, Paul W.: *See*—
Holmquist, John L., and Pheneger.

Philco Corporation, assignee: *See*—
Bradley, William E.
Sunstein, David E.

Phillips Petroleum Company, assignee: *See*—
Ellig, Carl G.
Ferro, Bernardo J., Jr.
Latchum, John W., Jr.

Platt, Howard I., and C. P. Thomas, assignors to Platt Products Corporation, Lansing, Mich. Tray type liquid fuel burner. 2,494,104, Jan. 10.

Platt Products Corporation, assignee: *See*—
Andrews, Henry.
Platt, Howard I., and Thomas.

Picard, Leon J., Dobbs Ferry, N. Y. Hosiery. 2,493,830, Jan. 10.

Pickel, Frank D.: *See*—
Kapp, Roland, Pickel, and Rosenberg.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Baggin, Edgar J., Jr., and Lyons.
Goldfield, Edwin R., and Schiring.
Weisglass, Louis L.

Plastic Products Corp., assignee: *See*—
Dowling, Arthur P.

Plueddemann, Edwin P., Woodbridge, N. J., assignor to Food Machinery and Chemical Corporation, New York, N. Y. Purification of alkyl and substituted alkyl phosphates. 2,494,310, Jan. 10.

Pneumatic Scale Corporation, assignee: *See*—
Howard, Stanley R.

Pneumatic Scale Corporation, Limited, assignee: *See*—
Hultin, Oscar H.
Magnusson, Joseph.

Pollitz, Harold C., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Portable mixing plant. 2,493,898, Jan. 10.

Polymerization Process Corporation, The, assignee: *See*—
Hughes, Everett C., and Stine.

Polzin, Marvin H.: *See*—
Jonard, Howard A., and Polzin.

Porreca, Nicholas M.: *See*—
Alifano, Antonio, and Porreca.

Poskin, Irvin C., Los Angeles, Calif. Combination leg and catch for davenports. 2,494,105, Jan. 10.

Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Antenna system. 2,494,198, Jan. 10.

Postma, Frank, Paterson, N. J. Typewriter line scribing device. 2,494,056, Jan. 10.

Powell, Angie W., Sr., San Antonio, Tex. Practice golf tee. 2,494,197, Jan. 10.

Powers, John M., assignee: *See*—
Slutz, Thomas W.

Powers-Samas Accounting Machines Limited, assignee: *See*—
Thomas, Arthur.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Combination projector and printer. 2,493,998, Jan. 10.

Predictor Corporation, The, assignee: *See*—
Fay, James P.

Prevost, Marie J., Plainfield, N. J. Corset. 2,493,831, Jan. 10.

Price, Donald: *See*—
Sprules, Francis J., and Price.

Price Fireplace Heater & Tank Corp., assignee: *See*—
Walters, Herbert H.

Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Methylenedioxyphenyl compound as insecticide, insect repellent, and pyrethrin synergist. 2,493,927, Jan. 10.

Prouty, Robert E., assignor, by mesne assignments, to Essex Wire Corporation, Logansport, Ind. Circuit control switch. 2,493,899, Jan. 10.

Provitola, Anna T.: *See*—
Provitola, Anthony and A. T.

Provitola, Anthony and A. T., Brooklyn, N. Y. Folding wheelbarrow. 2,494,199, Jan. 10.

Purvin, Benjamin R.: *See*—
Strickland, Harold A., Jr., Purvin, and Riddell.

Quill, Joseph S.: *See*—
Moyer, Elmo E., and Quill.

Radio Corporation of America, assignee: *See*—
Greig, Harold G.
Haynes, Harold E.
Hillier, James.
Moseley, Carl A.
Olson, Harry F.
Peterson, Harold O., and Schock.
Seybold, Arthur M.
Stolze, William J.
Torsch, Charles E.
Usselman, George L.

Radio Frequency Laboratories, Inc., assignee: *See*—
Gilbert, Everett A.

Raffa, Dominic A., Brooklyn, N. Y. Match tip cigarette. 2,493,832, Jan. 10.

Ramqvist, Nils A., Harnosand, Sweden. Electric machine. 2,494,200, Jan. 10.

Rath, Karl, New York, N. Y. Exposure determining device for photographic cameras having cooperating indicia on camera and film magazine. 2,493,928, Jan. 10.

Raucher, Helen, assignee: *See*—
Raucher, Walter L.

Raucher, Walter L., assignor to H. Raucher, Chicago, Ill. Convertible baby carriage and stroller. 2,494,489, Jan. 10.

Ray, Fredrick A., Reseda, Calif. Curb bit. 2,494,201, Jan. 10.

Raybestos-Manhattan, Inc., assignee: *See*—
Batchelor, Clyde S., and Carey.

Raynor, Harvey F.: *See*—
Snowden, Ward E., and Raynor.

Raytheon Manufacturing Company, assignee: *See*—
Klemperer, Hans.

Read, William T., executor: *See*—
Hoeber, Harold.

Reck, Frank, Flushing, assignor to Aeronautical Research Corporation, New York, N. Y. Mechanical page turner. 2,494,453, Jan. 10.

Reconstruction Finance Corporation, assignee: *See*—
Gibson, George M.

Reed, Buckley R., Newton, Mass. Air deflector. 2,494,057, Jan. 10.

Reed, Henry G., and J. K. Beasley, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Processing viscous solutions. 2,494,143, Jan. 10.

Reitano, Edward S., assignor to Sani-Mask Inc., Mount Vernon, N. Y. Protective mask. 2,494,406, Jan. 10.

Rem, Henry M., New York, N. Y. Retractable polypointed writing utensil. 2,494,202, Jan. 10.

Rengo, William M., Kaleva, Mich. Leader reel. 2,494,106, Jan. 10.

Republic Steel Corporation, assignee: *See*—
Schaefer, Frederick R., and Emery.

Restall, Robert E., Hamilton, Ontario, Canada. Wheel suspension for trailer boats. 2,494,144, Jan. 10.

Revco, Inc., assignee: *See*—
Kafer, Clare H., and White.

Reynlers, James A., Niles, Mich., assignor to Amino Acids, Inc., Wilmington, Del. Hydrolysis of casein. 2,493,777, Jan. 10.

Reynolds, Ellwood W.: *See*—
Merwin, Harry H., and Reynolds.

Reynolds Metals Company, assignee: *See*—
Waring, Claude L.

Reynolds & Reynolds Company, The, assignee: *See*—
Pfeiffer, Frank F., Lansing, and Smith.

Reynolds, William R., Dallas, Tex. Boat canopy and frame. 2,493,833, Jan. 10.

Rhodes, Roy O., Martinsburg, Pa. Artificial bait. 2,494,407, Jan. 10.

Rice, Edgar U.: *See*—
Bertalan, Edward, and Rice.

Rice, Harry E., Jr., Urbana, Ohio. Wiper mechanism. 2,494,408, Jan. 10.

Richterkessing, Frank H., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley frog approach end. 2,494,311, Jan. 10.

Richterkessing, Frank H., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley frog switch. 2,494,409, Jan. 10.

Riddell, Donald W.: *See*—
Strickland, Harold A., Jr., Purvin, and Riddell.

Ries, Edward J., Brighton, and C. G. Maxson, assignors to Ritter Company, Inc., Rochester, N. Y. Lighting unit. 2,494,058, Jan. 10.

Riggen, Theodore K., Elmira, N. Y., assignor to Bendix Aviation Corporation. Electronic timer. 2,494,520, Jan. 10.

Riggs, Herbert E.: *See*—
Campbell, John F., and Riggs.

Riley Clock and Instrument Company Limited, assignee: *See*—
Riley, Joseph.

Riley, Joseph, Cheltenham, assignor of one-half to Riley Clock and Instrument Company Limited, Saltburn, and one-half to S. Smith & Sons (England) Limited, London, England. Small synchronous electric motor. 2,493,999, Jan. 10.

Rime-Bruneau, Paul, assignor to the Firm Societe d'Exploitation des Procedes Dabeg, Paris, France. Device for transmitting rotary motion. 2,494,203, Jan. 10.

Rinehart, Carl D., and M. Kocsuta, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Strand severing device. 2,494,490, Jan. 10.

Ritchie, Alexander J., assignor to Electric Boat Company, Bayonne, N. J. Filling a container by vacuum and then placing the container under pressure. 2,494,454, Jan. 10.

Rittenhouse, Howard E., and S. E. Gilmore, assignors to The Wayne Pump Company, Fort Wayne, Ind. Pump. 2,493,929, Jan. 10.

Ritter Company, Inc., assignee: *See*—
Ries, Edward J., and Maxson.

Riviera Packing Company, assignee: *See*—
Smith, Herbert P.

Rivington, Arthur A.: *See*—
Clarke, Thomas B., and Rivington.

Robbins, Browning G., Walla Walla, assignor to Glorioscope, Inc., Seattle, Wash. Apparatus for illuminating images for projectors. 2,494,356, Jan. 10.

Roberts, Clark L., Nampa, Idaho. Vegetation cutter. 2,494,263, Jan. 10.

Roberts & Mander Corporation, assignee: *See*—
Minster, H. S.

Robertson, Clarence H., West La Fayette, Ind. Teaching manual skills. 2,494,000, Jan. 10.

Robinson, Ivan M., and G. J. Janz, McMasterville, Quebec, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Preparation of 2-cyanopyridines. 2,494,204, Jan. 10.

Robinson, John G., administrator: *See*—
Smith, A. W.

Rodgen, Beatrice: *See*—
Rodgen, Max and B.

Rodgen, Max and B., White Plains, N. Y. Pinless diaper. 2,494,312, Jan. 10.

Roehl, Edward J.: *See*—
Rogge, Robert H., and Roehl. 2,494,205, Jan. 10.

Rogers, Edwin J.: *See*—
Austin, Chester R., and Rogers.

Rogers, George L., Schenectady, N. Y., assignor to General Electric Company. Frequency responsive control system. 2,494,357, Jan. 10.

Rogge, Robert H., Evanston, Ill., and E. J. Roehl, Little Silver, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Nickel plating. 2,494,205, Jan. 10.

Rohr Aircraft Corporation, assignee: *See*—
Gross, Bernard.

Rosaen, Oscar E., Detroit, Mich., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Ironclad electromagnet with pivoted armature. 2,494,491, Jan. 10.

Rosen, Milton W., Washington, D. C. Keying system. 2,493,778, Jan. 10.

Rosenberg, Louis T.: *See*—
Kapp, Roland, Pickel, and Rosenberg.

Ross, Lawrence E., and C. A. Tanner, Jr., Amherst, Va., assignors, by mesne assignments, to American Cyanamid Company. Production of rutile titanium dioxide. 2,494,492, Jan. 10.

Ross, Wayne M., Wallace, Idaho. Electrical measuring instrument. 2,494,206, Jan. 10.

Rostoker, Louis, Toronto, Ontario, Canada. Vibration damper for overhead cables. 2,494,358, Jan. 10.

Roth, Fred, Brooklyn, N. Y. Phonograph record holder. 2,494,359, Jan. 10.

Roto-Cast Foundry Equipment, Inc., assignee: *See*—
Hardy, John N.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Hinge construction. 2,494,001, Jan. 10.

Rowe Manufacturing Company, assignee: *See*—
Rowe, Alvin V.

Rowe, Raymond N., Plainville, assignor to The Trumbull Electric Manufacturing Company, Plainfield, Conn. Source transfer switch. 2,494,313, Jan. 10.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch with snap action. 2,494,314, Jan. 10.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch unit. 2,494,315, Jan. 10.

Rubenstein, Jacob H., Buffalo, N. Y. Magnetometer. 2,493,779, Jan. 10.

Ruggles, Albert C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. 4,4'-di-(sec-alkylamino)-diphenylamines. 2,494,059, Jan. 10.

Rumbold, John S., New Haven, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of mixtures of synthetic rubber latices of different average particle sizes. 2,494,002, Jan. 10.

Rusk, Edward I.: *See*—
Sylvester, Harcourt M., and Rusk.

Russ, Edward F., Euclid, Ohio. Automatic level hose winder. 2,494,003, Jan. 10.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Belt tightener. 2,494,360, Jan. 10.

Ryan, Joseph P., Chicago, Ill. Cementitious composition. 2,493,930, Jan. 10.

Ryan, Lyman H., Colorado Springs, Colo. Hammermill with auxiliary rotor for providing a more effective discharge of material. 2,494,107, Jan. 10.

Rydner, Gustaf W., and R. T. Collins, assignors to General Motors Corporation, Detroit, Mich. Lading impact absorber. 2,494,004, Jan. 10.

Ryman, Rexford C., San Francisco, Calif. Pressure electrolyzer. 2,494,264, Jan. 10.

SKF Industries, Inc., assignee: *See*—
Forslund, Bror W., and Hoppe.

Sabbia, Jerome R., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Pilot's quick disconnect of supply lines. 2,494,005, Jan. 10.

Sabbia, Jerome R., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Single-action safety belt disconnect. 2,494,207, Jan. 10.

Saegert, Marie S., assignee: *See*—
Scavullo, Angelo C.

Samalion, Yetta, Miami Beach, Fla. Flashlight. 2,494,265, Jan. 10.

Sanders, Louis, Clifton, and C. Paff, Garfield, N. J. Gyroscope top. 2,493,834, Jan. 10.

Sanderson, John P., P. Y. Paulus, and W. P. Yant, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Carbon dioxide generator. 2,494,145, Jan. 10.

Sanderson, William J., Madison, Wis. Pontoon construction. 2,494,316, Jan. 10.

Sandoz Ltd., assignee: *See*—
Gutzwiller, Ernst.

Sani-Mask Inc., assignee: *See*—
Reitano, Edward S.

Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 3,11-diketo-17,20-dihydroxypregnanes and process. 2,493,780, Jan. 10.

Scarbrough, Harry E., Chicago, Ill., and N. B. Jones, Ballston Lake, N. Y., assignors to General Electric Company. Liquid treating apparatus. 2,494,361, Jan. 10.

Scavullo, Angelo C., assignor to V. K., F., and C. Scavullo, M. S. Saegert, and M. S. Scott, Forest Hills, N. Y. Cooking utensil and method. 2,494,266, Jan. 10.

Scavullo, Charles, assignee: *See*—
Scavullo, Angelo C.

Scavullo, Frank, assignee: *See*—
Scavullo, Angelo C.

Scavullo, Victor K., assignee: *See*—
Scavullo, Angelo C.

Schaberg, Fred H., and N. H. Therriault, Andover, Mass. Automatic ice cube maker. 2,493,900, Jan. 10.

Schmefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Sheet metal reel. 2,494,522, Jan. 10.

Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Rolling ring for reels. 2,494,523, Jan. 10.

Schaefer, Frederick R., Youngstown, and R. W. Emery, Warren, assignors to Republic Steel Corporation, Cleveland, Ohio. Cable reel. 2,494,521, Jan. 10.

Schaefer, Vincent J.: *See*—
Blodgett, Katherine B., and Schaefer.

Schaeffer, George W.: *See*—
Schlesinger, Hermann I., and Schaefer.

Schaevitz, Herman, Collingswood, N. J. Differential transformer. 2,494,493, Jan. 10.

Schatz, Joseph, Malden, Mass. Educational blackboard. 2,494,362, Jan. 10.

Scheidt, Robert J., California, Mo. Control device. 2,494,410, Jan. 10.

Schimel, Abe, Bronx, N. Y. Holder for metal wool. 2,493,835, Jan. 10.

Schlesinger, Hermann I., and G. W. Schaeffer, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Surface hardening of ferrous metals. 2,494,267, Jan. 10.

Schneider, Helmuth G., Westfield, C. F. Van Glider, and T. J. Peters, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Purification of phenols. 2,493,781, Jan. 10.

Schock, Robert E.: *See*—
Peterson, Harold O., and Schock.

Schoenberger, W. J., Company, assignee: *See*—
Matthews, Birchard L., and Zarybnicky.

Schofield, Harold E., Binghamton, assignor, to General Aniline & Film Corporation, New York, N. Y. Selectively removing formaldehyde from a formaldehyde-glyoxal mixture. 2,494,060, Jan. 10.

Scholl, Edgar, assignor to Union Special Machine Company, Chicago, Ill. Clutch mechanism for sewing machines. 2,494,006, Jan. 10.

Schultz, Carl, Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Surface control system. 2,494,208, Jan. 10.

Schwarz, Bertram A., Kokomo, Ind., and L. J. Fichter, Rockford, Ill., assignors to General Motors Corporation, Detroit, Mich. Tuning means. 2,494,007, Jan. 10.

Schwarz, Bertram A., H. M. Stelzl and M. G. Wright, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Radio tuning device. 2,494,008, Jan. 10.

Schwarz, Charles F., Baltimore, Md. Testing slide fastener. 2,493,782, Jan. 10.

Scott, David C., Providence, R. I., assignor to Henry L. Scott Company. Means for proportioning pull to specimen size. 2,493,836, Jan. 10.

Scott, George W.: *See*—
Abernathy, Henry H., and Scott.

Scott, Henry L., Company, assignee: *See*—
Scott, David C.

Scott, Margaret S., assignee: *See*—
Scavullo, Angelo C.

Scovill Manufacturing Company, assignee: *See*—
Bahney, Luther W., and Horswell.

Scoville, Rosalee, Los Angeles, Calif. Stove. 2,494,061, Jan. 10.

See, Francis W.: *See*—
Fetherolf, James M., Forrest, and See.

Segre, Emilio G.: *See*—
Wiegand, Clyde E., and Segre.

Seifter, Joseph: *See*—
Bruce, William F., Mueller, and Seifter, and Szabo.

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Core barrel. 2,494,363, Jan. 10.

Seybold, Arthur M., West Orange, N. J., assignor to Radio Corporation of America. Multigrid tube amplifier circuit. 2,494,317, Jan. 10.

Sharbaugh, William J.: *See*—
Perrin, Paul C., and Sharbaugh.

Sharp, Allen, assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Conveyer chain. 2,494,009, Jan. 10.

Sharp & Dohme, Incorporated, assignee: *See*—
Sprague, James M.

Shaw, Robert J., Bridgeport, Conn., assignor to General Electric Company. Vertically extensible projection television receiver cabinet. 2,494,364, Jan. 10.

Shell Development Company, assignee: *See*—
Carlson, George J.
Morris, Rupert C., and Van Winkle.
Murphy, James P., and McKinney.
Naps, Marguerite.

Sherrow, Sayle, Middleboro, Ind. Attachment for lawn mowers. 2,494,062, Jan. 10.

Shipley, Robert C., Kalamazoo, Mich. Container with spring latch closure. 2,493,901, Jan. 10.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor support. 2,494,209, Jan. 10.

Sills, Hubert R., Peterborough, Ontario, Canada, assignor to General Electric Company. Generator fault protection. 2,494,365, Jan. 10.

Simi, Hendrick E., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Tire carrier. 2,494,411, Jan. 10.

Simkins, Leon L., Kalamazoo, Mich. Heated pencil for writing on waxed paper. 2,494,412, Jan. 10.

Simon, Reginald W., London, England. Tone arm control device. 2,494,063, Jan. 10.

Simons, Joseph H., W. H. Pearlson, and W. R. James, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Thermal hydrogenolysis of fluorocarbons to produce fluorocarbon hydrides. 2,494,064, Jan. 10.

Sinclair, Charles W., assignr to Kelsey-Hayes Wheel Company, Detroit, Mich. Making track shoes. 2,494,108, Jan. 10.

Sinclair Refining Company, assignee: *See*—
Woerner, Rudolph C.

Six, Willem: *See*—
Beljers, Hugo G., Six, and Winkel.

Skaptason, Joseph B.: *See*—
Paul, Philip T., and Skaptason.

Skintron Corporation, assignee: *See*—
Wikkenhauser, Gustav.

Slemmons, Charles O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Band power transmission. 2,494,065, Jan. 10.

Slemmons, Charles O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Self-laying track. 2,494,066, Jan. 10.

Slettengren, Anders I. K., Goteborg, assignor to Verkstads-A. B. Haldex, Halmstad, Sweden. Machine for cutting sheet metal. 2,494,413, Jan. 10.

Slocombe, Basil G. B., and S. M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile apparatus. 2,493,902, Jan. 10.

Slutz, Thomas W., Cleveland, assignor to J. M. Powers, Cleveland Heights, Ohio. Smoking pipe. 2,494,268, Jan. 10.

Smaby, Marcus E., Seattle, Wash., assignor to Boeing Airplane Company. True air speed meter. 2,493,931, Jan. 10.

Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Heel attaching machine. 2,494,404, Jan. 10.

Smith, Alvin W.; J. G. Robinson, administrator of said A. W. Smith, deceased, assignor to E. L. Bauer, Cincinnati, Ohio. Reversible target. 2,494,210, Jan. 10.

Smith, Arthur F.: *See*—
Carroll, Fred M., and Smith.

Smith, Clyde E.: *See*—
Thomas, Charles W., and Smith.

Smith, Herbert P., assignor to Riviera Packing Company, Eastport, Maine. System of draining containers. 2,493,837, Jan. 10.

Smith, Robert B.: *See*—
Pfeiffer, Frank F., Lansing, and Smith.

Smith, Robert G.: *See*—
Cocks, Russell H., and Smith.

Smith, S., & Sons (England) Limited, assignee: *See*—
Riley, Joseph.

Smith, Victor W.: *See*—
MacMaster, Malcolm D., and Smith.

Smyth, Herbert C. H., London, England. Pyrophoric lighter. 2,494,211, Jan. 10.

Snider, Herbert B., Miami Beach, Fla. Manicuring device. 2,494,414, Jan. 10.

Snowden Chemical Company, assignee: *See*—
Snowden, Ward E., and Raynor.

Snowden, Ward E., and H. F. Raynor, assignors to Snowden Chemical Company, Modesto, Calif. Overshot nozzle. 2,494,067, Jan. 10.

Societe D'Applications Generales D'Electricite et de Mecanique "Sagem," assignee: *See*—
Eatoup, Jean.

Societe Rateau (Societe Anonyme), assignee: *See*—
Imbert, Roger J.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Johnson, George L., and Hagerbaumer.

Soderman, George W.: *See*—
Fermanian, Armen. Soderman and Workman.

Soldani, Albert, assignor to Hyde Manufacturing Company, Southbridge, Mass. Scraper. 2,494,455, Jan. 10.

Sosman, Robert B., Westfield, N. J., assignor to United States Steel Corporation of Delaware. Open-hearth furnace and operating the same. 2,494,415, Jan. 10.

Spann, Woodward, Gunnison, Colo. Claw grabbook. 2,494,010, Jan. 10.

Spanos, Peter A., San Francisco, Calif. Grease trapping device. 2,494,146, Jan. 10.

Spar-Holl Manufacturing Company, Incorporated, assignee: *See*—
Sparkes, Harry P.

Sparkes, Harry P., West Orange, N. J., assigner to Spar-Holl Manufacturing Company, Incorporated, Glassport, Pa. Safety device for vehicle brakes. 2,494,269, Jan. 10.

Speck, Robert P., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic relief image. 2,494,068, Jan. 10.

Spelrs, John L.: *See*—
Andrews, Norwood H., and Spelrs.

Sperry Corporation, The, assignee: *See*—
Fetherolf, James M., Forrest, and See.
McCoy, Rawley D., and Kusto.

Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. 2-(benzenesulfonamido) - tetrahydrobenzothiazoles. 2,494,524; Jan. 10.

Spriggs, James O., and F. Harris, Washington, D. C. Molding machine for manufacturing building blocks. 2,494,212, Jan. 10.

Sprules, Francis J., Arlington, N. J., and Donald Price, New York, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Production of fatty esters. 2,494,366; Jan. 10.

Squibb, E. R., & Sons, assignee: *See*—
Erhard, William.

Stahl, Elmer R.: *See*—
Elvin, William J., and Stahl.

Staley, A. E., Manufacturing Company, assignee: *See*—
Liggett, Robert W., and Mussulman.

Stancliff, Clifton L., Bakersfield, Calif. Mechanical silent tappet. 2,493,783; Jan. 10.

Standard Oil Company, assignee: *See*—
Hengstebeck, Robert J.

Standard Oil Company, ; assignee: *See*—
Hughes, Everett C., and Darling.

Standard Oil Development Company, assignee: *See*—
Arundale, Erving.
Cyphers, Elmer B.
Dutson, Keith, J. F.
Lieber, Eugene.
McNab, John G., and Watkins, Jr.
Miller, Pharis, and Lieber.
Schneider, Helmuth, G., Van Glider, and Peters.
Sewell, Benjamin W.
Wadley, Edward Frank.
Wilson, Robert A.

Steatite Research Corporation, assignee: *See*—
Mosthaf, Edwin.

Steel Heddle Manufacturing Company, assignee: *See*—
Hassold, Victor C.

Steele, Frederick I.: *See*—
Ulrich, Arthur E., Hume, Arcarese, and Steele.

Steele, Frederick I., Columbus, Ohio, and J. M. Heath, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Retractable step. 2,494,367; Jan. 10.

Steele, Frederick I., and A. O. Willis, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Arrangement of aircraft propulsion and radio viewing components. 2,494,368; Jan. 10.

Steffen, Emil, Decatur, Ind. Automatic leveling device for tile laying ditchers. 2,494,069, Jan. 10.

Stein, Harold G., Milwaukee, Wis. Clock. 2,494,011; Jan. 10.

Stellpflug, August W.: *See*—
Talt, Wilfred E., and Stellpflug.

Stelzl, Howard M.: *See*—
Schwarz, Bertram A., Stelzl, and Wright.

Steuart, Arthur B., assignor to Martin & Schwartz, Inc., Salisbury, Md. Positive action reel for gasoline dispensers. 2,494,525; Jan. 10.

Still, Kathleen S., Chicago, Ill. Container. 2,494,456; Jan. 10.

Stiller, Rudolf H., Derby, N. Y. Trailer mounted boat support. 2,494,110; Jan. 10.

Stine, Harrison M.: *See*—
Hughes, Everett C., and Stine.

Stoddard, Charles R., assignee: *See*—
Walling, Lawrence J.

Stolze, William J., Astoria, N. Y., assignor to Radio Corporation of America. Centering circuit for television receivers. 2,494,457; Jan. 10.

Strader, Leroy F., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Catalyst regeneration apparatus. 2,493,784; Jan. 10.

Straub, Fritz, Kaiserauget, W. Hanhart, Reihen, and E. Manuhart, Basel, Switzerland, assignors to Ciba Limited. Azo-dyestuffs and making same. 2,494,416; Jan. 10.

Stricker, William H., Sand Springs, Okla. Fisherman's plug retriever. 2,494,012; Jan. 10.

Strickland, Harold A., Jr., Grosse Pointe, B. R. Purvin, and D. W. Riddell, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Article heating and delivery apparatus. 2,493,785; Jan. 10.

Strike, Louis N., assignee: *See*—
Pearson, Otto H.

Sturk, Earl W., Lansing, Mich. Apparel rack for vehicles. 2,494,318; Jan. 10.

Sulzer Frères, Société Anonyme, assignee: *See*—
Traupel, Walter.

Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Tube testing circuit. 2,494,360; Jan. 10.

Swan, Fillmore D., assignor to Wingfoot Corporation, Akron, Ohio. Booster brake system. 2,494,319; Jan. 10.

Swanson, Donald F., Chicago, Ill. Coffee-making apparatus and automatic control means therefor. 2,493,932; Jan. 10.

Swartzel, Karl D., Eggertsville, and C. L. Frederick, Williamsville, N. Y., assignors to Curtiss-Wright Corporation. Multichannel telemetering system with identical band-pass filters. 2,494,370; Jan. 10.

Swift & Company, assignee: *See*—
Black, Howard C.
De Moss, Leonard.
Gunther, James K., and Bradford.
Trelease, Richard D., and Koonz.
Truce, William E.

Swift, Gilbert, Red Bank, N. J. Mechanical position finder. 2,493,786; Jan. 10.

Swiss "Borvisk" Company, assignee: *See*—
Borzykowski, Benno.

Sylvester, Harcourt M., and E. I. Rusk, Rochester, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid operated switch assembly. 2,494,213; Jan. 10.

Synerholm, Martin E., Hastings on Hudson, N. Y., assignor to Royce Thompson Institute for Plant Research, Inc. Dialkylamino alkyl piperate and its hydrochloride. 2,494,458; Jan. 10.

Szabo, Joseph L.: *See*—
Bruce, William F., Mueller, and Seifter, and Szabo.

Talt, Wilfred E., Westport, and A. W. Stellpflug, Weston, Conn., assignors to American Safety Razor Corporation, Brooklyn, N. Y. Rotary film holder. 2,494,495; Jan. 10.

Talmage, Nathaniel A., Riverhead, N. Y. Rotatable disks for separating potatoes from debris. 2,494,417; Jan. 10.

Tanner, Charles A., Jr.: *See*—
Ross, Lawrence E., and Tanner.

Tapp, Ernest T. J., Hampshire, assignor to Walker and County Cars Limited, London, England. Telescopic vehicle body. 2,494,013; Jan. 10.

Tate, William L., Liverpool, and A. A. Oakes, Nottingham, England. Permutation electric switch. 2,494,015; Jan. 10.

Taylor, Charles R., Scott City, Kans. Exhaust pipe end cover. 2,494,016; Jan. 10.

Taylor, Max D., Jackson, Mich. Shirt construction. 2,494,496; Jan. 10.

Taylor-Winfield Corporation, assignee: *See*—
Thomas, Charles W., and Smith.

Temple, Marvin D.: *See*—
Begun, Semi J., and Temple.

Terry, Bennett F., Stamford, Conn. Photoprinting processes. 2,493,838; Jan. 10.

Texaco Development Corporation, assignee: *See*—
Garrison, Allen D.

Texas A. and M. Research Foundation, assignee: *See*—
Kirkbride, Chalmer G., and Burtis.

Texas Company, The, assignee: *See*—
Anné, Charles T., and Nelson.

Therriault, Norris H.: *See*—
Schaberg, Fred H., and Therriault.

Thomas, Albert G., Lynchburg, Va. Automatic roaster. 2,493,903; Jan. 10.

Thomas, Arthur, Wallington, England, assignor to Powers-Samas Accounting Machines Limited. Printing element for typewriter printing machines. 2,494,014, Jan. 10.

Thomas & Betts Co., The, assignee: *See*—
Clapp, Jerome B.

Thomas, Charles P.: *See*—
Platt, Howard I., and Thomas.

Thomas, Charles W., and C. E. Smith, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Sequence timing apparatus. 2,493,839, Jan. 10.

Thomas, Raymond E.: *See*—
Johnson, Charles C., and Thomas.

Thomas, William A., Oakmont, assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for burning pulverized fuel. 2,494,070, Jan. 10.

Thompson, Elton H., assignee: *See*—
Brooks, Edward H., Sr.

Thompson, Ivan P.: *See*—
Bucknam, James H., and Thompson.

Thompson Products, Inc., assignee: *See*—
Curtis, Russell R.

Thompson, Randall L.: *See*—
Hitchings, George H., and Thompson.

Thompson, Roy J., Gary, Ind., assignor to Inland Steel Company, Chicago, Ill. Machine for forming threaded openings. 2,493,933, Jan. 10.

Thor Corporation, assignee: *See*—
Gerhardt, Andrew H.

Thornton, Wilfred R., Toronto, Ontario, Canada. Shower head. 2,493,840, Jan. 10.

Threewit, Donald M., Inglewood, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Terminal connection for control cables. 2,493,841, Jan. 10.

Todd, Virgil H., Rockford, Ill. Crucible skimmer. 2,494,270, Jan. 10.

Toledo Scale Company, assignee: *See*—
Marshall, Charles O., Jr., and Yeasting.
Williams, Lawrence S.

Torretti, Theodore T., Trenton, N. J., assignor to the United States of America as represented by the Secretary of War. Antenna. 2,493,787, Jan. 10.

Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Cathode-ray beam deflector. 2,494,459, Jan. 10.

Townill, John, administrator: *See*—
Townill, Peter.

Townill, Peter, deceased, Plainfield, Ill.; J. Townill, administrator. Wrecking bar. 2,494,214, Jan. 10.

Trapnell, Buel L., Pulaski, Ga. Educational device. 2,494,497, Jan. 10.

Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Apparatus for operating gas turbine plants. 2,494,320, Jan. 10.

Trautman, Raymond B., Minneapolis, Minn. Artificial hand. 2,494,460, Jan. 10.

Trelease, Richard D., and C. H. Koonz, assignors to Swift & Company, Chicago, Ill. Feeding device. 2,494,147, Jan. 10.

Trevaskis, Henry W., Solihull, Birmingham, assignor to Dunlop Rubber Company, Limited, London County, England. Fluid operated brake system. 2,494,461, Jan. 10.

Trimble Nurseryland Furniture, Inc., assignee: *See*—
De Puy, Charles T., and Baxter.

Truce, William E., La Fayette, Ind., assignor to Swift & Company, Chicago, Ill. Purifying lactalbumin. 2,494,148, Jan. 10.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Rowe, Raymond N.

Tungett, George, T. R. Helms, and O. Morris, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Towing device. 2,494,526, Jan. 10.

Turlay, Joseph D., Montgomery County, Md. Resilient support for the firing control mechanism of a marine mine. 2,493,788, Jan. 10.

Turner, Ralph, and L. Howell, Cornell, Ill. Rotary weed cutter. 2,494,271, Jan. 10.

Tuttle, Malcolm H., New Rochelle, N. Y. Gas-fired muffle furnace. 2,494,530, Jan. 10.

Twin Disc Clutch Company, assignee: *See*—
Wolf, Lloyd J.

Tynan, Andrew G., and J. H. Guyton, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Electronically controlled tuning means. 2,494,017, Jan. 10.

Tyrrell, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide with phase compensating paired bends. 2,493,842, Jan. 10.

Udy, Marvin J., Niagara Falls, N. Y. Production of chromate. 2,493,789, Jan. 10.

Udy, Marvin J., Niagara Falls, N. Y. Chromate production. 2,494,215, Jan. 10.

Ulrich, Arthur E., Buffalo, H. F. Hume, and C. J. Arcarese, Cheektowaga, and F. I. Steele, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Aircraft cabin enclosure and mounting means therefor. 2,493,904, Jan. 10.

Underwood, Arthur F.: *See*—
Bidwell, Joseph B., and Underwood.

Underwood Corporation, assignee: *See*—
Anderson, Walter A.
Holton, Jesse A., Sr.

Union Special Machine Company, assignee: *See*—
Scholj, Edgar.

United Aircraft Corporation, assignee: *See*—
Austin, Chester R., and Rogers.
Moeller, Constand A.
Sabbia, Jerome R.
Schultz, Carl.
Sikorsky, Igor I.

United Shoe Machinery Corporation, assignee: *See*—
Clarke, Thomas B., and Rivington.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Schlesinger, Hermann I., and Schaeffer.
Wiegand, Clyde E., and Segre.

United States Gypsum Company, assignee: *See*—
Nies, Brainard W., and Duffy.

United States Rubber Company, assignee: *See*—
Carlin, Frank J.
Haefele, John W.
Paul, Philip T., and Skaptason.
Rumbold, John S.

United States Steel Corporation of Delaware, assignee: *See*—
Sosman, Robert B.

University Loudspeakers, Inc., assignee: *See*—
Levy, Sidney E.

Urquhart, Archibald M., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Blanking and piercing device. 2,494,018, Jan. 10.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying stage. 2,494,321, Jan. 10.

Van Andel, Alfred C.: *See*—
Jackson, Carey B., Beahm, and Van Andel.

Van de Lee, Albertus: *See*—
Vivie, Wilhelmus L. L., and van de Lee.

Van Gilder, Carl F.: *See*—
Schneider, Helmuth G., Van Gilder, and Peters.

Van Ingen Schenau, Bernard W.: *See*—
Haantjes, Johan, and van Ingen Schenau.

Van Winkle, Elmore, La Porte, Ind. Stair layout tool. 2,494,462, Jan. 10.

Van Winkle, John L.: *See*—
Morris, Rupert C., and Van Winkle.

Veale, Charles C., Wheaton, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Die-casting apparatus. 2,494,071, Jan. 10.

Verger, John: *See*—
Andrews, Norman F., Dort, Verger, Coultas, and Hill.

Verkstads-A. B. Haldex, assignee: *See*—
Slettengren, Anders I. K.

Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Belt. 2,494,216, Jan. 10.

Vetterli, Oran, Albany, Calif. Color selector. 2,494,072, Jan. 10.

Vincent, John R., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing elastomers. 2,493,843, Jan. 10.

Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apertured cutting plate for dry-shaving devices. 2,494,463, Jan. 10.

Vivie, Wilhelmus L. L., and A. van de Lee, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotary dry shaver. 2,494,464, Jan. 10.

Volckhausen, Walter J.: *See*—
Nystrom, Axel C., and Volckhausen.

Vosler, Edward J.: *See*—
Williams, Lawrence, and Vosler.

Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing oxygenated organic compounds from hydrocarbons. 2,494,371, Jan. 10.

Wagner, Robert W., Chelsea, Mich. Power take-off structure. 2,494,111, Jan. 10.

Wahl, Albert J., Pleasant Hills, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for making mold charges from plastic ceramic materials. 2,494,112, Jan. 10.

Walczak, Michael J., Casper, Wyo. Lamb docking device. 2,493,790, Jan. 10.

Walker and County Cars Limited, assignee: *See*—
Tapp, Ernest T. J.

Walling, Lawrence J., Keyport, N. J., assignor of one-fifth to C. R. Stoddard, New York, and one-fifth to R. Harding, Jr., Elmsford, N. Y. Puff. 2,493,791, Jan. 10.

Walmsley, Cecil T., Canford Cliffs, Bournemouth, England. Reckoning device. 2,493,792, Jan. 10.

Walters, Herbert H., assignor to Price Fireplace Heater & Tank Corp., Buffalo, N. Y. Sheet metal open-hearth heater. 2,494,527, Jan. 10.

War, United States of America as represented by the Secretary of, assignee: *See*—
Torrettl, Theodore T.

Ward, Frank A., Baltimore, Md. Lighter shield. 2,494,322, Jan. 10.

Ware, Robert R., Jr., assignor to Chicago Roller Skate Company, Chicago, Ill. Roller skate resilient hanger structure. 2,494,019, Jan. 10.

Waring, Claude L., Glen Cove, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Production of protective coatings on aluminum and alloys thereof. 2,493,934, Jan. 10.

Waterbury Farrel Foundry & Machine Co., The, assignee: *See*—
Griggs, Henry C., and Litalien.

Watkins, Walter T., Jr.: *See*—
McNab, John G., and Watkins.

Watson, George R., Waukegan, Ill., assignor to J. E. Watson, Signal Mountain, Tenn. Drill motion synchronizer and shock absorber. 2,494,020, Jan. 10.

Watson, James E., assignee: *See*—
Watson, George R.

Watson, John E., Westport, Conn., and C. R. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Apparatus for classifying particles. 2,494,465, Jan. 10.

Watson, Kenneth, Woolston, Southampton, assignor to The Cierva Autogiro Company Limited, London, England. Helicopter. 2,494,217, Jan. 10.

Watson-Stillman Co., The, assignee: *See*—
Dinzl, Richard W.

Watt, Arthur B.: *See*—
Corey, William S., and A. B. and R. B. Watt.

Watt, Robert B.: *See*—
Corey, William S., and A. B. and R. B. Watt.

Wawzonek, Joseph, assignor to Hemphill Company, Central Falls, R. I. Cylinder controlling mechanism. 2,493,905, Jan. 10.

Wayne Pump Company, The, assignee: *See*—
Rittenhouse, Howard E., and Gilmore.

Weaver, Ernest L., Jackson, Mich. Knurling tool holder. 2,494,073, Jan. 10.

Webb, Robert L., Imperial, Pa. Metal bending brake with rearwardly slidable clamping beam. 2,494,149, Jan. 10.

Weber, Edward H., Jr., Toms River, N. J., assignor to American Telephone and Telegraph Company. Signal receiving apparatus. 2,494,323, Jan. 10.

Weber, William, Fairview, N. J. Automatic extractor and loader. 2,494,021, Jan. 10.

Weintrob, Max M., and G. Gerety, Medford, Mass.; said Weintrob assignor to said Gerety. Cooking oven. 2,494,022, Jan. 10.

Weisglass, Louis L., New York, N. Y., assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Stabilizer with condenser modulator. 2,494,218, Jan. 10.

Weiss, Louis, St. Louis, Mo. Beverage cooling cabinet of dry air type. 2,494,074, Jan. 10.

Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Paint and varnish. 2,494,418, Jan. 10.

Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Utilizing acid sludge. 2,494,420, Jan. 10.

Wells, Roy E., San Mateo, Calif. Totalizator. 2,494,419, Jan. 10.

Werring, Walter W.: *See*—
McCoy, Robert G., and Werring.

Western Electric Company, Incorporated, assignee: *See*—
Bertalan, Edward, and Rice.
Fermanian, Armen, Soderman, and Workman.
Loucks, Alton L.
Merwin, Harry H., and Reynolds.
Nystrom, Axel C., and Volckhausen.
Veale, Charles C.

Westinghouse Air Brake Company, The, assignee: *See*—
Farmer, Clyde C.

Westinghouse Electric Corporation, assignee: *See*—
Lusk, Robert J.

Weyandt, Carl S., Homer City, Pa. Paper jogger. 2,494,075, Jan. 10.

Whitaker, Samuel R., Denver, Colo. Tubular air heating furnace. 2,494,113, Jan. 10.

White, Frank L.: *See*—
Brooker, Leslie G. S., and White.

White, Howard D.: *See*—
Kafer, Clare H., and White.

White, Samuel H., Detroit, Mich. Gaseous fuel mixture. 2,494,219, Jan. 10.

White, Walter R.: *See*—
Nadeau, Gale F., and White.

Whitsel, James L., Denver, Colo. Adjustable garment hanger. 2,494,272, Jan. 10.

Wiegan, Clyde E., Oakland, and E. G. Segre, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. High-energy neutron counter. 2,493,935, Jan. 10.

Wigal, Voorhis F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for expanding thermoplastic tubing. 2,494,273, Jan. 10.

Wikkenhauser, Gustav, Wells, England, assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Film projection with continuously moving film. 2,493,793, Jan. 10.

Wikkenhauser, Gustav, and A. E. Adams, Wells, Somerset, England. Film projection with continuously moving film. 2,493,794, Jan. 10.

Wikkenhauser, Gustav, A. E. Adams, G. H. Cook, and R. E. Duggan, Wells, England. Film projection with continuously moving film. 2,493,795, Jan. 10.

Wilbe Research Corporation, assignee: *See*—
Forman, Benjamin G.

Wilhelm, Henry T., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridge network. 2,494,499, Jan. 10.

Wilkinson, Charles E., Montreal, Quebec, Canada. Composition-selecting frame. 2,494,077; Jan. 10.

Williams, Beverly E., Chicago, Ill. Method and apparatus for refrigerating and aging meat. 2,494,024, Jan. 10.

Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Ejector pin and breechblock assembly for firearms. 2,494,220, Jan. 10.

Williams, Floyd J., Dallas, Tex. Laminated bearing. 2,494,023, Jan. 10.

Williams, Franklin C., assignor to Eastman Kodak Company, Rochester, N. Y. Linear coordinate transfer computing method and device. 2,494,076, Jan. 10.

Williams, John P., Nashville, Tenn. Light equipped toolholder. 2,493,796, Jan. 10.

Williams, Lawrence, and E. J. Vosler, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Safety device. 2,494,498, Jan. 10.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale poise. 2,494,150, Jan. 10.

Williams, William G., Anaheim, Calif. Tie rack. 2,493,936, Jan. 10.

Willis, Addison O.: *See*—
Steele, Frederick I., and Willis.

Wilson, Charles C., and H. R. Parton, Kings Mountain, N. C. Centrifugal switch. 2,494,422, Jan. 10.

Wilson, Philip J., Jr.: *See*—
Wells, Joseph H., and Wilson, Jr.

Wilson, Robert A., Cranford, N. J., assignor to Standard Oil Development Company. Bubble cap construction. 2,494,372, Jan. 10.

Wingfoot Corporation, assignee: *See*—
Campbell, John F., and Riggs.
Swan, Fillmore D.

Winkel, Jan Te: *See*—
Beljers, Hugo G., Six, and Winkel.

Winskowicz, John A., assignor to Craig Machine, Inc., Danvers, Mass. File cabinet. 2,494,528, Jan. 10.

Wirtanen, Axel M., Eveleth, Minn. Vacuum rupture operated pump. 2,494,529, Jan. 10.

Wirz, A. H., Inc., assignee: *See*—
Lay, John L.

Wishart, Herbert W., University City, Mo., assignor to Curtiss-Wright Corporation. Vulnerability valve. 2,493,906, Jan. 10.

Wittke, Dale R., Minneapolis, Minn. Automotive trailer. 2,494,421, Jan. 10.

Woerner, Rudolph C., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Extractive distillation process. 2,494,274, Jan. 10.

Wojakowski, John, Chicago, Ill. Rolling shelf. 2,494,221, Jan. 10.

Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Variable speed power transmission. 2,494,466, Jan. 10.

Wolfe, Charles M., Glendora, assignor to Aerojet Engineering Corporation, Azusa, Calif. Metallic film electrical pickup. 2,494,109, Jan. 10.

Wolff, Harry J. D., Van Nuys, assignor to E. A. Huntley, Burbank, Calif. Line clamp. 2,493,907, Jan. 10.

Wood, Thomas F., Clifton, N. J., assignor to The Givaudan Corporation. Nitro derivative of tertiary butyl ethyl anisole. 2,493,707, Jan. 10.

Woodruff, Harry L., Washington, D. C. Apparatus for examining gems and crystals. 2,494,078, Jan. 10.

Workman, William J.: *See*—
Fermanian, Armen, Soderman, and Workman.

Wright, Charles A., Milwaukee, Wis. Oil box lid. 2,494,423, Jan. 10.

Wright, Fred J., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic reversing check valve. 2,493,937, Jan. 10.

Wright, Fred J., Upper Arlington, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Road grader. 2,494,324, Jan. 10.

Wright, Manfred G.: *See*—
Schwarz, Bertram A., Stelzl, and Wright.

Wyeth Incorporated, assignee: *See*—
Bruce, William F.
Bruce, William F., Mueller, Seifter, and Szabo.

Yale & Towne Manufacturing Company, assignee: *See*—
Lodin, Charles.

Yankee Metal Products Corporation, assignee: *See*—
Daon, Rene.

Yant, William P.: *See*—
Sanderson, John P., Paulus, and Yant.

Yardeny, Michel N., New York, N. Y. Auto-synchronous remote control apparatus with fine adjustment means. 2,493,844, Jan. 10.

Yeasting, Maynard C.: *See*—
Marshall, Charles O., Jr., and Yeasting.

Yeoman, David E., assignee: *See*—
Bley, Fred M.

Yeoman, Florence, assignee: *See*—
Bley, Fred M.

Young, Allan M., Meriden, Conn., assignor to General Electric Company. Crumb scraper and ejector. 2,494,373, Jan. 10.

Younghusband, James L., Chicago, Ill. Powder box. 2,494,151, Jan. 10.

Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.

Zarybnicky, Edward J.: *See*—
Matthews, Birchard L., and Zarybnicky.

Zettel, Joseph H., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Waterproofing mineral wool. 2,493,845; Jan. 10.

Zwald, Adolph, assignor to Hyster Company, Portland, Oreg. Power transmission. 2,494,222, Jan. 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Circuit breaker. H. A. Humpage. Re. 23,188, Jan. 10.
Leveler, Land. F. T. Smith. Re. 23,190, Jan. 10.
Seal, Mechanical. F. B. Porges. Re. 23,189, Jan. 10.
Truck, Automobile transporting. E. V. Garnett. Re. 23,187, Jan. 10.

LIST OF PLANT INVENTIONS

Rose plant. C. Hartgerink. 912, Jan. 10.

LIST OF DESIGN INVENTIONS

Ash tray and signal, Combination. R. T. Cornelius. 156,818, Jan. 10.
Barrette. A. M. Herschensohn. 156,830, Jan. 10.
Bathtub. C. J. Rodman. 156,843, Jan. 10.
Block, Splash. R. F. Buchanan. 156,812, Jan. 10.
Book end or similar article. D. Greberman. 156,824, Jan. 10.
Bowl, Sugar. E. S. Tupper. 156,855, Jan. 10.
Cabinet, Radio. K. Emde. 156,821, Jan. 10.
Cart, Utility. R. L. Brownlee. 156,810, Jan. 10.
Chain, Jewelry. P. Bardach. 156,804–06, Jan. 10.
Chain, Ornamental. G. Armbrust. 156,802, Jan. 10.
Chair. H. T. McNeill. 156,835, Jan. 10.
Chair or similar article. D. A. Wallance. 156,857, Jan. 10.
Claw hammer and screw driver, Combination. H. Jackson. 156,832, Jan. 10.
Clown figure toy. C. Rouse. 156,846, Jan. 10.
Coaster and ash tray or similar article, Combination. C. Potts 156,840, Jan. 10.
Commode. A. J. Buckner. 156,813, Jan. 10.
Container. H. S. Zaikaner. 156,860, Jan. 10.
Container, Openwork fabric soap. R. H. M. Orr. 156,837, Jan. 10.
Container or similar article, Recipe. R. Simons. 156,851, Jan. 10.
Cover for a vessel. E. S. Tupper. 156,854, Jan. 10.
Creel for anglers. H. L. Domina. 156,820, Jan. 10.
Dress. M. R. Bocher. 156,809, Jan. 10.
Dress. H. C. Cookman. 156,817, Jan. 10.
Egg cup. E. V. Salg. 156,848, Jan. 10.
Filing machine or the like. D. J. Williams. 156,859, Jan. 10.
Fishing lure. S. F. Huneycutt. 156,831, Jan. 10.
Fishing rod handle and reel mount. W. L. Rives. 156,842, Jan. 10.
Fitting, Flow control. L. S. Hamer. 156,826, Jan. 10.
Fitting for pipe lines. L. S. Hamer. 156,828, Jan. 10.
Fitting, Pipe-line. L. S. Hamer. 156,827, Jan. 10.
Fitting, Pipe line. L. S. Hamer. 156,829, Jan. 10.
Gauge, Tire pressure. D. J. Battersby. 156,807, Jan. 10.
Housing and mounting for magnetic tape record handling apparatus, Combined. F. J. Reed and L. J. Bobb. 156,841, Jan. 10.
Housing, Light measuring instrument. W. Warren. 156,858, Jan. 10.
Lid for a suspended milker. C. A. Thomas. 156,852, Jan. 10.
Mouthpiece for wind instruments. C. A. Runyon, Jr. 156,847, Jan. 10.
Pillowcase or similar article. E. I. Cohen. 156,815, Jan. 10.
Pitcher, Cream. J. Badash. 156,803, Jan. 10.
Plate or similar article. L. I. Tucker. 156,853, Jan. 10.
Plate or similar article, Dinner. R. H. Garvin. 156,822, Jan. 10.
Plate or similar article, Dinner. E. M. Otis. 156,838, Jan. 10.
Prod, Animal. J. Juergens. 156,833, Jan. 10.
Rack, Coaster. F. J. Curran. 156,819, Jan. 10.
Rack, Kitchen utensil. B. R. Giukes. 156,823, Jan. 10.
Receiver, Television. G. Beck. 156,808, Jan. 10.
Scraper for windshields or the like. G. H. Hake. 156,825, Jan. 10.
Slicer, Fruit and vegetable. M. Ross. 156,845, Jan. 10.
Slicer, Potato. R. R. Buthorus. 156,811, Jan. 10.
Slicer, Vegetable. P. R. McVicker. 156,836, Jan. 10.
Spoon, Adjustable measuring. F. R. Chester. 156,814, Jan. 10.
Spoon, Measuring. G. H. Shirley. 156,850, Jan. 10.
Stapling machine. H. W. Marano. 156,834, Jan. 10.
Table. M. R. Cohen. 156,816, Jan. 10.
Tablecloth or the like. F. Pilitz. 156,839, Jan. 10.
Toy kitten. F. J. Schippert. 156,849, Jan. 10.
Toy, Rubber rocking. A. O. Walker. 156,856, Jan. 10.
Tray or similar article, Serving. N. W. Roop. 156,844, Jan. 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acceleration control for direct-current motors. G. G. Mozzanini and M. Lebertre. 2,494,516, Jan. 10.
Acid-curing thermosetting resin compositions, curing same, and products thereof. W. Hull. 2,494,095, Jan. 10.
Acrylonitrile, Producing. E. L. Carpenter. 2,494,116, Jan. 10.
Adapter for vehicle-mounted machines. F. J. Hoder, Jr. 2,494,175, Jan. 10.
Adhesive applying mechanism. S. R. Howard. 2,494,176, Jan. 10.
Adjustable garment hanger. J. L. Whitsel. 2,494,272, Jan. 10.
Adjustable rotary table. J. N. Hardy. 2,494,242, Jan. 10.
Adjuster, Automatic brake. F. Neale. 2,493,993, Jan. 10.
Aerating device for live bait containers. G. J. Eidson. 2,493,952, Jan. 10.
Affixing liners to caps. J. L. Lay. 2,494,047, Jan. 10.
Aggregate from clay, Producing lightweight. T. A. Klinefelter. 2,493,763, Jan. 10.
Air cleaner. A. H. Bahnson, Jr. 2,493,849, Jan. 10.
Air-cooled spark plug. J. A. Benson. 2,493,743, Jan. 10.
Aircraft. J. M. Gwinn, Jr. 2,494,090, Jan. 10.
Alarm initiator for pumping systems. L. Hegy. 2,494,124, Jan. 10.
Alkyloltetrahydropyran, Preparation of substituted. W. F. Gresham and W. E. Grigsby. 2,493,964, Jan. 10.
Aluminum stearate solution. J. Cunder and F. J. Licata. 2,494,331, Jan. 10.
Ammunition. G. N. Albree. 2,493,938, Jan. 10.
Amplifier with negative feedback. H. G. Beljers, W. Six, and J. te Winkel. 2,494,426, Jan. 10.
Amylase of Bacillus Macerans, Production of the. R. W. Liggett and W. C. Mussulman. 2,494,514, Jan. 10.
Analyzer, Differential. S. Darlington. 2,494,036, Jan. 10.
Antenna. T. T. Torretti. 2,493,787, Jan. 10.
Antenna, Loop. R. A. Morris and F. A. Iverson. 2,494,255, Jan. 10.
Antenna mounting clamp. M. J. Blaugrund. 2,493,851, Jan. 10.
Antenna system. K. Posthumus. 2,494,198, Jan. 10.
Antiskid device. P. A. Newman. 2,493,994, Jan. 10.
Apparatus for bonding brake linings to brake shoes. C. S. Batchelor and E. L. Carey. 2,494,281, Jan. 10.
Apparatus for burning pulverized fuel. W. A. Thomas. 2,494,070, Jan. 10.
Apparatus for classifying particles. J. E. Watson and C. B. McBride. 2,494,465, Jan. 10.
Apparatus for coating sheet metal articles. M. I. Dorfan. 2,493,754, Jan. 10.
Apparatus for conditioning and supplying clay to pottery forming machinery. W. J. Miller. 2,494,101, Jan. 10.
Apparatus for contacting finely divided solid particles with gaseous materials. C. E. Hemminger. 2,494,337, Jan. 10.
Apparatus for examining gems and crystals. H. L. Woodruff. 2,494,078, Jan. 10.
Apparatus for expanding thermoplastic tubing. V. F. Wigal. 2,494,273, Jan. 10.
Apparatus for illuminating images for projectors. B. G. Robbins. 2,494,356, Jan. 10.
Apparatus for logging wells in terms of drilling rates. J. T. Hayward. 2,494,092, Jan. 10.
Apparatus for making a joint in a flat metal sleeve for overlapping portions of metal strapping. W. C. Gillman. 2,494,386, Jan. 10.
Apparatus for making mold charges from plastic ceramic materials. A. J. Wahl. 2,494,112, Jan. 10.
Apparatus for obtaining multiple packages, especially adaptable for tablets and similar products. C. Nicolle. 2,494,484, Jan. 10.
Apparatus for one-time posting systems. F. F. Pfeiffer, D. H. Lansing, and R. B. Smith. 2,494,142, Jan. 10.
Apparatus for operating gas turbine plants. W. Traupel. 2,494,320, Jan. 10.
Apparatus for perforating well casings and well walls. M. Muskat, F. W. Parker, and W. L. Kehl. 2,494,256, Jan. 10.
Apparatus for securing workpieces together. H. G. Kellogg. 2,494,096, Jan. 10.
Apparatus for soldering lead wires to electrical units. A. Fermanian, G. W. Soderman, and W. J. Workman. 2,494,474, Jan. 10.
Apparatus for striping fabrics. L. N. Dexter. 2,494,378, Jan. 10.
Apparatus for winding heat exchangers. S. C. Collins. 2,494,286, Jan. 10.
Appliance for use as an artificial dam in cases of rectal incontinence, Removable. O. F. Lamson. 2,494,393, Jan. 10.
Applying tapes to cables, Method and apparatus for. A. L. Loucks. 2,494,050, Jan. 10.
Armor for overhead cable mountings. J. B. Clapp. 2,494,285, Jan. 10.
Armored cable cutter. C. D. Belden. 2,493,941, Jan. 10.
Arrangement of aircraft propulsion and radio viewing components. F. I. Steele and A. O. Willis. 2,494,368, Jan. 10.
Article heating and delivery apparatus. H. A. Strickland, Jr., B. R. Purvin, and D. W. Riddell. 2,493,785, Jan. 10.
Article securing means. A. Israelson. 2,494,130, Jan. 10.
Artificial hand. R. B. Trautman. 2,494,460, Jan. 10.
Artificial limb. A. and B. G. Pecorella. 2,493,776, Jan. 10.
Attachment for lawn mowers. S. Sherrow. 2,494,062, Jan. 10.
Attachment for pliers, Saw blade holding. B. P. Johnston. 2,493,972, Jan. 10.
Attachment for sewing machines, Edge cutter. A. Alifano and N. M. Porreca. 2,493,735, Jan. 10.
Attachment for tractors, Wire reeling. J. E. Foran. 2,494,383, Jan. 10.
Attachment for wheels. T. Koniskey. 2,493,879, Jan. 10.
Azo-dyestuffs and making same. F. Straub, W. Hanhart, and E. Mannhart. 2,494,416, Jan. 10.
Bag with cover, Base. J. Josselson. 2,494,511, Jan. 10.
Bait, Artificial. R. O. Rhodes. 2,494,407, Jan. 10.
Baler tension, Automatic. G. L. Burkett. 2,494,033, Jan. 10.
Bar: *See*—
Wrecking bar.
Barbituric acid derivatives and preparing them. W. F. Bruce, G. Mueller, J. Seifter, and J. L. Ssabo. 2,494,084, Jan. 10.
Barrel, Core. B. W. Sewell. 2,494,363, Jan. 10.
Base, Swivel. W. V. Critchfield. 2,494,230, Jan. 10.
Bearing: *See*—
Laminated bearing.
Bearing arrangement for rotatably supported, shell-shaped bodies. T. K. Lütolf. 2,493,886, Jan. 10.
Bedspring. C. J. Elder. 2,494,432, Jan. 10.
Belt. I. R. Versoy. 2,494,216, Jan. 10.
Belt disconnect, Single-action safety. J. R. Sabbia. 2,494,207, Jan. 10.
Belt, Impervious spring-enclosing. B. F. Pease, Jr. 2,494,262, Jan. 10.
Beneficiation of acidic minerals. D. W. Jayne, H. M. Day, and E. W. Gieseke. 2,494,132, Jan. 10.
Bit: *See*—
Curb bit.
Blackboard, Educational. J. Schatz. 2,494,362, Jan. 10.
Blanking and piercing device. A. M. Urquhart. 2,494,018, Jan. 10.
Block: *See*—
Sanding block.
Board: *See*—
Extensible ironing board.
Boat structure. R. W. Hardman and C. H. Boxmeyer. 2,493,816, Jan. 10.
Boat trailer. S. P. Gruska. 2,494,509, Jan. 10.
Bobber for fishing lines. E. G. Johnson. 2,493,971, Jan. 10.
Boiler: *See*—
Differential boiler.
Boiler combustion chamber control. A. J. H. Hassell. 2,494,173, Jan. 10.
Boiler structure. J. J. Oakes. 2,494,140, Jan. 10.
Book support. H. R. Faulkner, J. N. Pettus, and J. R. Bradshaw. 2,494,382, Jan. 10.
Bowl, Fiber scouring and washing. E. H. Brooks, Sr. 2,493,944, Jan. 10.
Box: *See*—
Powder box.
Bracket: *See*—
Lighting fixture bracket.
Braided product and producing the same. N. C. Jeckel. 2,494,389, Jan. 10.
Brake. W. H. Baselt. 2,494,280, Jan. 10.
Brake beam. C. R. Busch. 2,493,913, Jan. 10.
Brake system, Booster. F. D. Swan. 2,494,319, Jan. 10.
Brake system, Fluid operated. H. W. Trevaskis. 2,494,461, Jan. 10.
Brake with rearwardly slidable clamping beam, Metal bending. R. L. Webb. 2,494,149, Jan. 10.
Brush with work operated discharge valve, Fountain. R. D., M., and C. Morgadanes. 2,493,990, Jan. 10.
Bubble cap construction. R. A. Wilson. 2,494,372, Jan. 10.
Buff. L. J. Walling. 2,493,791, Jan. 10.

Bulldozer, Scarifying. W. J. Blake. 2,494,225, Jan. 10.
Burner: *See*—
Pressure ribbon-type gas burner. Tray type liquid fuel burner.
Burner with pressure-governed valves, Multiple gas. H. S. Minster. 2,494,190, Jan. 10.
Burning fine solids, Method and apparatus for. C. S. Gladden. 2,493,960, Jan. 10.
Cabin enclosure and mounting means therefor, Aircraft. A. E. Ulrich, H. F. Hume, C. J. Arcarese, and F. I. Steele. 2,493,904, Jan. 10.
Cabinet: *See*—
File cabinet.
Vertically extensible projection television receiver cabinet.
Cabinet of dry air type, Beverage cooling. L. Weiss. 2,494,074, Jan. 10.
Cable reel. F. R. Schaefer, and R. W. Emery. 2,494,521, Jan. 10.
Call system, Personal. H. F. Olson. 2,494,451, Jan. 10.
Camera, High-speed. K. McC. Baird. 2,494,082, Jan. 10.
Camera shutter trigger lock. C. C. Fuerst. 2,494,042, Jan. 10.
Cane mill. F. T. Penton. 2,494,195, Jan. 10.
Canister, Oxygen generating. C. B. Jackson, H. C. Beahm, and A. C. Van Andel. 2,494,131, Jan. 10.
Canopy and frame, Boat. W. R. Reynolds. 2,493,833, Jan. 10.
Capacitance device, Electrical. H. E. Barnes. 2,494,502, Jan. 10.
Capsule, Plurality. A. A. Greenberg. 2,494,294, Jan. 10.
Carbamyalkyl phosphates and preparation. J. T. Cassaday, E. I. Hoegberg, and B. D. Gleissner. 2,494,283, Jan. 10.
Carbon dioxide generator. J. P. Sanderson, P. V. Paulus, and W. P. Yant. 2,494,145, Jan. 10.
Carbon dioxide snow, Production of. W. H. Freygang. 2,493,759, Jan. 10.
Carburetor accelerating pump. H. A. Carlson. 2,493,804, Jan. 10.
Card-interlock system, Identification. E. J. Bastin, Jr., and G. V. Lyons. 2,494,155, Jan. 10.
Car door. W. A. Beauchamp. 2,494,467, Jan. 10.
Card, Record. W. A. Ayres. 2,493,847–8, Jan. 10.
Carriage and stroller, Convertible baby. W. L. Raucher. 2,494,489, Jan. 10.
Carriage means for flushing the interior of lengths of pipe, Guided. C. G. Ellig. 2,494,380, Jan. 10.
Carrier: *See*—
Receptacle carrier. Tire carrier.
Carton. W. P. Frankenstein. 2,494,234, Jan. 10.
Cartridge, Grease gun. A. W. McCarty. 2,493,891, Jan. 10.
Case: *See*—
Refrigerated self-service display case.
Case having a defrosting system, Self-service refrigerated. M. D. MacMaster. 2,494,480, Jan. 10.
Casket, Plastic. A. P. Dowling. 2,494,473, Jan. 10.
Catalyst regeneration apparatus. L. F. Strader. 2,493,784, Jan. 10.
Catalytic conversion. R. J. Hengstebeck. 2,493,917, Jan. 10.
Cementitious composition. J. P. Ryan. 2,493,930, Jan. 10.
Center punch. T. E. Darnell. 2,494,287, Jan. 10.
Centrifugal switch. C. C. Wilson and H. R. Parton. 2,494,422, Jan. 10.
Ceramic batch. C. R. Austin and E. J. Rogers. 2,494,276, Jan. 10.
Ceramic body and batch for making same. C. R. Austin and E. J. Rogers. 2,494,277, Jan. 10.
Chain: *See*—
Conveyer chain.
Chair: *See*—
Combination high chair.
Chart, Adjustable calculating. H. G. Griesbaum. 2,494,172, Jan. 10.
Chemical injection device. L. M. Hartwick. 2,493,870, Jan. 10.
Chloroprene polymers, Preparation of. G. H. Daniels. 2,494,087, Jan. 10.
Chromate production. M. J. Udy. 2,494,215, Jan. 10.
Chromate, Production of. M. J. Udy. 2,493,789, Jan. 10.
Chuck, Floating. A. E. Drissner. 2,494,166, Jan. 10.
Cigarette, Match tip. D. A. Raffa. 2,493,832, Jan. 10.
Circuit: *See*—
Electronic signal mixing circuit. Oscillator circuit. Tube testing circuit.
Multigrid tube amplifier circuit.
Circuit arrangement producing a direct voltage for supplying a cathode-ray tube. J. Haantjes and B. W. van Ingen Schenau. 2,494,241, Jan. 10.
Circuit breaker. F. Gubing. 2,494,122, Jan. 10.
Circuit control switch. R. E. Prouty. 2,493,899, Jan. 10.
Circuit controller, Electrical. J. M. Laiho. 2,494,181, Jan. 10.
Circuit for television receivers, Centering. W. J. Stolze. 2,494,457, Jan. 10.
Clamp: *See*—
Antenna mounting clamp. Line clamp. Core clamp.
Cleaner: *See*—
Air cleaner.
Clock. H. G. Stein. 2,494,011, Jan. 10.
Closure for collapsible tubes, Automatic. A. E. Groody. 2,493,814, Jan. 10.
Clutch and brake control for shoe stitchers. W. Pearson. 2,494,452, Jan. 10.
Clutch and brake mechanism. G. Minkowitz. 2,493,894, Jan. 10.
Clutch mechanism for sewing machines. E. Scholj. 2,494,006, Jan. 10.
Clutch with equalizing means, Interior radially expanding. A. F. Berger. 2,493,744, Jan. 10.
Coatings on aluminum and alloys thereof, Production of protective. C. L. Waring. 2,493,934, Jan. 10.
Coffee-making apparatus and automatic control means therefor. D. F. Swanson. 2,493,932, Jan. 10.
Coil, Induction. W. L. Carlson. 2,494,470, Jan. 10.
Coil tail pulling apparatus. O. H. McCleary. 2,494,399, Jan. 10.
Collapsible floral rack. C. O. Gipson. 2,493,810, Jan. 10.
Collapsible safety gate. N. R. Gulbert, Jr. 2,493,815, Jan. 10.
Combination high chair. H. B. Kauffman. 2,494,045, Jan. 10.
Combined tool. J. P. Guignabert. 2,494,089, Jan. 10.
Commutator-connector. H. A. Jonard and M. H. Polzin. 2,494,244, Jan. 10.
Compact, Illuminated. E. M. and H. Bates. 2,494,375, Jan. 10.
Compartment door latch. C. Ledin. 2,494,048, Jan. 10.
Compensating mechanism, Centrifugal force. H. H. Merwin and E. W. Reynolds. 2,494,483, Jan. 10.
Composition-selecting frame. C. E. Wilkinson. 2,494,077, Jan. 10.
Compositions of resinous epoxides and aromatic sulfonamide-aldehyde condensates. S. O. Greenlee. 2,494,295, Jan. 10.
Computing method and device, Linear coordinate transfer. F. C. Williams. 2,494,076, Jan. 10.
Condensation drain valve. C. C. Farmer. 2,494,434, Jan. 10.
Conditioning metal bodies, Thermochemically. J. H. Bucknam and I. P. Thompson. 2,493,802, Jan. 10.
Connection for control cables, Terminal. D. M. Threewit. 2,493,841, Jan. 10.
Container. H. C. Miller. 2,493,922, Jan. 10.
Container. K. S. Still. 2,494,456, Jan. 10.
Container partitions, Manufacturing collapsible cellular. W. C. George and A. P. Klasing. 2,494,437, Jan. 10.
Container with spring latch closure. R. C. Shipley. 2,493,901, Jan. 10.
Control apparatus with fine adjustment means, Auto-synchronous remote. M. N. Yardeny. 2,493,844, Jan. 10.
Control arrangement for photographic cameras. H. N. Fairbanks. 2,494,038, Jan. 10.
Control device. R. J. Scheidt. 2,494,410, Jan. 10.
Control device, Thermostatic. H. Andrews. 2,494,079, Jan. 10.
Control device, Tone arm. R. W. Simon. 2,494,063, Jan. 10.
Control for the conduction of combustion air. H. F. Lyons. 2,494,342, Jan. 10.
Control for tiltable mixing drums. B. Essick. 2,494,118, Jan. 10.
Control for wind-driven propellers, Automatic. A. Osterback. 2,493,895, Jan. 10.
Control means for tandem disk harrows, Elevational. R. T. Evans and J. H. Clasen. 2,494,381, Jan. 10.
Control means for the blades of the sustaining rotor of a rotary-wing aircraft. R. Hafner. 2,493,869, Jan. 10.
Control system for dynamoelectric machines, Electronic. H. H. Leigh. 2,494,340, Jan. 10.
Control system for hydraulically actuated valves and the like. J. W. Lincoln. 2,494,183, Jan. 10.
Controlling device. C. S. Baker. 2,494,279, Jan. 10.
Conveyer, Articulated. J. J. Mason. 2,494,302, Jan. 10.
Conveyer, Bake oven. M. F. Cargill. 2,493,857, Jan. 10.
Conveyer chain. A. Sharp. 2,494,009, Jan. 10.
Conveying machine, Pneumatic. R. C. Andres. 2,494,500, Jan. 10.
Cooler and holder, Combined bottle. J. Di Bari. 2,494,289, Jan. 10.
Cooler having automatic control means, Milk. C. H. Kafer and H. D. White. 2,494,512, Jan. 10.
Copolymers of diallyl fumarate and styrene. R. E. Davies and A. R. Esterly. 2,493,948, Jan. 10.
Copyholder. J. A. Holton, Sr. 2,494,129, Jan. 10.
Core clamp. A. F. Mittermaier. 2,494,350, Jan. 10.
Core for magnetic record transducers, Magnetic transducing. S. J. Begun and M. D. Temple. 2,493,742, Jan. 10.
Corrugating mechanism, Continuous. K. J. Eckstein. 2,494,431, Jan. 10.
Corset. M. J. Prevost. 2,493,831, Jan. 10.
Coupling for Christmas tree branches, Repair. A. Goetter. 2,494,476, Jan. 10.
Cover: *See*—
Exhaust pipe end cover. Wheel cover.
Cracking catalyst and cracking process utilizing the same. E. C. Hughes and S. M. Darling. 2,493,761, Jan. 10.
Cradle, Tube shipping. E. R. Goldfield and R. C. Schiring. 2,494,170, Jan. 10.
Crane for erecting silos. W. C. Lutz. 2,493,887, Jan. 10.

Crate, Collapsible. H. A. Abbott. 2,494,275, Jan. 10.
Creaming of mixtures of synthetic rubber latices of different average particle sizes. J. S. Rumbold. 2,494,002, Jan. 10.
Creel. W. J. Elvin and E. R. Stahl. 2,493,863, Jan. 10.
Creped webs, Process of and apparatus for making longitudinally and laterally stretchable. P. W. Dorst. 2,494,334, Jan. 10.
Cube maker, Automatic ice. F. H. Schaberg and N. H. Therriault. 2,493,900, Jan. 10.
Curb bit. F. A. Ray. 2,494,201, Jan. 10.
Cutter: *See*—
Armored cable cutter. Rotary weed cutter.
Inside pipe cutter. Vegetation cutter.
Lawn edge cutter.
Cutting machine, Combination harvesting and ensilage. S. C. Heth. 2,494,388, Jan. 10.
Cyanoalkyl phosphates and preparation. J. T. Casaday, E. I. Hoegberg and B. D. Gleissner. 2,494,284, Jan. 10.
Cylinder construction, Hydraulic. F. B. Hunter. 2,493,875, Jan. 10.
Cylinder controlling mechanism. J. Wawzonek. 2,493,905, Jan. 10.
Damper for overhead cables, Vibration. L. Rostoker. 2,494,358, Jan. 10.
Deaerator. J. B. Bidwell and A. F. Underwood. 2,494,427, Jan. 10.
Decorating machine, Potteryware. W. H. Emerson. 2,493,953, Jan. 10.
Deflector, Air. B. R. Reed. 2,494,057, Jan. 10.
Deflector, Cathode-ray beam. C. E. Torsch. 2,494,459, Jan. 10.
Derivatives obtained by reacting gelatin and furoyl halides. G. F. Frame. 2,494,041, Jan. 10.
Detachable illuminated card holder. R. S. King. 2,494,179, Jan. 10.
Determining particle size distribution, Method and apparatus for electronically. J. Hillier. 2,494,441, Jan. 10.
Device for applying adhesive tape. B. Burns. 2,493,737, Jan. 10.
Device for counting persons ascending and descending a flight of steps. F. A. Meuriot. 2,494,401, Jan. 10.
Device for opening clogged lubrication fitting passages. F. D. Jones. 2,494,298, Jan. 10.
Device for transmitting rotary motion. P. Rime-Bruneau. 2,494,203, Jan. 10.
Dialkylamino alkyl piperate and its hydrochloride. M. E. Synerholm. 2,494,458, Jan. 10.
Diaper, Inversive fold. J. R. Niolon. 2,494,307, Jan. 10.
Diaper, Pinless. M. and B. Rodgen. 2,494,312, Jan. 10.
Die-casting apparatus. C. C. Veale. 2,494,071, Jan. 10.
Differential boiler. H. O. McMahon. 2,494,304, Jan. 10.
Dimethine merocyanine dyes. L. G. S. Brooker and F. L. White. 2,494,031, Jan. 10.
Discharge control means, Inertia operated. P. H. McDermott. 2,494,052, Jan. 10.
Disconnect of supply lines, Pilot's quick. J. R. Sabbia. 2,494,005, Jan. 10.
Disks for separating potatoes from debris, Rotatable. N. A. Talmage. 2,494,417, Jan. 10.
Dispenser: *See*—
Merchandise dispenser.
Displacement mechanism. J. Mikulasek. 2,494,100, Jan. 10.
Distillation process, Extractive. R. C. Woerner. 2,494,274, Jan. 10.
Diversity receiver. H. O. Peterson and R. E. Schock. 2,494,309, Jan. 10.
Dividing machine. B. M. Durfee. 2,493,862, Jan. 10.
Docking device, Lamb. M. J. Walczak. 2,493,790, Jan. 10.
Door: *See*—
Car door.
Door lock. J. Kuama. 2,494,478, Jan. 10.
Dowser, Automatic fire and change-over. L. Mannon. 2,494,187, Jan. 10.
Draining containers, System of. H. P. Smith. 2,493,837, Jan. 10.
Drill bit with replaceable cutters, Detachable rock. J. M. Meaney. 2,494,188, Jan. 10.
Drive for lathe camshafts, Two-speed. G. E. Cuttat. 2,493,738, Jan. 10.
Driver unit, Work. S. Nowka. 2,493,995, Jan. 10.
Driving unit. H. J. Luehrs. 2,494,443, Jan. 10.
Drying and pulverizing method and apparatus. N. H. Andrews and J. L. Speirs. 2,494,153, Jan. 10.
Dumping mechanism for farm vehicles. L. R. Jacobs and G. R. Halterman. 2,493,877, Jan. 10.
Dyestuffs of the anthraquinone series. E. Gutzwiller. 2,494,240, Jan. 10.
Ear for handle bails, Reinforcing. R. G. Curtis. 2,494,507, Jan. 10.
Educational device. B. L. Trapnell. 2,494,497, Jan. 10.
Ejector pin and breechblock assembly for firearms. D. M. Williams. 2,494,220, Jan. 10.
Electric extension cord plug. A. C. Hass. 2,493,871, Jan. 10.
Electric furnace. N. O. Christy. 2,494,035, Jan. 10.
Electric generating system. R. J. Lusk. 2,494,397, Jan. 10.
Electric impulse generator. E. A. Newman. 2,494,353, Jan. 10.
Electric machine. N. A. Ramqvist. 2,494,200, Jan. 10.
Electric resistances, Making. R. G. McCoy and W. W. Werring. 2,494,051, Jan. 10.
Electrical system, Timed. L. O. Grainger. 2,494,121, Jan. 10.
Electrolytic recording. H. G. Greig. 2,493,963, Jan. 10.
Electrolyzer, Pressure. R. C. Ryman. 2,494,264, Jan. 10.
Electromagnet. J. Last. 2,493,885, Jan. 10.
Electromagnet with pivoted armature, Ironclad. O. E. Rosaen. 2,494,491, Jan. 10.
Electromagnetic fishing tool. J. P. Murphy and H. E. McKinney. 2,493,992, Jan. 10.
Electronic signal mixing circuit. R. D. McCoy and T. J. Kusto. 2,493,772, Jan. 10.
Elevator and conveyer for cylindrical articles. D. W. Bingham. 2,493,942, Jan. 10.
Elevator, Testing vat. R. E. Benson. 2,494,224, Jan. 10.
Elevator, Vertical. P. Diebold. 2,494,165, Jan. 10.
Emulsion polymerization process. E. Arundale. 2,494,326, Jan. 10.
Engine: *See*—
Two-cycle internal-combustion engine.
Etching compound. G. R. McKay. 2,493,984, Jan. 10.
Ethers of cyclic sulfones, Substituted. R. C. Morris and J. L. Van Winkle. 2,494,515, Jan. 10.
Ethylcellulose articles and making same, Surface treated. E. L. Kropscott and P. H. Lipke. 2,494,513, Jan. 10.
Exhaust pipe end cover. C. R. Taylor. 2,494,016, Jan. 10.
Exposure determining device for photographic cameras having cooperating indicia on camera and film magazine. K. Rath. 2,493,928, Jan. 10.
Extensible ironing board. D. H. Clark. 2,494,506, Jan. 10.
Extraction of lactones. R. Kapp, F. D. Pickel and L. T. Rosenberg. 2,494,338, Jan. 10.
Extractor and loader, Automatic. W. Weber. 2,494,021, Jan. 10.
Fastener: *See*—
Hat fastener. Testing slide fastener.
Fatty esters, Production of. F. J. Sprules and D. Price. 2,494,366, Jan. 10.
Feeding device. R. D. Trelease and C. H. Koons. 2,494,147, Jan. 10.
Fiber-reenforced bowling pin. M. P. Montero. 2,494,351, Jan. 10.
Fiber treatment. W. R. Adams. 2,493,740, Jan. 10.
File cabinet. J. A. Winskowicz. 2,494,528, Jan. 10.
Filling a container by vacuum and then placing the container under pressure. A. J. Ritchie. 2,494,454, Jan. 10.
Filling device, Fountain pen. G. W. Oakes. 2,494,518, Jan. 10.
Film, Antistatic photographic. G. F. Nadeau and W. R. White. 2,494,054, Jan. 10.
Film projection with continuously moving film. G. Wikenhauser. 2,493,793, Jan. 10.
Film projection with continuously moving film. G. Wikenhauser and A. E. Adams. 2,493,794, Jan. 10.
Film projection with continuously moving film. G. Wikenhauser, A. E. Adams, G. H. Cook, and R. E. Duggan. 2,493,795, Jan. 10.
Finger safety protector. J. E. Morvey. 2,494,306, Jan. 10.
Firearm sight, Adjustable. G. F. Davis. 2,494,163, Jan. 10.
Fish lure. T. G. Hill. 2,494,093, Jan. 10.
Fishing lure. T. S. and Z. F. Gadzinski. 2,494,384, Jan. 10.
Fishing reel. D. A. Luton. 2,493,766, Jan. 10.
Fixture, Electrical. C. D. McCann. 2,494,398, Jan. 10.
5-acylamino uracils and making the same. G. H. Hutchings and R. L. Thompson. 2,494,125, Jan. 10.
Flashlight. Y. Samallon. 2,494,265, Jan. 10.
Flight training, Aircraft. R. C. Dehmel. 2,494,508, Jan. 10.
Flotation of titanium oxide mineral concentrates. S. P. Moyer. 2,494,139, Jan. 10.
Flow valve. J. M. Harris, Jr. 2,494,091, Jan. 10.
Fluid control and by-pass tool. E. J. Gray. 2,493,962, Jan. 10.
Food product, Making an avocado. L. E. Harrison. 2,493,818, Jan. 10.
Form. F. J. Carlin. 2,494,329, Jan. 10.
Form for building cementitious walls. F. L. Oelfke and R. L. Horstman. 2,493,826, Jan. 10.
Forming stacked magnetic cores. A. F. Mittermaier. 2,494,349, Jan. 10.
4,4'-di-(sec-alkylamino)-diphenylamines. A. C. Ruggles. 2,494,059, Jan. 10.
Frame: *See*—
Composition-selecting frame. Photographic printing frame.
Metallic frame. Picture frame.
Frequency responsive control system. G. L. Rogers. 2,494,357, Jan. 10.
Friction device. D. M. Light. 2,494,300, Jan. 10.
Frictional increasing device of motor vehicles. C. A. Feather. 2,494,039, Jan. 10.
Fuel mixture, Gaseous. S. H. White. 2,494,219, Jan. 10.
Fumaric acid, Producing. D. Levin. 2,494,049, Jan. 10.

Furnace: *See*—
Electric furnace.
Gas-fired muffle furnace.
Submerged resistor induction furnace.
Tubular air heating furnace.
Furnace and operating the same, Open-hearth. R. B. Sosman. 2,494,415, Jan. 10.
Furnace with separable burner assembly rings therefor, Oil burning. E. R. Baker. 2,494,374, Jan. 10.
Game board and disks for same, Grooved. L. W. Lowe, Sr. 2,494,301, Jan. 10.
Game, Electrically controlled baseball. E. P. Koppin. 2,494,248, Jan. 10.
Garment construction. R. V. Frazer. 2,494,292, Jan. 10.
Garment, Man's nether. R. S. Meggs. 2,493,822, Jan. 10.
Garment, Urinal collecting. G. E. Kurts. 2,494,477, Jan. 10.
Gas-fired muffle furnace. M. H. Tuttle. 2,494,530, Jan. 10.
Gas meter valve. F. W. Korfmann. 2,493,880, Jan. 10.
Gas turbine. R. J. Imbert. 2,494,178, Jan. 10.
Gate: *See*—
Collapsible safety gate.
Gauge: *See*—
Plug gauge.
Gear for machine tools, Reversing. A. Bechler. 2,494,156, Jan. 10.
Generating system, Multifrequency oscillation. A. G. Manke. 2,494,345, Jan. 10.
Generation of grid voltages for the grids of converters. H. Keller. 2,494,246, Jan. 10.
Generator: *See*—
Carbon dioxide generator.
Electric impulse generator.
Generator fault protection. H. R. Sills. 2,494,365, Jan. 10.
Glass articles, Fibrous. M. E. Nordberg. 2,494,259, Jan. 10.
Glassworking machine. J. S. Harker. 2,494,387, Jan. 10.
Glider, Rope. D. H. Bucks. 2,493,855, Jan. 10.
Glove. H. S. Kochman. 2,493,977, Jan. 10.
Glycyl derivatives of amino quinolines, Disubstituted. W. F. Bruce. 2,494,083, Jan. 10.
Golf Tee, Practice. A. W. Powell, Sr. 2,494,197, Jan. 10.
Governor, Speed. T. I. Larsen. 2,493,883, Jan. 10.
Grabhook, Claw. W. Spann. 2,494,010, Jan. 10.
Grader, Road. F. J. Wright. 2,494,324, Jan. 10.
Gradometer. G. Craft and V. G. Carlson. 2,493,946, Jan. 10.
Graphite anode, Electrolytically polished. J. Bakker. 2,494,425, Jan. 10.
Grease trapping device. P. A. Spanos. 2,494,146, Jan. 10.
Grill, Heating. E. Mosthaf. 2,494,447, Jan. 10.
Guard, Hosiery. L. L. Kirts. 2,493,878, Jan. 10.
Guide for papermaking machines, Wire. K. A. Karlsson. 2,494,245, Jan. 10.
Guide, Vehicle window. B. S. Floraday. 2,494,040, Jan. 10.
Gun package. R. H. Cocks and R. G. Smith. 2,493,945, Jan. 10.
Gyro precessing means. D. F. Caris and W. W. Perkins. 2,494,429, Jan. 10.
Gyroscope top. L. Sanders and C. Paff. 2,493,834, Jan. 10.
Halides, Production of unsaturated. G. J. Carlson. 2,494,034, Jan. 10.
Hammermill with auxiliary rotor for providing a more effective discharge of material. L. H. Ryan. 2,494,107, Jan. 10.
Handle: *See*—
Stacking box handle.
Handle. T. Lamb. 2,493,764, Jan. 10.
Handle for pots and pans, Detachable. H. Bernstein. 2,494,159, Jan. 10.
Hanger: *See*—
Adjustable garment hanger.
Trouser hanger.
Hanger for trousers and skirts. G. C. Deck. 2,493,860, Jan. 10.
Hanger structure, Roller skate resilient. R. R. Ware, Jr. 2,494,019, Jan. 10.
Hardening alloys by indiffusion of a metalloid. M. J. Druyvesteyn and J. L. Meyering. 2,493,951, Jan. 10.
Hardening of photographic silver halide gelatin emulsions with nitro alcohols. B. A. Orkin. 2,494,055, Jan. 10.
Harvester with means for conversion from chopper to windrower. G. B. Hill. 2,493,918, Jan. 10.
Hat attached posture indicator. P. Badovinac. 2,494,278, Jan. 10.
Hat fastener. E. M. Baker. 2,493,908, Jan. 10.
Hat holder. E. W. Pfeil. 2,494,488, Jan. 10.
Heat exchanger. F. D. James. 2,493,969, Jan. 10.
Heater: *See*—
Sheet metal open hearth heater.
Heater, G. L. Johnson and W. A. Hagerbaumer. 2,493,970, Jan. 10.
Heater for Bituminous materials and the like, Immersion. C. W. Osmond. 2,494,260, Jan. 10.
Heating apparatus and fuel flow controlling means therefor. W. S. Landon. 2,494,394, Jan. 10.
Heating of small areas, Method of and apparatus for induction. O. M. Marquardt and W. A. Majeska. 2,493,771, Jan. 10.
Heating unit, Concentric coil sheath. L. M. Daly. 2,494,333, Jan. 10.
Heating, vaporising, and/or boiling water. L. J. Montone. 2,493,923, Jan. 10.
Heel attaching machine. E. F. Small. 2,494,494, Jan. 10.
Heel-pricking means. T. B. Clarke and A. A. Rivington. 2,493,859, Jan. 10.
Helicopter. K. Watson. 2,494,217, Jan. 10.
Heptane, Producing high purity normal. K. J. F. Dutson. 2,494,335, Jan. 10.
Hinge construction. A. V. Rowe. 2,494,001, Jan. 10.
Hinge, Roller type. A. F. Matthews. 2,494,347; Jan. 10.
Hitch, Tractor. S. Maras. 2,493,888; Jan. 10.
Hitch, Trailer. H. D. Hume. 2,493,874; Jan. 10.
Hitching arrangement for harvesters and allied equipment. N. F. Andrews, R. L. Dort, J. Verger, W. J. Coultas, and S. E. Hill. 2,494,080; Jan. 10.
Holder: *See*—
Detachable illuminated card holder.
Hat holder.
Knurling tool holder.
Magnetic sadiron holder.
Match holder.
Phonograph record holder.
Portable hat holder.
Rotary film holder.
Soap holder.
Toilet paper roll holder.
Transducer holder.
Holder and paint can handle, Combination brush. C. G. Davis. 2,493,751; Jan. 10.
Holder for metal wool. A. Schimel. 2,493,835; Jan. 10.
Horn assembly, Reentrant. S. E. Levy. 2,494,134; Jan. 10.
Hosiery. E. W. Boedeker. 2,493,910; Jan. 10.
Hosiery. L. J. Picard. 2,493,830; Jan. 10.
Hydraulic reversing check valve. F. J. Wright. 2,493,937; Jan. 10.
Hydrocarbons, Treatment of. J. W. Latchum, Jr. 2,493,981; Jan. 10.
Hydrofluorene carboxylic acids, Substituted. K. Miescher and G. Anner. 2,494,254; Jan. 10.
Hydrolysis of casein. J. A. Reyniers. 2,493,777; Jan. 10.
Hydrophenanthrene carboxylic acids and derivatives thereof and making same. K. Miescher and G. Anner. 2,493,773; Jan. 10.
Hydrophenanthrene compounds and making same. K. Miescher and J. Heer. 2,494,253; Jan. 10.
Hypodermic unit and making same. W. Erhard. 2,494,290; Jan. 10.
Iceboat or other runnered vehicle. L. M. J. Foulke. 2,493,959; Jan. 10.
Ignition system for gas or liquid fuel appliances. B. L. Matthews and E. J. Zarybnicky. 2,493,889–90; Jan. 10.
Illuminated device, Ornamental. W. J. Morrison. 2,493,991; Jan. 10.
Illuminating device. L. R. Paul. 2,493,829; Jan. 10.
Implement, Culinary. R. C. F. Brainard. 2,493,854; Jan. 10.
Implement, Fruit-coring. R. Kudd. 2,493,979; Jan. 10.
Incinerator for drying and burning wet refuse, Multistage. J. G. Ames. 2,493,939, Jan. 10.
Increasing the axial tensile strength of threaded joints. J. L. Holmquist and P. W. Pheneger. 2,494,128; Jan. 10.
Index device in which a selected sheet is held down and sheets thereabove lifted. W. Faas. 2,494,167; Jan. 10.
Indicator: *See*—
Hat attached posture indicator.
Rhythmic cycle indicator.
Indicators of mechanical expansion, Making electrical. K. B. Blodgett and V. J. Schaefer. 2,493,745; Jan. 10.
Injection system for internal-combustion engines, Water. S. W. Garrigus. 2,493,808; Jan. 10.
Inside pipe cutter. R. D. Patrick, Jr. 2,494,193; Jan. 10.
Inspection device, Hosiery. E. J. Butler. 2,493,803; Jan. 10.
Instrument and bow, Stringed musical. J. A. Graydon. 2,493,812; Jan. 10.
Instrument, Control. J. F. Maienshein. 2,494,135; Jan. 10.
Instrument, Electrical measuring. W. M. Ross. 2,494,206; Jan. 10.
Instrument, Musical. J. K. Mason. 2,494,251; Jan. 10.
Instrument, Musical. A. L. Notara. 2,494,485; Jan. 10.
Instrument, Universal telephone. H. F. Obergfell. 2,494,450, Jan. 10.
Iron, Making gray cast. H. C. Griggs and L. J. Litalien. 2,494,238, Jan. 10.
Irrigating device, Colon. N. M. Dulity. 2,494,088; Jan. 10.
Jack: *See*—
Railway car jack.
Joint for electric cable systems. C. E. Bennett. 2,493,909; Jan. 10.
Jogger, Paper. C. S. Weyandt. 2,494,075; Jan. 10.
Kaleidoscope, Mechanical. H. B. Grow. 2,494,239; Jan. 10.
Keying stage, Frequency shift. G. L. Usselman. 2,494,321; Jan. 10.
Keying system. M. W. Rosen. 2,493,778; Jan. 10.
Kite, Rotating. J. R. Carnwath. 2,494,430, Jan. 10.
Knurling tool holder. E. L. Weaver. 2,494,073; Jan. 10.
Lactalbumin, Purifying. W. E. Truce. 2,494,148; Jan. 10.
Lading impact absorber. G. W. Rydner and R. T. Collins. 2,494,004; Jan. 10.
Laminated bearing. F. J. Williams. 2,494,023; Jan. 10.

Laminated reactor. W. F. Koubek. 2,494,180; Jan. 10.
Latch: *See*—
Compartment door latch.
Lifting gate latch.
Latch for adjustable back chairs. P. H. Mersinger. 2,494,348; Jan. 10.
Latch structure, Door. F. M. Lambert. 2,493,882; Jan. 10.
Lath, Tobacco. P. E. H. Droemer. 2,494,379; Jan. 10.
Lathe. J. J. Pesqueira. 2,494,196; Jan. 10.
Lawn edge cutter. H. Abrons. 2,494,223; Jan. 10.
Lead coating. J. Magnin. 2,493,768; Jan. 10.
Leader reel. W. M. Rengo. 2,494,106; Jan. 10.
Leg and catch for davenports, Combination. I. C. Poskin. 2,494,105; Jan. 10.
Leveling device for tile laying ditchers, Automatic. E. Steffen. 2,494,069; Jan. 10.
Lid, Oil box. C. A. Wright. 2,494,423; Jan. 10.
Lifesaving device. G. R. Bossetta. 2,493,853; Jan. 10.
Lifting gate latch. P. R. Ladd. 2,493,881; Jan. 10.
Lighter, Pyrophoric. H. C. H. Smyth. 2,494,211; Jan. 10.
Lighting fixture bracket. J. A. Buck. 2,494,428; Jan. 10.
Lighting unit. E. J. Ries and C. G. Maxson. 2,494,058; Jan. 10.
Line clamp. H. J. D. Wolff. 2,493,907; Jan. 10.
Liquid consumption device. J. R. Fish. 2,493,757; Jan. 10.
Liquid treating apparatus. H. E. Scarbrough and N. B. Jones. 2,494,361; Jan. 10.
Load equalizing for differential actuators. W. A. Anderson. 2,493,799; Jan. 10.
Location of faults in electrical transmission systems. M. C. Biskeborn. 2,493,800; Jan. 10.
Lock: *See*—
Camera shutter trigger lock.
Door lock.
Lock detector, Engine starter liquid. S. Gilbert. 2,494,385; Jan. 10.
Lock for collet tubes, Nut. J. D. Petsche. 2,493,926; Jan. 10.
Locking apparatus, Substation. H. F. Obergfell. 2,494,449; Jan. 10.
Looper. W. H. Mursch. 2,494,402; Jan. 10.
Lubricant composition. E. Lieber. 2,494,341; Jan. 10.
Lubricants, Extreme pressure. E. B. Cyphers. 2,494,332; Jan. 10.
Machine for cooking skewered foods. D. Nassif. 2,494,448; Jan. 10.
Machine for cutting sheet metal. A. I. K. Slettengren. 2,494,413; Jan. 10.
Machine for facilitating changes in arrangement of strips or cards on page card files. H. H. and M. J. Feldstein. 2,494,233; Jan 10
Machine for forming threaded openings. R. J. Thompson. 2,493,933; Jan. 10.
Machine for lead coating. J. Magnin. 2,493,769; Jan. 10.
Machine-tool transmission and control mechanism. F. A. Parsons. 2,493,828; Jan. 10.
Magnesium hydroxide, Producing. F. A. De Maestri. 2,493,762; Jan. 10.
Magnetic sadiron holder. R. A. C. Andrews. 2,493,846; Jan. 10.
Magnetometer. J. H. Rubenstein. 2,493,779; Jan. 10.
Manicuring device. H. B. Snider. 2,494,414; Jan. 10.
Match holder. M. I. Karp. 2,493,920; Jan. 10.
Mask, Protective. E. S. Reitano. 2,494,406; Jan. 10.
Measuring device, Distance. J. M. Brown. 2,493,912; Jan. 10.
Measuring device, Torque. D. J. Friedrich. 2,493,758; Jan. 10.
Merchandise dispenser. L. C. Klemm and W. E. King. 2,493,976; Jan. 10.
Merocyanine dyes. L. G. S. Brooker and G. H. Keyes. 2,493,748; Jan. 10.
Merocyanine dyes, Acid. L. G. S. Brooker and F. L. White. 2,493,747; Jan. 10.
Metal and making same, Composite resinous coated. C. H. Hempel. 2,494 297; Jan. 10.
Metallic frame. A. F. and A. M. Bock. 2,494,115; Jan. 10.
Meter: *See*—
True air speed meter.
Methylenedioxyphenyl compound as insecticide, insect repellent, and pyrethrin synergist. E. A. Prill. 2,493,927; Jan. 10.
Microphone, Stabilized feed-back condenser. W. R. Harry. 2,493,819, Jan. 10.
Microscope comprising magnetic focusing, Electron. J. B. Le Poole. 2,494,442, Jan. 10.
Mill: *See*—
Cane mill.
Mixer: *See*—
Portable power-driven mixer.
Mixing system, Signal. W. E. Bradley. 2,493,801, Jan. 10.
Mixing valve. G. J. Jurisich and W. M. Ferguson. 2,494,044, Jan. 10.
Modification of and shrinkproofing of wools with amines. G. C. Le Compte. 2,493,765, Jan. 10.
Mold and liner therefor, Centrifugal. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,494,405, Jan. 10.
Mold composition. B. W. Nies and E. W. Duffy. 2,494,403, Jan. 10.
Molding machine for manufacturing building blocks. J. O. Spriggs and F. Harris. 2,494,212, Jan. 10.
Molding machine, Injection. R. W. Dinzl. 2,493,805, Jan. 10.
Motor: *See*—
Outboard motor.
Small synchronous electric motor.
Spring motor.
Mount, Gun sight. E. L. Foster. 2,493,865. Jan. 10.
Mounting and moving means, Pressing head. O. H. Pearson. 2,493,997, Jan. 10.
Mounting for photoelectric cells. O. J. Holmes. 2,493,919, Jan. 10.
Mounting means for type cylinders. E. Buhler. 2,493,856, Jan. 10.
Mouthpiece, Saxophone. A. P. Dunn. 2,494,231, Jan. 10.
Multigrid tube amplifier circuit. A. M. Seybold. 2,494,317, Jan. 10.
Multiplaten press. L. A. Camerota. 2,494,162, Jan. 10.
Multistage method and apparatus for freezing comestibles. G. A. M. Anderson. 2,494,027, Jan. 10.
Nebulizer. J. C. Boss. 2,494,504, Jan. 10.
Network, Bridge. H. T. Wilhelm. 2,494,499, Jan. 10.
Neutralizing and completely removing salts before distilling crude high-boiling esters. A. W. Jefts. 2,494,133, Jan. 10.
Neutron counter, High-energy. C. E. Wiegan and E. G. Segre. 2,493,935, Jan. 10.
Nickel plating. R. H. Rogge and E. J. Roehl. 2,494,205, Jan. 10.
Nitro derivative of tertiary butyl ethyl anisole. T. F. Wood. 2,493,797, Jan. 10.
Noise-reducing pulse-echo locating equipment. J. E. Keister. 2,494,339, Jan. 10.
Nozzle, Overshot. W. E. Snowden and H. F. Raynor. 2,494,067, Jan. 10.
Office arrangement, Fringe. R. E. Hersey. 2,494,475, Jan. 10.
Optical objectives with two-part negative component having variable central air space of zero power. F. E. Altman. 2,494,025, Jan. 10.
Oscillator circuit. H. Klemperer. 2,494,046, Jan. 10.
Oscillator, Ring-mounted. R. M. Page, M. F. Distad, and L. V. Blake. 2,493,775, Jan. 10.
Outboard motor. H. P. Below. 2,494,158, Jan. 10.
Oven, Cooking. M. M. Weintrob and G. Gerety. 2,494,022, Jan. 10.
Package and making the same. O. H. Hultin. 2,494,177, Jan. 10.
Package with reinforced wrapper, Slide dispensing. G. A. Moore. 2,494,446, Jan. 10.
Paint and varnish. J. H. Wells and P. J. Wilson, Jr. 2,494,418, Jan. 10.
Pencil for writing on waxed paper, Heated. L. L. Simkins. 2,494,412, Jan. 10.
Pencil, Sectional. J. W. McPhee. 2,493,892, Jan. 10.
Permutation electric switch. W. L. Tate and A. A. Oakes. 2,494,015, Jan. 10.
Pessary. F. M. Bley. 2,494,226, Jan. 10.
Phasing apparatus. C. A. Meneley. 2,493,921, Jan. 10.
Phonograph record holder. F. Roth. 2,494,359, Jan. 10.
Phosphate esters and preparation, Organic. E. I. Hoegberg. 2,494,126, Jan. 10.
Phosphoric acid. R. Cross. 2,493,915, Jan. 10.
Photographic printing frame. J. T. Campbell. 2,494,282, Jan. 10.
Photographic relief image. R. P. Speck. 2,494,068, Jan. 10.
Photoprinting processes. B. F. Terry. 2,493,838, Jan. 10.
Pickup, Electrical. A. Johnson. 2,494,390, Jan. 10.
Pickup, Metallic film electrical. C. M. Wolfe. 2,494,109, Jan. 10.
Pickup, Phonograph. E. A. Gilbert. 2,494,438, Jan. 10.
Picture frame. P. B. Koller, Jr. 2,494,097, Jan. 10.
Pie-making machine. J. M. Goldstein. 2,494,236, Jan. 10.
Pin: *See*—
Fiber-reenforced bowling pin.
Safety pin.
Pipe: *See*—
Smoking pipe.
Pipe union. D. J. Parmesan. 2,493,996, Jan. 10.
Plant, Explosion gas turbine. F. A. Hill. 2,493,873, Jan. 10.
Plant, Portable mixing. H. C. Pollitz. 2,493,898, Jan. 10.
Plant, Portable washing. W. A. Erickson. 2,493,955, Jan. 10.
Plasticizing elastomers. J. R. Vincent. 2,493,843, Jan. 10.
Plate for corn shellers, Throat. L. W. Jones. 2,493,973, Jan. 10.
Plate for dry-shaving devices, Apertured cutting. W. L. L. Vivie. 2,494,463, Jan. 10.
Plow and mounting therefor, Vibrating. W. T. Graham. 2,493,811, Jan. 10.
Plug: *See*—
Air-cooled spark plug.
Electric extension cord plug.
Plug gauge. B. W. Forslund and A. H. R. C. Hoppe. 2,494,168, Jan. 10.
Plug retriever, Fisherman's. W. H. Stricker. 2,494,012, Jan. 10.

Polychloroprene and preparation thereof. H. H. Abernathy and G. W. Scott. 2,493,798, Jan. 10.
Polymerization of propylene in the presence of isobutane. E. C. Hughes and H. M. Stine. 2,494,510, Jan. 10.
Polymerization of styrene, Emulsion. J. W. Haefele. 2,493,905, Jan. 10.
Polymerization of vinyl chloride, Granular. M. Naps. 2,494,517, Jan. 10.
Polyphosphates, Manufacture of. A. D. Garrison. 2,493,809, Jan. 10.
Pontoon. C. A. Moeller. 2,494,445, Jan. 10.
Pontoon construction. W. J. Sanderson. 2,494,316, Jan. 10.
Portable hat holder. E. W. Pfeil. 2,494,487, Jan. 10.
Portable power-driven mixer. B. Essick. 2,494,119, Jan. 10.
Position fluder, Mechanical. G. Swift. 2,493,786, Jan. 10.
Powder box. J. L. Younghusband. 2,494,151, Jan. 10.
Powdered material, Handling. J. K. Gunther and P. Bradford. 2,494,296, Jan. 10.
Power take-off structure. R. W. Wagner. 2,494,111, Jan. 10.
Power transmission. A. Zwald. 2,494,222, Jan. 10.
Power transmission, Band. C. O. Siemmons. 2,494,065, Jan. 10.
Power transmission, Variable speed. L. J. Wolf. 2,494,466, Jan. 10.
Powered three-wheeled vehicle. T. G. Hare. 2,493,817, Jan. 10.
Press: *See*—
Multiplaten press. Printer's padding press.
Presser foot, Combined welt seam. J. Lang. 2,494,182, Jan. 10.
Pressure ribbon-type gas burner. L. D. Houlis. 2,494,243, Jan. 10.
Printer's padding press. N. Adelsohn and A. Calone. 2,494,424, Jan. 10.
Printing element for typewriter printing machines. A. Thomas. 2,494,014, Jan. 10.
Printing materials, Photolithographic. C. H. Mitson and E. E. Loening. 2,494,053, Jan. 10.
Printing or typewriting machine, Music. J. M. Parker. 2,494,192, Jan. 10.
Processing cherries preserved in sulfur dioxide lime brine. G. B. Nickol. 2,494,258, Jan. 10.
Projectile. N. Anderson. 2,494,026, Jan. 10.
Projector and printer, Combination. V. E. Pratt and G. F. Gray. 2,493,998, Jan. 10.
Propeller, Reversible. R. E. Bell. 2,494,028, Jan. 10.
Proportioning pull to specimen size, Means for. D. C. Scott. 2,494,836, Jan. 10.
Prosthesis. T. V. Larsson and S. H. Dahlbäck. 2,493,884, Jan. 10.
Protection rod spring. H. Hoeber. 2,493,821, Jan. 10.
Protective device, Overload. E. H. B. Martin. 2,494,346, Jan. 10.
Protector: *See*—
Finger safety protector. Saddle protector.
Pump: *See*—
Carburetor accelerating pump. Vacuum rupture operated pump.
Pump. H. E. Rittenhouse and S. E. Gilmore. 2,493,929, Jan. 10.
Pump mechanism, Chemical feed. L. R. Mannheim. 2,494,344, Jan. 10.
Purification of alkyl and substituted alkyl phosphates. E. P. Plueddemann. 2,494,310, Jan. 10.
Purification of phenols. H. G. Schneider, C. F. Van Gilder, and T. J. Peters, Jr. 2,493,781, Jan. 10.
Rack: *See*—
Collapsible floral rack. Tie rack.
Removable sorting rack.
Rack for vehicles, Apparel. E. W. Sturk. 2,494,318, Jan. 10.
Radiator vent valve. J. A. Gorton. 2,494,293, Jan. 10.
Radio apparatus, Stop-on-signal. E. F. Andrews. 2,493,741, Jan. 10.
Radio apparatus, Stop-on-signal. O. Glerwiatowski. 2,494,235, Jan. 10.
Radio object locating system. J. R. Moore. 2,493,774, Jan. 10.
Radio tuning control. E. S. Peterson. 2,494,486, Jan. 10.
Railway car jack. A. W. and M. A. Mandelko. 2,494,099, Jan. 10.
Rake, Self-cleaning. L. E. Bachman. 2,494,154, Jan. 10.
Receptacle carrier. V. W. McGuire. 2,494,303, Jan. 10.
Reckoning device. C. T. Walmsley. 2,493,792, Jan. 10.
Recovery of abietic acid. F. H. Gayer. 2,493,866, Jan. 10.
Recovery of abietic acid in the form of its quarter salt. F. H. Gayer. 2,493,867, Jan. 10.
Recovery of cherry juice or syrup from cherry brine. G. B. Nickol. 2,494,257, Jan. 10.
Recovery of furfural from furfural-polymer mixtures. C. T. Anné and R. F. Nelson. 2,494,325, Jan. 10.
Recovery of heat and SO_2 gas from relief gases and waste liquor, Automatically controlled. C. J. Lockman. 2,494,098, Jan. 10.
Reed for looms. V. C. Hassold. 2,494,123, Jan. 10.
Reel: *See*—
Cable reel. Leader reel.
Fishing reel. Sheet metal reel.
Reel for gasoline dispensers, Positive action. A. B. Steuart. 2,494,525, Jan. 10.
Refrigerated self-service display case. M. D. MacMaster and V. W. Smith. 2,494,481, Jan. 10.
Refrigerating and aging meat, Method and apparatus for. B. E. Williams. 2,494,024, Jan. 10.
Refrigerating means, including a plurality of fans and adjustable means for driving the same. E. F. Dickieson, Jr. 2,494,117, Jan. 10.
Refrigeration system and method, Expansion. B. J. Ferro, Jr. 2,494,120, Jan. 10.
Refrigerator, Multiple compartment. G. C. Foerstner. 2,493,958, Jan. 10.
Relay, Balance. W. H. Petersén. 2,494,308, Jan. 10.
Release device, Tire chain. M. B. Herbrick. 2,493,760, Jan. 10.
Removable sorting rack. G. A. Blondin. 2,494,030, Jan. 10.
Removing formaldehyde from a formaldehyde-glyoxal mixture, Selectively. H. E. Schofield. 2,494,060, Jan. 10.
Removing oxygenated organic compounds from hydrocarbons. E. F. Wadley. 2,494,371, Jan. 10.
Rhythmic cycle indicator. J. P. Fay. 2,494,291, Jan. 10.
Ring for reels, Rolling. F. R. Schaefer. 2,494,523, Jan. 10.
Rivet feed, Air gun. H. M. Griffin. 2,493,868, Jan. 10.
Roaster, Automatic. A. G. Thomas. 2,493,903, Jan. 10.
Rocking horse. M. W. Linder. 2,494,184, Jan. 10.
Rotary film holder. W. E. Tait and A. W. Stellpflug. 2,494,495, Jan. 10.
Rotary weed cutter. R. Turner and L. Howell. 2,494,271, Jan. 10.
Rotor support. I. I. Sikorsky. 2,494,209, Jan. 10.
Running-in internal-combustion engines. P. Mongitore. 2,494,102, Jan. 10.
Saddle protector. R. C. Persons. 2,494,519, Jan. 10.
Safe, Tabernacle. F. Danninger. 2,493,947, Jan. 10.
Safety device. L. Williams and E. J. Vosler. 2,494,498, Jan. 10.
Safety device for vehicle brakes. H. P. Sparkes. 2,494,269, Jan. 10.
Safety pin. B. Mezzadri. 2,493,988, Jan. 10.
Salt tablet dispenser. P. C. Perrin and W. J. Sharbaugh. 2,494,141, Jan. 10.
Salts of alkyl phenol sulfides and making same, Heavy metal. J. G. McNab and W. T. Watkins, Jr. 2,493,986, Jan. 10.
Salts of alkylated phenol sulfides, Aluminum. P. Miller and E. Lieber. 2,493,987, Jan. 10.
Salts of aromatic dithiocarboxylic acids as fungicides. P. T. Paul and J. B. Bjorn Skaptason. 2,494,355, Jan. 10.
Sanding block. T. L. Bonkowski. 2,493,852, Jan. 10.
Saw set. K. Blackmon. 2,493,850, Jan. 10.
Scale poise, Weighing. L. S. Williams. 2,494,150, Jan. 10.
Scarf, Stay-put adjustable. R. W. Loven. 2,494,250, Jan. 10.
Scorekeeper. H. D. Clarke. 2,494,330, Jan. 10.
Scraper. A. Soldani. 2,494,455, Jan. 10.
Scraper and ejector, Crumb. A. M. Young. 2,494,373, Jan. 10.
Scribing device, Typewriter line. F. Postma. 2,494,056, Jan. 10.
Sealing closure. C. P. Krupp. 2,494,249, Jan. 10.
Sealing compositions and making same. B. Gross. 2,494,336, Jan. 10.
Seat for automobiles, Portable auxiliary. W. L. Dumas. 2,493,806, Jan. 10.
Selector, Color. O. Vetterli. 2,494,072, Jan. 10.
Separation by adsorption. P. L. Brandt. 2,493,911, Jan. 10.
Severing device, Strand. C. D. Rinehart and M. Kocsuta. 2,494,490, Jan. 10.
Shaftless butterfly valve. C. A. Brown. 2,493,736, Jan. 10.
Shaver, Rotary dry. W. L. L. Vivie and A. van de Lee. 2,494,464, Jan. 10.
Sheet feeding mechanism. J. Magnusson. 2,494,186, Jan. 10.
Sheet metal open-hearth heater. H. H. Walters. 2,494,527, Jan. 10.
Sheet metal reel. F. R. Schaefer. 2,494,522, Jan. 10.
Sheets, Method and apparatus for making batt-covered. C. Hepner. 2,493,968, Jan. 10.
Shelf, Rolling. J. Wojakowski. 2,494,221, Jan. 10.
Shield, Lighter. F. A. Ward. 2,494,322, Jan. 10.
Shirt construction. M. D. Taylor. 2,494,496, Jan. 10.
Shock absorber. J. E. Fleming. 2,493,739, Jan. 10.
Shoe for blowtorch scarfing head. L. N. Herring. 2,493,820, Jan. 10.
Shoes, Making track. C. W. Sinclair. 2,494,108, Jan. 10.
Shorting system for radio coils. J. L. Bowden. 2,493,746, Jan. 10.
Shorts, Men's. T. Formichella. 2,494,169, Jan. 10.
Shower head. W. R. Thornton. 2,493,840, Jan. 10.
Signal receiving apparatus. E. H. Weber, Jr. 2,494,323, Jan. 10.
Signaling system, Vehicle speed and path. T. M. Ferrill, Jr. 2,493,755, Jan. 10.
Silica-alumina catalyst, Preparation of. W. A. Pardee and G. E. Elliott, Jr. 2,493,896, Jan. 10.
Simulating device for grounded aircraft pilot trainers, Power-plant. J. J. Lukacs. 2,494,479, Jan. 10.
Skimmer, Crucible. V. H. Todd. 2,494,270, Jan. 10.
Skinning machine and method. L. De Moss. 2,494,138, Jan. 10.

Slicing machine, Wood. W. S. Corey, A. B. and R. B. Watt. 2,493,914, Jan. 10.
Small synchronous electric motor. J. Riley. 2,493,999, Jan. 10.
Smoking pipe. T. W. Slutz. 2,494,268, Jan. 10.
Soap holder. W. Merry. 2,494,305, Jan. 10.
Soap, Producing toilet. J. K. O. H. Holmberg. 2,494,127, Jan. 10.
Socket, Electrical connector. J. M. Fetherolf, G. E. Forrest, and F. W. See. 2,493,756, Jan. 10.
Solder carrier finding. F. A. Ballou, Jr. 2,493,940, Jan. 10.
Sound absorption. C. Mannal. 2,494,343, Jan. 10.
Source transfer switch. R. N. Rowe. 2,494,313, Jan. 10.
Spectrophotometer apparatus having a rotating slotted wheel to decrease light intensity. H. E. Haynes. 2,494,440, Jan. 10.
Speed responsive switch. J. L. Petz and C. G. Balliett. 2,493,897, Jan. 10.
Spotlight, Automobile. R. Daon. 2,494,288, Jan. 10.
Spray head for fire sprinkler systems. F. J. Lee. 2,493,982, Jan. 10.
Spring: *See*—
Protection rod spring.
Spring motor. B. P. Middlestetter. 2,493,989, Jan. 10.
Spring shackle tool. H. A. Mearns and J. G. Nelson. 2,494,252, Jan. 10.
Springs and the like, Stringing. J. F. Campbell and H. E. Riggs. 2,494,227, Jan. 10.
Stabilization of fatty materials. H. C. Black. 2,494,114, Jan. 10.
Stabilizer with condenser modulator. L. L. Welsglass. 2,494,218, Jan. 10.
Stacking box handle. L. D. Best. 2,494,503, Jan. 10.
Stair layout tool. E. Van Winkle. 2,494,462, Jan. 10.
Stand and dressing table, Infant's folding bath. C. T. De Pay and W. C. Baxter. 2,494,164, Jan. 10.
Stand for bumper jacks, Collapsible. A. M. Kromer. 2,493,978, Jan. 10.
Starch degradation process. S. Neumann. 2,494,191, Jan. 10.
Steaming and pressing machine. B. G. Forman. 2,493,864, Jan. 10.
Steerable and full swiveling tail wheel. B. D. Maule. 2,494,482, Jan. 10.
Step, Retractable. F. I. Steele and J. M. Heath. 2,494,367, Jan. 10.
Stiffener, Shirt collar. C. A. Magney. 2,494,185, Jan. 10.
Stocking. H. R. Hinkley. 2,494,174, Jan. 10.
Stool, Exercising. W. G. Horstman. 2,494,094, Jan. 10.
Stool, Folding bathroom. M. S. Mumford and E. H. Cowles. 2,493,925, Jan. 10.
Stop for cameras, Focusing control. B. A. Golkoski. 2,494,237, Jan. 10.
Stove. R. Scoville. 2,494,061, Jan. 10.
Straightening pull-threads in nylon hose. R. D. Hutchison. 2,493,876, Jan. 10.
Strand twisting device. A. C. Nystrom and W. J. Voickhausen. 2,493,825, Jan. 10.
Stretching machine, Pelt. J. J. Mowad. 2,493,924, Jan. 10.
Strip for doors, Weather. A. R. Kinish. 2,494,247, Jan. 10.
Striping tool. W. A. Bihary. 2,494,160, Jan. 10.
Structure for doors, Handle retaining. F. M. Lambert. 2,493,980, Jan. 10.
Styryl dyes. L. G. S. Brooker and F. L. White. 2,494,032, Jan. 10.
Submerged resistor induction furnace. L. W. Bahney and A. H. Horswell. 2,494,501, Jan. 10.
Support: *See*—
Book support. Trailer mounted boat support.
Rotor support.
Support for the firing control mechanism of a marine mine, Resilient. J. D. Turlay. 2,493,788, Jan. 10.
Support for toilet paper, Fixture. C. O. Coon. 2,494,376, Jan. 10.
Surface control system. C. Schultz. 2,494,208, Jan. 10.
Surface hardening of ferrous metals. H. I. Schlesinger and G. W. Schaeffer. 2,494,267, Jan. 10.
Surgery, Bone. J. G. Collison. 2,494,229, Jan. 10.
Suture and method, Surgical. J. O. Bower. 2,493,943, Jan. 10.
Switch: *See*—
Centrifugal switch. Source transfer switch.
Circuit control switch. Speed responsive switch.
Permutation electric switch. Trolley frog switch.
Switch assembly, Fluid operated. H. M. Sylvester and E. I. Rusk. 2,494,213, Jan. 10.
Switch unit, Electric. R. N. Rowe. 2,494,315, Jan. 10.
Switch with snap action, Electric. R. N. Rowe. 2,494,314, Jan. 10.
Synchronizer and shock absorber, Drill motion. G. R. Watson. 2,494,020, Jan. 10.
Synthetic fibers, Continuous production of. B. Borzykowski. 2,494,468, Jan. 10.
System for railroads, Crossover protection. S. W. Freeman. 2,494,435, Jan. 10.
Table: *See*—
Adjustable rotary table.
Tabulator with program controls, Alphabet printing. F. M. Carroll and A. F. Smith. 2,493,858, Jan. 10.
Tappet, Mechanical silent. C. L. Stancliff. 2,493,783, Jan. 10.
Target, Reversible. A. W. Smith. 2,494,210, Jan. 10.
Teaching manual skills. C. H. Robertson. 2,494,000, Jan. 10.
Telegraphic apparatus of the starting-stopping type. J. Estoup. 2,494,232, Jan. 10.
Telemetering system with identical band-pass filters, Multichannel. K. D. Swartzel and C. L. Frederick. 2,494,370, Jan. 10.
Telemetry system. C. A. E. Beurtheret. 2,494,327, Jan. 10.
Telephone unit, Combination receiver-transmitter. A. N. Epstein. 2,493,954, Jan. 10.
Temperature control device. J. H. Lewis. 2,494,299, Jan. 10.
Tenderizing machine, Meat. C. O. Marshall, Jr., and M. C. Yeasting. 2,494,136, Jan. 10.
Tent, Sectional hospital. W. R. Brown, R. E. Lushbaugh, and J. W. Cull. 2,493,749, Jan. 10.
Testing slide fastener. C. F. Schwarz. 2,493,782, Jan. 10.
Testing unit, Leak. W. H. Hendricks. 2,493,967, Jan. 10.
Textile apparatus. B. G. B. Slocombe and S. M. Fulton. 2,493,902, Jan. 10.
Thermal hydrogenolysis of fluorocarbons to produce fluorocarbon hydrides. J. H. Simons, W. H. Pearlson, and W. R. James. 2,494,064, Jan. 10.
Thimble, Thread-cutting. E. D. Gorka and M. B. Gideon. 2,494,439, Jan. 10.
Threader, Sewing machine needle. W. S. Lyle. 2,494,444, Jan. 10.
3,11-diketo-17,20-dihydroxy-pregnanes and process. L. H. Sarett. 2,493,780, Jan. 10.
Throttle, Flexible trigger. C. E. Fitch. 2,493,957, Jan. 10.
Tie rack. W. G. Williams. 2,493,936, Jan. 10.
Tightener, Belt. S. D. Russell. 2,494,360, Jan. 10.
Tightener, Clothesline. D. G. Chandler. 2,494,085, Jan. 10.
Tile attached by tape, Wall covering. R. C. Beck. 2,494,157, Jan. 10.
Tile handling and cutoff mechanism. E. Dear. 2,494,037, Jan. 10.
Timer, Electronic. T. K. Riggen. 2,494,520, Jan. 10.
Timer, Electronic interval. E. E. Moyer and J. S. Quill. 2,494,352, Jan. 10.
Timing apparatus, Sequence. C. W. Thomas and C. E. Smith. 2,493,839, Jan. 10.
Tire carrier. H. E. Simi. 2,494,411, Jan. 10.
Titanium dioxide, Production of rutile. L. E. Ross and C. A. Tanner, Jr. 2,494,492, Jan. 10.
Toilet paper roll holder. S. J. Miller. 2,493,893, Jan. 10.
Tool: *See*—
Combined tool. Spring shackle tool.
Electromagnetic fishing tool. Stair layout tool.
Fluid control and by-pass tool. Striping tool.
Tool to check centrality and alignment of keyways in shafts. W. W. Ablett. 2,494,152, Jan. 10.
Toolholder, Light equipped. J. P. Williams. 2,493,796, Jan. 10.
Totalizator. R. E. Wells. 2,494,419, Jan. 10.
Towing device. G. Tungett, T. R. Helms, and O. Morris. 2,494,526, Jan. 10.
Toy, Educational. M. F. Booth. 2,494,469, Jan. 10.
Toy vehicle. R. Parke. 2,494,354, Jan. 10.
Track, Self-laying. C. O. Siemmons. 2,494,066, Jan. 10.
Trailer. H. G. Nixon. 2,494,404, Jan. 10.
Trailer, Automotive. D. R. Wittke. 2,494,421, Jan. 10.
Trailer for semitrailer type vehicles, Dump. L. F. De Saussure. 2,494,472, Jan. 10.
Trailer mounted boat support. R. H. Stiller. 2,494,110, Jan. 10.
Transducer holder. W. S. Erwin. 2,494,433, Jan. 10.
Transfer apparatus for loading conveyers. J. R. Frederick. 2,493,807, Jan. 10.
Transformer, Differential. H. Schaevitz. 2,494,493, Jan. 10.
Transmission and control mechanism for machine tools. F. A. Parsons. 2,493,827, Jan. 10.
Transmitter, Telegraphic measuring. P. Pellé. 2,494,194, Jan. 10.
Tray, Ice. D. L. Jocelyn. 2,494,043, Jan. 10.
Tray type liquid fuel burner. H. I. Platt and C. P. Thomas. 2,494,104, Jan. 10.
Treating and testing cores used in coaxial cable units, Method of and apparatus for. E. Bertalan and E. U. Rice. 2,494,029, Jan. 10.
Treating emulsions, Process and apparatus for. C. G. Kirkbride and T. A. Burtis. 2,494,392, Jan. 10.
Trisazo dyestuffs. O. Kaiser. 2,493,975, Jan. 10.
Trolley frog approach end. F. H. Richterkessing. 2,494,311, Jan. 10.
Trolley frog switch. F. H. Richterkessing. 2,494,409, Jan. 10.
Trouser hanger. E. T. McNutt, Jr. 2,494,400, Jan. 10.
Truck, Dump. A. L. Cresci. 2,494,377, Jan. 10.
Truck, Industrial hand. G. C. Noros. 2,493,824, Jan. 10.
Truck, Self-loading. J. F. Goodman. 2,494,171, Jan. 10.
Truck, Stabilized load-lifting power-actuated. C. S. Bouchard. 2,494,505, Jan. 10.
Truck with boom, Fork lift. R. Bucksath. 2,493,750, Jan. 10.

True air speed meter. M. E. Smaby. 2,493,931, Jan. 10.
Tube testing circuit. D. E. Sunstein. 2,494,369, Jan. 10.
Tubular air heating furnace. S. R. Whitaker. 2,494,113, Jan. 10.
Tuning device, Radio. B. A. Schwarz, H. M. Stelzl and M. G. Wright. 2,494,008, Jan. 10.
Tuning means. B. A. Schwarz and L. J. Fichter. 2,494,007, Jan. 10.
Tuning means, Electronically controlled. A. G. Tynan and J. E. Guyton. 2,494,017, Jan. 10.
Turbine, Axial flow elastic fluid. D. J. Bloomberg. 2,494,328, Jan. 10.
Turner, Mechanical page. F. Reck. 2,494,453, Jan. 10.
2-(benzenesulfonamido)-tetrahydrobenzothiazoles. J. M. Sprague. 2,494,524, Jan. 10.
2-cyanopyridines, Preparation of. I. M. Robinson and G. J. Janz. 2,494,204, Jan. 10.
Two-cycle internal-combustion engine. J. Josif. 2,493,974, Jan. 10.
Undergarment construction. F. C. Owenby. 2,494,261, Jan. 10.
Unloading device. P. Penberthy. 2,494,103, Jan. 10.
Utensil and method, Cooking. A. C. Scavullo. 2,494,266, Jan. 10.
Utensil, Cooking. A. Lindzy. 2,493,983, Jan. 10.
Utensil, Retractable polypointed writing. H. M. Rem. 2,494,202, Jan 10.
Utilizing acid sludge. J. H. Wells and P. J. Wilson, Jr. 2,494,420, Jan. 10.
Vacuum rupture operated pump. A. M. Wirtanen. 2,494,529, Jan. 10.
Valve: *See*—
Condensation drain valve.
Flow valve.
Gas meter valve.
Hydraulic reversing check valve.
Radiator vent valve.
Shaftless butterfly valve.
Vulnerability valve.
Valve assembly. E. C. Hartley. 2,493,966, Jan. 10.
Valve closing device, Magnetically operated safety. W. S. Landon. 2,494,395, Jan. 10.
Valve construction. C. I. Cederholm. 2,494,228, Jan. 10.
Valve with adjustable shutoff control, Air. F. M. Littell. 2,494,396, Jan. 10.
Vane construction, Pump entry. R. R. Curtis. 2,494,086, Jan. 10.
Vegetation cutter. C. L. Roberts. 2,494,263, Jan. 10.
Vehicle: *See*—
Powered three-wheeled vehicle.
Toy vehicle.
Vehicle body, Telescopic. E. T. J. Tapp. 2,494,013, Jan. 10.
Vehicle for passenger transport. L. H. Baghuis. 2,494,081, Jan. 10.
Vending machine. J. M. Devens. 2,493,753, Jan. 10.
Vending machine. C. G. Ewerts. 2,493,956, Jan. 10.
Vent, Air. F. Duran. 2,493,861, Jan. 10.
Ventilating apparatus for dynamoelectric machines. E. M. Claytor. 2,494,471, Jan. 10.
Vertically extensible projection television receiver cabinet. R. J. Shaw. 2,494,364, Jan. 10.
Viewer, Simulated panorama. C. S. Manning. 2,493,770, Jan. 10.
Viscous solutions, Processing. H. G. Reed and J. K. Beasley. 2,494,143, Jan. 10.
Vulnerability valve. H. W. Wishart. 2,493,906, Jan. 10.
Warning device, Speed. J. L. McKnight. 2,493,985, Jan. 10.
Washer and extractor, Combined clothes. A. H. Gerhardt. 2,494,436, Jan. 10.
Washing machine, Disappearing wringer. G. M. Gibson. 2,493,916, Jan. 10.
Waterproofing mineral wool. J. H. Zettel. 2,493,845, Jan. 10.
Wave guide with phase compensating paired bends. W. A. Tyrrell. 2,493,842, Jan. 10.
Wearing apparel. H. S. Greenblatt and J. Cohen. 2,493,813, Jan. 10.
Welding apparatus, High-frequency inductive. W. G. Dow, H. C. Early and H. J. Gomberg. 2,493,950, Jan. 10.
Welding method employing electrical energy storage means, Resistance. H. Klemperer. 2,493,762, Jan. 10.
Wheel: *See*—
Steerable and full swivel-ing tail wheel.
Wheel balancer. T. H. Henry. 2,493,872, Jan. 10.
Wheel cover. G. A. Lyon. 2,493,767, Jan. 10.
Wheel suspension for trailer boats. R. E. Restall. 2,494,144, Jan. 10.
Wheelbarrow, Folding. A. and A. T. Provitola. 2,494,199, Jan. 10.
Wick for oil burners. A. M. Goodloe. 2,493,961, Jan. 10.
Winder, Automatic level hose. E. F. Russ. 2,494,003, Jan. 10.
Window construction. D. D. Blackman. 2,494,161, Jan. 10.
Window shade material and making same, Fire-resistant opaque. C. C. Johnson and R. E. Thomas. 2,494,391, Jan. 10.
Window structure, Ventilator type. L. A. Meyers. 2,494,189, Jan. 10.
Wiper mechanism. H. E. Rice, Jr. 2,494,408, Jan. 10.
Wire terminals, Attaching. R. Martines. 2,494,137, Jan. 10.
Wrecking bar. P. Townill. 2,494,214, Jan. 10.
Wrench having manually-closed spring-opened pivoted-jaws. J. Donahue. 2,493,949, Jan. 10.
Zinc smelting. C. W. Morrison. 2,493,823, Jan. 10.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 10, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business Dec. 30, 1949

Total number of patent applications awaiting action, 141,023. Date of oldest new application, January 30, 1948; date of oldest amended application, December 1, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Appeals and Interferences awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	2-14-49	5-11-48	2665
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3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	7-1-49	7-8-49	745
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	9-17-48	12-1-47	2826
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	4-1-49	5-28-48	1509
6. SURLE, H., Carbon Chemistry (part)	4-22-49	2-4-49	1512
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	4-21-49	4-7-49	1247
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-21-48	2-20-48	2889
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-6-48	4-13-48	2315
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-15-49	1-3-49	1319
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	1-5-49	5-18-48	2028
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-24-49	3-18-48	1761
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	4-15-48	5-18-48	1840
14. MANIAN, JOSEPH C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery	3-17-49	12-15-48	1214
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-6-49	11-12-48	1684
16. LOVEWELL, N. N., Television; Telephony	4-1-49	10-19-48	1151
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	8-14-48	1-7-48	2304
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	11-13-48	4-30-48	2609
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-27-49	8-2-48	1502
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	1-11-49	4-12-48	1962
21. MADER, R. C., Textiles	10-1-48	9-9-48	1458
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	7-6-48	5-19-48	1313
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-1-49	10-4-48	909
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	2-2-49	2-1-49	2540
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-4-49	9-2-48	1668
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	4-2-49	3-2-49	998
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-3-48	1-5-48	3180
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-1-49	8-2-48	1875
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	3-27-48	4-2-48	3115
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	5-2-49	5-2-49	1792
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-16-49	4-20-49	2063
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-31-49	11-22-48	1769
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	7-28-48	4-20-48	4017
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	1-6-49	9-3-48	1173
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	11-20-48	1-7-48	2264
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	2-10-48	1-30-48	1957
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-29-49	8-12-48	1139
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	2-9-49	1-13-49	1504
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	4-1-49	1-9-48	3030
40. DRUMMOND, E. J., Receptacles (part); Packages	3-26-49	7-2-48	3301
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-22-49	2-16-48	2138
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	9-18-48	6-22-48	2228
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers.	3-17-49	2-15-49	1025
44. HARVEY, L. P., Beds; Chairs, Seats	6-18-48	2-9-48	2128
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	3-18-49	7-27-48	2396
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-26-48	6-9-48	1583

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 141,023. Date of oldest new application, January 30, 1948; date of oldest amended application, December 1, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-1-49	10-2-48	2089
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	4-2-49	7-7-48	1382
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	9-24-48	5-19-48	2161
50. LEVIN, SAMUEL, Synthetic Resins	5-5-49	3-1-49	1838
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-2-49	1-4-49	1402
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	10-16-48	3-28-48	3698
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	1-17-49	8-2-48	1776
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-12-49	11-6-48	1192
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	4-2-49	1-4-49	1579
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	4-2-49	1-5-49	1946
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	2-3-49	4-29-48	1962
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	12-31-48	5-21-48	1776
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-11-49	12-6-48	1213
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-29-49	11-26-48	1047
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	1-30-48	2-18-48	2561
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-22-49	6-4-48	2613
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	1-28-49	1-4-49	2043
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-9-49	5-25-49	1582
65. GLEICHMAN, W. C. (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	4-6-49	7-23-48	2101
66. LISANN, I., Geometrical Instruments	1-6-49	1-22-48	1713
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-1-49	11-2-48	1676
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-13-49	2-23-49	1316
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	4-2-49	4-6-48	2080
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-14-49	10-29-48	2072
DESIGNS: BREHM, G. L.	5-15-48	5-31-49	5008

Total number of trade-mark applications awaiting action (including renewals and republications), 27,382. Date of oldest new application, Dec. 1, 1948; date of oldest amended application, Nov. 12, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	1-2-49	1-7-49	4880
2. KASCHUB, H. E., Class 46	1-13-49	1-5-49	3881
3. SUMMERS, G. S., Classes 21, 23, 26	1-3-49	7-5-49	3300
4. BARR, E., Classes 3, 7, 20, 40, 41, 42, 43	12-1-48	11-12-48	4496
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	1-3-49	1-3-49	3441
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	1-26-49	3-31-49	3778
7. KEYS, O. M., Classes 2, 16, 19, 36, 55	1-7-49	1-2-49	2959
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-1-49	11-15-49	361
	11-8-49	11-15-49	286

NOTICES

Action Following Ex Parte Appeal to the Court of Customs and Patent Appeals

1. *Purpose of Notice.* This notice sets forth the present position of the Office concerning the status of an application following ex parte appeal to the Court of Customs and Patent Appeals. Any prior decisions or instructions of the Commissioner inconsistent with this Notice are overruled from the date hereof.

2. *Certificate of the Court.* After hearing the case the Court returns to the Office "a certificate of its proceedings and decision, which shall be entered of record in the Patent Office, and shall govern the further proceedings in the case." (R. S. 4914; 35 U. S. C. 62.) The receipt of this certificate by the Office marks the conclusion of the appeal.

3. *All claims rejected.* If all claims in the case stand rejected, proceedings on the application are considered terminated on the date of receipt of the Court's certificate and the application is not open to subsequent amendment and prosecution by the applicant. The application is no longer considered pending.

4. *Some claims allowed.* If some claims in the case stand allowed, either by reversal of the Office decision by the Court or by having been allowed by the Examiner or the Board of Appeals, proceedings are considered terminated as to the rejected claims. Action by the applicant canceling the rejected claims is not considered necessary. The Examiner will pass the case for issue forthwith on the allowed claims, the applicant being advised of such action. The rejected claims may be canceled by the Examiner with an appropriate notation on the margin, to avoid confusion of the printer. However, if formal matters remain to be attended to, the Examiner should take appropriate action on such matters, setting a shortened period for reply, but the application is considered closed to further prosecution except as to such matters.

If all claims in the case stand allowed after the Court's decision formal matters if any should be taken care of and the case passed for issue.

5. *Remand.* If the decision of the Court is such that it brings certain claims up for action on the merits, such as a decision reversing a requirement for division or a decision allowing generic claims in a case containing claims to non-elected species not previously acted upon, the Examiner will take the case up for appropriate action on the matters thus brought up, but the case is not considered open to further prosecution except as to such matters.

6. *Dismissal of appeal.* If the appeal is dismissed by the Court, the status of the application will be the same as in paragraph 3 if no claim stands allowed. If claims stand allowed action will be taken by the Examiner as in paragraph 4.

7. *Special status of application.* After termination of the appeal to the Court the application, in those cases in which action by the Examiner is in order (paragraphs 4 and 5), will be taken up for such action immediately, and the application will be special for any subsequent action by the Examiner.

JOHN A. MARZALL,
Commissioner of Patents.

Jan. 4, 1950.

Failure to File Brief on Appeal Before the Board of Appeals

Paragraph numbered 4 of the notice of September 8, 1948, "Withdrawal or Dismissal of Appeal" relates to appeals governed by the old rules. With respect to appeals governed by the new rules, the following practice is to be followed hereafter in cases in which the applicant fails to file a brief within the time prescribed by Rule 192.

If no brief is filed within the time prescribed by Rule 192, the appeal stands dismissed by operation of the rule. The letter from the Board of Appeals notifying the appellant that the appeal stands dismissed is not an action in the case and does not start any period for reply.

If no claims stand allowed the application is considered as abandoned on the date the brief was due. No notification of the applicant that the application is abandoned is necessary.

If claims stand allowed in the application, the failure to file a brief and consequent dismissal of the appeal is to be treated as a withdrawal of the appeal and of any claim not standing allowed. The application should be passed to issue forthwith when the file is received from the Board of Appeals, the applicant being advised of the cancellation of the claims that do not stand allowed. However, if formal matters remain to be attended to, the Examiner should take appropriate action on such matters, setting a shortened period for reply, but the application is to be considered closed to further prosecution except as to such matters.

The time for filing the brief set forth in Rule 192 can be extended only by the Commissioner. Any petition for such extension must be received before the date the brief is due and must show good cause for the extension. If the time for filing the brief has passed and the application has consequently become abandoned, the applicant may petition to revive the application, as in other cases of abandonment, and to reinstate the appeal; if the application is not abandoned the petition would be to reinstate the claims and the appeal, but a showing equivalent to that in the petition to revive would be required. Such petitions will ordinarily be handled by the Solicitor and Law Examiners on behalf of the Commissioner.

JOHN A. MARZALL,
Commissioner of Patents.

Jan. 3, 1950.

Disclaimers

2,384,505.—*Charles L. Thomas* and *Vladimir Haensel*, Chicago, Ill. TREATMENT OF HYDROCARBONS. Patent dated Sept. 11, 1945. Disclaimer filed Dec. 7, 1949, by the assignee, *Universal Oil Products Company.*

Hereby enters this disclaimer to claim 1 of said patent.

2,432,571.—*Andrew V. Haeff*, Washington, D. C. ELECTRON DISCHARGE DEVICE EMPLOYING RESONATORS. Patent dated Dec. 16, 1947. Disclaimer filed Dec. 17, 1949, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claim 5 of said patent.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

2,470,746.—*Harold B. Schultz*, South Bend, Ind. VALVE. Patent dated May 17, 1949. Disclaimer filed Dec. 19, 1949, by the assignee, *Bendix Aviation Corporation*.

Hereby enters this disclaimer to claims 1 to 5 of said patent.

Cancellation Notices

Graeff Miller, his assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the petition of John C. Miller, 110 W. 18th St., New York, N. Y., to effect the cancellation of trade-mark registration of Graeff Miller, No. 292,466, dated March 15, 1932. The assignment records of this Office show a transfer of title to this registration to Margaret Dupre, Inc., 35 W. 53rd St., New York, N. Y., which has been substituted for said Graeff Miller to defend the registration concerned. The notice of such proceeding sent by registered mail to said Margaret Dupre, Inc., at its address of record, 35 W. 53rd St., New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said Graeff Miller, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Dec. 15, 1949. *Assistant Commissioner of Patents.*

Martha Washington Ice Cream Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by La Reine Chocolate Company, 601 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Martha Washington Ice Cream Corporation, 12–16 Willow St., Bloomfield, N. J., No. 442,738, dated May 24, 1949, and the notice of such proceeding sent by registered mail to the said Martha Washington Ice Cream Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Martha Washington Ice Cream Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Dec. 15, 1949. *Assistant Commissioner of Patents.*

California Wine Products Corporation, its assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the petition of De La Salle Institute, Napa, Calif., to effect the cancellation of trade-mark registration of California Wine Products Corporation, No. 362,830, dated November 29, 1938. The assignment records of this Office show a transfer of title to this registration to Ernest Aguirre, 1819 Broadway, New York, N. Y., who has been substituted for said California Wine Products Corporation to defend the registration concerned. The notice of such proceeding sent by registered mail to said Ernest Aguirre, at his address of record, 1819 Broadway, New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said California Wine Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,481,872. COMBUSTION ENGINE. Patented Sept. 13, 1949. Two-stroke cycle engine comprises a cylinder with closed ends containing a work piston and a free piston, with the pistons connected for both relative and unitary movement. The free piston is freely movable between the work piston and one end of the cylinder to alternately form a combustion chamber between itself and the cylinder end, and between itself and the work piston. Fuel charges admitted into one end of the cylinder are allowed to pass alternately into the combustion chambers through separate fuel passages controlled by flap valves. One passage extends longitudinally through the work piston. The other passage is disposed alongside the cylinder with its ends communicating with opposite ends of the cylinder. Modification is shown. (Owner) Fernando G. Prieto, 409 South Bixel St., Los Angeles 13, Calif. Group 35—19. Reg. No. 33,322.

Pat. 2,480,796. SEMIAUTOMATIC WOVEN WIRE CLAMP. Patented Aug. 30, 1949. Device may be quickly clamped to a woven wire fence, and pull exerted on it to stretch fence. It consists of a pair of clamp bars carrying latching means to quickly clamp the bars together to grip all horisontal strands of fence. The gripping faces of the bars are rendered more effective by forming them with a cooperating tongue and groove extending from end to end. After the bars are clamped to fence, a draft chain is detachably secured to the bars by training the chain over a pulley on one bar and securing its end to an anchor plate on the other bar. When pull (from any suitable power source) is exerted on the chain to stretch fence, the chain will also apply force to urge the bars into tighter clamping relation. (Owner) Gustavious Custer Ward, Sugar Grove, N. C. Group 35—22. Reg. No. 33,323.

Pat. 2,478,751. DRAFTING APPLIANCE. Patented Aug. 9, 1949. This patent is primarily concerned with the provision of attachments for interconnecting T-squares, guides, and other parts of a perspectograph. Essentially, interconnecting parts of the perspectograph are provided with two sets of complementary cooperating guide pins and slots so arranged that the vertical edge of the pin is in line with the marginal edge of the pieces being interconnected. This permits either side of any ruler to be selected as a working edge, only simple manipulation being required to shift from one working edge of the ruler to the other. (Owner) Theodore A. De Postels, 644 Riverside Drive, New York 31, N. Y. Group 39—11. Reg. No. 33,324.

Pat. 2,175,947. PUMP. Patented Oct. 10, 1939. Double-acting pump for wells, etc., has two discharge pipes, one reciprocating within the other, and each provided with a separate discharge spout. An extension on the lower end of the outer pipe forms a pumping chamber having a by-pass. A pumping piston is secured to the lower end of the inner pipe. On down stroke of piston, fluid from the chamber is forced through the by-pass, outer pipe, and its spout. At the same time, fluid from the by-pass is drawn into the cylinder above the piston, so that on up stroke of piston, the trapped fluid above the piston will be forced out of the inner pipe and its spout. Modification shown. (Owner) Mrs. Hazel Teeple, 611 Fairview Ave., Muscatine, Iowa. Group 35—61. Reg. No. 33,325.

Pat. 2,052,988. GOLF STROKE PRACTICE DEVICE. Patented Sept. 1, 1936. Golf practice device is designed to indicate the distance and direction of a driven ball. A cylinder, containing a piston and piston rod surrounded by a compression spring, is connected by a universal joint to a base plate to be anchored to the ground. A practice ball is connected to a length of cord secured to outer end of piston rod. Suitable scales are provided across the top of base plate and along the cylinder with a pointer slidably mounted in a long slot in cylinder. When the ball is driven, the piston will advance pointer to indicate distance of drive. If ball is hooked or sliced, the cylinder will angularly shift accordingly to indicate the degree of the hook or slice. (Owner) Bryant S. Procter, 107 North Maple St., Hartford, Mich. Group 39—49. Reg. No. 33,326.

Pat. 2,262,298. GOLF CLUB BUGGY. Patented Nov. 11, 1941. Reg. No. 33,327.

Pat. 2,426,853. GOLF CART. Patented Oct. 14, 1947. Reg. No. 33,328.

These two patents relate to two-wheel golf club carts or buggies equipped with a removable bag or removable club carrier to hold clubs in upright position with the heads extending downwardly. (Owner) Bryant S. Procter, 107 North Maple St., Hartford, Mich. Group 39—49.

In Pat. 2,262,298 a short leather bag resting in a pan-shaped platform of cart is partitioned into individual pockets to receive the heads only of clubs. A pair of cross bars adjustably secured to opposite sides of the frame of the cart at different heights carry rubber clip means for engaging the upper ends of the shafts of clubs. An apron carrying a shoulder strap may be secured to the cross bars and bag, so that the cross bars, apron, and bag may be removed as a unit and carried.

In Pat. 2,426,853 a bag removably secured to cart is divided by upright partitions into a series of individual pockets for receiving the clubs with the heads extending downwardly and the upper ends of the shafts exposed. Upper end of bag is of restricted diameter and shaped to provide flaring mouths for the pockets. An endless fabric band extending around the frame of cart and rear upper end of the bag tends to cause the clubs in one group of pockets to more or less counterbalance those in the other group when the cart is in inclined position.

Pat. 2,476,003. COMBINED TRAILER HITCH AND BRAKE CONTROL MEANS. Patented July 12, 1949. Detachable trailer hitch for passenger cars, light trucks, etc., operated by the backlash between towing vehicle and trailer to automatically control trailer brakes. A spring-controlled piston in cylinder slidably projects through sleeve at end of cylinder. Oppositely disposed studs project through piston, the free ends connected by a bar. In use, the projecting end of piston is connected to bumper of towing vehicle and the flanges on cylinder head are bolted to drawbar of trailer. (Owner) Loyal R. Symmonds, 2979 Weldon Ave., Fresno, Calif. Group 38—31. Reg. No. 33,329.

General Electric Company will grant non-exclusive licenses under the following patents on reasonable terms. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 1,904,124. STROBOSCOPE. Patented Apr. 18, 1933. Stroboscope consists of a D. C. source of supply across which a voltage divider is connected. A portion of the divider is intersected by a reactor and capacitor in series. A grid, regulated by a photoelectric tube and amplifier controls a vapor discharge device connected across the capacitor. Group 36—19. Reg. No. 33,330.

Pat. 2,363,133. SUPERVISION OF ELECTRIC SYSTEMS. Patented Nov. 24, 1942. An out-of-step protective system in which, as soon as a dynamo-electric machine slips the first pole during an out-of-step condition, tripping a circuit breaker, it is unnecessary to wait for a cumulative action means to operate as in prior devices. Group 36—19. Reg. No. 33,331.

Pat. 1,921,763. DRAFT CONTROL APPARATUS FOR FURNACES. Patented Aug. 8, 1933. The escape of heated air from the open end of an enameling furnace is reduced by an air-circulating mechanism (suction box including a pump) which has an interconnected intake and outlet arranged substantially opposite the open end. This creates an air current across the open end toward the intake, which reduces the heat loss and results in greater regularity in the operation of furnace. Groups 33—62; 36—19. Reg. No. 33,332.

Pat. 2,222,871. LIGHTING CONTROL SYSTEM. Patented Nov. 26, 1940. This patent is especially applicable for controlling scenic effects for theater lighting. Circuit includes a number of individual units of different colors, each separately presclected as to energization and intensity. All units, however, may be dimmed or brightened by a master control switch to produce many shades of the same color, or color mixtures. Group 36—19. Reg. No. 33,333.

Pat. 2,046,990. ELECTRICAL DISTRIBUTION SYSTEM. Patented July 7, 1936. Circulating currents are minimized by applying corrective voltages to the main control voltage responsive devices of voltage regulating equipment for network supply circuits. The corrective voltages are substantially proportional in magnitude to the supply circuit currents and of proper relation to equalize voltages applied to the network. Group 36—19. Reg. No. 33,334.

Pat. 1,974,976. METHOD OF AND ARRANGEMENT FOR REGULATING EVAPORATORS AND LIKE APPARATUS, PARTICULARLY IN CONNECTION WITH ELASTIC FLUID TURBINE PLANTS. Patented Sept. 25, 1934. Valve and bellows arrangement for controlling and regulating evaporator supply and discharge conduits so that the operating process may be stabilized. Group 36—19. Reg. No. 33,335.

Pat. 1,992,829. RECTIFYING DEVICE. Patented Feb. 26, 1935. Direct current is converted into alternating current by connecting a pair of rectifiers in series and joining the wire connecting the rectifiers to ground by means of a high ohmic resistance. Group 36—19. Reg. No. 33,336.

Pat. 2,114,847. ELECTRIC VALVE CONVERTING SYSTEM. Patented Apr. 19, 1938. Electric valve converting system for transmitting energy between direct and alternating current circuits which will indicate conditions under which the operation of the converter is to be reversed, or to avoid needless reversal. Group 36—19. Reg. No. 33,337.

Pat. 2,144,549. METHOD AND MEANS FOR STARTING SYNCHRONOUS MOTORS. Patented Jan. 17, 1939. A synchronous motor is pulled into step with a greater shaft load than would be obtainable otherwise by application of direct current excitation. Group 36—19. Reg. No. 33,338.

Pat. 2,192,761. MULTIPLEX PHOTOCELL TELEMETERING. Patented Mar. 5, 1940. A supervisory system in which synchronization and phase relation of impulses at transmitting or receiving stations may be observed, checked, or corrected, and in which lack of phase coincidence causes automatic shutdown or restoration of phase coincidence. Group 36—19. Reg. No. 33,339.

Pat. 2,206,701. RECTIFIER CIRCUITS. Patented July 2, 1940. Apparatus for production of rectified current from alternating current, particularly for power purposes so that a leading or unity power factor can be produced on an alternating current circuit instead of a lagging power factor as is usually the case. Group 36—19. Reg. No. 33,340.

Pat. 2,368,567. GOVERNING MECHANISM. Patented Jan. 30, 1945. Mechanism for load-limiting and load-setting devices whereby a prime mover may be set and maintained constant within a predetermined range of speed change or similar condition. Group 36—19. Reg. No. 33,341.

Pat. 2,481,993. ELECTRONIC GAUGE. Patented Sept. 13, 1949. An electronic gauge for automatically interrupting the operation of a machine on a work piece when a dimension of the work piece has been reduced to a predetermined size. Gauge has a concentric line having spaced inner and outer conductors, with its characteristic impedance connected across the conductors. A rod inserted in space between the conductors creates voltage standing waves therein. A lever pivoted on a fixed support is connected to the rod and has a roller at end to rest on surface of work piece. As the rod closely approaches inner conductor, the voltage standing waves rapidly increase as rod movement increases. A probe extends into conductor and picks up the standing wave voltage and feeds it to a detector which converts standing wave voltage into direct current voltage. (Owner) William H. Fuss, Klemme, Iowa. Group 36—19. Reg. No. 33,342.

Pat. 2,477,001. V DISK. Patented July 26, 1949. A combined disking and scraping machine for cleaning irrigation ditches. Side blades at the front and rear of machine are connected by a raised beam under which a disking device is positioned. This permits the device to be adjusted to alter the angle of cut. Other features of the machine are a guard which prevents machine from being inverted and a handle by which machine may be retained on its side when being turned at the end of a ditch. (Owner) Frank Pacheco, Jr., Route 7, Box 94, Bakersfield, Calif. Group 35—22—31. Reg. No. 33,343.

Pat. 2,442,255. EYE EXERCISER. Patented May 25, 1948. Eye exerciser includes a vertical support mounted on a base, with a series of inner and a series of outer spaced pulleys arranged in a circle with an endless belt trained thereon. Electric motor mounted on rear of base has a shaft extending through wall of support to which a pulley is attached. The belt may be crossed between the drive pulley and a pair of idlers when it is desired to drive the belt in the reverse direction. Belt has a conspicuous spot on which to keep the eyes focused as it is moved in various directions. (Owner) Samuel W. Womack, Quanah, Tex. Groups 36—92; 39—13. Reg. No. 33,344.

The following 20 patents are offered for licensing by the owner, Robert Van Sickler, Munsey Building, 1329 E St., N. W., Washington 4, D. C.

The patents relate, broadly, to various units for use in connection with metered parcel post machines to print prepaid stamps, although not limited thereto, since their general application to other types of business machines may be readily appreciated. When used with metered parcel post machines, prepaid stamps of different selected denominations, from one-half cent up, may be printed on gummed paper strips and the cut moistened stamps delivered from the machine, or the stamps may be printed directly onto envelopes, cards, etc., as they are fed to the machines. Some of the metering units permit a slight overdraft when printing the last stamp, when the unused postage indicated in the meter is less than the denomination of the stamp to be printed. Group 35—55—71—79.

Pat. 1,917,511. KEYBOARD LOCK. Patented July 11, 1933. Reg. No. 33,345.

Pat. 1,944,964. RIBBON FEED. Patented Jan. 30, 1934. Reg. No. 33,346.

Pat. 1,944,994. CLUTCHING DEVICE. Patented Jan. 30, 1934. Reg. No. 33,347.

Pat. 1,958,925. PROGRESSIVE RELEASE LOCK. Patented May 15, 1934. Reg. No. 33,348.

Pat. 1,963,205. PAPER FEED FOR PARCEL POST MACHINES. Patented June 19, 1934. Reg. No. 33,349.

Pat. 1,972,163. INTERMITTENT GRIP DEVICE. Patented Sept. 4, 1934. Reg. No. 33,350.

Pat. 1,987,742. KEYBOARD CLUTCH. Patented Jan. 15, 1935. Reg. No. 33,351.

Pat. 1,988,625. METER CONTROLLED LOCK. Patented Jan. 22, 1935. Reg. No. 33,352.

Pat. 2,003,218. ADJUSTABLE PRINTING MECHANISM. Patented May 28, 1935. Reg. No. 33,353.

Pat. 2,003,219. DATING DEVICE. Patented May 28, 1935. Reg. No. 33,354.

Pat. 2,003,220. TYPE-SETTING DEVICE. Patented May 28, 1935. Reg. No. 33,355.

Pat. 2,003,736. MOISTENER. Patented June 4, 1935. Reg. No. 33,356.

Pat. 2,023,927. PARCEL POST SCALE. Patented Dec. 10, 1935. Reg. No. 33,357.

Pat. 2,035,715. OVERTHROW MECHANISM. Patented Mar. 31, 1936. Reg. No. 33,358.

Pat. 2,036,538. PARCEL POST WEIGHING AND STAMP PRINTING MACHINE. Patented Apr. 7, 1936. Reg. No. 33,359.

Pat. 2,044,754. AUTOMATIC KEYBOARD. Patented June 16, 1936. Reg. No. 33,360.

Pat. 2,044,755. MULTIDENOMINATIONAL STAMP PRINTING AND VALUE METERING MACHINE. Patented June 16, 1936. Reg. No. 33,361.

Pat. 2,044,756. ZERO-SETTING DEVICE. Patented June 16, 1936. Reg. No. 33,362.

Pat. 2,045,543. CONTROL DRIVE FOR PARCEL POST MACHINES. Patented June 23, 1936. Reg. No. 33,363.

Pat. 2,303,793. PARCEL POSTAGE CALCULATING, PRINTING, AND METERING MACHINE. Patented Dec. 1, 1942. Reg. No. 33,364.

Government Owned Patents

The following two patents are owned by the United States as represented by the Secretary of the Interior by virtue of assignments from the inventors, Milton Orchin (Pat. 2,478,205) and Ferber R. Schleif (Pat. 2,480,881). Non-exclusive and royalty-free licenses are available.

Inquiries concerning the patents should be addressed to The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,478,205. SYNTHESIS OF PERYLENE. Patented Aug. 9, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) 1,1'-dinaphthyl diluted with hydrogen is passed through a cylindrical catalyst bed of palladium-carbon maintained at a temperature between 480–500° C. A mixture of 1,1'-dinaphthyl and perylene is formed. The mixture is dissolved in hot bensene and condensed. After the solution is cooled, precipitated crystalline perylene may be separated by filtration. Group 28—89. Reg. No. 33,365.

Pat. 2,480,881. APPARATUS FOR ADJUSTING CAPACITOR POTENTIAL DEVICES. Patented Sept. 6, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A quick and convenient method of adjusting capacitor potential devices without interrupting the delivery of power. Essentially, an artificially produced reference voltage is balanced against the output voltage of the device being adjusted. Since the operation is a null balance process, no additional burden is placed on the device; thus adjustment made under full burden remains correct even after the adjusting circuit is disconnected. Group 36—19. Reg. No. 33,366.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 17, 1950

[VOL. 630, No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 524,436. AMERICAN CONCRETE RECEPTACLE CO., Detroit, Mich. Filed June 19, 1947.

GUARDIAN

FOR BURIAL VAULTS.
Claims use since Feb. 1, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 524,637. TILO ROOFING COMPANY, INC., Stratford, Conn. Filed June 21, 1947.

TILOTEX

FOR SHINGLES, SIDINGS, AND SHEETS, NORMALLY MADE OF CEMENT-ASBESTOS MATERIALS, FOR USE IN BUILDING CONSTRUCTIONS AND REPAIRS THEREOF.
Claims use since July 30, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 506,806. FAST BITE, INC., Hazel Park, Mich. Filed Aug. 3, 1946.

Fast Bite

FOR FISH BAIT IN PASTE FORM.
Claims use since June 3, 1946.

Ser. No. 526,183. AMERICAN PLASTIC PRODUCTS, Los Angeles, Calif. Filed July 4, 1947.

UKE-a-tune

The word "Uke" is disclaimed apart from the mark as shown.
FOR TOY PLASTIC UKELELES.
Claims use since Apr. 28, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 518,541. STARRETT D. LUCAS, Duboistown, Pa. Filed Mar. 5, 1947.

NANGRA

FOR PILLOWS, MATTRESSES, AND CUSHIONS.
Claims use since Feb. 24, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 499,458. ACE PATCH COMPANY, INC., Dallas, Tex., assignor, by mesne assignments, to Ace Rubber Company, Dallas, Tex., a corporation of Delaware. Filed Apr. 2, 1946.



The drawing is lined for red. Any representation of the goods is disclaimed apart from the mark as shown.
FOR SELF-CONTAINED VULCANIZING UNITS, SUCH AS VULCANIZING PATCHES OR HOT PATCHES FOR RUBBER ARTICLES SUCH AS PNEUMATIC TUBES OR THE LIKE.
Claims use since Jan. 15, 1946.

CLASS 39

CLOTHING

Ser. No. 495,456. JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Jan. 26, 1946.

HOLIDAY

FOR LADIES' GLOVES MADE OF FABRIC.
Claims use since Jan. 16, 1946.

Ser. No. 500,746. ISAAC EPSTEIN, doing business as Clover Garment Co., New York, N. Y. Filed Apr. 23, 1946.



The notation "5 Ft. 5 In. Or Under" and the word "Garment" are disclaimed apart from the mark as shown.
FOR LADIES' COATS AND SUITS.
Claims use since Aug. 24, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 523,061. PEIRCE AND CUTLER, Los Angeles, Calif. Filed May 26, 1947.

MODERNTEX
Rugs

The word "Rugs" is disclaimed.
FOR TEXTILE, LOOP-PILED RUGS.
Claims use since Sept. 1, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 517,484. STEPHEN JANIK, doing business as The Johnnie Ryan Company, Niagara Falls, N. Y. Filed Feb. 14, 1947.



The figure is fanciful. The drawing is lined for shading only.
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME.
Claims use since Dec. 18, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,460. NORTHFIELD CHEESE CORP., New York, N. Y. Filed Apr. 28, 1947.

STARFIELD

FOR PROCESS CHEESE.
Claims use since Feb. 19, 1947.

Ser. No. 522,703. DONALD A. BATTISTE, doing business as Bat-O-Lite Company, Philadelphia, Pa. Filed May 20, 1947.

Flava-Tex

The word "Flava" is disclaimed.
FOR COMPOUND SOLD IN BULK TO COMMERCIAL AND INDUSTRIAL BAKERS FOR USE AS A REPLACEMENT FOR SHORTENING AND FOR IMPROVING THE FLAVOR AND QUALITY OF BAKED PRODUCTS, AND WHICH CONTAINS EMULSIFIED MONOSTEARATE, CREAMERY BUTTER, BUTTER OILS, VEGETABLE SHORTENING, FOOD FLAVORS, SODIUM BENZOATE, AND A MOLD PREVENTIVE.
Claims use Jan. 1, 1944.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 539,199. THE NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md. Filed Oct. 27, 1947.

NEVAMAR
High-Pressure
LAMINATES

The words "High-Pressure Laminates" are disclaimed apart from the mark as shown. The words "High-Pressure" are lined for the color orange.
FOR PLASTIC LAMINATED SHEETS AND PANELS AND COMPOSITE LAMINATED SHEETS AND PANELS OF THERMOSETTING PLASTICS AND FIBROUS MATERIALS.
Claims use since Sept. 4, 1947.

Ser. No. 566,640. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Oct. 7, 1948.

LUTREX

FOR SYNTHETIC RESINS IN THE FORM OF POWDERS, GRANULES, EMULSIONS, SOLUTIONS, AND OTHER FORMS FOR USE IN THE INDUSTRIAL ARTS AND FURTHER MANUFACTURE.
Claims use since July 14, 1948.

CLASS 2

RECEPTACLES

Ser. No. 537,156. ALBERT H. CLIME, North Abington, Mass. Filed Oct. 8, 1947.

WICKIE

FOR CONTAINERS FOR PERFUME OR THE LIKE MADE OF ANODIZED ALUMINUM AND SOLD EMPTY.
Claims use since Sept. 23, 1947.

Ser. No. 551,212. FLORENCE M. WATENPUHL, doing business as The Hos-Re-Kare Co., Milwaukee, Wis. Filed Mar. 4, 1948.

SI-RA-NY

FOR HOSIERY ENVELOPES TO BE SOLD EMPTY.
Claims use since Mar. 15, 1947.

Ser. No. 552,413. BAND-IT COMPANY, Denver, Colo. Filed Mar. 19, 1948.

BAND-IT CLAMP WAREHOUSE

The word "Clamp" is disclaimed.
FOR RECEPTACLES IN THE FORM OF METAL UTILITY BOXES AND PRIMARILY ADAPTED TO CONTAIN INDUSTRIAL PRESSURE CLAMPS, PARTS THEREOF, AND TOOLS FOR APPLYING THE SAME, SUCH RECEPTACLES BEING SOLD EMPTY.
Claims use since Aug. 3, 1945.

Ser. No. 563,159. THE CROMWELL PAPER COMPANY, Chicago, Ill. Filed Aug. 11, 1948.

CROM-PAX

The word "Pax" is disclaimed. Applicant claims ownership of Registrations Nos. 416,306 and 366,398.
FOR GARMENT AND BLANKET BAGS, MATTRESS BAGS, FURNITURE BAGS, SILVERWARE BAGS, AND BAGS OF EVERY DESCRIPTION, MADE OF PAPER, GLASSINE, METAL FOIL, CELLULOSE WADDING, AND TEXTILES.
Claims use since 1935.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 556,597. THE PRESENTATION LINE, New York, N. Y. Filed May 8, 1948.



FOR SECRETARY-STYLE WALLETS, WITH GOLD PEN AND PAD, WALLETS AND BILLFOLDS ALL MADE OF LEATHER.
Claims use since Apr. 17, 1947.

Ser. No. 559,742. STANLEY SUPPLY CO., INC., New York, N. Y. Filed June 19, 1948.

STANLEY NUVIEN

The name "Stanley Nuvien" is fanciful.
FOR NURSES' PROFESSIONAL HANDBAG.
Claims use since January 1948.

Ser. No. 569,747. DIAMOND LEATHERCRAFT CO. INC., New York, N. Y. Filed Dec. 2, 1948.

Flight-Pak

The use of the word "Pak" is disclaimed apart from the mark as shown.
FOR LUGGAGE—NAMELY, TWO SUITERS, ONE SUITERS, OVERNIGHTERS, COMPANION CASES, HAT CASES, SHOE CASES, TRAIN CASES, AND DRESS CARRIER CASES, COVERED IN NYLON AND/OR LEATHER.
Claims use since Mar. 8, 1948.

Ser. No. 572,238. CHIC BAG CO., INC., New York, N. Y. Filed Jan. 15, 1949. (Sec. 2f.)

Chic BAG

The right to the exclusive use of the word "Bag" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 205,923 and 217,211.
FOR LADIES' HANDBAGS AND PURSES.
Claims use since Jan. 2, 1919.

Ser. No. 572,449. IDA RAZ-AMMANN, Thun, Switzerland. Filed Jan. 19, 1949.

MORDAX

Applicant claims ownership of Swiss Registration No. 89,419, dated Nov. 24, 1936.
FOR NON-SKID STUDS OR DEVICES IN PARTICULAR FOR HORSESHOES.

Ser. No. 576,939. SEYMOUR TROY, New York, N. Y. Filed Apr. 11, 1949.

Troylings

FOR LADIES' HANDBAGS.
Claims use since Feb. 3, 1948.

Ser. No. 577,110. AMELIA EARHART LUGGAGE, Newark, N. J. Filed Apr. 14, 1949.

TRAVELCOLOR

FOR LUGGAGE—NAMELY, SUIT CASES, HANDBAGS, HAND TRUNKS, STEAMER TRUNKS, AND WARDROBE TRUNKS.
Claims use since February 1949.

Ser. No. 577,317. DOFAN HANDBAG CO., INC., New York, N. Y. Filed Apr. 18, 1949.

HOBO

FOR LADIES' HANDBAGS.
Claims use since Mar. 1, 1948.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 530,609. WHEELER, REYNOLDS & STAUFFER, San Francisco, Calif. Filed Aug. 5, 1947. (Sec. 2f.)

"ACTIVATED"

Applicant claims ownership of Registration No. 233,702.
FOR CARBON BISULPHIDE.
Claims use since July 5, 1926.

Ser. No. 542,668. SCHWARZ LABORATORIES, INC., New York, N. Y. Filed Nov. 28, 1947. (Sec. 2f.)

Schwarz

FOR ADENINE, Feb. 21, 1945; ADENINE HYDROCHLORIDE, July 5, 1945; ADENINE SULPHATE, Jan. 10, 1945; ADENOSINE, June 7, 1946; ADENYLIC ACID, June 8, 1944; COZYMASE, Mar. 23, 1946; CLUTATHIONE, Aug. 2, 1940; GUANINE, Apr. 30, 1945; GUANINE HYDROCHLORIDE, June 16, 1945; GUANINE SULPHATE, Sept. 21, 1945; GUANOSINE, Apr. 30, 1945; GUANYLIC ACID, Apr. 30, 1945; BARIUM HEXOSE DI-PHOSPHATE, Apr. 15, 1942; CALCIUM HEXOSE DI-PHOSPHATE, Feb. 6, 1942; MAGNESIUM HEXOSE DI-PHOSPHATE, Mar. 31, 1943; HYPOXANTHINE, May 1, 1945; NAPHTHORESORCINOL, Oct. 2, 1941; NUCLEIC ACID, Mar. 3, 1941; MAGNESIUM NUCLEATE, May 28, 1946; SODIUM NUCLEATE, June 3, 1941; SILVER NUCLEATE, May 2, 1946; SOLUBLE ENZYME REAGENT, Sept. 17, 1941; d-RIBOSE, Dec. 16, 1942; l-SORBOSE, Dec. 5, 1944; 5-METHYL THIOURACIL, Apr. 1, 1947; THYMINE, Apr. 3, 1946; 6-METHYL THIOURACIL, Apr. 22, 1947; URACIL, Apr. 30, 1945; XANTHINE, Feb. 21, 1945; INOSINE, Mar. 18, 1947; XANTHOSINE, Apr. 1, 1947; SODIUM-RIBO-NUCLEOTIDES, Aug. 27, 1945; THYMO-NUCLEIC ACID, Sept. 26, 1945; RIBO NUCLEIC ACID, Sept. 30, 1946; IRON PYRIMIDINE NUCLEOTIDES, Feb. 7, 1947.
Claims use since dates following the particular items.

Ser. No. 554,143. O-CEDAR OF CANADA LIMITED, Toronto, Ontario, Canada. Filed July 30, 1948.

ODOWAY

Applicant claims ownership of Canadian Registration No. 77, Folio No. 20,202, dated Mar. 7, 1945.
FOR ROOM DEODORANTS IN POWDER, PASTE, AND CREAM FORM.
Claims use since Dec. 11, 1944, in Canada.

Ser. No. 557,786. UNITED INTERNATIONAL RESEARCH, INC., Newark, N. J. Filed May 25, 1948. (Classified in Class 52.)

UIR

The trade-mark is usually printed with the lightning bolt and the flame shown in red and the letters "UIR" shown in blue.
FOR SHAMPOOS, EMULSIFYING AGENTS, DYE STUFFS.
Claims use since Spring of 1942.

Ser. No. 558,114. HUGO ERICKSON, doing business under the name and style of Alumnite Products Company, Chicago, Ill. Filed May 29, 1948.

ALUMNITE

FOR PROCESSED ALUMINUM PRODUCT IN TABLET FORM ADAPTED TO BE DISPERSED IN THE WATER OF AN AUTOMOBILE RADIATOR TO SEAL MINOR LEAKS.
Claims use since Jan. 3, 1936.

Ser. No. 563,959. WESTVACO CHEMICAL CORPORATION, New York, N. Y., now by merger to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed Aug. 24, 1948.

REMOSIL

Applicant claims ownership of Registration No. 382,132.
FOR MAGNESIUM COMPOUNDS, IN PARTICULAR MAGNESIUM OXIDE.
Claims use since Apr. 10, 1940.

Ser. No. 564,103. FLORASYNTH LABORATORIES INCORPORATED, New York, N. Y. Filed Aug. 25, 1948.

CITROSYNTH

FOR ODOR PREPARATION USED IN MANUFACTURE OF PERFUMES, DISINFECTANTS, INSECTICIDES.
Claims use since July 13, 1945.

Ser. No. 567,634. HAAS-MILLER CORPORATION, Philadelphia, Pa. Filed Oct. 26, 1948.

SCUMVOID

FOR WATER CORRECTING CHEMICAL TO REDUCE HARDNESS IN WATER.
Claims use since Sept. 21, 1948.

Ser. No. 567,822. WHITE ROCK SUPPLY COMPANY, Dallas, Tex. Filed Oct. 28, 1948.

WHITE ROCK

FOR AUTOMOTIVE ANTI-FREEZE PREPARATIONS.
Claims use since Jan. 15, 1948.

Ser. No. 568,206. NAAMLOOZE VENOOTSCHAP W. A. SCHOLTEN'S CHEMISCHE FABRIEKEN, Groningen, Netherlands. Filed Nov. 4, 1948.

EMOCITHINE

Applicant claims ownership of Dutch Registration No. 90,079, dated Oct. 9, 1947.
FOR EMULSIFYING AGENTS.

Ser. No. 569,470. PARADOX ANTI-FREEZE, INC., Des Moines, Iowa. Filed Nov. 26, 1948.

PARADOX

FOR ANTI-FREEZE SOLUTION.
Claims use since Sept. 2, 1947.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 547,144. PANAMA-BEAVER, INC., Chicago, Ill. Filed Jan. 15, 1948.

Applicant claims ownership of Registration No. 129,658.
FOR CARBON PAPER AND INKED RIBBONS.
Claims use since Mar. 1, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 538,320. SPRAYO-FLAKE COMPANY, Chicago, Ill. Filed Oct. 18, 1947. (Sec. 2f.)

Spray-Acoustic

FOR ACOUSTICAL INSULATION, SOLD IN THE FORM OF COMMINUTED CELLULOSIC FIBROUS MA-

TERIALS SUCH AS PAPER, PARTICLES OF GRAINS, LEAVES, STALKS, HUSKS, ASBESTOS, AND GLASS WOOL.
Claims use since 1931.

Ser. No. 539,458. STOPALL WATERPROOFING MANUFACTURERS, INC., Kalamazoo, Mich. Filed Oct. 29, 1947.



FOR WATERPROOFING MATERIAL OF A LIQUID NATURE WHICH, WHEN BRUSHED OR SPRAYED ON MASONRY, PENETRATES THEREINTO, BECOMING PART OF THE SAME AND BEING COMPLETELY INVISIBLE AFTER APPLICATION.
Claims use since Nov. 1, 1946.

Ser. No. 555,586. THE ALLAN CORPORATION, Trenton, N. J. Filed Apr. 26, 1948.

CHINC

FOR SHEET METAL ROOFING, SIDING, AND FLASHING IN ROLLS, SHEETS, AND STRIPS AND WATER-DRAINAGE ACCESSORIES—NAMELY, GUTTERS, DOWNSPOUTS, AND ELBOWS USED IN THE BUILDING AND CONSTRUCTION INDUSTRIES.
Claims use since Jan. 15, 1948.

Ser. No. 555,935. THE PERMA PRODUCTS COMPANY, Cleveland, Ohio. Filed Apr. 30, 1948.

PERMA KRAFT

The word "Kraft" is disclaimed.
FOR REINFORCED PAPER USED AS A BUILDING PAPER FOR SHEATHING, AS A CURING PAPER FOR CONCRETE, AS A LINER FOR TEMPORARY SILOS, AND FOR TARPAULINS FOR TEMPORARY COVERS.
Claims use since March 1947.

Ser. No. 566,924. THE EAGLE-PICHER COMPANY, Cincinnati, Ohio. Filed Oct. 13, 1948.

EAGLE-PICHER

Applicant claims ownership of Registration No. 437,266.
FOR INSULATION MATERIAL IN BLOCK FORM MADE FROM DIATOMACEOUS EARTH AND A BINDER.
Claims use since Sept. 16, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 521,945. UNITED SCREW AND BOLT CORPORATION, Chicago, Ill. Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Jan. 9, 1948. (Sec. 2f.)

CLUTCH HEAD

FOR MACHINE SCREWS, WOOD SCREWS, TAPPING SCREWS, AND PIPE PLUGS.
Claims use since April 1932.

Ser. No. 534,900. HENRY LINDSAY LIMITED, Bradford, England. Filed Sept. 18, 1947.

LINDICLIP

Applicant claims ownership of British Registration No. B. 640,855, dated Oct. 12, 1945.
FOR METAL CLIPS FOR ATTACHMENT TO GIRDERS FROM WHICH ARTICLES ARE SUSPENDED.

Ser. No. 537,003. CENTRAL DISTRIBUTORS CO., Tyrone, Pa. Filed Oct. 7, 1947.

Janitizer

FOR DEODORANT AND DISINFECTANT DISPENSING MACHINE FOR USE IN COMMODES.
Claims use since May 2, 1947.

Ser. No. 548,521. JULIANA H. PRATHER, Dayton, Ohio. Filed Jan. 31, 1948.

SPIRETTE

FOR SPIRAL METAL HOLDERS FOR PLANT VINES.
Claims use since Nov. 1, 1947.

Ser. No. 554,177. TUBE TURNS, INC., Louisville, Ky. Filed Apr. 8, 1948.

tt

FOR PIPE AND PIPE FITTINGS — NAMELY, FLANGES, BENT PIPE, RETURNS, ELBOWS, T's, REDUCERS, CAPS, LATERALS, CROSSES, SADDLES, SLEEVES, NIPPLES, WELDING RINGS, AND LOCK JOINT STUB ENDS.
Claims use since June 1946.

Ser. No. 554,347. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill. Filed Apr. 12, 1948.



Applicant claims ownership of Registration No. 381,468.
FOR CABINET HARDWARE—NAMELY, DOOR AND DRAWER PULLS AND KNOBS, DOOR CATCHES AND HINGES, WINDOW SASH LOCKS AND FINGER GRIPS.
Claims use since May 1940.

Ser. No. 554,353. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill. Filed Apr. 12, 1948.

Velva-Grip

Applicant disclaims any exclusive right to the word "Grip" apart from the mark as shown.
FOR CABINET HARDWARE — NAMELY, DOOR CATCHES.
Claims use since Apr. 13, 1941.

Ser. No. 555,472. ADLER MANUFACTURING CO., Chicago, Ill. Filed Apr. 24, 1948.

RELDAWARE

The word "Ware" is disclaimed.
FOR POTS, PANS, PLATTERS, GRIDDLES, ROASTERS, AND SKILLETS, BEING COOKING UTENSILS MADE OF CAST ALUMINUM, CAST IRON, AND OTHER CAST METAL.
Claims use since Mar. 26, 1948.

Ser. No. 556,599. RAYNOR MANUFACTURING COMPANY, Dixon, Ill. Filed May 8, 1948.

GRADUATED Seal

FOR HINGES.
Claims use since Feb. 11, 1948.

Ser. No. 571,008. BRECO MANUFACTURING CO., Baltimore, Md. Filed Dec. 23, 1948.

PUSHOMATIC

FOR PIPE AND HOSE COUPLINGS.
Claims use since Nov. 20, 1948.

Ser. No. 574,608. CALUMET AND HECLA CONSOLIDATED COPPER COMPANY, Calumet, Mich. Filed Feb. 28, 1949.

CAPILATOR

FOR METAL TUBING.
Claims use since Jan. 10, 1949.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 566,890. RIFE-LOTH CORPORATION, Waynesboro, Va. Filed Oct. 12, 1948.



FOR CASTINGS OF GRAY IRON, BRASS, BRONZE, AND ALUMINUM.
Claims use since Mar. 1, 1940.

Ser. No. 571,212. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Dec. 28, 1948.

DYNAVAR

FOR ALLOY, USED IN THE MANUFACTURE OF HIGH TEMPERATURE COIL AND LEAF SPRINGS, DIAPHRAGMS, CLICK SPRINGS, RAZOR BLADES, PEN POINTS, FISH HOOKS, AND PARTICULARLY FOR MAINSPRINGS FOR WATCHES.
Claims use since Dec. 22, 1948.

CLASS 15

OILS AND GREASES

Ser. No. 558,771. ASHLAND OIL & REFINING COMPANY, Ashland, Ky. Filed June 9, 1948.

Ashland PERMATREAT

Applicant claims ownership of Registration No. 431,784.
FOR COAL SPRAY OIL.
Claims use since July 1947.

Ser. No. 558,772. ASHLAND OIL & REFINING COMPANY, Ashland, Ky. Filed June 9, 1948.

Ashland

PENN

No claim is made to the word "Penn," apart from the mark as a whole.
FOR MOTOR OIL.
Claims use since Feb. 13, 1947.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 532,149. METROPOLITAN CIGAR CORPORATION, Chicago, Ill. Filed Aug. 22, 1947. (Sec. 2f.)

GARCIA MARTINE

The name "Garcia Martine" is fanciful.
FOR CIGARS.
Claims use since Nov. 26, 1918.

Ser. No. 553,060. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Mar. 26, 1948.

PIPE
CUTTY TOBACCO SMOKING

No claim is made to the words "Pipe" and "Smoking Tobacco" nor to the representations of the pipe apart from the mark.
FOR SMOKING TOBACCO.
Claims use since Aug. 1, 1890.

Ser. No. 556,862. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed May 12, 1948.

CAPSTAN

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since Aug. 3, 1888.

Ser. No. 565,595. J. C. WINTER & CO., INC., Red Lion, Pa. Filed Sept. 21, 1948.

HAPPY JIM



The portrait displayed is fanciful.
FOR CHEWING TOBACCO.
Claims use since June 17, 1935.

Ser. No. 571,029. LARUS & BROTHER COMPANY, INC., Richmond, Va. Filed Dec. 23, 1948.

OLD BAY

FOR TOBACCO AND TOBACCO PRODUCTS—NAMELY, SMOKING TOBACCO.
Claims use since March 1933.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 553,877. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Apr. 5, 1948.

DURACILLIN IN OIL

No property right is claimed in the words "In Oil" and applicant disclaims any right to said portion of the trade-mark, apart from the mark as shown. Applicant claims ownership of Registration No. 417,551.
FOR MEDICINAL PREPARATION OF PROCAINE PENICILLIN-G IN OIL USED IN THE TREATMENT OF BACTERIAL INFECTIONS.
Claims use since Feb. 11, 1948.

Ser. No. 559,497. CALMIC LIMITED, Crewe, Cheshire, England. Filed June 17, 1948.

ORASULES

Applicant claims ownership of British Registration No. 644,518, dated Feb. 5, 1946.
FOR VACCINES.

Ser. No. 566,704. CUTTER LABORATORIES, Berkeley, Calif. Filed Oct. 11, 1948.

PETROCILLIN

FOR CRYSTALLINE POTASSIUM PENICILLIN IN A PETROLATUM BASE FOR UDDER INSTILLATION OF CATTLE ONLY IN THE TREATMENT OF MASTITIS.
Claims use since Aug. 11, 1948.

Ser. No. 568,084. WINTHROP-STEARNS INC., New York, N. Y. Filed Nov. 2, 1948.

'Glossets'

FOR TABLETS FOR SUBLINGUAL ADMINISTRATION OF ANTIASTHMATIC PREPARATIONS.
Claims use since Oct. 8, 1948.

Ser. No. 571,061. RALPH N. TAKAKI, doing business as Takaki Sanyo-Do, Honolulu, Territory of Hawaii. Filed Dec. 23, 1948.

MANKINKO PLASTER

The word "Plaster" is disclaimed. The Japanese word "Mankinko" being the equivalent of the English words "Ten Thousand Carat Rub."
FOR MEDICALLY IMPREGNATED PLASTER FOR TEMPORARILY RELIEVING DISCOMFORTS OF SUPERFICIAL ACHES AND PAINS DUE TO STRAIN OR EXERTION.
Claims use since September 1935.

Ser. No. 575,996. LOUIS LEIBOWITZ, doing business as Mantone Medicine Company, Baltimore, Md. Filed Mar. 24, 1949.

MANTONE

Applicant claims ownership of Registration No. 441,629.
FOR ENERGY TONIC.
Claims use since Feb. 1, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 521,986. FAIRMONT RAILWAY MOTORS, INCORPORATED, Fairmont, Minn. Original filed, act of 1905, May 6, 1947; amended to application under act of 1946, Principal Register, Sept. 21, 1948.

FAIRMONT WEATHER SEALD

The words "Weather Seald" are disclaimed apart from the mark.
FOR IGNITION TIMERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Feb. 1, 1947.

Ser. No. 544,496. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Sept. 13, 1947. (Sec. 2f.)

LAP-TITE

Applicant claims ownership of Registration No. 339,271.
FOR ELECTRICAL CONNECTORS.
Claims use since July 16, 1935.

Ser. No. 546,095. GOODMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 3, 1948. (Sec. 2f.)

MANCHA'S ELECTRIC MULE

The expression "Electric Mule" is disclaimed. Applicant claims ownership of Registration No. 180,469.
FOR STORAGE-BATTERY LOCOMOTIVES FOR USE IN MINES.
Claims use since April 1917.

Ser. No. 546,968. DETREX CORPORATION, Detroit, Mich. Filed Jan. 14, 1948.

DETREX

FOR ELECTRIC MOTORS, ELECTRIC HEATING AND DRYING OVENS FOR INDUSTRIAL USE IN EVAPORATING SOLVENTS FROM MANUFACTURED PARTS AND FOR BAKING PAINTS AND RESINOUS COATINGS ON MANUFACTURED PARTS, ELECTRICALLY AGITATED AND HEATED STORAGE TANKS FOR STORING CLEANING EMULSIONS AND SOLVENTS AND ALKALI CLEANERS, ELECTRIC HEATING ELEMENTS FOR HEATING CLEANING SOLVENTS AND DEGREASING SOLVENTS IN TANKS, DEGREASING EQUIPMENT, DISTILLING EQUIPMENT AND CLEANING EQUIPMENT, AND ELECTRICALLY HEATED AND POWERED SOLVENT RECOVERY MACHINES FOR RECOVERING SOLVENT FROM ABSORBENT MATERIALS BY MEANS OF CIRCULATED HOT AIR.
Claims use since Dec. 20, 1935.

Ser. No. 548,920. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 6, 1948. (Sec. 2f.)

ELECTRICENTER

FOR CIRCUIT BREAKER PANELBOARDS.
Claims use since Jan. 1, 1940.

Ser. No. 550,010. AMERICAN CONDENSER CO., Chicago, Ill. Feb. 18, 1948.

AMCON

FOR ELECTRICAL CONDENSERS.
Claims use since Oct. 24, 1935.

Ser. No. 552,939. CARTER MOTOR COMPANY, Chicago, Ill. Filed Mar. 25, 1948. (Sec. 2f.)

Carter

FOR MOTOR GENERATORS.
Claims use since 1933.

Ser. No. 555,993. DAVIS ELECTRIC COMPANY, Cape Girardeau, Mo. Filed May 1, 1948.

DECOHM

FOR RESISTORS, COILS, RELAYS, SOLENOID, VALVES AND SWITCHES.
Claims use since Mar. 1, 1948.

Ser. No. 564,345. PARIS DECORATORS CORP., New York, N. Y. Filed Aug. 28, 1948. (Sec. 2f.)

Paris

FOR ELECTRIC LIVING ROOM LAMPS, ELECTRIC BEDROOM LAMPS, AND LAMPSHADE COVERS FOR ELECTRIC LAMPS.
Claims use since Nov. 13, 1926.

Ser. No. 567,683. CITIES SERVICE OIL COMPANY, Bartlesville, Okla. Filed Oct. 27, 1948.



FOR STORAGE BATTERIES, BATTERY CABLES, BATTERY CHARGERS, AND SPARK PLUGS.
Claims use on storage batteries since August 1939; on battery cables since November 1939; on battery chargers since July 1938; and on spark plugs since April 1945.

Ser. No. 568,849. RUDOLPH KAHN, doing business as Hub Vacuum Stores, New York, N. Y. Filed Nov. 16, 1948.

HUB-VAC

FOR ELECTRIC DOMESTIC VACUUM CLEANERS.
Claims use since Oct. 20, 1948.

Ser. No. 568,933. THE CHASE-SHAWMUT COMPANY, Newburyport, Mass. Filed Nov. 17, 1948.

TRIONET

FOR ELECTRIC FUSES AND FUSE LINKS THEREFOR.
Claims use since August 1946.

Ser. No. 569,309. STANDARD TRANSFORMER CORPORATION, Chicago, Ill. Filed Nov. 23, 1948.

TELEMATCH

FOR IMPEDANCE MATCHING TUNERS FORMING AN INTEGRAL PART OF TELEVISION RECEIVERS AND USED IN CONJUNCTION WITH THE ANTENNA FOR SIGNAL CLARIFYING PURPOSES.
Claims use since Nov. 12, 1948.

Ser. No. 569,460. MODERN PRODUCTS SUPPLY CO., Milwaukee, Wis. Filed Nov. 26, 1948.

VEJECTOR

FOR ELECTRICAL VEGETABLE JUICE EXTRACTOR.
Claims use since Oct. 1, 1948.

Ser. No. 570,011. THE WHITNEY BLAKE COMPANY, Hamden, Conn. Filed Dec. 4, 1948.

DYNAPRENE

FOR INSULATED ELECTRIC WIRES.
Claims use since Sept. 28, 1948.

Ser. No. 570,147. NEPONSET RADIO CORPORATION, Boston, Mass. Filed Dec. 7, 1948.

PARA-DYNE

FOR MICROPHONES.
Claims use since Nov. 1, 1948.

Ser. No. 570,148. CHARLES F. ABBOTT CO., INC., East Orange, N. J. Filed Dec. 8, 1948.

AURORA

FOR ELECTRIC CHRISTMAS TREE LIGHTING SETS AND ELECTRICAL CHRISTMAS DECORATIONS.
Claims use since Nov. 29, 1945.

Ser. No. 571,773. ZERMAC BATTERY MANUFACTURING CO. INC., Lubbock, Tex. Filed Jan. 6, 1949.

Zermac

FOR STORAGE BATTERIES.
Claims use since Aug. 23, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 546,740. WOODBURN MANUFACTURING CO., INC., Chicago, Ill. Filed Jan. 10, 1948.

BIZZIE BEE

FOR TOY ELECTRIC VACUUM SWEEPERS, TOY WOODBURNING SETS, TOY CASTING SETS, AND TOY ELECTRIC SAWS.
Claims use since Aug. 30, 1940.

Ser. No. 550,901. DURO-MATIC PRODUCTS COMPANY, Hollywood, Calif. Filed Mar. 1, 1948.

DURO-MATIC

FOR TOY RACING CARS AND TOY INTERNAL COMBUSTION ENGINES FOR SUCH RACING CARS.
Claims use since Sept. 1, 1945.

Ser. No. 552,267. PERIMAN ENGINEERING CORPORATION, Los Angeles, Calif. Filed Mar. 18, 1948.

GAD-JET

The word "Jet" is disclaimed apart from the mark.
FOR TOY AUTOMOBILES OR MINIATURE RACING CARS.
Claims use since Feb. 9, 1948.

Ser. No. 553,831. EVERLAST WORLD'S BOXING HEADQUARTERS CORP., New York, N. Y. Filed Apr. 5, 1948. (Sec. 2f.)

EVERLAST

Applicant claims ownership of Registration No. 205,020.
FOR EAR AND EYEBROW PROTECTORS FOR BOXERS, BOXING MASKS, ODONTOGUARDS, BOXING GLOVES, STRIKING BAGS, FIGHTING GLOVES, TRAINING DUMMIES, STRIKING-BAG PLATFORMS, BASEBALLS, BASEBALL GLOVES, BASEBALL BATS, CATCHERS' MASKS, CATCHERS' PROTECTORS, DUMBBELLS, FOOTBALLS, GUARDS AND PROTECTORS FOR FOOTBALL PLAYERS, BASKETBALLS, ROLLER SKATES, ICE SKATES, ROWING MACHINES, CHEST WEIGHTS, SPRING EXERCISERS, GRIP DEVELOPERS.
Claims use since 1914.

Ser. No. 555,259. FOUNTAIN DIE CUTTING COMPANY, New York, N. Y. Filed Apr. 22, 1948.

ROTO CHEK

The representation of a checker piece apart from the mark as shown is disclaimed.
FOR CHECKER GAME.
Claims use since Apr. 1, 1948.

Ser. No. 561,438. BAYSHORE INDUSTRIES, INC., Elkton, Md. Filed July 15, 1948.

"HAND GRENADE - BLOCK BUSTER"

FOR TOY RUBBER BALLOONS.
Claims use since June 16, 1948.

Ser. No. 561,440. BAYSHORE INDUSTRIES, INC. Elkton, Md. Filed July 15, 1948.

"Pistol - Gun Report"

FOR TOY RUBBER BALLOONS.
Claims use since June 16, 1948.

Ser. No. 563,103. THE BARR RUBBER PRODUCTS COMPANY, Sandusky, Ohio. Filed Aug. 10, 1948. (Sec. 2f.)

BARR

FOR TOYS—NAMELY, BALLOONS, BALLS, DOLLS, AND OTHER ARTICLES OF VARIOUS CONFIGURATIONS SUITABLE FOR THE PLAY AND/OR AMUSEMENT OF ADULTS, CHILDREN, AND/OR ANIMAL PETS, AND GAME BALLS—NAMELY, BASEBALLS, BASKETBALLS, FOOTBALLS, AND THE LIKE, ALL OF SAID ARTICLES BEING COMPRISED IN WHOLE OR IN PART OF RUBBER (NATURAL OR SYNTHETIC), LATEX, OR PLASTIC.
Claims use since July 1, 1920.

Ser. No. 563,226. A. G. SPALDING & BROS., INC., Chicopee, Mass. Filed Aug. 11, 1948. (Sec. 2f.)

SPALDING

Applicant claims ownership of Registrations Nos. 56,737, 56,738, and others.
FOR BADMINTON RACKETS, TENNIS RACKETS, SQUASH RACKETS, TABLE TENNIS BATS, GOLF CLUBS, GOLF BALLS, TENNIS BALLS, TABLE TENNIS BALLS, BASKETBALLS, FOOTBALLS, SOCCERBALLS, VOLLEY BALLS, SQUASH BALLS, SHUTTLECOCKS, BASEBALLS, SOFTBALLS, HANDBALLS, BASEBALL GLOVES, SOFTBALL GLOVES, BASEBALL BATS, SOFTBALL BATS, FOOTBALL HELMETS, ATHLETIC SHOULDER PADS, BOXING GLOVES, ICE SKATES AND ROLLER SKATES, GOLF BAGS AND GOLF GLOVES.
Claims use since Jan. 1, 1876.

Ser. No. 563,227. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Aug. 11, 1948. (Sec. 2f.)

Spalding

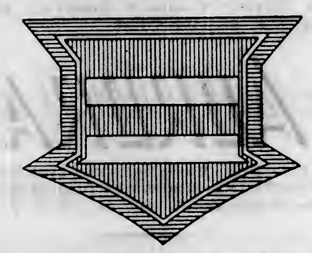
Applicant claims ownership of Registrations Nos. 56,737, 56,738, and others.
FOR BADMINTON RACKETS, TENNIS RACKETS, SQUASH RACKETS, TABLE TENNIS BATS, GOLF CLUBS, GOLF BALLS, TENNIS BALLS, TABLE TENNIS BALLS, BASKETBALLS, FOOTBALLS, SOCCERBALLS, VOLLEY BALLS, SQUASH BALLS, SHUTTLECOCKS, BASEBALLS, OFTBALLS, HANDBALLS, BASEBALL GLOVES, SOFTBALL GLOVES, BASEBALL BATS, SOFTBALL BATS, FOOTBALL HELMETS, ATHLETIC SHOULDER PADS, BOXING GLOVES, ROLLER SKATES AND ICE SKATES, GOLF BAGS AND GOLF GLOVES.
Claims use since 1897.

Ser. No. 564,623. HARLIS INC., Miami, Fla. Filed Sept. 3, 1948.

Time-O-Sphere

Applicant disclaims the word "Sphere" apart from the mark as shown.
FOR TOYS IN THE NATURE OF MINIATURE FIGURES, AND A SPHERE WITH MOVING PARTS OR CAPABLE OF HAVING MOVING PARTS.
Claims use since Aug. 12, 1948.

Ser. No. 564,800. THE BARR RUBBER PRODUCTS COMPANY, Sandusky, Ohio. Filed Sept. 8, 1948.



The drawing is lined for shading only.
FOR RUBBER TOYS—NAMELY, BALLOONS, BALLS, DOLLS, AND OTHER ARTICLES OF VARIOUS CONFIGURATIONS SUITABLE FOR THE PLAY AND/OR AMUSEMENT OF ADULTS, CHILDREN, AND/OR ANIMAL PETS, AND GAME BALLS—NAMELY, BASEBALLS, BASKETBALLS, FOOTBALLS, AND THE LIKE, ALL OF SAID ARTICLES BEING COMPRISED IN WHOLE OR IN PART OF RUBBER (NATURAL OR SYNTHETIC), LATEX, OR PLASTIC.
Claims use since July 1, 1920.

Ser. No. 573,566. PERRINE MANUFACTURING CO., Minneapolis, Minn. Filed Feb. 9, 1949.

PEMCO

FOR FISHING REELS.
Claims use since July 1936.

Ser. No. 576,472. FRANK SATS, Beverly Hills, Calif. Filed Apr. 1, 1949.

"Sazbo"

FOR DOLLS.
Claims use since Dec. 17, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 530,346. STANDARD HORSE NAIL CORPORATION, New Brighton, Pa. Filed Aug. 2, 1947.

Stanho

FOR MACHINE KEYS USED TO HOLD MACHINE ELEMENTS IN NONROTATIVE POSITION ON SHAFTS AND THE LIKE OR TO POSITION MACHINE PARTS IN RELATION TO ONE ANOTHER OR FOR LIKE MECHANICAL USES, WOODRUFF KEYS, STRAIGHT AND TAPERED PINS FOR BINDING TOGETHER MACHINE PARTS AND FOR USE AS STOP AND CENTERING PINS AND MACHINE GEAR RACKS.
Claims use since June 1942.

Ser. No. 534,660. THE PARSONS COMPANY, Newton, Iowa. Filed Sept. 16, 1947. (Sec. 2f.)

PARSONS

FOR WHEEL AND ENDLESS CHAIN DIGGING SCOOP DITCHING OR TRENCHING MACHINES.
Claims use since 1905.

Ser. No. 537,949. TAMPAX INCORPORATED, New York, N. Y., and Palmer, Mass. Filed Oct. 15, 1947.

TAMPAX

FOR VENDING MACHINES FOR THE DISPENSING OF SANITARY CATAMENIAL TAMPONS.
Claims use since Apr. 21, 1939.

Ser. No. 539,417. HENRY HUNT, doing business as Pronto Mowers, Oldsmar, Fla. Filed Oct. 29, 1947.

PRONTO

FOR HAND OPERATED AND POWER DRIVEN LAWNMOWERS.
Claims use since July 18, 1946.

Ser. No. 542,703. VICTAULIC COMPANY OF AMERICA, New York, N. Y. Filed Nov. 28, 1947.

VIC-GROOVER

The word "Groover" is disclaimed.
FOR PORTABLE HAND OPERATED PIPE GROOVING TOOL.
Claims use since May 12, 1947.

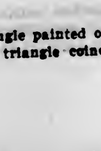
Ser. No. 544,722. GUIBERT STEEL COMPANY, Pittsburgh, Pa. Filed Dec. 18, 1947.

SUP-R-GUY

FOR SAFETY TURN BARS, TOW CRANES, LIFT LOADERS, AND CONCRETE MIXERS.
Claims use since Aug. 21, 1947.

Ser. No. 544,723. GUIBERT STEEL COMPANY, Pittsburgh, Pa. Filed Dec. 18, 1947.

SUP-R-GUY



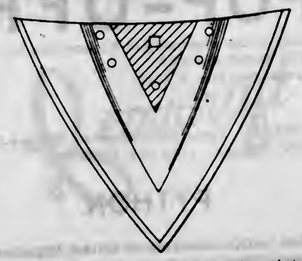
SAFETY TURN BARS, TOW CRANES, LIFT LOADERS, AND CONCRETE MIXERS.
Claims use since Aug. 21, 1947.

Ser. No. 549,786. CLIPPER MANUFACTURING COMPANY, Kansas City, Mo. Filed Feb. 16, 1948.

Clipper

The phrase "Sails Right Thru" is disclaimed.
FOR POWER DRIVEN MASONRY SAWS.
Claims use since Jan. 2, 1938.

Ser. No. 551,960. THE EMPIRE PLOW COMPANY, Cleveland, Ohio. Filed Mar. 15, 1948.



The mark consists of a brown triangle painted on the specified goods with the base of the triangle coincident

with an edge of the goods. The official representation of the color brown has been used in the drawing.

The representation of the goods in the drawing is, per se, disclaimed as a part of the mark. Applicant claims ownership of Registrations Nos. 384,651, 384,652, 381,673, and 386,502.

FOR SWEEPS AND LIKE GROUND-WORKING AGRICULTURAL METAL TOOLS.

Claims use since Nov. 1, 1935.

Ser. No. 556,209. LOWELL SPECIALTY COMPANY OF LOWELL MICH., doing business under the name Lowell Manufacturing Co., Lowell, Mich., and Chicago, Ill. Filed May 4, 1948.

PREMIER

FOR UNITARY MANUALLY-OPERATED SPRAYERS FOR APPLYING SOLUBLE INSECTICIDES AND GERMICIDES.

Claims use since Apr. 5, 1946.

Ser. No. 558,754. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 8, 1948.

ALLSTATE

Applicant claims ownership of Registration No. 310,535.

FOR GROUP A—MUFFLERS, MUFFLER SUPPORTS AND BRACKETS, EXHAUST PIPES, EXHAUST CLAMPS, MOTOR SUPPORTS, VALVE GUIDES, VALVE SPRINGS, GREASE GUNS AND PARTS; GROUP B—WATER PUMPS, AIR COMPRESSORS, JACKS (HYDRAULIC AND MANUAL), TIRE PUMPS, PISTONS AND PISTON SKIRT EXPANDERS; GROUP C—FUEL PUMPS AND WINCHES; GROUP D—FANS, BRAKE RELINING TOOLS (COMPRISING DELINING FRAME AND PUNCH, RIVET SETTER, DRILL, COUNTERSINK AND ANVIL), CLUTCH PLATES, UNIVERSAL JOINT ASSEMBLIES, GEAR AND PINION SETS, AND WHEEL BEARINGS; GROUP E—OIL PUMPS, CARBURETORS, ENGINES (REBUILT), AND CRANKSHAFTS (NEW AND REBUILT).

Claims use since July 15, 1945, for Group A; since July 15, 1946, for Group B; since Jan. 15, 1947, for Group C; since July 15, 1947, for Group D; and since Jan. 15, 1948, for Group E.

Ser. No. 567,518. THE HINES FLASK COMPANY, Cleveland, Ohio. Filed Oct. 23, 1948.

POP-OFF

Applicant claims ownership of Registration No. 412,256.

FOR FOUNDRY FLASKS.

Claims use since Mar. 1, 1943.

Ser. No. 568,924. ARMSTRONG SIDDELEY MOTORS LIMITED, Coventry, England. Filed Nov. 17, 1948.

PYTHON

Applicant claims ownership of British Registration No. 661,132, dated July 28, 1947.

FOR AEROPLANE ENGINES AND PARTS THEREOF.

Ser. No. 568,964. MCCRORY STORES CORPORATION, New York, N. Y. Filed Nov. 17, 1948.

COMMANDER

Applicant claims ownership of Registrations Nos. 293,668 and 293,667.

FOR SAFETY RAZOR BLADES.

Claims use since Oct. 22, 1931.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 555,189. LOUIS NEWMAN, doing business as L. Newman Tool Die & Machine Work, Oakland, Calif., assignor to California Casket Company, San Francisco, Calif., a corporation of California. Filed Apr. 21, 1948.

TRAYMASTER

FOR LAUNDRY WASHING MACHINES.

Claims use since Aug. 22, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 518,203. COUNTER AND CONTROL CORPORATION, Milwaukee, Wis. Original filed, act of 1905, Feb. 27, 1947; amended to application under act of 1946, Principal Register, May 4, 1949.

CYCLO-MONITOR

FOR AUTOMATIC UNITARY MECHANICALLY OPERATED SWITCHING CONTROLS FOR PERIODIC CONTROL OF THE SEQUENCE OF OPERATION IN PREDETERMINED REPEATED OR CONTINUOUS CYCLICAL ORDER OF MECHANICAL AND ELECTRICAL APPARATUS.

Claims use since Feb. 10, 1947.

Ser. No. 533,694. ARGUS, INCORPORATED, Ann Arbor, Mich. Filed Sept. 8, 1947.

Markfinder

FOR VIEW FINDERS FOR CAMERAS.

Claims use since Aug. 18, 1947.

Ser. No. 533,696. ARGUS, INCORPORATED, Ann Arbor, Mich. Filed Sept. 8, 1947.

Markfinder

FOR VIEW FINDERS FOR CAMERAS.

Claims use since Aug. 13, 1947.

Ser. No. 556,405. WILLIAM BROWN, doing business as Holby Valve Company, New York, N. Y. Filed May 7, 1948. (Sec. 2f.)

HOLBY VALVE CO.

No claim is made to the words "Valve Co." apart from the mark as a whole.

FOR THERMOSTATICALLY-CONTROLLED TEMPERATURE REGULATING VALVES.

Claims use since Mar. 31, 1945.

Ser. No. 571,732. THE LUFKIN RULE COMPANY, Saginaw, Mich. Filed Jan. 6, 1949.

WIZARD

FOR TAPE MEASURES.

Claims use since Dec. 5, 1932.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 557,511. DITISHEIM & CIE, FABRIQUES VULCAIN ET VOLTA, La Chaux-de-Fonds, Switzerland. Filed May 21, 1948.

VULCAIN

Applicant claims ownership of Swiss Registrations Nos. 43,434, 69,462, and 10,851.

FOR WATCHES AND PARTS THEREOF.

Claims use since January 1899 in Switzerland.

Ser. No. 574,272. PAUL VALLETTE WATCH CO., INC., New York, N. Y. Filed Jan. 28, 1949. (Sec. 2f.)

Paul Vallette

The name "Paul Vallette" is fictitious. Applicant claims ownership of Registration No. 250,705.

FOR WATCHES AND CLOCKS AND PARTS OF THEM.

Claims use since 1919.

Ser. No. 576,274. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Mar. 29, 1949.

CALENDOLUX

Applicant claims ownership of Registrations Nos. 407,090, 409,380, 426,028, and 506,403.

FOR WATCHES.

Claims use since Sept. 15, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 540,259. PATRICK J. COSGROVE, Boston, Mass. Filed Nov. 6, 1947.



The figure shown is is a fanciful presentation of St. Anne, the patroness of marriage. No claim is made to the representation of a ring apart from the mark as shown.

FOR FINGER RINGS.

Claims use since Oct. 27, 1947.

Ser. No. 555,416. KREMENTZ & COMPANY, Newark, N. J. Filed Apr. 23, 1948. (Sec. 2f.)

SNAP-BAR

No claim is made to the exclusive use of the word "Snap" apart from the mark shown.

FOR CUFF LINKS MADE IN WHOLE OF, OR IN PART OF, OR PLATED WITH, PRECIOUS METAL, OR SET WITH PRECIOUS OR SEMI-PRECIOUS STONES.

Claims use since 1940.

Ser. No. 557,478. TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Filed May 20, 1948.

FRENCH PROVINCIAL

FOR STERLING SILVER AND STERLING SILVER MOUNTED FLATWARE, HOLLOW-WARE, AND CUTLERY.

Claims use since Apr. 9, 1948.

Ser. No. 558,272. BEAUCRAFT, INC., Providence, R. I. Filed June 2, 1948.

Beaucraft

FOR COSTUME JEWELRY—NAMELY, CLIPS, PINS, NECKLACES, BRACELETS, AND EARRINGS.

Claims use since Aug. 5, 1947.

Ser. No. 562,470. HAROLD N. GREY, doing business under the trade name of The Gilcrest Company, New York, N. Y. Filed July 29, 1948.

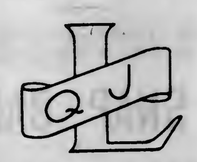


The representation of the finger ring is disclaimed apart from the mark.

FOR DIAMOND FINGER RINGS, DIAMOND MOUNTINGS, AND GOLD FINGER RINGS.

Claims use since Jan. 9, 1940.

Ser. No. 567,409. LEAVENS MANUFACTURING COMPANY, INC., Attleboro, Mass. Filed Oct. 21, 1948.



FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BROOCHES, CRAVAT HOLDERS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, CUFF LINKS, KEY CHAINS, AND ORGANIZATIONAL EMBLEMS.

Claims use since Mar. 31, 1948.

Ser. No. 570,991. B. & J. SIPPEL LIMITED, Sheffield, England. Filed Dec. 22, 1948.

SIPELIA

Applicant claims ownership of British Registrations No. 553,267/7198S, dated Aug. 13, 1934, and No. 553,268/7199S, dated Aug. 13, 1934.

FOR KNIVES, FORKS, AND SPOONS OF PRECIOUS METAL.

Ser. No. 571,780. ASPREY & COMPANY, LIMITED, London, England. Filed Jan. 7, 1949. (Sec. 2f.)

ASPREY

FOR STERLING SILVER CARVING SETS, COCKTAIL SHAKERS, TEA SETS AND OTHER STERLING SILVER HOLLOW-WARE ITEMS, BRUSH AND COMB SETS HAVING STERLING SILVER BACKS, MONEY CLIPS AND VANITY TRAYS.

Claims use since 1781.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 543,404. S. M. ARNOLD, INC., St. Louis, Mo. Filed Dec. 5, 1947. (Sec. 2f.)

Golden Fleece



FOR APPLICATOR PADS, MITTS AND POLISHING MACHINE BONNETS AND DISCS USED FOR WASHING, WAXING AND POLISHING, MADE OF SHEARLING (SHEEPSKIN TANNED WITH THE WOOL ON).

Claims use since Jan. 10, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 552,305. NACHMAN CORPORATION, Chicago, Ill. Filed Nov. 18, 1947.

Resilafoam

Applicant claims ownership of Registration No. 380,028.

FOR RUBBER LATEX CUSHIONING MATERIAL FOR USE IN MATTRESSES, CUSHIONS, SOFAS, CHAIRS, AND OTHER UPHOLSTERED ARTICLES.

Claims use since Dec. 29, 1939.

Ser. No. 554,628. ROBERT EDMOND ROGERS, doing business as Systems Sales Company, Endicott, N. Y. Filed Apr. 14, 1948.

SYSTEMS SALES COMPANY

FOR FILING CABINETS.

Claims use since Sept. 18, 1947.

Ser. No. 564,961. NELSON BROTHERS, West Wyoming, Pa. Filed Sept. 10, 1948.

Nelsonrest

FOR MATTRESSES, AND LIVING ROOM FURNITURE—NAMELY, DAY BEDS AND SOFA BEDS.

Claims use since Sept. 1, 1946.

Ser. No. 568,655. NEW YORK FEATHER COMPANY, Brooklyn, N. Y. Filed Nov. 12, 1948.

Curley Whirley

FOR PILLOWS.

Claims use since Oct. 8, 1948.

Ser. No. 569,735. ASSOCIATED NEEDLECRAFTS, New York, N. Y. Filed Dec. 2, 1948.

"LAZIMAT"

FOR WATERPROOF RECLINING PADS.

Claims use since February 1936.

Ser. No. 569,872. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 3, 1948.

FIELDBILT

FOR MATTRESSES, PILLOWS, AND BOX SPRINGS.

Claims use since Oct. 24, 1948.

Ser. No. 570,496. JAMISON BEDDING, INC., Nashville, Tenn. Filed Dec. 14, 1948.

Sweet Slumber

FOR MATTRESSES AND BOX SPRINGS.

Claims use since 1926.

CLASS 33

GLASSWARE

Ser. No. 537,413. CHATTANOOGA GLASS COMPANY, Chattanooga, Tenn. Filed Oct. 10, 1947.



FOR GLASS CONTAINERS FOR PACKAGING FOODS, BEVERAGES, AND MEDICINES.

Claims use since Jan. 1, 1927.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 553,200. KENT-MOORE ORGANIZATION INC., Detroit, Mich. Filed Mar. 27, 1948.

MONOXIVENT

FOR DUCTS AND CONNECTING HOSE ASSEMBLY FOR WITHDRAWING DIRECTLY TO ATMOSPHERE THE EXHAUST GASES FROM AUTOMOBILES IN SERVICE GARAGES.

Claims use since October 1945.

Ser. No. 562,473. INDUSTRIAL OXYGEN COMPANY, Louisville, Ky. Filed July 29, 1948.

CUT-O-MATIC

FOR PORTABLE FLAME SHAPE CUTTING MACHINES, BEVELLING MACHINES, AND PARTS THEREFOR.

Claims use since 1939.

Ser. No. 577,660. CONTINENTAL GIN COMPANY, Birmingham, Ala. Filed Apr. 25, 1949.



Applicant claims ownership of Registration No. 198,624.

FOR GAS AND OIL BURNERS AND PARTS AND ACCESSORIES THEREFOR.

Claims use since 1939.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 568,637. LAHER SPRING AND TIRE CORPORATION, Oakland, Calif. Filed Nov. 12, 1948.

BRAKE-MASTER

The word "Brake" is disclaimed.

FOR AUTOMOBILE AND TRUCK TIRES AND AUTOMOBILE AND TRUCK BRAKE LINING AND BRAKE BLOCKS.

Claims use since Oct. 22, 1948.

Ser. No. 572,830. JIM BROWN STORES, INC., Cleveland, Ohio. Filed Jan. 26, 1949.

Octopus

FOR RUBBER TIRES.

Claims use since Dec. 15, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 555,217. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Apr. 21, 1948.

WESTVACO WAYNE QUALITY

The word "Quality" is disclaimed. The drawing is lined for red. Applicant claims ownership of Registrations Nos. 122,558 and 119,848.

FOR BOOK PAPERS, WRITING PAPERS, PRINTING PAPERS, SANITARY FOOD PAPERS AND CONVERTING PAPERS.

Claims use since January 1925.

Ser. No. 562,713. KOLLER & SMITH CO., INC., New York, N. Y. Filed Aug. 3, 1948.

FUTURADEX

FOR FILE GUIDES AND FOLDERS, LABELS, INDEXES, AND CARDS FOR FILING SYSTEMS.

Claims use since July 21, 1948.

Ser. No. 565,728. SITROUX INCORPORATED, New York, N. Y. Filed Sept. 23, 1948.

Cashmere

FOR FACIAL TISSUES.

Claims use since July 9, 1948.

Ser. No. 565,896. WYOMISSING GLAZED PAPER COMPANY, West Reading, Pa. Filed Sept. 25, 1948.

Ferro Glazed

No claim is made to the word "Glazed" apart from the mark shown.

FOR HIGH GLOSS COATED PAPER.

Claims use since July 16, 1948.

Ser. No. 567,281. THE STOKES PAPER COMPANY, Cincinnati, Ohio. Filed Oct. 20, 1948.

CIOPA

FOR BOND PAPER, RAG BOND, SULPHIDE BOND, MIMEOGRAPH BOND, ENVELOPES, MANIFOLD PAPERS, ONION SKINS.

Claims use since Aug. 23, 1948.

Ser. No. 567,416. A. E. MACADAM & CO., INC., Brooklyn, N. Y. Filed Oct. 21, 1948.

"It's a MAC pack!"



No claim is made to the exclusive right to the use of the word "pack" apart from the mark.

FOR WRAPPING PAPER, HOUSEHOLD WRAPPING TISSUE, TOILET TISSUE, PAPER TOWELS, AND PAPER NAPKINS.

Claims use since May 25, 1948.

Ser. No. 568,723. FILING EQUIPMENT BUREAU, INCORPORATED, Boston, Mass. Filed Nov. 13, 1948. (Sec. 2f.)

TRIPLTOP

FOR FILING FOLDERS.

Claims use since Oct. 9, 1926.

Ser. No. 571,154. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis. Filed Dec. 27, 1948.

Downy-lin

FOR PAPER NAPKINS.

Claims use since Oct. 6, 1948.

Ser. No. 571,198. BRIGHTWATER PAPER CO., Dover, Del., and Adams, Mass. Filed Dec. 28, 1948.

Chessie

FOR WRITING PAPER.

Claims use since Dec. 21, 1948.

Ser. No. 571,464. RIVERSIDE PAPER CORPORATION, Appleton, Wis. Filed Dec. 31, 1948.

DEL RIO

FOR BOND PAPERS.

Claims use since Nov. 18, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 571,240. THEODORE PRESSER COMPANY, Philadelphia, Pa. Filed Dec. 28, 1948.

ETUDE

FOR MONTHLY MUSIC MAGAZINE.

Claims use since April 1923.

Ser. No. 571,258. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Dec. 29, 1948.

RUSTY AND DUSTY

FOR COMIC STRIP IN NEWSPAPERS.

Claims use since Dec. 12, 1948.

Ser. No. 571,702. THE BERLITZ SCHOOLS OF LANGUAGES OF AMERICA, INC., New York, N. Y. Filed Jan. 6, 1949.

BERLITZ

FOR PRINTED BOOKS, PAMPHLETS, AND CIRCULARS.

Claims use since May 1878.

Ser. No. 571,939. ST. PAUL & TACOMA LUMBER CO., Tacoma, Wash. Filed Jan. 10, 1949.

The Tree Life Log

Applicant claims ownership of Registrations Nos. 263,784 and 500,551.

FOR PERIODICAL HOUSE-ORGAN MAGAZINE.

Claims use since February 1948.

Ser. No. 571,967. INTERNATIONAL ALLIANCE OF THEATRICAL STAGE EMPLOYES AND MOVING PICTURE MACHINE OPERATORS OF THE UNITED STATES AND CANADA,, New York, N. Y. Filed Jan. 11, 1949.



Applicant claims ownership of Registrations Nos. 120,675 and 439,790.

FOR ORGANIZATION BULLETIN.

Claims use since May 1947.

Ser. No. 572,133. STANDARD GREETINGS, INC., Holyoke, Mass. Filed Jan. 13, 1949.

Blue Ribbon

FOR BOX ASSORTMENT OF GREETING CARDS.

Claims use since Sept. 1, 1948.

CLASS 39

CLOTHING

Ser. No. 530,097. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind. Filed July 31, 1947.

GAMELUCK

FOR COMBINATION RUBBER AND LEATHER BOOTS AND SHOES.

Claims use since Aug. 29, 1925.

Ser. No. 532,746. MINNETONKA MOCCASIN COMPANY, INC., Minneapolis, Minn. Filed Aug. 28, 1947.

PA-POO-SHU

The term "Shu" is disclaimed.

FOR CHILD'S MOCCASINS.

Claims use since January 1946.

Ser. No. 533,467. GOLDSMITH CLOTHING COMPANY, St. Louis, Mo. Filed July 26, 1947.

HAMPTON HEATH

The name and picture of the man are both fanciful.

FOR MEN'S AND YOUNG MEN'S SUITS, COATS, SPORT COATS, PANTS, TOPCOATS, AND OVERCOATS.

Claims use since February 1921.

Ser. No. 543,679. BEST & CO. INC., New York, N. Y. Filed Dec. 8, 1947.

THE BEST TRIPLETS

Applicant claims ownership of Registrations Nos. 253,607, 204,847, 362,249, and 379,400.

FOR MISSES' AND WOMEN'S APPAREL—NAMELY, SUITS, DRESSES, SKIRTS, JACKETS, COATS, SLACKS, SWEATERS, BLOUSES, BATHING SUITS AND TRUNKS, BEACH ROBES, BATHING CAPS, SKI SUITS, SKI PANTS, HATS, CAPS, SCARFS, LEATHER AND FABRIC GLOVES, SHOES AND SLIPPERS OF LEATHER, RUBBER, CANVAS, FABRICS AND COMBINATIONS OF SAME, HOSIERY, CORSETS, GIRDLES, NEGLIGEES, SLIPS, PANTIES, BRASSIÈRES, PETTICOATS, CHEMISES, DRAWERS, STEP-INS, APPAREL BELTS, HANDKERCHIEFS, PAJAMAS, NIGHTGOWNS, NIGHTSHIRTS, PLAY SUITS, OUTER SHORTS, RIDING HABITS, NECKWEAR CONSISTING OF COLLARS, NECKTIES, DICKEYS, GILETS, JABOTS, ASCOTS; CHILDREN'S APPAREL—NAMELY, SUITS, DRESSES, SKIRTS, JACKETS, COATS, SLACKS, SWEATERS, BLOUSES, BATHING SUITS AND TRUNKS, BEACH ROBES, BATHING CAPS, BATHING SLIPPERS, HATS, CAPS, SCARFS, LEATHER AND FABRIC GLOVES, SHOES AND SLIPPERS OF LEATHER, RUBBER, CANVAS, FABRICS AND COMBINATIONS OF SAME, HOSIERY, PANTIES, PETTICOATS, DRAWERS, PAJAMAS AND NIGHTGOWNS; INFANTS' APPAREL — NAMELY, DIAPERS, SHIRTS, ROMPERS, SACQUES, SLIPS, KIMONAS, DRESSES, SUITS, COATS, LEGGINGS, SOCKS, HATS, CAPS, GLOVES, SCARVES, SWEATERS, BATHROBES, PAJAMAS, NIGHTGOWNS, UNDERWEAR, SHOES AND SLIPPERS; AND BOYS' APPAREL—NAMELY, SUITS, NECKTIES, PAJAMAS, AND NIGHTSHIRTS.

Claims use since Dec. 2, 1947.

Ser. No. 546,182. BERKEY COMPANY, Philadelphia, Pa. Filed Jan. 5, 1948.



Applicant claims ownership of Registration No. 501,419.

FOR CLOTHING—NAMELY, UNDERWEAR, PAJAMAS, AND SWIMMING TRUNKS FOR BOYS AND MEN.

Claims use since Oct. 1, 1946.

Ser. No. 548,479. S. CAPEZIO, INC., New York, N. Y. Filed Jan. 31, 1948.

SANDASOL

FOR SANDALS MADE OF LEATHER AND ELASTIC FABRIC, AND HAVING THE UPPER LARGELY CUT AWAY OR OPEN, AND IN SOME CASES HAVING ONLY A HALF SOLE.

Claims use since summer of 1940.

Ser. No. 548,752. MCDONALD OF LEBANON, PA., Lebanon, Pa. Filed Feb. 4, 1948.



The pictorial representation in the drawing is fanciful.

FOR CHILDREN'S BATHING SUITS, PLAYSUITS, AND PINAFORES.

Claims use since Apr. 15, 1947.

Ser. No. 562,328. COSMO BLOUSES & SPORTSWEAR, INC., New York, N. Y. Filed July 28, 1948.

CLAIREN

FOR LADIES' AND CHILDREN'S BLOUSES, SKIRTS, SLACKS, OUTER SHORTS, AND PLAYSUITS.

Claims use since May 15, 1948.

Ser. No. 562,786. LEWIS KNITTING COMPANY, Janesville, Wis. Filed Aug. 4, 1948. (Sec. 2f.)

Lewis

Applicant claims ownership of Registrations Nos. 225,215 and 331,503.

FOR MEN'S UNDERWEAR.

Claims use since Feb. 15, 1946, as to the type style shown; and since 1871 as to "Lewis."

Ser. No. 563,041. B. KUPPENHEIMER & CO. INC., Chicago, Ill. Filed May 28, 1948.

TROPIDINE

FOR MEN'S AND YOUTHS' READY TO WEAR SUITS, AND MEN'S, YOUTHS' AND WOMEN'S SLACKS.

Claims use since Nov. 5, 1944.

Ser. No. 563,084. SAUL-KLENBERG & COMPANY, Atlanta, Ga. Filed Aug. 9, 1948. (Sec. 2f.)

Patricia Lee

The name "Patricia Lee" is fanciful, and applicant is unaware of any person having such name.

FOR WOMEN'S AND MISSES' DRESSES.

Claims use since Aug. 5, 1942.

Ser. No. 563,135. SEL-GOOD UNDERGARMENT COMPANY, New York, N. Y. Filed Aug. 10, 1948.

Snootie-Pants

The word "Pants" is disclaimed.

FOR LADIES' PANTIES AND LADIES' BLOOMERS.

Claims use since July 6, 1948.

Ser. No. 563,461. GENERAL SPORTWEAR CO., INC., Ellenville, N. Y. Filed Aug. 16, 1948.

ULSTER JR.

The word "Jr." is disclaimed. Applicant claims ownership of Registration No. 250,994.

FOR GARMENTS FOR CHILDREN—NAMELY, OVERALLS, CREEPERS, PANTY DRESSES, AND BLOUSES.

Claims use since Nov. 1, 1940.

Ser. No. 564,789. SMOLER BROS., INC., Chicago, Ill., and New York, N. Y. Filed Sept. 7, 1948.

LENBARRY

FOR WOMEN'S AND MISSES' DRESSES.

Claims use since March 1942.

Ser. No. 564,891. THE OWENBY MANUFACTURING COMPANY, Marietta, Ga. Filed Sept. 9, 1948.

FROSTY MORN

FOR CHILDREN'S PLAYSUITS.

Claims use since May 7, 1948.

Ser. No. 564,896. HENRY POLLAK, INC., New York, N. Y. Filed Sept. 9, 1948.

BALIPAN

FOR HAT BODIES.

Claims use since July 12, 1948.

Ser. No. 565,083. DAVID ROTHSCHILD COMPANY, Columbus, Ga. Filed Sept. 13, 1948. (Sec. 2f.)

TRUWEAR

Applicant claims ownership of Registration No. 209,915.

FOR APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, HOSIERY, WORK SHIRTS, DRESS SHIRTS, UNDERWEAR SHIRTS, UNDERWEAR SHORTS, AND TROUSERS.

Claims use since May 20, 1924.

Ser. No. 565,584. HART SCHAFFNER & MARX, Chicago, Ill. Filed Sept. 21, 1948. (Sec. 2f.)

SUEZ

Applicant claims ownership of Registration No. 384,407.

FOR MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES.

Claims use since Oct. 26, 1939.

Ser. No. 565,645. MILFORD SHOE COMPANY, Milford, Mass. Filed Sept. 22, 1948.

Rester-Flex

Applicant claims ownership of Registration No. 249,722.

FOR MEN'S SHOES.

Claims use since May 21, 1948.

Ser. No. 566,022. ARTVOGUE OF CALIFORNIA, San Francisco, Calif. Filed Sept. 28, 1948.



FOR MEN'S AND BOYS' SPORT SHIRTS, LOAFER JACKETS, AND NECK-TIES.
Claims use since June 11, 1948.

Ser. No. 566,375. JACK N. BERNSTOCK, trading as Standard Kiddies Sportswear, Brooklyn, N. Y. Filed Oct. 4, 1948.



FOR CHILDREN'S SNOW SUITS.
Claims use since May 4, 1948.

Ser. No. 566,668. SPATZ BROS., INC., New York, N. Y. Filed Oct. 7, 1948.

"FIRE-WAGON"

FOR CHILDREN'S RAINCOATS.
Claims use since Sept. 24, 1948.

Ser. No. 567,080. F. JACOBSON & SONS, INC., New York, N. Y. Filed Oct. 16, 1948.

WHITEHALL

Applicant claims ownership of Registrations Nos. 161,062, 208,579, 208,677, and 204,370.
FOR MEN'S, WOMEN'S, AND BOYS' DRESS, NEGLIGEE, AND SPORT SHIRTS, MEN'S AND BOYS' PAJAMAS AND COLLARS.
Claims use since Oct. 13, 1921.

Ser. No. 567,586. LA JOLLA SPORTSWEAR CO., Los Angeles, Calif. Filed Oct. 25, 1948.

La Jolla

FOR MEN'S TROUSERS.
Claims use since Feb. 2, 1945.

Ser. No. 568,351. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 8, 1948.

Snuggle Down

FOR LADIES' NIGHTGOWNS MADE OF BRUSHED RAYON FABRIC.
Claims use since April 1938.

Ser. No. 568,688. ARTHUR I. STEPHENS, Chicago, Ill. Filed Nov. 12, 1948.

PROUDSTEP

FOR HOSIERY.
Claims use since Oct. 30, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 557,829. KATIE L. DAUGHTERY, Atlanta, Ga. Filed May 26, 1948.

Ero-Pin

The word "Pin" is disclaimed.
FOR NEEDLE FOR MAKING HAIR PIN CROCHET.
Claims use since Dec. 15, 1947.

Ser. No. 576,977. MAGICOMB CORPORATION, Los Angeles, Calif. Filed Apr. 12, 1948.

MAGIComb

FOR COMBS.
Claims use since Apr. 19, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 541,047. S. STEIN & CO., INC., New York, N. Y. Filed Nov. 13, 1947. (Sec. 2f.)

WELLINGTON

Applicant claims ownership of Registration No. 205,994.
FOR WOOLEN FABRICS IN THE PIECE AND IN CUT LENGTHS.
Claims use since Oct. 1, 1924.

Ser. No. 554,903. GEO. MCARTHUR & SONS, INC., Baraboo, Wis. Filed Apr. 17, 1947. (Sec. 2f.)

Baraboo

Applicant claims ownership of Registration No. 373,423.
FOR BATH TOWELS AND TOWELING.
Claims use since 1918.

Ser. No. 556,514. MUNRO AND COMPANY LIMITED, Edinburgh, Scotland. Filed Apr. 30, 1948. (Sec. 2f.)

MUNROSPUN

Applicant claims ownership of Registrations Nos. 346,295, 361,914, and 429,614.
FOR WOOLEN CLOTHS IN THE PIECE AND TRAVELLING RUGS.
Claims use since Dec. 31, 1919.

Ser. No. 557,060. MUNRO & COMPANY LIMITED, Edinburgh, Scotland. Filed May 14, 1948. (Sec. 2f.)

Munro Tweed

The word "Tweed" is disclaimed apart from the mark shown. Applicant claims ownership of Registrations Nos. 346,295, 361,914, and 429,614.
FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Apr. 27, 1937.

Ser. No. 574,921. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 4, 1949.

HEIR APPARENT

FOR BLANKETS AND SHEETS.
Claims use since Dec. 30, 1948.

Ser. No. 577,380. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Apr. 19, 1949.

COUNTY FAIR COLORS

The word "Colors" is disclaimed.
FOR WOOLEN PIECE GOODS.
Claims use since Apr. 11, 1949.

Ser. No. 577,586. S. T. PALAY TEXTILE CORPORATION, New York, N. Y. Filed Apr. 23, 1949.

SAKANA

FOR TEXTILE FABRICS IN THE PIECE MADE OF RAYON, NYLON, COTTON, OR WOOL, OR COMBINATIONS THEREOF.
Claims use since June 1941.

Ser. No. 577,700. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Apr. 26, 1949.

GALA

FOR ELECTROCOATED PILE RUG MATERIAL SUCH AS RUGS AND CARPETS.
Claims use since Mar. 17, 1949.

Ser. No. 577,701. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Apr. 26, 1949.

MORRO

FOR ELECTROCOATED PILE RUG MATERIAL SUCH AS RUGS AND CARPETS.
Claims use since Mar. 17, 1949.

Ser. No. 577,735. ROBERTSON FACTORIES, INC., New York, N. Y. Filed Apr. 26, 1949.

Westchester

FOR WINDOW CURTAINS.
Claims use since Jan. 28, 1949.

Ser. No. 577,747. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Apr. 26, 1949.

LOOMGOLD

FOR FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF.
Claims use since June 24, 1936.

CLASS 43

THREAD AND YARN

Ser. No. 576,639. FREYDBERG BROS.-STRAUSS, INC., New York, N. Y. Filed Apr. 5, 1949.

Printemps

FOR KNITTING YARN.
Claims use since Jan. 2, 1949.

Ser. No. 576,718. MAX POLLACK & COMPANY, INC., New York, N. Y. Filed Apr. 6, 1949.

IMPERATOR

FOR SEWING THREADS.
Claims use since June 1914.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 530,053. SIDNEY SMITH ANDERSON, doing business as The Nugrape Company, Hattiesburg, Miss. Filed July 31, 1947.



The drawing is lined for the color red.
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FLAVORING USED IN MAKING SAME.
Claims use since Apr. 5, 1947.

Ser. No. 547,266. MOOREHEAD MANUFACTURING CO., Baltimore, Md. Filed Jan. 16, 1948.

CHOCKETTE

FOR CARBONATED NON-ALCOHOLIC BEVERAGES SOLD AS MALTLESS SOFT DRINKS.
Claims use since Sept. 7, 1946.

Ser. No. 553,223. SUBURBAN CLUB CARBONATED BEVERAGE CO., INC., Baltimore, Md. Filed Mar. 27, 1948.

Cream Cholly

The word "Cream" is disclaimed.
FOR MALTLESS SOFT DRINKS AND CARBONATED WATERS.
Claims use since Jan. 14, 1948.

Ser. No. 558,571. ROBERT S. MANSUR, Pasadena, Calif. Filed June 5, 1948.



The portrait on the drawing is fanciful. Applicant claims ownership of Registrations Nos. 315,466 and 423,729.
FOR MALTLESS SOFT DRINKS.
Claims use since July 1, 1946.

Ser. No. 564,581. THE PERFECTION COMPANY, LTD., Waco, Tex. Filed Sept. 2, 1948.

JACKPOT

Applicant claims ownership of Registration No. 378,823.
FOR COLA EXTRACT CONCENTRATE USED IN THE PREPARATION OF MALTLESS SOFT DRINKS.
Claims use since Jan. 30, 1940.

Ser. No. 569,602. BURMA-COLA COMPANY, Bethesda, Md. Filed Nov. 30, 1948.



The drawing is lined to represent the color red.
FOR FLAVORING SYRUP FOR NON-ALCOHOLIC MALTLESS SOFT DRINKS AND FOR NON-ALCOHOLIC MALTLESS SOFT DRINKS FORMED BY DILUTING SUCH SYRUP.
Claims use since Oct. 30, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 502,866. AIR LANES, INC., Portland, Maine. Original filed, act of 1905, May 28, 1946; amended to application under act of 1946, Principal Register, Mar. 9, 1948.



Applicant disclaims the word "Lobster," and the representation of a lobster and the outline of the State of Maine apart from the mark as shown.
FOR LIVE LOBSTERS AND FRESH LOBSTER MEATS.
Claims use since May 22, 1946.

Ser. No. 506,021. WM. H. FLOYD, doing business as Wm. H. Floyd & Co., Los Angeles and Corning, Calif. Original filed, act of 1905, July 22, 1946; amended to application under act of 1946, Principal Register, Sept. 9, 1947.

Santa Oliva

No claim is made to the word "Oliva" apart from the mark as shown.
FOR CANNED RIPE OLIVES.
Claims use since July 11, 1946.

Ser. No. 526,206. DEUEL & DEUEL, doing business as Del Rio Orchards, Medford, Oreg. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Nov. 28, 1947.

DEL RIO

FOR FRESH DECIDUOUS FRUITS.
Claims use since 1906.

Ser. No. 526,791. CHURCH & DWIGHT CO., INC., New York, N. Y. Filed July 5, 1947.

SWAN BRAND

The word "Brand" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 76,711, 385,190, and 385,484.
FOR BAKING SODA (BICARBONATE OF SODA), FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since 1901.

Ser. No. 529,873. CHURCHILL, INC., Miami, Fla. Filed July 29, 1947. (Sec. 2f.)



The drawing is lined for shading only.
FOR COFFEE.
Claims use since July 15, 1936.

Ser. No. 531,018. THE CITY BAKING COMPANY, doing business as Rice's Bakery, Baltimore, Md. Filed Aug. 11, 1947. (Sec. 2f.)

RICE'S

FOR BAKERY PRODUCTS — NAMELY, BREAD, ROLLS, BUNS, DOUGHNUTS, PIES, AND CAKES.
Claims use since 1868.

Ser. No. 531,891. COLO-FLAVOR PRODUCTS, INC., Palisade, Colo. Filed Aug. 20, 1947.

Colo-Mesa

Applicant claims ownership of Registration No. 409,468.
FOR CANNED FRUITS.
Claims use since May 11, 1943.

Ser. No. 531,982. ARMOUR AND COMPANY, doing business as De Sota Creamery & Produce Co., Chicago, Ill. Filed Aug. 21, 1947. (Sec. 2f.)

DeSoto

FOR BUTTER, FRESH EGGS, FROZEN AND DRESSED POULTRY.
Claims use since 1930.

Ser. No. 532,114. BLUE BANNER FOODS, Kent, Wash. Filed Aug. 22, 1947.

BLUE BANNER

FOR MAYONNAISE.
Claims use since July 22, 1947.

Ser. No. 532,477. THE MISSOURI CONFERENCE ASSOCIATION OF THE SEVENTH DAY ADVENTISTS, also doing business as Sunnydale Farm Foods, Kansas City and Centralia, Mo. Filed Aug. 26, 1947.

Sunnydale

FOR CANNED FOOD, USED AS A MEAT SUBSTITUTE, AND CONSISTING OF WHEAT GLUTEN, EXTRACT OF YEAST AND VEGETABLES, AND OTHER INGREDIENTS.
Claims use since Dec. 30, 1946.

Ser. No. 532,588. GRIFFIN CRAFT, Sheffield, Ala. Filed Aug. 27, 1947. (Sec. 2f.)

CRAFT'S

Applicant claims ownership of Registration No. 424,117.
FOR TABLE SYRUP.
Claims use since 1930.

Ser. No. 532,597. GEORGE F. JOSEPH, doing business as George F. Joseph Co., Yakima, Wash. Filed Aug. 27, 1947.

don't worry

FOR FRESH APPLES, FRESH PEARS, FRESH CHERRIES, FRESH PEACHES, AND FRESH PRUNES.
Claims use since Oct. 1, 1934.

Ser. No. 534,236. BIG STONE CANNING CO., Ortonville, Minn. Filed Sept. 12, 1947.

KING KORN

The word "Korn" is disclaimed.
FOR CANNED SWEET CORN, WHOLE KERNEL CORN, CREAM STYLE CORN.
Claims use since May 15, 1941.

Ser. No. 534,992. LOUIS BURK, INCORPORATED, Philadelphia, Pa. Filed Sept. 19, 1947. (Sec. 2f. as to "Burk's.")

PURE FOOD Burk's PRODUCTS
FAMOUS FOR Quality

No claim is made to the words "Pure Food Products" and "Famous for Quality" apart from the mark as shown.
Applicant claims ownership of Registrations Nos. 96,938 and 230,488.
FOR MEAT PRODUCTS—NAMELY, BACON, SALAMI, LIVERWURST, PORK SAUSAGE, BEEF AND PORK LUNCHEON SAUSAGE, POLISH SAUSAGE, FRANKFURTERS, SMOKED SAUSAGES, AND SCRAPPLE.
Claims use since 1879 as to "Burk's"; and since Aug. 1, 1945, as to the mark as shown.

Ser. No. 535,405. FARMERS NUT CORPORATION, Suffolk, Va. Filed Sept. 23 1947.



FARMERS

"THE BEST IN THE FIELD"

No exclusive claim is made to the words "The Best in the Field" apart from the mark as shown.
FOR FRESH SALTED PEANUTS.
Claims use since July 1, 1947.

Ser. No. 535,513. FENN BROS., INC., Sioux Falls, S. Dak. Filed Sept. 24, 1947.

Walnut Crush

The word "Walnut" is disclaimed. Applicant claims ownership of Registration No. 186,881.
FOR CHOCOLATE COVERED NOUGAT BAR TYPE OF CANDY.
Claims use since January 1921.

Ser. No. 537,048. KING KONE CORPORATION, New York, N. Y. Filed Oct. 7, 1947.

Old London

Applicant claims ownership of Registrations Nos. 368,392, 383,542, and 417,342.
FOR CHEESE FLAVORED SNACKS OR CRACKERS, CHEESE SANDWICHES, PEANUT BUTTER SANDWICHES, AND MELBA TOAST.
Claims use since February 1938.

Ser. No. 537,338. MORGAN CITY PACKING COMPANY, Houma, La. Filed Oct. 9, 1947.

HO-MA

FOR FROZEN FISH SEAFOODS—NAMELY, SHRIMP, OYSTERS.
Claims use since Jan. 1, 1939.

Ser. No. 540,147. ARMOUR & COMPANY, Chicago, Ill. Filed Nov. 5, 1947. (Sec. 2f.)

DEXTER

FOR BACON.
Claims use since 1911.

Ser. No. 540,715. PUENTE MUTUAL CITRUS ASSOCIATION, Puente, Calif. Filed Nov. 10, 1947.

Puente BELL

Exclusive right to the use of the word "Puente" apart from the mark shown is not claimed.
FOR FRESH CITRUS FRUITS.
Claims use since 1931.

Ser. No. 541,180. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Nov. 14, 1947.

IT

FOR CORN FLAKES.
Claims use since Sept. 30, 1947.

Ser. No. 542,528. BOOTH FISHERIES CORPORATION, Chicago, Ill. Filed Nov. 28, 1947.

BLACK DIAMOND

Applicant claims ownership of Registrations Nos. 71,488, 221,713, and 110,393.
FOR CANNED SALMON.
Claims use since 1878.

Ser. No. 543,295. HILL & LEEMON, Bellingham, Wash. Filed Dec. 4, 1947.

SIP-O-SEA

No claim is made to the word "Sea" apart from the mark as shown.
FOR FOOD PREPARATION FOR USE AS AN APPETIZER, COCKTAIL AND COCKTAIL SAUCE COMPOSED OF TOMATO PUREE, CRAB MEAT, ANCHOVIES, SPICES, AND CONDIMENTS.
Claims use since Sept. 19, 1947.

Ser. No. 543,937. KERR CONSERVING COMPANY, Portland, Oreg. Filed Dec. 10, 1947. (Sec. 2f.)

KERR'S

FOR JELLIES, FRUIT PRESERVES, APPLE BUTTER, CANNED TABLE SYRUPS, BLACK RASPBERRY JAM, CANNED MINCE MEAT, VEGETABLE RELISH, AND PICKLES.
Claims use since 1905.

Ser. No. 544,208. SCHINDLER'S PEANUT PRODUCTS, INC., Washington, D. C., and Baltimore, Md. Filed Dec. 12, 1947.

Wantmor

Applicant claimes ownership of Registrations Nos. 224,741 and 347,477.
FOR PEANUT BUTTER AND CHEESE PEANUT BUTTER SANDWICHES.
Claims use since Aug. 1, 1924.

Ser. No. 544,854. THE COOK COFFEE COMPANY, Cleveland, Ohio. Filed Dec. 19, 1947. (Sec. 2f.)

COOK'S
Delicious Hotel
COFFEE

The words "Delicious Hotel Coffee" are disclaimed. Applicant claims ownership of Registrations Nos. 309,904 and 262,763.
FOR COFFEE.
Claims use since July 1927.

Ser. No. 548,227. THE A. Q. POULTRY FARMS, Springdale, Ark. Filed Jan. 29, 1948.



The outline representation of the State of Arkansas and the word "Brand" are disclaimed apart from the mark as shown.
FOR FRESH DRESSED POULTRY AND FROZEN AND FRIED POULTRY.
Claims use since February 1946.

Ser. No. 548,511. LOOKOUT OIL AND REFINING COMPANY, Chattanooga, Tenn. Filed Jan. 31, 1948.

Hydro-sweet

The word "Sweet" is disclaimed apart from the mark as shown.
FOR VEGETABLE SHORTENING.
Claims use since 1930.

Ser. No. 549,553. KING MILLING COMPANY, Lowell, Mich. Filed Feb. 12, 1948.



FOR POULTRY FEEDS—NAMELY, BRAN, MIDDLINGS, EGG MASH, CHICK FEED, DEVELOPER FEED, CHICK STARTING MASH, GROWING MASH, SCRATCH FEEDS, BROILER RATION, POULTRY CONCENTRATE, EGG AND BREEDER MASH AND TURKEY MASH; DAIRY FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE CORN MEAL, WHEAT MIDDLINGS AND MISCELLANEOUS MEALS; PIG FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE CORN MEAL, WHEAT MIDDLINGS, MISCELLANEOUS MEALS AND MEAT SCRAPS; AND HOG SUPPLEMENT, THE PRINCIPAL INGREDIENTS OF WHICH ARE MISCELLANEOUS MEALS AND MEAT SCRAPS.
Claims use since Sept. 10, 1923.

Ser. No. 551,474. POPICH & JURISICH, New Orleans, La. Filed Mar. 8, 1948.



Applicant disclaims the representation of the oyster shell and the word "Brand" except in combination with the trade-mark as shown.
FOR CANNED FRESH OYSTERS, FROZEN OYSTERS, OYSTERS IN THE SHELL AND SHUCKED OYSTERS.
Claims use since September 1935.

Ser. No. 552,814. MORRIS STEIN, doing business as Fruit Flavors Company, New Rochelle, N. Y. Filed Mar. 23, 1948.

Maple Belle

The word "Maple" is disclaimed apart from the mark as shown.
FOR FLAVORING EXTRACTS USED IN THE PREPARATION OF FOODS.
Claims use since Jan. 26, 1948.

Ser. No. 553,231. WILBUR-ELLIS COMPANY, San Francisco, Calif. Filed Mar. 27, 1948.

STAR of PERU

Applicant disclaims the geographical expression "of Peru" apart from the mark as shown.
FOR CANNED FISH.
Claims use since Feb. 6, 1948.

Ser. No. 556,560. H. D. CONNER, Peoria, Ariz. Filed May 8, 1948. (Sec. 2f.)

CONNER
CHC

Applicant claims ownership of Registration No. 407,291.
FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since June 1942.

Ser. No. 560,882. WILLIAM GERICHT CO., Baltimore, Md. Filed July 8, 1948. (Sec. 2f.)

SPRING GARDEN

Applicant claims ownership of Registration No. 196,125.
FOR CANNED VEGETABLES, FROZEN FRUITS—NAMELY, PEACHES, STRAWBERRIES, AND RASPBERRIES, CANNED APPLESAUCE, APPLE BUTTER, AND CANNED TOMATO JUICE.
Claims use since September 1898.

Ser. No. 562,622. ALAMO CITRUS ASSOCIATION, Alamo, Tex. Filed Aug. 2, 1948. (Sec. 2f.)

Seon

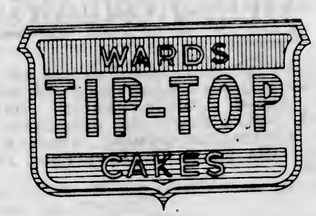
Applicant claims ownership of Registration No. 404,039.
FOR FRESH CITRUS FRUIT.
Claims use since January 1938.

Ser. No. 564,414. WARD BAKING COMPANY, New York, N. Y. Filed Aug. 30, 1948.



The drawing is lined to illustrate the vari-colored effect, the particular colors being red and blue. No claim is made to the exclusive right to the use of the words "Restaurant" and "Bread" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 49,697, 91,625, 103,742, 104,162, 115,706, 180,775, 189,002, 249,813, and 269,936.
FOR BREAD.
Claims use since April 1945 as shown; and since May 23, 1924, as to the shield configuration, together with the colored bands.

Ser. No. 564,416. WARD BAKING COMPANY, New York, N. Y. Filed Aug. 30, 1948. (Sec. 2f as to "Wards.")



The drawing is lined to illustrate the vari-colored effect, the particular colors being red and blue. No claim is made to the exclusive right to the use of the word "Cakes" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 49,697, 91,625, 103,742, 104,162, 115,706, 180,775, 189,002, 249,813, and 269,936.
FOR CAKE.
Claims use since January 1943 as shown; and since May 23, 1924, as to the shield configuration, together with the colored bands.

Ser. No. 564,492. THE WHISTLING OYSTER, Ogunquit, Maine. Filed Aug. 31, 1948.

The Whistling Oyster

Applicant claims ownership of Registrations Nos. 388,991 and 516,316.
FOR PASTRIES, BREADS, TEAS, SPICES, AND CANDIES.
Claims use since June 20, 1932.

Ser. No. 564,627. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Filed Sept. 3, 1948.

BOUQUET

FOR FRESH MEAT FOR HUMAN CONSUMPTION—NAMELY, BEEF, VEAL, AND LAMB CARCASSES AND CUTS.
Claims use since May 21, 1948.

Ser. No. 564,775. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif. Filed Sept. 7, 1948.

HIGHLAND HOLLY

Exclusive right to the use of "Highland" apart from the mark shown is not claimed.
FOR FRESH CITRUS FRUITS.
Claims use since 1931.

Ser. No. 565,277. MANNIELLO BROS. & MAYRSOHN, INC., New York, N. Y. Filed Sept. 16, 1948.

Lucrativa

The drawing is lined for shading purposes only. Applicant claims ownership of Registration No. 251,268.
FOR FRESH FRUITS—NAMELY, MANGOES, MELONS (HONEY DEW), AND PINEAPPLES; AND FRESH VEGETABLES—NAMELY, LETTUCE, EGGPLANTS, LIMA BEANS, OKRA, PEPPERS, AND TOMATOES.
Claims use since April 1927.

Ser. No. 565,497. SANTA ANA-TUSTIN MUTUAL CITRUS ASSOCIATION, Tustin, Calif. Filed Sept. 20, 1948.

JESTER

FOR FRESH CITRUS FRUITS.
Claims use since 1940.

Ser. No. 565,617. H. S. FROMME & CO., INC., New York, N. Y. Filed Sept. 22, 1948.

Caffe' VIVO

The drawing is lined to indicate shading. No exclusive claim is made of the word "Caffe" apart from the mark as shown.
FOR COFFEE.
Claims use since Mar. 22, 1948.

Ser. No. 567,612. WELCO FEED MFG. CO., INC., Spencer, Iowa. Filed Oct. 25, 1948.

WELCO

FOR LIVESTOCK FEED COMPOSED OF MOLASSES, COTTON SEED OIL MEAL, LINSEED OIL MEAL, SOYA BEAN OIL MEAL, ALFALFA MEAL, UREA, GROUND GRAIN SCREENINGS OF OATS, WHEAT AND FLAX, SOFT PHOSPHATE WITH COLLOIDAL CLAY, ANISE OIL, POTASSIUM IODIDE, LIMESTONE, AND SALT.
Claims use since Aug. 1, 1942.

Ser. No. 568,377. KING KELLY MARMALADE COMPANY, INC., Bellflower, Calif. Filed Nov. 8, 1948. (Sec. 2f.)

KING KELLY

Applicant claims ownership of Registration No. 252,851.
FOR ORANGE MARMALADE AND CANDY.
Claims use since Feb. 18, 1925.

Ser. No. 568,620. THE HUMKO COMPANY, Memphis, Tenn. Filed Nov. 12, 1948.

Marvo

FOR PURE VEGETABLE SHORTENING MADE FROM HYDROGENATED VEGETABLE OIL.
Claims use since Jan. 19, 1940.

Ser. No. 568,701. S. CARL WOLFSKILL, doing business as York County Farms, Hanover, Pa. Filed Nov. 12, 1948.

Dutch Treat Eggs

The word "Eggs" is disclaimed.
FOR FRESH EGGS.
Claims use since June 23, 1948.

Ser. No. 569,199. GRIGGS CANNING COMPANY, Natalia, Tex. Filed Nov. 22, 1948. (Sec. 2f.)

MEDINA

Applicant claims ownership of Registration No. 366,147.
FOR CANNED VEGETABLES.
Claims use since Jan. 1, 1930.

Ser. No. 569,219. RANGER SEAFOOD, INC., Buena Park, Calif. Filed Nov. 22, 1948.

SEA REIGN

No claim is made to the word "Sea."
FOR CANNED FISH.
Claims use since Oct. 13, 1948.

Ser. No. 569,705. JOE LOWE CORPORATION, New York, N. Y. Filed Dec. 1, 1948.

Dutch Cupboard

Applicant disclaims the word "Dutch" separate and apart from the mark shown.
FOR PREPARED DOUGHNUT FLOUR AND CRULLERS.
Claims use since Sept. 1, 1948.

Ser. No. 569,900. JAMES P. SPOTO, doing business under the name and style of Northwestern Canning & Packing Co., Seffner, Fla. Filed Dec. 3, 1948.



The girl depicted in the drawing is purely fanciful. The drawing is lined for shading only.
FOR CANNED SOUP.
Claims use since Sept. 18, 1947.

Ser. No. 570,394. TUSTIN HILLS CITRUS ASSOCIATION, Tustin, Calif. Filed Dec. 11, 1948.

VERNON HOME

FOR FRESH CITRUS FRUITS.
Claims use since 1930.

Ser. No. 570,879. HAROLD M. PARKS, Seattle, Wash. Filed Dec. 20, 1948.

SNO-TIME

FOR CANNED SALMON.
Claims use since Sept. 28, 1948.

Ser. No. 570,880. HAROLD M. PARKS, Seattle, Wash. Filed Dec. 20, 1948.

SNO-TIP

FOR CANNED SALMON.
Claims use since Sept. 23, 1948.

Ser. No. 571,052. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 23, 1948.

IMISAL

FOR A SALT USED AS A DIETARY SUBSTITUTE FOR TABLE SALT.
Claims use since Dec. 7, 1948.

Ser. No. 572,172. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Jan. 14, 1949.

Entrée

Applicant claims ownership of Registration No. 204,015.
FOR CANNED SARDINES AND CANNED KIPPERED HERRINGS.
Claims use since Dec. 15, 1924, on sardines; and since 1925 on kippered herrings.

Ser. No. 587,157. BAUMER FOODS, INC., New Orleans, La. Filed Oct. 12, 1949.

Crystal

FOR PREPARED MUSTARD.
Claims use since January 1919.

CLASS 47

WINES

Ser. No. 570,276. SHENLEY DISTILLERS CORPORATION, doing business as Roma Wine Company, New York, N. Y. Filed Dec. 9, 1948.

PRIDE OF THE Vineyard

Applicant claims ownership of Registration No. 328,375.
FOR WINES.
Claims use since Aug. 10, 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 560,535. N. V. BROUWERIJ D'ORANJEBOOM, Rotterdam, Holland. Filed July 1, 1948.

Applicant claims ownership of Dutch Registration No. 504, dated Mar. 18, 1882.
FOR LAGER BEER, PILSNER BEER, MUNCHENER BEER, AND STOUT.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 568,075. SCHENLEY DISTILLERS CORPORATION, New York, N. Y. Filed Nov. 2, 1948.

CORONET

Applicant claims ownership of Registration No. 234,589.
FOR BRANDY.
Claims use since Dec. 23, 1938.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 536,324. WEBSTER MANUFACTURING CO., New York, N. Y. Filed Sept. 30, 1947.

PATINA HAND MADE

The words "Hand Made" are disclaimed. The stippling shown on the drawing is for shading.
FOR MANNEQUINS AND PARTS THEREOF, INCLUDING HEADS, TORSOS, AND PARTS THEREOF, ARMS, HANDS, LEGS, AND FEET MADE OF OR PREDOMINANTLY OF PAPIER MACHE AND USED FOR THE DISPLAY OF MERCHANDISE.
Claims use since Feb. 15, 1946.

Ser. No. 548,239. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Jan. 29, 1948. (Sec. 2f.)

CRAWFORD

FOR CANVAS COVERS, TARPAULINS, AND AWNINGS.
Claims use since January 1934.

Ser. No. 549,071. HEIRLOOMS OF TOMORROW, Manhattan Beach, Calif. Filed Feb. 7, 1948.

HEIRLOOMS of TOMORROW B B

The words "Heirlooms of Tomorrow" are disclaimed apart from the mark, as shown.
FOR PORCELAIN FIGURINES.
Claims use since Feb. 6, 1946.

Ser. No. 569,391. MOULTON LADDER MANUFACTURING CO., Somerville, Mass. Filed Nov. 24, 1948.

M

FOR EXTENSION LADDERS.
Claims use since Jan. 1, 1948.

Ser. No. 573,474. DETTRA FLAG COMPANY, INC., Oaks, Pa. Filed Feb. 8, 1949. (Sec. 2f.)

EVERWEAR

FOR FLAGS.
Claims use since 1920.

Ser. No. 573,663. MAGNANI STATUARY COMPANY, New York, N. Y. Filed Feb. 10, 1949.

Contouriers

FOR MANNIKINS AND PARTS THEREOF—NAMELY, HEADS, FACES, NECKS, TORSOS, HANDS, ARMS, PALMS, FEET, THIGHS, LEGS, FINGERS, AND TOES.
Claims use since Sept. 1, 1948.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 510,996. THE BARBASOL COMPANY, Indianapolis, Ind. Original filed, act of 1905, Oct. 17, 1946; amended to application under act of 1946, Principal Register, July 17, 1947.

"Athletic Aroma"

No claim is made to the exclusive use of the word "Aroma" apart from the mark shown.
FOR DEODORANT AND PERSPIRATION PREVENTIVE.
Claims use since Oct. 3, 1946.

Ser. No. 533,862. LADY ESTHER, LTD., Chicago, Ill. Filed Sept. 9, 1947.

BRIDAL PINK

The word "Pink" is disclaimed.
FOR FACE POWDERS, ROUGE, AND LIPSTICK.
Claims use since Jan. 2, 1945.

Ser. No. 533,863. LADY ESTHER, LTD., Chicago, Ill. Filed Sept. 9, 1947.

COY SIREN

FOR LIPSTICK.
Claims use since Aug. 23, 1947.

Ser. No. 546,080. GUICHARD-PERRACHON & CIE., ETABLISSEMENTS ECONOMIQUES DU CASINO, St. Etienne (Loire), France. Filed Dec. 30, 1947.

LOUISY

Applicant claims ownership of French Registration No. 3,833, dated Jan. 22, 1923.
FOR PERFUMES, FACE POWDER, MASCARA, ROUGE, BATH SALTS, TOILET POWDERS, HAIR SHAMPOO HAVING A BASE OF OIL OR OTHER CHEMICAL OTHER THAN SOAP, COLOGNE, COLD CREAM, DENTIFRICES, TALCUM POWDER, TOILET WATER, SKIN CREAM, LIPSTICK, LOTION FOR THE SKIN NAIL ENAMEL, HAIR OIL, AND NAIL POLISHES.

Ser. No. 549,869. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Feb. 17, 1948.

SUN GOLD

FOR LIQUID LEG COATING, LIPSTICK AND NAIL POLISH.
Claims use since Jan. 20, 1948.

Ser. No. 568,110. LES PARFUMS WORTH DE PARIS, INC., New York, N. Y. Filed Nov. 3, 1948.

DANS LA NUIT

Applicant claims ownership of Registration No. 174,822.
FOR PERFUMES.
Claims use since Dec. 3, 1920.

Ser. No. 571,127. EVER-DRY CORPORATION, Los Angeles, Calif., and Carson City, Nev. Filed Dec. 27, 1948. (Sec. 2f.)

EVER -DRY

Applicant claims ownership of Registration No. 344,012.
FOR TOILET PREPARATIONS TO PREVENT EXCESSIVE PERSPIRATION.
Claims use since Sept. 6, 1929.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 546,080. GUICHARD-PERRACHON & CIE., ETABLISSEMENTS ECONOMIQUES DU CASINO, St. Etienne (Loire), France. Filed Dec. 30, 1947. (Classified in Class 51.)

LOUISY

Applicant claims ownership of French Registration No. 3,833, dated Jan. 22, 1923.
FOR PERFUMES, FACE POWDER, MASCARA, ROUGE, BATH SALTS, TOILET POWDERS, HAIR SHAMPOO HAVING A BASE OF OIL OR OTHER CHEMICAL OTHER THAN SOAP, COLOGNE, COLD CREAM, DENTIFRICES, TALCUM POWDER, TOILET WATER, SKIN CREAM, LIPSTICK, LOTION FOR THE SKIN NAIL ENAMEL, HAIR OIL, AND NAIL POLISHES.

Ser. No. 557,786. UNITED INTERNATIONAL RESEARCH, INC., Newark, N. J. Filed May 25, 1948.

UIR

The trade-mark is usually printed with the lightning bolt and the flame shown in red and the letters UIR shown in blue.
FOR SHAMPOOS, EMULSIFYING AGENTS, DYE STUFFS.
Claims use since spring of 1942.

Ser. No. 579,451. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 24, 1949.



The head of the woman shown in the drawing is fanciful. Applicant claims ownership of Registration No. 338,614.
FOR TOILET AND BATH SOAP.
Claims use since January 1946.

Ser. No. 587,305. CLAYTON MANUFACTURING COMPANY, El Monte, Calif. Filed Nov. 16, 1949. (Sec. 2f.)

KERRICK KOMPOUND

FOR CLEANING PREPARATION IN POWDERED FORM.
Claims use since November 1938.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 515,159. CROWN DRUG COMPANY, Kansas City, Mo. Original filed, act of 1905, Jan. 2, 1947; amended to application under act of 1946, Principal Register, Oct. 29, 1947.

EXEL

FOR PHOTO FINISHING CONSISTING OF DEVELOPING, PRINTING, ENLARGING, DUPLICATING, AND TINTING OF PHOTOGRAPHS.
Claims use since Sept. 9, 1946.

Ser. No. 569,729. THE WHITE TURKEY—MURRAY HILL, New York, N. Y. Filed Dec. 1, 1948.

Gobbler Bar

No claim is made for the word "Bar" apart from the mark as shown.
FOR PURVEYING OF FOOD, BEVERAGES, AND OTHER REFRESHMENTS TO TRAVELERS, WAYFARERS, AND THE GENERAL PUBLIC.
Claims use since Sept. 26, 1941.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 561,608. BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, San Francisco, Calif. Filed July 17, 1948.



The drawing is lined for the colors red and blue but color is not claimed as an essential feature of the mark.
FOR SAVINGS ACCOUNT SERVICES.
Claims use since June 1, 1948.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 572,859. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Jan. 26, 1949.

National

Applicant claims ownership of Registrations Nos. 53,129, 64,900, 133,291, 134,258, 136,876, 264,236, 264,237, 292,168, 298,405, 361,225, 386,968, 387,641, 387,642, 388,773, 389,068, 392,498, 392,505, 397,059, 401,680, 402,061, and 402,479.
FOR THE REPAIR AND MAINTENANCE OF CASH REGISTERS; CREDIT REGISTERS; AUTOGRAPHIC REGISTERS; ACCOUNTING MACHINES; CALCULATING AND COMPUTING MACHINES; COMBINED TYPEWRITING AND CALCULATING MACHINES; TICKET PRINTING AND ISSUING MACHINES; POSTAGE METERING MACHINES; ELECTRICAL CREDIT SYSTEMS, AND CREDIT FILING CABINETS.
Claims use since Jan. 1, 1894.

Ser. No. 572,860. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Jan. 26, 1949.

National

Applicant claims ownership of Registrations Nos. 53,129, 64,900, 133,291, 134,258, 136,876, 264,236, 264,237, 292,168, 298,405, 361,225, 366,402, 366,403, 366,464, 366,465, 366,552, 366,567, 367,442, 377,183, 377,184, 386,968, 387,641, 387,642, 388,773, 389,068, 392,498, 392,505, 397,059, 401,680, 402,061, 402,062, and 402,479.
FOR THE REPAIR AND MAINTENANCE OF CASH REGISTERS; CREDIT REGISTERS; AUTOGRAPHIC REGISTERS; ACCOUNTING MACHINES; CALCULATING AND COMPUTING MACHINES; COMBINED TYPEWRITING AND CALCULATING MACHINES; TICKET PRINTING AND ISSUING MACHINES; POSTAGE METERING MACHINES; ELECTRICAL CREDIT SYSTEMS, AND CREDIT FILING CABINETS.
Claims use since Feb. 11, 1941.

Ser. No. 572,861. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Jan. 26, 1949.

National

Applicant claims ownership of Registrations Nos. 53,129, 64,900, 133,291, 134,258, 136,876, 264,236, 264,237, 292,168, 298,405, 361,225, 386,968, 387,641, 387,642, 388,773, 389,068, 392,498, 392,505, 397,059, 401,680, 402,061, and 402,479.
FOR THE REPAIR AND MAINTENANCE OF CASH REGISTERS; CREDIT REGISTERS; AUTOGRAPHIC REGISTERS; ACCOUNTING MACHINES; CALCULATING AND COMPUTING MACHINES; COMBINED TYPEWRITING AND CALCULATING MACHINES; TICKET PRINTING AND ISSUING MACHINES; POSTAGE METERING MACHINES; ELECTRICAL CREDIT SYSTEMS, AND CREDIT FILING CABINETS.
Claims use since January 1892.

CLASS 104

COMMUNICATION

Ser. No. 541,095. CROSLEY BROADCASTING CORPORATION, Cincinnati, Ohio. Filed Nov. 14, 1947.

BOONE COUNTY JAMBOREE

Applicant disclaims the word "Jamboree" apart from the mark.
FOR RADIO PROGRAM BROADCASTING.
Claims use since Sept. 16, 1938.

Ser. No. 541,096. CROSLEY BROADCASTING CORPORATION, Cincinnati, Ohio. Filed Nov. 14, 1947.

MIDWESTERN HAYRIDE

The word "Midwestern" is disclaimed.
FOR RADIO PROGRAM BROADCASTING.
Claims use since Mar. 3, 1945.

Ser. No. 541,873. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y. Filed Nov. 20, 1947.

THE MARK COMPRISES THE MUSICAL NOTES G, E, C PLAYED ON CHIMES.

FOR BROADCASTING OF RADIO PROGRAMS.
Claims use since November 1927.

CLASS 106

MATERIAL TREATMENT

Ser. No. 554,634. THE UNITED STATES FINISHING COMPANY, Norwich, Conn. Filed Apr. 14, 1948.

VITALAST

Applicant claims ownership of Registrations Nos. 386,583 and 411,095.
FOR FINISHING OF TEXTILE FABRICS TO INCREASE WATER RESISTANCE AND FOR IMPARTING BODY TO THE GOODS AND A STARCHLESS FIRM STARCHED-TYPE FINISH.
Claims use since Nov. 18, 1940.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,677. NEUROSPASMODIC. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, now by change of name, Ciba Limited.
Filed June 21, 1945, Serial No. 484,857. Published Oct. 4, 1949. Class 18.

443,678. ELECTRONIC SPEED CONTROL DEVICES FOR DIRECT CURRENT MOTORS WHICH ARE ADAPTED FOR CONNECTION INTO THE ARMATURE CIRCUIT OF THE MOTOR TO VARY THE VOLTAGE SUPPLY THERETO. G. B. LINDERMAN CORPORATION, Hagerstown, Md.
Filed Dec. 12, 1945, Serial No. 493,134. Published Oct. 18, 1949. Class 21.

443,679. RADIO RECEIVING SETS AND PARTS THEREOF. HUDSON AMERICAN CORPORATION, New York, N. Y., assignor to Jewel Radio Corporation, New York, N. Y., a corporation of New York.
Filed Jan. 11, 1946, Serial No. 494,607. Published June 1, 1948. Class 21.

443,680. INSTRUMENTS AND APPARATUS FOR INDICATING OR MEASURING THE FLOW OF GASES OR LIQUIDS, ETC. LONDEX LIMITED, London, England.
Filed Mar. 6, 1946, Serial No. 497,728. Published Sept. 13, 1949. Class 26.

443,681. ANTI-FREEZE FLUID. INDUSTRIAL OIL CORPORATION, Warren, Pa.
Filed June 20, 1946, Serial No. 504,276. Published Sept. 27, 1949. Class 6.

443,682. LINIMENT FOR EXTERNAL USE ONLY. ALBERT PHILIP PROULX, Manchester, N. H.
Filed Oct. 25, 1946, Serial No. 511,500. Published Oct. 25, 1949. Class 18.

443,683. SPECIAL READY-MIXED PAINT FOR WALLS AND CEILINGS. EDWIN CHARLES CARBERRY, doing business as Carberry Chemical Company, Pawtucket, R. I.
Filed Oct. 29, 1946, Serial No. 511,672. Published Oct. 11, 1949. Class 16.

443,684. ELECTRICALLY OPERATED WARNING HORNS FOR AUTOMOBILES. COMPAGNIE INDUSTRIELLE & COMMERCIALE DU CYCLE DE L'AUTOMOBILE, Les-Lilas (Seine), France.
Filed Nov. 8, 1946, Serial No. 512,244. Published Oct. 4, 1949. Class 21.

443,685. PRINTED ILLUSTRATIONS, PICTURES, DRAWINGS AND CARTOONS PUBLISHED PERIODICALLY AND FROM TIME TO TIME. LEWIS PAUL KOHRS, doing business as The Lewis Kohrs Company, Berkeley, Calif.
Filed Nov. 18, 1946, Serial No. 512,782. Published Oct. 18, 1949. Class 38.

443,686. SCIENTIFIC LABORATORY APPARATUS—NAMELY, (A) A FRACTIONATION COLUMN ASSEMBLY USED FOR THE COMPLETE FRACTIONATION OF LIQUID MIXTURES EITHER AT ATMOSPHERIC PRESSURE OR UNDER VACUUM, ETC. FLOYD TODD, doing business as Todd Scientific Company, Springfield, Pa.
Filed Nov. 26, 1946, Serial No. 513,278. Published Sept. 13, 1949. Class 26.

443,687. TEXTILE BABY DIAPERS, WATERPROOFED TEXTILE DIAPER HOLDERS, DISPOSABLE DIAPER PADS, AND DIAPER PADS. CHICOPEE SALES CORPORATION, New York, N. Y., now by change of name Chicopee Mills, Inc., a corporation of New York.
Filed Nov. 27, 1946, Serial No. 513,295. Published Oct. 4, 1949. Class 39.

443,688. TOILET WATER. COUNT DORELIS, LTD., New York, N. Y.
Filed Nov. 29, 1946, Serial No. 513,389. Published Oct. 4, 1949. Class 51.

443,689. MONTHLY PERIODICAL. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif.
Filed Jan. 7, 1947, Serial No. 515,359. Published Oct. 4, 1949. Class 38.

443,690. BICYCLES AND MOTOR CYCLES. FABBRICA AUTOMOBILI E VELOCIPEDI EDOARDO BIANCHI, Milan, Italy
Filed Jan. 18, 1947, Serial No. 515,947. Published Oct. 11, 1949. Class 19.

443,691. GREETING CARDS AND PRINTED GREETING FOLDERS. NORCROSS, INC., New York, N. Y.
Filed Mar. 13, 1947, Serial No. 518,967. Published Oct. 18, 1949. Class 38.

443,692. BILLBOARD POSTERS. FOSTER AND KLEISER COMPANY, San Francisco, Calif.
Filed Apr. 12, 1947, Serial No. 520,551. Published Oct. 18, 1949. Class 38.

443,693. AUTOMOBILE FLOOR COVERS AND RUNNING BOARD COVERS, AUTOMOBILE RADIATOR COVERS, ETC. THE LEHON COMPANY, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,731. Published Oct. 11, 1949. Class 19.

443,694. BARBECUE SOY SAUCE. RALPH N. TAKAKI, doing business as Takaki Sanyo-Do, Honolulu, Territory of Hawaii.
Filed June 18, 1947, Serial No. 524,429. Published Oct. 4, 1949. Class 46.

443,695. MONTHLY MAGAZINE. INTERNATIONAL ASSOCIATION, HIGH TWELVE CLUBS, St. Louis, Mo.
Filed July 4, 1947, Serial No. 526,236. Published Oct. 18, 1949. Class 38.

ACT OF 1946, PRINCIPAL REGISTER

519,841. NAIL POLISH AND LIPSTICK. ASSOCIATED PRODUCTS, INC., Chicago, Ill., by change of name from Associated Distributors, Inc., assignor to Chen Yu, Inc., New York, N. Y., a corporation of New York.
Original filed, act of 1905, Nov. 17, 1944; amended to application under act of 1946, Principal Register, Dec. 22, 1947, Serial No. 476,544. Published Sept. 27, 1949. Class 51.

519,842. READY MIXED WATER SHOW CARD COLOR. DELTA COLOR CORPORATION, New York, N. Y.
Original filed, act of 1905, Feb. 19, 1946; amended to application under act of 1946, Principal Register, July 30, 1947, Serial No. 496,897. Published Oct. 11, 1949. Class 16.

519,843. COOKIES. F. M. FOOD PRODUCTS COMPANY, Milwaukee, Wis., assignor to Kiddie Kookies Co., Fairwater, Wis., a corporation of Wisconsin.
Original filed, act of 1905, Feb. 28, 1946; amended to application under act of 1946, Principal Register, Nov. 28, 1947, Serial No. 497,383. Published Oct. 11, 1949. Class 46.

519,844. COMMODITY AND MERCHANDISING POUCHES AND BAGS FORMED OF PAPER, PARCHMENT, ETC. MILPRINT, INC., Milwaukee, Wis.
Original filed, act of 1905, June 13, 1946; amended to application under act of 1946, Principal Register, Aug. 19, 1947, Serial No. 503,822. Published Sept. 13, 1949. Class 2.

519,845. ELECTRICAL APPARATUS—NAMELY, SANDING MACHINES, FLOOR POLISHERS, EDGING MACHINES, AND PARTS THEREOF. THE CLARKE SANDING MACHINE COMPANY, Muskegon, Mich.
Original filed, act of 1905, Aug. 1, 1946; amended to application under act of 1946, Principal Register, Sept. 17, 1948, Serial No. 506,643. Published Oct. 11, 1949. Class 21.

519,846. CONSOLIDATED CERTIFICATE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
COTTON FABRICS IN THE PIECE, COATED WITH WAX, OIL, AND MILDEW-PROOF COMPOUNDS. Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 512,763. Published Mar. 29, 1949. Class 42.
TENTS, TARPAULINS, AND WATERPROOF FABRIC COVERS USED FOR PROTECTING MACHINERY AND VARIOUS ARTICLES. Original filed, act of 1905, Nov. 5, 1945; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 491,054. Published July 27, 1948. Class 50.

519,847. BOTTLE WASHING MACHINES, BOTTLE FILLING MACHINES AND PASTEURIZERS. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis.
Original filed, act of 1905, Dec. 13, 1946; amended to application under act of 1946, Principal Register, Jan. 14, 1948, Serial No. 514,212. Published Oct. 4, 1949. Class 23.

519,848. MAGAZINE. O. D. KEEP ASSOCIATES, INC., Los Angeles, Calif.
Original filed, act of 1905, Oct. 24, 1946; amended to application under act of 1946, Principal Register, Aug. 26, 1947, Serial No. 514,353. Published Oct. 18, 1949. Class 38.

519,849. ELECTRICAL MEASURING AND CONTROL INSTRUMENTS AND ELECTRICAL TEST EQUIPMENT, ETC. THE TRIPLETT ELECTRICAL INSTRUMENT COMPANY, Bluffton, Ohio.
Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Principal Register, July 18, 1947, Serial No. 518,738. Published Sept. 18, 1949. Class 26.

519,850. SUN GLASSES. BACHMANN BROS., INC., Philadelphia, Pa.
Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Supplemental Register, July 21, 1948; amended to Principal Register, May 9, 1949, Serial No. 519,166. Published Sept. 13, 1949. Class 26.

519,851. TWO-WAY RADIO COMMUNICATION SETS FOR USE WITH MOBILE UNITS. MOBILE COMMUNICATIONS COMPANY, Long Beach, Calif.
Original filed, act of 1905, Mar. 25, 1947; amended to application under act of 1946, Principal Register, Nov. 28, 1947, Serial No. 519,537. Published Mar. 1, 1949. Class 21.

519,852. RADIO-PHONOGRAPH COMBINATIONS AND ELECTRIC PHONOGRAPHS, AND PARTS THEREOF. SENTINEL RADIO CORPORATION, Evanston, Ill.
Original filed, act of 1905, Apr. 23, 1947; amended to application under act of 1946, Principal Register, Mar. 7, 1949, Serial No. 521,214. Published Oct. 11, 1949. Class 21.

519,853. FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, TANGERINES, LEMONS, AND LIMES. POLIS & HAGAN, Edinburg, Tex.
Original filed, act of 1905, Apr. 28, 1947; amended to application under act of 1946, Principal Register, Sept. 26, 1947, Serial No. 521,464. Published Aug. 17, 1948. Class 46.

519,854. BREAD, ROLLS, AND COFFEE CAKES. GORDON BAKING CO., Detroit, Mich.
Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Sept. 20, 1947, Serial No. 521,877. Published Oct. 4, 1949. Class 46.

519,855. PATTERNS AND INSTRUCTIONS FOR THE CONSTRUCTION OF FURNITURE, DOLL HOUSES, TOYS, AND THE LIKE. DONALD R. BRANN, Pleasantville, N. Y.
Original filed, act of 1905, May 9, 1947; amended to application under act of 1946, Principal Register, May 13, 1948, Serial No. 522,119. Published Sept. 13, 1949. Class 26.

519,856. TABLES, DESKS, BENCHES, AND CABINETS SPECIFICALLY DESIGNED AND CONSTRUCTED FOR LABORATORY AND SCIENTIFIC PURPOSES. LABORATORY FURNITURE COMPANY, INC., Long Island City, N. Y.
Original filed, act of 1905, May 16, 1947; amended to application under act of 1946, Principal Register, Apr. 29, 1949, Serial No. 522,506. Published Sept. 13, 1949. Class 26.

519,857. ELECTRICALLY OPERATED MOTORIZED VALVES, COMBINATION ELECTRICALLY OPERATED MOTORIZED VALVES AND ELECTRICAL TEMPERATURE CONTROLS THEREFOR, AND RELAYS WITH BUILT-IN TRANSFORMERS. BELL & GOSSETT COMPANY, Morton Grove, Ill.
Original filed, act of 1905, June 2, 1947; amended to application under act of 1946, Principal Register, Aug. 15, 1947, Serial No. 523,350. Published Oct. 11, 1949. Class 21.

519,858. BIRD FOOD AND PET SUPPLIES—NAMELY, BIRD BISCUIT, LOVE BIRD SEEDS, BIRD SEEDS, NESTLING FOOD, SONG FOOD, AND FISH FOOD. THE R. T. FRENCH COMPANY, Rochester, N. Y.
Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, June 18, 1948, Serial No. 524,451. Published Oct. 4, 1949. Class 46.

519,859. AUTOMOBILE SEAT COVERS AND CANVAS TOPS FOR CONVERTIBLE AUTOMOBILES. AUTO TRUNK DISTRIBUTORS, INC., Brooklyn, N. Y.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Nov. 10, 1948, Serial No. 525,280. Published Oct. 11, 1949. Class 19.

519,860. CANNED OYSTERS. MCPHILLIPS PACKING CORPORATION, Bayou La Batre, Ala.
Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, July 6, 1948, Serial No. 525,638. Published Oct. 11, 1949. Class 46.

519,861. EMULSIFIED COMPOSITION RESEMBLING PAINT FOR COATING CLOTH TO MAKE A PRODUCT RESEMBLING OILCLOTH. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed July 5, 1947, Serial No. 526,563. Published Oct. 11, 1949. Class 16.

519,862. FAT BACK PORK. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,944. Published Oct. 11, 1949. Class 46.

519,863. ELECTRICAL LINE CONSTRUCTION SUPPLIES—NAMELY, FUSE AND SWITCH PULLERS, FUSES, ETC. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,131. Published Mar. 15, 1949. Class 21.

519,864. NUTRITIONAL SUPPLEMENT COMPOSED OF DEFATTED, DEHYDRATED WHEAT EMBRYO, MALT AND DEXTROSE, AND A BROTH POWDER MADE OF VEGETABLE CONCENTRATES AND OTHER INGREDIENTS. VITAMINERALS, INC., Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,632. Published Oct. 4, 1949. Class 46.

519,865. DIESEL NOZZLE TESTER—NAMELY, A HYDRAULIC APPARATUS FOR TESTING THE NOZZLES THROUGH WHICH FUEL IS INJECTED INTO DIESEL ENGINES. THE BUDA COMPANY, Harvey, Ill.
Filed July 5, 1947, Serial No. 527,753. Published Sept. 13, 1949. Class 26.

519,866. COMPOSITION FOR GENERAL USE AS A DISINFECTANT, DEODORANT, MOLD AND SLIME RETARDANT AND GERMICIDE, FOR SANITARY PURPOSES. FRONTIER PRODUCTS COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,761. Published Apr. 26, 1949. Class 6.

519,867. THERMOSTATIC SWITCHES FOR CONTROLLING HEATING OR COOLING EQUIPMENT. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed July 5, 1947, Serial No. 527,763. Published Sept. 13, 1949. Class 26.

519,868. COMBINED THERMOMETER AND THERMOSTATIC CONTROL UNIT FOR VALVES OR OTHER DEVICES. MINNEAPOLIS-HONEYWELL, REGULATOR COMPANY, Minneapolis, Minn.
Filed July 5, 1947, Serial No. 527,815. Published Sept. 13, 1949. Class 26.

519,869. SUGAR. HOLLY SUGAR CORPORATION, Colorado Springs, Colo.
Filed July 7, 1947, Serial No. 528,098. Published Oct. 11, 1949. Class 46.

519,870. FRANKFURTS, BEEF SAUSAGE, PORK SAUSAGE, BEEF AND PORK SAUSAGE, MEAT LOAF, SALAMI, BOLOGNA, AND LIVER PUDDING. NEW ENGLAND PROVISION CO., INC., Boston, Mass.
Filed July 8, 1947, Serial No. 528,141. Published Oct. 4, 1949. Class 46.

519,871. WORK GLOVE MADE OF LEATHER AND CANTON FLANNEL. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,019. Published Oct. 11, 1949. Class 39.

519,872. SULFONATED OILS WITH OR WITHOUT RAW OILS BLENDED THEREWITH FOR USE IN THE FAT-LIQUORING, OILING-OFF, AND STUFFING OF LEATHER. NOPCO CHEMICAL COMPANY, Harrison, N. J.
Filed July 28, 1947, Serial No. 529,812. Published Oct. 4, 1949. Class 6.

519,873. MAGAZINE PUBLISHED MONTHLY DEVOTED TO THE INTEREST OF THE FROZEN FOOD LOCKER INDUSTRY, OPERATORS, AND OWNERS. GEORGE W. WHITEHEAD, doing business as Locker Publications Company, Des Moines, Iowa, assignor to Locker Publications Company, Des Moines, Iowa, a corporation of Iowa.
Filed July 30, 1947, Serial No. 530,041. Published Oct. 18, 1949. Class 38.

519,874. PORTABLE AIR COMPRESSORS, STATIONARY AIR COMPRESSORS, TRUCK POWER TAKE-OFFS FOR TAKING POWER FROM A TRUCK ENGINE FOR ANY PURPOSE, ETC. DAVEY COMPRESSOR COMPANY, Kent, Ohio.
Filed July 31, 1947, Serial No. 530,068. Published Oct. 4, 1949. Class 23.

519,875. SYNTHETIC ENAMELS, VARNISH, AND LIQUID POLISH AND CLEANER FOR USE ON MOTORCYCLES AND OTHER ENAMELED SURFACES. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis.
Filed Aug. 12, 1947, Serial No. 531,114. Published Oct. 11, 1949. Class 16.

519,876. MOTORCYCLES, SIDE-CARS, AND THREE-WHEELED SERVICE AND DELIVERY VEHICLES. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis.
Filed Aug. 12, 1947, Serial No. 531,116. Published Oct. 11, 1949. Class 19.

519,877. CERAMIC OVERGLAZE COLORS; CERAMIC ENGOBES COLORS; ETC. INTERNATIONAL PRODUCTS CORPORATION, Baltimore, Md., assignor to Pemco Corporation, Baltimore, Md.
Filed Aug. 14, 1947, Serial No. 531,328. Published Oct. 18, 1949. Class 16.

519,878. ELECTRICALLY OPERATED MOTORIZED VALVES, COMBINATION ELECTRICALLY OPERATED MOTORIZED VALVES AND ELECTRICAL TEMPERATURE CONTROLS THEREFOR, AND RELAYS WITH BUILT-IN TRANSFORMERS. BELL & GOSSETT COMPANY, Morton Grove, Ill.
Filed Aug. 15, 1947, Serial No. 531,426. Published Oct. 4, 1949. Class 21.

519,879. CERTAIN CUTLERY AND TOOLS—NAMELY, SCISSORS, ETC. H. BOKER & CO., INC., New York, N. Y.
Filed Aug. 27, 1947, Serial No. 532,550. Published Oct. 4, 1949. Class 23.

519,880. SLICED APPLES PACKED IN TIN AND GLASS. FRUIT BELT PRESERVING COMPANY, East Williamson, N. Y.
Filed Aug. 27, 1947, Serial No. 532,582. Published Oct. 4, 1949. Class 46.

519,881. ASPHALT PRIMER, ASPHALT COATING (WITHOUT FIBRE), ASPHALT FIBRE COATING, ALL IN THE NATURE OF A PAINT AND ALUMINUM PAINT ROOF COATING. EMPIRE PETROLEUM COMPANY, Denver, Colo.
Filed Aug. 30, 1947, Serial No. 532,922. Published Oct. 18, 1949. Class 16.

519,882. FOOD SAVORING POWDERS COMPRISING PRINCIPALLY MONO SODIUM GLUTAMATE. INTERNATIONAL MINERALS AND CHEMICAL CORPORATION, Chicago, Ill.
Filed July 29, 1947, Serial No. 532,976. Published Oct. 11, 1949. Class 46.

519,883. TOMATO CATSUP, CHILI SAUCE, AND SEAFOOD COCKTAIL SAUCE. THE NAAS CORPORATION OF INDIANA, Portland, Ind.
Filed Sept. 4, 1947, Serial No. 533,349. Published Oct. 4, 1949. Class 46.

519,884. HOUSE ORGAN, COLOR CHIP COMPILATIONS, AND PRINTED PUBLICATIONS ISSUED FROM TIME TO TIME. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio.
Filed Aug. 29, 1947, Serial No. 533,504. Published May 17, 1949. Class 38.

519,885. CANNED TUNA. FRANCO-ITALIAN PACKING COMPANY, Terminal Island, Calif.
Filed Sept. 15, 1947, Serial No. 534,526. Published Oct. 4, 1949. Class 46.

519,886. COMMERCIAL LAUNDRY APPARATUS—NAMELY, SLEEVE PRESSES, CUFF PRESSES, COLLAR PRESSES, BODY PRESSES, SHIRT-FRONT PRESSES, SLEEVE CONDITIONING FORMS, AND SHIRT-FOLDING TABLES. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio.
Filed Sept. 23, 1947, Serial No. 535,377. Published Nov. 9, 1948. Class 24.

519,887. WORK GLOVES OF FABRIC, LEATHER, AND COMBINATIONS THEREOF. BUCKEYE GLOVE CO., Toledo, Ohio.
Filed Sept. 24, 1947, Serial No. 535,478. Published Mar. 2, 1948. Class 39.

519,888. ELECTRIC CIRCUIT MAKERS AND BREAKERS, SWITCHES, AND PARTS, AND COMBINATIONS THEREOF. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn.
Filed Sept. 26, 1947, Serial No. 535,785. Published Oct. 4, 1949. Class 21.

519,889. FRESH VEGETABLES. HARRY REIMER AND COMPANY, Phoenix, Ariz.
Filed Oct. 6, 1947, Serial No. 536,954. Published Oct. 4, 1949. Class 46.

519,890. RAISINS; RAISIN SYRUP; RAISIN BREAD; RAISIN JAM, ETC. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif.
Filed Oct. 7, 1947, Serial No. 537,099. Published May 31, 1949. Class 46.

519,891. ELECTRICALLY DRIVEN HOISTS AND TRAVELLING CRANES. MANNING, MAXWELL & MOORE, INC., New York, N. Y.
Filed Oct. 11, 1947, Serial No. 537,603. Published Oct. 11, 1949. Class 21.

519,892. CONDENSED BUTTERMILK USED IN FEEDING POULTRY AND LIVESTOCK. BEAVER MEADOW BY-PRODUCTS CORP., Dubois, Pa.
Filed Oct. 20, 1947, Serial No. 538,346. Published Oct. 4, 1949. Class 46.

519,893. REAGENT CHEMICALS. GENERAL CHEMICAL COMPANY, New York, N. Y., now by merger Allied Chemical & Dye Corporation, a corporation of New York.
Filed Oct. 28, 1947, Serial No. 539,305. Published Sept. 27, 1949. Class 6.

519,894. READY MIXED HOUSE PAINT. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,787. Published Oct. 11, 1949. Class 16.

519,895. HAM. JONES DAIRY FARM, Fort Atkinson, Wis.
Filed Nov. 5, 1947, Serial No. 540,192. Published Oct. 4, 1949. Class 46.

519,896. RESINS AND SOLUTIONS THEREOF FOR VARNISHES AND SIMILAR COATING COMPOSITIONS, BUT NOT INCLUDING PENETRATING OIL PRODUCTS SUCH AS PENETRATING OIL STAINS. C. J. OSBORN COMPANY, New York, N. Y.
Filed Nov. 7, 1947, Serial No. 540,447. Published Mar. 15, 1949. Class 16.

519,897. METAL ELECTRODE CARTRIDGES MADE OF ZINC OR THE LIKE FOR FORMING A GALVANIC COUPLE WITH A DISSIMILAR METAL, USED TO PREVENT OR INHIBIT SCALE FORMATION IN A WATER SYSTEM. EDGAR M. BUTLER, doing business as Butler Engineering Company, New Orleans, La.
Filed Nov. 8, 1947, Serial No. 540,519. Published Oct. 18, 1949. Class 21.

519,898. SEAFOOD PRODUCTS—NAMELY, FISH AND ROE. DAVIS BROS. FISHERIES CO., INC., Gloucester, Mass.
Filed Nov. 8, 1947, Serial No. 540,527. Published Oct. 4, 1949. Class 46.

519,899. CASEIN PASTE PAINT. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Nov. 10, 1947, Serial No. 540,615. Published Aug. 30, 1949. Class 16.

519,900. BICYCLES. HENRY MODELL & CO., INC., New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,162. Published Oct. 11, 1949. Class 19.

519,901. RAISINS. CONSOLIDATED PACKING COMPANY, San Francisco, Calif.
Filed Nov. 17, 1947, Serial No. 541,405. Published Oct. 11, 1949. Class 46.

519,902. CORSETS AND GIRDLES FOR LADIES AND MISSES. RITE-FORM CORSET CO. INC., New York, N. Y.
Filed Nov. 18, 1947, Serial No. 541,574. Published Oct. 11, 1949. Class 39.

519,903. LADIES' AND MISSES' PLAYSUITS, OVERALLS, SKI SUITS, SLACKS, BLOUSES, JACKETS, CULOTTES, BEACH ROBES, SUN SUITS, AND OUTER SHORTS. ART-MOR TOGS INC., New York, N. Y.
Filed Nov. 24, 1947, Serial No. 542,067. Published Oct. 4, 1949. Class 39.

519,904. DIRECT-CURRENT ELECTRIC POWER SUPPLY UNITS OF THE RECTIFIER TYPE, BATTERY CHARGERS OF THE RECTIFIER TYPE, SOLENOIDS, MAGNETS, ELECTRIC AIRPLANE STARTING MOTORS, AND ELECTRIC MOTORS. McCOLPIN-CHRISTIE CORPORATION, LTD., Los Angeles, Calif.
Filed Nov. 24, 1947, Serial No. 542,150. Published Oct. 18, 1949. Class 21.

519,905. FELT, CLOTH, AND STRAW HATS FOR WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed Dec. 5, 1947, Serial No. 543,445. Published Oct. 4, 1949. Class 39.

519,906. BICYCLES. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed Dec. 5, 1947, Serial No. 543,553. Published Oct. 11, 1949. Class 19.

519,907. MECHANICAL COUPLERS AND HOISTS AND COMBINED COUPLERS AND HOISTS FOR TRAILER COACHES. MARVEL INDUSTRIES, INC., Detroit, Mich.
Filed Dec. 8, 1947, Serial No. 543,727. Published Oct. 18, 1949. Class 23.

519,908. JELLIES. LADY LEISURE, INC., Rochester, N. Y.
Filed Dec. 9, 1947, Serial No. 543,814. Published Oct. 4, 1949. Class 46.

519,909. OUTBOARD MOTORS. OUTBOARD, MARINE AND MANUFACTURING COMPANY, Waukegan, Ill.
Filed Dec. 9, 1947, Serial No. 543,831. Published Oct. 18, 1949. Class 23.

519,910. GELATIN, GELATIN DESSERT PREPARATION, FRUIT PECTIN, AND PUDDING PREPARATIONS. ENZO JEL COMPANY, Sheboygan, Wis.
Filed Dec. 10, 1947, Serial No. 543,909. Published Oct. 4, 1949. Class 46.

519,911. INSECTICIDES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,228. Published July 20, 1948, Class 6.

519,912. INTERNAL COMBUSTION ENGINES AND PARTS THEREOF. CUMMINS ENGINE COMPANY, INC., Columbus, Ind.
Filed Dec. 13, 1947, Serial No. 544,256. Published Oct. 18, 1949. Class 23.

519,913. WHEAT FLOUR. THE WILLIAM KELLY MILLING COMPANY, Hutchinson, Kans.
Filed Dec. 22, 1947, Serial No. 545,130. Published Oct. 4, 1949. Class 46.

519,914. WHEAT FLOUR. THE WILLIAM KELLY MILLING COMPANY, Hutchinson, Kans.
Filed Dec. 22, 1947, Serial No. 545,132. Published Oct. 4, 1949. Class 46.

519,915. BOOKLET ISSUED FROM TIME TO TIME AND RELATING ESPECIALLY TO THE ILLUSTRATING OF CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed Dec. 26, 1947, Serial No. 545,542. Published Oct. 25, 1949. Class 38.

519,916. FRESH CITRUS FRUITS. MOUNTAIN VIEW FRUIT ASSOCIATION, also doing business as Mountain View Orange and Lemon Growers Association, Upland, Calif.
Filed Dec. 27, 1947, Serial No. 545,593. Published Oct. 4, 1949. Class 46.

519,917. ELECTRIC SWITCH PLATES AND ELECTRIC WALL OUTLET PLATES. THE W–L MOLDING COMPANY, Kalamazoo, Mich.
Filed Jan. 3, 1948, Serial No. 546,137. Published Oct. 4, 1949. Class 21.

519,918. DIETETIC FOODS FOR INFANTS AND INVALIDS — NAMELY, PREPARATIONS PRINCIPALLY OF CASEIN AND SODIUM GLYCEROPHOSPHATE. GENATOSAN LIMITED, Loughborough, England.
Filed Jan. 7, 1948, Serial No. 546,385. Published Oct. 4, 1949. Class 46.

519,919. CANNED VEGETABLES—NAMELY, PEAS AND CORN. FAIRMONT CANNING COMPANY, Fairmont, Minn.
Filed Jan. 10, 1948, Serial No. 546,689. Published Oct. 4, 1949. Class 46.

519,920. FRESH CITRUS FRUITS. ORANGE COUNTY VALENCIA ASSOCIATION, Anaheim, Calif.
Filed Jan. 12, 1948, Serial No. 546,784. Published Oct. 4, 1949. Class 46.

519,921. HICKEYS OR BENDING IRONS FOR PIPES, ELECTRICAL CONDUITS, ETC. THE THOMAS & BETTS CO., Elizabeth, N. J.
Filed Jan. 14, 1948, Serial No. 547,049. Published Oct. 11, 1949. Class 23.

519,922. TRANSFERS COMPRISING A PAPER BASE HAVING A FUSIBLE MARKING THEREON FOR APPLICATION TO TEXTILES AND OTHER MATERIALS FOR LABELING PURPOSES BY MEANS OF HEAT, ETC. KAUMAGRAPH COMPANY, Wilmington, Del.
Filed Jan. 16, 1948, Serial No. 547,256. Published Oct. 18, 1949. Class 38.

519,923. ARTISTS' OIL AND WATER COLORS, AND ARTISTS' VARNISHES AND MEDIUMS. E. H. & A. C. FRIEDRICHS CO., New York, N. Y.
Filed Jan. 20, 1948, Serial No. 547,537. Published Oct. 11, 1949. Class 16.

519,924. TRANSFERS COMPRISING A PAPER BASE HAVING A FUSIBLE MARKING THEREON FOR APPLICATION TO TEXTILES AND OTHER MATERIALS FOR LABELING PURPOSES BY MEANS OF HEAT, ETC. KAUMAGRAPH COMPANY, Wilmington, Del.
Filed Jan. 20, 1948, Serial No. 547,555. Published Oct. 18, 1949. Class 38.

519,925. INDUSTRIAL GRINDERS. CHARLES H. BESLY AND COMPANY, Chicago, Ill.
Filed Jan. 26, 1948, Serial No. 547,964. Published Oct. 11, 1949. Class 23.

519,926. HOUSE TRAILERS; AND FISHING, SPEED, AND SMALL PLEASURE BOATS. CHURCH MANUFACTURING COMPANY, INC., Middlebury, Ind.
Filed Jan. 26, 1948, Serial No. 547,971. Published Oct. 11, 1949. Class 19.

519,927. FEATURE IN A MAGAZINE. QUALITY COMICS, INC., New York, N. Y.
Filed Jan. 28, 1948, Serial No. 548,183. Published Oct. 18, 1949. Class 38.

519,928. CHILDREN'S OVERALLS, SNOW SUITS, AND PLAY SUITS. AMERICAN PLAYSUIT CO. INC., New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,309. Published Sept. 27, 1949. Class 39.

519,929. FRESH LETTUCE. SIMPLOT WESTERN IDAHO PRODUCE, INC., Caldwell, Idaho.
Filed Feb. 6, 1948, Serial No. 549,015. Published Oct. 4, 1949. Class 46.

519,930. WOMEN'S DRESSES. WEINBERG, WEINBERG & ALPERN, New York, N. Y.
Filed Feb. 7, 1948, Serial No. 549,100. Published Oct. 11, 1949. Class 39.

519,931. CHIME SIGNAL DEVICES FOR USE IN A PAGE CALL SYSTEM. NUTONE, INC., Chicago, Ill.
Filed Feb. 10, 1948, Serial No. 549,267. Published Oct. 4, 1949. Class 21.

519,932. POULTRY FEED, DAIRY FEED, AND HORSE FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE WHOLE OR GROUND CEREAL GRAINS, GRAIN BY-PRODUCTS, AND SEED CONCENTRATES. DIETRICH & GAMBRILL, INC., Frederick, Md., and Lewisburg, Pa.
Filed Nov. 3, 1947, Serial No. 549,325. Published Oct. 4, 1949. Class 46.

519,933. LADIES' BLOUSES, SLACKS, AND PLAYSUITS. REVELATION BLOUSE CORP., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 549,389. Published Oct. 4, 1949. Class 39.

519,934. ELECTRICAL CONDUIT. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich.
Filed Feb. 11, 1948, Serial No. 549,417. Published Oct. 11, 1949. Class 21.

519,935. REPAIR KITS CONTAINING A SPACER, SLEEVE, WASHERS AND GROMMETS FOR STABILIZING THE STEERING MECHANISM OF AUTOMOBILES; ETC. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio.
Filed Feb. 13, 1948, Serial No. 549,604. Published Sept. 20, 1949. Class 19.

519,936. ELECTRIC SWITCH MECHANISMS INCLUDING ELECTRIC SWITCHES AND ELECTRIC SOCKET SWITCHES, AND PORTABLE ELECTRIC LAMP MECHANISMS — NAMELY, PORTABLE LAMPS, AND PORTABLE LAMP GUARDS. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind.
Filed Feb. 13, 1948, Serial No. 549,644. Published Oct. 4, 1949. Class 21.

519,937. PADS MADE OF RUBBER AND METAL FOR AUTOMOBILE ACCELERATOR, BRAKE, CLUTCH, AND STARTER PEDALS. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio.
Filed Feb. 13, 1948, Serial No. 549,605. Published Sept. 20, 1949. Class 19.

519,938. PADS MADE OF RUBBER AND METAL FOR AUTOMOBILE ACCELERATOR, BRAKE, CLUTCH, AND STARTER PEDALS. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio.
Filed Feb. 13, 1948, Serial No. 549,606. Published Sept. 20, 1949. Class 19.

519,939. ELECTRONIC EQUIPMENT, VIZ., APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES, ETC. ELECTRIC EYE EQUIPMENT COMPANY, Danville, Ill.
Filed Feb. 16, 1948, Serial No. 549,790. Published Sept. 13, 1949. Class 26.

519,940. ELECTRONIC EQUIPMENT, VIZ., APPARATUS USING PHOTOTUBES, ETC. ELECTRIC EYE EQUIPMENT COMPANY, Danville, Ill.
Filed Feb. 16, 1948, Serial No. 549,791. Published Sept. 13, 1949. Class 26.

519,941. CANDY. THE FLAVOUR CANDY COMPANY, Chicago, Ill.
Filed Feb. 16, 1948, Serial No. 549,796. Published Oct. 4, 1949. Class 46.

519,942. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, ETC. ALICE FROCK COMPANY, San Francisco, Calif.
Filed Feb. 20, 1948, Serial No. 550,200. Published Oct. 11, 1949. Class 39.

519,943. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, OUTER SHORTS, OUTER SHIRTS, PLAY SUITS, SUN SUITS, ETC. ALICE FROCK COMPANY, San Francisco, Calif.
Filed Feb. 20, 1948, Serial No. 550,201. Published Oct. 4, 1949. Class 39.

519,944. PLUM PUDDING. COCK 'N BULL PRODUCTS, Hollywood, Calif.
Filed Feb. 24, 1948, Serial No. 550,386. Published Oct. 4, 1949. Class 46.

519,945. LADIES', MISSES', AND GIRLS' BLOUSES AND WAISTS. LIVINGSTON & LIVINGSTON, New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,526. Published Oct. 4, 1949. Class 39.

519,946. LADIES' KNITTED AND TEXTILE UNDERWEAR, SLIPS, PAJAMAS, NIGHTGOWNS, NEGLIGEES AND HOUSE COATS, ALL MADE IN WHOLE OR IN SUBSTANTIAL PART OF COTTON. MITCHEL SCHNEIDER CO. INC., Brooklyn, N. Y.
Filed May. 2, 1948, Serial No. 551,050. Published Oct. 18, 1949. Class 39.

519,947. WAGONS OF THE LARGE DUMP TYPE. LA PLANT-CHOATE MANUFACTURING CO., INC., Cedar Rapids, Iowa.
Filed Mar. 6, 1948, Serial No. 551,388. Published Oct. 11, 1949. Class 19.

519,948. BABY CARRIAGES AND STROLLERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Mar. 6, 1948, Serial No. 551,409. Published Oct. 11, 1949. Class 19.

519,949. PURE LARD. DOLD PACKING CORPORATION, Buffalo, N. Y.
Filed Mar. 10, 1948, Serial No. 551,622. Published Oct. 4, 1949. Class 46.

519,950. CANDY, SHELLED SALTED PEANUTS AND CORN CHIPS. THE FRITO COMPANY, Dallas, Tex.
Filed Mar. 17, 1948, Serial No. 552,140. Published Oct. 4, 1949. Class 46.

519,951. CHEMICAL PREPARATION HAVING DISINFECTING AND GERMICIDAL PROPERTIES FOR OPENING CLOGGED DRAINS OF SINKS, WASHBOWLS, ETC. THE DRACKETT COMPANY, Cincinnati, Ohio.
Filed Dec. 30, 1947, Serial No. 552,386. Published Sept. 13, 1949. Class 52.

519,952. SPACE HEATERS, ELECTRIC. R. E. ANDERSON, Aurora, Ill.
Filed Mar. 20, 1948, Serial No. 552,563. Published Oct. 4, 1949. Class 21.

519,953. CLOTHES WASHING MACHINES ACTUATED BY ELECTRIC MOTORS, ETC. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 27, 1948, Serial No. 553,172. Published Oct. 11, 1949. Class 24.

519,954. CURTAIN STRETCHERS. SHELDON HOME PRODUCTS CORP., New York, N. Y.
Filed Mar. 27, 1948, Serial No. 553,219. Published Oct. 11, 1949. Class 24.

519,955. BARLEY MALT SYRUP FOR FOOD PURPOSES. ANHEUSER-BUSCH, INC., St. Louis, Mo.
Filed Mar. 29, 1948, Serial No. 553,238. Published Oct. 4, 1949. Class 46.

519,956. PREPARED JELLY, JAM, AND FRUIT PRESERVES. LAWRENCE BARON, INC., Yonkers, N. Y.
Original filed. act of 1946, Supplemental Register, Mar. 29, 1948; amended to application, Principal Register, July 27, 1949, Serial No. 553,259. Published Oct. 4, 1949. Class 46.

519,957. CORN SUGAR FOR USE AS A FOOD AND AS AN INGREDIENT OF FOODS FOR HUMAN CONSUMPTION. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Mar. 31, 1948, Serial No. 553,466. Published Oct. 4, 1949. Class 46.

519,958. CANNED VEGETABLES. DEERFIELD PACKING CORPORATION, Upper Deerfield, N. J.; now by change of name Seabrook Farms Co., a corporation of New Jersey.
Filed Apr. 5, 1948, Serial No. 553,821. Published Oct. 4, 1949. Class 46.

519,959. WOODWORKING MACHINERY, AND WORK CHECKING AND HOLDING FIXTURES—NAMELY, ANGLE PLATES, SURFACE PLATES AND BOX PARALLELS. MOAK MACHINE & TOOL COMPANY, Port Huron, Mich.
Filed Apr. 6, 1948, Serial No. 553,969. Published Oct. 4, 1949. Class 23.

519,960. AUTOMOTIVE VEHICLES—NAMELY, PASSENGER BUSES. TWIN COACH COMPANY, Kent, Ohio.
Filed Apr. 12, 1948, Serial No. 554,444. Published Oct. 11, 1949. Class 19.

519,961. LADIES', MISSES', AND GIRLS' RUSSIAN WEASEL FUR GARMENTS—NAMELY, COATS, JACKETS, CAPES, STOLES, MUFFS, COLLARS, SCARFS, AND BELTS. JULES E. WINTERS, New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,751. Published Oct. 4, 1949. Class 39.

519,962. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. COCHRAN CO., INC., Tracy, Calif.
Filed Apr. 19, 1948, Serial No. 554,948. Published Oct. 4, 1949. Class 46.

519,963. READY-TO-WEAR COTTON DRESSES FOR WOMEN, MISSES, AND GIRLS. PRINCESS PEGGY, INC., Peoria, Ill.
Filed Apr. 20, 1948, Serial No. 555,077. Published Oct. 4, 1949. Class 39.

519,964. WHEELBARROWS. SHAYLOW COMPANY, Los Angeles, Calif.
Filed Apr. 19, 1948, Serial No. 555,137. Published Oct. 11, 1949. Class 19.

519,965. STRAW HATS. HENRY POLLAK, INC., New York, N. Y.
Filed Apr. 22, 1948, Serial No. 555,300. Published Oct. 11, 1949. Class 39.

519,966. TABLE SYRUP. TEA GARDEN PRODUCTS CO., San Francisco, Calif.
Filed Apr. 22, 1948, Serial No. 555,321. Published Oct. 4, 1949. Class 46.

519,967. FRESH DECIDUOUS FRUITS. AUBURN FRUIT EXCHANGE Auburn, Calif.
Filed Apr. 24, 1948, Serial No. 555,481. Published Oct. 4, 1949. Class 46.

519,968. ELECTRICAL WATER TANK HEATING APPARATUS. A. J. LINDEMANN & HOVERSON COMPANY, Milwaukee, Wis.
Filed Apr. 24, 1948, Serial No. 555,545. Published Oct. 4, 1949. Class 21.

519,969. WOMEN'S, MISSES', AND CHILDREN'S HATS; SHOES; SLIPPERS; PUTTIES; ETC. RUSSEKS FIFTH AVENUE, INC., New York, N. Y.
Filed Aug. 12, 1947, Serial No. 555,860. Published Sept. 27, 1949. Class 39.

519,970. ICE CREAM. EAST TEXAS CREAMERY, Marshall, Tex.
Filed Apr. 30, 1948, Serial No. 555,929. Published Oct. 4, 1949. Class 46.

519,971. LADIES' DRESSES. STREAMLINE GARMENT CORPORATION, Chicago, Ill.
Filed Apr. 30, 1948, Serial No. 555,969. Published Sept. 27, 1949. Class 39.

519,972. LADIES' COATS. TOWN-MOOR, INC., New York, N. Y.
Filed May 1, 1948, Serial No. 556,034. Published Sept. 27, 1949. Class 39.

519,973. PRINTED BIRTH ANNOUNCEMENTS. IMPERIAL PUBLISHERS, Howells, Nebr.
Filed May 3, 1948, Serial No. 556,099. Published Oct. 18, 1949. Class 38.

519,974. WOMEN'S AND MISSES' DRESSES. WARSHAUER & FRANCK, INC., Boston, Mass.
Filed May 3, 1948, Serial No. 556,155. Published Sept. 27, 1949. Class 39.

519,975. WOMEN'S DRESSES, JUMPER SUITS, COSTUMES, AND COATS. RIMA MODEL GOWNS LIMITED, London, England.
Filed May 5, 1948, Serial No. 556,287. Published Oct. 4, 1949. Class 39.

519,976. CLOTHES WASHING MACHINES. AVCO MANUFACTURING CORPORATION, Detroit, Mich.
Filed May 6, 1948, Serial No. 556,308. Published Oct. 11, 1949. Class 24.

519,977. MAGAZINE. THE YORKE PUBLISHING COMPANY, INC., New York, N. Y.
Filed May 6, 1948, Serial No. 556,388. Published Oct. 18, 1949. Class 38.

519,978. WOMEN'S SLIPS. BELK'S BUYING SERVICE, INCORPORATED, Charlotte, N. C.
Filed May 8, 1948, Serial No. 556,542. Published Oct. 11, 1949. Class 39.

519,979. AUTOMOBILES NEW AND USED, TRUCKS NEW AND USED, AND NEW AND USED BUSES, REPAIR AND REPLACEMENT PARTS OF MOTOR DRIVEN VEHICLES—NAMELY, WHEELS, ETC. KRELL BUICK, INC., Fargo, N. Dak.
Filed May 10, 1948, Serial No. 556,638. Published Sept. 20, 1949. Class 19.

519,980. MEDICINE FOR TREATMENT OF VARICOSE VEINS. ENDO PRODUCTS INC., Richmond Hill, N. Y.
Filed May 11, 1948, Serial No. 556,786. Published Oct. 4, 1949. Class 18.

519,981. POWER TRANSMISSION CHAINS FOR CYCLES AND MOTOR VEHICLES. THE RENOLD AND COVENTRY CHAIN COMPANY, LIMITED, Manchester, England.
Filed May 11, 1948, Serial No. 556,817. Published Oct. 4, 1949. Class 23.

519,982. MANIPULATABLE SLIDE CHART CONTAINING DATA FOR OBTAINING INFORMATION REGARDING THE LOCATION OF STREETS. ARMIN A. BEHRENS, New York, N. Y.
Filed May 12, 1948, Serial No. 556,863. Published Sept. 13, 1949. Class 26.

519,983. WRAPPED PACKS OR PACKAGES OF GREETING CARDS. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed May 12, 1948, Serial No. 556,937. Published Mar. 8, 1949. Class 38.

519,984. ALUMINUM TRUCK BODIES. J. B. E. OLSON CORPORATION, Brooklyn, N. Y.
Filed May 13, 1948, Serial No. 556,981. Published Oct. 11, 1949. Class 19.

519,985. CANNED FRUITS AND VEGETABLES, PRESERVED FRUITS, ETC. THE MOREY MERCANTILE COMPANY, Denver, Colo.
Filed May 15, 1948, Serial No. 557,147. Published Oct. 11, 1949. Class 46.

519,986. JELLY POWDERS, BARS OF CHOCOLATE USED FOR BOTH COOKING AND CONFECTIONERY PURPOSES, BARLEY, ROLLED OATS, ETC. THE MOREY MERCANTILE COMPANY, Denver, Colo.
Filed May 15, 1948, Serial No. 557,148. Published Oct. 4, 1949. Class 46.

519,987. FRESH DECIDUOUS FRUITS. THE LAMB FRUIT COMPANY, Yakima, Wash.
Filed May 19, 1948, Serial No. 557,363. Published Oct. 4, 1949. Class 46.

519,988. ELECTRICAL CLOTHES WASHING MACHINES. WILLIAM S. MOORE, doing business as Moore's of Ohio, Newark, Ohio.
Filed May 20, 1948, Serial No. 557,461. Published Oct. 11, 1949. Class 24.

519,989. OVERHEAD CRANES, OVERHEAD CONVEYOR TYPE MATERIAL HANDLING SYSTEMS, AND PARTS THEREOF. THE CLEVELAND CRANE & ENGINEERING COMPANY, Wickliffe, Ohio.
Filed May 21, 1948, Serial No. 557,500. Published Oct. 11, 1949. Class 23.

519,990. GREETING CARDS, PRINTED GREETING FOLDERS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS. NORCROSS, INC., New York, N. Y.
Filed May 24, 1948, Serial No. 557,684. Published Oct. 25, 1949. Class 38.

519,991. GREETING CARDS, PRINTED GREETING FOLDERS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS. NORCROSS, INC., New York, N. Y.
Filed May 24, 1948, Serial No. 557,685. Published Oct. 25, 1949. Class 38.

519,992. TELEPHONE SWITCHING EQUIPMENT AND APPARATUS AND PARTS THEREOF FOR USE IN TELEPHONE AND SIGNALLING SYSTEMS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed May 27, 1948, Serial No. 557,884. Published Oct. 11, 1949. Class 21.

519,993. CANNED TOMATOES. H. P. TULL & COMPANY, Kingston, Md.
Filed May 28, 1948, Serial No. 558,084. Published Oct. 4, 1949. Class 46.

519,994. FRESH FISH, FISH FILLETS, AND FROZEN FISH—NAMELY, HAKE, ETC. CAPE ANN FISHERIES, INC., Gloucester, Mass.
Filed May 29, 1948, Serial No. 558,108. Published Oct. 4, 1949. Class 46.

519,995. TOMATO CATSUP AND CANNED TOMATOES. HARALD K. NICOLAISEN, doing business as California Supply Company, San Francisco, Calif.
Filed June 1, 1948, Serial No. 558,236. Published Oct. 4, 1947. Class 46.

519,996. GRANULAR EFFERVESCENT BLOOD SALTS HAVING ANTACID, DIURETIC AND ALKALINIZING PROPERTIES, ETC. WESTERN PHARMACAL COMPANY, Salt Lake City, Utah.
Filed June 1, 1948, Serial No. 558,263. Published Sept. 27, 1949. Class 18.

519,997. FRESH APPLES. ALFRED STANFORD, Essex, Conn.
Filed June 4, 1948, Serial No. 558,530. Published Oct. 4, 1949. Class 46.

519,998. ELECTRIC WELDING APPARATUS. MILLER ELECTRIC MANUFACTURING COMPANY, Appleton, Wis.
Filed June 10, 1948, Serial No. 558,908. Published Oct. 11, 1949. Class 21.

519,999. LADIES' AND CHILDREN'S CHEMISES, PRINCESS SLIPS, BLOOMERS, DRESSES, STEPINS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS, OF A TEXTILE FABRIC. I. SCHNEIBERSON & SONS, INC., New York, N. Y.
Filed June 10, 1948, Serial No. 558,941. Published Oct. 11, 1949. Class 39.

520,000. STORAGE BATTERIES. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed June 7, 1948, Serial No. 558,976. Published Oct. 11, 1949. Class 21.

520,001. CANDY. LIBERTY ORCHARDS COMPANY, Cashmere, Wash.
Filed June 15, 1948, Serial No. 559,233. Published Oct. 18, 1949. Class 46.

520,002. FRESH CITRUS FRUITS. MISSION CITRUS ASSOCIATION, Redlands, Calif.
Filed June 17, 1948, Serial No. 559,529. Published Sept. 27, 1949. Class 46.

520,003. FRESH CITRUS FRUITS. MISSION CITRUS ASSOCIATION, Redlands, Calif.
Filed June 17, 1948, Serial No. 559,530. Published Sept. 27, 1949. Class 46.

520,004. FLUORESCENT LAMP TUBES. DURO-TEST CORPORATION, North Bergen, N. J., and elsewhere in the United States.
Filed June 18, 1948, Serial No. 559,591. Published Oct. 11, 1949. Class 21.

520,005. ELECTRICALLY OPERATED INTERLOCKS FOR POWER CONSUMING APPARATUS SUCH AS SAFETY CONTROLLERS FOR PUNCH PRESSES, PRINTING PRESSES, AND THE LIKE. FIRST INDUSTRIAL CORPORATION, Freeport, Ill.
Filed June 19, 1948, Serial No. 559,694. Published Oct. 11, 1949. Class 21.

520,006. ELECTRICAL APPARATUS—NAMELY, TRANSFORMERS, BALLASTS, REACTORS, CHOKES, MAGNETIC COILS, AND VOLTAGE REGULATORS. TRANSFORMER ENGINEERING CORPORATION, Cleveland, Ohio.
Filed June 19, 1948, Serial No. 559,749. Published Oct. 11, 1949. Class 21.

520,007. WEEKLY NEWSPAPER. MIAMI BEACH PUBLISHING COMPANY, Miami Beach, Fla.
Filed June 21, 1948, Serial No. 559,853. Published Oct. 18, 1949. Class 38.

520,008. FRESH FRUITS AND VEGETABLES—NAMELY, BANANAS, BRUSSELS SPROUTS, POTATOES, AND TOMATOES. WILBOURN'S INCORPORATED, Morgantown, W. Va.
Filed June 21, 1948, Serial No. 559,874. Published Oct. 4, 1949. Class 46.

520,009. CHILDREN'S DRESSES. MEYER TAWIL, New York, N. Y.
Filed June 23, 1948, Serial No. 560,064. Published Oct. 4, 1949. Class 39.

520,010. ROUND AND FLAT WIRE, RIBBON, AND STRIP FORMED OF NON-FERROUS ALLOYS FOR ELECTRICAL RESISTANCE USE. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed June 26, 1948, Serial No. 560,256. Published Oct. 11, 1949. Class 21.

520,011. HAND HELD ELECTRIC MOTOR DRIVEN TOOL HOLDERS FOR DRILLING, POLISHING, ETC. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed June 29, 1948, Serial No. 560,382. Published Oct. 4, 1949. Class 21.

520,012. CANNED SALMON. F. A. GOSSE COMPANY, Seattle, Wash.
Filed June 29, 1948, Serial No. 560,401. Published Sept. 27, 1949. Class 46.

520,013. CANNED SALMON. F. A. GOSSE COMPANY, Seattle, Wash.
Filed June 29, 1948, Serial No. 560,403. Published Oct. 4, 1949. Class 46.

520,014. MAGNETIC SOUND RECORDS OF THE DISC, TAPE, WIRE, AND FILM TYPE FOR RADIO BROADCASTING. BROADCASTERS' GUILD, INC., Kansas City, Mo., and Hollywood, Calif.
Filed June 30, 1948, Serial No. 560,448. Published Oct. 11, 1949. Class 21.

520,015. CHEWING GUM. BARKER BRANDS, INC., Sea Bright, N. J.
Filed July 1, 1948, Serial No. 560,528. Published Sept. 27, 1949. Class 46.

520,016. CANNED FISH. F. A. GOSSE COMPANY, Seattle, Wash.
Filed July 6, 1948, Serial No. 560,757. Published Sept. 27, 1949. Class 46.

520,017. CONCRETE BURIAL VAULTS. INTERSTATE CONCRETE PRODUCTS, INC., Port Chester, N. Y.
Filed July 8, 1948, Serial No. 560,893. Published Sept. 27, 1949. Class 2.

520,018. FRESH VEGETABLES. RICHARD W. CALDWELL, doing business as Dick Caldwell and as Patty Pan Produce Company, Raymondville, Tex.
Filed July 9, 1948, Serial No. 560,967. Published Sept. 27, 1949. Class 46.

520,019. ELECTRICAL PRODUCTS—NAMELY, CONDUIT BUSHINGS. BUCHANAN ELECTRICAL PRODUCTS CORPORATION, Elizabeth, N. J.
Filed July 10, 1948, Serial No. 561,073. Published Oct. 4, 1949. Class 21.

520,020. FRESH VEGETABLES. P. G. BERCROFT, Brawley, Calif.
Filed July 13, 1948, Serial No. 561,222. Published Sept. 27, 1949. Class 46.

520,021. CANDY. PANGBURN COMPANY, INC., Fort Worth, Tex.
Filed July 14, 1948, Serial No. 561,333. Published Sept. 27, 1949. Class 46.

520,022. CANNED VEGETABLES. KING PHARR CANNING OPERATIONS, INC., Laurel, Miss.
Filed Feb. 14, 1948, Serial No. 561,387. Published Oct. 4, 1949. Class 46.

520,023. PREPARATION IN LIQUID FORM FOR CLEANING PAINT BRUSHES AND FOR THE REMOVAL OF UNDRIED PAINT. E Z PAINTR CORPORATION, Fond du Lac, Wis.
Filed July 16, 1948, Serial No. 561,558. Published Oct. 11, 1949. Class 16.

520,024. TEA. ALBERT EHLERS, INC., Brooklyn, N. Y.
Filed July 17, 1948, Serial No. 561,618. Published Sept. 27, 1949. Class 46.

520,025. FRESH CITRUS FRUITS. ELDERWOOD CITRUS ASSOCIATION, Woodlake, Calif.
Filed July 19, 1948, Serial No. 561,662. Published Sept. 27, 1949. Class 46.

520,026. CANDIED SWEET PICKLES. GLASER, CRANDELL CO., Chicago, Ill.
Filed July 19, 1948, Serial No. 561,667. Published Sept. 27, 1949. Class 46.

520,027. FRESH GRAPES. KAY KARAHADIAN, Los Angeles and Thermal, Calif.
Filed July 19, 1948, Serial No. 561,673. Published Oct. 4, 1949. Class 46.

520,028. CANNED VEGETABLES, PORK AND BEANS, HOMINY, AND CANNED PUMPKIN. BUSH BROTHERS & COMPANY, Dandridge, Tenn.
Filed July 20, 1948, Serial No. 561,718. Published Sept. 27, 1949. Class 46.

520,029. PAPER SHIPPING SACKS FOR FRUIT. ST. REGIS PAPER COMPANY, New York, N. Y.
Filed July 20, 1948, Serial No. 561,779. Published Sept. 27, 1949. Class 2.

520,030. ELECTRO-MECHANICAL APPARATUS IN THE NATURE OF A ROTARY ACTUATOR FOR OPERATING SCREW-JACKS, GEARS, SPROCKETS, OR SIMILAR MECHANISMS ON AIRCRAFT. AIRBORNE ACCESSORIES CORPORATION, Hillside, N. J.
Filed July 22, 1948, Serial No. 561,870. Published Oct. 11, 1949. Class 21.

520,031. RADIO AND TELEVISION RECEIVING SETS. STROMBERG-CARLSON COMPANY, Rochester, N. Y.
Filed July 22, 1948, Serial No. 561,952. Published Oct. 11, 1949. Class 21.

520,032. MONTHLY PUBLICATION. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed July 23, 1948, Serial No. 562,034. Published Oct. 18, 1949. Class 38.

520,033. FRESH GRAPES. ANTONE ZANINOVICH & SONS, Delano, Calif.
Filed July 23, 1948, Serial No. 562,114. Published Sept. 27, 1949. Class 46.

520,034. FRESH GRAPES. ANTONE ZANINOVICH & SONS, Delano, Calif.
Filed July 23, 1948, Serial No. 562,115. Published Sept. 27, 1949. Class 46.

520,035. INSULATED ELECTRIC WIRE AND CABLE. ACORN INSULATED WIRE COMPANY, INC., Brooklyn, N. Y.
Filed July 28, 1948, Serial No. 562,297. Published Oct. 11, 1949. Class 21.

520,036. ELECTRIC LAMPS FOR VEHICLES, ELECTRIC DIRECTION SIGNALS FOR VEHICLES AND SWITCHES FOR SUCH SIGNALS. AUTO LAMP MANUFACTURING CO., Chicago, Ill.
Filed July 28, 1948, Serial No. 562,303. Published Oct. 4, 1949. Class 21.

520,037. POCKET ELECTRIC FLASHLIGHTS. BANTAM-LITE, INC., New York, N. Y.
Filed July 28, 1948. Serial No. 562,305. Published Oct. 11, 1949. Class 21.

520,038. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, PANTIES, SLIPS, AND APRONS. CARLTON-BEST MADE COMPANY, Philadelphia, Pa.
Filed July 28, 1948, Serial No. 562,318. Published Oct. 18, 1949. Class 39.

520,039. TETROHYDROFURFURYL ALCOHOL. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed July 28, 1948, Serial No. 562,403. Published Oct. 4, 1949. Class 6.

520,040. CANDY. STANDARD CANDY COMPANY, Nashville, Tenn.
Filed July 28, 1948, Serial No. 562,414. Published Oct. 4, 1949. Class 46.

520,041. FRESH CITRUS FRUITS. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif.
Filed July 29, 1948, Serial No. 562,440. Published Oct. 4, 1949. Class 46.

520,042. AUTOMOTIVE TRUCK BODIES. JOHN KOERNER SONS, INC., Brooklyn, N. Y.
Filed July 30, 1948, Serial No. 562,559. Published Oct. 11, 1949. Class 19.

520,043. FLOWER CONTAINERS, VASES, BASKETS, AND FLOWER POT COVERS, ALL FORMED OF PRESSED PAPER PULP. ROJAHN & MALANEY COMPANY, Milwaukee, Wis.
Filed July 30, 1948, Serial No. 562,583. Published Sept. 27, 1949. Class 2.

520,044. FRESH CITRUS FRUITS. SAN FERNANDO FRUIT GROWERS ASSOCIATION, San Fernando, Calif.
Filed Aug. 2, 1948, Serial No. 562,667. Published Sept. 27, 1949. Class 46.

520,045. WOMEN'S WEAR—NAMELY, FABRIC GLOVES, COLLARS, NECKTIES, SCARFS, NECKERCHIEFS, HANDKERCHIEFS, TURBANS, APPAREL BELTS, AND SHIRTWAISTS. ANICS, New Canaan, Conn.
Filed Aug. 3, 1948, Serial No. 562,684. Published Oct. 18, 1949. Class 39.

520,046. PAPER PLATES, PAPER CUPS, AND WOODEN PLATES. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Aug. 4, 1948, Serial No. 562,762. Published Sept. 27, 1949. Class 2.

520,047. SWITCH WALL PLATES. R. H. KINGSTON, JR., doing business as Kingston Products Co., New York, N. Y.
Filed Aug. 4, 1948, Serial No. 562,783. Published Oct. 11, 1949. Class 21.

520,048. ELECTRIC HOUSEHOLD IRONS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed Aug. 4, 1948, Serial No. 562,802. Published Oct. 18, 1949. Class 21.

520,049. DOG FOOD. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed Aug. 6, 1948, Serial No. 562,955. Published Oct. 4, 1949. Class 46.

520,050. INDIVIDUALLY WRAPPED GREETING CARDS. CELLOCRAFT CORPORATION, Chicago, Ill.
Filed Aug. 14, 1948, Serial No. 563,395. Published Mar. 8, 1949. Class 38.

520,051. LIQUID STARCH FOR LAUNDERING. THE HUBINGER COMPANY, Keokuk, Iowa.
Filed Aug. 16, 1948, Serial No. 563,479. Published Oct. 4, 1949. Class 6.

520,052. METAL-COATED PAPER USED PARTICULARLY IN THE CONSTRUCTION OF ELECTRICAL CONDENSERS. BRITTAINS LIMITED, Staffordshire, England.
Filed Aug. 24, 1948, Serial No. 563,897. Published Oct. 4, 1949. Class 21.

520,053. LATHES, SHAPERS, MILLING MACHINES, AND CENTERING MACHINES. THE HENDEY MACHINE COMPANY, Torrington, Conn.
Filed Apr. 9, 1948, Serial No. 563,998. Published Oct. 4, 1949. Class 23.

520,054. PERIODICALS. DETROIT YACHT CLUB, Detroit, Mich.
Filed Apr. 27, 1948, Serial No. 564,023. Published Oct. 18, 1949. Class 38.

520,055. ELECTRICAL RELAYS AND SWITCHES. DURAKOOL, INC., Elkhart, Ind.
Filed Aug. 28, 1948, Serial No. 564,321. Published Oct. 4, 1949. Class 21.

520,056. ELECTRIC VACUUM CLEANERS AND PORTABLE ELECTRIC BLOWERS. CLEMENTS MFG. CO., Chicago, Ill.
Filed Aug. 30, 1948, Serial No. 564,374. Published Oct. 4, 1949. Class 21.

520,057. ELECTRIC VACUUM CLEANERS AND BAGS THEREFOR. CLEMENTS MFG. CO., Chicago, Ill.
Filed Aug. 30, 1948, Serial No. 564,375. Published Oct. 4, 1949. Class 21.

520,058. COPPER PAINT. C. A. WOOLSEY PAINT & COLOR CO. INC., New York, N. Y.
Filed Aug. 31, 1948, Serial No. 564,496. Published Oct. 11, 1949. Class 16.

520,059. HAIR SHAMPOO. JOE C. BODE, JR., doing business under the name Manson Distributors, Aurora, Ill.
Filed Sept. 3, 1948, Serial No. 564,603. Published Sept. 27, 1949. Class 52.

520,060. LINIMENT FOR EXTERNAL USE. STEVE C. SARCHIO, Garfield, N. J.
Filed July 13, 1948, Serial No. 564,681. Published Oct. 4, 1949. Class 18.

520,061. PUBLICATION USED AS REFERENCE AND LECTURE TEXT IN TRAINING COURSES AND PUBLISHED IN A SERIES. ARTHUR O. HARRIS, Buffalo, N. Y.
Filed Sept. 4, 1948, Serial No. 564,725. Published Oct. 18, 1949. Class 38.

520,062. PERIODICAL. KALEIDOSCOPE, INC., New York, N. Y.
Filed Sept. 9, 1948, Serial No. 564,878. Published Oct. 18, 1949. Class 38.

520,063. STAGE MONEY. BERNARD H. BUCHHEIT, Greensburg, Pa.
Filed Sept. 10, 1948, Serial No. 564,922. Published Oct. 25, 1949. Class 38.

520,064. LADIES' AND CHILDREN'S SLIPS, NIGHTGOWNS, PETTICOATS, PANTIES, AND PAJAMAS. STANLEY MAHLON STRAUSS, doing business as Santike Linnerie Company, Brownstown, Pa.
Filed Sept. 11, 1948, Serial No. 565,019. Published Oct. 18, 1949. Class 39.

520,065. DECALCOMANIAS. THOMAS E. ALLISON, doing business as AC Screen Process Company, Dallas, Tex.
Filed Sept. 13, 1948, Serial No. 565,032. Published Oct. 18, 1949. Class 38.

520,066. GIRDLES. CHIQUE FOUNDATIONS CORP., New York, N. Y.
Filed Sept. 14, 1948, Serial No. 565,115. Published Oct. 18, 1949. Class 39.

520,067. PERIODICAL PUBLISHED FROM TIME TO TIME. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed Sept. 18, 1948, Serial No. 565,457. Published Oct. 25, 1949. Class 38.

520,068. RAILWAY VEHICLE BRAKE BEAMS, BRAKE BEAM HEADS, BRAKE BEAM TRUSSES, BRAKE BEAM STRUTS, AND BRAKE BEAM COMPRESSION, TENSION AND END MEMBERS. CHICAGO RAILWAY EQUIPMENT COMPANY, Chicago, Ill.
Filed Sept. 20, 1948, Serial No. 565,529. Published Sept. 13, 1949. Class 19.

520,069. DAILY NEWSPAPER. KINSTON FREE PRESS COMPANY, INC., Kinston, N. C.
Filed Oct. 1, 1948, Serial No. 566,236. Published Oct. 18, 1949. Class 38.

520,070. PERIODICAL PRINTED PUBLICATIONS. Lutterworth Periodicals Limited, London, Redhill, England.
Filed Oct. 4, 1948, Serial No. 566,391. Published Oct. 18, 1949. Class 38.

520,071. GREETING CARDS. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed Oct. 4, 1948, Serial No. 566,407. Published Oct. 25, 1949. Class 38.

520,072. AUTOMOBILE ACCESSORIES—NAMELY, FENDER SCUFF PLATES, AND GASOLINE DOOR GUARDS. ALLEN PRODUCTS CORPORATION, Detroit, Mich.
Filed Oct. 9, 1948, Serial No. 566,738. Published Oct. 11, 1949. Class 19.

520,073. TABLETS FOR DISSOLUTION IN WATER TO FORM A SATURANT FOR BABIES' DIAPERS TO PREVENT DIAPER RASH. COLUMBIA CHEMICAL COMPANY, INC., Chicago, Ill.
Filed Oct. 9, 1948, Serial No. 566,748. Published Oct. 4, 1949. Class 18.

520,074. REPOSITORY MEDICINAL PREPARATION FOR THE TREATMENT OF BACTERIAL INFECTIONS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Oct. 12, 1948, Serial No. 566,902. Published Oct. 4, 1949. Class 18.

520,075. MEDICINAL PREPARATION FOR THE TREATMENT OF NUTRITIONAL DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Oct. 12, 1948, Serial No. 566,903. Published Oct. 4, 1949. Class 18.

520,076. ADJUNCTIVE DIETARY SUPPLEMENT. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Oct. 19, 1948, Serial No. 567,213. Published Oct. 4, 1949. Class 18.

520,077. PREPARATION USEFUL IN PROTEIN THERAPY. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Oct. 19, 1948, Serial No. 567,214. Published Oct. 4, 1949. Class 18.

520,078. MAGAZINE FEATURE. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed Oct. 21, 1948, Serial No. 567,417. Published Oct. 25, 1949. Class 38.

520,079. PAINT, IN PASTE, SEMI-PASTE, AND LIQUID FORM. GILMAN PAINT AND VARNISH COMPANY, Chattanooga, Tenn.
Filed Oct. 26, 1948, Serial No. 567,632. Published Oct. 11, 1949. Class 16.

520,080. LINIMENT. R. A. GOODDING, College Point, N. Y.
Filed Oct. 19, 1948, Serial No. 567,737. Published Oct. 4, 1949. Class 18.

520,081. BICYCLES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed Nov. 12, 1948, Serial No. 568,563. Published Oct. 11, 1949. Class 19.

520,082. VARNISHES. C. A. WOOLSEY PAINT & COLOR CO. INC., New York, N. Y.
Filed Nov. 13, 1948, Serial No. 568,771. Published Oct. 11, 1949. Class 16.

520,083. HORMONE CREAM FOR SCALP AND HAIR. HARRY D. KOENIG & CO., INC., doing business under the name of Anre, New York, N. Y.
Filed Nov. 24, 1948, Serial No. 569,381. Published Oct. 4, 1949. Class 51.

520,084. SUGAR FOR TANNING LEATHER AND MANUFACTURING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Nov. 26, 1948, Serial No. 569,436. Published Oct. 4, 1949. Class 6.

520,085. URINARY ANTISEPTICS, AND PREPARATIONS FOR THE TREATMENT OF ARTHRITIS, BILIARY INFECTIONS, TYPHOID FEVER, ALL INFECTIOUS MALADIES, AND FOR USE IN THE PRESENCE OF THE COLON BACILLUS. SOCIETE ANONYME URACHIMIE, SOCIETE HENRY ROGIER, Paris, France.
Filed Nov. 30, 1948, Serial No. 569,644. Published Oct. 4, 1949. Class 18.

520,086. COAL. DAWSON COAL COMPANY, Dawson Springs, Ky.
Filed May 16, 1949, Serial No. 578,922. Published Oct. 4, 1949. Class 1.

Service Marks

520,087. ENGINEERING SERVICE COMPRISING ENGINEERING IN THE FIELD OF SPRAY DRYING INCLUDING CONSULTANT SERVICES, ETC. BOWEN ENGINEERING, INC., Garwood, N. J.
Filed Aug. 5, 1947, Serial No. 530,461. Published Oct. 4, 1949. Class 100.

520,088. UNDERWRITING OF THE FOLLOWING CLASSES OF INSURANCE: FIRE INSURANCE; ETC. AMERICAN EAGLE FIRE INSURANCE COMPANY, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,423. Published Oct. 4, 1949. Class 102.

520,089. THE UNDERWRITING BY THE NIAGARA FIRE INSURANCE COMPANY OF THE FOLLOWING CLASSES OF INSURANCE; FIRE INSURANCE, ETC. NIAGARA FIRE INSURANCE COMPANY, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,479. Published Oct. 4, 1949. Class 102.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

520,090. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANK C. GEORGE, doing business under the name and style of F. C. George Machine Co., Orlando, Fla. Original filed, act of 1905, Sept. 21, 1944; amended to application under act of 1946, Supplemental Register, June 27, 1949, Serial No. 474,446.

GEORGE
SUPER
V

FOR VIBRATORY TYPE CEMENT BLOCK-MAKING MACHINES.
Claims use since July 1, 1944.

530,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE E. HALLEMAN, JR., Wheaton, Ill. Original filed, act of 1905, Apr. 20, 1946; amended to application under act of 1946, Principal Register, Jan. 17, 1948; amended to Supplemental Register, Aug. 24, 1949, Serial No. 500,614.

ANOTHER
BIG BAG

FOR CANDIED AND SALTED POPCORN, POTATO CHIPS, AND CANDY.
Claims use since Mar. 1, 1935.

520,092. (CLASS 52. DETERGENTS AND SOAPS.) NEILSON CHEMICAL COMPANY, Detroit, Mich. Original filed, act of 1905, June 19, 1946; amended to application under act of 1946, Principal Register, Sept. 15, 1947; amended to Supplemental Register, Dec. 24, 1948, Serial No. 504,200.

Prep-Pik-L

FOR CHEMICAL PREPARATION FOR HEAVY RUST AND SCALE REMOVAL FROM METAL SURFACES EITHER BEFORE PAINTING OR WELDING.
Claims use since Jan. 2, 1943.

520,093. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) HOME PRODUCTS MANUFACTURING CO., INC., Norfolk, Va. Original filed, act of 1905, Aug. 19, 1946; amended to application under act of 1946, Supplemental Register, Mar. 3, 1948, Serial No. 507,636.

Longpoint

FOR IRONING BOARDS.
Claims use since May 1, 1946.

520,094. (CLASS 2. RECEPTACLES.) SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Original filed, act of 1905, Sept. 11, 1946; amended to application under act of 1946, Supplemental Register, June 16, 1948, Serial No. 508,863.

Ritewrap

FOR PAPER BAGS.
Claims use since July 27, 1946.

520,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAFEWAY STORES, INCORPORATED, doing business under the name Cascade Dryfruit Co., Oakland, Calif. Original filed, act of 1905, Mar. 20, 1947; amended to application under act of 1946, Supplemental Register, July 20, 1949, Serial No. 519,347.

Rosetta

FOR DRIED PRUNES.
Claims use since Feb. 14, 1947.

520,096. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLAY BARTON, Whittier, Calif. Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Principal Register, Dec. 6, 1947; amended to Supplemental Register, Oct. 21, 1949, Serial No. 520,921.



The cross-hatching indicates the color yellow.
FOR FLUORESCENT LIGHTING FIXTURES.
Claims use since Nov. 15, 1941.

520,097. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 30, 1947; amended to application, Supplemental Register, Feb. 24, 1949, Serial No. 536,255.

Laktrik Heet

FOR ELECTRICAL STOCK TANK HEATERS.
Claims use since Jan. 27, 1947.

520,098. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NALL CORPORATION, St. Charles, Ill. Original filed, act of 1946, Principal Register, Dec. 9, 1947; amended to application, Supplemental Register, July 21, 1949, Serial No. 543,827.

NALL

FOR RADIAL ARM WOODWORKING MACHINERY, RADIAL ARM SAWS, MECHANICAL PORTABLE SAWS, RADIAL ARM METAL CUTTING MACHINERY, CUT OFF SAWS, MITRE SAWS, RIP SAWS, GROOVING MACHINES, SHAPING MACHINES, AND PORTABLE SAWS.
Claims use since Jan. 24, 1947.

520,099. (CLASS 39. CLOTHING.) R. M. DAVIDSON, Fort Worth, Tex. Original filed, act of 1946, Principal Register, Dec. 22, 1947; amended to application, Supplemental Register, Sept. 12 ,1949, Serial No. 545,100.



FOR WESTERN STYLE CLOTHING—NAMELY, COWBOY BOOTS, APPAREL BELTS, LEATHER JACKETS, VESTS, HATS, CHAPS, AND OUTER SHIRTS.
Claims use since Oct. 15, 1945.

520,100. (CLASS 48. MALT BEVERAGES AND LIQUORS.) MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Dec. 22, 1947; amended to application, Supplemental Register, June 8, 1949, Serial No. 545,148.

The Friendly beer with the Friendly flavor

Applicant claims ownership of Registrations Nos. 379,037, 379,035, 379,036, 382,026, 415,763, 415,764.
FOR BEER.
Claims use since June 1945.

520,101. (CLASS 12. CONSTRUCTION MATERIALS.) THE INTERSTATE AMIESITE CO. INC., Wilmington, Del. Original filed, act of 1946, Principal Register, Jan. 2, 1948; amended to application, Supplemental Register, Mar. 8, 1949, Serial No. 545,990.

OLMAIARD
ROCK ASPHALT

FOR BITUMINOUS PAVING MATERIAL.
Claims use since Dec. 12, 1933.

520,102. (CLASS 2. RECEPTACLES.) THE MAILLARD CORP., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 10, 1948; amended to application, Supplemental Register, Aug. 5, 1949, Serial No. 546,716.

Maillard's
Velour Chest

FOR CANDY BOXES MADE OF CARDBOARD AND SHEET METAL, AND SOLD EMPTY TO THE TRADE.
Claims use since December 1932.

520,103. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) BAILEY'S BEAUTICIANS' SUPPLY CO., Chicago, Ill. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, May 3, 1949, Serial No. 548,911.



FOR MACHINE AND MACHINELESS PERMANENT WAVE SOLUTION.
Claims use since Jan. 10, 1940.

520,104. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BROWN-BROCKMEYER COMPANY, Dayton, Ohio. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, Jan. 25, 1949, Serial No. 548,916.

Lo-Rite

FOR ELECTRICAL MOTORS.
Claims use since Nov. 1, 1947.

520,105. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) DR. PEPPER COMPANY, Dallas, Tex. Original filed, act of 1946, Principal Register, Apr. 16, 1948; amended to application, Supplemental Register, Sept. 26, 1949, Serial No. 554,776.

THREE GOOD TIMES TO ENJOY LIFE MORE

Applicant claims ownership of Registrations Nos. 418,485 and 418,486.
FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS FOR MAKING SAME.
Claims use since Oct. 1, 1940; and on the clock dial design since Dec. 1, 1927.

520,106. (CLASS 39. CLOTHING.) I. GROSSMAN & SON, New York, N. Y. Original filed, act of 1946, Principal Register, May 5, 1948; amended to application, Supplemental Register, Oct. 25, 1949, Serial No. 556,261.

Nu-Look Missy Styled

FOR LADIES' AND MISSES' COATS, SUITS, SKIRTS, JACKETS, AND COAT AND SUIT ENSEMBLES.
Claims use since Feb. 3, 1947.

520,107. (CLASS 39. CLOTHING.) ENDEL PANTS CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, May 14, 1948; amended to application, Supplemental Register, Sept. 3, 1949, Serial No. 557,030.

SNUGFIT

FOR BOYS' AND MEN'S TROUSERS AND BOYS', MEN'S, AND WOMEN'S SLACKS.
Claims use since Apr. 30, 1948.

520,108. (CLASS 39. CLOTHING.) HEIDS BABE PRODUCTS, Chicago, Ill. Original filed, act of 1946, Principal Register, May 14, 1948; amended to application, Supplemental Register, Nov. 8, 1949, Serial No. 557,039.

"FEED-A-BIB"

Applicant claims ownership of Registration No. 425,884.
FOR CHILDREN'S BIBS.
Claims use since Feb. 26, 1947.

520,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPAULDING BAKERIES, INC., Binghamton, N. Y. Original filed, act of 1946, Principal Register, May 18, 1948; amended to application, Supplemental Register, Nov. 8, 1949, Serial No. 557,317.

Duo Pak

Applicant claims ownership of Registration No. 383,682.
FOR BAKERY PRODUCTS—NAMELY, BREAD.
Claims use since Apr. 5, 1948.

520,110. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) NELSON DREYFUSS, doing business as Dreyfuss Co., Buffalo, N. Y. Original filed, act of 1946, Principal Register, July 1, 1948; amended to application, Supplemental Register, Sept. 2, 1949, Serial No. 560,552.

CURLTITE

FOR HAIR CURLING FLUID.
Claims use since October 1947.

520,111. (CLASS 39. CLOTHING.) JOSEPH GOLDBERG & SONS, INC., Paterson, N. J. Original filed, act of 1946, Principal Register, July 7, 1948; amended to application, Supplemental Register, Nov. 9, 1949, Serial No. 560,806.

FASHIONED BY Van Houten

FOR LADIES' SUITS AND COATS.
Claims use since Mar. 1, 1948.

520,112. (CLASS 39. CLOTHING.) PETER PAN FOUNDATIONS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, July 16, 1948; amended to application, Supplemental Register, Nov. 7, 1949, Serial No. 561,580.

BAND-EZE

FOR BRASSIÈRES.
Claims use since July 1, 1948.

520,113. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) LA CIE ANTIBITOL LIMITEE, also doing business as Antibitol Company Limited, Montreal, Quebec, Canada. Original filed, act of 1946, Principal Register, July 22, 1948; amended to application, Supplemental Register, Aug. 31, 1949, Serial No. 561,927.

Rondeau's MEDICINE

Applicant claims priority under Sec. 44d. Applicant claims ownership of Canadian Registration No. 199,070, dated Apr. 20, 1948.
FOR MEDICINAL PREPARATIONS COMPOSED OF HERBS AND VITAMINS TO BE TAKEN AS AN AID IN MINOR AFFECTIONS OF THE RESPIRATORY TRACT, COUGHS, COLDS, EXZEMA AND MINOR SKIN AFFECTIONS.

520,114. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) RAYCREST MILLS, INC., New York, N. Y. Filed Mar. 28, 1949, Serial No. 563,754.

IT'S THE "Know how" THAT COUNTS

FOR RAYON, COTTON AND WOOLEN PIECE GOODS, AND MIXTURES THEREOF.
Claims use since Mar. 16, 1948.

520,115. (CLASS 2. RECEPTACLES.) MENASHA WOODEN WARE CORPORATION, Menasha, Wis. Original filed, act of 1946, Principal Register, Sept. 25, 1948; amended to application, Supplemental Register, Oct. 29, 1949, Serial No. 565,881.

Bi-Way

FOR WOOD FRAMED FIBRE BOXES.
Claims use since Sept. 14, 1948.

520,116. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) THE CHASE-SHAWMUT COMPANY, Newburyport, Mass. Filed Nov. 17, 1948, Serial No. 568,934.

BLAC-LINK

Applicant claims ownership of Registration No. 322,010.
FOR PLUG TYPE ELECTRIC FUSES AND FUSE LINKS THEREFOR.
Claims use since September 1933.

520,117. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SAMUEL BROWN, doing business as Brown & Brown, Mobile, Ala. Original filed, act of 1946, Principal Register, Jan. 12, 1949; amended to application, Supplemental Register, Nov. 3, 1949, Serial No. 572,012.

WEATHER-TITE

FOR CANVAS PRODUCTS—NAMELY TARPAULINS, AWNINGS, TRUCK COVERS AND HATCH COVERS.
Claims use since Sept. 1, 1946.

520,118. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) GRALNICK BROTHERS, INCORPORATED, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Feb. 25, 1949; amended to application, Supplemental Register, Oct. 28, 1949, Serial No. 574,507.

"STYLITE"

FOR OVERNIGHT CASES, WARDROBES, PULLMANS, HAT AND SHOE CASES, TRAIN CASES, FORTNIGHTERS, TWO-SUITERS, ZIPPER BAGS AND OVERSEAS BAGS.
Claims use since Jan. 16, 1940.

Service Mark

520,119. (CLASS 103. CONSTRUCTION AND REPAIR.) LITTLE GREY GIFT SHOP, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 24, 1948; amended to application, Supplemental Register, June 9, 1949, Serial No. 569,384.

"WE MEND ALL BUT BROKEN HEARTS"

FOR REPAIRING CHINA BRIC-A-BRAC, JEWELRY, SILVERWARE, BRASS, PEWTER, WATCHES, AND FOR POLISHING AND LACQUERING METAL ARTICLES.
Claims use since Nov. 15, 1947.

TRADE-MARK REGISTRATIONS RENEWED

34,413. "MILKMAID" AND DRAWING. Registered Apr. 3, 1900. Anglo-Swiss Condensed Milk Company. Renewed Apr. 3, 1950, to The Nestlé Company, Inc., New York, N. Y., a corporation of New York. MILK—CRUDE, CONDENSED, OR STERILIZED; CREAM—CRUDE, CONDENSED, OR STERILIZED; AND BUTTER AND BUTTERMILK. Class 46.

73,469. CASTELL. Registered Apr. 20, 1909. A. W. Faber, Stein, Germany. Re-renewed Apr. 20, 1949, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. RUBBER BANDS. Class 37.

75,494. "BEEHIVE BRAND" AND REPRESENTATION OF BEE HIVE. Registered Oct. 5, 1909. The Will & Baumer Company. Re-renewed Oct. 5, 1949, to Will & Baumer Candle Co., Inc., Syracuse, N. Y., a corporation of New York. BEESWAX, BOTH WHITE AND YELLOW. Class 6.

75,735. PERMANITE. Registered Nov. 9, 1909. Turner Bros. Ltd., Rochdale, England. Re-renewed Nov. 9, 1949, to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania. PACKING AND JOINTING MATERIALS MADE OF ASBESTOS, FLAX, HEMP, ETC. Class 35.

76,049. COMMODORE. Registered Dec. 7, 1909. A. W. Faber, Stein, near Nuremberg, and Berlin, Germany. Re-renewed Dec. 7, 1949, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. LEAD PENCILS, COLORED PENCILS AND COPYING INK PENCILS, INK AND PENCIL ERASERS. Class 37.

76,110. "CASTELL" AND DESIGN. Registered Dec. 14, 1909. A. W. Faber, Stein, Germany. Re-renewed Dec. 14, 1949, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. RUBBER BANDS. Class 37.

76,145. IDEAL. Registered Dec. 21, 1909. Fellows & Hopkins. Re-renewed Dec. 21, 1949, to Ideal Wrapping Machine Company, Middletown, N. Y., a corporation of New York. WRAPPING-MACHINES. Class 23.

76,307. MATTONA. Registered Jan. 4, 1910. Buffalo Oil Paint & Varnish Company. Re-renewed Jan. 4, 1950, to McDougall-Butler Co., Inc., Buffalo, N. Y., a corporation of New York. PAINT. Class 16.

76,332. V. Registered Jan. 4, 1910. Oneida Community, Limited, Oneida, N. Y. Re-renewed Jan. 4, 1950, to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania. ANIMAL-TRAPS. Class 50.

76,696. GIANT. Registered Feb. 8, 1910. Mitts & Merrill, Saginaw, Mich., a corporation of Michigan. Re-renewed Feb. 8, 1950. KEY-SEATING MACHINES. Class 23.

77,328. "BEAR" ETC. AND DESIGN. Registered Mar. 29, 1910. Ontario-Cucamonga Fruit Exchange, also doing business as O. K. Fruit Exchange, Upland, Calif., a corporation of California. Re-renewed Mar. 29, 1950. CITRUS FRUITS. Class 46.

258,461. E-ZEE. Registered July 9, 1929. Universal Novelty Company, Philadelphia, Pa. Renewed July 9, 1949, to Noesting Pin Ticket Company, Incorporated, New York, N. Y., a corporation of New York. CLIPS FOR ATTACHING ORNAMENTS TO CHRISTMAS TREES. Class 13.

261,333. GLENCOE NEWS. Registered Sept. 17, 1929. Lloyd Hollister, Inc., Wilmette, Ill., a corporation of Illinois. Renewed Sept. 17, 1949. PERIODICAL ISSUED WEEKLY. Class 38.

261,511. THE EVANSTON REVIEW. Registered Sept. 17, 1929. North Shore Publishing Company, Evanston, Ill., a corporation of Illinois. Renewed Sept. 17, 1949. A PERIODICAL ISSUED WEEKLY. Class 38.

261,512. WILMETTE LIFE. Registered Sept. 17, 1929. Lloyd Hollister, Inc., Wilmette, Ill., a corporation of Illinois. Renewed Sept. 17, 1949. PERIODICAL ISSUED WEEKLY. Class 38.

261,513. WINNETKA TALK. Registered Sept. 17, 1929. Lloyd Hollister, Inc., Wilmette, Ill., a corporation of Illinois. Renewed Sept. 17, 1949. PERIODICAL ISSUED WEEKLY. Class 38.

262,184. REPRESENTATION OF MUSIC NOTES. Registered Oct. 1, 1929. Columbia Phonograph Company, Inc. Renewed Oct. 1, 1949, to Columbia Records Inc., Bridgeport, Conn., a corporation of Delaware. ELECTRIC PHONOGRAPHS AND ELECTRIC PHONOGRAPHS ADAPTED FOR COMBINATION WITH RADIO RECEIVING SETS. Class 36.

262,598. TISHU-TIES. Registered Oct. 15, 1929. Norcross. Renewed Oct. 15, 1949, to Norcross, Inc., New York, N. Y., a corporation of New York. PAPER RIBBON. Class 7.

262,648. PRESIDENT. Registered Oct. 15, 1929. American Lead Pencil Company, New York, N. Y. Renewed Oct. 15, 1949, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York. LEAD PENCILS. Class 37.

262,788. OVERLAND. Registered Oct. 22, 1929. United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 22, 1949. PLASTER. Class 12.

263,502. REPRESENTATION OF ARMATURE WITHIN CIRCLE. Registered Nov. 5, 1929. Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Nov. 5, 1949. CARBURETORS AND FUEL-INJECTION DEVICES FOR INTERNAL-COMBUSTION MOTORS, COMPRISING FUEL-INJECTION PUMPS, NOZZLES, JETS, NOZZLE HOLDERS, PIPES. Class 23.

263,506. ROCKWEAVE. Registered Nov. 5, 1929. Rockweave Mills, Division Callaway Mills. Renewed Nov. 5, 1949, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia. WOVEN FABRIC BAGS, WHICH MAY BE MADE OF ANY DESIRED MATERIAL. Class 2.

263,730. KENO. Registered Nov. 12, 1929. Western Clock Company, Peru, Ill. Renewed Nov. 12, 1949, to General Time Corporation, La Salle, Ill., a corporation of Delaware. CLOCKS AND WATCHES. Class 27.

263,814. NITROGEN. Registered Nov. 12, 1929. Synthetic Nitrogen Products Corporation, assignor to Synthetic Nitrogen Products Corporation. Renewed Nov. 12, 1949, to Synthetic Nitrogen Products Corporation, New York, N. Y., a corporation of New York. MONTHLY PUBLICATION. Class 38.

263,980. FIRTHITE. Registered Nov. 12, 1929. Firth-Sterling Steel Company. Renewed Nov. 12, 1949, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania. ALLOYS AND METAL AGGREGATE COMPOSITIONS AND METALS PARTICULARLY INTENDED FOR TOOL AND DIE PURPOSES. Class 14.

264,113. COUNTRY CLUB. Registered Nov. 19, 1929. Western Clock Company, Peru, Ill. Renewed Nov. 19, 1949, to General Time Corporation, LaSalle, Ill., a corporation of Delaware. CLOCKS AND WATCHES. Class 27.

264,174. "EVERMORE" ETC. AND DESIGN. Registered Nov. 19, 1929. Emanuel H. Thalheimer, doing business as A. Kafka & Co. Renewed Nov. 19, 1949, to A. Kafka & Co., Inc., New Haven, Conn., a corporation of Connecticut. CIGARS. Class 17.

264,215. SUCROVERT. Registered Nov. 19, 1929. The Lactein Co., San Francisco, Calif. Renewed Nov. 19, 1949, to American Molasses Company, New York, N. Y., a corporation of New York. SUGAR. Class 46.

264,528. ENVELOPES BY OLD COLONY. Registered Nov. 26, 1929. Old Colony Envelope Company, Westfield, Mass., a corporation of Massachusetts. Renewed Nov. 26, 1949. ANNOUNCEMENT CARDS AND MAILING ENVELOPES. Class 37.

264,614. "RED A" ETC. AND DESIGN LINED FOR RED AND GREEN. Registered Nov. 26, 1929. Aubrey & Company, Louisville, Ky., a firm. Renewed Nov. 26, 1949. HORSE, POULTRY, DAIRY, AND STOCK FEEDS. Class 46.

264,640. SOLROS. Registered Dec. 3, 1929. The Newport Company, Carrollville, Wis. Renewed Dec. 3, 1949, to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware. ROSIN. Class 1.

264,649. RED TOP. Registered Dec. 3, 1929. United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 3, 1949. PLASTER AND METAL REINFORCEMENT. Class 12.

264,739. FIRTHALOY. Registered Dec. 3, 1929. Firth-Sterling Steel Company. Renewed Dec. 3, 1949, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania. ALLOYS AND METAL AGGREGATE COMPOSITIONS AND METALS PARTICULARLY INTENDED FOR TOOL AND DIE PURPOSES. Class 14.

264,784. NEWHOUSE. Registered Dec. 3, 1929. Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania. Renewed Dec. 3, 1949. SNARES. Class 50.

265,108. REPRESENTATION OF SEAL AND BORDER (SEAL LINED FOR RED; BORDER IS GREEN). Registered Dec. 17, 1929. General Baking Company, New York, N. Y., a corporation of New York. Renewed Dec. 17, 1949. BREAD. Class 46.

265,126. "MONSANTO CHEMICAL WORKS" ETC. AND DESIGN. Registered Dec. 17, 1929. Monsanto Chemical Works. Renewed Dec. 17, 1949, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. ACETANILID, ACETPHENETIDIN (PHENACETIN), ACID SALICYLIC, ETC. Class 6.

265,127. SANTICIZER. Registered Dec. 17, 1929. Monsanto Chemical Works. Renewed Dec. 17, 1949, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. PLASTICIZERS OR SOFTENERS USED IN CONNECTION WITH CELLULOSE ACETATE, CELLULOSE NITRATE, CELLULOID, SYNTHETIC RESINS, AND TO SOME EXTENT IN THE SIZING OF TEXTILES. Class 6.

265,162. MANIOL. Registered Dec. 17, 1929. Henrik Gahns Aktiebolag, Upsala and Stockholm, Sweden. Renewed Dec. 17, 1949, to Henrik Gahns Aktiebolag, Uppsala, Sweden, a corporation organized under the laws of Sweden. COSMETICS, NAMELY—FACE POWDERS, TALCUM POWDERS, ROUGE, SKIN CREAMS, AND FACE CREAMS, AND SHAMPOOING POWDER. Class 51.

265,445. AMAL. Registered Dec. 24, 1929. Amalgamated Carburetters Limited. Renewed Dec. 24, 1949, to Amal Limited, Birmingham, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. CARBURETTORS, AIR CLEANERS FOR CARBURETTORS, AND HANDLEBAR-CONTROL MECHANISM FOR INTERNAL COMBUSTION ENGINES. Class 23.

265,549. ACOUSTONE. Registered Dec. 31, 1929. United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 31, 1949. SOUND-ABSORBING MATERIAL FOR APPLICATION TO THE WALLS OF BUILDINGS. Class 12.

265,849. "GARLOCK 377" ETC. AND DESIGN. Registered Jan. 7, 1930. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 7, 1950. PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND BABBITT. Class 35.

266,338. BOND BAKERS. Registered Jan. 14, 1930. General Baking Company, New York, N. Y., a corporation of New York. Renewed Jan. 14, 1950. BREAD, ROLLS, DOUGHNUTS, COOKIES, AND CAKE. Class 46.

266,449. "BARBEAD" AND DESIGN. Registered Jan. 21, 1930. The Bead Chain Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut. Renewed Jan. 21, 1950. CHAINS OF METAL—NAMELY, PULL SOCKET CHAIN, PLUMBING CHAINS, AND KEY CHAINS. Class 13.

266,468. BRITLAND. Registered Jan. 21, 1930. Steinberger Bros. Glove Corp. Renewed Jan. 21, 1950, to Aris Gloves, Inc., New York, N. Y., a corporation of California. LEATHER AND FABRIC GLOVES. Class 39.

266,524. RED TOP. Registered Jan. 28, 1930. United States Radiator Corporation, Detroit, Mich., a corporation of New York. Renewed Jan. 28, 1950. HOUSE-HEATING BOILERS BURNING SOLID, LIQUID, OR GASEOUS FUEL. Class 34.

266,582. MILL SUPPLIES. Registered Jan. 28, 1930. Electrical Trade Publishing Company, Chicago, Ill. Renewed Jan. 28, 1950, to McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York. PERIODICAL. Class 38.

266,691. NO. 999 KEROSENE. Registered Jan. 28, 1930. R. E. Dietz Company, New York, N. Y., a corporation of New York. Renewed Jan. 18, 1950. OIL-BURNING LANTERNS AND PARTS THEREOF. Class 34.

266,794. REARDON'S. Registered Feb. 4, 1930. The Reardon Company, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 4, 1950. PATCHING PLASTER. Class 12.

266,803. NATURCLEFT. Registered Feb. 4, 1930. American Blue Stone Co., Warsaw and New York, N. Y. Renewed Feb. 4, 1950, to American Blue Stone Co., Portageville, N. Y., a corporation of New York. FLAGSTONES. Class 12.

267,018. PERKY PEGGY. Registered Feb. 11, 1930. Sidney A. Sexton, Exeter, Calif. Renewed Feb. 11, 1950, to Fruit Growers Service Co., Fresno, Calif., a corporation of California. FRESH GRAPES. Class 46.

267,021. SLUMBER QUEEN. Registered Feb. 11, 1930. Derry-Made Products, Inc., Boston, Mass. Renewed Feb. 11, 1950, to Rose-Derry Company, Newton, Mass., a corporation of Massachusetts. MATTRESSES. Class 32.

267,161. CRYSTAL VALVE (UNDERSCORED WITH DOUBLE LINE). Registered Feb. 11, 1930. Electric Service Supplies Company. Renewed Feb. 11, 1950, to Electric Service Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. LIGHTNING ARRESTERS. Class 21.

267,315. EAGLE. Registered Feb. 18, 1930. Gebhardt Chili Powder Company, San Antonio, Tex., a corporation of Texas. Renewed Feb. 18, 1950. CHILI CON CARNE, CHILI POWDER, SANDWICH SPREAD, RICE WITH CHILI, ETC. Class 46.

267,860. KRIM KO. Registered Feb. 18, 1930. Krem-Ko Company. Renewed Feb. 18, 1950, to Krim-Ko Corporation, Chicago, Ill., a corporation of Illinois. NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERERAGES SOLD AS SOFT DRINKS. Class 45.

267,795. "NO-TARE" AND DRAWING. Registered Mar. 4, 1930. Gilman Paper Company, New York, N. Y., a corporation of New Hampshire. Renewed Mar. 4, 1950. PAPER BAGS. Class 2.

267,838. PETROBENZOL. Registered Mar. 4, 1930. Anderson-Prichard Oil Corporation. Renewed Mar. 4, 1950, to Anderson-Prichard Oil Corporation, Oklahoma City, Okla., a corporation of Delaware. PETROLEUM BY-PRODUCT CUT TO SPECIFICATIONS FOR THE PURPOSE OF REPLACING THE USE OF BENZOL TO THE LACQUER AND RUBBER INDUSTRIES. Class 6.

267,884. FIRTHALOY. Registered Mar. 4, 1930. Firth-Sterling Steel Company. Renewed Mar. 4, 1950, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania. TOOLS FOR TURNING, BORING, PLANING, SLOTTING, THREADING, ETC. Class 23.

267,885. FIRTHITE. Registered Mar. 4, 1930. Firth-Sterling Steel Company. Renewed Mar. 4, 1950, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania. TOOLS FOR TURNING, BORING, PLANING, SLOTTING, THREADING, ETC. Class 23.

267,934. VARSITY. Registered Mar. 4, 1930. Hanover Rubber Company, West Hanover, Mass., a corporation of Massachusetts. Renewed Mar. 4, 1950. RUBBER HEELS, SOLES, AND HALF SOLES. Class 39.

268,018. MEXKO. Registered Mar. 4, 1930. A. P. Green Fire Brick Company, Mexico, Mo., a corporation of Missouri. Renewed Mar. 4, 1950. FIRE BRICK. Class 12.

268,179. GORDON INDIVIDUALLY-PROPORTIONED STOCKINGS. Registered Mar. 11, 1930. Brown Durrell Co., Boston, Mass., and New York, N. Y. Renewed Mar. 11, 1950, to Brown Durrell Co., New York, N. Y., a corporation of Massachusetts. HOSIERY. Class 39.

268,355. "RED SPOT" AND DESIGN LINED FOR RED. Registered Mar. 11, 1930. Red Spot Paint & Varnish Co., Inc., Evansville, Ind., a corporation of Indiana. Renewed Mar. 11, 1950. CLEANER BOTH CAUSTIC AND ABRASIVE, IN PASTE AND LIQUID FORM FOR FLOORS, FURNITURE, WOODWORK, WALLS, ETC. Class 4.

268,397. LUMBERJACK. Registered Mar. 11, 1930. Robert Gaylord Incorporated. Renewed Mar. 11, 1950, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland. FIBREBOARD PACKING CASES. Class 2.

268,509. "THE VOICE OF THE MOVIES" AND DESIGN. Registered Mar. 18, 1930. Powers Cinephone Equipment Corporation. Renewed Mar. 18, 1950, to Altec Lansing Corporation, New York, N. Y., a corporation of Delaware. APPARATUS AND PARTS THEREOF FOR THE SYNCHRONOUS PRODUCTION AND REPRODUCTION OF TALKING MOTION PICTURES OR OTHER SOUND AND LIGHT EFFECTS. Class 26.

268,510. "TETLEY TEA" ETC. AND DRAWING LINED FOR GOLD, GREEN, AND RED. Registered Mar. 18, 1930. Joseph Tetley & Co., Inc. Renewed Mar. 18, 1950, to Tetley Tea Co., Inc., New York, N. Y., a corporation of New York. TEA. Class 46.

268,702. JOLES SEVEN BARKS COMPOUND. Registered Mar. 18, 1930. Bessie L. Joles, Eau Claire, Wis. Renewed Mar. 18, 1950, to Bessie L. Joles, Stevens Point, Wis. MEDICINAL PREPARATION FOR THE TREATMENT OF RHEUMATISM AND FOR PURIFYING THE BLOOD. Class 18.

268,815. THE N. C. R. CO. Registered Mar. 18, 1930. The National Cash Register Company, Dayton, Ohio, a corporation of Maryland. Renewed Mar. 18, 1950. CALCULATING, COMPUTING, AND ACCOUNTING MACHINES, ETC. Class 26.

268,939. AKUPPA. Registered Mar. 25, 1930. C. W. Antrim & Sons. Renewed Mar. 25, 1950, to C. W. Antrim & Sons., Richmond, Va., a firm. COFFEE. Class 46.

268,971. MOLLÉ (MŌ-LAY). Registered Mar. 25, 1930. The Mollé Company, Cleveland, Ohio. Renewed Mar. 25, 1950, to Sterling Drug Inc., New York, N. Y., a corporation of Delaware. TOILET PREPARATIONS—VIZ., SHAVING EMOLLIENT. Class 51.

268,995. TAMPA MORNING TRIBUNE. Registered Mar. 25, 1930. The Tribune Company, Tampa, Fla., a corporation of Florida. Renewed Mar. 25, 1950. DAILY NEWSPAPER. Class 38.

269,209. EZMTY. Registered Apr. 1, 1930. Southwest Pump Company, Bonham, Tex., a corporation of Texas. Renewed Apr. 1, 1950. BARREL TRUCKS CONVERTIBLE TO PORTABLE STANDS. Class 19.

269,259. GIBRALTER. Registered Apr. 1, 1930. P. H. Ma Girl Foundry & Furnace Works. Renewed Apr. 1, 1950, to MaGirl Foundry & Furnace Co., Bloomington, Ill., a corporation of Delaware. FURNACES, HEATING SYSTEMS, AND PARTS THEREOF. Class 34.

269,334. BEGIN THE DAY WITH PYCOPÉ. Registered Apr. 1, 1930. Pycopé Incorporated, Joplin, Mo. Renewed Apr. 1, 1950, to Pycopé Incorporated, Jersey City, N. J., a corporation of Missouri. TOOTH POWDER. Class 51.

269,340. "LION" AND HERALDIC DESIGN. Registered Apr. 1, 1930. Nestle's Food Company, Inc. Renewed Apr. 1, 1950, to Nestlé Company, Inc., New York, N. Y., a corporation of New York. CONDENSED MILK, EVAPORATED MILK, POWDERED MILK, MALTED MILK, AND CHEESE. Class 46.

269,500. "DOT" AND REPRESENTATION OF DOT. Registered Apr. 8, 1930. The Janszen Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Apr. 8, 1950. COFFEE; CANNED FRUITS—NAMELY, APPLES, PEACHES, PINEAPPLE, ETC. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

156,231. "McGREGOR" AND DESIGN. Registered June 20, 1922. David D. Doniger & Co., Inc., New York, N. Y. CAPS FOR MEN. Class 39. Corrected as follows: In the certificate, lines 2 and 17; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, the comma following "Co." should be deleted.

236,466. WEE "McGREGOR" AND DESIGN. Registered Dec. 13, 1927. David D. Doniger & Co., New York, N. Y. SPORT WEAR—VIZ., SWEATERS, HOSE, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 2 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

282,235. "AMCO" AND DESIGN. Registered Apr. 14, 1931. The American Metal Company (Limited) New York, N. Y. METAL PRODUCTS—NAMELY, COPPER IN CAKES, BARS, ETC. Class 14. Amended as follows: In the statement, lines 8 and 9, " , bars, or ingots—" is deleted, and *or bars,* is inserted in lieu thereof.

312,221. BAGPIPE. Registered Apr. 24, 1934. David D. Doniger & Co., New York, N. Y. SPORTSWEAR—NAMELY, LEATHER JACKETS, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

327,274. "SEA DEVIL" AND DESIGN. Registered Aug. 20, 1935. David D. Doniger & Co., New York, N. Y. SPORTSWEAR—NAMELY, BATHING TRUNKS, SWEATERS, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

357,584. "McGREGOR" AND DESIGN. Registered June 7, 1938. David D. Doniger & Co., Inc., New York, N. Y. MEN'S AND BOYS' SWEATERS, LEATHER AND CLOTH SPORT JACKETS, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, the comma following "Co." should be deleted.

369,242. SEAS' PORT. Registered July 18, 1939. David D. Doniger & Co., New York, N. Y. MEN'S, WOMEN'S, AND CHILDREN'S BATHING TRUNKS AND BATHING SUITS. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

381,923. THREE-SEMBLE. Registered Oct. 15, 1940. David D. Doniger & Company, New York, N. Y. SHIRTS AND SLACKS FOR MEN AND BOYS. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Company" should be *Co. Inc.*

391,626. "BREEFER" AND DESIGN. Registered Nov. 18, 1941. David D. Doniger & Co., New York, N. Y. SPORT COATS FOR MEN AND BOYS. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

394,309. SCOTLIN. Registered Mar. 31, 1942. David D. Doniger & Co., New York, N. Y. MEN'S AND BOYS' SLACKS, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

401,653. "McGREGOR" AND DESIGN. Registered May 25, 1943. David D. Doniger & Co., New York, N. Y. MEN'S AND BOYS' SPORTS COATS. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

414,931. ELBAHSAW. Registered July 3, 1945. David D. Doniger & Co., Inc., New York, N. Y. MEN'S AND BOYS' SPORT AND DRESS SHIRTS, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, the comma following "Co." should be deleted.

420,301. "PROTAVENE" AND DESIGN. Registered Apr. 2, 1946. Consumers Foodcraft Corporation, Brooklyn, N. Y. ENRICHING AGENT FOR FOODS, ETC. Class 46. Amended as follows: In the statement, column 1, lines 8, 9, 10, and 11, "baked goods and fillings in candy, mayonnaise, containing provitamin A, lecithin, carotene in vegetable oil, cereals," is deleted, and *bakery goods, containing provitamin A* is inserted in lieu thereof.

428,207. DONITHERM. Registered Mar. 11, 1947. David D. Doniger & Co., Inc., New York, N. Y. MEN'S, BOYS' AND WOMEN'S JACKETS, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, the comma following "Co." should be deleted.

436,484. MOORAGHA. Registered Feb. 10, 1948. David D. Doniger & Co., Inc., New York, N. Y. MEN'S AND BOYS' SWEATERS. Class 39. Corrected as follows: In the certificate, lines 2 and 15; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, the comma following "Co." should be deleted.

515,087. SPORTSMAN. Registered Sept. 13, 1949. The Brunswicke-Balke-Collender Company, Chicago, Ill. BILLIARD TABLES AND BILLIARD CUES. Class 22. Corrected as follows: In the declaration, line 2, for "Sierra Madre" read *The Brunswick.*

517,454. ALBA. Registered Nov. 8, 1949. Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Class 39. Corrected as follows: In the certificate, line 4, and in the statement, lines 2 and 3, first occurrence, "North Carolina" should be *Delaware.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

260,937. TORCH. Registered Sept. 3, 1929. Renewed Sept. 3, 1949. Torch Oil Company. GASOLINE, KEROSENE, ETC. Class 15. New certificate under section 7(c) issued Jan. 17, 1950, to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 260,732. Registered Aug. 27, 1929. TEMPLETON COAL COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

THE WONDER COAL

The word "Coal" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Sept. 1, 1920.

Reg. No. 262,867. Registered Oct. 29, 1929. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J. Republished by Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey.

KREST

FOR POWDERED ALUM, SODIUM BICARBONATE, POWDERED BORAX, POWDERED BORIC ACID, WHOLE FLAXSEED, AND GROUND FLAXSEED.
Claims use since June 20, 1929.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 182,724. Registered Apr. 15, 1924. EDMUNDO B. FERNANDEZ, Bayamon, P. R. Republished by registrant.



The terms "Santa Ana" and "Alcoholado" are disclaimed apart from the mark as shown.
FOR "ALCOHOLADO," WHICH IS A PREPARATION COMPOSED OF PURE RECTIFIED ALCOHOL HOLDING IN PERFECT SOLUTION AND COMBINATION THE ACTIVE PRINCIPLES OF VARIOUS AROMATIC AND BALSAMIC PLANTS.
Claims use since June 1920.

Reg. No. 262,867. Registered Oct. 29, 1929. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J. Republished by Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey.

KREST

FOR POWDERED ALUM, SODIUM BICARBONATE, POWDERED BORAX, POWDERED BORIC ACID, WHOLE FLAXSEED, AND GROUND FLAXSEED.
Claims use since June 20, 1929.

Reg. No. 413,604. Registered May 1, 1945. ORVILLE E. McKIM, doing business as McKim Dental Service, Port Chester, N. Y. Republished by registrant.

NODOR

FOR DEODORIZING SOLUTION FOR USE IN MASKING HOUSEHOLD ODORS SUCH AS ODORS OF FOOD.
Claims use since Feb. 1, 1943.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 124,823. Registered Mar. 18, 1919. THE DIAMOND MATCH CO., Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since May 1913.

Reg. No. 171,995. Registered Aug. 21, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since March 1905.

Reg. No. 175,032. Registered Oct. 30, 1923. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since April 1913.

Reg. No. 189,981. Registered Sept. 30, 1924. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



The drawing is lined for blue and red. The words "Safety-Strike Anywhere" and "Matches" are disclaimed apart from the mark as shown.
FOR MATCHES.
Claims use since March 1924.

Reg. No. 269,871. Registered Apr. 22, 1930. THE DIAMOND MATCH COMPANY, Chicago, Ill. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since November 1927.

Reg. No. 306,714. Registered Sept. 26, 1933. THE DIAMOND MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

SIGNAL LIGHT

FOR MATCHES.
Claims use since January 1898.

Reg. No. 306,715. Registered Sept. 26, 1933. THE DIAMOND MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



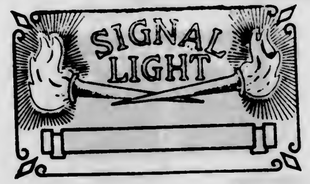
FOR MATCHES.
Claims use since Jan. 19, 1933.

Reg. No. 306,716. Registered Sept. 26, 1933. THE DIAMOND MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.

GREEN GODDESS

FOR MATCHES.
Claims use since October 1927.

Reg. No. 306,719. Registered Sept. 26, 1933. THE DIAMOND MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since Feb. 13, 1933.

Reg. No. 407,427. Registered June 6, 1944. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



All the wording appearing on the drawing except the words "First" and "Own" are disclaimed apart from the mark as shown.
FOR MATCHES.
Claims use since January 1934.

Reg. No. 407,428. Registered June 6, 1944. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



All wording appearing on the drawing except the word "Own" is disclaimed apart from the mark as shown.
FOR MATCHES.
Claims use since January 1934.

Reg. No. 408,361. Registered Aug. 8, 1944. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



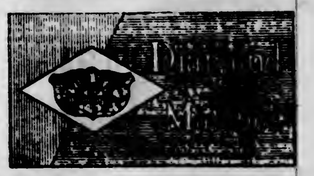
All the wording shown on the drawing is disclaimed apart from the mark as shown except the words "Ideal" and "Own." The drawing is lined for green and red.
FOR MATCHES.
Claims use since January 1934.

Reg. No. 415,696. Registered Aug. 14, 1945. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Republished by The Diamond Match Company, New York, N. Y., a corporation of Delaware.



FOR MATCHES.
Claims use since January 1931.

Reg. No. 421,351. Registered May 28, 1946. THE DIAMOND MATCH COMPANY, New York, N. Y., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address New York, N. Y.



The word "Matches" is disclaimed apart from the mark as shown. The drawing is lined for red and blue.
FOR MATCHES.
Claims use since Dec. 11, 1944.

Reg. No. 421,352. Registered May 28, 1946. THE DIAMOND MATCH COMPANY, New York, N. Y., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address New York, N. Y.



The drawing is lined for red and blue. The word "Matches" is disclaimed apart from the mark as shown.
FOR MATCHES.
Claims use since Jan. 19, 1945.

Reg. No. 421,711. Registered June 11, 1946. THE DIAMOND MATCH COMPANY, New York, N. Y., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address New York, N. Y.



The words "Matches" and "Brand" are disclaimed apart from the mark as shown. The drawing is lined for blue and red.
FOR MATCHES.
Claims use since Dec. 11, 1944.

Reg. No. 421,712. Registered June 11, 1946. THE DIAMOND MATCH COMPANY, New York, N. Y., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address New York, N. Y.



The drawing is lined for blue and red. The words "Matches," "Brand" and "American" are disclaimed apart from the mark as shown.
FOR MATCHES.
Claims use since Nov. 30, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 262,363. Registered Oct. 8, 1929. DIAMOND EXPANSION BOLT CO., Garwood, N. J. Republished by Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey.

DI ◆ STAMPT

The word "Stampt" is disclaimed apart from the mark as shown.
FOR METAL CONDUIT CLAMPS AND METAL PIPE CLAMPS AND METAL PIPE FITTINGS AND METAL CONDUIT FITTINGS.
Claims use since on or about Jan. 15, 1929.

Reg. No. 264,203. Registered Nov. 19, 1929. DIAMOND EXPANSION BOLT CO., Garwood, N. J. Republished by Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey.

DIAMOND

FOR METAL CLAMPS FOR METAL CONDUIT, CABLE, AND PIPE.
Claims use since on or about Aug. 1, 1919.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 73,878. Registered May 25, 1909. ALBERT BREITUNG, Chicago, Ill. Republished by Albert Breitung, Inc., Chicago, Ill., a corporation of Illinois.



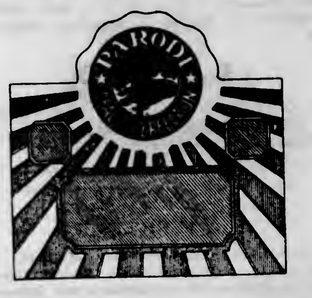
FOR CIGARS.
Claims use since December 1894.

Reg. No. 297,671. Registered Sept. 27, 1932. PARODI CIGAR COMPANY OF NEW YORK, INC., Scranton, Pa. Republished by Parodi Cigar Company of New York, Scranton, Pa., a firm.



The drawing is lined for green and red.
FOR CIGARS.
Claims use since Apr. 1, 1932.

Reg. No. 297,689. Registered Sept. 27, 1932. PARODI CIGAR COMPANY OF NEW YORK, INC., Scranton, Pa. Republished by Parodi Cigar Company of New York, Scranton, Pa., a firm.



The drawing is lined for green and red.
FOR CIGARS.
Claims use since Feb. 1, 1932.

Reg. No. 368,283. Registered June 13, 1939. PARODI CIGAR COMPANY OF NEW YORK, INC., Scranton, Pa. Republished by Parodi Cigar Company of New York, Scranton, Pa., a firm.



PARODI



The words "Parodi," "Pipe Tobacco" and "Trade-Mark" are disclaimed apart from the mark as shown.
FOR SMOKING TOBACCO.
Claims use since Nov. 23, 1938.

Reg. No. 399,165. Registered Dec. 22, 1942. PARODI CIGAR COMPANY OF NEW YORK, INC., Scranton, Pa. Republished by Parodi Cigar Company of New York, Scranton, Pa., a firm.

AVANTI

FOR CIGARS.
Claims use since 1921.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 254,076. Registered Mar. 12, 1929. SARGEANT ACNOID PHARMACEUTICAL CO. INC., East Orange, N. J. Republished by Stanley M. Sargeant, Highland Mills, N. Y.

LAPODO

FOR OINTMENT FOR LOCAL USE TO RELIEVE PAIN AND SORENESS.
Claims use since Jan. 1, 1929.

CLASS 19

VEHICLES

Reg. No. 437,418. Registered Mar. 23, 1948. KOPPERS COMPANY, INC., doing business as Bartlett Hayward Division, Baltimore, Md., a corporation of Delaware. Republished by registrant.

Aero-matic

The words "Aero," "Air Controlled," "Automatic Propeller" and the propeller design are disclaimed apart from the mark as shown.
FOR AIRPLANE PROPELLERS, PROPELLER HUBS, AND PROPELLER ASSEMBLIES.
Claims use since Dec. 16, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 147,695. Registered Oct. 25, 1921. THE STEELDUCT COMPANY, Youngstown, Ohio, a corporation of Ohio. Republished by registrant.

STEELDUCT SD

The term "Steelduct" is disclaimed apart from the mark as shown.
FOR PIPES OR ELECTRIC CONDUITS TO CARRY ELECTRIC WIRES—NAMELY, RIGID STEEL CONDUITS.
Claims use since July 19, 1920.

Reg. No. 266,321. Registered Jan. 14, 1930. GEORGE H. HANSEN, Philadelphia, Pa. Republished by Breuer Electric Mfg. Co., Chicago, Ill., a corporation of Illinois.

CYCLONE

FOR ELECTRICALLY-DRIVEN PORTABLE ELECTRIC CLEANING BLOWERS AND SUCTION CLEANERS AND SPRAYERS, TORCHES, AND OTHER ATTACHMENTS THEREFOR.
Claims use since on or about July 1, 1919.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 343,457. Registered Feb. 23, 1937. FRANK R. FORD LIMITED, Small Heath, Birmingham, England. Republished by Frank R. Ford Limited (1937), Birmingham, England, a corporation organized under the laws of Great Britain.

Fordigraph

FOR DUPLICATING, MANIFOLDING, AND COPYING APPARATUS, USING A COPYING INK CARBON AND DRAWING OFF COPIES FROM A REVERSED MASTER COPY MADE BY SAID CARBON.
Claims use since Dec. 2, 1933.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 261,621. Registered Sept. 17, 1929. EASTMAN KODAK COMPANY, Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.

SONOCHROME

FOR PHOTOGRAPHIC FILM INTENDED PARTICULARLY FOR MOTION PICTURES AND SOUND RECORDING.
Claims use since May 11, 1929.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 25,036. Registered July 24, 1894. LOUIS BRANDT & FRÈRE, Bienne, Switzerland. Republished by Omega Louis Brandt & Frere, S. A., Bienne, Switzerland, a corporation of Switzerland.

Ω

OMEGA

FOR WATCH MOVEMENTS AND WATCH CASES.
Claims use since Mar. 10, 1894.

Reg. No. 424,613. Registered Oct. 15, 1946. MIDO SOCIETE ANONYME, Bienne, Switzerland, a corporation of Switzerland. Republished by registrant.

MULTI-CENTERCHRONO

FOR WATCHES, WATCH CASINGS, AND PARTS OF WATCHES.
Claims use since October 1940.

Reg. No. 432,222. Registered Aug. 26, 1947. MIDO SOCIETE ANONYME, Bienne, Switzerland, a corporation of Switzerland. Republished by registrant.

WATERNYMPH

FOR WATCHES, WATCH CASINGS, AND PARTS OF WATCHES.
Claims use since December 1944.

Reg. No. 434,277. Registered Nov. 18, 1947. MIDO SOCIETE ANONYME, Bienne, Switzerland, a corporation of Switzerland. Republished by registrant.

MULTIRITMO

FOR WATCHES, WATCH CASINGS, AND PARTS OF WATCHES.
Claims use since March 1942.

Reg. No. 439,665. Registered July 13, 1948. MIDO SOCIETE ANONYME, Bienne, Switzerland, a corporation of Switzerland. Republished by registrant.

MULTINOVO

FOR WATCHES, WATCH CASINGS, AND PARTS OF WATCHES.
Claims use since January 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 265,356. Registered Dec. 24, 1929. THE CUTINO COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Model D

FOR TOOTHBRUSHES.
Claims use since Jan. 1, 1929.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 357,610. Registered June 7, 1938. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill. Republished by Nachman Corporation, Chicago, Ill., a corporation of Illinois.

Permaform

FOR UPHOLSTERY SPRING CONSTRUCTIONS FOR MATTRESSES AND SEAT CUSHIONS.
Claims use since Jan. 13, 1938.

CLASS 37

PAPER AND STATIONERY

Reg. No. 261,312. Registered Sept. 17, 1929. THE PEERLESS PAPER MILLS, INC., Oaks, Pa., a corporation of Pennsylvania. Republished by registrant.

MARK OF QUALITY
THE PEERLESS PAPER MILLS, INC.

The words "Mark of Quality" are disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since Oct. 15, 1928.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 127,955. Registered Dec. 16, 1919. INTERNATIONAL HARVESTER COMPANY OF AMERICA, Chicago, Ill. Republished by International Harvester Company, Chicago, Ill., a corporation of New Jersey.

HARVESTER WORLD

FOR MONTHLY PERIODICAL.
Claims use since October 1909.

CLASS 39

CLOTHING

Reg. No. 236,898. Registered Dec. 27, 1927. MANDEL & COHEN, New York, N. Y. Republished by Max Mandel, New York, N. Y.

SPICK and SPAN

FOR KNITTED UNDERWEAR FOR WOMEN AND CHILDREN—NAMELY, HOSIERY, VESTS, DRAWERS, UNION SUITS, BRASSIÈRES, GIRDLES, AND COMBINATIONS OF CHEMISE.
Claims use since about May 1, 1919.

Reg. No. 240,211. Registered Mar. 20, 1928. MANDEL & COHEN, New York, N. Y. Republished by Max Mandel, New York, N. Y.



FOR HOSIERY AND KNITTED UNDERWEAR FOR WOMEN AND CHILDREN—NAMELY, VESTS, DRAWERS, UNION SUITS, BRASSIÈRES, AND GIRDLES.
Claims use since about May 1, 1919.

Reg. No. 262,235. Registered Oct. 1, 1929. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J. Republished by Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey.

Town Talk

FOR SHOES, SANDALS, AND BOOTS MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THESE MATERIALS, AND RUBBERS AND OVERSHOES.
Claims use since Mar. 12, 1929.

Reg. No. 263,753. Registered Nov. 12, 1929. BARACH & HURWITZ, INC., New York, N. Y. Republished by Julius Barach, doing business as Julius Barach Co., New York, N. Y.

BRADLEY CLOTHES

The word "Clothes" is disclaimed apart from the mark as shown.
FOR OVERCOATS.
Claims use since Mar. 1, 1928.

Reg. No. 264,659. Registered Dec. 3, 1929. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J. Republished by Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey.

BEAU-BROOKE

FOR MEN'S, BOYS', AND YOUTHS' SUITS, OVERCOATS, TOPCOATS, TROUSERS, KNICKERS, CAPS, SWEATERS, AND RAINCOATS.
Claims use since Apr. 15, 1929.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 46,365. Registered Sept. 12, 1905. THE DAYTON SPICE MILLS CO., Dayton, Ohio, a corporation of Ohio. Republished by registrant.



FOR ROASTED COFFEE.
Claims use since November 1894.

Reg. No. 139,528. Registered Feb. 8, 1921. EL RENO WHOLESALE GROCERY COMPANY, El Reno, Okla. Republished by The Instant Products Manufacturing Compony, Omaha, Nebr., a partnership.

O-SO-GOOD

FOR COFFEE.
Claims use since October 1917.

Reg. No. 191,284. Registered Nov. 4, 1924. CHAS. B. RUMBLE, doing business as Chas. B. Rumble & Sons, Modesto and Salida, Calif. Republished by C. B. Rumble & Sons, Salida, Calif., a firm.

REX

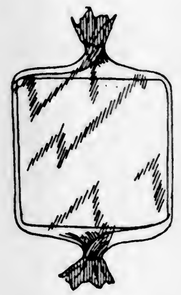
FOR FRESH DECIDUOUS FRUITS—NAMELY, PEACHES AND APRICOTS; AND ALL VARIETIES OF MELONS—NAMELY, PERSIAN MELONS.
Claims use since August 1918.

Reg. No. 255,490. Registered Apr. 23, 1929. CALIFORNIA MILLING CORPORATION, Los Angeles, Calif. Republished by California Milling Corporation, Los Angeles, Calif., a corporation of Delaware.

Ace Hi

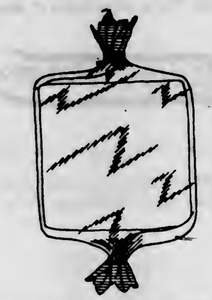
FOR WHEAT FLOUR, WHOLE-WHEAT FLOUR, GRAHAM FLOUR, CORN MEAL, POULTRY FEEDS.
Claims use since May 1, 1924.

Reg. No. 265,174. Registered Dec. 17, 1929. EDWARD F. KEMP, Somerville, Mass. Republished by E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts.



The trade-mark consists of a representation of a wrapper having red colored twisted ends. No claim is made to the representation of the body portion of the wrapper.
FOR CANDY; NUTS, BOTH SHELLED AND UNSHELLED (IN THEIR NATURAL STATE), AND SALTED, AND GLACE; CANDIED POP CORN, AND BISCUITS.
Claims use since Feb. 18, 1928.

Reg. No. 265,186. Registered Dec. 17, 1929. EDWARD F. KEMP, Somerville, Mass. Republished by E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts.



The trade-mark consists of a representation of a wrapper having blue colored twisted ends. No claim is made to the representation of the body portion of the wrapper.
FOR CANDY; NUTS, BOTH SHELLED AND UNSHELLED (IN THEIR NATURAL STATE), SALTED AND GLACE; CANDIED POP CORN, AND BISCUITS.
Claims use since Feb. 18, 1928.

Reg. No. 266,064. Registered Jan. 14, 1930. CHARLES BANKS STOUT, doing business as Washington Flour Mill, Washington, Mo. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since Apr. 29, 1884.

Reg. No. 266,065. Registered Jan. 14, 1930. CHARLES BANKS STOUT, doing business as Washington Flour Mill, Washington, Mo. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since Jan. 1, 1883.

Reg. No. 309,368. Registered Jan. 9, 1934. ELMER A. HUNDS, doing business as Dixie Cream Donut Company, Dallas, Tex. Republished by Dixie Cream Flour Company, St. Louis, Mo., a corporation of Missouri.

Dixie Cream

The word "Cream" is disclaimed apart from the mark as shown.

FOR DOUGHNUTS AND DOUGHNUT FLOUR.

Claims use since about September 1929.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 203,719. Registered Sept. 22, 1925. THE REMMERS-GRAHAM COMPANY, Cincinnati, Ohio. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

PRIZMA

FOR SOAP.

Claims use since Apr. 18, 1925.

REISSUES

JANUARY 17, 1950

23,191

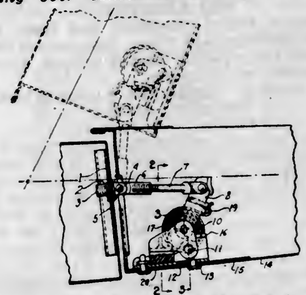
DOOR CHECK AND HOLD OPEN

Frank O. Riley and Roy F. Anderson, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original No. 2,442,177, dated May 25, 1948, Serial No. 671,709, May 23, 1946. Application for reissue May 2, 1949, Serial No. 90,986

12 Claims. (Cl. 16—86)

9. A door check, comprising a pair of toggle arms one of which can be pivotally attached to one of a pair of members to wit: a door pillar and a body pillar, a lever for pivoting to the other member of the pair of members and the other toggle arm, a stop engaged by one of the toggle arms to arrest the toggle arms near their straight line position to prevent them from throwing over center, and a yieldable resistance member connected with and stressed by said lever when the toggle arms are arrested short of throwing over center to thereby cushion the



checking of the door when thrown to its fully open position.

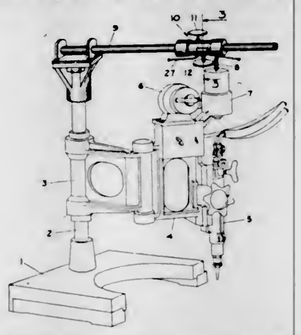
PATENTS

GRANTED JANUARY 17, 1950

2,494,531
SKI LACQUER
Theodore A. Dissel, Hartford, and Isaac Laird Newell, Wethersfield, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
No Drawing. Application August 9, 1946, Serial No. 689,522
10 Claims. (Cl. 106—173)

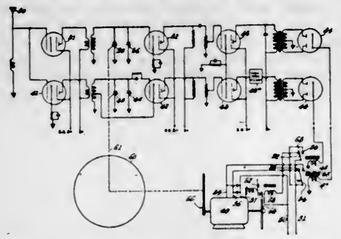
1. A ski lacquer composition, comprising a wax, an alkaline earth metal salt of a dioctyl ester of sulfo-succinic acid, and a nitrocellulose composition, the ratio of the wax to said salt being from about 0.17:1 to about .587:1, the ratio of wax:nitrocellulose being from about .062:1 to about .175:1, and the total weight percent of said wax plus said salt being from about 7.15% to about 35.5% of the total solids in said composition.

2,494,532
TEMPLATE HOLDER
Clarence P. Ager, Bremerton, Wash.
Application April 20, 1945, Serial No. 589,436
4 Claims. (Cl. 266—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



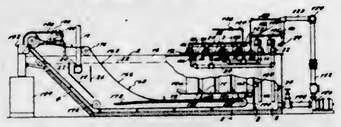
1. A template holder comprising a hollow cylindrical inner sleeve adapted to be fixed to a cutting machine and having a rack gear, the teeth of which extend substantially around the circumference of the sleeve, said sleeve having longitudinal grooves extending substantially the length of the sleeve and annular grooves extending around the circumference of the sleeve, a hollow cylindrical outer sleeve mounted on said inner sleeve for longitudinal and rotary movement thereon and having a protruding boss at one side thereof, a gear segment pivoted in said boss and engageable with said rack gear whereby rotation of the gear segment moves the outer sleeve longitudinally relative to the inner sleeve, means for rotating the gear segment, inwardly protruding pins secured in said outer sleeve and engageable with said longitudinal grooves to guide longitudinal movement of said outer sleeve and with said annular grooves to guide rotation of said outer sleeve, and a pair of bosses adapted to support templates on said outer sleeve on opposite sides thereof whereby rotation of said outer sleeve may place either of said last named bosses in operative position so that a template supported thereby may cooperate with a cutting machine.

2,494,533
REMOTE RADIO CONTROLLED MOTOR SYSTEM
Jacob Anthes, United States Army, Milwaukee, Wis.
Application August 25, 1945, Serial No. 612,696
9 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a radio remote control device the combination with a movable element the position of which is to be transmitted, of a radio transmitter associated with said element, means for changing the frequency of said transmitter in accordance with changes in the position of said element, means for amplitude modulating the signals from said transmitter depending on the direction of motion of said element, a receiving station including a movable element, and means for moving the movable element at the receiving station to a degree depending on the changes in frequency of said transmitter and in a direction depending on whether modulated signals are transmitted by said transmitter.

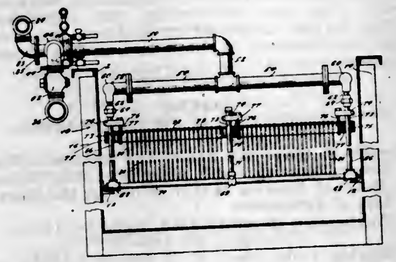
2,494,534
COOLANT FILTER SYSTEM
Francis J. Armstrong and Henry F. Hamlin, Syracuse, N. Y., assignors to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 16, 1944, Serial No. 526,735
13 Claims. (Cl. 210—150)



1. In a system for removing substances from liquid, the combination of, an elongated horizontal tank containing the liquid and having an outwardly slanting end wall at one end thereof, means forming an end chamber for clean liquid at the end of the tank opposite said slanting end wall, an endless chain assembly mounted to move longitudinally of said tank and having spaced means which are moved successively from the

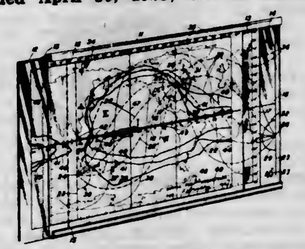
end of the tank opposite said slanting end wall along the bottom of the tank and up along said slanting end wall thereby to discharge sludge from the tank, a plurality of filter units positioned within said tank below the normal liquid level in the tank whereby the filter units are immersed in liquid, said filter units being adapted to have liquid withdrawn therethrough, pump means connected to draw liquid from said filter units and to discharge the liquid in said end chamber, and means to deliver liquid to the end of the tank opposite said end chamber beneath the normal liquid level and substantially in the direction of said slanting end wall.

2,494,535
SPRING FILTER CONSTRUCTION
Francis J. Armstrong, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 16, 1944, Serial No. 526,736
20 Claims. (Cl. 210—184)



1. In a spring filter unit for fluid of the type which is immersed in a body of fluid to be filtered, the combination of: a frame structure constituting a support and a fluid connection to the unit comprising, a plurality of parallel U-shaped pipe assemblies each of which has a fluid passageway therethrough and which is formed by a horizontal pipe and two vertical pipes at the opposite ends thereof, a pair of headers connected respectively to the opposite ends of the pipe assemblies, said headers and said pipe assemblies having passageways therethrough which are interconnected for the flow of fluid, an adjusting plate positioned horizontally above the horizontal pipes of said pipe assemblies, and means adjustably supporting said adjusting plate from said vertical pipes; and a plurality of vertical filter coil springs the individual turns of which are held in predetermined spaced relationship to provide filter gaps each of which is open at one side to the space surrounding the springs and at the other side to the center of its spring whereby the fluid being filtered may pass through the filter gaps and the residue is collected in the filter gaps, said springs being positioned in rows with the springs of each row connected at their lower ends to one of said horizontal pipes and attached at their upper ends to said plate, the central portion of each spring being open at the lower end of the spring to the passageway in the horizontal pipe to which the spring is connected thereby to provide fluid passageways from each of the filter gaps through the spring and thence through the pipe assemblies to the headers.

2,494,536
RADIO COMMUNICATION GRAPHIC CALCULATOR
Newell A. Atwood, United States Navy, Bethesda, Md.
Application March 21, 1947, Serial No. 736,191
9 Claims. (Cl. 235—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. Means for determining radio wave propagation conditions comprising in combination a time-frequency chart having frequency contour lines thereupon, a world map, and a great circle chart having a series of great circle paths thereupon converging at a common point, said map and charts being movable with respect to one another for positioning of the convergence point of said great circle chart at some desired location on said map, and for positioning of different portions of said map adjacent to portions of the time frequency chart enclosed within said frequency contour lines, with at least one of said map and charts being transparent.

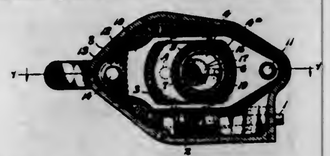
2,494,537
COLD-SETTING RESORCINOL GLUE COMPOSITION AND PROCESS OF PREPARATION
Glen E. Babcock and Allan K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 26, 1946, Serial No. 686,278
3 Claims. (Cl. 260—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for preparing a cold setting glue comprising reacting resorcinol with formaldehyde in the ratio of not more than two mols of resorcinol to one of formaldehyde and not less than five mols of resorcinol to four mols of formaldehyde, in the presence of an acid catalyst, adjusting the pH of the resin to between 7.1 and 7.7, with aqueous alkali, mixing the resin with corn gluten, in the range of one to two parts of resin to one part gluten, and with alcohol and formaldehyde, the formaldehyde added being sufficient to give a final ratio of formaldehyde to resorcinol of 1.1 to 2.5 mols formaldehyde to one mol of resorcinol.

2,494,538
WINDOW WIPER APPARATUS
Louie Baldo, United States Navy
Application October 10, 1945, Serial No. 621,629
5 Claims. (Cl. 74—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

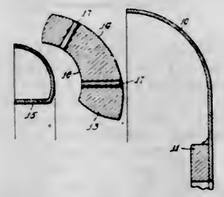
1. An apparatus of the class described comprising, in combination, a shaft, a wheel on said shaft, means for driving said wheel, an outer eccentric adjacent said wheel and having an opening substantially larger than the diameter

of the shaft and through which the shaft extends, an inner eccentric on said shaft having an opening of a diameter receiving said shaft, said outer eccentric receiving a portion of said inner eccentric in said opening for adjustment thereby and providing a substantially annular shoulder for locking engagement with said inner eccentric, said inner eccentric having a sleeve or tubular portion extending over said shaft,



said shaft having a threaded outer end with a locking nut thereon to engage the end of the sleeve of said inner eccentric to lock the eccentrics in adjusted position, and means slidably connecting said outer eccentric with said wheel to permit movement of said outer eccentric radially of said wheel, a pivoted yoke embracing said outer eccentric and oscillated thereby, and means operatively connected to said yoke to be driven thereby.

2,494,539
HYDRODYNAMIC COUPLING
Augustus B. Bolender, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 22, 1945, Serial No. 612,065
31 Claims. (Cl. 103—115)



1. In a method of making a hydrodynamic coupling element, the steps which comprise, providing a hollow casing member, providing a plurality of vanes adapted to fit in said casing member so that the vanes and casing member have abutting surfaces, said vanes being of a material which is not normally readily weldable to the casing member, providing pieces of weldable material on said vanes as portions of said abutting surfaces whereby the abutting surfaces may be readily welded together, placing the vanes in the casing member with said surfaces in contact, and securing the vanes to the casing member to fix the vanes in said casing member by fusion welding said casing member and said pieces of weldable material.

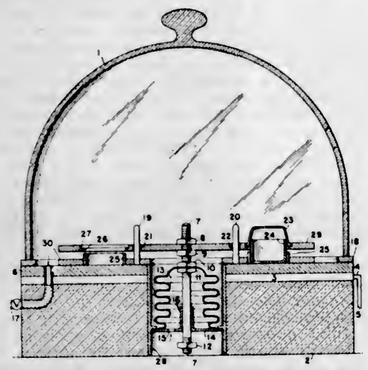
11. In a vaned element of a hydrodynamic coupling device, the combination of a hollow casing member, a plurality of vanes fitting in said casing member and having face portions abutting face portions on the inside of said casing member, the face portions of said vanes and casing member being of materials not readily united together by fusion, material provided on one of the abutting face portions for each of said vanes and which may be readily united by fusion with the abutting face portion, said readily unitable material being united by fusion with the material of the abutting face portion for each of said vanes to fix the vanes in the casing member.

2,494,540
TIE EYELET FOR ORTHODONTIA
Archie B. Brusse, Denver, Colo., assignor to Rocky Mountain Metal Products Co., Denver, Colo., a corporation of Colorado
Application April 16, 1945, Serial No. 588,489
3 Claims. (Cl. 32—14)



1. An orthodontic tie eyelet formed from round stainless steel wire for attachment to a toothband, said eyelet comprising an arch having a circular crown and divergent legs, said crown and legs being of round cross section, and a thin flattened flange integrally formed from said wire and extending outwardly from the end of each of said legs, said flanges increasing in width toward their outer extremities, said extremities being further decreased in thickness less than half the thickness of the inner portions of said flanges.

2,494,541
VACUUM DRIER WITH AUTOMATIC CAPPING DEVICE
Horace K. Burr, San Pablo, and Benjamin Makower, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
Application March 19, 1948, Serial No. 15,946
5 Claims. (Cl. 226—82)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

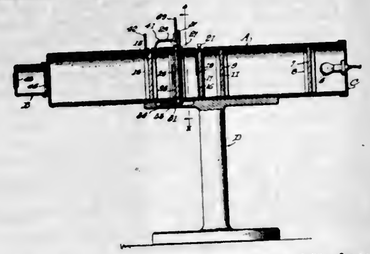


1. A vacuum desiccator providing a desiccating chamber, means within the chamber for positioning a container for material to be desiccated, plate means within the chamber for supporting, raising and lowering a closure for said container, a conduit communicating with said chamber for application of vacuum, means responsive to difference in pressure between the chamber and the outer atmosphere to automatically raise the plate upon application of vacuum to said chamber, and to automatically permit said plate to lower when the vacuum is released.

2,494,542
METHOD OF BLEACHING PULP
Ferri Casciani, Lewiston, and Gordon K. Storin, Niagara Falls, N. Y., assignors to Niagara Alkali Company, New York, N. Y., a corporation of New York
No Drawing. Application May 2, 1946, Serial No. 666,836
6 Claims. (Cl. 8—106)

1. A method of bleaching ligneous cellulosic materials, which comprises subjecting the cellulosic material to a preliminary bleaching by treating with a bleaching agent for cellulosic materials selected from the class consisting of chlorine, hypochlorous acid, and alkali metal and alkaline earth hypochlorites to remove a major portion of the non-cellulosic impurities short of the point of materially affecting the strength of the cellulose; treating said preliminarily bleached cellulosic material with chlorine dioxide to obtain an increased brightness, said bleached material having poor color stability; and then subjecting said bleached cellulosic material to the action of a peroxide bleaching agent which does not unduly attack the cellulosic material and yields a final bleached, strong product of improved color stability.

2,494,543
LIGHT POLARIZING APPARATUS FOR DETERMINING COLOR BLINDNESS
Robert L. Clarke, Albany, N. Y.
Application December 31, 1948, Serial No. 68,444
3 Claims. (Cl. 88—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for measuring color blindness in individuals, comprising, in combination, a closed cylindrical housing having a forward end and a rear end, an eye-piece mounted in the forward end, a source of light mounted in the rear end interiorly of the housing, spaced forward and rear polarizing means in the housing having their planes of polarization crossed relative to each other for extinguishing visible light passing from the source, a relatively large transparent birefringent background film mounted in the housing in advance of the rear polarizing means and oriented at substantially 45° from its extinction position for producing a uniform background color, a transparent birefringent disc having a substantially smaller area than that of the background film mounted intermediate the background film and the forward polarizing means for producing, in conjunction with the background color, a disc of color different from that of the background, means for rotating the birefringent disc until its color matches perfectly that of the background in its extinction position, means for indicating the position of rotation of the disc when a perfect match with the background is thought to be had, and a lens system in the eyepiece focused on the birefringent disc.

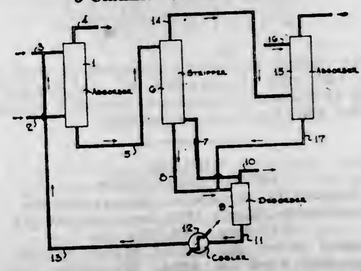
2,494,544
GRAIN PREPARATION
Victor L. Erlich, New York, N. Y., assignor to Wisconsin Malting Company, Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application August 1, 1944, Serial No. 547,631
4 Claims. (Cl. 99—80)

1. In the steeping of whole non-germinated agricultural grains preparatory to subsequent processing of the same, the controlling of the solubility of the grain proteins by employing a single quantity of steep liquid sufficient to effect substantially full water absorption by the unbroken grains without changing the liquid over the period of time just necessary to obtain substantially full water absorption by the grains, adding proteolytic enzymes in a concentration corresponding to the activity of at least one-twentieth of a per cent of fresh papain, and adding buffering salts to modify the pH of the steep liquid and maintain said pH close to a predetermined level chosen between about 4 and 10 for the particular grain, the particular enzymes and the particular protein transformation.

2,494,545
LIGNIN RESINS AND PROCESS OF MAKING SAME
Raymond Norris Evans and Angelo Paul Ingrassia, Laurel, Miss., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware
No Drawing. Application April 20, 1946, Serial No. 663,750
6 Claims. (Cl. 260—17.5)

1. Process of preparing a water, acid, and alkali resistant, hard resinous material which comprises dissolving alkali soluble lignin and partially polymerized furfuryl alcohol in a common solvent chosen from the group consisting of monoalkyl ethers of ethylene glycol, diethylene glycol, ethers of diethylene glycol and tetrahydrofurfuryl alcohol to form a solution, said components being the only reactive materials present, heating the materials to react the lignin and partially polymerized furfuryl alcohol, and removing the solvent whereby a hard resinous material is formed, the weight of said lignin being between 5 and 60% of the total weight of the lignin and the partially polymerized furfuryl alcohol.

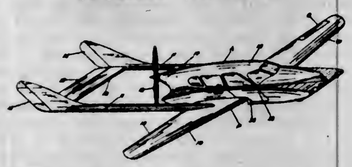
2,494,546
SEPARATION OF OLEFINS
Egi V. Fasce, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 13, 1945, Serial No. 634,887
3 Claims. (Cl. 260—677)



1. The process of separating a mixture of hydrocarbons consisting of butene-1 and butene-2

which comprises contacting said mixture with a cuprous ammonium salt solution at a temperature between —29° C. and +38° C. and pressure from atmospheric to 200 pounds per square inch to form an extract solution containing the butene-1 and a raffinate fraction containing the butene-2.

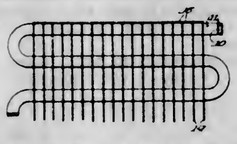
2,494,547
LAND AND AIR VEHICLE
Russell H. Fish, Jr., Hollywood, Calif.
Application May 10, 1946, Serial No. 668,889
24 Claims. (Cl. 244—2)



1. A vehicle convertible from a road vehicle to an air vehicle, including an automotive vehicle having front and rear wheels and adapted to travel along a road; a plan assembly having wings and adapted to convert said automotive vehicle into an air vehicle, said wings having portions adapted to support the weight of said automotive vehicle during passage of wheels of said automotive vehicle thereover to place said automotive vehicle over said wings with the latter positioned between said front and rear wheels; means for lifting said plane assembly from beneath into engagement with the underside of said automotive vehicle; and means for securing said plane assembly in lifted position to said automotive vehicle.

2,494,548
HEAT EXCHANGER
Harry A. Goldberg, Chicago, Ill., assignor to Auto Radiator Specialty Co., Chicago, Ill., a corporation of Illinois
Application September 6, 1945, Serial No. 614,704
2 Claims. (Cl. 257—262.16)

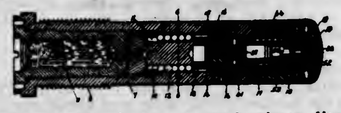
1. A heat exchanger comprising a plurality of spaced apart fins, said fins each having aligned openings therein, a tube passing through said aligned openings, a flange projecting inwardly at the top of each fin and of a length equal to the distance the fins are spaced apart, each



flange having contacting engagement with the tube and with an adjacent fin, said flanges all being at the same elevation to provide a continuous flat plate for supporting articles.

2,494,549
DETONATING FUSE
Raymond L. Graumann, Alexandria, Va.
Application May 4, 1938, Serial No. 206,041
9 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A projectile fuse, comprising a delay element including a container, a delay pellet therein, a baffle having one end seated against said pellet and a laterally extending flange at its other end and devious passages through said baffle, an obturating ring of plastic metal between said flange and an end of said container; a primer seated upon the flanged end of said baffle, a firing pin disposed to be movable against said primer, shearable means holding said firing pin normally

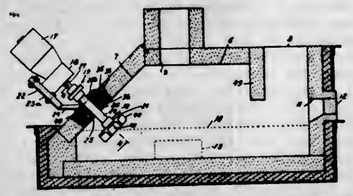


away from said primer, a second primer disposed to drive said firing pin against the first mentioned primer when the second primer is detonated, and means disposed to be deformed by the products of detonation of said second primer and adapted to lock the aforesaid parts in the positions occupied by them at the time of detonation of said second primer.

2,494,550
REFINED ROSIN PRODUCTS AND PROCESSES
Burt L. Hampton, Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 23, 1946, Serial No. 649,772
10 Claims. (Cl. 260—105)

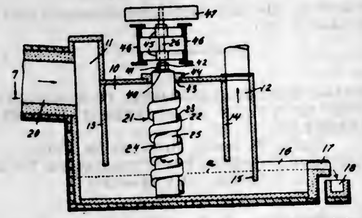
1. The process of producing an improved rosin composition characterized by imparting an increased resistance to yellowing in soaps and sizes made therefrom, which process consists of heating a rosin material under non-oxidizing conditions with from 0.1% to 1% of selenium derived from at least one catalytic material selected from the group consisting of selenium, selenium oxide and selenium halides, in the presence of an effective amount up to about 38% of the stoichiometric quantity of an alkali metal alkali required to neutralize the rosin material, at a temperature between about 200° C. and 375° C. for a time sufficient to decrease the degree of unsaturation without aromatization of substantially more than one ring of the rosin material.

2,494,551
ZINC CONDENSER
Erwin C. Handwerk, Lehighton, and George T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application October 30, 1948, Serial No. 57,588
6 Claims. (Cl. 266—15)



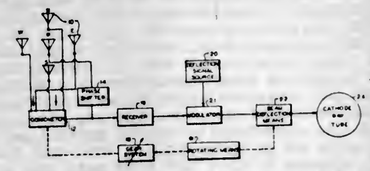
1. A condenser for zinc vapor comprising a closed vessel having a zinc vapor inlet and a gas outlet and adapted to hold a body of molten zinc in the bottom thereof, a rotatable shaft extending obliquely through a wall of the vessel and into the interior thereof, a rotor mounted on said shaft within the vessel and adapted when rotated to dip into the body of molten zinc and hurl a shower of molten zinc upwardly into the interior of the vessel, and means for rotating said shaft.

2,494,552
CONDENSING ZINC VAPOR
George T. Mahler, Palmerton, and Erwin C. Handwerk, Lehighton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Original application March 11, 1948, Serial No. 14,286. Divided and this application November 19, 1948, Serial No. 60,922
6 Claims. (Cl. 266—15)



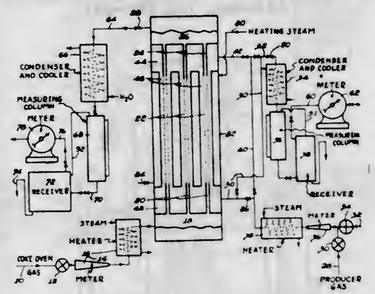
1. A condenser for zinc vapor comprising a closed vessel having a zinc vapor inlet and a gas outlet, a screw lift disposed vertically within the vessel and provided peripherally with a retaining wall capable of permitting radial discharge therefrom of molten zinc raised by the lift, the screw lift being adapted when rotated to raise molten zinc from a body thereof in communication with the lower end of the lift, and means for rotating the lift so as to raise molten zinc from said body thereof and throw the raised molten zinc radially outwardly away from the retaining wall into the vessel above the body of molten zinc therein.

2,494,553
DIRECTION FINDING SYSTEM
Paul G. Hansel, Red Bank, N. J.
Application October 16, 1945, Serial No. 622,644
18 Claims. (Cl. 343—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



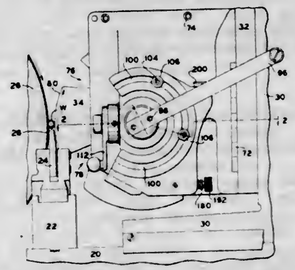
1. A direction finding system comprising: an antenna system with associated effective rotating means for deriving from a single incoming wave a directionally-characterized signal whose modulation phase is a function of the direct and reciprocal directions of wave arrival; means for deriving from said wave a carrier signal; continuously receptive means for combining said first-named signal with said carrier signal to obtain a resultant directionally-characterized signal having envelope minima unsymmetrically displaced in time; a radio receiver to which said resultant signal is applied; and indicating means receptive of the output of said receiver for producing intersecting indicia having an angular displacement proportional to the relative magnitudes of said carrier signal and said first-named signal.

2,494,554
GAS COMPOSITION REVISION
Earl V. Harlow, Beaver, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application November 14, 1946, Serial No. 709,873
11 Claims. (Cl. 48—197)



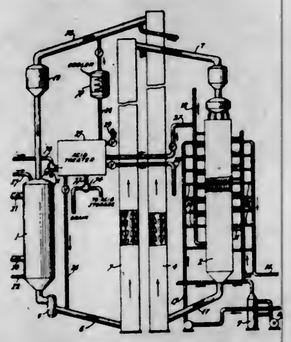
1. A method of simultaneously changing the composition and specific gravity of coke oven gas and producer gas comprising: feeding coke oven gas as a stream along one side of a porous boundary, passing producer gas in mixture with steam to sweep across the other side of the boundary, controlling the area and length of the boundary and the rate of flow of gas on each side of the boundary to secure a diffusion of hydrogen from the coke oven side to the producer side of the boundary and to cause a flow of nitrogen, steam and carbon monoxide from the producer gas to the coke oven gas side of the boundary to increase the specific gravity of the coke oven gas from 37.5 to 75%, and removing steam from each of the gas streams.

2,494,555
CENTERLESS GRINDING MACHINE
George E. Hieber, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application December 3, 1946, Serial No. 713,795
18 Claims. (Cl. 51—103)



1. In a centerless grinding machine, a power driven grinding wheel, a control wheel in peripherally opposed relation to said grinding wheel to form a work grinding throat, drive means for said control wheel and additional means for substantially nullifying the transmission of driving torque exceeding a predetermined value, from the grinding wheel through the work piece to said control wheel.

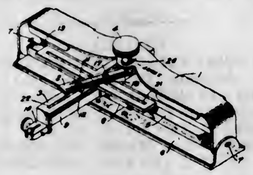
2,494,556
TREATING CLAY CATALYSTS USED FOR CONVERSION OF SULFUR CONTAINING FEEDS
George F. Hornaday, Woodbury, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application July 13, 1946, Serial No. 683,329
2 Claims. (Cl. 196—52)



1. The process of converting a hydrocarbon charge stock containing at least 1½ per cent sulfur to hydrocarbons of improved motor fuel value in the presence of a clay catalyst containing iron compounds and being subject to abnormal aging when employed for the catalytic conversion of hydrocarbon charge stocks containing said amount of sulfur, while at the same time substantially overcoming abnormal aging of said clay catalyst, which comprises moving said clay catalyst through a cyclic system comprising a conversion zone wherein the catalyst is contacted with said charge at elevated cracking temperatures effective to accomplish conversion of the charge and to convert iron compounds in said clay catalyst to iron sulfide while causing the concomitant formation of a carbonaceous deposit on the catalyst, and through a regeneration zone wherein the catalyst is contacted with an oxygen-containing gas under conditions effective to burn off the carbonaceous deposit, withdrawing a portion of the catalyst during its cycle of movement, removing from such portion iron compounds chemically converted during said cycle, and returning the resulting catalyst to the system.

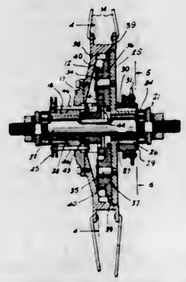
2,494,557
ADJUSTABLE ELLIPSE COMPASS
Haden R. Irick, Phoenix, Ariz.
Application May 16, 1944, Serial No. 535,785
4 Claims. (Cl. 33—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an ellipsograph provided with a longitudinally slotted bar bearing graduations transverse to said slot, a cross-shaped frame having intersecting longitudinal slots, a marking instrument holding means rigidly connected to said frame and two slide guides adapted to be adjustably secured to said slotted bar and to slide in the slots of said frame, the improvement which comprises a supporting base adapted to rest on a plane surface, a main frame hingedly supported by said base whereby rocking the cross-shaped frame lifts a marking instrument, a guide bar secured in said hinged frame, a sliding carriage mounted on said guide bar provided with a means for slidably mounting said cross-shaped frame, and a pivot in said main frame and said slotted



bar with an operating knob for manually rotating said slotted bar.

2,494,558
SPEED-CHANGING GEARED TRANSMISSION FOR BICYCLES AND OTHER WHEELED VEHICLES
Rufus W. Irwin, Brownsville, Tex.
Application December 9, 1947, Serial No. 790,634
1 Claim. (Cl. 74—750)

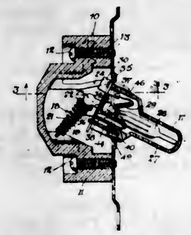


In a wheeled vehicle, a non-rotatable axle secured to said vehicle, a spider journaled on said axle, driving means for rotating said spider on said axle, a wheel having a hub casing fixed thereto and rotatably receiving said spider therein, said hub casing being journaled on said axle, said casing being formed with an internal orbit gear around its inner circumference, a stepped planet gear journaled to said spider eccentrically of said axle, said planet gear having outer and inner sets of radially outwardly directed teeth, said outer set of teeth meshing with said orbit gear, whereby to drive said orbit gear, hub and wheel upon rotation of said planet gear, a sliding sun gear splined on said axle and slidable axially thereon, said sliding sun gear being formed with external gear teeth formed and arranged to be meshed at times with said outer set of teeth of said planet gear, a floating sun gear concentrically of said axle and including external teeth in constant mesh with said inner set of teeth of said planet gear, said floating sun gear being formed with internal teeth meshing at times with said teeth of said sliding sun gear and at times being out of mesh therewith, means for moving said sliding sun gear axially on said axle to and from meshing positions with said floating sun gear and with said outer set of teeth of said planet gear whereby to vary the speed of rotation of said orbit gear.

2,494,559
COATING AND IMPREGNATING COMPOSITION
Louis John Jubanowsky, Vauxhall, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application August 17, 1948, Serial No. 44,801
11 Claims. (Cl. 106—250)

1. A fusible impregnating and coating composition which is substantially solid at room temperature and which is resistant to the solvent action of hydrocarbons, which comprises a blend of a solid, substantially saturated ester of a fatty acid having more than 10 carbon atoms per molecule and a monohydric alcohol, which ester contains an oxygen atom in its molecular structure other than those present in the ester linkage and which melts above about 50° C., and has an iodine number of less than about 10, and 5 to 50% by weight, based on the total mixture, of a non-hydrogenated airblown unsaturated ester of a polyhydric alcohol having at least three hydroxyl groups per molecule and an unsaturated fatty acid having at least six carbon atoms per molecule.

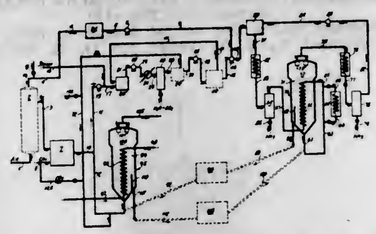
2,494,560
GLOW SWITCH
Henry Kaupp, Glendale, N. Y., assignor to The Roberts Numbering Machine Co., Inc., Brooklyn, N. Y.
Application April 9, 1947, Serial No. 740,409
5 Claims. (Cl. 200—172)



1. In combination with a toggle switch mechanism having a housing, a pivotal bracket member to which a handle is detachably mounted, said bracket having a depressed center portion with a knob projecting downwardly therefrom, a projection formed at right angles to said center and equipped with means to secure said handle, a pin extending at right angles from said center portion and adapted to position in a groove in the top of said handle and pivotal means connecting said bracket to the housing of said switch mechanism.

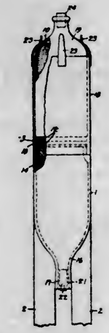
2,494,561
COMBINATION PROCESS FOR THE HYDROGENATION OF CARBON MONOXIDE AND THE PRODUCTION OF AMMONIA
Lebbeus C. Kemp, Jr., Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 29, 1945, Serial No. 637,953
6 Claims. (Cl. 23—198)

1. In a process for the synthesis of ammonia from hydrogen and nitrogen and for the synthesis of hydrocarbons from hydrogen and carbon monoxide, the steps comprising converting nitrogen and hydrogen to ammonia in the presence of an iron catalyst with consequent reduction in activity of the catalyst for the ammonia synthesis reaction, subsequently converting carbon monoxide and hydrogen to hydrocarbons in the presence of said catalyst of reduced activity for the ammonia synthesis reaction, thereafter regenerating



said catalyst to restore its activity for the ammonia synthesis reaction, and again converting nitrogen and hydrogen to ammonia in the presence of said regenerated catalyst.

2,494,562
ROCKET PROJECTILE
Gregory J. Kessenich, Madison, Wis.
Application February 14, 1944, Serial No. 522,292
2 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

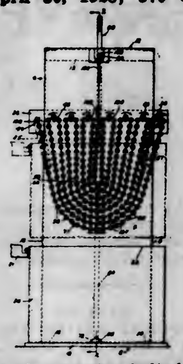


1. A rocket projectile comprising a hollow body portion arranged to receive a propellant charge, a hollow cylindrical adapter having a solid web portion intermediate its ends, one end of said adapter being threadably secured to said body portion, a frangible container slidably insertable in the other end of said adapter, said container arranged to receive a volatile liquid charge, and a plurality of spring clips on said adapter arranged to resiliently secure said container within said adapter.

2,494,563
BIS(4-AMINOCYCLOHEXYL)METHANE
William Kirk, Jr., Christiana Hundred, Richard S. Schreiber, Wilmington, and Gerald M. Whitman, Claymont, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 8, 1947, Serial No. 720,922
1 Claim. (Cl. 260—563)

Bis (4-aminocyclohexyl)methane having a freezing point between 40° and 65.4° C.

2,494,564
AMMUNITION PACKING DEVICE
Parley F. Lambert, Arlington, Va.
Application November 1, 1945, Serial No. 626,159
5 Claims. (Cl. 226—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



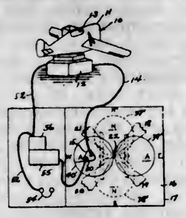
2. A method of arranging belted machine gun ammunition for packing into a machine gun ammunition box, comprising folding the belt into a nest of substantially U-shaped graduated layers each layer lying within the one next larger and being joined to it at one end and being joined to the layer next smaller at the other end with the joined ends of said nested layers uppermost, the end of said belt which is to enter the machine gun first forming the innermost and smallest layer and having the metal tip portion of the belt protruding therefrom.

4. A rack for arranging a belt of machine gun ammunition into a nest of substantially U-shaped graduated layers for packing into a machine gun ammunition box with the joined ends of adjacent layers uppermost comprising a flat supporting member, a plurality of spaced parallel belt guide pins mounted on said member in a line laterally thereof with each pin projecting therefrom, a lower belt guide pin slidably mounted through said member below the center of said line of guide pins and extending parallel to said pins and upper belt tip pin slidably mounted through said member above the center of said line of guide pins and extending parallel to said pins and means for sliding said upper belt tip pin and said lower belt guide pin through said member into and out of engagement with said belt as desired.

2,494,565
PAINT COMPOSITIONS FROM CATALYTICALLY CONJUGATED OILS
Arthur J. Lewis, Helen A. Moser, and John C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application June 4, 1946, Serial No. 674,159
6 Claims. (Cl. 106—257)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

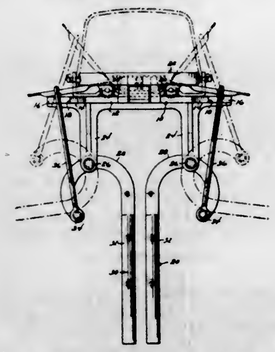
1. A paint mixture consisting essentially of basic carbonate white lead pigment; soy bean oil that has been conjugated by treatment in the presence of nickel-carbon catalyst; the said lead pigment and oil being in the weight ratio of about 3 of pigment to 1 of oil; paint drier; and calcium oxide in the proportion of 2¾ percent to 11 percent of the basic carbonate white lead.

2,494,566
APPARATUS FOR PRODUCING ARTIFICIAL RADIO DIRECTION SIGNALS
Garrett B. Linderman, III, United States Navy
Application April 3, 1943, Serial No. 481,701
4 Claims. (Cl. 35—10.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



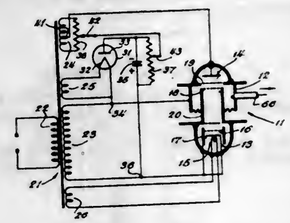
1. The combination with an aviation training device which includes a remotely located position indicating carriage movable responsive to operation of the training device by a student, of means producing flashes of light corresponding in spacing and duration to conventional radio direction signals, means projecting said light in overlapping patterns of variable intensity over the area in which said carriage is movable, photoelectric means attached to the carriage for producing an electric current during the period of said flashes and of a strength depending on the intensity of the light received by said photoelectric means, and signal means in said training device operated by said electric current.

2,494,567
TRAP SETTING DEVICE
Arthur E. Lines, Farmersville Station, N. Y.
Application July 12, 1946, Serial No. 683,081
1 Claim. (Cl. 43—97)



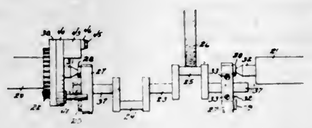
A device of the character described, for setting animal traps, comprising a base plate, means on said base plate for retaining a trap thereon, mounting means depending from said base plate, a plurality of operating levers, said levers being provided with a curved end, a straight end and an offset portion intermediate the ends, and trap setting frames mounted on the ends of the curved ends of the levers for setting the trap, the levers being pivoted at the central portion of the said curved ends on said mounting means.

2,494,568
MODULATED ULTRA HIGH FREQUENCY SIGNAL GENERATOR
Clarence C. Lundy, Bayonne, N. J., assignor to The Sperry Corporation, a corporation of Delaware
Application September 28, 1945, Serial No. 619,120
7 Claims. (Cl. 250—36)



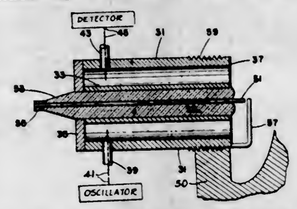
6. Apparatus for generating recurrent pulses of ultra high frequency signals, comprising: a reflex Klystron having a cathode, a resonator and a reflector electrode, and being capable of operating in an oscillation mode characterized by an ascertainable curve of reflector potential versus accelerating potential, said curve being terminated at a point representing a minimum electron accelerating potential for which oscillations are produced in said mode; a transformer having a winding connected between said cathode and said resonator for supplying therebetween an alternating voltage of amplitude in excess of said minimum accelerating potential; and rectifier and filter means supplied by said transformer and coupled to said reflector electrode for regulating the potential of said reflector electrode as required for optimum performance of said Klystron in said mode of oscillation.

2,494,569
CRANKSHAFT BALANCER
Edward McMaster, Sandwich, Ill.
Application November 19, 1947, Serial No. 787,012
3 Claims. (Cl. 51—237)



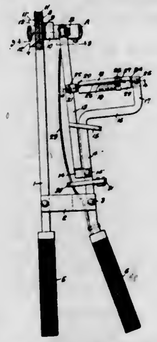
1. The combination with a lathe having a head stock and a tail stock each of which is provided with a center pin to receive a crankshaft to be ground, of a pair of bearing blocks each of which is provided with a central opening therein to receive an end of the crankshaft, removably mounted bearing cups at the ends of said blocks to eccentrically receive said center pins, a balance plate secured to the head stock, a pair of relatively spaced eccentric drive pins on said plate adapted to have operational engagement with said blocks for the rotation thereof a weight on said plate in opposed relation to said pins to counterbalance the pins and the blocks and a detachable weight on the first weight to counterbalance the crankshaft.

2,494,570
ELECTRICAL TRANSDUCER
George R. Mezger, United States Navy
Application January 22, 1946, Serial No. 642,781
9 Claims. (Cl. 315—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



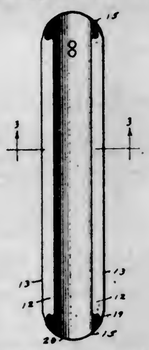
1. An electric transducer, comprising in combination, a hollow metallic cylinder having input and output electric coupling means; a metallic plate for closing one end of said cylinder; a flexible metallic diaphragm for closing the other end of said cylinder; and a metallic conductor disposed concentrically with said cylinder, one end of said conductor being secured to said metallic plate, and the other end of said conductor being secured to said diaphragm, said diaphragm being displaceable by applied pressures so as to vary the mean effective length of said cylinder.

2,494,571
TRIGGER PULL TESTER
Robert T. Milburn, New Orleans, La.
Application November 14, 1945, Serial No. 628,648
7 Claims. (Cl. 73—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



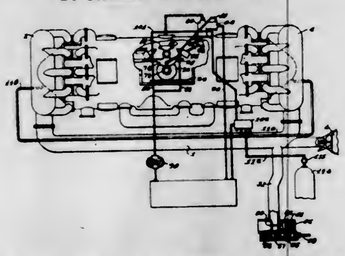
1. A tool for testing the trigger pull of guns, comprising, two spaced arms mounted as first class levers for movement to and from each other, one of which is adapted to be inserted between the gun trigger and an abutment in advance of the trigger, means carried by the operating end of said one arm for centering the arm relative to the trigger, a member pivotally connected to the other arm and lying between the two arms and adapted to engage the front of the trigger, spring means biasing said member toward said other arm, and indicating means interposed between said member and said other arm and responsive to the pressure exerted upon the trigger by said member upon the separation of the two arms against the pressure of said spring means.

2,494,572
TABLE CRUMBER
John Henry Miller, Baltimore, Md.
Application March 7, 1946, Serial No. 652,691
2 Claims. (Cl. 65—12)



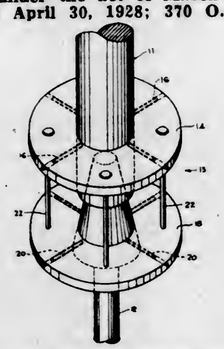
1. A crumb scraper of the class described arcuately formed in transverse cross section with a straight scraping edge tangentially connected to the arcuate outer surface, an inwardly and downwardly beveled raising lip connected at its outer end to said straight scraping edge for raising the crumbs from the table up on said lip, the inner end of said lip terminating in a curved portion forming an arcuate shoulder between the inner end of said lip and the arcuate inner surface of said scraper.

2,494,573
FREE PISTON COMPRESSOR AND CONTROL THEREFOR
George A. Mueller, Jr., Hamilton, Ohio, assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio, a corporation of Virginia
Application May 16, 1947, Serial No. 748,591
12 Claims. (Cl. 123—46)



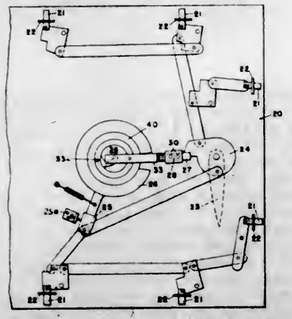
6. A free piston compressor of the class described comprising, axially aligned power, compressor and bounce cylinders, and pistons working therein, a compressed air receiver in communication with said compressor cylinders, a check valve controlling the passage of air to said compressed air receiver and preventing return from the receiver to said compressor cylinders, a by-pass to atmosphere on the compressor side of said check valve, means to open said by-pass when the receiver pressure reaches a predetermined level so that the compressor operates thereafter against a substantially atmospheric pressure, means to control the quantity of fuel entering said power cylinder, a vent for said bounce cylinders, a source of high pressure air for said bounce cylinders, fluid operated means to place said bounce cylinders either in communication with said vent to lower the pressure therein or with said high pressure air source to increase the pressure in said cylinders, a member reciprocated by said pistons and spaced valves operated by said member at each end of its stroke, one valve operating to actuate said fuel control means and the other valve operating said bounce air control means, whereby the stroke of said pistons remains substantially constant.

2,494,574
COUPLING DEVICE
James F. Murphy, Philadelphia, Pa.
Application June 2, 1947, Serial No. 751,945
1 Claim. (Cl. 287—129)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



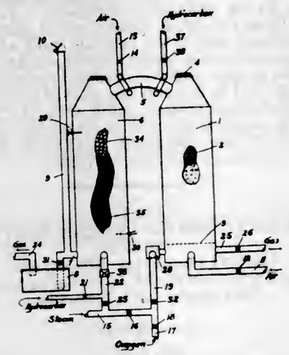
For coupling a machine tool having a tapered shank to a power driven arbor shaped to fit the tapered shank, two rings, one or more setscrews embodied in each ring to secure one ring to the arbor and the other ring to the tapered shank, and bolts coupling the rings to hold the tapered shank and arbor together, thereby suspending the machine tool from the arbor.

2,494,575
COMBINED PERMUTATION AND AUXILIARY LOCK FOR SAFES
Eugene O'Brien, United States Navy
Application September 26, 1945, Serial No. 618,800
10 Claims. (Cl. 70—119)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



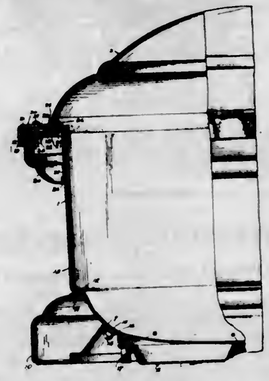
7. In a permutation controlled tamperproof closure having a latch mechanism operable to latched and unlatched position the combination of, means for operating the latch mechanism, a bolt operable to prevent movement of the latch mechanism, permutation controlled means to control the movement of the bolt, a housing enclosing said permutation controlled means, and auxiliary locking means acting upon the latch mechanism independently of the bolt, said auxiliary locking means comprising, a sleeve rotatable about the housing, and sleeve locking means operable by the permutation lock mechanism to secure the sleeve against relative latch mechanism unlocking movement.

2,494,576
PROCESS AND APPARATUS FOR MAKING COMBUSTIBLE GAS
William W. Odell, Washington, D. C.
Application May 17, 1946, Serial No. 670,408
8 Claims. (Cl. 48—208)



1. The cyclic process of making combustible gas having a high hydrogen content, comprising, first heating a deep, ignited bed of solid fuel confined in a generator by blasting it with a combustion supporting fluid meanwhile burning the producer gas thus made in an adjacent deep bed of small size heat-exchange solids confined in a heat exchanger and heating the solids in the upper portion of the latter bed to a temperature in the range 1650° F. to 2350° F. then discontinuing said blasting and making a series of gas-making runs namely, first passing a stream initially comprised of steam up through the heated fuel bed from beneath forming water gas therein, conducting the stream out the top of said bed and down through said bed of solids with increasing intimacy of contact therewith in which bed it reaches a temperature in the range 1600° to 2350° F. and is then cooled to an appreciably lower temperature in the lower portion thereof, discontinuing this up run and making a back run by passing a stream initially comprising essentially steam up through said bed of heat exchange solids with decreasing intimacy of contact therewith becoming heated therein to said temperature and down through said fuel bed forming additional water gas, then discontinuing the back run and making a relatively long steam-oxygen up run by passing a fluid initially containing oxygen and steam in the respective volumetric proportions of 1 to 3 to 1 to 5 up through the said fuel bed and down through said bed of heat exchange solids with increasing intimacy of contact therewith thereby making additional combustible gas which latter gas is serially heated to said temperature and partly cooled in passing through said bed of solids, and recovering the combustible gases made.

2,494,577
METAL BURIAL CASKET
Frederick T. Paden, Collingswood, N. J.
Original application October 8, 1946, Serial No. 701,861. Divided and this application May 18, 1948, Serial No. 27,812
5 Claims. (Cl. 27—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

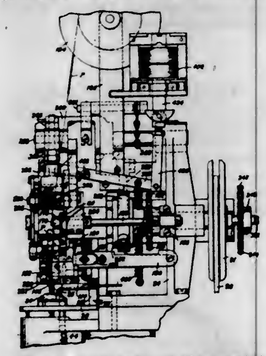


1. A metallic receptacle comprising a main body portion of sheet metal construction and provided with upwardly extending side and end walls and a top opening, said side and end walls having their top portions bent outwardly to form a continuous horizontally extending flange of sheet metal around said opening, a sheet metal lid for said body portion, said lid having its perimeter formed into a continuous horizontally outwardly extending flange cooperating with said first-mentioned flange to form a joint, and reinforcing angle members having their horizontal portions secured to the respective flanges to strengthen same, the vertical portion of the angle member secured to said first-mentioned flange being spaced outwardly from said respective walls, and the vertical portion of the angle member secured to said second-mentioned flange being positioned outwardly of the angle member secured to said first-mentioned flange and overlapping the joint between said body portion and said lid.

2,494,578
MACHINE FOR USE IN THE MANUFACTURE OF INSOLES
Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 5, 1948, Serial No. 13,197
44 Claims. (Cl. 12—20)

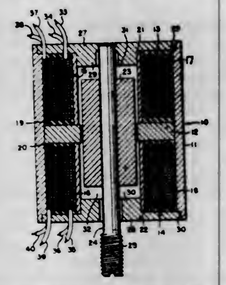
41. A machine for applying sheet material to one side at a time of an insole-shaped matrix having a rib groove in each face, comprising a support for the matrix, means for tucking the sheet material into the groove on one side of the matrix, means for positioning the support first at a height suitable for tucking material into the groove on the first side of the matrix, and means operated without attention on the part of the

operator for positioning the matrix support at a lower level when the material is tucked into the



groove on the second side of the matrix to compensate for the thickness of the material applied to the first side thereof.

2,494,579
DIFFERENTIAL TRANSFORMER PICKUP UNIT
John Rex Pimlott, Potomac, and Samuel Edward Dawson, Fairway Hills, Md.
Application August 19, 1948, Serial No. 45,164
2 Claims. (Cl. 171—119)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

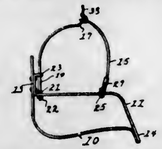


1. An electromagnetic transmitter unit for use in alternating current telemetric systems and the like comprising a housing including a tubular shell provided with end plates having inwardly extending bosses disposed axially of the housing and terminating in spaced surfaces within the housing, an elongate armature disposed within the housing axially of the shell, said armature being of a length less than the distance between said surfaces whereby equal air gaps are formed wholly within the housing between the armature ends and said bosses upon disposition of the armature in a neutral position intermediate the ends of the housing, a partition wall centrally of the shell and surrounding the armature with a small clearance space therebetween, said shell, end plates, armature and partition wall being formed of magnetic material so as to provide continuous magnetic paths extending throughout the entire housing and constituting portions of magnetic circuits that are interrupted only by said air gaps and said clearance space within the housing, and a pair of transformers disposed coaxially within the housing at opposite end portions thereof including primary and secondary windings, said transformers being adapted to work in opposition whereby the outputs of said transformers are balanced upon disposition of said armature in said neutral position.

2,494,580
DETERGENT COMPOSITION
Walter C. Preston, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application May 24, 1947, Serial No. 750,369
14 Claims. (Cl. 252—121)

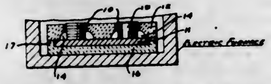
1. A detergent composition characterized by reduced tendency to form lime soap curd when used in hard water, comprising essentially a ternary mixture of a water-soluble soap, a water-soluble salt of an organic sulfuric reaction product having pronounced detergent properties and having in its molecular structure a radical selected from the group consisting of sulfonic acid and sulfuric acid ester radicals, and an ester of allyl alcohol and a soap-forming carboxylic acid, the ratio of soap:sulfuric reaction product salt being from ½:1 to 8:1 and the ratio of sulfuric reaction product salt:ester being from 1:1 to 10:1, and the amount of ester constituting at least 2 per cent of the combined weights of soap, sulfuric reaction product salt, and ester.

2,494,581
CHILD'S COMBINATION CAR SEAT AND SWING
Herbert Paul Prigg, Miami, Fla.
Application September 19, 1947, Serial No. 775,113
4 Claims. (Cl. 155—79)



1. In a portable seat for motor vehicles and the like, a seat having arms spaced thereabove, hook-like brackets having offset sections intermediate the ends and hooks on the outer ends, and means pivotally mounting the inner ends of the brackets in the inner ends of the arms, said arms having openings therein to receive the outer ends of the brackets.

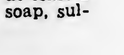
2,494,582
METHOD FOR FIRING GRADED GLASS TUBULAR SEALS
James Charles Prokopec, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application August 9, 1944. Serial No. 548,740
3 Claims. (Cl. 49—82)



1. The method of firing a tube composed of molded powdered glass and varying in composition from a high softening temperature glass at one end of the tube to a substantially lower softening temperature glass at the other end, which includes exposing the portion of the tube having the highest softening temperature to a source of heat external of the tube and having a temperature in the neighborhood of said highest softening temperature while substantially preventing heat from reaching the lower softening portions of the tube except by conduction through the tube.

2,494,583
PYROLYSIS OF C-ACETOXY ALIPHATIC AMIDES TO ACRYLAMIDES
William P. Ratchford, Philadelphia, and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 16, 1946, Serial No. 662,438
6 Claims. (Cl. 260—561)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. The process of preparing an N-lower alkyl amide of an alpha-beta unsaturated aliphatic carboxylic acid comprising pyrolyzing an N-lower alkyl amide of a C-alkanoyloxy lower fatty acid having more than two carbon atoms, the alkanoyloxy group being in one of the positions alpha and beta, the other of the positions alpha and beta having a hydrogen atom, the C-alkanoyloxy group being a lower

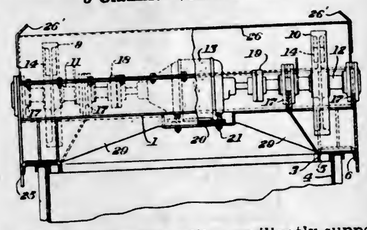


group, the N-lower alkyl radical being taken from the group consisting of



and N-(lower-alkyl)$_2$, at about 476° to about 559° C.

2,494,584
VIBRATORY DISCHARGER
Charles R. Rouse, Swissvale, Pa.; Helen M. Rouse administratrix of said Charles R. Rouse, deceased
Application August 12, 1946, Serial No. 689,975
3 Claims. (Cl. 214—44)



3. The combination with a resiliently supported bottom discharge container, of a bridge structure extending transversely across the top of the container, shoes positioned beneath the opposite ends of the bridge structure to rest the weight of the latter on the tops of the container side walls, said bridge structure having supports carried thereby, an unbalanced mass positioned on the bridge structure for rotation about an axis extending lengthwise of the bridge structure and thereby transversely of the container, means for rotatably supporting the unbalanced mass on said supports, a prime mover mounted on the bridge structure for rotating the unbalanced mass at a speed sufficient to cause the unbalanced weight of the rotating mass to forcibly raise and lower one side of the bridge structure relative to the tops of the container side walls during each revolution of the mass to apply a rapid succession of hammer blows to said side walls through said end shoes, means for resiliently supporting the prime mover on the bridge structure to dampen the transmission of vibrations from the bridge structure to the prime mover, and flexible drive means between the resiliently supported prime mover and the unbalanced mass.

2,494,585
OLEFINIC POLYMERIZATION IN THE PRESENCE OF FLUORINE COMPOUNDS
John S. Saylor, Jr., Reading, Pa., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 30, 1944, Serial No. 556,658
4 Claims. (Cl. 260—85.3)

1. A process for the copolymerization of an isoolefinic hydrocarbon of 4 to 7 carbon atoms in the molecule with a polyolefinic hydrocarbon of 4 to 14 carbon atoms in the molecule which comprises kneading the mixture of the isoolefin and the polyolefin at a temperature between —20° C. and —164° C. in the presence of a Friedel-Crafts catalyst and a chlorofluoro alkane which is solid at the reaction temperature and volatile below 100° F.

2,494,586
CRACKING HYDROCARBONS WITH MODIFIED KAOLIN CATALYST
Hubert A. Shabaker, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1946, Serial No. 666,178
5 Claims. (Cl. 196—52)

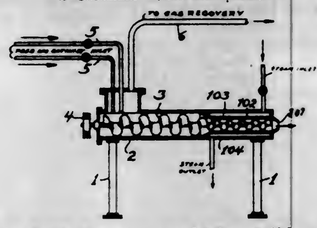
1. Process for cracking petroleum oil which comprises subjecting the oil under catalytic cracking conditions to contact with a catalyst comprising a modified clay composite of low iron content prepared by treating a kaolin clay containing iron and aluminum compounds with acid, thereby obtaining an extract containing iron in solution, discarding the iron-containing extract thus obtained, further treating the kaolin with acid to an extent sufficient to dissolve a portion thereof constituting a substantial quantity of the aluminum content of the kaolin, thereby forming an acid extract containing dissolved aluminum salt and a kaolin residue comprising silica and alumina, and reacting the aluminum salt-containing acid extract with an alkali metal silicate in the presence of said kaolin residue to precipitate an insoluble aluminum compound in said kaolin residue.

2,494,587
FORMING GASEOUS SULFIDES AND SULFIDATION THEREWITH
Hubert A. Shabaker, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 4, 1947, Serial No. 789,611
17 Claims. (Cl. 252—450)

6. The process of sulfiding natural absorptive hydrosilicate of aluminum containing iron compounds with dilute sulfiding gas at elevated temperature, which comprises contacting with said hydrosilicate a heated flue gas containing a minor proportion of free hydrogen and having added

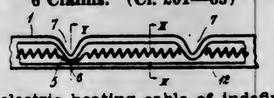
elemental sulfur suspended in said flue gas, said flue gas being at a temperature sufficiently high to effect chemical combination of hydrogen and sulfur in the presence of said hydrosilicate; thereby effecting conversion of iron compounds contained in said hydrosilicate to iron sulfide; said flue gas being substantially free from uncombined oxygen.

2,494,588
EXTRUDER REACTOR
Arthur C. Skooglund, Clark Township, Union County, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 1, 1943, Serial No. 512,444
2 Claims. (Cl. 23—285)



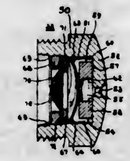
1. An apparatus for producing solid polymers of isobutylene which comprises an extruder casing having a bore possessing two portions in series, the first portion having a larger diameter than the other, the bore being fitted with an extruder head at the small-diameter discharge end, a gas-tight enlarged chamber having a closed top and communicating with the bore in the vicinity of the large-diameter end thereof, an extruder screw located within the bore and having two portions adapted to operate in the respective portions of the bore and adapted to transport plastic material from the large-diameter portion to the small-diameter portion of the bore, the screw portion located within the small-diameter portion of the bore having a smaller pitch than the screw portion located within the large-diameter portion of the bore, means for revolving the screw, a jacket surrounding the portion of the casing which contains the small-diameter bore and adapted to steam-heat said small-diameter bore, a pair of supply pipes in said enlarged chamber which terminate in close proximity to each other and to the screw, and a duct passing through the closed top of said enlarged chamber and adapted to conduct gases to a condensing and recovery tower.

2,494,589
ELECTRICAL HEATING BODY
Peder Gunnar Sletner, Oslo, Norway
Application May 14, 1947, Serial No. 747,883
In Norway September 16, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires September 16, 1960
6 Claims. (Cl. 201—63)



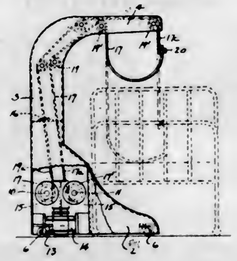
1. An electric heating cable of indefinite continuous length, comprising at least two interspaced current conductors adapted to be connected to terminals of opposite polarities, and a number of heating resistors mutually coupled in parallel and interconnecting said conductors at predetermined intervals.

2,494,590
ATOMIZING STRUCTURE
Keith V. Smith, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 20, 1945, Serial No. 611,484
3 Claims. (Cl. 299—120)



1. A liquid fuel-atomizing nozzle comprising a shell having a chamber open at one end and closed at the opposite end by an end wall having an emission opening therethrough; a disc-like core member at the inner end of the shell chamber and having a swirl chamber communicating with the emission opening; a retaining ring in the shell chamber near the outer end thereof; retaining structure formed integral with the inner wall of the shell chamber and adapted to limit outward movement of the retaining ring; a fuel strainer having an annular flange adapted to rest against the inner radial face of the retaining ring; a clamping ring positioned inwardly of the fuel strainer and adapted to clamp the flange of the latter between the clamping ring and the retaining ring; and a disc-like concavo-convex spring compressed in the space between the clamping ring and the core member, whereby said spring urges the former into clamping engagement with the strainer flange and the latter into engagement with the shell inner end wall.

2,494,591
INVALID LIFT
Orson P. Smith, Seattle, Wash.
Application March 9, 1948, Serial No. 16,961
3 Claims. (Cl. 5—86)



3. A portable base, a plurality of standards erected in alignment along one side of the base with arms extended from their upper ends and overlying the base, belt guide rolls in said arms and standards, a pair of winding shafts in the base lengthwise thereof, belt winding drums on the shafts, belts with opposite ends fixed respectively to the drums of the two shafts for winding thereon and extended over said guide rolls and forming the loops depending from said arms to cooperate in the support of a prone person therein, and means for individually controlling the winding of said shafts in either direction.

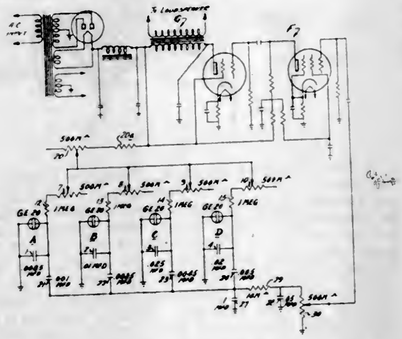
2,494,592
PROCESS OF TREATING SYNTHETIC POLYMERS WITH PHOSPHORUS AND SULFUR AND PRODUCTS OBTAINED THEREBY
William H. Smyers, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 19, 1945, Serial No. 594,793
10 Claims. (Cl. 260—79.5)

1. Process which comprises reacting a copolymer of about 15 to 40% by weight of a polymerizable mono-olefinic aromatic compound containing 8 to 13 carbon atoms of which 6 to 10 are part of the aromatic nucleus and of about 85 to 60% of an aliphatic mono-olefin of 3 to 8 carbon atoms, said copolymer having a molecular weight of about 1000 to 100,000, with about 0.1 to 5% by weight of a reagent comprising phosphorus and also comprising sulfur, at a reaction temperature between about room temperature and 250° C., to incorporate a substantial amount of both phosphorus and sulfur into the copolymer.

2,494,593
RECLAIMING RUBBER
Edward F. Sverdrup, Buffalo, N. Y., assignor to U. S. Rubber Reclaiming Company, Inc., Buffalo, N. Y., a corporation of New York
No Drawing. Application September 20, 1947, Serial No. 775,383
10 Claims. (Cl. 260—2.3)

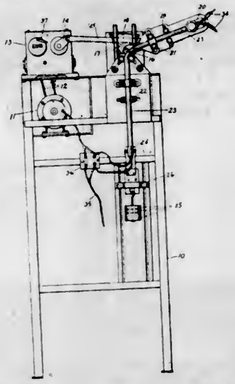
9. A method of plasticizing vulcanized rubber-like diolefine polymer material which comprises heating such material in the presence of a thiophene compound and kneading to plasticize the product.

2,494,594
AUDIO FATIGUE UNIT
Wilbert A. Swank, Dayton, Ohio
Application November 16, 1944, Serial No. 563,741
5 Claims. (Cl. 35—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



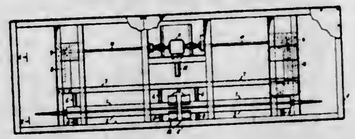
1. In an appliance for producing sound, a plurality of relaxation oscillator circuits each including a discharge tube wherein each circuit generates oscillations of a different fundamental frequency and harmonics thereof, means providing a common potential impressed on the said oscillator circuits, a fixed resistance included in said means operative to prevent synchronization in the oscillator circuits by producing unequal change in frequency for an equal drop in potential, a variable resistance included in said means between said fixed resistance and said oscillator circuits to vary the potential impressed on all the oscillator circuits for varying the respective fundamental frequencies of oscillation thereof, variable resistance means in each relaxation oscillator circuit for individually varying the potential impressed on its discharge tube to individually vary the oscillation thereof, said variable resistance means of the oscillator circuits having a common connection with the variable resistance of the first mentioned means, and means for mixing the oscillations from said circuits to produce a beat frequency.

2,494,595
CABLE BENDING AND TWISTING MACHINE
Edward C. Taylor, Valley Stream, and August F. Brenneis, Brooklyn, N. Y.
Application December 11, 1945, Serial No. 634,340
6 Claims. (Cl. 73—91)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A testing machine for conductors comprising an electric circuit having the conductor under test in series therewith, a plurality of clamps adapted to secure said conductor in selected position, and electrical means to oscillate at least one of said clamps relative the other clamps, said means being connected in series with said circuit.

2,494,596
VARIABLE REACTANCE DEVICE
Julius Vahle, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application November 26, 1948, Serial No. 62,171
3 Claims. (Cl. 171—242)



1. A variable high frequency reactance comprising two flat plates of electrically conductive material of substantially equal dimensions, the length of each said plate being less than one quarter wave length at a desired operating frequency, a flexible electrically conductive connec-

tion between said two plates at one end, means for supporting one said plate in a fixed position and means for varying the second said plate in parallel spaced relation with the first said plate.

2,494,597
VINYL AIR-DRYING WRINKLE COMPOSITION AND METHOD OF APPLYING SAME
William A. Waldie, Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application February 28, 1947, Serial No. 731,718
5 Claims. (Cl. 117—41)

2. In a method of coating articles with a wrinkle-textured film, the steps of preparing a mixture consisting of from 4 lbs. of polyvinyl butyral, 4 gals. of butanol and 1 gal. of water; allowing air to escape from said mixture; applying said mixture to the surface to be coated; and drying said coating whereby a wrinkle-textured film is obtained.

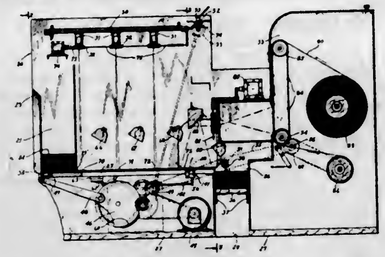
2,494,598
HYDRAULIC PACKING AND SEAL
Alfred C. Waring, Dayton, Ohio
Application June 16, 1947, Serial No. 755,010
2 Claims. (Cl. 309—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination in a seal against fluid pressure, a semi-circularly-grooved first seal ring of heat-resisting non-porous tough flexible plastic material, a solid rubber second seal ring having a substantially larger radius of sectional curvature than that of the first seal ring, the second seal ring nesting into the first seal ring, the rubber ring being disposed between the plastic ring and the pressure transmitting fluid so that under pressure the rubber ring deforms to fit the plastic ring and the plastic ring deforms to support the rubber ring.

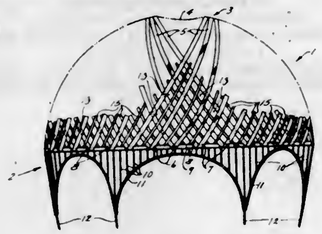
2,494,599
MEANS FOR PHOTOGRAPHICALLY PRODUCING A PLURALITY OF ASSEMBLAGES OF PRESELECTED DATA
Joseph V. Weckbaugh, Greenwich, Conn.
Application July 27, 1946, Serial No. 686,662
6 Claims. (Cl. 88—24)

1. In apparatus of the nature set forth: a housing affording an open top loading stack for the reception of data-bearing jacket members to be superposed therein, said stack being provided at the bottom with a lateral slot to pass a single jacket, a platform in the plane of the slot and located immediately adjacent the same to receive and support for advancement a plurality of jacket members, said housing affording a further stack for discharge of jacket members from the opposite end of the platform, the discharge stack having an opening substantially in the plane of said platform to receive jacket members moved thereover; intermittently operating means adapted for engagement with jacket members at the bottom of the loading stack to advance the same through its lateral slot onto the platform and toward the discharge stack; photographic means to photograph simultaneously selected portions from a predetermined number of data-bearing jacket members positioned upon the platform; additional photographic means to photograph selected portions from an individual jacket



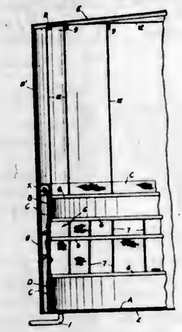
member in another position on the said platform; and driving means for actuating the jacket member advancing means and both of the photographic means, together with timing means driven thereby for controlling the actuation of both of the photographic means during intervals of rest of jacket members upon the platform.

2,494,600
PARACHUTE COMPOSED OF ALTERNATING TAUT AND LOOSE RIBBONS
Friedrich Stefan Weinig, Stuttgart-Moehringen, Germany
Application October 13, 1947, Serial No. 779,442
10 Claims. (Cl. 244—145)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



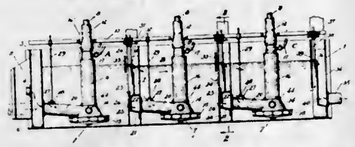
1. In a ribbon parachute, a canopy having an apex vent, a skirt, and a plurality of load sustaining ribbons inclining upwardly from points equally spaced around the canopy skirt and extending across the top of the canopy at one side of the apex vent and downwardly to certain of said spaced points located at the opposite side of the canopy, forming a canopy of obliquely crossing ribbons having rhombic shaped openings throughout the canopy area between the edges of the ribbons, a plurality of secondary ribbons extending across the rhombic shaped openings between the primary ribbons and secured to the primary ribbons at each side of each of the openings, each of said secondary ribbons being greater in length than the primary ribbons so as to be displaced outwardly of the surface contour of the primary ribbons by the air passing through the rhombic shaped openings to form obstructions to the free passage of air from the interior of the canopy to the exterior during descent.

2,494,601
FLUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application January 26, 1945, Serial No. 574,677
5 Claims. (Cl. 48—178)



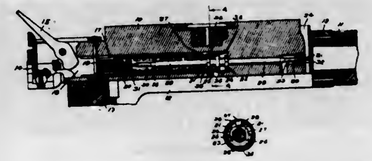
1. A fluid storage apparatus, comprising a container having a side wall, a vertically-movable piston in said container, a flexible, curtain-like sealing means between said piston and side wall, attached to said side wall and piston, said flexible sealing means collapsing and extending with the movement of said piston and being adapted to bear against the container side wall during the cycle of operations of the piston and a vertically-movable backing and reinforcing structure located above the said flexible sealing means for preventing said sealing means from moving into the path of travel of the piston, comprising a plurality of annular members of different diameter which are disposed in telescoped relationship during the cycle of operations of the piston, one of said annular members being rigidly attached to the piston so as to move with same throughout the entire stroke of the piston.

2,494,602
FROTH FLOTATION APPARATUS
Harold M. Wright, Vancouver, British Columbia, Canada
Application August 7, 1945, Serial No. 609,414
3 Claims. (Cl. 209—169)



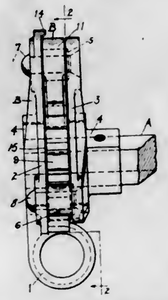
2. In froth flotation apparatus having at least two cells and a wall interposed between the cells having an upper passage for the interchange of pulp between the cells, a rotary impeller in each cell, a hood covering the impeller, means including at least one conductive member for delivering gas under pressure into each cell from an outside source of supply, a feed conduit inclining downwardly from a wall of the cell and delivering pulp onto the impeller through the hooded enclosure, at least one said conduit extending to a point adjacent the wall between the cells, an adjustable weir defining the passage in said wall for regulating the pulp discharge from a first cell into the main pulp body in a second cell of the plurality, and a submerged baffle spaced from the weir in the first cell to prevent a surface flow of pulp or froth to said weir, the improvement which comprises an enclosed, enlarged intake compartment connected to the upper end of the feed conduit and having a portion extending above the conduit and sealing the end of the conduit from direct upward travel of entrained gas, there being a passage into a lower portion of said intake compartment from the preceding cell of the plurality, and a gate mounted for sliding movement to selectively open and close said passage and having a control portion extending above the top of said weir.

2,494,603
FIRING PIN
Roy A. Wykoff, Jr., Keokuk, Iowa
Application October 1, 1946, Serial No. 700,542
7 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An elongated firing pin terminating at one end in a firing pin point, said pin having, remote from said point, a radial flange comprising two coplanar semi-circular portions of different radii.

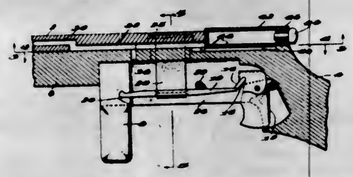
2,494,604
SAFETY DEVICE FOR RAILWAY CAR DOOR OPERATING MECHANISM
Albert E. Zimmer, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1945, Serial No. 577,463
6 Claims. (Cl. 74—157)



1. In a railway dump car door operating mechanism, a shaft rotatable in either direction for operating said mechanism to open or close the doors, a ratchet mechanism on said shaft including a handle bar for manually rotating said shaft, a pawl for said ratchet mechanism movable manually to either of two positions depending upon the direction in which the shaft is to be rotated, and means to prevent the pawl from being thrown from one position to the other when the shaft is rotated by the opening of the doors under load said means including a fixed

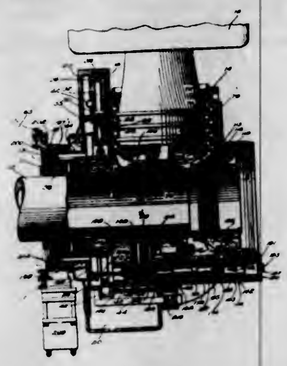
cam member fixed relative to the axis of rotation of said pawl and adapted to be engaged by the moving pawl to retard the pawl prior to its reaching said other position.

2,494,605
TOY FIREARM
Oscar A. Albrecht, Omaha, Nebr.
Application March 6, 1944, Serial No. 525,237
3 Claims. (Cl. 46—1)



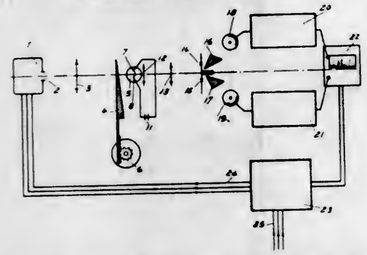
1. In a toy firearm, a barrel, a stock, a refillable powder magazine, approximately in alignment with said barrel, said magazine forming a storage space for powdered material, a resounding anvil, a clapper impinging on said anvil, and means relieving said impingement, the said barrel having a central bore communicating through reducing channels with said magazine chamber.

2,494,606
HYDRAULIC PUMP FOR PROPELLER PITCH CHANGING MECHANISMS
John E. Anderson, Portland, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application April 8, 1943, Serial No. 482,264. Divided and this application September 21, 1944, Serial No. 555,111
8 Claims. (Cl. 170—160.33)



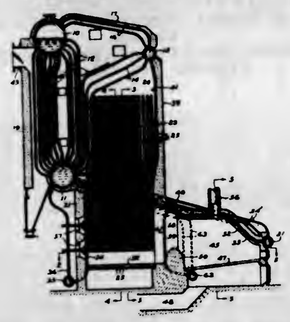
1. A device for feathering airplane propellers comprising in combination, a cam, an annular manifold surrounding said cam, pump units supported by said manifold and surrounding and in operative engagement with said cam, a propeller including pitch control mechanism, a propeller drive shaft, said manifold, pumps, and propeller being rotated about said cam by said drive shaft to operate said pump, and means for rotating said cam and operating said pump to withdraw fluid from said manifold and deliver fluid to said propeller pitch control mechanism when said drive shaft is stationary.

2,494,607
OPTICAL PYROMETER
Georges Bouchet, Bellevue, France, assignor to Societe "Quartz & Silice," Paris, France, a corporation of France
Application December 29, 1945, Serial No. 638,332
In France June 7, 1944
2 Claims. (Cl. 236—15)



1. In combination, for the regulation of the temperature of a furnace, a comparison lamp including two incandescent filaments heated to different temperatures the one from the other, optical means for forming, adjacent to said filaments, an image of the incandescent inside of said furnace, two photo-electric cells, an opaque screen provided with two slots parallel to the filaments of the lamp, means for vibrating said slotted screen transversely to the slots, means for continuously subjecting each of said cells to the alternating luminous actions of said image and one of said filaments, an electric circuit connected to the output of each of said cells and electric means fed by the said circuits for regulating the feed of energy to said furnace in accordance with the temperature thereof.

2,494,608
FURNACE
Dale Bumstead, Jr., Seattle, Wash.
Application August 1, 1945, Serial No. 608,207
4 Claims. (Cl. 122—240)



1. A multiple furnace installation comprising a main furnace of considerable height arranged for the combustion of a high grade fuel in suspension, a relatively low auxiliary furnace having its wall connected to the lower portions of the walls of the main furnace and arranged for the combustion of a mass of low grade fuel, the auxiliary furnace having an outlet opening through which hot gases flow directly into the lower portion of the main furnace, a bridge wall located between the two furnaces and forming the lower margin of

the outlet opening, a roof for the auxiliary furnace having a portion which forms the upper margin of the outlet opening and slopes upwardly toward the main furnace so that the gases will flow upwardly as they enter the main furnace, an additional wall located adjacent the bridge wall and extending laterally between the two furnaces from one side wall of the auxiliary furnace toward the other side wall thereof to form one lateral margin of the outlet opening, the laterally extending wall being subjected on one side to the heat within the main furnace and on its opposite side to the heat within the auxiliary furnace, and upright water tubes associated with the laterally extending wall and located adjacent the main furnace side of said wall to cool the same and shielded thereby from the heat within the auxiliary furnace.

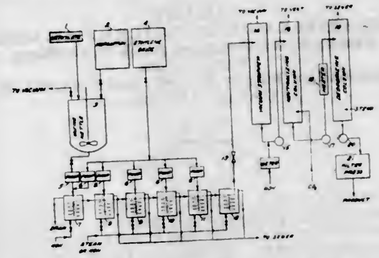
2,494,609
CALCULATOR
Carlo Dalboni, New York, N. Y.
Application June 13, 1946, Serial No. 676,441
3 Claims. (Cl. 235—69)



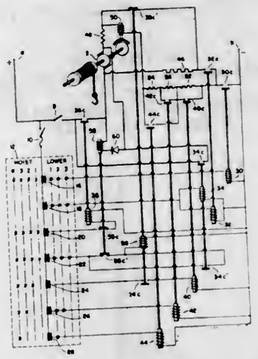
1. A calculator comprising an elongated casing open at an end and consisting of a main strip having forwardly projecting ribs along its side edges and a block extending across one end, a cover strip secured upon the side ribs and upon a block carried by the main strip, said block closing an end of the casing, the cover strip being formed with a large longitudinally extending opening adjacent the open end of the casing and with transversely extending slots spaced from each other longitudinally of the cover strip, each slot being cut to form transversely offset stepped portions, computing strips extending longitudinally in said casing in side by side relation to each other and being shiftable longitudinally through the open end of the casing, said computing strips having upon their front faces upper and lower longitudinally extending lines of numbers and adjacent their outer ends each having its front face provided with a line of figures in consecutive order, openings being formed through computing strips between numbers of the last mentioned line of numbers whereby a longitudinally extending shifting member may be engaged in an opening adjoining a selected number and the computing strips shifted longitudinally to dispose selected ones of the last mentioned numbers in a column one under another at the outer end of the elongated opening of the cover strip and cause predetermined upper and lower numbers on the computing strips to be displayed in columns through the slots of the cover strip, and a shield carried by and slidable longitudinally along the casing and formed with staggered openings moved into position to expose predetermined numbers displayed through the slots of the cover strip when the inner end of the shield is even with a selected one of a series of numbers provided upon the outer face of the cover sheet.

2,494,610
MANUFACTURE OF GLYCOL THIOETHERS
John B. Davidson and John F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc., a corporation of Delaware
Application February 6, 1947, Serial No. 726,840
11 Claims. (Cl. 260—609)

1. In a process for the condensation of a mercaptan with ethylene oxide in the presence of a catalyst for said condensation, the steps comprising flowing a stream originally containing said mercaptan, said catalyst and at least 0.5 molecular equivalent of ethylene oxide based on mercaptan through an initial reaction zone maintained under temperature conditions below 75° C. but sufficiently high to initially condense ethylene oxide with said mercaptan, and thereafter flowing said stream with ethylene oxide present through a succeeding reaction zone maintained under temperature conditions between 85° C. and 150° C. to further condense ethylene oxide in said stream.



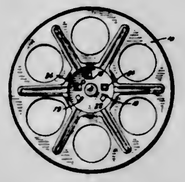
2,494,611
ANTIPLUGGING CONTROL FOR MOTORS
Julius G. Eisenberg, Chicago, Ill., now by judicial change of name Julius G. Elwood, assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application March 29, 1946, Serial No. 658,054
2 Claims. (Cl. 318—262)



1. An anti-plugging control for a hoisting motor or the like having a power circuit for supplying power to the motor and a control circuit for controlling the rotation of the motor which control comprises a dynamic braking resistance in the power circuit, an anti-plugging relay coil connected across the motor armature, a rectifier in series with said relay coil, said rectifier permitting flow of current only in the direction of the counter electromotive force during lowering, contacts in the control circuit operable by said relay, said contacts being closed during rotation of the motor in a hoisting direction, said rectifier passing sufficient current to energize said relay when lowering and to keep said relay energized when

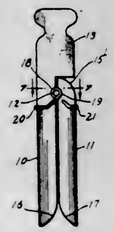
the lowering circuit is interrupted to thereby hold open said contacts and prevent rotation of said motor in a hoisting direction until the kinetic energy of the load is absorbed in the dynamic braking resistance.

2,494,612
SEPARABLE MOVING PICTURE FILM REEL
Nathan E. Goldberg and Jacob M. Goldberg, Denver, Colo.
Application October 31, 1947, Serial No. 783,332
13 Claims. (Cl. 242—70)



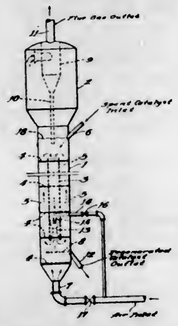
13. A separable moving picture reel, comprising two circular sides, each having a circular central depressed portion, the portions being in juxtaposed relationship, means on one portion extending through apertures in the other portion for preventing angular movement between the two portions, means mounted for rotary movement on one portion selectively engageable with the means aforesaid for preventing movement between the portions in a direction laterally thereof, and means for locking the rotary means to the depressed portions in a predetermined position, said locking means adapted to be moved to an inoperable position and be retained thereat.

2,494,613
CLOTHESPIN
Arpad J. Gordos and Minnie B. Gordos, Clymer, Pa.
Application October 11, 1946, Serial No. 702,840
1 Claim. (Cl. 24—137)



A clothes pin comprising an integral head and jaw member having a jaw-received recess in one side thereof, said recess having a shoulder at its head end, a separate jaw in said recess, a spring having a coil portion between said jaws adjacent said head, and a pair of legs extending one from each end of said coil portion and around respective jaws, said jaws having spring-coil-receiving recesses in the opposed faces thereof adjacent said head and said separate jaw having a rounded outer end portion adjacent said shoulder to permit opening and closing movements of said separate jaw relative to said integral jaw.

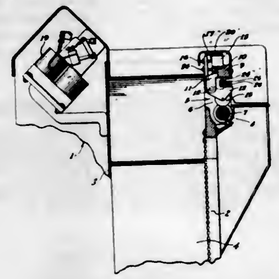
2,494,614
PROCESS AND APPARATUS FOR FLUIDIZED CATALYST REGENERATION
Henry W. Grote, Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 28, 1947, Serial No. 788,637
6 Claims. (Cl. 252—417)



1. In the regeneration of finely divided catalyst particles which have been contaminated with a carbonaceous deposit, the improved method of regeneration which comprises charging contaminated catalyst and a gaseous regenerating medium to a regenerating zone and maintaining therein fluidized beds of catalyst in a series of connecting and superimposed contacting zones, restricting the flow between said series of zones and maintaining successively lower pressures from the lowermost to the uppermost of said zones, supplying a portion of said regenerating medium in an upward direction to the lowermost of said zones, whereby said medium provides reactivation of said particles and the transfer of said catalyst in a fluidized condition successively upwardly through each of said superimposed zones, accumulating catalyst particles in an upper zone of said series and passing them in a relatively compact column downwardly therefrom to said lowermost zone, introducing a second portion of said regenerating medium in a downward direction to ejectment means at the lower end of said column and thereby forcibly ejecting said catalyst particles in a controlled manner to the lowermost zone of said series to maintain a continuous cyclic flow of catalyst upwardly through said series of contact zones, withdrawing regenerated catalyst from one of said contacting zones, and discharging resulting combustion gases from the upper portion of the regenerating zone.

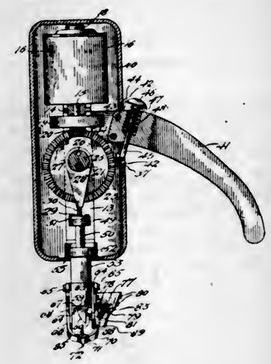
2,494,615
SWITCH ARRANGEMENT FOR MONEY COUNTING MACHINES
Thomas E. Hayes, Washington, D. C.
Application June 19, 1946, Serial No. 677,859
8 Claims. (Cl. 200—52)

8. In a machine for counting paper money, a support, a pair of feed rollers, a circuit closer mounted on said support and having contacts normally urged toward circuit-closed position, one of said rollers journaled in said support, movable means mounted on said support and carrying said other roller, said movable means normally urged into abutting relation with said circuit-closer to hold said contacts in circuit-open position, a rock shaft, an abutment on said rock shaft, said abutment being in the path of movement of said movable means, an arm fixed to said rock shaft, a second circuit-closer having contacts normally urged toward circuit-closed position, and means urging said arm into



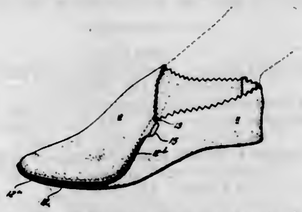
abutment with said second circuit-closer to hold said contacts in circuit-open position, said abutment being spaced from said movable means a distance greater than the extent of movement of said movable means when a paper bill is inserted between said rollers.

2,494,616
ELECTRIC CAN OPENER
Fred Hensel, Los Angeles, Calif.
Application September 26, 1946, Serial No. 699,385
19 Claims. (Cl. 30—4)



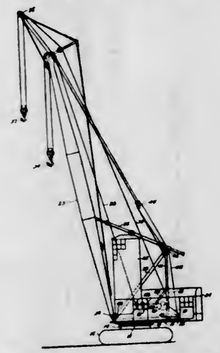
19. In a power driven can opener a guide, a knife blade mounted in said guide to be advanced and retracted through one end thereof along its longitudinal axis, a pair of spaced parallel feet extending longitudinally from the guide adjacent opposite edges of the knife blade, said feet having aligned can head receiving notches in their ends remote from the guide, manually controlled means connected to the knife blade alternately to advance and retract the knife blade along its longitudinal axis between the feet and means carried by the guide and actuated by the knife blade during its advance along its longitudinal axis to engage the can head and advance the knife blade along a path which lies in a plane perpendicular to the longitudinal axis of the knife.

2,494,617
ONE-PIECE FOOT COVERING
Rose Hogan, San Francisco, Calif.
Application June 27, 1949, Serial No. 101,643
4 Claims. (Cl. 36—11)



1. A shoe formed from a single sheet of pliable material comprising the entire sole and upper, a forward fold of said sheet of material forming a sheath adapted to receive the forward portion of a foot including the instep, said fold having complemental edges at the toe end and outer aspect of the shoe united as a seam extending at sole level from around the toe end of the shoe to a point adjacent the portion of the shoe adapted to receive the ball of the foot and then diagonally upward to the mouth of the shoe on the outer side of the instep portion, a reinforcing tongue bridging the seam at the mouth of the shoe, a rear fold of said material forming the heel receiving portion of the shoe and being closed at the rear end thereof by a vertical seam having a reinforcing tongue bridging its upper end, said seam having a lower curved portion defining an enlargement in the lower rear portion of the shoe constituting a heel fitting pocket.

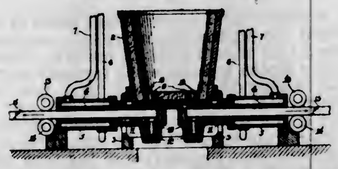
2,494,618
OPERATING MACHINERY FOR LOAD HANDLING EQUIPMENT
William M. Huston, Lima, Ohio
Original application July 5, 1945, Serial No. 603,376. Divided and this application May 24, 1946, Serial No. 672,059
4 Claims. (Cl. 212—38)



1. In a crawler type load handling machine having a rotating base mounted for swing motion and a boom carried by the base in front of the axis of swing motion, operating machinery carried by the base and comprising, in combination with an engine mounted at the rear of the rotating base, a jack shaft ahead of the engine and driven therefrom, a rear drum shaft ahead of the jack shaft and driven therefrom, a front

drum shaft ahead of the rear drum shaft and driven therefrom, and a reverse shaft between the front and rear drum shafts and adapted to be driven alternatively from one or the other of the drum shafts, said four shafts all being mounted to the rear of the axis of swing motion.

2,494,619
INSTALLATION FOR THE CONTINUOUS CASTING OF INGOTS
Jean François Auguste Jacquet, Brussels, Belgium
Application January 26, 1946, Serial No. 643,630
In Belgium February 11, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 11, 1963
1 Claim. (Cl. 22—57.2)



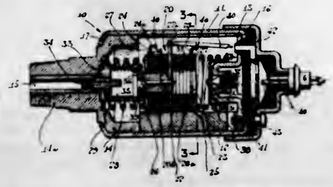
A casting apparatus comprising a refractory vessel having a base, said base being provided with an outlet bore therethrough having a vertical axis, a removable plug in said outlet bore, a horizontally disposed runner communicating with said outlet bore, said runner having a chamber protruding downwardly therebelow in alignment with said outlet bore, said chamber being of a size to accommodate said plug at the initiation of flow of molten metal from the vessel to the runner, including an ingot core in said runner disposed for horizontal withdrawal therefrom and supporting said plug in said outlet bore prior to initiation of flow.

2,494,620
FISH LURE
Worth J. Johnson, Detroit, Mich.
Application April 23, 1946, Serial No. 664,218
1 Claim. (Cl. 43—28)



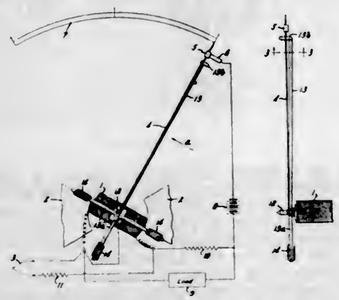
A fish lure comprising a relatively rigid shaft adapted for connection at one end to a fishing line, at least one rotary member on said shaft, said rotary member comprising a pair of longitudinally-spaced tubes rotatably circumposed on said shaft, an arcuate spring wire having opposite ends connected to said tubes respectively, a stop disposed on said shaft intermediate said tubes and secured to said shaft for adjustment therealong, a fish lure, and means for slidably and pivotally mounting said fish lure on said arcuate wire for movement intermediate the ends thereof, at least one of said spaced tubes being normally spaced from said stop by said wire, and said wire and spaced tubes constituting a resilient connection between said lure and said shaft.

2,494,621
PRESSURE-RESPONSIVE VARIABLE RESISTANCE DEVICE
Harry S. Jones, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application August 30, 1945, Serial No. 613,551
6 Claims. (Cl. 201—48)



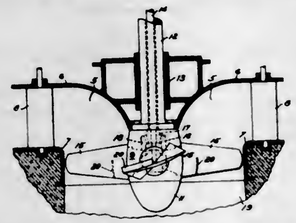
1. A pressure transmitter for remote condition-indicating systems comprising a pile including flat annular resistance elements responsive to pressure, said pile being held substantially fixed at its ends under a predetermined compression, a conductor plate between said resistance elements at the center of said pile, a pressure-responsive expansible member, and means extending axially through the portion of said pile at one side of said conductor plate and coupling said member to said conductor plate.

2,494,622
CONTACT ARM FOR SELF-RESETTING MAGNETIC CONTACT RELAYS
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application February 6, 1948, Serial No. 6,777
9 Claims. (Cl. 175—320)



1. In an instrument type relay, a moving system including rotatable coil means adapted to be connected to a source of control current, contact arm means rotatable with said coil, a stationary contact, a movable contact carried by said arm means for engagement with said stationary contact, one of said contacts being of magnetic material and the other of magnetized material to assure firm engagement therebetween, means for applying a counter torque to said moving system to develop a force for resetting said contacts, and means associated with said contact arm means for suddenly applying said force to said contact arm means at a point close to said movable contact subsequent to an initial and substantially unrestrained angular deflection of said moving system in said contact reset direction.

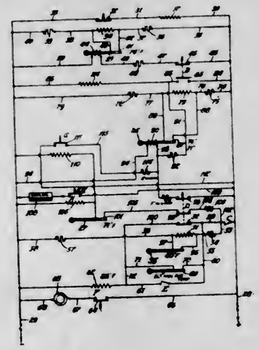
2,494,623
HYDRAULIC TURBINE
Newton A. Landt, Wisconsin Dells, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 6, 1945, Serial No. 571,577
3 Claims. (Cl. 253—148)



1. In a hydraulic turbine: a turbine runner adapted to be driven by water passing therethrough, said runner comprising vanes extending laterally from a central hub and being of the type for cooperation with a coaxially whirling body of water fed thereto and said vanes being carried by said hub at respective places spaced axially from the terminal end of said hub, said hub tapering downstream from said runner toward said terminal end; means including conduit means and guide vanes for feeding such a cooperating body of water against the upstream faces of said vanes to cause rotation of said runner; a draft tube on the downstream side of said runner into which water from said turbine runner is dischargeable, and into which said hub extends; and means for altering the normal free flow of water along the upstream faces of said vanes to cause water to flow along the upstream inner peripheral faces of said vanes to the discharge edges thereof and thence along the exposed surface of said hub, said means comprising a fin on each of said vanes on the respective upstream faces thereof, each fin being disposed between the inner and outer peripheries of its respective vane.

2,494,624
AUTOMATIC TEMPERATURE CONTROL APPARATUS
Timothy J. Lehane, Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application May 20, 1946, Serial No. 670,993
9 Claims. (Cl. 257—3)

1. An automatic temperature control apparatus comprising means for delivering heat into an enclosed space, means for controlling the supply of heating medium to the heating means including an electrically operable valve and a temperature sensitive control therefor which is effective at a predetermined maximum temperature within the space to shut off the supply of heating medium; means for delivering air into the enclosed space, means for cooling said air, a temperature sensitive control means set to function at a predetermined temperature of the delivered air to maintain the air delivery means effective, a temperature sensitive control means set to function at a temperature within the space lower than



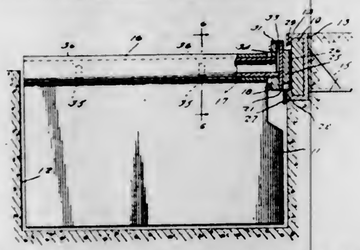
said predetermined maximum for making the air cooling means effective, and a temperature sensitive means for making the last mentioned control means effective and ineffective, respectively, above and below a predetermined outside temperature.

2,494,625
AIRFOIL HEATING MEANS
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 3, 1945, Serial No. 626,491
3 Claims. (Cl. 244—134)



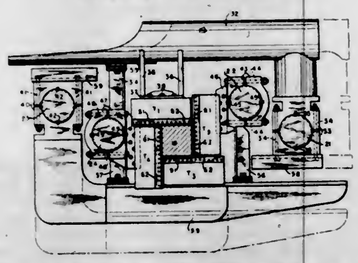
1. In combination, a hollow metal propeller blade comprising a metal shell having an airfoil shaped outer surface and an inner surface, a heater strip adhesively secured to, pressed against, and covering a selected portion of, said inner surface, means localizing the application of heat to, and additionally holding said strip against, and positioning said strip on, said inner surface comprising heat insulating multi-cellular filling material substantially filling the hollow blade adjacent the heater strip and bonded to the heater strip and said inner surface and surrounding said strip, said strip being located between said heat insulating filler material and said inner surface and at the portion of the blade to be heated.

2,494,626
PADDLE MOUNTING FOR RECIPROCATING GUTTER HOE-TYPE CONVEYERS
Ford L. Nickerson, Gilboa, N. Y.
Application April 20, 1948, Serial No. 22,213
4 Claims. (Cl. 198—224)



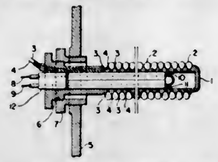
1. In a reciprocating conveyor for a gutter, channel, chute and the like, having a beam slidably mounted in substantially parallel relation to one side of the gutter, means for reciprocating the beam longitudinally, and a plurality of conveyor blades or paddles disposed at right angles to one side of said beam transversely of said gutter and mutually spaced apart to form a series, the combination of a mounting for each of said blades or paddles, said mounting including a support fixed upon one side of said beam, a mounting block slidably supported upon said support for predetermined vertical sliding movement, a bearing member secured at one end to the mounting block and extending therefrom transversely across said gutter, a paddle support swingably mounted upon said bearing member and directly carrying the blade or paddle, and stop means limiting the swinging movement of said blade to a depending vertical position in said gutter during forward feeding movement along the latter and to an inclined swung position during idling return movement thereof along said gutter.

2,494,627
APPARATUS FOR SCARFING BILLETS AND THE LIKE
Reidar J. Nicolaisen, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application July 10, 1947, Serial No. 760,157
8 Claims. (Cl. 266—23)



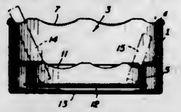
1. Apparatus for scarfing billets, blooms, slabs, and the like, comprising a tip arm carrier at each side of the apparatus, a pair of tip arms mounted in each carrier and extending longitudinally of the billet or the like to be scarfed, the two tip arms in each carrier being pivotally mounted therein for independent movement in vertical planes about horizontal axes, each of said carriers being pivotally mounted for movement about a vertical axis whereby the forward ends of the two tip arms carried by it are movable in unison horizontally, a horizontally disposed scarfing tip mounted on the forward end of one tip arm of each pair and a vertically disposed scarfing tip mounted on the forward end of the other tip arm of each pair, the scarfing tips thus mounted on the tip arms constituting two pairs of right-angularly related tips one of which pairs of tips is adapted to scarf the top face and one vertical face of the work-piece and the other of which pairs of tips is adapted to scarf the bottom face and the other vertical face of the work-piece, actuating means for moving said tip arms about their horizontal axes to adjust the scarfing tips vertically, and actuating means connected to said carriers for moving them about their vertical axes to adjust the two pairs of scarfing tips horizontally.

2,494,628
ELECTRIC MOISTURE-TEMPERATURE DEVICE
Harold J. Oberding, Gary, Ind., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 18, 1948, Serial No. 15,667
5 Claims. (Cl. 201—63)



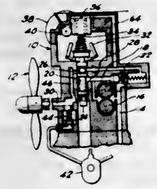
1. An apparatus for measuring the temperature at which a hygroscopic material reaches a water content in equilibrium with the moisture content of the gaseous medium contacting the material, which comprises in combination, an elongated tubular supporting member of a non-electrically conductive material, said member being helically grooved and having a pair of spaced and unconnected electrically conductive wires wrapped around said tubular member on the raised surface thereof, rope-like wicks impregnated with said hygroscopic material and wrapped around said tubular member in contact with and between said spaced pair of wires, means extending said wires through the end of said tubular member and means connecting a constant voltage supply thereto, a temperature sensitive element positioned within said tubular member in close proximity with said impregnated wick, whereby to measure the temperature within the latter resulting from the current flow therethrough.

2,494,629
CIGARETTE ASH RECEIVER
George V. Randel, Boise, Idaho
Application October 12, 1948, Serial No. 54,088
2 Claims. (Cl. 131—240)



1. A cigarette ash receiver comprising an inner cylindrical receptacle embodying a top section and a reduced diameter bottom section depending therefrom and connected thereto and having a foraminous bottom, said sections having scalloped rims forming concave seats around the same for supporting cigarettes in upright inclined position in said receptacle with lighted ends resting on said bottom to provide for ashes falling through said bottom, an outer receptacle in which said top section is removably fitted, and means for suspending the inner receptacle in the outer receptacle with the bottom of the inner receptacle spaced above the bottom of the outer receptacle whereby ashes falling through said foraminous bottom will be caught in said outer receptacle.

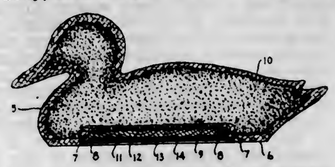
2,494,630
AUTOMATIC RESETTING DEVICE FOR GOVERNORS
Nelson R. Richmond, Thompsonville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application October 2, 1940, Serial No. 359,370. Divided and this application January 26, 1944, Serial No. 519,799
7 Claims. (Cl. 170—160.19)



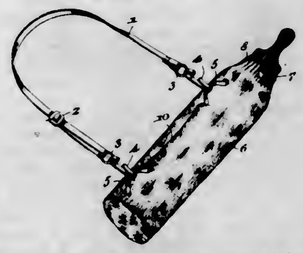
2. In combination with a controllable pitch propeller having an hydraulically actuated pitch changing mechanism and means defining a low pitch position, a source of hydraulic fluid under pressure for operating said pitch changing mechanism, a speed responsive governor, governor speed selecting means having a range of normal speed settings, and a valve operated by said governor for connecting said pitch changing mechanism with said source to change the propeller pitch in one direction and for connecting said pitch changing mechanism with drain to change the propeller pitch in the other direction, hydraulically-actuated mechanism responsive to the hydraulic pressure in said pitch changing mechanism for automatically changing the speed setting of said governor and having one position in which the governor setting is below said range of normal speed settings, and a continuously-open liquid-conducting conduit connecting said pitch changing mechanism and said hydraulically-actuated governor speed setting mechanism.

2,494,631
PULP DECOY
Arthur H. Risch, Wauwatosa, Wis., assignor to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 5, 1946, Serial No. 694,939
3 Claims. (Cl. 43—3)

1. A molded decoy comprising, a hollow body of molded material having a bottom recess, a righting board confined entirely within said recess, a sealing sheet disposed over the external surface of said board also within said recess, said sheet extending beyond the edges of said board and overlapping the adjacent portions of said body, and a layer of adhesive sealing material covering said sealing sheet within said recess.

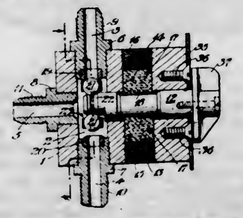


2,494,632
NURSING BOTTLE HOLDER
Robert Rodin, Philadelphia, Pa., assignor, by direct and mesne assignments, of two-thirds to W. Victor Rodin and Leonard Helfenstein, both of Philadelphia, Pa.
Application October 22, 1948, Serial No. 56,015
3 Claims. (Cl. 224—5)



1. A nursing bottle holder comprising a belt having ends and means for adjusting the length of the belt, a substantially cylindrical flexible cover or pouch having a confined open end having elastic material in said open end and a closed end for enclosing an infant nursing bottle but permitting the end of the nursing bottle to protrude through said open end, said pouch having spaced independently mounted fastening members directly attached to said pouch arranged at a distance from each other longitudinally thereof, said belt ends each having attaching means for attachment to said fastening members and a slit in said pouch, said slit extending longitudinally of said pouch to permit inspection of a bottle enclosed by said pouch.

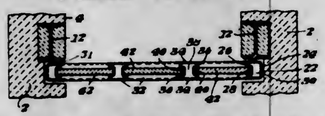
2,494,633
VALVE
Theodore F. Schlicksupp, Long Island City, N. Y.
Application July 31, 1946, Serial No. 687,459
4 Claims. (Cl. 277—13)



1. A valve comprising a body having a valve chamber therein, fluid passages communicating

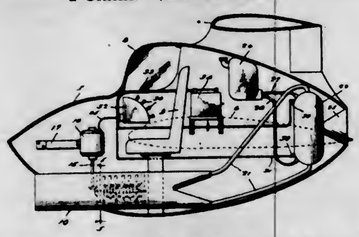
with said chamber, a pair of balls in said chamber, a valve stem rotatably mounted in the body and having an eccentric end portion projecting into said chamber, a ball retainer holding said balls in predetermined spaced relation and in engagement with the eccentric end portion of the valve stem, said ball retainer being guided in said valve chamber to cause the balls to move rectilinearly in the direction in which they are spaced, and a valve seat at the inner end of at least one of said fluid passages with which one of said balls cooperates, whereby rotation of the valve stem causes its eccentric end to move said balls rectilinearly in unison and to positively seat and unseat said ball that cooperates with the valve seat.

2,494,634
WATER-COOLED REFRACTORY DAMPER
William E. Schmidt, Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application November 6, 1946, Serial No. 708,002
5 Claims. (Cl. 251—51)



1. A water-cooled refractory damper having two sides and two ends, which damper comprises a hollow metallic frame extending along two sides and one end of the damper, said frame having spaced-apart inner and outer walls forming a water chamber, the water chamber along each side of the damper being U-shaped in cross-section with the legs of the U extending inwardly toward the opposite side of the damper and providing a recess between the legs, and refractory tiles received in said recesses and extending from side to side of the damper, each of said refractory tiles having a thickness throughout its length equal to the width of the recess.

2,494,635
COMPRESSOR FOR JET PROPELLING APPARATUS
Lewis Sherman, Horseheads, N. Y.
Application March 9, 1945, Serial No. 581,841
1 Claim. (Cl. 230—122)

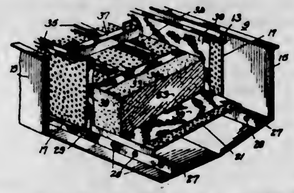


An air compressor for a jet propulsion engine or the like, comprising an elongated cylindrical tube having its front end open, the tube being formed at its rear end to provide a pair only of diametrically oppositely disposed elongated rearwardly tapering tubular extensions, the rear ends of the extensions being open, the extensions forming longitudinally rearwardly diverging passages leading from the cylindrical tube, a longitudinally extending shaft rotatably mounted within the cylindrical tube near the longitudinal center of the tube and forwardly of the rear tapered extensions, the shaft being arranged substantially at the axial center of the cylindrical tube, the cylindrical tube projecting a substantial distance longitudinally forwardly of the forward end of the shaft, a plurality of longitudinally spaced radial blades fixedly mounted upon the shaft for rotation therewith, and mechanical means operatively connected with the shaft for rotating the same.

2,494,636
EMMENTHALER CHEESE
James Bryan Stine, Chicago, Ill., assignor to Kraft Foods Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 15, 1946, Serial No. 677,083
4 Claims. (Cl. 99—116)

1. The improvement in the art of making a body of natural cheese of the Swiss type which comprises applying a coat of extensible, flexible, fluid-proof sealing material to the exterior surface of the uncured body to seal the surface of said body prior to eye development in a warm room, and curing the sealed body in the warm room while confining the body under controlled pressure within an expandable mold, said mold expanding during the curing operation under the internal pressure generated within said body by the curing process.

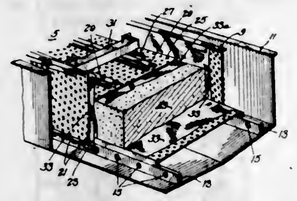
2,494,637
CHEESE MANUFACTURE
James Bryan Stine, Chicago, Ill., assignor to Kraft Foods Company, Chicago, Ill., a corporation of Delaware
Application March 5, 1947, Serial No. 732,515
1 Claim. (Cl. 99—116)



An improvement in that part of the Emmenthaler cheese process which follows the steps of setting and cutting the curd and heating and stirring the mixture of curd and whey in a vat, which comprises the steps of (1) discharging the heated mixture from the vat while maintaining the curd submerged in whey, (2) confining and applying mechanical pressure to the discharged curd to form the curd into a body of the desired shape while the discharged curd is submerged in the whey, (3) draining the whey from the formed body of curd, (4) maintaining the formed body of curd in a quiescent state until it becomes firmly knit, and (5) curing the knitted curd.

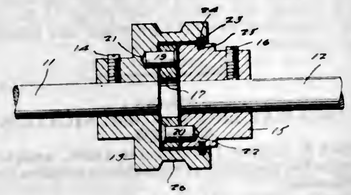
2,494,638
MANUFACTURE OF AMERICAN TYPE CHEESE
James Bryan Stine, Chicago, Ill., assignor to Kraft Foods Company, Chicago, Ill., a corporation of Delaware
Application March 14, 1947, Serial No. 734,733
3 Claims. (Cl. 99—116)

1. The process of manufacturing cheese having the characteristics of American type cheese which comprises setting and cutting the curd; then cooking the cut curd; then draining off a portion of the whey, sufficient whey being retained to maintain a fluid mixture; then adding salt to the resulting fluid mixture of the curd and remaining



whey; then raising the temperature of the salted mixture; then immediately separating the curd from the remaining whey; then applying pressure to the curd to form a block of curd; and finally curing the block of curd.

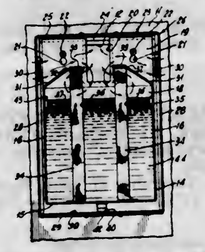
2,494,639
COUPLING
Paul R. Yates, Salt Lake City, Utah
Application January 11, 1946, Serial No. 640,521
4 Claims. (Cl. 287—130)



1. A coupling for connecting a pair of aligned shaft sections comprising a male member and a female member, said female member being formed with an axial bore receiving and permitting limited sidewise movement of said mail member relative to said female member, means for securing said members on the related shaft sections against relative movement thereon, a spider comprising an annulus positioned in said axial bore between the axially inward end of said male member and the adjacent end of said bore, said adjacent end of said bore and said axially inward end of said male member being formed with circumferentially spaced recesses, and opposite sides of said spider annulus having circumferentially spaced projections extending into corresponding ones of said recesses.

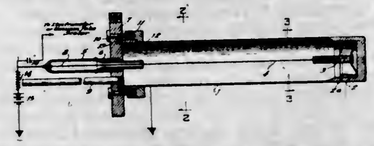
2,494,640
LIQUID DIFFUSER
Furman S. Abbott, Montclair, N. J., assignor to Airkem, Inc., New York, N. Y., a corporation of New York
Application November 2, 1946, Serial No. 707,402
5 Claims. (Cl. 261—104)

4. A liquid diffuser comprising, in combination, a container for a body of liquid having a substantially uniform lateral cross-section from the vicinity of the top thereof to the vicinity of the bottom thereof, float means in said container of a shape in plan substantially the same as the lateral cross-sectional shape of the mid-portion of said container but of slightly less lateral dimensions for free descent with the surface of such body of liquid as the quantity thereof becomes depleted by evaporation and for substantially blanketing the liquid surface, said float means having a plurality of holes vertically extending therethrough, means to direct currents of air across a top portion of said container, means to suspend a plurality of spaced-apart strips of wicking in said container in relatively fixed position, and a plurality of spaced-apart



strips of wicking supported on said suspending means and passing through the holes in the float means while permitting free descent of the latter, said wicking strips extending down toward the container bottom, the portion of said wicking strips above said float means being accessible to the air currents for transfer to the latter of vapors from the liquid as it saturates the wicking whereby as said float means descends with depletion of liquid additional fresh portions of the wicking strips are exposed above said float means.

2,494,641
RADIATION COUNTER
Herbert L. Anderson, Hartford, Conn., and Philip G. Koontz, Fort Collins, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application April 12, 1945. Serial No. 588,053
16 Claims. (Cl. 250—27.5)

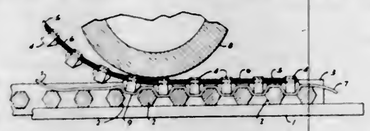


1. A device for indicating the intensity of beta rays, comprising a cathode in the form of a thin walled envelope of material of low absorption for beta rays, and of uniform outer thickness and uniform diameter throughout substantially its entire length, and an anode and ionizable medium contained in said envelope, wherein the cathode is a unitary cup-shaped member having a thickened wall portion adjacent to the closed end thereof.

2,494,642
CORRUGATING MOLD
John C. Case and Leonard S. Meyer, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 12, 1945, Serial No. 599,090
15 Claims. (Cl. 154—30)

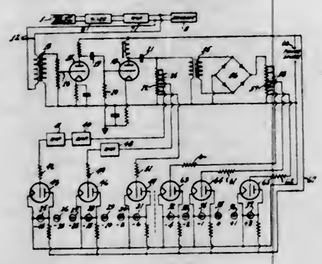
3. A mold for corrugating resin impregnated fabric comprising a grid of parallel rigidly supported hexagonal rods oriented to present a flat upper surface, a second flexible grid of paral-

lelly disposed, resiliently spaced hexagonal rods oriented to present a flat surface, the rods of each



being spaced so that material being molded will conform to three sides of each rod.

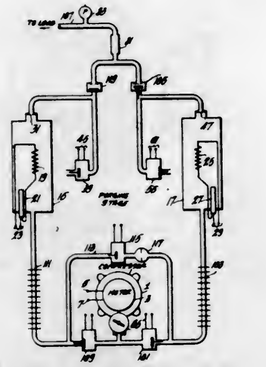
2,494,643
VOLUME INDICATOR SYSTEM
John F. Clark, III, Burbank, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application November 21, 1946, Serial No. 711,416
4 Claims. (Cl. 177—311)



1. A volume indicator having a varying sensitivity over a predetermined level range to be indicated comprising an input circuit, a voltage divider connected in said input circuit, a plurality of sliders associated with said divider, a plurality of neon tubes connected to said sliders and adapted to be energized according to the level of an alternating current signal at said divider, said signal being directly impressed on said tubes after a predetermined amplification, a full-wave rectifier connected across said divider, a second divider in the output of said rectifier, a second plurality of neon tubes connected across different portions of said second divider, said second plurality of tubes having direct current impressed thereon in accordance with the highest level values of said signal, and an isolating element connected between said full-wave rectifier and said first mentioned voltage divider.

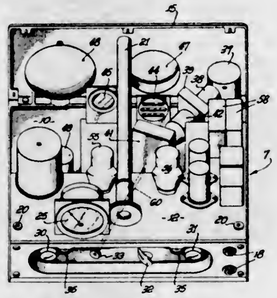
2,494,644
GAS DEHYDRATION SYSTEM
Irving H. Clement, River Edge, N. J., assignor to Dielectric Products Company, Incorporated, a corporation of New Jersey
Application March 20, 1945, Serial No. 583,779
4 Claims. (Cl. 183—4.1)

1. The method of furnishing dehydrated gas under pressure for special purposes, such as for a co-axial radio-transmission line, through the medium of a pair of dehydrating cells connected to the line and which cells contain an adsorbent material, the cells also being connected to a compressor of a suitable gas such as air, which consists in reactivating one of said cells while the other is delivering dehydrated gas to the load, said reactivation comprising the following steps, first closing off the cell from the source of compressed gas, then heating the adsorbent material inside the cell for a predetermined time to drive off under its own pressure the accumulated moisture therein, then purging the cell by forcing



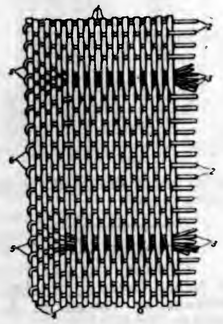
a suitable gas therethrough for a very short interval of time, then shutting off the gas and heat and allowing the cell to cool so as to be ready to be connected to said line while the other cell is reactivated.

2,494,645
TWO-WAY LIGHT COMMUNICATION SYSTEM
Milford E. Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application September 15, 1944, Serial No. 554,246
4 Claims. (Cl. 250—7)



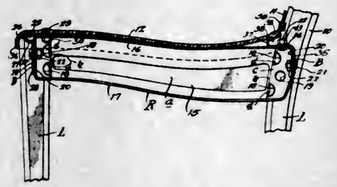
1. A two-way light beam communication unit comprising a box housing, a pair of lenses mounted on an extended front wall of said housing, a source of light, a galvanometer, a photoelectric cell, and an amplifier mounted on the upper side of said housing, a volume control for said amplifier and a lamp energizing control mounted on the rear wall of said housing, sighting means for said unit, and a cover for enclosing said amplifier, said light source, said galvanometer, said photoelectric cell, and said sighting means.

2,494,646
WOVEN FABRIC
Harry Crawshaw, London, England, assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application July 27, 1945, Serial No. 607,301
In Great Britain August 2, 1944
7 Claims. (Cl. 139—420)



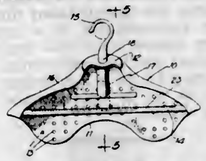
1. A belting fabric comprising single wefts and heavy and closely spaced warp yarns woven together, and having at short intervals along the length of the fabric and extending at least across the whole width of the fabric between the selvedge bands thereof, grouped wefts, inserted in one shed, of the yarn employed as the single wefts elsewhere in the fabric.

2,494,647
CHAIR
Clarence L. Dewey, Elkhart, Ind.
Application September 14, 1945, Serial No. 616,165
3 Claims. (Cl. 155—194)



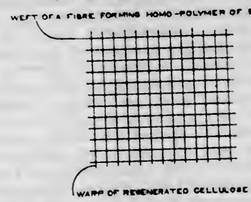
1. A metal chair frame having two pair of angular front and rear legs, a pair of channel rails located at opposite sides of the chair frame and having inwardly facing channels and each inset at each end to provide an angle seat with which two faces of a leg abut, means forming an inseparable connection between each rail angle seat and two faces of the abutting leg, a pair of transverse angle bars, one front and one rear, each extending across the chair frame and composed of a horizontal flange in engagement with the top flange of each channel rail and a vertical flange in engagement with the vertical web of each channel rail, and means extending through the engaging top flanges and other means extending through the engaging vertical flange and webs forming two sets of detachable connections between the side bars and the transverse rails at points adjacent their ends whereby to interconnect all four legs into a rigid unitary frame structure.

2,494,648
COAT AND TROUSER HANGER
Jack M. Dinken, New York, N. Y.
Application September 20, 1945, Serial No. 617,472
6 Claims. (Cl. 223—91)



1. A garment hanger having a transverse garment supporting member, a movable clamping member adjacent the supporting member to cooperate with the supporting member to retain the garment on the supporting member, the hanger carrying a part on which said clamping member is mounted, and detent means on said part to hold the clamping member in a clamping position or in an unclamping position with respect to said supporting member, said clamping member having slidable engagement with said part to hold the garment or release same.

2,494,649
METHOD OF TIRE BUILDING AND MATERIAL USED THEREIN
Henry Dreyfus, deceased, late of London, England, by Claude Bonard, administrator, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application October 3, 1945, Serial No. 620,184
In Great Britain July 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 24, 1964
2 Claims. (Cl. 154—14)



1. A tire fabric for pneumatic tires, said fabric having a weft composed of a fibre-forming homopolymer of ethylene and a warp of continuous filament yarns of regenerated cellulose having a tenacity of at least 2 grams per denier.

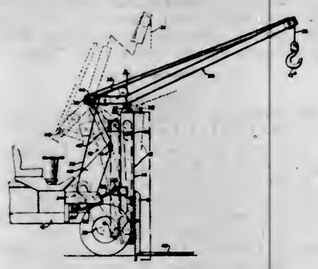
2. Process for the manufacture of pneumatic tires, wherein the tire carcass is built up of layers comprising a tire fabric coated with a vulcanizable natural rubber mix, said tire fabric having a weft of a fibre-forming homopolymer of ethylene and a warp of continuous filament yarns of regenerated cellulose having a tenacity of at least 2 grams per denier.

2,494,650
PRODUCTION OF N-(HYDROXY-ARYL) ASPARTIC ACID DIESTERS
Lawrence H. Flett, Scarsdale, and Leon W. Seigle, Bronxville, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 11, 1945, Serial No. 572,432
9 Claims. (Cl. 260—471)

1. In the production of an N-(p-hydroxy-aryl)

aspartic acid diester by condensation of an unsaturated diester selected from the group consisting of maleic and fumaric diesters with a mononuclear aminophenol, the step that comprises bringing about such condensation by interaction between the unsaturated diester and the mononuclear aminophenol at a temperature of at least room temperature but under 150° C., in a liquid reaction medium containing as active ingredient at least 5% of a 1–5 carbon alkanol that is soluble at 25° C. in water to the extent of at least 0.5% by weight.

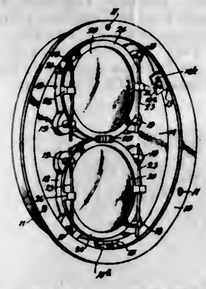
2,494,651
LOAD HANDLING APPARATUS FOR INDUSTRIAL TRUCKS
Francis K. Flynn, New York, N. Y., assignor to Sflent Hoist & Crane Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 13, 1946, Serial No. 669,254
6 Claims. (Cl. 214—65)



1. In load-handling apparatus comprising a lift truck provided with a vertical tiering frame mounted for pivotal movement about a horizontal axis, a crane-boom mounted on said tiering frame for pivotal movement thereon relatively thereto about a horizontal axis parallel to said first mentioned axis, and means connected to said frame for moving the same about said pivotal axis thereof; means pivotally connected to a stationary part of said truck and pivotally connected to said boom rearwardly of its said pivotal axis for imparting pivotal movement to said boom when said frame is pivotally moved by said frame-moving means, said means being detachable from said stationary part of the truck and attachable to said frame for preventing pivotal movement of the boom on said frame.

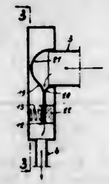
2,494,652
LOCOMOTIVE HEADLIGHT ASSEMBLY
Albert E. Ganzert, Chicago, Ill., assignor to Jeremiah D. Kennelly, Oak Park, Ill.
Application May 27, 1949, Serial No. 95,798
3 Claims. (Cl. 240—41)

1. In a locomotive headlight assembly, a master mounting ring provided with means for attaching the same to a locomotive, said ring having also a stud on its rear side modified to receive a hinge and another stud modified to function as a latch member, a support frame having a pair of receptacles therein for receiving sealed-beam lights and being hinged to the master ring so as to permit its being swung to the rear thereof, finger-operable means co-operating with the latch member releasably to secure the frame in position coaxial with the master link, and covers for the light receptacles hinged together, each of said covers being provided with locking means for releasably securing said cover to the frame independently of the other cover, the rims of said



light receptacles being modified for co-operation with said locking means.

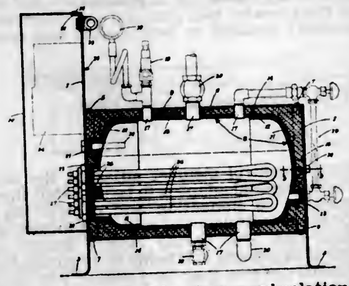
2,494,653
CHECK VALVE
Robert René Louis Geffroy, Neuilly-sur-Seine, France, assignor to Volcan S. A., Levallois (Seine), France
Application August 7, 1945, Serial No. 609,371
In France March 24, 1945
1 Claim. (Cl. 251—122)



A check valve for use in low pressure gas pipings, comprising means defining a check valve chamber having upstream and downstream pipe connections, a flexible hose section extending from the upstream pipe connection into said chamber, means for resiliently urging one side of said hose section into engagement with the other at a point adjacent the end thereof and in substantially spaced relation to said upstream pipe connection, thereby forming a valve control of fluid flow through said hose section, said hose section intermediate its point of engagement with said resiliently urging means and said upstream pipe connection being subjected on its outside to the gas pressure prevailing on the downstream side of said valve and on its inside to the gas pressure prevailing on the upstream side of said valve, and said resiliently urging means being responsive to slight changes in the pressure difference between the gas present at the upstream and downstream sides of said valve to open and close said valve.

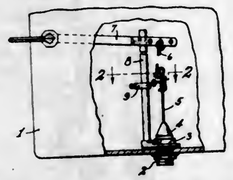
2,494,654
BOILER
Edwin A. Glynn, Lodi Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application September 7, 1948, Serial No. 48,072
11 Claims. (Cl. 219—39)

1. A unitary boiler comprising a pair of upstanding end plates disposed in facing, spaced-apart relation, annular supporting flanges on the end plates projecting toward each other in alinement, a tubular jacket extending between the end plates, the annular supporting flanges and adjacent ends of the jacket telescoping in close fitting relation, means securing the same to-



gether, a water chamber in spaced relation within the enclosure formed by the end plates and jacket, and insulation between the chamber and said enclosure.

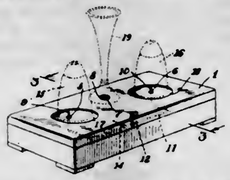
2,494,655
ADJUSTABLE GUIDE DEVICE FOR FLUSH TANK BALL VALVES
Milton R. Green, Norwich, Conn.
Application February 16, 1949, Serial No. 76,777
1 Claim. (Cl. 4—57)



A tank ball guide device adapted for mounting on the overflow pipe of a flush tank valve the latter being opened and closed by a tank ball having a lift wire for vertically raising and lowering the ball adjacent said pipe, said device comprising, a collar having an opening for slidable and rotative adjustment of the collar on said overflow pipe, said opening having two angular converging sides with a clamp screw threaded in the collar wall opposite said converging sides and projecting into the opening in a direction toward said point of convergence, a horizontally disposed arm pivotally mounted at its inner end on the periphery of the collar for horizontal swinging movement, said arm at its outer end having a reversely bent portion thereof provided with vertically aligned guide openings to receive said lift wire for vertical guided movement of said tank ball.

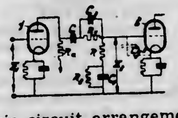
2,494,656
MULTICONTROL FOR MECHANICAL MUSICAL INSTRUMENTS OR THE LIKE
Frederick M. Grunicke, Maspeth, and Johannes H. Rauschenbach, New York, N. Y.
Application February 18, 1947, Serial No. 729,390
6 Claims. (Cl. 74—479)

1. In a multi-control device, a mechanical moving mechanism comprising a moving member, at least one floating member completely disconnected from said moving member and adapted to be moved at least indirectly into and out of the path of said moving member, at least two end portions extending from the floating member, each of said end portions being adapted to assume one position in which said floating member is out of the path of said moving member, thereby permitting operation of the moving mechanism, and another position in which said



floating member is in the path of said moving member, thereby stopping the moving mechanism, and an additional member shifting said floating member from one to the other of the said positions.

2,494,657
AMPLIFIER COUPLING NETWORK
Johan Haantjes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 11, 1947, Serial No. 727,852
In the Netherlands March 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 11, 1964
2 Claims. (Cl. 179—171)



2. An electric circuit arrangement comprising a first thermionic discharge tube having a cathode, grid and anode, a second thermionic discharge tube having a cathode, grid and anode, said second thermionic discharge tube having further a capacity between the grid and cathode having a value C_{gk}, and means to couple the anode-cathode circuit of said first thermionic discharge tube to the grid-cathode circuit of said second thermionic discharge tube, said latter means comprising a first capacitive element having a value C and a first resistive element having a value R_1 connected in series between the anode-cathode circuit of said first thermionic discharge tube and the grid-cathode circuit of said second thermionic discharge tube, a second capacitive element having a value C_1 and a second resistive element having a value R connected in series in the grid-cathode circuit of said second thermionic discharge tube, a third capacitive element having a value C_2 in parallel with said first resistive element, and the said circuit elements relating in magnitude according to the equation:

$$\frac{C}{C_1} = \frac{R}{R_1} = \frac{C_2}{C_{gk}}$$

2,494,658
BLADE MOUNTING
Axel L. Highberg, West Hartford, and Philip P. Newcomb, Manchester, Conn., and Carl R. Soderberg, Weston, Mass., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 10, 1946, Serial No. 668,792
5 Claims. (Cl. 253—39)

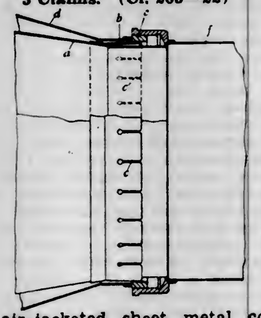
1. A blade mounting including a hub having opposed hub elements defining between them a

peripheral substantially T-shaped groove, a blade having a T-shaped root fitting in said groove, and having spaced flanges extending inwardly, said flanges being spaced apart a distance greater



than the thickness of the hub adjacent the flanges, and plates fastened to opposite sides of the hub adjacent its periphery and extending beyond the periphery of the hub to engage laterally with the inner side surfaces of the flanges.

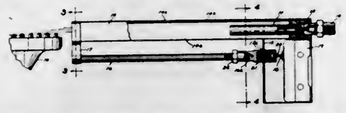
2,494,659
PIPE JOINT
Alfred Huyton, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application February 6, 1946, Serial No. 645,889
In Great Britain December 22, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1964
3 Claims. (Cl. 285—22)



1. An air-jacketed sheet metal combustion chamber for a prime mover of the kind specified, having between adjacent ends of inner and outer parts a sheet metal expansion joint which is radially resilient to accommodate expansion of the inner part under the action of heat, and which is separate from one of the said parts to accommodate relative longitudinal movements thereof.

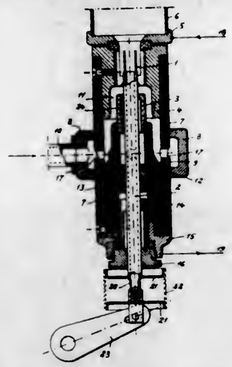
2,494,660
THERMOSTATICALLY CONTROLLED SAFETY PILOT BURNER AND SWITCH DEVICE FOR BURNER SYSTEMS
Leo Kathe, Cleveland, Ohio
Application November 29, 1946, Serial No. 713,184
6 Claims. (Cl. 158—117.1)

1. Safety pilot construction comprising an elongated generally horizontal hood having fixed and free ends, pilot means communicating with one end thereof for heating said hood, an elongated operating arm generally parallel to said hood and having one end fixed to the free end of said hood, said arm being relatively unaffected by the heat of said pilot means, said arm and said hood being substantially straight in both heated and cooled



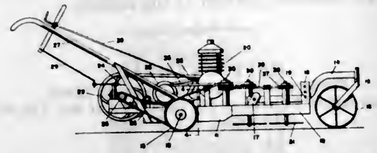
condition, a control member adjacent the other end of said arm and adapted to be operated thereby responsive to elongation and contraction of said hood under influence of said pilot means, and said hood and arm having closely similar coefficients of expansion and being of approximately equal length whereby they vary similarly in length responsive to ambient temperatures.

2,494,661
GAS BLAST CIRCUIT BREAKER
André Latour, Grenoble, France
Application January 23, 1947, Serial No. 723,724
In France May 5, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 5, 1959
6 Claims. (Cl. 200—148)



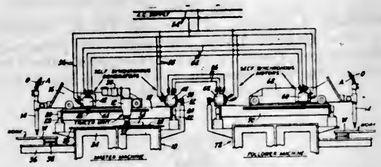
1. In a fluid blast electric circuit breaker, including a casing having apertures to admit to its interior fluids from a blast pressure source, in combination, a hollow fixed electrode in said casing, an elongated movable electrode cooperating with said fixed electrode and being hollow and open at the contact engagement end and having outlets near the other end disposed at least in contact disengaging position on the exterior of said casing, said fixed electrode having near one side a breaking plane defining the location of arc-forming disengagement from said movable electrode, means secured in said casing and electrically insulated from either electrode and closely surrounding a portion of said movable electrode but closely spaced therefrom forming a chamber therewith for receiving static fluid and being fluid-impermeable at one end, said means arranged to direct the flow of fluid to said breaking plane, and after disengagement to direct said fluid in opposite directions to the interiors of said electrodes for exhaust, whereby the exterior of said movable electrode will be shielded from high temperature contact.

2,494,662
POWER LAWN MOWER
Henning Lind, Osage City, Kans.
Application February 4, 1946, Serial No. 645,333
2 Claims. (Cl. 56—25.4)



1. A machine of the kind described, comprising a flat horizontally disposed platform body, traction wheels carried by the body aft thereof, a vertically-swingable tongue fore of said body, a front steering wheel swivelled in said tongue, a power motor supported on the body, rotary spindles perpendicularly arranged on the body near opposite side edges and extended below such body, lateral sweep cutting blades at the lower ends of the spindles, and operating in close clearing relation to each other aft of the wheel, a clutch-released connection whereby said traction wheels may be intermittently driven from said power motor, and a second clutch-released connection whereby said spindles and said lateral sweep cutting blades may be intermittently operated.

2,494,663
SELF-SYNCHRONOUS CUTTING MACHINE
Roscoe R. Lobosco, Elizabeth, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application October 27, 1944, Serial No. 560,690
3 Claims. (Cl. 266—23)



1. A tracer, a self-synchronous generator mechanically connected thereto, a follower tool, a self-synchronous motor mechanically connected to said tool, means electrically connecting said self-synchronous motor follower tool and said tracer self-synchronous generator to effect movements of said tool according to the movements of said tracer, switch means whereby said follower tool may be disconnected and reconnected from and to said tracer self-synchronous generator and said tool may be moved independently of said tracer while disconnected therefrom and then reconnected to said tracer in a new position of said tool, and an electric motor means for moving the tool while disconnected from said tracer, said last mentioned motor means being mechanically and electrically connected with said self-synchronous motor.

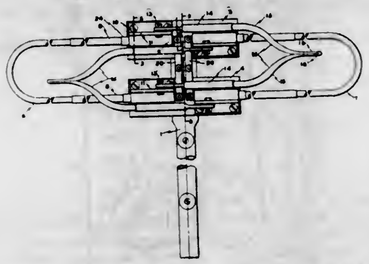
2,494,664
X-RAY PROTECTIVE APRON
Morris Lubow, Long Beach, N. Y., assignor to Wolf X-Ray Products, Inc., New York, N. Y.
Application January 13, 1949, Serial No. 70,679
4 Claims. (Cl. 250—108)

1. An X-ray protective apron comprising a flexible, plastic sheet loaded with heavy material opaque to X-rays, said sheet comprising a frontal body covering portion, a pair of shoulder covering portions of the same material as said body covering portion extending from laterally spaced upper ends of said body covering portion and a pair of wing portions extending outwardly and upwardly from opposite side edges of said body covering portion, the terminal end of each wing portion being connected to the free end of one of the



shoulder covering portions whereby when said apron is being worn, said wing portions will be disposed flat in contact with portions of the back of the wearer, thereby curving said frontal body covering portion and said shoulder covering portions into conformation with the body of the wearer and to retain said body and shoulder covering portions in body conforming condition in the absence of supplemental securing means.

2,494,665
DIPOLE ANTENNA CONSTRUCTION
James R. Marshall, Englewood, N. J., assignor to Dielectric Products Company, Inc., Jersey City, N. J.
Application August 9, 1946, Serial No. 689,420
10 Claims. (Cl. 250—33)

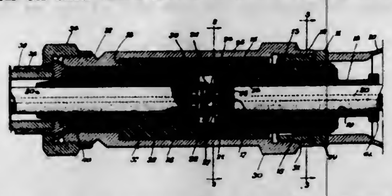


10. A dipole antenna construction comprising a pair of U-shaped tubular electrical conducting members the arms of which are in sections that are telescopically adjustable with respect to each other, the said arms having their ends carried in reinforcing means on insulators in adjacent relationship, the two members being diametrically oppositely positioned but in the same plane, connectors for at least electrically connecting the ends of U members, support means for said insulators and further means carried by said support means for making electrical connections to the center of said connectors.

2,494,666
IGNITION SHIELD DISCONNECT
Edward Medvetz, Carteret, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application April 24, 1946, Serial No. 664,676
1 Claim. (Cl. 174—91)

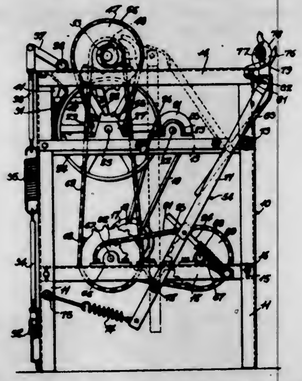
A radio shielding electric disconnect comprising a flexible dielectric sleeve to receive an in-

sulated conductor, a shoulder and spaced surrounding skirt formed on said sleeve, a second opposed dielectric sleeve to receive a second insulated conductor, means intermediate of the said sleeves to establish electrical connection between the conductors, a third dielectric sleeve to overlie both first mentioned sleeves, a reduced extension on said third sleeve to enter the space be-



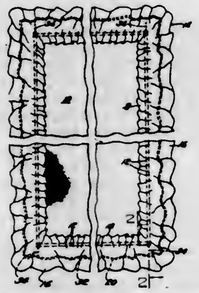
tween the first mentioned sleeve and its surrounding skirt, a metal coupling member secured around said skirt, a metal sleeve to surround the major portion of the aforementioned dielectric sleeves and to engage the coupling member to form a liquid tight seal, and a second coupling member on the opposite end of the metal sleeve to force the flexible parts together to insure a liquid tight seal.

2,494,667
FESTOONING MACHINE
Ralph N. Moore, Manly, Iowa
Application July 15, 1947, Serial No. 761,055
5 Claims. (Cl. 57—4)



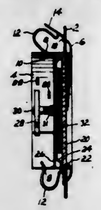
1. A festooning machine comprising a frame, a wire holder and spindle journalled on the frame and comprising a central tube for containing a central wire, means externally of the central tube for containing a winding wire which is connected at one end to said central wire, a bough receiving portion on the spindle, a feed device for delivering boughs to the bough receiving portion on the spindle, drive mechanism for driving the spindle and the bough feed mechanism whereby upon a given number of turns of the spindle the boughs will be delivered to the bough receiving portion, and the winding wire will be wound upon the boughs to bind said boughs to said central wire, said bough feeding device comprising an arm pivoted on the frame and having a cradle connected to the upper end of the arm for receiving the boughs and adapted to be swung toward the bough receiving portion of the spindle, said drive mechanism including a crank and a link extending between the end of the crank and the arm whereby to move the arm periodically from the bough receiving position to the bough receiving portion of the spindle.

2,494,668
RUFFLE CURTAIN
Frederick S. Nichols, Melrose, Mass.
Application February 15, 1947, Serial No. 728,895
2 Claims. (Cl. 2—278)



1. A curtain comprising, in combination, a body portion, a ruffle skirt secured to said body portion, a reinforcing ruffle band of pleated material interengaged with pleats in said ruffle skirt, and slits in said reinforcing band to form a curtain rod sheath between said band and said skirt.

2,494,669
FASTENER
Frederick A. Nodine, Terryville, Conn., assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn., a corporation of Connecticut
Application November 30, 1945, Serial No. 632,012
6 Claims. (Cl. 248—27)



4. A fastener comprising a generally flat base portion having arms diverging therefrom, a U-shaped spring portion bent up from the base portion, a finger projecting from the spring portion at a point outside of a line connecting the ends of the diverging arms, and the ends of the arms having rounded tips.

2,494,670
ELECTRONIC DISCHARGE DEVICE
Jan A. Rajchman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1946, Serial No. 665,031
24 Claims. (Cl. 250—27.5)

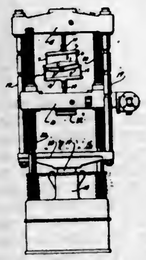
4. An electron discharge device comprising a source of electrons, a target, and a grid located between said source and said target, said grid

comprising a plurality of electrically insulated wires relatively angularly disposed with respect to each other which define windows between pairs of adjacent wires, and conductors for applying bias-



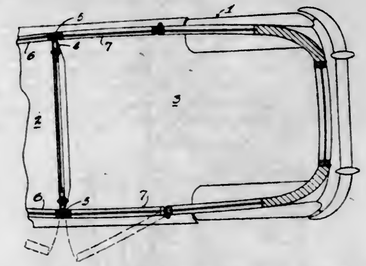
ing potentials to said wires to open a selected one and close said windows to the remaining of said electrons, whereby said electrons impinge on selected areas of said target.

2,494,671
TORSION PRODUCING APPARATUS
Herman Schaevitz, Collingswood, N. J., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application September 4, 1945, Serial No. 614,237
3 Claims. (Cl. 73—99)



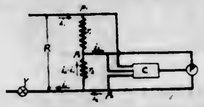
1. Apparatus for subjecting a member to torsion comprising, in combination, a plurality of means each having portions extending radially from said member on opposite sides thereof and connected to said member at points spaced along the length thereof, rectilinearly movable means for applying equalized forces to oppositely extending portions of said radial means at only two points located diagonally across the torsional axis of said member and radially spaced therefrom, and means for equalizing and applying reaction forces to the other oppositely extending portions of said radial means at only two points which lie in a diagonal direction across said other diagonal, whereby said forces subject the member to torsion while allowing it to adjust its bodily position to prevent bending thereof.

2,494,672
SAFETY LATCH MEANS FOR AUTOMOBILES
Earl L. Schofield, Rockford, Ill., assignor to Superior Coach Corporation, Lima, Ohio, a corporation of Ohio
Application April 25, 1947, Serial No. 743,782
10 Claims. (Cl. 296—16)



1. In a vehicle, a side door, a cross partition, a side pillar at an end of said partition against which the door closes and having inner and side openings therein, a shaft supported by said partition and projected into said pillar through the inner opening, a latch fixed to the shaft within the pillar and operable through the side opening therein to have locking engagement with the door or to release it, and control means on the shaft operable from both sides of said partition to impart door-engaging or releasing movements to the latch through said shaft.

2,494,673
FLUID METERING OR CONTROL SYSTEM
George A. Smith, Philadelphia, Pa.
Application October 9, 1945, Serial No. 621,318
13 Claims. (Cl. 73—194)

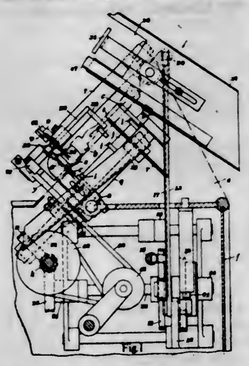


1. In combination, means providing a pair of fluid resistances in series between inflow and outflow lines, pumping means producing fluid recirculation through one of said resistances, and means responsive to pressure drop across at least one of said resistances for controlling flow through at least one of said resistances.

2,494,674
GLASS SEVERING MECHANISM
Arthur Ronald Smith, Birmingham, and George Arthur Lee and Cyril John Hopkins, Cuffley, England
Application February 9, 1948, Serial No. 7,026
In Great Britain December 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 14, 1964
8 Claims. (Cl. 49—48)

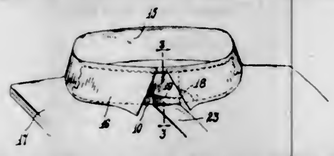
1. Mechanism for severing waste portions from hollow glass articles, comprising in combination a horizontally arranged stationary track on which the articles can be supported, means for intermittently moving the articles along said track, a rotary spindle at one side of said track, a scoring wheel mounted on said spindle and arranged so that the articles on said track can in turn occupy a position in contact with said wheel, means for

temporarily pressing the article occupying said position against said wheel so that the article is scored by said wheel, means for rotating the article in contact with said wheel so that the scoring effected by said wheel extends around the article, a device for lifting the scored articles in turn



off said track and transferring the lifted articles to a discharge position, means for actuating said device, and an anvil against which each article is struck whilst being moved by said device, and which serves to sever the article at the scored position.

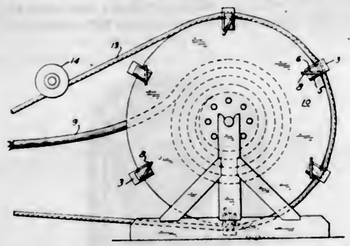
2,494,675
COLLAR SUPPORT
Alexander S. Steinman, Chicago, Ill., assignor of one-half to Nathan Steinman, Chicago, Ill.
Application July 3, 1947, Serial No. 758,766
3 Claims. (Cl. 223—83)



2. Collar bracing and stiffening means for collar-attached shirts, comprising an elongated strip of flexible material for insertion between the inner and outer folds of the collar, the material of said strip being cut adjacent its lower edge, which cut merges with the lower edge to form a tongue insertable beneath the button-hole strip of the shirt, and a hook-like projection on the free end of the tongue engageable with an edge of the button strip of said shirt to resist withdrawal.

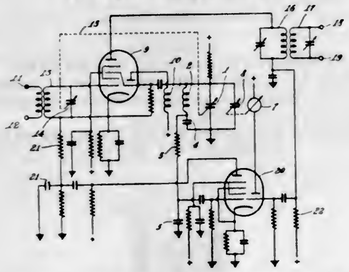
2,494,676
CLAMP GUIDE
John K. van der Schuur, Oakland, Calif.
Application November 26, 1945, Serial No. 630,866
3 Claims. (Cl. 242—117)

1. In combination with a cable reel having a flat circular end; a belt guide having a relatively thin stationary jaw bearing against the inner face of said reel end and projecting beyond said periphery and having a flat jaw guide bearing against said periphery and fixed intermediate the length of said stationary jaw and having its outer end extending angularly and substantially parallel with the plane of said stationary jaw; a movable jaw extending above and below said periphery and having a slot slidable on said jaw guide; and a spindle threaded through the outer



end of said jaw guide and bearing against the outer face of said movable jaw.

2,494,677
RADIO RECEIVER WITH CONDENSER TUNING
Carel Jan van Loon and Willem Beukema, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 1, 1947, Serial No. 731,806
In the Netherlands November 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 13, 1962
9 Claims. (Cl. 250—20)



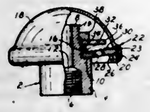
1. A radio receiver having at least one variable capacitive tuning element with a microphonic characteristic, comprising means to apply a direct current polarizing voltage to the variable capacitive tuning element to derive parasitic voltages from the microphonic characteristic thereof, means to amplify the said parasitic voltages, a variable impedance element, transducer means to vary the said variable impedance element in accordance with the said amplified parasitic voltages, and means to couple the said variable impedance element to the variable capacitive tuning element.

2,494,678
PROCESS OF SEPARATING PROGESTERONE FROM CHOLESTEROL
Léon Velluz and Geneviève Rousseau, Paris, France, assignors to Les Laboratoires Francais de Chimiotherapie, Paris, France, a French company
No Drawing. Application October 29, 1946, Serial No. 706,510. In France November 15, 1945
1 Claim. (Cl. 260—397.3)

A process of separating progesterone from mixtures of ketosteroids, which comprises condensing progesterone with lutidine-2,6-dicarbonic-3,5-dihydrazide, separating the insoluble

hydrazone thus obtained, and regenerating progesterone by decomposition by means of benzaldehyde.

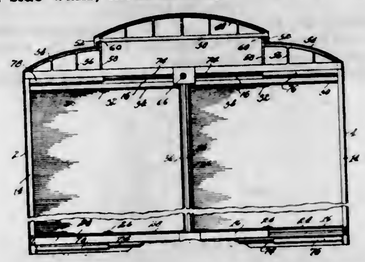
2,494,679
VENT CAP
Frank W. Ward, Jr., Memphis, Tenn.
Application December 13, 1948, Serial No. 64,947
1 Claim. (Cl. 220—44)



A breather cap comprising a hollow center post having a lower portion of relatively large external diameter, an upper portion of relatively smaller external diameter, an upwardly facing seat connecting the upper end of said lower portion and the lower end of said upper portion, a set of threads on the exterior of the upper portion extending downwardly from the top end thereof, a substantially annular disk having a central opening surrounding the lower end of said upper portion, said disk having a radially inward substantially flat portion substantially co-extensive with and engaged against said seat and a radially outward substantially dish-shaped portion extending upwardly therefrom, said dish-shaped portion having an annular series of openings through the lower portion thereof, an annular screen substantially co-extensive with the upper surface of said disk and engaged flat-wise thereagainst so as to screen said openings, an annular spacer of substantially less external diameter than the flat portion of said disk engaged on the upper portion of said post and seated on top of the screen, an annular, substantially flat baffle engaged on the upper portion of said post and resting on said spacer, a nut engaged on the threads on the upper portion of said post whereby to clamp together said disk, screen, spacer, and baffle between said nut and said seat, a cap having an upper regularly curved concave-convex substantially dome-shaped portion enshrouding the upper portion of said post and the said baffle with its inner wall in spaced-relationship therewith, and a lower, outwardly-flared skirt portion having its inner wall seated on the outer rim of said screen so as to engage the same tightly against said disk, the free edge of said skirt portion being reversely curved inwardly and upwardly and engaged around and upwardly against the outer portion of said disk whereby to hold said dome on said disk and to form a drainage lip.

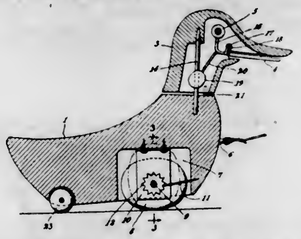
2,494,680
COLLAPSIBLE PORTABLE HOUSE
Calvert H. Wiley, Tulare, Calif.
Application December 3, 1946, Serial No. 713,614
3 Claims. (Cl. 20—2)

1. In a collapsible portable house having continuous rigid side walls, the combination which comprises spaced extensible floor and ceiling joists including intermediate and front and rear side hollow sliding sections of rectangular shape in cross section and including rollers positioned in the said front and rear side sections and journaled through axles in the adjoining sides of the said intermediate sections, said front and rear side sections having slots in the inner faces thereof in which the said axles are positioned, transversely disposed threaded shafts journaled in the house in fixed positions above the ceiling and below the floor, sleeves threaded on said threaded shafts with the outer ends thereof fixedly attached to the said side walls, outer floor sections secured in fixed relation to and carried by movable sections of the said floor joists and attached to the said side walls, inner folding floor sections hinged to the said outer floor sections, outer ceiling sections secured in fixed relation to and carried by movable sections of the said ceiling joists and connected to the said side walls, inner folding ceiling sections hinged to the said outer ceiling sections, outer end panels secured to the ends of the said side walls, inner folding end panels hinged



to the said outer end panels, a fixed centrally disposed continuous roof section spaced above the floor section and having continuous depending flanges with grooves in the inner surfaces extended downwardly from the opposite edges thereof, side roof sections mounted on movable sections of the said ceiling joists and extended inwardly and upwardly from the upper edges of the said side walls, said side roof sections having upwardly and outwardly extended flanges on the inner ends thereof that fit in the grooves of the depending flanges of the said centrally disposed roof section, and a fixed longitudinally disposed centrally positioned partition extended through the said house.

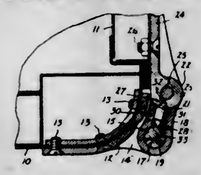
2,494,681
SOUNDING FIGURE WHEEL TOY
William Wisoff, Brooklyn, N. Y.
Application April 24, 1947, Serial No. 743,567
1 Claim. (Cl. 46—98)



A toy resembling a natural biped having a body with a cavity in the bottom, a transverse shaft in said cavity, oval shaped rollers secured thereto at different radial angles on said shaft, a flexible vibratory reed mounted at one end in said cavity, a toothed wheel fixed on the shaft with its teeth engaging a free portion of said reed, and members forming a hollow head and bill, a vertical post on which the head is supported to oscillate sidewise, the lower part of the bill being pivotally attached to the head, and elements forming eyeballs in said

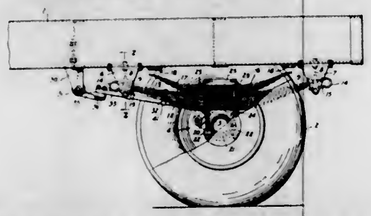
head supported by said part, the head having apertures in the sides with which said eyeballs move into and out of registry, and said part having a counterbalancing weight affixed thereto, the motion of said toy on said rollers over a surface producing a rocking motion of the toy, and thus effecting the oscillation of said head and the swinging of said weight to raise and lower said part of the bill and move said eyeballs in said head as aforesaid, the shaft at the same time turning said toothed wheel to cause said reed to give forth sound.

2,494,682
DOOR HINGE
Arthur W. Aspin, Butler, Pa., assignor to American Bantam Car Company, Butler, Pa., a corporation of Pennsylvania
Application September 28, 1945, Serial No. 619,159
4 Claims. (Cl. 16—163)



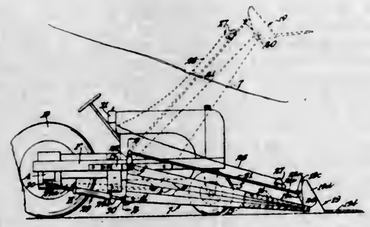
3. A hinge comprising a wall bracket having a fixed pintle provided with a recess in one side thereof, a link having a transverse bore to receive said pintle and a longitudinal bore opening to said transverse bore and adapted to register with said recess, a door plate connected to the outer end of said link to swing about an axis parallel to the axis of said pintle, said plate having a cylindrical knuckle portion overlying the outer end of said longitudinal bore and provided with a recess adapted to register with said longitudinal bore, and a latch pin slidable in said longitudinal bore, said latch pin being longer than said bore and having tapered ends alternately engageable in said recesses.

2,494,683
VEHICLE SPRING SUSPENSION
Arthur W. Aspin, Butler, Pa., assignor to American Bantam Car Company, Butler, Pa., a corporation of Pennsylvania
Application December 6, 1945, Serial No. 633,131
3 Claims. (Cl. 280—124)



1. A vehicle of the character described comprising a body, longitudinally spaced brackets attached to said body adjacent each side thereof, spring means including a leaf spring having its ends movably connected to the brackets at each side of the body and a bumper leaf spring resting on the top leaf of said first spring and normally out of engagement with said body, transversely alined bearing means attached to and clamping together the springs intermediate their ends, an axle rotatably mounted in said bearings, wheels rotatably mounted on the axle, brakes for the wheels attached to the axle, and torque cushioning stabilizer bars inwardly of said springs on each side of said body, each pivoted at one end to the body and rigidly attached at the other end to said axle, said bars being resilient and serving as torque cushioning springs, radius rods and stabilizers for said body.

2,494,684
LOADING AND GATHERING APPARATUS FOR TRACTORS
Charles L. Best, Watertown, Minn., assignor of one-half to Paul Ebling, Minneapolis, Minn.
Application July 29, 1946, Serial No. 686,862
3 Claims. (Cl. 214—140)



1. Material-gathering and loading apparatus for vehicles, having in combination a boom structure comprising a pair of interconnected substantially rigid boom arms disposed at opposite longitudinal sides of a vehicle and swingably connected at their inner ends with the vehicle chassis on a horizontal, transverse axis disposed well below the top of the vehicle chassis, the forward ends of the arms extending beyond the front end of said vehicle, a load carrier pivotally secured to the forward ends of said boom arms, power operated means for swinging said boom arms upwardly and means for maintaining said load carrier at a predetermined pitch during elevation, and for also constituting a latch for retaining said load carrier in load-holding position and for releasing the same to dump by gravity, said means comprising an elongated link extending generally in parallel relation to said boom arms and pivoted at its rear end to the vehicle chassis at an intermediate point in the link thereof, said link having a longitudinally slidable extension at the forward end thereof, said extension having its forward or outer end pivotally connected with the back of said load carrier at a point above the pivot of said load carrier, a spring carried by the main portion of said link for urging said slidable extension inwardly to normally swing said load carrier into material-gathering position, a retractable latch element mounted adjacent the forward end of the main portion of said link and a cooperating latch-engaging element connected with said slidable extension member.

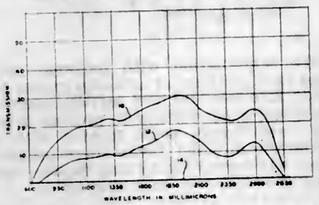
2,494,685
COMB
Lewis J. Biel, Newton Highlands, Mass.
Application March 14, 1946, Serial No. 654,252
2 Claims. (Cl. 132—76.4)

1. An article of manufacture comprising a bar-like portion having an elongated recess, the recess having side and end walls, a file embedded in said recess with the outer surface of the file arranged inwardly of said side and end walls of the recess, and said side walls being continuous between said end walls to provide a channel adapted



to guide the nail of a finger over the file in trimming said nail.

2,494,686
INFRARED LIGHT-POLARIZING MATERIAL AND METHOD OF MANUFACTURE
Robert P. Blake, Winchester, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 28, 1945, Serial No. 580,227
9 Claims. (Cl. 88—65)



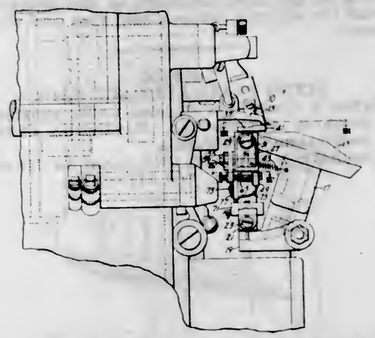
1. In a process of making light-polarizing material, the steps comprising treating a sheet of transparent plastic material comprising polyvinyl alcohol with a solution comprising iodine until a substantial amount of iodine approximating 35% by weight of the polyvinyl alcohol is incorporated with said sheet, stretching said sheet to orient the molecules thereof, and heating said sheet at a temperature higher than 400° F. but below the charring temperature of polyvinyl alcohol until said sheet shows strong dichroic absorption of infrared radiation.

7. A light-polarizing sheet for the infrared comprising a molecularly oriented linear polyhydroxy alkane selected from the group consisting of polyvinyl alcohol, polyvinyl acetal and polyvinyl ketal, said sheet having incorporated therein an oriented dichroic halogen complex and a polyvinylene complex, the halogen and polyvinylene complexes cooperating to form a sorption complex which is substantially opaque to visible radiation in the wavelength band below 600 mμ and being a substantially complete polarizer for radiation within the wavelength band from 600 to 2850 mμ.

2,494,687
OXIDATION OF MERCAPTANS IN THE PRESENCE OF C-NITROSO AROMATIC COMPOUNDS
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 15, 1947, Serial No. 786,313
20 Claims. (Cl. 196—29)

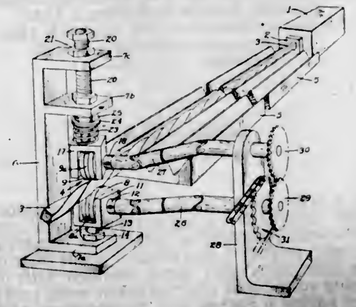
1. The method of oxidizing mercaptans to disulfides comprising, intimately contacting said mercaptans with oxygen in the presence of an alkali solution and a small amount of a C-nitroso compound selected from the group consisting of aromatic amines and phenols in which amino groups of the amines and hydroxyl groups of the phenols are ortho or para to other amino or hydroxyl groups in the ring.

2,494,688
WORK GUIDANCE ASSISTANCE FOR MANUALLY GUIDED MACHINE OPERATIONS
William Neil Bray, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 1, 1948, Serial No. 52,176
In Great Britain October 24, 1947
14 Claims. (Cl. 12—41)



1. In apparatus for operating upon the margin of a work piece, said apparatus having a tool designed to operate in a predetermined angular relation to the periphery of said work piece as said margin and said tool are progressively moved relative to each other, the angle of presentation of the periphery to the tool being under the manual control of an operator, means for assisting the operator to maintain the predetermined angular relation between periphery and tool by giving warning of a discrepancy therein comprising means for determining the angular relationship between the periphery as presented to the tool and said tool, and means responsive to the position of the determining means for providing a warning signal when such a discrepancy exists.

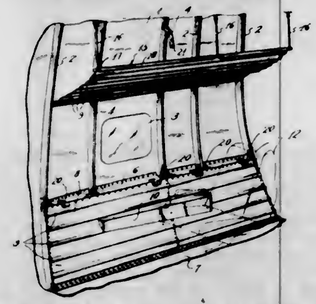
2,494,689
METHOD AND APPARATUS FOR PRODUCING TWISTED THERMOPLASTIC RESIN STRIPS
Robert W. Canfield, West Hartford, and Robert B. Woodward, South Coventry, Conn., assignors to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application February 25, 1947, Serial No. 730,836
14 Claims. (Cl. 18—12)



1. The method of producing a rod of thermoplastic material uniformly twisted to a predetermined pitch which comprises continuously feed-

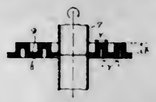
ing the rod from a first point through a second spaced point, placing a predetermined number of turns in the portion of said rod between said points, preventing rotation of the portion of the rod at one of said points while rotating the portion of the rod between said two points a number of turns corresponding to the number of turns in the portion of the rod between said points, said rotation of the rod occurring at a uniform speed in the time consumed by the travel of a point on said rod between said first and second points.

2,494,690
SCUFF PLATE LUGGAGE RACK
Walter J. Cerny, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application March 22, 1947, Serial No. 736,606
3 Claims. (Cl. 244—118)



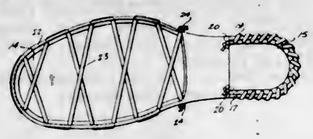
1. In a vehicle alternatively loaded with cargo and passengers, a side wall having windows therein, a plate hinged to said wall above a window and rotatable to cover and protect said window when cargo is carried, and means for maintaining said plate extending substantially horizontally above said window and spaced below the top of the vehicle to form a luggage rack and luggage space when passengers are carried.

2,494,691
ELECTRIC WAVE GUIDE
Edward Cecil Cork and Michael Bowman-Manifold, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application April 18, 1945, Serial No. 589,069
In Great Britain September 1, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1962
7 Claims. (Cl. 178—44)



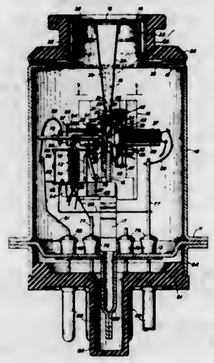
2. A wave guide in the form of a number of hollow conductive tubes arranged in a coaxial end-to-end relationship, said tubes being rotatable with respect to one another about their common axis, said tubes being provided with overlapping surfaces at their adjacent ends, said surfaces having a narrow gap therebetween, the extent of overlap of said surfaces being equal to an odd integral number of straight quarter wavelength portions, said straight portions being arranged to form a zig-zag passageway from the interior of said tubes to ambient space, to provide series connected sections of said gap having different characteristic impedances so as to cause repeated reflection of energy which tends to escape through said gap.

2,494,692
DETACHABLE ANTISLIP DEVICE FOR FOOTWEAR
Walter S. Craven, Kremmling, Colo.
Application May 14, 1948, Serial No. 26,984
2 Claims. (Cl. 36—59)



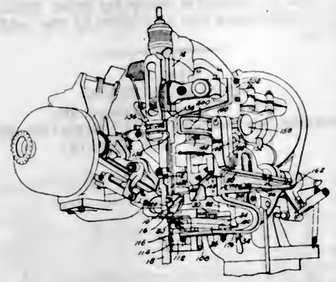
1. The combination with footwear including sole and heel portions, of anti-slip means for said footwear, said sole and heel portions each including marginal edges formed to provide depending flanges, said flanges being formed with spaced and laterally-directed holes therethrough, and said anti-slip means comprising flexible members adapted to be laced through said holes.

2,494,693
ELECTRON DISCHARGE DEVICE
Sture O. Ekstrand, Bergenfield, N. J., and Charles Maggs and Victor L. Ronci, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1946, Serial No. 718,170
16 Claims. (Cl. 250—27.5)



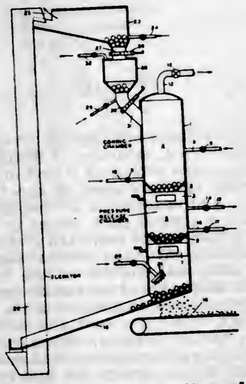
1. An electron discharge device comprising an enclosing vessel, a unitary assembly within said vessel, and a cooling block supporting said assembly from a side wall of said vessel, said assembly comprising a foundation member affixed to said block, means including a portion of said member defining a cavity resonator, electronic means for exciting said resonator supported from said foundation member and an electronic thermal tuner unit for tuning said resonator supported from said foundation member.

2,494,694
FASTENING INSERTING MACHINE
Harold Ernest Elliott and George Clifford Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 9, 1948, Serial No. 1,326
In Great Britain January 15, 1947
20 Claims. (Cl. 1—18)



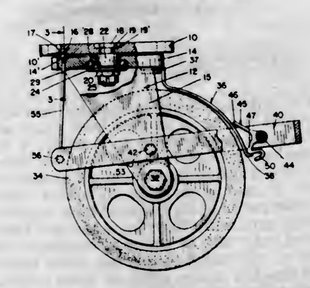
1. In a machine for progressively operating along the edges of work parts, including edge portions of pronounced linear curvature, a movable edge gage, an edge gage support, means tending to move the edge gage forward in the machine so as to maintain contact with the edge of a work part presented to the machine, and automatically operative means for angularly adjusting the edge gage support out of the position it occupies, upon variation of the linear configuration of the edge of the work part.

2,494,695
PYROLYTIC CONVERSION OF HYDROCARBONS WITH RECOVERY OF COKE
Frank R. Fisher, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 28, 1947, Serial No. 757,822
2 Claims. (Cl. 202—14)



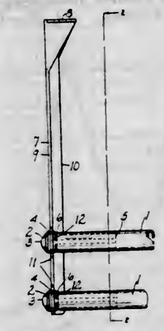
1. A process for the production of petroleum coke which comprises passing a hydrocarbon charge oil in contact with a bed of metal balls maintained at the coking temperature of the charge oil, and under a superatmospheric pressure of 100 to 500 pounds per square inch, until a heavy deposit of coke is formed on the surface of the metal balls, thereafter suddenly releasing the pressure whereby the coke is broken by the explosive forces of expending gases contained in the pores of the coke and separating the coke from the metal balls.

2,494,696
CASTER BRAKE
Charles F. Forbes, Los Angeles, Calif.
Application July 15, 1946, Serial No. 683,673
6 Claims. (Cl. 16—35)



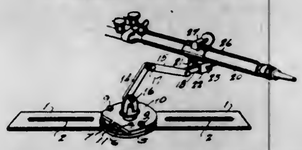
1. In means for locking relatively rotatable elements against rotation, a pair of elements mounted for rotation relative to each other, said elements having opposing faces forming a bearing raceway, a plurality of movable bearings in said raceway, and means adapted to enter said raceway between bearings to prevent movement of said bearings whereby said elements are prevented from rotating relative to each other.

2,494,697
CURTAIN ROD
Ledger D. Ford and Frederick L. Stutz, Sturgis, Mich., assignors to Kirsch Company, Sturgis, Mich., a corporation of Michigan
Application January 10, 1946, Serial No. 640,306
10 Claims. (Cl. 211—105.3)



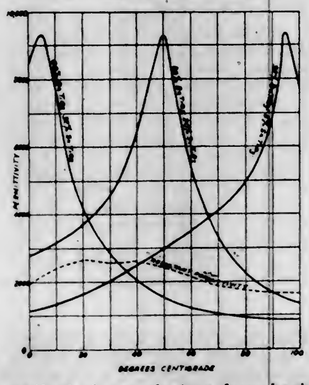
10. The combination with a bracket having spaced slots in its upper edge providing an upwardly projecting tongue, of a curtain rod, and a bracket engaging tip having a threading pilot head, and neck members extending from the head and spaced to receive said tongue on said bracket between them, said neck members having arms extending therefrom and retainingly engaged with the rod.

2,494,698
ADJUSTABLE CUTTING TORCH HOLDER
Donald L. Forrest, Fort Worth, Tex., assignor of five per cent to Fort Worth Structural Steel Company, Fort Worth, Tex., a corporation of Texas
Application September 24, 1945, Serial No. 618,299
5 Claims. (Cl. 248—278)



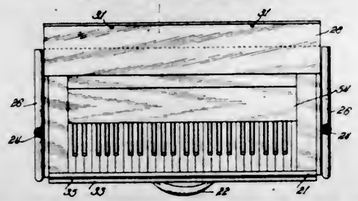
1. In a cutting torch holder for angular cuts on pipe and tubing, a slotted base plate adapted for adjustable securement to a table, a circular base member having a circular groove formed in its face and a radial arrangement of graduations adjacent to said groove, an indicator plate pivotally superposed upon the said base member and adjustably securable thereto, a bracket integrally supported centrally of the said indicator plate, a plurality of pivotally connected arms secured to the said bracket and capable of fixed angular adjustment with respect thereto and to each other, a torch holder bar having graduations thereon pivotally connected to the outermost of the said arms, a torch holder slidably adjustable with respect to the said graduations along the said bar, said holder being capable of horizontal pivotal adjustment with respect to said bar.

2,494,699
MANUFACTURE OF DIELECTRIC MATERIALS
William Francis Forrester, Glasgow, Scotland, and Robert Malcolm Hinde, Huyton, near Liverpool, and Bela Szigeti, Clifton, Bristol, England, assignors to British Insulated Callender's Cables Limited, London, England, a British company
Application January 7, 1948, Serial No. 832
In Great Britain December 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 17, 1966
7 Claims. (Cl. 25—156)



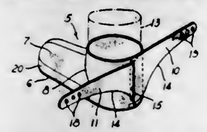
3. A method of manufacture from barium and strontium titanates of a ceramic body having a high permittivity between predetermined maximum and minimum values over a desired temperature range, comprising forming from the said titanates at least two solid solutions each having proportions of the said titanates different from the proportions in any other of the said solutions and each having its maximum permittivity at a temperature different from the temperature for maximum permittivity of any other of the said solutions, each of said temperatures being within the desired temperature range, reducing the said solid solutions to powder, and combining portions of the powdered solid solutions into an integral body by heat treatment, without destroying the identities of the said solid solutions.

2,494,700
PORTABLE PIANO
Karl S. Gage, Chicago, Ill.
Application September 19, 1946, Serial No. 697,932
10 Claims. (Cl. 84—174)



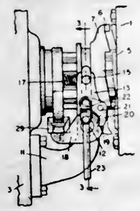
1. The combination, in a portable piano, comprising a casing having a frame supporting piano strings, dampers for said strings, a bar for said dampers, a pull wire extending from said bar to the exterior of said casing, a spring interposed between said casing and a point on said wire, a detachable pedal having a wire adapted to be connected to said damper pull wire, and a detachable guide for said pedal wire mounted on the exterior of said casing.

2,494,701
SURGICAL BOOT
Frances E. Gogerty, Balboa Island, Calif.
Application January 10, 1948, Serial No. 1,602
6 Claims. (Cl. 36—8.5)



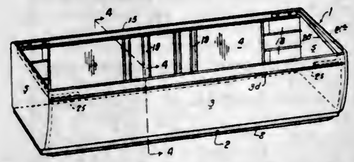
1. A surgical boot adapted to cover a surgical foot and ankle cast, including: a flexible foot portion having a sole including a heel and an upper for enclosing the fore part of the foot section of the cast; and upstanding U-shaped ankle portion having a central part joined to said upper and sides joined to the rearward end of said heel and cooperating with said heel to completely enclose the sides and bottom of the heel section of the cast, said sides of said ankle portions providing between them an opening in the rear of the boot through which the foot and ankle sections of the cast can be inserted; straps forming rearward extensions of the sides of said ankle portion, one of said straps having an aperture therein through which the other strap can pass to adapt the straps to cross each other at the center of the back of the boot so as to close said opening and to encircle the ankle section of the cast with their free ends overlapping; and interengageable fastening means on said straps adjacent their free ends adapted to adjustably connect said free ends at the front of the ankle section of the cast.

2,494,702
CLUTCH FOR PUNCH PRESSES AND THE LIKE
Mark Graves, Cleveland, Ohio
Application December 28, 1946, Serial No. 719,057
9 Claims. (Cl. 192—24)



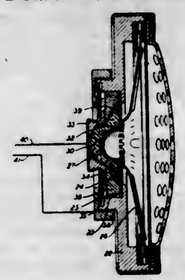
1. In a clutch comprising a flywheel and a member axially shiftable into and out of driven engagement with such flywheel, a yoke engaging such shiftable member and pivotally mounted for oscillation about a fixed axis transverse to the axis of such shiftable member and flywheel, resilient means urging such shiftable member toward such flywheel, a pawl on said yoke, a lever adapted to engage said pawl, a cam bearing against said lever adapted in one position to hold the same against pivotal movement and thereby lock said yoke to hold such shiftable member out of engagement with such flywheel, means operative to disengage said pawl from said lever to permit oscillation of said yoke and shifting of such shiftable member by said resilient means, and means operative through such clutch to rotate said cam to rock said lever to re-engage said pawl and then to rock said lever in the opposite direction to oscillate said yoke to disengage said shiftable member from said flywheel.

2,494,703
REFRIGERATED MERCHANDISE DISPLAY CASE OR THE LIKE
David J. Greiling, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application April 1, 1948, Serial No. 18,366
11 Claims. (Cl. 312—116)



1. In a case of the class described, a rectangular pan-shaped bottom section having a surrounding top edge portion with outwardly projecting flange, front and rear sections having lower edge portions engaging over and at the inner side of said bottom edge portions and rigidly attached thereto, longitudinally extending reinforcements at the inner upper edge portions of said front and rear sections rigidly attached thereto and forming channels with their ends open at the ends of said sections, opposing end sections seating on the top edge portions at the ends of said bottom section and having inwardly extending side edge flanges lapping the adjacent end edges of the side sections and rigidly attached thereto, and a U-shaped reinforcing bar rigidly attached at its loop portion to the inner side of each end section crosswise thereof and near its upper edge with its legs projecting inwardly therefrom and telescoping within and rigidly secured to the adjacent open ends of the respective channeled side reinforcements to cooperate therewith and with the bottom, side and end sections to produce a hollow case that is highly resistant to twisting and distorting strains.

2,494,704
MICROPHONE WITH FUSE
Olof D. M. Guthe, Scarsdale, N. Y., and Oscar A. Shann, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1945, Serial No. 613,984
1 Claim. (Cl. 179—122)

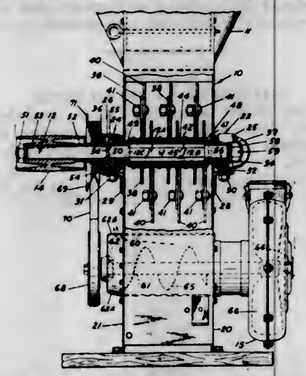


A telephone transmitter comprising a pair of line terminals, a casing having an opening therein, a ring element in said opening, said ring element having a negative coefficient of resistance, a first electrode adjacent said ring element in said opening and electrically connected to one side of said ring element and to one of said terminals, a second electrode in said opening electrically connected to another side of said ring element and to the other of said terminals, comminuted resistance material between said electrodes, diaphragm means for vibrating said second electrode, and insulating means between said ring element and said resistance material.

2,494,705
HAMMER MILL ROTOR STRUCTURE
Matthew E. Hamilton, Dearborn, Mich., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application February 21, 1947, Serial No. 729,925
1 Claim. (Cl. 241—191)

In a hammer mill the combination comprising a housing, a rotatable shaft extending horizontally in the housing and having a fixed collar spaced inwardly from one end thereof, a hammer assembly including a series of longitudinally stacked hammer blades mounted for clamping adjacent one another on the central portion of said shaft, first and second conical thrust bearings arranged at the opposite walls of said housing for supporting said shaft, each of said bearings having an outer race mounted on the respective walls of the housing and facing outwardly with respect thereto, each of said bearings having an inwardly facing inner race for cooperating with the respective outer races, the inner race of said first bearing being telescoped on the shaft and having a shiftable collar adjacent its inner edge arranged to abut said series of hammer blades for clamping the blades against said fixed collar, a nut at the end of the shaft associated with said first bearing for drawing up the inner race thereof tightly

against said stacked hammer blades to rigidify the blade assembly, the inner race of said second bearing being slidably telescoped on said shaft and having a lockable nut for not only retaining the race but for drawing up the race to reduce the spacing between the two inner races and con-



sequently effect simultaneous and equalized adjustment of the play in said bearings, the inner race of said second bearing having sufficient clearance relative to said fixed collar so as to permit maximum takeup for wear of the bearings normally required during the life thereof.

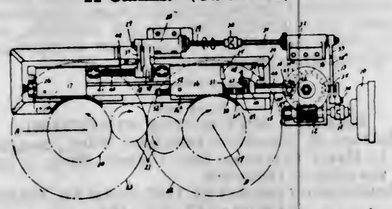
2,494,706

UNIDIRECTIONAL DUAL SELECTIVE DRIVE FOR DUAL TABLE GLASS MACHINES

Albert Wilhelm Happel, deceased, late of Anderson, Ind., by Hedwig Happel, executrix, Anderson, Ind., assignor to Lynch Corporation, Anderson, Ind.

Application January 26, 1948, Serial No. 4,238

11 Claims. (Cl. 74—84)



1. In a glass forming machine having a pair of step-by-step rotatable work tables, and a gear for each operatively associated together for conjoint movement, the combination therewith of a pair of spaced racks longitudinally aligned one with the other, each adapted for operative engagement with but one of the gears, mechanism for simultaneously reciprocating both racks, and other mechanism radially disposing one rack in engagement with its gear and radially disposing the other rack in radially spaced relation to its gear and vice versa.

2,494,707

SIDECAR FOR BICYCLES

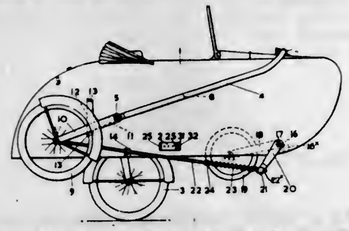
George Benjamin Hill, Cheltenham, England

Application December 23, 1947, Serial No. 793,537

In Great Britain December 31, 1946

11 Claims. (Cl. 280—203)

1. A side car for a bicycle, comprising in combination a carriage body, a stationarily mounted ground-engaging wheel which serves as the usual single car wheel when the side car is used with the bicycle, at least one other ground wheel movably mounted to said body and having two end positions, the first one being a ground-engaging position, the second one an inoperative position, a handle movably mounted to said body and



having also two end positions, the first one being an operative position for propelling the car when used as a separate vehicle, the second one being an inoperative position, and a connection between said second wheel and said handle for common movement so that one of them is in its first position when the other one is in its second position.

2,494,708

STABLE BITUMINOUS EMULSION AND PREPARATION THEREOF

Donald C. Jesseph, Los Angeles, Calif.

No Drawing. Application July 27, 1946, Serial No. 686,721

4 Claims. (Cl. 252—311.5)

3. An emulsion consisting of water and bituminous material in which water is the continuous phase and bituminous material is the disperse phase, said emulsion being stabilized by ammonium-ligno-sulfonate mixed therein.

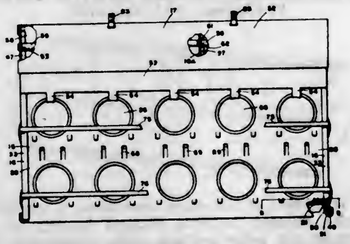
2,494,709

NEST CONSTRUCTION

Stanley E. Keagle, Minneapolis, Minn.

Application January 17, 1946, Serial No. 641,751

16 Claims. (Cl. 119—45)



1. In a nest construction, a front member consisting of a sheet of material having an opening, spaced apart end members each consisting of a sheet of material extending rearwardly from opposite side margins of said front member at angular relation to the front member, a forward margin of each of said spaced apart end members including an inwardly extending flange portion, and a pair of channel elements for connecting opposite side margins of said front member and the inwardly extending flange portions of said end members, respectively, to each other, each of said channel elements being constituted as an elongated strip bent upon itself to provide

an intermediate length and outermost lengths of each channel element parallel with and spaced from said intermediate length defining inwardly and outwardly opening rectilinear channels of each of said channel elements, each of the opposite side margins of said front member being fitted to one of the rectilinear channels of the channel element at the corresponding side of the front member and the inwardly extending flange portion of each of said end members being fitted to the other of the rectilinear channels of the channel element at the corresponding side of said front member.

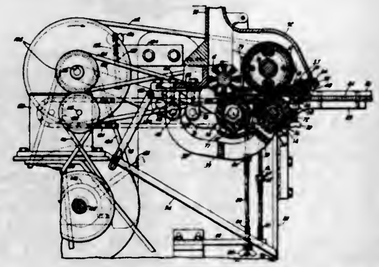
2,494,710

MACHINE FOR ABRADING SHOE PARTS

Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 17, 1947, Serial No. 761,498

1 Claim. (Cl. 51—78)



In a machine for abrading sheet material, a driven abrading roll, a driven feed roll arranged to press a work piece of sheet material against the abrading roll, a swinging bracket on which the feed roll is carried, a pivotal mounting on which the bracket is fulcrumed, spring means acting on the bracket to urge the feed roll toward the abrading roll, a driven rotary brush positioned rearwardly of the abrading roll and arranged to engage a face of the work piece, a second driven feed roll arranged to press the work piece against the brush, a swinging bracket on which the second-mentioned feed roll is carried, a pivotal mounting on which the second-mentioned bracket is fulcrumed, and spring means acting on the second-mentioned bracket to urge the second-mentioned feed roll toward the brush, the second-mentioned pivotal mounting being positioned rearwardly of the brush and the first-mentioned pivotal mounting being positioned rearwardly of the second-mentioned pivotal mounting, and the first-mentioned bracket being U-shaped to enable it to pass under and thereby clear the second-mentioned bracket and the second-mentioned feed roll to insure independent action of the feed rolls.

2,494,711

GARMENT HANGER

Hyman Kusher, New York, and Emil Weimann, Jamaica, N. Y.

Application June 28, 1946, Serial No. 680,232

2 Claims. (Cl. 223—94)

1. A garment hanger comprising a longitudinally arched main bar, a suspension member midway the length of said bar adapted for engagement with an overhead support, portions of said bar between its ends and said suspension member being formed with longitudinally extending slots conforming to the curvature of the bar and with notches spaced from each other longitudinally of the upper walls of the slots, tubular longitudinally curved sleeves fitting about said bar and slidable longitudinally thereon from a retracted position to an extended position and having their inner ends abutting under said suspension member when retracted, and pins



mounted transversely through inner end portions of said sleeves and passing through said slots to limit sliding movement of the sleeves along the bar, said sleeves being tiltable upon said bar by weight upon their outer portions when extended and when so tilted disposing the pins in selected notches to releasably hold the sleeves in adjusted positions.

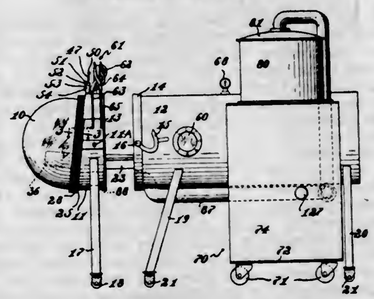
2,494,712

LUNG IMMOBILIZER

Jan Leyenaar, Lexington, Mass., assignor to J. H. Emerson Company, Cambridge, Mass., a corporation of Massachusetts

Application December 4, 1947, Serial No. 789,597

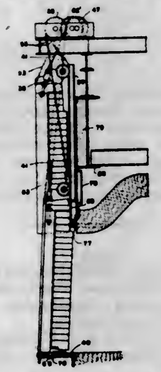
7 Claims. (Cl. 128—30)



1. In a lung immobilizer having a body-enclosing chamber, a head-enclosing chamber, a partition separating said chambers, a conduit affording communication between said chambers at all times, and mechanism for varying the effective size of said conduit, the improvement comprising a pressure-creating mechanism including a pressure-creating member which is continuously in communication with the head-enclosing chamber, a reciprocating member operative to actuate the pressure-creating member to create a period of negative pressure within the head-enclosing chamber during each movement of the reciprocating member in one direction, an atmospheric conduit operative to afford free communication between the head-enclosing chamber and the air of the atmosphere, a movable member operative to control said free communication between the head-enclosing chamber and the air of the atmosphere through said atmospheric conduit, and means to actuate said movable member to open said communication through the atmospheric conduit prior to the end of each movement of the reciprocating member in a direction to create a period of negative pressure, whereby both the head-enclosing chamber and the pressure-creating mechanism are supplied with air from the atmosphere through said atmospheric conduit

prior to the end of each movement of the reciprocating member in a direction to create a period of negative pressure.

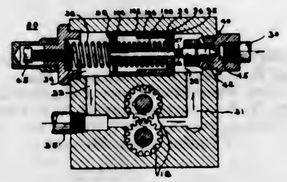
2,494,713
FURNACE DOOR OPERATING MECHANISM
Levi S. Longenecker, Mount Lebanon, Pa.
Application April 2, 1946, Serial No. 659,014
11 Claims. (Cl. 110—176)



1. In a furnace having a charging opening, a track extending vertically above such opening, a door controlling such opening and which when closed rests against the furnace in inclined position, spaced lever devices connected to the door top for swinging movement about a common axis that parallels the longitudinal center line of the door top, each such lever device including an arm which extends away from such axis toward the off furnace side of the door and a track contact element located on the furnace side of such axis, means limiting the upswing of such arms, an agent located on the furnace side of such axis rigidly connecting such lever devices, hoisting lines secured to such lever devices, means for operating such lines to raise and lower the door, a counterweight for counterbalancing a substantial part of the weight of the door, flexible means connecting such counterweight to the door top adjacent its off furnace side and to such agent adjacent the furnace side of the door top, and sheave means mounted above the furnace for supporting such flexible means and being offset toward the furnace from the vertical plane which, when the door is resting against the furnace in closed position, includes the point at which the counterweight makes connection with the off furnace side of the door top; the construction and arrangement being such that when the door reaches down position and the hoisting lines are slackened, the counterweight exerts a component of force on the door top that tilts the door to and holds it in closed position against the furnace.

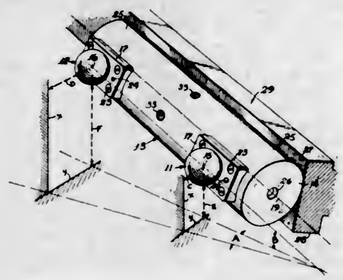
2,494,714
OIL BURNER APPARATUS, INCLUDING AN AUTOMATIC DELAY ACTION FUEL VALVE
Wallace R. Lyman, Chicopee Falls, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1943, Serial No. 480,725
7 Claims. (Cl. 158—36.3)

1. In an oil burner including a blower for delivering combustion air to the combustion chamber of said burner, a nozzle for delivering fuel oil to said combustion chamber, a positive displacement pump for delivering oil under pressure to said nozzle, a single motor for driving said blower and said pump, and a valve controlling the flow of oil through said nozzle, valve control and discharge delay mechanism comprising spring-biased means controlling said valve and normally assuming a first position in which said valve is closed, means responsive to oil pressure from said pump of a predetermined value for moving said



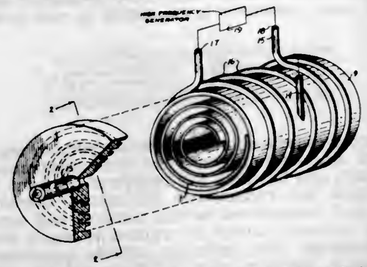
spring-biased means to a second position in which said valve is open, and pressure-responsive means subjected to the pressure of the oil and movable through a limited range, independently of said spring-biased means, under pressure less than the said predetermined pressure value, the movement of said last-mentioned pressure-responsive means providing room for accommodating the oil initially discharged by said pump to delay the opening of said valve until the air delivered by said blower to said combustion chamber has reached substantially its normal flow.

2,494,715
SINE BAR
Donald E. Mathews, Rockford, Ill.
Application April 13, 1944, Serial No. 530,772
2 Claims. (Cl. 33—174)



1. A sine bar comprising, an elongated rigid member having arcuate surfaces of equal radii concentric with and spaced along a longitudinal axis of said member, mounting areas in said member spaced along the latter and disposed closer to said axis than said arcuate surfaces, a pair of spheres of equal radii, supports rigid with and projecting from said spheres and fitting against said areas to locate a line through the centers of the spheres precisely parallel to said axis, and means removably securing said supports rigidly against said areas.

2,494,716
METHOD AND APPARATUS FOR TREATING MATERIALS DIELECTRICALLY
Everett K. McMahon, South Norwalk, Conn., and Phillip W. Schutz, Leonia, N. J., assignors to Induction Heating Corp., New York, N. Y., a corporation of New York
Application November 8, 1945, Serial No. 627,350
8 Claims. (Cl. 219—47)



1. Apparatus for dielectrically heating fluids or fluid-like materials having dielectric properties comprising: a ribbon-like conductive strip shaped in the form of spaced convolutions, with surfaces of the wider dimension of one convolution facing surfaces of the wider dimension of another to thereby form opposed spaced-apart conductor areas having a substantial amount of distributed capacity therebetween, enclosure means for the material, in which enclosure means such convolutions are mounted for immersion in the material whereby the material forms a dielectric between said conductor areas, and means external to said enclosure means for subjecting said convolutions to a high frequency electromagnetic field of a strength and frequency to energize same and cause substantial dielectric heating of the material by reason of the distributed capacity between said conductor areas.

2,494,717
PEANUT PRODUCTS AND PROCESS FOR PREPARING THE SAME
John T. Owen, Bloomfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 18, 1947, Serial No. 786,787
8 Claims. (Cl. 99—128)

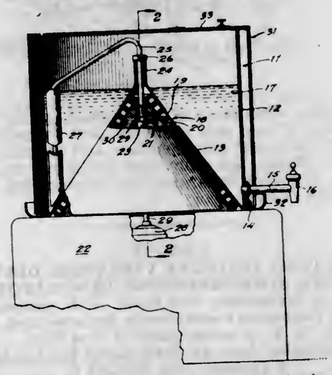
1. A peanut preparation stabilized against rancidity comprising peanuts and an external coating of salt containing an inhibitor selected from the group which consists of ascorbic acid, salts of ascorbic acid and esters thereof.

2,494,718
METHOD OF ELECTRIC ARC WELDING
Robert P. Palmer, Steubenville, Ohio
Application June 15, 1948, Serial No. 33,029
6 Claims. (Cl. 219—10)



1. A method of welding a workpiece, comprising laying a weld rod along a desired line of weld upon a workpiece of metal which conducts electricity but insulated therefrom, connecting the weld rod and workpiece in an electric circuit and striking an arc between the weld rod and workpiece, applying current to the weld rod at a plurality of spaced points while confining the application of current to the portion of the weld rod which lies adjacent the arc, and as the arc progresses to each point of current supply stopping the supply of current at that point and reapplying the same current supply to another point on the weld rod located adjacent to but in advance of the arc, whereby the current is supplied to the weld rod uninterruptedly throughout the welding operation and the current is supplied at any one time only to that portion of the weld rod which is adjacent the arc.

2,494,719
BEVERAGE CONTAINER AND SUPPORT THEREFOR
Lloyd E. Rabjohn, Glendale, Calif.
Application June 23, 1947, Serial No. 756,349
3 Claims. (Cl. 257—108)

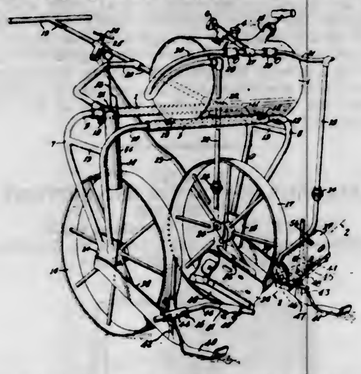


3. Apparatus for conditioning and storing beverages comprising, in combination, a container for receiving a beverage including a cylindrical wall and a reentrant bottom of cone shape, the top of said cone shaped bottom extending to near the top of said container, a sleeve sealed to the top of said cone shaped bottom, a stirrer shaft rotatably extending upwardly through said sleeve and bent downwardly therefrom, a stirrer blade secured to said shaft and depending to adjacent the angular juncture of said container wall and cone shaped bottom, and a supported cone shaped heat exchanger disposed within said cone shaped bottom in intimate contact therewith and nestingly supporting said container, said stirrer shaft also extending upwardly through said cone shaped heat exchanger and being adapted to be connected at its lower end to a driving member, and insulating material within and filling said cone shaped heat exchanger of cone shape and in intimate contact therewith.

2,494,720
FLAME CULTIVATOR
Atherton Richards, Luakoha, Honolulu, Territory of Hawaii, assignor, by mesne assignments, to Flame Cultivation, Incorporated, New York, N. Y., a corporation of Maryland
Application March 1, 1946, Serial No. 651,086
3 Claims. (Cl. 126—271.2)

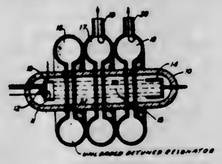
1. A hand-operated flame apparatus comprising a pair of spaced fuel-tank-supporting members, side members connected to each end of each

of said spaced fuel-tank-supporting members and extending downwardly to form an inverted generally U-shaped body adapted to pass over a crop row, said members being adjustably connected to said spaced fuel-tank-supporting members to permit varying of the distance between said side



members, supporting wheels carried by the lower portions of said side members, and burners supported from said side members and positioned to project flames inwardly and across a crop row, along which the apparatus may be propelled, from opposite sides thereof.

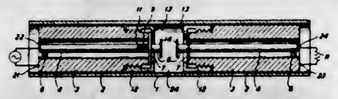
2,494,721
ELECTRON VELOCITY VARIATION DEVICE WITH NOISE REDUCING RESONATOR
Sloan D. Robertson, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 18, 1947, Serial No. 755,444
3 Claims. (Cl. 250—27.5)



3. An electron velocity variation amplifier comprising means for projecting a beam of electrons along a particular path, a plurality of cavity resonators mounted along the path of said beam in the following order: the cavity resonator nearest the said means for projecting the beam being an unloaded detuned resonator, the next cavity resonator in order being an input resonator having an input coupling connected thereto and tuned to the operating frequency, and the next cavity resonator in order being an output device.

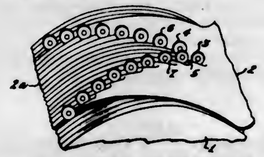
2,494,722
RESISTIVE TERMINATION
Sidney Rosen, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 10, 1945, Serial No. 582,113
3 Claims. (Cl. 178—44)

1. In combination, means for establishing a magnetic field, an energy pick-up device positioned within said field, a coaxial transmission line, and a substantially purely resistive termination, said line comprising a tubular outer conductor and an inner conductor concentric therewith, said pick-up device being connected to an end of said inner conductor, said termination comprising a strip of insulating material coated with resistive material, said strip being connected diametrically between said outer conductor and said inner conductor in proximity to said pick-



up device, said insulating material being of minimum cross-section consistent with mechanical strength and having a low dielectric constant to minimize the capacitance introduced thereby, and said termination having physical and electrical symmetry about its transverse center line to minimize the inductive effects associated therewith, whereby wave reflection and the frequency-dependence of the phase angle of said termination are minimized.

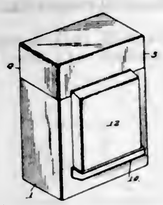
2,494,723
CREPING CORRUGATED PAPERS
William Wallace Rowe, Cincinnati, Ohio, assignor to Cincinnati Industries, Inc., Lockland, Ohio, a corporation of Ohio
Original application February 19, 1940, Serial No. 319,641. Divided and this application February 8, 1947, Serial No. 727,462
8 Claims. (Cl. 154—33.05)



6. A process of imparting multi-lateral stretchability to a web which comprises causing said web to conform to a grooved surface and binding said web to said surface by means of an adhesive, afterward removing said web from said surface first in the valleys thereof and thereafter from the peaks thereof by a doctor having a creping V of not more than substantially 90° while forming oblique crinkles in said web, proportioning the angularity of said crinkles and the amount of stretchability produced thereby to the widthwise gathering of the web so as to produce a web which is longitudinally stretchable, and in which the corrugations have in part at least been taken up by the widthwise gathering due to oblique creping crinkles.

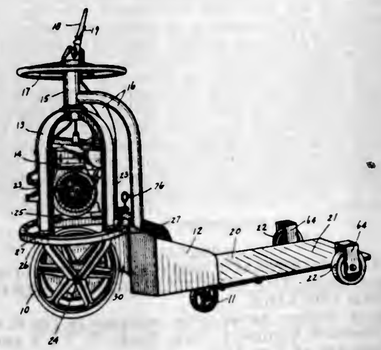
2,494,724
CIGARETTE AND MATCH CASE
Emil G. Schmidt, Chicago, Ill.
Application July 14, 1945, Serial No. 605,092
1 Claim. (Cl. 206—38)

A combined cigarette and match package container comprising a lower hollow container and an upper closure cover telescoping therewith, a shelf integral with the lower container and projecting outwardly from a wall thereof, said shelf having a recess formed in the upper surface thereof to receive the lower end of a match package of the book type, a strap struck from the said wall and located above the shelf and adapted to receive the flap of the match package to hold the package on the shelf and prevent the package from shifting, and an elongated rigid match package covering member integral with the closure cover, said covering member having its front wall spaced from the said wall of the lower con-



tainer to provide a compartment to receive the match package on the shelf when the closure cover is telescoped with the lower container, said closure cover having side walls integral with the front wall thereof, the covering member extending downwardly a predetermined distance so that its bottom edge will engage the upper surface of the shelf when the closure cover and the lower container are telescoped together.

2,494,725
POWER-DRIVEN VEHICLE WITH LOADING RAMP
Louis Schwitzer and John Roland, Indianapolis, Ind., assignors to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Original application December 11, 1943, Serial No. 513,858. Divided and this application April 14, 1948, Serial No. 21,006
3 Claims. (Cl. 214—85)

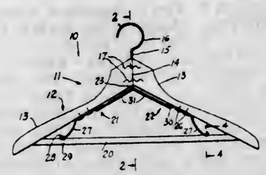


1. A truck having a chassis, supporting wheels therefor, a fixed platform section carried at one end of said chassis, a tiltable loading platform section carried at the other end of said chassis, said sections normally lying in the same plane to provide a trucking platform, a latch mounted on the underside of said tilting section, and a latching member extending under said fixed section and projecting upwardly therefrom normally in latching engagement to maintain said tiltable section in load carrying position and manually releasable to disengage said section to permit it to tilt to loading and unloading position.

2,494,726
PROCESS FOR TREATING LIPOIDAL MATERIAL
Robert H. Sifferd, Lyons, and Jules D. Porsche, Clarendon Hills, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 5, 1941, Serial No. 409,662
20 Claims. (Cl. 260—403)

8. The process of separating a glycolipid from a composition containing it in mixture with a sterol which comprises subjecting said composition to contact with ethylene dichloride in the presence of moisture, and separating an aqueous phase containing said glycolipid from an ethylene dichloride phase containing said sterol.

2,494,727
COAT HANGER TROUSER HOLDING ATTACHMENT
Bette Sloane, Brooklyn, N. Y.
Application May 10, 1946, Serial No. 668,676
2 Claims. (Cl. 223—91)

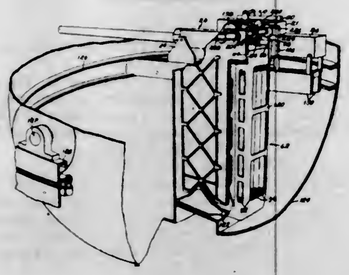


1. An article of manufacture for use in combination with a coat hanger having arms in angular relation joining to form an apex and a straight trouser bar interconnected to lower end portions of said arms, comprising a one-piece angular strip member formed with an apex for lying adjacent the hanger apex at an underside of the coat hanger arms, said member having downwardly divergent mid-sections serving as a support for neckties sized to extend along said underside of the arms of the coat hanger, trouser holding spring fingers integrally formed to terminate said member positioned to resiliently bear against spaced portions of the trouser bar, and attachment means forming part of said member between said mid-sections and said spring fingers for securing the strip member to each of said arms, said mid-sections being offset in spaced relation to the coat hanger arms to extend from the attachment means to the apex when said member is in secured effective position on the coat hanger.

2,494,728
AMMUNITION FEEDER
Ernest W. Stacey and Frank W. Reinhold, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 26, 1945, Serial No. 637,236
10 Claims. (Cl. 89—33)

1. In a machine for feeding ammunition to automatic guns, means for receiving cartridges assembled in groups in separate clips, mechanism for feeding said clips of cartridges successively to

a transfer station adjacent to a feed box of a gun, and means energized by and operated in timed

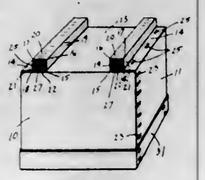


relation with said mechanism for delivering said clips of cartridges to the feed box of the gun.

2,494,729
METHOD OF PREPARING ALUMINUM PLATES TO RECEIVE SILVER HALIDE EMULSION
Bennett F. Terry, Stamford, Conn.
No Drawing. Application April 8, 1947, Serial No. 740,267
5 Claims. (Cl. 148—6.15)

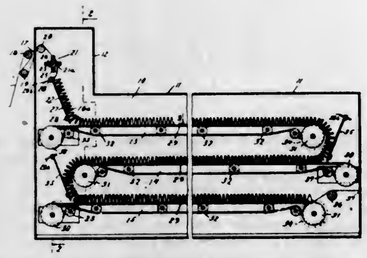
3. The method of treating the surfaces of aluminum plates to condition them to be substantially impervious to the reacting constituents of a silver halide emulsion coating, which consists of subjecting said surfaces to the action of a solution of water and disodium phosphate for a period of time greater than ten minutes, said solution being at an elevated temperature, the further step of thoroughly washing said surface, and the final step of coating said surface with said emulsion.

2,494,730
PALLETIZED CONTAINER
Arthur H. Thursby, Chicago, Ill., assignor to Inland Container Corporation, Indianapolis, Ind., a corporation
Application January 29, 1949, Serial No. 73,498
5 Claims. (Cl. 229—16)



1. In a paper board and the like container having four sequentially connected side walls secured together in tubular formation, the combination therewith of end forming flaps, each hingedly connected to the adjacent edge of a wall and foldable inwardly for end closure purposes, at least two of said flaps having creases therein disposed in spaced relation to the hinge connection thereof to form tubes external of and integral with the end closure, the resulting tubes being disposed inwardly of and parallel to the adjacent edge of the container.

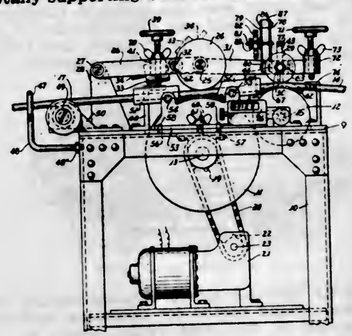
2,494,731
APPARATUS FOR STEAMING TEXTILES
George P. Vincent, Briarcliff Manor, N. Y., and Archie L. Dubeau, Rumford, R. I., assignors to Mathieson Chemical Corporation, a corporation of Virginia
Application June 26, 1945, Serial No. 601,688
2 Claims. (Cl. 68—5)



1. In apparatus for steaming textiles, the combination which comprises a closed steam chamber, a plurality of lateral conveyors disposed one above the other in the chamber, the discharge end of each conveyor, but the last, being positioned above the next lower conveyor, means for introducing a ribbon of cloth continuously into the chamber, means for delivering this cloth in accordion folds onto the uppermost conveyor with the folds in a substantially upright position, an inclined guide positioned at the discharge end of each conveyor, but the last, above the receiving end of the next lower conveyor extending transversely of the conveyor and spaced from the said discharge end thereof a distance approximating the height of the accordion folds to be formed so that in operation the folded cloth will fall from the discharge end of the conveyor onto the inclined guide and then slide onto the next lower conveyor with the folds in a substantially upright position whereby the cloth moves through the chamber in substantially vertical accordion folds on each of the conveyors, and means for continuously removing the cloth from the discharge end of the lowermost conveyor and from the chamber.

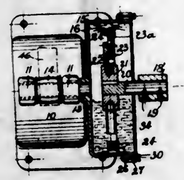
2,494,732
ROLLING CONTACT DEVICE FOR MEASURING LENGTHS OF FLEXIBLE HOSE, STRIP, AND THE LIKE
John A. Weber, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 30, 1945, Serial No. 613,561
10 Claims. (Cl. 33—129)

6. Apparatus for measuring elastically-stretchable strip material, said apparatus comprising a measuring roll arranged to be driven by progressive contact with the strip material, a feed roll arranged to contact the strip progressively in advance of said measuring roll, a pressure roll arranged to press said strip progressively into engagement with said feed roll, a pressure roll arranged to press said strip progressively into engagement with said measuring roll, means for pivotally supporting both said pressure rolls, and



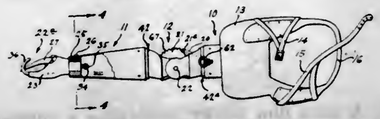
a single means for simultaneously changing the pressure of both said rolls against the strip.

2,494,733
PROCESS FOR POLISHING ARTICLES AND A DEVICE FOR USE THEREIN
Ernest George Whitehead, Wolverhampton, England, assignor to The Wolverhampton Die-Casting Company Limited, Wolverhampton, England
Application June 25, 1946, Serial No. 679,226
In Great Britain March 15, 1946
4 Claims. (Cl. 51—7)



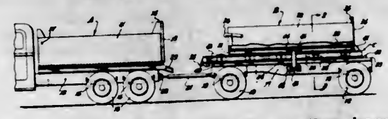
1. In a device for polishing articles, said device comprising a hollow drum mounted for rotation from a source of power, a carrier held stationary within the drum, said carrier adapted to carry the articles to be polished, a wall closing one end of the drum, a removable cover closing the other end, small pieces of material and polishing material placed within the drum, and a lining of resilient material applied to the inner periphery of the drum, and means for operating the drum intermittently in reverse directions.

2,494,734
ARTIFICIAL ARM
Robert W. Wilkinson, Tisdale, Saskatchewan, Canada
Application July 23, 1947, Serial No. 762,895
8 Claims. (Cl. 3—12)



1. An artificial arm comprising an upper arm member, means for anchoring said upper arm member to the torso of an amputee in a position corresponding to the location of the upper portion of the severed arm and in a substantially fixed position with regard to the torso, a forearm member pivotally connected to said upper arm member in simulation of an elbow joint, a shoulder plate mountable on the adjacent shoulder of the amputee, leverage means connectable to said forearm member for movement therewith about said pivoted connection, and movement transmitting means connecting said leverage means and said shoulder plate, whereby upward movement of said shoulder is transmitted by said movement transmitting means to said leverage mechanism and forearm member to cause movement of said forearm about said hinged connection relative to said upper arm member.

2,494,735
MECHANISM FOR TRANSFERRING A BODY FROM A TRAILER CHASSIS TO A TRUCK CHASSIS, AND VICE VERSA
Michael Ambarcumian, Los Angeles, Calif.
Application April 13, 1946, Serial No. 661,921
14 Claims. (Cl. 214—38)



14. In combination: a truck; a trailer chassis; a body removably mounted on the trailer chassis; and cooperative means in association with a truck, the trailer chassis and the trailer body so constructed and arranged that the trailer body may be transferred to the truck chassis, and vice versa, by moving the truck toward and away from the trailer, said means including a center rail longitudinally on the upper side of said chassis, a pair of rails on the under side of said chassis at opposite sides of the center rail, a frame between said chassis and said body having rollers for mounting the frame for longitudinal rolling movement on said center rail, a rail on the under side of said body engaging said rollers so that the latter support the body for rolling movement on said frame, rollers on the under side of said body engageable with said pair of rails to render lateral support to said body when the latter is unsupported by the first mentioned rollers, and to render such support on the one side or the other of said body but not on both sides when said body is supported by said first mentioned rollers.

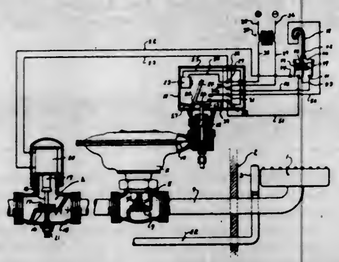
2,494,736
COPPER BASE ALLOY
John D. Berwick, Alton, Ill., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
No Drawing. Application October 20, 1945, Serial No. 623,609
2 Claims. (Cl. 75—157.5)

1. A copper-base alloy susceptible to annealing at relatively low temperatures between cold working operations composed of 4% to 15.5% zinc, 3.5% to 6.5% aluminum, 1% to 2.5% manganese, and the balance copper, the copper content being 80% to 89%.

2,494,737
HEAT CONTROLLING SYSTEM
Simon V. Borst, Oshkosh, Wis.
Application December 30, 1946, Serial No. 719,298
1 Claim. (Cl. 236—1)

The combination with a heating system including a burner, a pipe for supplying fuel to

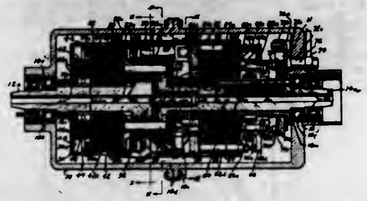
the burner, a main and secondary valve for controlling the flow of fuel through the pipe, said valves being normally movable toward a closed position, adjustable means for holding the secondary valve in a partially opened position, electric means including a solenoid for moving the secondary valve to a fully opened position, electric means for opening the main valve including an electromagnet, an armature adapted to be attracted by said magnet, hold over contacts normally spaced but movable into electrical contact upon movement of the armature toward its electromagnet, a room thermostat including a bi-metallic arm effected by change in temperatures, a head movable with the arm, stationary contacts unequally spaced and contact blades carried by the head movable toward and away from the contacts with said head, feed and return wires, the feed wire being connected to one terminal of the magnet and return wire being electrically connected to one contact of the room



thermostat, means electrically connecting the other terminal of the electro-magnet to one hold over contact, the other hold over contact being electrically connected with the arm of the thermostat, said first mentioned hold over contact being electrically connected with an intermediate contact of the thermostat, and another of said thermostat contacts being electrically connected with one terminal of the solenoid to the feed wire, the thermostat being set whereby when heat is being called for a blade will first engage the contact for the wire leading to the solenoid and upon further movement a blade will engage the intermediate contact so that the solenoid will be first energized to open the secondary valve and then the electromagnet will be energized to open the main valve and whereby upon movement of the thermostat arm and head in an opposite direction the circuit to the solenoid will be first broken and the circuit to the electromagnet will be finally broken.

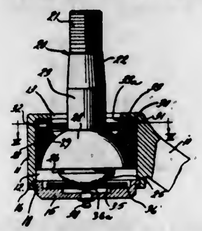
2,494,738
STEERING GEAR
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 26, 1947, Serial No. 737,265
15 Claims. (Cl. 74—785)

1. A variable gear ratio steering assembly comprising a steering shaft, a steering linkage, a sun gear positively connected to and driven by said shaft, a spider positively connected to and driving said steering linkage, planet gears rotatably mounted on said spider and meshed with said sun gear, a ring gear meshed with said planet gears, a first means operable to connect said spider to rotate with said sun gear and effect turning of said steering linkage at the speed of said steering shaft when said steering shaft is turned in either direction, a second means operable to prevent rotation of said ring gear and cause said planet gear and spider to rotate relative to said ring gear and effect turning of said steering linkage at a reduced speed upon turning of said steering shaft in either direction, and



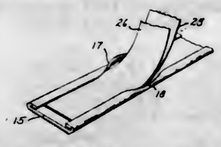
selectively operable means interconnecting said first and second means for operating only said first means or only said second means at any one time, whereby a positive driving connection is always maintained between said steering shaft and said steering linkage while the gear ratio therebetween is selectively changeable.

2,494,739
BALL JOINT
James H. Booth, Corunna, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 24, 1947, Serial No. 781,998
6 Claims. (Cl. 287—90)



1. A joint structure comprising a housing, a stud having an end portion disposed in said housing, a thrust ring disposed about said stud in pivoting relation therewith, a thrust plate disposed in said housing around said stud and a roller bearing assembly disposed between said thrust ring and said thrust plate, said stud being arranged to transmit a thrust load only to said housing.

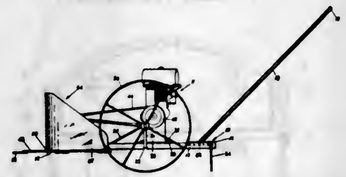
2,494,740
FILM HOLDER
Cormack E. Boucher, Seattle, Wash.
Application May 18, 1948, Serial No. 27,651
4 Claims. (Cl. 250—68)



1. A strip film holder comprising a substantially continuous elongated flexible plastic body member from which desired shorter lengths may be severed for use, said member being of substantially uniform cross-sectional configuration

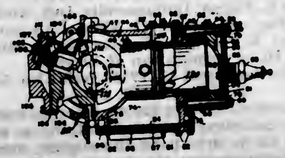
throughout its entire length, said member having a substantially flat upper surface portion, a plurality of closely spaced ribs extending longitudinally of said body member throughout the full length thereof and on the lower surface thereof, a flap extending along each of the opposite longitudinal side edges of said body member and above said upper surface portion, corner hinge portions integrally uniting the adjacent edges of said flaps and said body member, the inner edges of said flaps being spaced widely apart so as to expose said upper surface portion of said body member therebetween, a longitudinal bead extending downwardly from the lower surface of each of said flaps toward said upper surface portion throughout the full length of said flaps, said beads being biased by the resilient preformed set of said hinge portions into substantial engagement with said flat upper surface portion of said body member throughout the full length thereof, said bead being spaced inwardly from the outer edge of said flat upper surface portion.

2,494,741
MOWING MACHINE
Elvin L. Boyd, Dexter, Iowa
Application February 6, 1947, Serial No. 726,856
2 Claims. (Cl. 56—255)



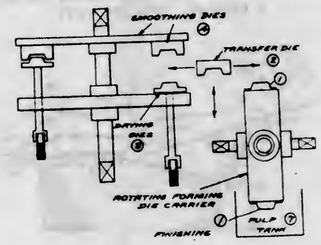
1. A mowing machine comprising a portable frame with longitudinal members connected by means including a brace plate at the forward ends thereof, driving means mounted on the frame, driven means operatively associated with the driving means and including a cutting disc with an upright shaft carried by bearings on said brace plate, the cutting disc being below said brace plate, and an upright shield with an arcuate front portion extending forwardly of said brace plate and with side portions extending rearwardly of the upright shaft and supported by said frame members, said shield having a lower edge substantially in contact with the cutting disc.

2,494,742
ENGINE CONSTRUCTION AND COOLING METHOD
Gilbert E. Buske, Anson Township, Chippewa County, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application February 14, 1947, Serial No. 728,504
16 Claims. (Cl. 123—173)



8. In an outboard motor unit, an internal combustion engine comprising a substantially horizontal water jacketed cylinder having a restricted water outlet adjacent its bottom and a head for said cylinder having a cooling water space extending downward across the outer end of said cylinder, said space opening adjacent its top into the cylinder water jacket adjacent the top of the latter and being otherwise substantially closed thereto and having a water outlet adjacent its bottom, said engine having at one side thereof a water jacketed exhaust chamber with the water jacket thereof opening at its top into said cylinder water jacket and being provided at its under side with a crank shaft bearing opening surrounded by a cooling water channel opening into the exhaust chamber water jacket adjacent the bottom thereof, and means for supplying cooling water to said channel and thence through the exhaust chamber water jacket to said cylinder water jacket comprising a water pump driven by said engine.

2,494,743
MANUFACTURING PULP ARTICLES
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, Portland, Maine, a corporation of Maine
Application April 30, 1942, Serial No. 441,100
4 Claims. (Cl. 92—56)



1. The herein described method of forming molded pulp articles which comprises suction forming an article in one position, inverting the formed article and bringing it into a substantially horizontal position of rest, raising the article vertically, moving the article laterally while maintaining it in its inverted horizontal position into axial alinement with a temporarily stationary drying die, then lowering the article vertically toward the drying die and depositing the article onto the drying die.

2,494,744
GLUE
Moss B. Christian, Tallulah, and Horace F. Ladd, Delhi, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 6, 1948, Serial No. 6,813
6 Claims. (Cl. 106—133)

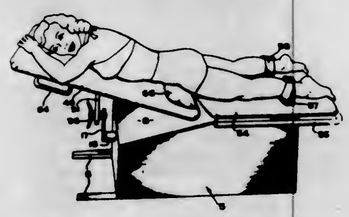
1. A glue especially suitable for uniting paper to wood veneer and adapted to draw the paper into tight intimate contact with the wood which includes the following solids in parts by weight:

68 to 89% fine mesh soya bean flour;
6 to 12% sodium hydroxide;
5 to 20% coal tar hydrocarbon-soluble, gasoline-insoluble resin from southern long-leaf pine.

2,494,745
PREPARATION OF A PENICILLIN-LIKE COMPOUND
Elmer W. Cook, New York, and Samuel Kushner, Nanuet, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 22, 1947, Serial No. 736,582
1 Claim. (Cl. 260—302)

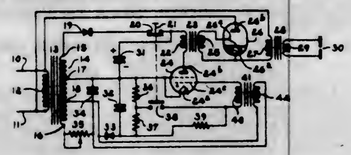
A method of preparing a therapeutically active product which comprises reacting approximately 8.2 parts of acetoxymethylene phenaceturic azlactone and 5 parts of beta-mercaptovaline in a solution of 200 parts of pyridine and 100 parts of water at room temperature for approximately 45 minutes; adding the reaction mixture to a cold phosphate-buffered, aqueous solution at a pH of approximately 3, and extracting the therapeutically active compound with cold chloroform; extracting the compound from the chloroform layer with an aqueous sodium bicarbonate solution at a pH of about 6.2; then removing the aqueous portion thereof by freezing and evaporating the water from the frozen state.

2,494,746
BODY MANIPULATING TABLE
Arthur Larron Colston, Manhattan Beach, Calif.
Application March 18, 1949, Serial No. 82,117
8 Claims. (Cl. 128—46)



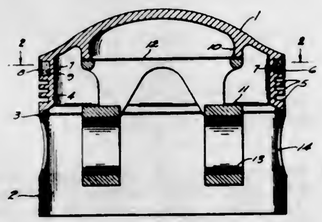
1. A body manipulating table, comprising a fixed horizontal portion, a movable portion having one rotatable end, means for rotating said one end of said movable portion in a circular path, the other end of said movable portion being pivoted adjacent one end of said fixed portion, and means for adjusting the diameter of the path of rotation of said movable portion.

2,494,747
ARC WELDING SYSTEM
Lester D. Drugmand, Greenfield, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 9, 1948, Serial No. 43,317
10 Claims. (Cl. 315—273)



1. In combination, an alternating current source, a capacitor, rectifying means for charging said capacitor with energy from said source and including means affording isolation of said capacitor from said source, a normally non-conducting electron tube having its main electrodes connected to said capacitor and having a control electrode upon which initiation of its conduction is dependent, means deriving energy from said source for supply to said control electrode and limiting to half cycles of given polarity of the voltage of said source, the supply of energy effective to initiate discharge of said capacitor through said tube, the last mentioned means including means to adjust the moment of initiation of conduction of said tube and further including means requiring for initiation of conduction of said tube, isolation of said capacitor from said source, a translating circuit, and energy transmitting means between said source and said translating circuit which is dependent for effectiveness upon discharge of said capacitor and which is self limiting to effectiveness for a single half cycle of voltage of said source.

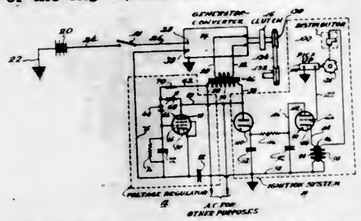
2,494,748
PISTON
Adolph W. Ernestus, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application February 16, 1946, Serial No. 648,189
1 Claim. (Cl. 309—9)



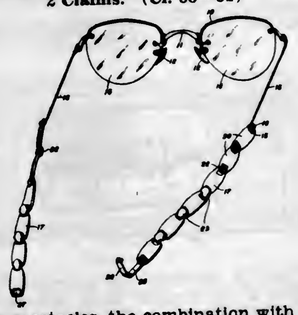
A piston for internal combustion engines and the like comprising a crown and a cylindrical skirt-like side wall depending from said crown, said side wall having a circumferential groove in the outer surface of said side wall and spaced downwardly from the periphery of said crown, said groove constituting a heat dam between the periphery of said crown and said depending side wall, and a thin closure ring of material of low heat conductivity inset into said side wall and extending across the mouth of said groove and spaced downward from the periphery of said crown, said thin closure ring being protected by the periphery of said crown against direct exposure to hot products of combustion above said crown.

2,494,749
ELECTRONIC IGNITION AND GENERATOR CONTROL APPARATUS
William F. Fagen, Indianapolis, Ind., and Charles W. Klug and Arthur C. Allen, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 23, 1945, Serial No. 589,806
8 Claims. (Cl. 290—41)

5. A control system for an internal combustion engine, including in combination, a generator adapted to be driven by the engine, means normally disconnecting the generator from the engine and adapted to connect it to the engine, means for operating the generator as a motor and for producing an output voltage during the starting of the engine, and means energized by said output voltage for supplying ignition pulses to the engine.

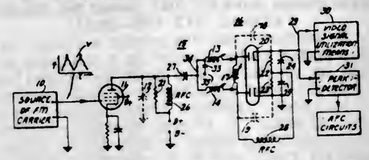


2,494,750
SPECTACLES WITH ORNAMENTAL CHAIN FOR HOLDING THEM IN PLACE
Beatrice Fornicola, Rochester, N. Y.
Application November 12, 1947, Serial No. 785,392
2 Claims. (Cl. 88—51)



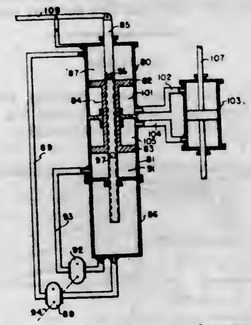
1. In spectacles, the combination with a frame for the lenses, of a pair of relatively straight, rigid temple pieces pivoted at their front ends to opposite sides, respectively, of the frame, an ornamental link chain pivotally connected to the rear ends of the temple pieces, the links of the chain having substantially flat inside surfaces and together forming a smooth inner surface to fit the contour of the head of the wearer, and means for securing the chain behind the nape of the wearer's head to hold the spectacles in place.

2,494,751
ASYMMETRICAL DISCRIMINATOR
William H. Forster, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 10, 1947, Serial No. 733,498
6 Claims. (Cl. 250—27)



1. A band-pass frequency-discriminator circuit comprising: a source of frequency-modulated carrier wave; first and second rectifying detectors, each having at least input and output electrodes; means providing capacitance in shunt with said source; a first inductance coupling said source to an input electrode of said first detector; a second inductance coupling said source to an input electrode of said second detector, said second inductance having a value substantially higher than that of said first inductance and such that the parallel combination of said first and second inductance resonates with said source shunt capacitance at a frequency corresponding substantially to the mid-frequency of said pass-band; means providing capacitance between said input and output electrodes of each of said detectors; a third inductance coupled between the input electrodes of said detectors, said third inductance being of such value that, in shunt with said first and second inductance series connected, said combination of inductances resonates with said last mentioned capacitances at a frequency corresponding substantially to a frequency limit of said pass-band; and means for combining the rectified voltages differentially.

2,494,752
PRESSURE FLUID CONTROL ARRANGEMENT
Carlos H. Gambell, Mulino, Oreg.
Application August 10, 1943, Serial No. 498,064
2 Claims. (Cl. 60—54.5)

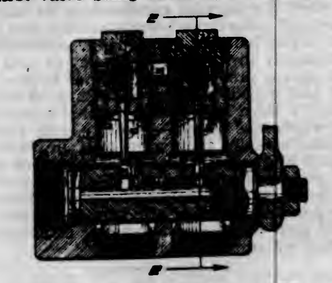


1. In a pressure fluid control arrangement, a cylinder including a pair of opposite end walls and an intermediate wall dividing the cylinder into a pair of chambers, a piston in each of said chambers connected by an axial cylindrical section extending through said intermediate wall, an inlet for pressure fluid adjacent each of said opposite end walls, a manually adjustable stem arranged axially through said cylinder and through said cylindrical section interconnecting said pistons, a pair of discharge ports in said stem, the distance between said ports being slightly greater than the distance between the opposite ends of said pistons, a passage through said stem interconnecting said discharge ports for conveying pressure fluid therefrom to a point outside of said cylinder, a servomotor having a piston therein defining chambers on the opposite sides thereof, and a pressure fluid connection between each of said servo-motor chambers and a corresponding chamber portion between one of said pistons in said cylinder and said intermediate wall.

2,494,753
POWER TRANSMISSION
Duncan B. Gardiner, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 2, 1946, Serial No. 645,078
8 Claims. (Cl. 277—20)

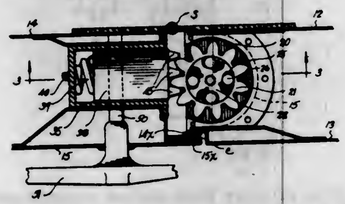
7. A directional control valve including a first stationary valve seat member, a second rotatable

valve seat member, a unitary valve member for controlling the flow of fluid through said seats comprising a stem, and a first valve and a second valve connected at opposite ends of said stem, said first valve being normally biased upon said



stationary seat with the stem being inserted through said seat, and means for rotating the second valve seat in one direction away from the second valve for unseating the second valve and in another direction towards the second valve for seating and shifting the second valve.

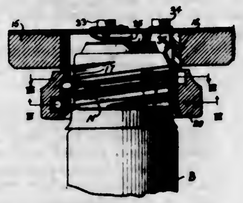
2,494,754
LOCK
Walter B. Goughnour, Seattle, Wash.
Application April 29, 1946, Serial No. 665,841
2 Claims. (Cl. 292—159)



1. A door locking mechanism comprising a bolt guide housing adapted for mounting in the swinging edge of a hinged door, a bolt slidably mounted in said housing and having a plurality of gear teeth on one end thereof adapted for intermeshing with a keeper member in the form of a one-way clutch gear wheel, spring means acting against the bolt and normally retaining the toothed end thereof extended from the housing, and manually operated means for retracting the bolt from the gear for opening the door; said gear teeth of the bolt being formed on a pitch circle that centers in the hinge axis of the door mounting the bolt, and an adjustable stop for determining the extended position of the bolt.

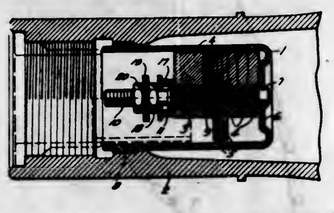
2,494,755
QUICK DISCONNECT SOCKET
Lyndon V. Grover, Los Angeles, Calif.
Application November 1, 1946, Serial No. 707,303
3 Claims. (Cl. 173—358)

1. An electrical socket for a lamp bulb having a threaded neck, comprising a tubular member having apertures through the wall thereof spaced both circumferentially and axially of the member, the axial spacing being in keeping with the pitch of the threads on the neck of the bulb to be carried, a holding element lodged in each of said apertures, an annular member moveable on said tubular member and having a recess varying in depth for each said holding member, and resilient means urging said annular member into



a position with the shallower parts of said recesses contacting said holding elements.

2,494,756
BALANCE ASSEMBLY FOR PROPELLER BLADES
Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 26, 1945, Serial No. 584,839
2 Claims. (Cl. 170—159)

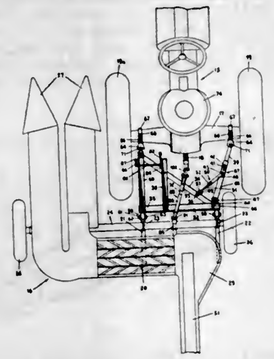


1. A balance assembly for a propeller blade, comprising a cup member to be secured within the root of said blade, a post extending inside the cup centrally thereof, a plurality of cam weights radially interlocked to said post at the proper angular position to effect vertical and horizontal balance of the blade, washer weights disposed on said post adjacent said cam weights to effect horizontal balance of the blade, means secured on said post to hold the cam weights and washer weights in place against longitudinal movement and add horizontal weight to the blade to improve the horizontal balance thereof, and a nut and washer secured on the outer end of said post to effect fine horizontal balance after initial horizontal balance has been obtained by the weights originally disposed on said post.

2,494,757
TRACTOR HITCH
Peter F. Hansen, Independence, Iowa
Application April 12, 1946, Serial No. 661,611
2 Claims. (Cl. 280—33.44)

1. A tractor hitch comprising a frame structure adapted to be pivoted on a machine to be pulled for pivotal up and down movement about an axis extended transversely of said machine, a first forwardly extended hitch member on said frame structure, a second forwardly extended hitch member arranged on said frame structure oppositely from and in a spaced relation with said first hitch member, means for contracting and extending said second hitch member, means movably supporting said second hitch member on said frame structure for pivotal up and down and horizontal movement relative to said first hitch member, and means for holding said second hitch

member against horizontal movement, with the front ends of said two hitch members being

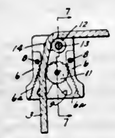


adapted for connection with a tractor at transversely spaced positions thereon.

2,494,758
CONDENSATION OF ALDEHYDES WITH AROMATICS OR THIOPHENES IN THE PRESENCE OF GLAUCONITE
Howard D. Hartough, Pitman, and John J. Sardella, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 26, 1946, Serial No. 665,315
6 Claims. (Cl. 260—67)

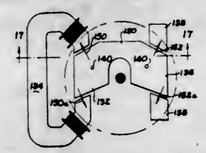
1. A method for producing sub-resinous and resinous materials which comprises reacting aromatic hydrocarbons with formaldehyde in the absence of a substantial amount of water, in the presence of glauconite, at temperatures of about 150 to about 500 degrees Fahrenheit and at autogenous pressures.

2,494,759
CORD LOCK
Charles Hirschy, Los Angeles, Calif., assignor to Advance Metal Products Company, Los Angeles, Calif., a corporation
Application December 19, 1947, Serial No. 792,678
4 Claims. (Cl. 24—136)



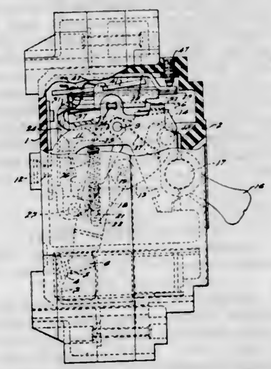
4. A cord lock for Venetian blinds reversely mountable on either end of a head rail, comprising a casing having spaced sides and ends open at top and bottom so pull cords may pass therethrough, a guide roller rotatively mounted between and on the sides adjacent the top of the casing, the sides of the casing having horizontal slot mounting means for end portions of the guide roller enabling horizontal shifting of the latter to positions of operating rotations at either of opposite ends of the slot mounting means, a peripherally toothed cord clutch roller having trunnions and mounted between the sides of the casing, the sides of the casing each having an inverted V-shaped slot formed therein, said V-slots arranged opposite one another and each receiving a trunnion of the cord clutch roller, the trunnions of the clutch roller being movable downwardly and upwardly in either set of corresponding inclined sides of the V-slots for camming and uncamming actions relative to the portions of the V-slots engaged thereby, and each end of the casing having an inner toothed camming portion, parallel with the inclinations of the adjacent sides of the V-slots, for engaging the clutch roller teeth on movement of roller in the direction of and adjacent to such end.

2,494,760
VIBRATOR TYPE MOTOR
James M. Hush and David E. Bench, Dayton, Ohio, assignors to Hansen Manufacturing Company, Princeton, Ind., a corporation of Indiana
Application May 14, 1948, Serial No. 27,036
6 Claims. (Cl. 172—126)



1. In an electric motor; a C-shaped magnetic frame and a coil thereon to establish a pulsating magnetomotive force between the poles of the frame, a polarized armature having one pole thereof between the poles of said frame, soft iron members adjacent the other pole of said armature, and resilient means supporting said armature for movement thereof in its plane but preventing rotational movement of the armature.

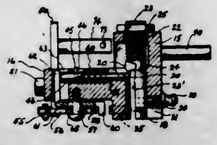
2,494,761
THERMAL-MAGNETIC CIRCUIT BREAKER
John G. Jackson and Ralph H. Kingdon, Detroit, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application May 17, 1948, Serial No. 27,556
7 Claims. (Cl. 200—88)



1. In an automatic electric circuit breaker having separable contacts and means releasable to

effect separation of said contacts, a pivotally mounted magnetic yoke, means energizing said magnetic yoke in accordance with the current flowing through the breaker, a resilient latch mounted on said magnetic yoke and carrying a latching surface movable relative to said yoke and engaging said releasable means, a magnetic armature pivoted on said magnetic yoke and having a part engageable with said resilient latch to move the latching surface relative to the yoke into unlatching position when the armature is attracted to the yoke upon the occurrence of heavy overload and short circuit currents, and a bimetallic member heated in accordance with the current flowing through the breaker and positioned to move the yoke and the latching surface bodily as a unit into unlatching position as the bimetallic member flexes under heat due to the passage of sustained moderate overload currents.

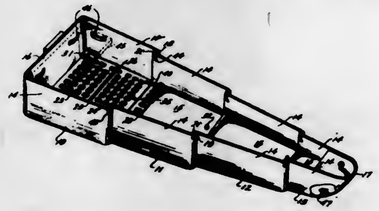
2,494,762
SAW SET
Jens A. Jensen and Cecil A. Russell, Seattle, Wash.
Application September 22, 1947, Serial No. 775,410
3 Claims. (Cl. 76—68)



1. A saw set of the character described comprising a block formed across its under side with a longitudinal solt for the reception of the toothed edge of a saw blade therein and providing for movement and guided travel of the block along the blade, an anvil bolt mounted for up and down adjustment in the block at one side of the slot and having a beveled surface against which the teeth of the saw blade may be set, a tooth setting hammer reciprocally movable in the block at the other side of the slot, a spring acting against the hammer to yieldingly retain it out of contact with the saw teeth, a hand lever pivoted on the block for oscillatory action in the longitudinal direction of the block, an indexing pawl mounted on the block for reciprocal movement and adapted to engage with teeth of the saw for the advancement of the block along the saw blade, a link connecting the hand lever with the pawl for its actuation when the hand lever is swung in one direction, a slide mounted in the block for functional actuation of the hammer, and linkage connecting the hand lever and slide for the actuation of the hammer during retractive movement of the pawl.

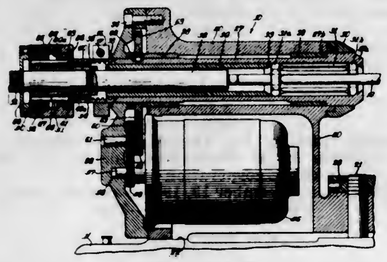
2,494,763
COLLAPSIBLE BOAT
Clarence R. Jones, Dayton, Ohio
Application December 23, 1946, Serial No. 718,019
13 Claims. (Cl. 9—2)

13. A collapsible boat comprising an elongate body divided transversely into a plurality of sections, each section having a bottom wall and upright side walls, and the front and rear sections having respectively a front wall and a rear wall, said sections decreasing in width progressively from one end of said body to the other end thereof to enable each smaller section to be moved longitudinally into the adjacent larger section, the bottom and side walls of adjacent sections having at the adjacent ends thereof opposed parts arranged to have interlocking engagement when said sections are fully extended, sealing means between said interlocking parts, and a floor board having members hinged one to the other on an axis transverse to said body



and adapted to be interposed between opposed parts of two of said sections, said members being movable longitudinally of said body with relation to said sections and of such dimensions that when moved into a common plane they will have abutting engagement with said opposed parts of said sections and exert pressure thereon in opposite directions to establish rigid sealed connection between said sections.

2,494,764
CONTROL MECHANISM FOR CHUCKS
John J. Jursinovic, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Aurora, Ill., a corporation of Delaware
Application July 3, 1948, Serial No. 36,948
11 Claims. (Cl. 279—50)



7. In a chuck having a clamping means adapted to be clamped and unclamped about an element, a clamping control mechanism comprising movable thrust means adapted upon movement thereof to bear at one end against said clamping means to effect clamping movement thereof and having a threaded portion adjacent the other end thereof, a fixed threaded supporting portion, and an annular, rotatable control collar having one internally threaded portion in threaded engagement with said fixed threaded portion and another internally threaded portion in threaded engagement with the threaded portion of the thrust means, and locking means extending between said fixed threaded portion and said thrust means for preventing relative rotative movement therebetween but permitting longitudinal movement of said threaded portion of the thrust means toward and away from said fixed portion, said control collar upon rotation thereof in one direction being adapted to be moved toward the clamping means and said thrust means upon said rotation of said control collar being adapted to be moved in said same one direction relative to and ahead of said control collar for effecting clamping movement of the clamping means.

2,494,765
CHEMICAL ERASING OF PHOTOGRAPHIC SILVER IMAGES
John F. Kienast, River Edge, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
No Drawing. Application November 10, 1944, Serial No. 562,916
7 Claims. (Cl. 95—88)

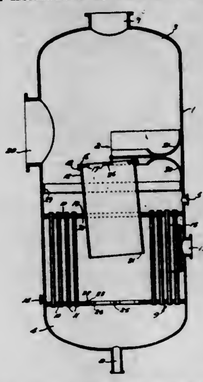
1. The process for erasing silver images on bases which comprises applying to that portion of the image which is to be erased a solution containing between 3 and 50% of cupric chloride and from 25 to 5% of ammonium chloride, treating the area to which the cupric chloride solution was applied with a substantially saturated solution of thiourea and removing the resulting solution.

2,494,766
MILLING ISOBUTYLENE-MULTIOLEFIN COPOLYMER SYNTHETIC RUBBER PRIOR TO CURING
Irving E. Lightbown, Westfield, N. J., and William J. Sparks and Robert M. Thomas, Baton Rouge, La., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application December 17, 1947, Serial No. 792,334
7 Claims. (Cl. 260—85.3)

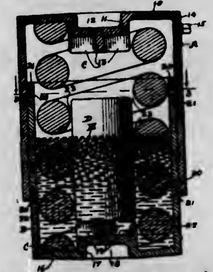
1. In a process for preparing a solid plastic curable hydrocarbon interpolymer of a major proportion of isobutylene with a minor proportion of an aliphatic multi-olefin having from 4 to 14 inclusive carbon atoms per molecule at a temperature within the range between —40° C. and —164° C. in the presence of a polymerization catalyst comprising a Friedel-Crafts active metal halide in solution in a low freezing non-complex forming solvent, the step of milling the curable polymer in the absence of a vulcanization aid at a temperature within the range between 150° C. and 200° C. for time intervals from 5 minutes to 30 minutes under milling pressures great enough to effect a rapid breakdown of caoutchouc and thereafter curing the polymer in the presence of a vulcanization aid, the milling step serving to prevent the development of blisters upon subsequent curing.

2,494,767
REMOVABLE VERTICAL TUBE EVAPORATOR
Edwin H. Lindsay, Waukesha, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 2, 1945, Serial No. 586,065
2 Claims. (Cl. 159—27)

2. In a heat evaporator unit having a generally thin outer shell, a deflector member secured within said shell and dividing the same into an upper chamber and a lower chamber, a manhole in said shell above said deflector, a tube bundle disposed in said lower chamber and secured to said shell, and a removable downcomer shell disposed centrally within said tube bundle and supported thereby, said deflector comprising complementary sections hinged together in a manner to enable one section to be folded back upon the other section for the operator to gain access through said manhole to the downcomer for removal of the same in order to clean said tube bundle.



2,494,768
SHOCK ABSORBER
John H. Link, Merion Station, Pa., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 8, 1945, Serial No. 627,330
8 Claims. (Cl. 267—8)



1. In a shock absorber, the combination with a tubular casing open at one end and closed at the other end; of a second tubular casing open at one end and closed at the other end, said second named casing being telescoped within the open end of the first named casing, said casings being relatively movable lengthwise toward and away from each other; a fluid within said second named casing; a coil spring within said casings yieldingly opposing relative approach thereof, said spring loosely fitting said second named casing to provide restricting passages for said fluid between the outer side of the spring and the side wall of said second named casing; and a plug loosely fitting the interior of the coil spring, said plug being movable lengthwise with respect to both casings.

2,494,769
WET BULB THERMOMETER
Charles A. Mabey, Woodbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application February 17, 1945, Serial No. 578,439
4 Claims. (Cl. 297—2)

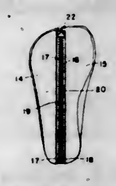
1. A wet bulb thermometer comprising a thermometer bulb, a porous metal sleeve covering said

bulb at one end and extending beyond the other end of said bulb, and fluid-circulation-inhibiting



fibrous material within the portion of said sleeve which extends beyond said other end of said bulb.

2,494,770
FOOTWEAR AND NOVEL CLOSURE THEREFOR
Robert E. MacLaughlin, Rochester, N. H.
Application April 26, 1949, Serial No. 89,728
5 Claims. (Cl. 36—2.5)



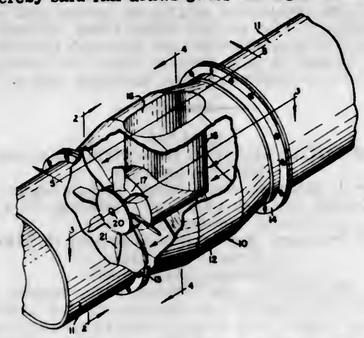
1. An improved article of footwear of the kind described, comprising upper materials and two sole elements extending longitudinally and with abutting marginal portions detachably united.

2,494,771
PHOSPHATIDE COMPOSITION AND SHORTENING AND METHODS FOR MAKING SAME
Max C. Markley, St. Paul, Minn., assignor to Cargill, Incorporated, Minneapolis, Minn., a corporation of Delaware
No Drawing. Application January 30, 1947, Serial No. 725,279
12 Claims. (Cl. 99—118)

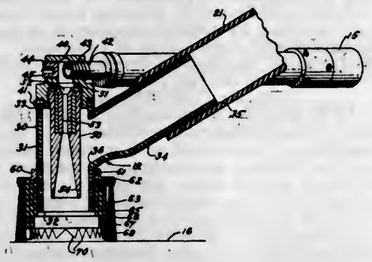
1. An improved stably fluid composition comprising 2% to 70% phosphatides, .1% to 1.2% of an aliphatic organic acid selected from the group consisting of oleic acid and sorbic acid and the balance an edible vegetable oil which composition remains homogeneous and relatively free flowing over a wide temperature range.

2,494,772
DUCT BOOSTER
Roy H. McElroy, Dayton, Ohio, assignor to International Engineering, Inc., Dayton, Ohio, a corporation of Ohio
Application January 9, 1947, Serial No. 721,089
3 Claims. (Cl. 230—117)

1. A gas circulating unit comprising, a housing through which gases may be conducted, a fan in the housing for moving gases through said housing, an enclosure within said housing on the low pressure side of said fan, means connecting the interior of said enclosure with the exterior of said housing whereby gases exteriorly of the housing can enter said enclosure, a motor within said enclosure and forming therewith a part of the wall of the enclosure adjacent said fan on the low pressure side thereof, said motor having the drive shaft thereof extending through said wall into the housing and carrying said fan, and passage means in said motor through which gas from said enclosure can be circulated, said passage means terminating in the wall of said motor that forms a part of the wall of said enclosure adjacent said fan on the low pressure side thereof whereby said fan draws gases through the housing and through said motor and said wall from said enclosure.



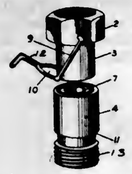
2,494,773
SURFACE TREATING APPARATUS
William H. Mead, Oakland, and Andrew C. Buchan, San Francisco, Calif., assignors, by mesne assignments, to said Mead
Application November 13, 1948, Serial No. 59,924
5 Claims. (Cl. 51—8)



1. In an operating head for a blast-impelling, suction-removing, surface-treating apparatus, said head including a hollow housing open at its lower end where it faces the work surface, the bore of said housing also being in communication with a suction line and having means therein connected with a blast line and for directing said blast out through said lower end, the combination therewith of a circular brush secured around the lower end of said housing to provide a maze-like, air-permeable, impeding means and an inner impermeable member secured around said housing between said housing and said brush, said member having air passages through its lower periphery.

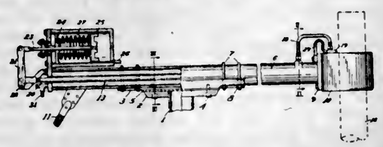
2,494,774
HOSE COUPLING
Harry M. Messick, Springfield, Ohio
Application November 2, 1946, Serial No. 707,452
5 Claims. (Cl. 285—172)

1. A hose or pipe coupling including two telescopically engageable conduit sections engageable respectively with supply and discharge conduits, an internal shoulder within one of said conduit sections, an external shoulder upon the other of said conduit sections, upon which the sections terminally abut one upon the other, a pair of internal shoulders within the respective conduit sections relatively spaced at opposite sides of the abutting internal joint between the telescopically engaged conduit members, a cylindrical resilient tube interposed in abutting relation within the last mentioned relatively spaced shoulders, the



internal diameter of said tube being equal to the internal diameter of said shoulders, said tube extending in overlapping relation with the respective conduit sections at opposite sides of the abutting internal joint therebetween and subject to the expansive influence of fluid under pressure passing through the coupling.

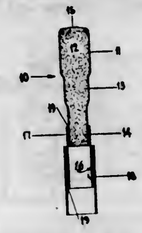
2,494,775
ARC ELECTRODE SUPPORT
William E. Moore, Pittsburgh, Pa., assignor to Delaware Engineering Corporation, Pittsburgh, Pa., a corporation of Delaware
Application January 31, 1946, Serial No. 644,583
8 Claims. (Cl. 13—14)



5. An electrode support for electric furnaces, including a pair of tubes arranged one inside the other, the outer tube constituting an electrode supporting arm, the inner tube constituting a guide tube, a push rod slidable in the guide tube, one of said tubes being formed of electrically conducting material for carrying current to the electrode, and a diaphragm extending longitudinally of the tubes and connected to the two tubes so as to divide the outer tube into two water-circulating compartments, an electrode clamp at one end of the arm, a movable electrode clamping shoe in the clamp, said push rod extending through the guide tube and being connected at one end with the movable shoe.

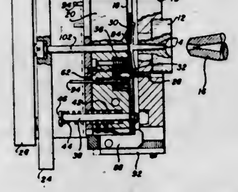
2,494,776
EXTENSIBLE CIGARETTE
Arthur L. C. Moss and Robert H. Goldsmith, New York, N. Y.
Application April 6, 1945, Serial No. 586,974
2 Claims. (Cl. 131—11)

1. In an extensible cigarette having a wrapper portion of main diameter and wrapper portions of reduced diameters, a tubular mouthpiece, and an elongated foldable tubular connecting member having an end portion adhesively secured at one end to said wrapper and an end portion adhesively secured to said mouthpiece, said mouthpiece in unextended position surrounding said reduced portions of said cigarette, the length of said mouthpiece being equal to the combined lengths of said reduced portions, said mouthpiece in extended position providing means for supporting said cigarette with said wrapper substantially fully exposed and thereby augmenting the smoking capacity of said cigarette, said reduced diameter cigarette portions permitting said main diameter cigarette portion and said mouthpiece to



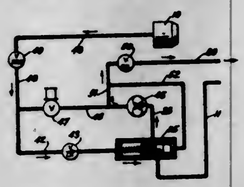
be of the same diameter, whereby said cigarettes may be stored in boxes adapted for said main diameter portion of said cigarettes, and said connecting member in folded position lying wholly within the length of the smallest reduced diameter portion of said cigarette.

2,494,777
INJECTION MOLD WITH SPRUE SEVERING MEANS
Everett M. Patterson, Watertown, and Francis R. McAloon, Waterbury, Conn., assignors to The United States Time Corporation, Waterbury, Conn., a corporation of Connecticut
Application August 21, 1946, Serial No. 691,970
2 Claims. (Cl. 18—42)



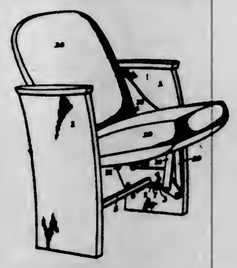
1. In a molding die construction, the combination of three die members, two of said die members being formed to define a mold cavity for molding an article and one of said two and the third die member being formed to define a gate entering said mold cavity, means operable to hold said two die members together while said third die member is movable away therefrom, a severing member disposed with a portion movable into engagement with the juncture of said gate and cavity to sever a molded gate from a molded article, means comprising a cam and cam actuating means interconnected one with said severing member and the other with said third die member and operable during movement of the latter away from said two die members to actuate said severing means while the latter are held together, whereby the molded gate is severed and moved by said severing member away from the molded article while the latter is retained within the mold cavity, and means operable to subsequently separate said other two die members to permit removal of the molded article from the mold cavity.

2,494,778
SHUTDOWN SYSTEM FOR OIL BURNERS
Raymond B. Plass, Berkeley, Calif., assignor to Ray Oil Burner Co., San Francisco, Calif., a corporation of Delaware
Application January 28, 1946, Serial No. 643,895
1 Claim. (Cl. 158—36.3)



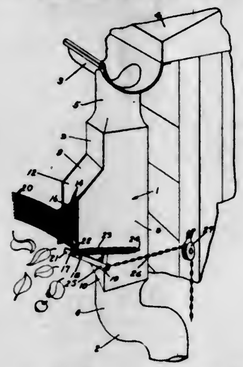
In an oil burner which includes a burner tip, motor driven pump means for directing oil from a source of supply to the tip, a conduit from the pump means to the tip, and a valve in said conduit arranged to be closed upon deenergization of the motor, a first fuel passage between the source of supply and the intake of the pump means, a second fuel passage between the burner tip and the intake of the pump means, a pressure actuated valve normally opening the first fuel passage and closing the second fuel passage and operable by pressure to close the first fuel passage and open the second one, a pressure line for communicating valve actuating pressure from said conduit at a point between the pump means and the first named valve to said pressure actuated valve, whereby upon deenergization of the motor the latter valve will be operated to open communication between the intake of the pump means and the burner tip and the coasting action of the pump will withdraw oil from the burner tip, and means for discharging oil pumped during said coasting action toward the source of supply.

2,494,779
RETRACTING TYPE THEATER CHAIR
Joseph G. Prosser and Thomas W. Prosser, Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application June 26, 1946, Serial No. 679,361
5 Claims. (Cl. 155—116)



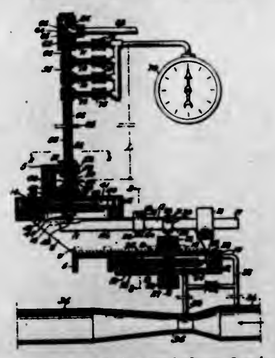
1. In a chair, a frame, opposite pairs of side plate supporting links having their lower ends pivotally connected to the frame, side plates mounted on the upper ends of said supporting links for forward and rearward movements with said links, a chair back mounted on the side plates, seat carriers having their rearward ends pivotally connected to the side plates, independent seat supporting links having their lower ends pivotally connected to the frame and their upper ends pivotally connected to the seat carriers, a chair seat mounted on the seat carriers, and stop means for limiting the forward and rearward movements of the side plates.

2,494,780
DOWNSPOUT STRAINER
William B. Schmidt, Hutchinson, Minn.
Application September 20, 1947, Serial No. 775,337
1 Claim. (Cl. 210—90)



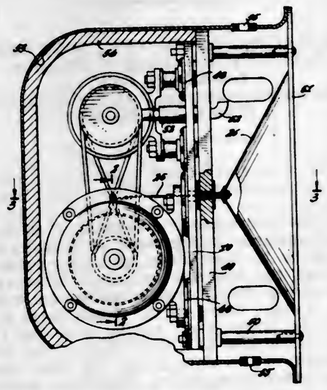
In a device of the class described, a casing having an inlet and an outlet at its top and bottom respectively, a discharge opening at one side thereof, a plurality of laterally-spaced strainer rods extending diagonally downwardly across said casing and terminating outwardly of said discharge opening and above the bottom thereof, a comb element mounted within the casing below said rods for partial rotation about a horizontal axis extending transversely of said rods, said comb element having teeth which are staggered with respect to the strainer rods, said teeth being of a thickness and longitudinal dimensions to pass upwardly through said strainer rods and outwardly through said discharge opening, and means biasing the teeth of said comb element to a position below said strainer rods.

2,494,781
FLUID METER
Emory Frank Stover, Wynnewood, Pa.
Application September 29, 1944, Serial No. 556,378
25 Claims. (Cl. 73—205)



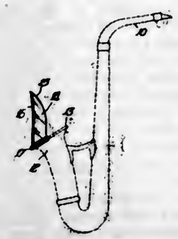
1. A meter comprising a tube adapted for producing laminar flow of fluid and for producing a friction loss which is a first power function of said flow, means for controlling the delivery of fluid to said tube, means actuated by the flow of said fluid through the tube for producing a pressure proportional to the square of said flow, means for opposing said pressure by a force to be measured, and separate fluid pressure responsive means connected to said tube for measuring the friction loss through said tube.

2,494,782
EDDY CURRENT LOUD-SPEAKER
Joseph W. Suydam, Blue Point, N. Y.
Application May 22, 1948, Serial No. 28,674
15 Claims. (Cl. 179—108)



14. An eddy current loud speaker comprising a rotor having magnets thereon, a loud speaker diaphragm, a cylinder coaxial with and radially spaced from said rotor, a rigid member connecting the periphery of said cylinder with said diaphragm, means for continuously rotating said rotor, and means for varying the magnetism of said magnets.

2,494,783
REFLECTOR FOR MUSICAL WIND INSTRUMENTS
Owen C. Swihart, South Bend, Ind.
Application April 27, 1948, Serial No. 23,580
5 Claims. (Cl. 84—385)

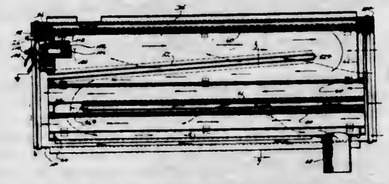


1. A sound reflector for musical wind instruments comprising a shield of a semi-cylindrical formation on a transverse cross-section, and means at one end of said shield for disengageably attaching the same to the bell of the instrument.

2,494,784
BRIQUETTE FOR DESALTING SEA WATER
Howard L. Tiger, Hewlett, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 16, 1944, Serial No. 568,563
2 Claims. (Cl. 252—175)

2. A briquette consisting essentially of silver alumino silicate and a disrupter capable of disintegrating said briquette quickly when said briquette is immersed in seawater and comprising wilkinite, said wilkinite being in the amount of 1 to 2½% of the total weight of the briquette and substantially all of said wilkinite being of a particle size which passes through a 50 mesh sieve and is retained on a 140 mesh sieve, and said briquette containing from 2 to 8% moisture.

2,494,785
HEAT EXCHANGER AND COMBUSTION CHAMBER CONSTRUCTION FOR INTERNAL-COMBUSTION AIR HEATERS
Vernon N. Tramontini and George W. Allen, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 14, 1946, Serial No. 647,596
5 Claims. (Cl. 126—109)



1. In a heater of the character described, means forming an elongated combustion chamber having vertically elongated side and end walls, a series of hollow baffles extending between said side walls longitudinally of said combustion chamber from said end walls and arranged to define a continuous tortuous passageway through the combustion chamber, said baffles being open to the exterior of the combustion chamber along said side and end walls, means forming an inlet adjacent one end of said passageway through which fuel and air are adapted to be supplied, an exhaust outlet for products of combustion adjacent the opposite end of said passageway, a jacket disposed in spaced relation to the side walls of said combustion chamber to define a ventilating air passageway surrounding the same, said jacket and end walls defining intake and outlet chambers at opposite ends of said combustion chamber and said hollow baffles being supplied with a flow of ventilating air through the open ends and sides thereof, and a plurality of tubes extending longitudinally of said passageway and supported adjacent opposite ends in said end walls, said tubes opening at opposite ends into said intake and outlet chambers to adapt the same for the passage of ventilating air therethrough.

2,494,786
BEADED WELTING
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership
Application March 26, 1949, Serial No. 83,659
3 Claims. (Cl. 12—146)

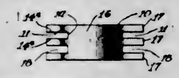
1. A method of making two-unit beaded welt-

ing, which consists in skiving a relatively thin and narrow ribbon from the grain surface of a standard, beveled Goodyear welt strip, adjacent the beveled edge thereof, to provide a base unit having a roughened band on its top surface along said edge; making a deep, vertical incision through the top grain surface of a leather strip



of substantially rectangular cross-section adjacent and parallel to one edge of said strip, to produce a flexible lip; spreading said incision to bend the lip downwardly, thereby providing a bead unit; and cementing the base of the bead unit and the outer face of said lip to the roughened band and beveled edge, respectively, of said base unit.

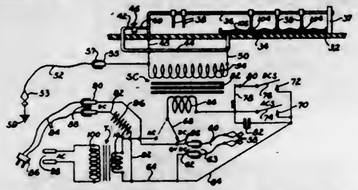
2,494,787
PISTON RING EXPANDER
Guy F. Wetzel, Park Ridge, Ill.
Application April 15, 1947, Serial No. 741,576
2 Claims. (Cl. 29—222)



1. A piston ring expander comprising, an elongated body having a notch at each end, said notches being aligned longitudinally with respect to each other, each notch having a transversely extending shoulder at its inner end, and an outwardly extending surface normal to said shoulder, said expander being adapted to be inserted between the ends of an expanded piston ring with the ends of the ring received in said notches and abutting respective ones of said shoulders, said guide surfaces adapted to abut one of the transversely disposed faces of the ring adjacent the respective ends of the ring, said guide surfaces having substantial length whereby to maintain the end portions of the ring in alignment with respect to each other while the ring is in expanded condition, a longitudinally intermediate portion of said body being curved outwardly away from the axis of the ring and being curved about an axis parallel with the axis of the ring, said curvature insuring clearance for the ring and expander in placing the ring over a piston, one end of said body being bent outwardly in a direction away from the outer surface of the ring, for engagement by a finger for removing the expander from engagement with the ring.

2,494,788
DEMONSTRATING DEVICE FOR SPARK PLUGS
Guy F. Wetzel, Park Ridge, Ill.
Application July 31, 1948, Serial No. 41,877
4 Claims. (Cl. 35—13)

1. A demonstrating device for spark plug action comprising, a source of high-tension current, a pair of electrodes spaced from each other to provide a high-tension spark gap and other electrodes spaced from each other to provide at least one non-sparking gap in parallel with said first pair of electrodes and of greater spacing than said first pair, one electrode of the non-sparking gap comprising an element adapted to contain non-conducting liquid to be impinged by the discharge from the other non-sparking electrode to demonstrate the presence of a corona discharge



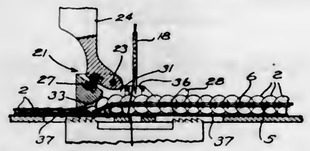
by disturbing the surface of said liquid in addition to a visible spark across said first pair of electrodes.

2,494,789
SELF-GAGING BEVEL WING BUTT HINGE
John White and George D. Manville, Los Angeles, Calif.
Application November 30, 1945, Serial No. 631,897
4 Claims. (Cl. 16—128)



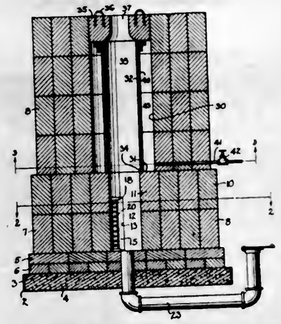
1. A butt type hinge composed of a pair of leaves marginally interpivoted and having plane outer faces to seat flush with structural-part faces and the opposite or inner faces of the leaves having setting stops to engage faces which are at a right angle to the front faces of the leaves; the leaves each having a wedge cross-section convergent to a thin edge at the swinging margin of the leaf so that the inner face of the leaf diverges as to the outer face thereof.

2,494,790
SEWING MACHINE
Ben Zahler, New York, N. Y., assignor to Columbia Blind Stitch Machine Mfg. Corp., New York, N. Y., a corporation of New York
Application January 14, 1947, Serial No. 722,050
1 Claim. (Cl. 112—235)



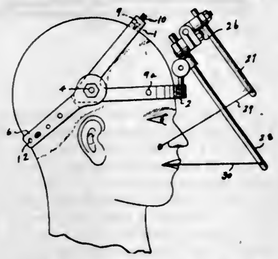
For a sewing machine of the kind described, a presser foot for use in sewing strung spangles to a fabric, which presser foot comprises an inclined bifurcated toe portion, a heel portion having a recess in the face thereof adapted to receive strung spangles in flatwise relation, and a central portion having a needle opening therethrough, a recess in the face thereof to the rear of the needle opening and a slot extending from the toe portion past the needle opening to the recess at the rear of the needle opening, the slot being adapted to receive strung spangles in edgewise relation and the recess behind the needle opening terminating in a rear wall extending to the recess in the heel portion and inclined transversely and longitudinally of the presser foot, whereby strung spangles entering the recess behind the needle opening in edgewise relation are turned in contact with the rear wall into flatwise relation.

2,494,791
OXIDATION OF THE HARDENED INNER SURFACE OF A PUMP LINER TO FACILITATE ITS REMOVAL FROM THE LINER
Roman F. Arnoldy, Houston, Tex.
Application October 29, 1943, Serial No. 508,266
1 Claim. (Cl. 148—13.1)



In the process of removing the boron-carbide hard surfacing from the inner periphery of the boron bearing base metal of a pump liner the steps of, heating the liner to approximately 2000° F, and passing air, heated to approximately the same temperature, through the inside of the liner for approximately forty minutes, whereby the carbide is converted to an oxide which can thereafter be readily removed.

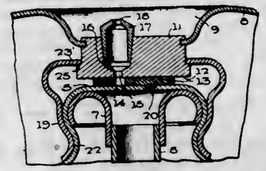
2,494,792
SKULL CLAMP
Frederick A. Bloom, Houston, Tex.
Application March 3, 1947, Serial No. 732,094
2 Claims. (Cl. 128—92)



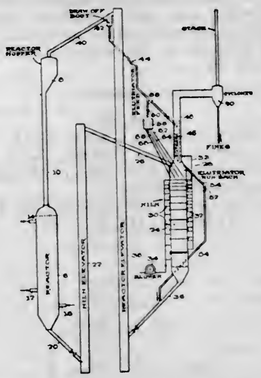
1. An appliance of the character described comprising, a main clamp shaped to partially surround the skull of a patient, clamping arms adjustably connected to the ends of the main clamp and skull pins adjustably mounted on the main clamp and clamping arms whose inner ends are pointed to penetrate to, and to engage, the skull bone of a patient.

2,494,793
VALVE MEANS FOR SPRAYING DEVICES
Carsten F. Boe, Wooddale, Del.
Application November 13, 1945, Serial No. 627,994
6 Claims. (Cl. 222—394)

3. A dispensing device comprising a container for liquids, said container having a neck portion extending from one end thereof, the outer end of said neck portion being closed except for a discharge aperture, a valve member rotatively mounted relative to said neck portion, said valve member having a passage therethrough, said aperture and said passage being so positioned, relatively, that they may be brought into and out of alignment by rotative movement of the valve member relative to said neck portion, and a ferrule of resilient spring material connected to said neck portion and extending coaxially therewith and outwardly therebeyond in the direction of said valve member, the outer end of said ferrule being bent inwardly over a portion of the valve member and bearing against the latter to urge it in a direction to cause it to bear against the closed end of said neck portion.

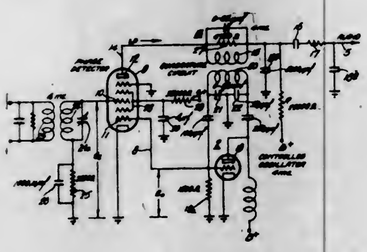


2,494,794
PROCESS OF HYDROCARBON TREATMENT AND REGENERATION
William S. Bonnell, Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 5, 1948, Serial No. 534
4 Claims. (Cl. 196—52)



1. In the process of cracking a hydrocarbon oil by contacting vapors thereof with heated catalyst pellets moving downwardly by gravity through a reactor followed by regeneration of the catalyst pellets by introducing them into the top of an approximately vertical regenerator through which they pass downwardly by gravity while at elevated temperature and while in contact with oxygen containing gas, the improvement which comprises introducing previously regenerated catalyst pellets into the regenerator against the top of a wall of the regenerator which during regeneration becomes overheated whereby the regenerated catalyst pellets flow downwardly along the wall of the regenerator which tends to become overheated and due to the lack of combustible material thereon cause a reduction in the temperature of the regenerator wall.

2,494,795
FREQUENCY-DETECTOR AND FREQUENCY-CONTROL CIRCUITS
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 3, 1945, Serial No. 576,057
25 Claims. (Cl. 250—27)



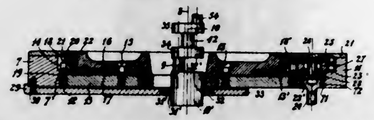
1. In a frequency modulation detector circuit, a source of frequency-modulated carrier signals, a phase detector tube having a pair of control grids and having both radio frequency and audio frequency output circuits, a vacuum tube oscillator having a tunable tank circuit, means coupling said source of signals to one of said control grids, means coupling said oscillator to the other of said control grids, means coupling said radio frequency output circuit to said oscillator tank circuit, the coupling circuits interconnecting said phase detector and said oscillator including a phase shifting network constructed and arranged to shift the phase of the transmitted voltage by substantially 90°.

2,494,796
INFLATABLE GAME BALL
William T. Brown, West Suffield, Conn., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass., a corporation of Delaware
Application June 27, 1946, Serial No. 679,850
3 Claims. (Cl. 273—65)



1. An inflatable game ball comprising a hollow inner member of stretchable bias-cut woven fabric, an inflated bladder therein; a layer of reinforcing cord wound around said inner member substantially covering the same and impregnated with cement to secure said layer to said inner member, a superposed layer composed of a plurality of bias-cut sections of stretchable woven fabric secured to the outer surface of said layer of cord; and a cover comprising a layer of rubber overlying the latter layer of stretchable fabric.

2,494,797
LATHE
Ettore Bugatti, Paris, France
Application December 27, 1945, Serial No. 637,316
In France March 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 1, 1964
14 Claims. (Cl. 82—20)



1. A work machining unit which comprises the combination of a frame having a bore therein; a rotary plate revolubly borne in the bore of said frame having substantially radial recesses opening into a central recess of said plate; a plurality of tool-holders each of which is slidably held for radial movement in one of said substantially radial recesses; rotary camming means revolubly supported from said frame in said bore thereof operatively engaging said tool-holders for simultaneously moving the same towards said central recess; and driving means operatively associated with the rotary plate and rotary camming means, supported from the frame, for simultaneously revolving said plate and camming means at slightly different angular speeds.

2,494,798
FOLDING SHELF
William J. Dobkin, New York, N. Y., assignor to The Nik-O-Lok Company, Indianapolis, Ind., a corporation of Indiana
Application September 25, 1944, Serial No. 555,673
5 Claims. (Cl. 211—93)

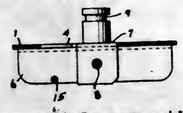


1. In a folding shelf, the combination of a bracket, a shelf proper pivotally connected thereto, to swing in a vertical plane, said shelf proper including a rib at its underside in a plane normal to the pivotal axis of the shelf proper, and means for limiting the pivotal movement of said shelf proper from a horizontal load receiving position to an upright folded position and vice versa, comprising a first link of channel shape disposed with its flanges embracing said rib, and having its one end portion pivotally connected with the shelf proper at a point remote from the pivotal axis of the latter, and a second link pivotally connected with said bracket and to the other end portion of said first link, one of said links engaging the bracket when the shelf proper is in a horizontal position, to arrest downward movement, and said first link abutting the shelf proper when it is in a folded position.

2,494,799
TRAILER COUPLING
William H. Duvall, Houston, and Alfred L. Barnard, Ganado, Tex.
Application September 16, 1946, Serial No. 697,190
2 Claims. (Cl. 280—33.05)

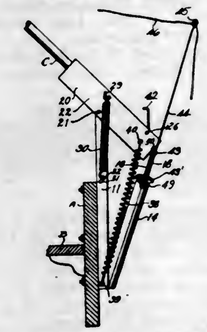
1. A trailer coupling including, a plate having a transverse slot therethrough one end of which

is widened, transverse flanges secured to and depending from said plate on opposite sides of the slot, a kingpin whose lower end is approximately square in horizontal cross-section and is fitted through the large end of the slot and whose other end is reduced in diameter, a pin extending through said flanges and through the square end of the kingpin and which pivotally supports the



kingpin between said flanges, said kingpin being mounted to move through the slot into inactive position beneath the plate and to move through the slot into vertical, or active, position, a cross pin carried by the lower margins of the flanges on which the kingpin is supported when in inactive position and latch means for latching the kingpin in vertical position.

2,494,800
AUTOMATIC FISHING DEVICE
Tilbert L. Finley, Bonham, Tex.
Application June 9, 1945, Serial No. 598,602
7 Claims. (Cl. 43—15)

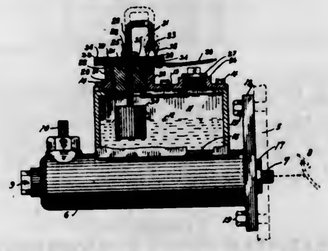


5. An automatic fishing device including, a supporting member, a fishing pole retainer pivoted on the support, spring operating means pivoted to the supporting member and to the retainer for swinging the retainer to an upright position, friction tripping means for holding the retainer in an adjusted angular position, cushioning means carried by the support and connected to the retainer coacting with the tripping means, and means for regulating the cushioning means to vary the rapidity with which the retainer is swung to an upright position.

2,494,801
METHOD FOR PRODUCTION OF 7-CHLORO-4-AMINOQUINOLINES
Willis A. Fisher, Amherst Township, Erie County, N. Y., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application June 20, 1947, Serial No. 756,084
3 Claims. (Cl. 260—288)

3. In a method of producing a compound suitable for conversion into an intermediate for production of an antimalarial drug of the 7-chloro-4-aminoquinoline type, which method includes heating a mixture of 1 mol of diethyl malonate, 0.993 mol of N,N'-di-(m-chlorophenyl) formamidine and 105 parts of benzene, at 100° C. to 105° C. for substantially sixteen hours, diluting the resulting reaction mass with substantially 1470 parts of benzene, adding to the diluted mass 136 parts of 20° Bé. hydrochloric acid, the improvement which comprises refluxing the resulting material until the benzene is freed from water, cooling the resulting dehydrated mixture, filtering the mixture to obtain a filter cake composed of the hydrochlorides of m-chloraniline and of N,N'-di-(m-chlorophenyl)-formamidine, and a filtrate, washing the filter cake with benzene, and combining the filtrate and the benzene washings.

2,494,802
LOW LEVEL SWITCH FOR HYDRAULIC BRAKES
James E. Fox, Denver, Colo.
Application May 3, 1947, Serial No. 745,778
1 Claim. (Cl. 200—84)

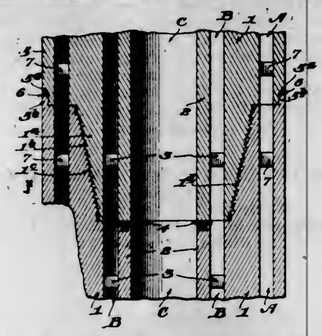


A float operated switch for oil level indicators for hydraulic brake fluid reservoirs, comprising, an externally threaded plug having an axial opening, the threads on the plug being so proportioned to threadedly engage internal threads of a filler hole in a top wall of the reservoir a float stem mounted for free reciprocation in the opening and solely guided thereby, a float secured to the lower end of the stem of a size adapted to pass through the filler hole, the upper end of the stem having a laterally extending portion terminating in a downwardly extending end, a forked contact member pivoted to the downwardly extending end for rocking movement in a substantially radial plane, the ends of the forks having sharp points, a disk of insulating material secured to the upper end of the plug, in a plane perpendicular to the main portion of the stem and two rings of soft conresilient metal attached to the upper surface of the disk in concentric relation to the opening in the plug, the rings being each positioned underneath a finger of the forked contact, whereby, when the latter moves downwardly in response to a dangerously low level of brake fluid, the rings will be electrically interconnected by the forked contact, the inner ring being electrically connected with the plug and the outer ring insulated therefrom.

2,494,803
MULTIPLE PASSAGE PIPE SECTIONS FOR OIL WELL DRILLS OR THE LIKE
Jack Frost, Dallas, and Ronald Hermes, Midland, Tex.
Application August 22, 1946, Serial No. 692,278
12 Claims. (Cl. 138—87)

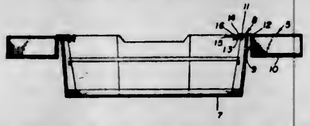
1. A multiple passage pipe section for oil well drills or the like, comprising a main casing having a male tool joint at one end and a complementary female tool joint at the other end; spaced pipes within and without the casing re-

spectively and maintained in spaced relation with respect to walls of the casing providing separate passages therethrough; said inner pipe extending from the outer end of the male joint to the inner end of the female joint; said outer pipe extending from the inner end of the male



joint to the outer end of the female joint; sealing means on one end of the inner pipe; and sealing means on the end of the outer pipe; said means sealing communication between the passages of adjacent sections when same are connected together by the tool joints.

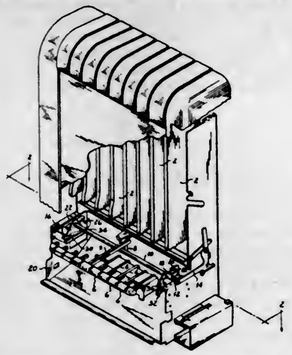
2,494,804
SAFETY ATTACHMENT FOR ROWBOATS AND THE LIKE
John P. Gabriel, St. Paul, Minn.
Application March 17, 1947, Serial No. 735,059
1 Claim. (Cl. 114—123)



A device of the class described comprising hollow buoyant substantially rectangular outriggers with flat bottoms, and L-shaped brackets carrying the outriggers and having one end adapted to clampingly engage the gunwales of a boat for holding the outriggers in position at the sides of the boat, said brackets fitting against and being secured to one side and bottoms of the outriggers to maintain the same substantially horizontal and spaced from the boat.

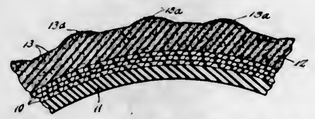
2,494,805
OPERATING BAR FOR VENDING MACHINES
Christian Gabrielsen, Whippany, N. J., assignor to The Rowe Manufacturing Co., Inc., Whippany, N. J., a corporation of New York
Application December 27, 1946, Serial No. 718,680
3 Claims. (Cl. 194—1)

1. In a coin-controlled vending machine having a plurality of operating members selectively movable to dispense articles of a corresponding plurality of containers, a common locking bar positioned to control the movement of each of said operating members, coin-controlled means for immobilizing the locking bar at one point therealong and adapted to free the bar for movement in response to a deposit of a coin, the improvement comprising in combination a pair of racks, a pair of gear segments secured to the bar for movement therewith engaging and supported by said racks, said segments subtending an angle of



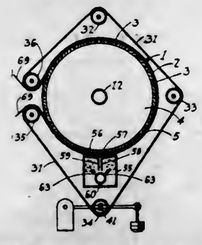
not more than 90 degrees and means for holding the said segments and racks in engagement.

2,494,806
INFLATED BALL
Frederick W. Gibson, Chicopee, Mass., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass., a corporation of Delaware
Application December 20, 1947, Serial No. 792,987
4 Claims. (Cl. 273—65)



1. An inflated playball having a fabric carcass and a molded rubber cover thereon, said cover including short textile fibers therein to project therefrom as the cover wears down to provide a fibrous surface which is resistant to slipping in the hands when the ball or hands are wet and having a feel of leather.

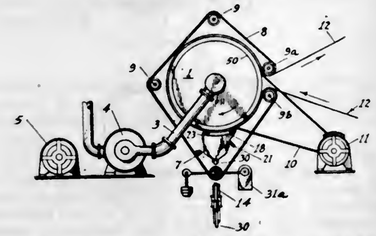
2,494,807
DECATING MACHINE
George Haeberlin, Richmond, Va., assignor to Richmond Piece Dye Works, Inc., a corporation of Virginia
Application January 15, 1946, Serial No. 641,392
7 Claims. (Cl. 68—5)



1. In a decating machine which includes an externally perforate hollow cylinder and means for rotating said cylinder and means for applying suction to the interior of said cylinder and a blanket running against a part of the periphery

of said cylinder adapted to hold a band of textile material in engagement with the periphery of said cylinder; means for discharging steam adjacent a part of the periphery of said cylinder including nozzle orifice means extending longitudinally of said cylinder adjacent the exterior of said blanket and an arcuate face plate concentric with said cylinder surrounding said orifice means.

2,494,808
DECATING MACHINE AND METHOD
George Haeberlin, Richmond, Va., assignor to Richmond Piece Dye Works, Inc., a corporation of Virginia
Application November 10, 1948, Serial No. 59,359
16 Claims. (Cl. 26—18.5)



1. In a decating machine of the blanket and endless carrier type having means defining a steaming zone along the path of travel of said blanket and means for drawing steam from said zone through a web of textile material continuously transported by and between said carrier and blanket, the improvement in steam supplying means for said zone comprising steam nozzle-orifice means at and substantially across the blanket exit end of said zone and positioned for steam ejection into said zone counter the direction of blanket travel and substantially at an angle away from said blanket and means for passing steam to said orifice.

2,494,809
POULTRY WATERING DEVICE
Larry M. Henning, Riverside, Calif.
Application November 2, 1948, Serial No. 57,916
2 Claims. (Cl. 119—72)



1. In a watering container, the combination which comprises a basin having a base with a continuous upwardly extended side wall, a plurality of spaced wires positioned over the outer surface of the side wall of the basin and extended upwardly in converging relation to a point above the center of the basin providing a conical shaped guard, and an inwardly inclined annular plate positioned upon the upper edge of the side wall of the basin and extended outwardly from the peripheral surface of the basin for catching drip from fowl drinking from the basin and returning the drip to the basin, said annular plate having spaced radially disposed slots in the inner edge positioned to straddle the wires of the guard.

2,494,810
PIGMENT EMULSIONS AND THE MANUFACTURE THEREOF
Cyril Hobday, Otley, and Frederic Leathley Goodall, Burley-in-Wharfedale, England, assignors to The Geigy Company Limited, Manchester, England, a British company
No Drawing. Application July 15, 1946, Serial No. 683,770
In Great Britain July 19, 1945
7 Claims. (Cl. 260—29.2)

1. The method of making a pigment emulsion which comprises dispersing a pigment in an aqueous medium with the aid of a dispersing agent comprising a non-convertible alkyd resin and a basic substance selected from the group which consists of ammonia and alkylolamines and further dispersing in said aqueous medium a solution of a thermohardening synthetic resin in an organic liquid which is substantially non-solvent for said pigment.

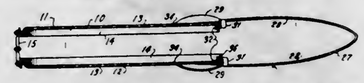
2,494,811
BENZANTHRONE DICARBOXYLIC ACID COMPOUNDS
Theodor Holbro, Basel, Paul Sutter, Binningen, and Walter Kern, Sissach, Switzerland, assignors to Ciba Limited, a Swiss firm
No Drawing. Application July 19, 1946, Serial No. 684,776. In Switzerland July 27, 1945
9 Claims. (Cl. 260—276)

1. A vat dyestuff of the general formula

$$\left[\begin{matrix} \\ R_1 \\ \end{matrix}\!\!\begin{matrix} -CO-NH-R_2 \\ -CO-NH-R_3 \end{matrix}\right]$$

wherein R_1 stands for a benzanthrone radical and wherein R_2 and R_3 stand for aromatic radicals at least one of them being the radical of a vattable compound, the groups —CO—NH—R_2 and —CO—NH—R_3 being attached to ring carbon atoms of the benzanthrone radical which are separated by at least two ring carbon atoms.

2,494,812
COOKING UTENSIL
William F. Holifield, Amarillo, Tex.
Application October 23, 1947, Serial No. 781,712
2 Claims. (Cl. 99—394)

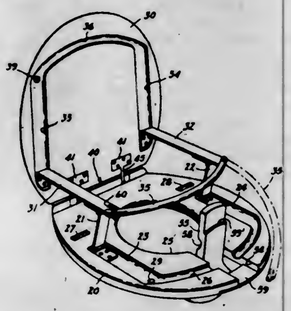


2. A cooking utensil including a pair of complementary plate-like sections, the sections being slightly dished and of foraminous construction, an extensible hinge pivotally connecting said sections and including, a hinge pin rotatably mounted on the margin of each section, and pairs of links, the links of each pair having one end pivotally connected to each other and the hinge pin, the opposite ends of said links being pivotally connected to the corresponding link ends of the other pair, whereby said sections may be pivoted relatively to each other and moved toward and away from each other to accommodate foods of various thickness.

2,494,813
TOILET SEAT STRUCTURE
Robert Hughes, Shaker Heights, Ohio
Application September 20, 1944, Serial No. 554,913
7 Claims. (Cl. 4—235)

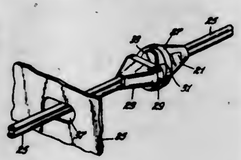
1. In a toilet seat assembly, two substantially congruent mating halves, a hinge joining said

halves and permitting said halves to swing from a closed position in which said halves are superimposed to an open position in which said halves are approximately perpendicular to each other, a pair of linkages carried by said halves and raised to form a pair of arm supports when said halves are opened and collapsed between said halves when said halves are closed, the lower



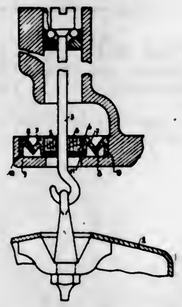
of said halves having a toilet opening between said linkages, a movable obstruction mounted on one of said linkages, and manually releasable means to lock said obstruction to the other of said linkages, and biasing means in said locking means to require both rotational and axial linear movement of said locking means to release said locking means.

2,494,814
STRAIN RELIEF
Carl M. Huth, Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1946, Serial No. 673,584
15 Claims. (Cl. 174—70)



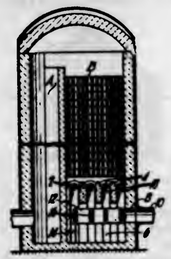
1. In combination, a wall structure having a non-circular opening formed therein, an electrical conducting cord, and a bushing-type strain relief which is disposed about said cord and which is adapted to be received within said opening to provide a strain relief for said cord, said strain relief bushing being constructed at least in part of resilient material and having two main body portions which terminate in opposed, abutment surfaces which are separated by a narrow, intermural space, the shape and the cross-sectional dimensions of said body portions being such that at least one of said body portions can be inserted into the non-circular opening provided in said wall structure and, following such insertion, can be rotated to bring said abutment surfaces into strain resisting position, the width of said intermural space being less than the thickness of said wall structure in order that said surfaces shall resiliently engage said wall structure to prevent rotation of said strain relief bushing from the strain resisting position.

2,494,815
ELASTIC GUIDE FOR THE SUSPENSION SHAFT OF THE BOWL OF A CREAM SEPARATOR
Edmond Leon Jean Jadoul, Brussels, Belgium
Application December 14, 1945, Serial No. 635,069
In Belgium December 22, 1944
5 Claims. (Cl. 308—26)



1. An elastic guide for the suspension shaft of the bowl of a cream separator comprising in combination at least two elements of a hard material in contact with said shaft and forming a lining therefor, an elastic ring encircling said lining and having a radial section in the form of an M, said elastic ring having a flexibility such that it can be deformed radially under the pressure of the elements of hard material when they are pushed back by centrifugal force which is exercised upon the rotation of said shaft in case of disequilibrium thereof, portions of said elastic ring having a greater resistance to radial deformation than other portions of the same ring and a fixed case surrounding said ring.

2,494,816
HOT-BLAST STOVE
Fred E. Kling, Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application May 18, 1945, Serial No. 594,519
3 Claims. (Cl. 263—19)



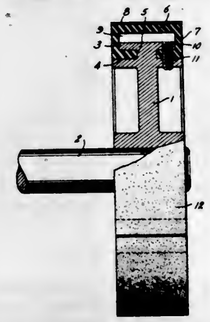
2. In a hot blast stove including checkerwork and spaced supporting arches therefor, said supporting arches forming a chamber below said checkerwork, a cold blast main connected to said chamber, an elongated box-like manifold extending across the center portion of said chamber between said arches, said manifold being connected to said cold blast main, spaced ports in said manifold on the outer sides thereof, said ports being disposed between said arches to direct

the air blast transversely of said chamber between said arches whereby eroding of said arches by said cold blast is substantially eliminated.

2,494,817
BROMINATION OF TRIFLUOROMETHYL DERIVATIVES OF BENZENE
Charles F. Kohl, Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application November 18, 1947, Serial No. 786,807
3 Claims. (Cl. 260—651)

1. The method of brominating trifluoromethyl derivatives of benzene which comprises reacting a trifluoromethyl derivative of benzene with bromine at a temperature between 700 and 900° C. in vapor phase.

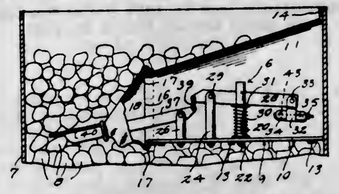
2,494,818
EXPANSIBLE RIMMED ABRADING WHEEL
Emanuel Kristek, Hustenovice, Czechoslovakia, assignor to Bata, Narodni Podnik, Zlin, Czechoslovakia
Application May 7, 1948, Serial No. 25,654
In Czechoslovakia May 5, 1947
2 Claims. (Cl. 51—191)



1. A rotary abrasive tool comprising a rigid wheel having a concentric annular groove in each side face adjacent the periphery thereof, a channel shaped elastic ring member concentrically mounted on said wheel and including a peripheral wall and radially inwardly extending side walls having inturned annular flanges thereon engaged in the annular grooves in the sides of said wheel, the distance from said flanges to the peripheral wall of said ring being greater than the distance from said grooves to the periphery of said wheel whereby the peripheral wall of said ring is spaced from the periphery of said wheel, said peripheral wall of said ring constituting a seat and support for an inelastic band of abrasive material and adapted to retain the same thereon during operation by expansion of said ring due to centrifugal force.

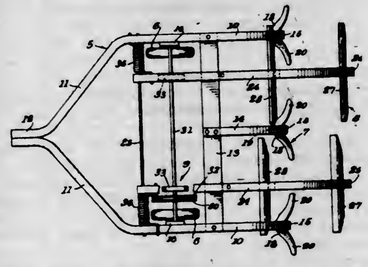
2,494,819
MATERIAL RESPONSIVE SWITCH ACTUATOR
Thomas L. Lane, Three Forks, Mont.
Application September 26, 1947, Serial No. 776,228
2 Claims. (Cl. 200—52)

1. In a material responsive switch actuator, a housing mounted in a container, a pair of levers pivotally supported near adjacent ends thereof within said housing, a link connecting said adjacent ends and pivotally connected to each of said ends, one of said levers having its opposite end extending outwardly of said housing into the container and provided with a platform adapted to be engaged by material within said container for retaining the platform and the lever end connected thereto in a depressed position, a mercury switch connected to the opposite end of the other lever for movement therewith and disposed whereby when the remote ends of the levers are depressed the mercury switch will be in a circuit



closing position, and spring means for biasing said levers as a unit in a direction for causing the adjacent ends thereof to swing downwardly and the remote ends thereof to swing upwardly when the weight of the contents of the container is removed or substantially removed from said platform for moving the mercury switch to a circuit interrupting position, said housing having longitudinally spaced upstanding slotted posts detachably mounted therein for receiving the adjacent end portions of said levers and in which said adjacent end portions are pivotally mounted.

2,494,820
IRRIGATION DITCH FORMING MACHINE
Yervant Lion, Fresno, Calif.
Application October 6, 1947, Serial No. 778,163
6 Claims. (Cl. 97—55)



5. A ditch digger comprising a towable wheel-mounted frame having three transversely spaced downwardly curved rear portions, a plowshare on each portion for digging a longitudinal furrow, cam means connected to be driven by the wheels during towing of the frame, a pivoted arm between each adjacent pair of said curved rear portions and associated with said cam means for pivotal movement alternately with respect to each other, a soil scoop on each arm forward of the plowshares for scooping out a transverse channel connecting adjacent furrows formed by the plowshares, and a second scoop on each arm rearward of the plowshares for simultaneously scooping out a second transverse channel also connecting said adjacent furrows and simultaneously filling in a dam across each of said adjacent furrows to interrupt the continuity thereof, said plowshares and scoops, each depositing the soil

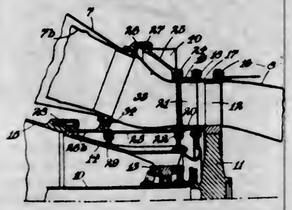
removed thereby alongside the furrows and channels to form mounds that increase the water-holding capacity of said furrows and channels.

2,494,821

MEANS FOR SUPPORTING THE NOZZLES OF THE COMBUSTION CHAMBERS OF INTERNAL-COMBUSTION TURBINES

Adrian Albert Lombard, Clitheroe, England, assignor to Rolls-Royce Limited, Derby, England, a British company

Application March 11, 1947, Serial No. 733,912
In Great Britain March 25, 1946
3 Claims. (Cl. 60—41)



1. A gas-turbine engine comprising a compressor having a rotor and a stator casing enclosing the rotor, a turbine having a rotor coaxial with and axially-spaced from the compressor rotor and a stator casing enclosing the rotor, a driving shaft connecting the compressor rotor to the turbine rotor, a plurality of combustion chambers disposed in a ring around the said shaft to extend from the compressor toward the turbine, an exhaust unit supported from the turbine casing on the side thereof remote from the compressor, an intermediate casing surrounding the shaft within the ring of combustion chambers and secured to the compressor casing to extend towards the turbine, a ring-like casing member having formed therein a plurality of circumferentially-spaced apertures one for each combustion chamber to receive and support its outlet end, said ring-like casing member being connected to the intermediate casing and to the outer periphery of the turbine casing to transmit structural loads therebetween, and a plurality of nozzle-boxes one for each combustion chamber extending from the outlets of the combustion chambers to deliver the working fluid from the combustion chambers to the turbine, the walls of the nozzle-boxes being spaced from the ring-like casing member so that the latter is out of direct contact with the flow of working fluid through said nozzle boxes.

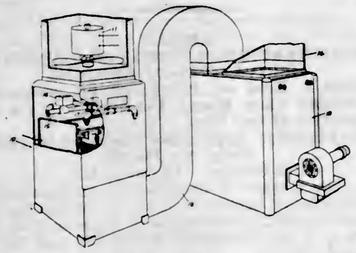
2,494,822

ELECTRICAL PRECIPITATOR

Kenneth W. MacKenzie, Newton Highlands, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware.

Application March 18, 1947, Serial No. 735,403
7 Claims. (Cl. 183—7)

1. An air cleaning and heating system comprising an electrical dust precipitator, a furnace, a heat control system for said furnace, a fan for forcing air through said precipitator for separating particulate matter therefrom, means conducting said air from said precipitator in heat absorbing relation to said furnace, washing means to clean deposits of particulate matter from said precipitator, and means effective upon the operation of said washing means to stop the operation of said fan and render said heat control means inoperative to effect the supply of fuel to said furnace, and a motor-driven timing system for deenergizing said electrical dust precipitator a short fixed time prior to the initiation of operation of the washing means.

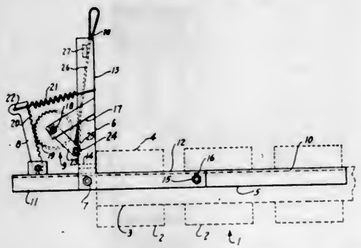


2,494,823

LIFTING DEVICE FOR PALLETS OR THE LIKE

Howard Madsen, San Francisco, Calif.

Application July 19, 1948, Serial No. 39,537
11 Claims. (Cl. 294—82)



11. A lifting device for a platform, comprising an elbow having a horizontal leg adapted for introduction underneath the platform and having a vertical leg adapted for pushing up against the edge of the platform, a bar pivoted to the elbow and having an inner end substantially paralleling the horizontal leg and an outer end projecting outwardly beyond the vertical leg, a lever supported by the vertical leg, and a link connection between one end of the lever and the outer end of the bar, whereby the outer end of the bar is pressed downward for lifting the inner end thereof when upward pull is exerted on the other end of the lever, the link connection comprising a link pivoted to the outer end of the bar and having a rack thereon, a pinion on the end of the lever, and spring means urging the rack upon the pinion, and the lever being supported with respect to the vertical leg so as to leave the space above the platform unobstructed.

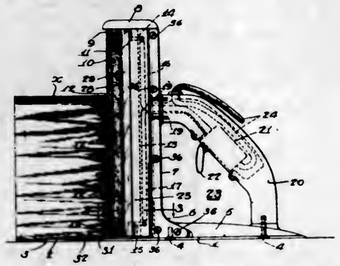
2,494,824

FABRIC NICKING DEVICE

Frank V. Martin, Atlantic City, N. J.

Application March 7, 1946, Serial No. 652,780
5 Claims. (Cl. 219—29)

1. A fabric edge nicking device comprising a base plate, and a fabric searing element providing a substantially straight searing edge substantially perpendicular to the plane of said base plate, said edge being formed by closely adjacent edge portions of a series of flat convolutions of a thin ribbon-like resistor of which said element is formed, and a dielectric support on which said convolutions are wound.

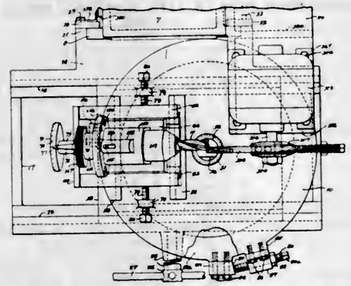


2,494,825

ROTARY CUTTING TOOL GRINDING MACHINE

William Melin, Grand Rapids, Mich.

Application March 10, 1945, Serial No. 582,030
1 Claim. (Cl. 51—96)



A machine for grinding and rounding the ends of workpieces consisting of fluted rotary tools with cutting lips, comprising a frame, a rotary abrasive wheel mounted on said frame, an adjustable support movably mounted on said frame, mechanism for adjustably moving said support and said abrasive wheel relatively to one another in both horizontal and vertical paths, a vertical pivot member mounted on said support with its axis aligned substantially tangentially to the periphery of said wheel, a turntable rotatably mounted on said support around said pivot member, a tangentially movable slide mounted on said turntable eccentrically of said pivot member, a chordally movable slide mounted on said tangentially movable slide, and a workpiece holder mounted on said chordally movable slide in proximity to said abrasive wheel, said chordally movable slide being reciprocable in a plane which is inclined relatively to the plane of reciprocation of said tangentially movable slide.

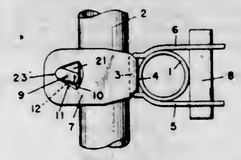
2,494,826

COUPLING FOR PIPES, PILES, AND LIKE ELEMENTS

Rudolf Mulder, Haarlem, Netherlands

Application December 4, 1945, Serial No. 632,635
In Germany August 5, 1944
2 Claims. (Cl. 287—54)

1. A pipe support comprising a plurality of U-shaped straps interengaged at the closed ends thereof, each free end of each said strap having an opening therein and forming pairs of openings in each of said U-shaped straps, a clamping member extending through each said pair of openings for clamping a pipe therebetween and said U-shaped strap, said member comprising a bar having an eccentric clamping surface thereon, and a helical shaped sliding surface on an end thereof whereby upon entry of one said member in one said pair of openings said member will be tilted by coaction of said helical sliding surface with an edge of one of said openings and provide a self-locking clamping of said pipe.



2,494,827

ABRASIVE DETERGENT COMPOSITIONS

Casimir J. Munter, Upper St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 1, 1945, Serial No. 597,157
8 Claims. (Cl. 252—116)

5. A finely divided free-flowing abrasive soap composition consisting essentially of from about 20% to about 50% of anhydrous sodium soap, from about 20% to about 60% corn meal, from about 2% to about 10% water-insoluble crystalline potassium metaphosphate, from about 5% to about 15% alkali-metal tripolyphosphate, from about 5% to about 10% hydrated borax, and about 0.1% organic stabilizing agent to prevent rancidity of the soap while in storage.

2,494,828

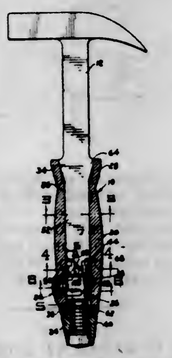
GLASSY PHOSPHATE POWDER COMPOSITION AND PROCESS OF MAKING THE SAME

Casimir J. Munter, Upper St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc., a corporation of Pennsylvania

Application February 28, 1946, Serial No. 651,016
16 Claims. (Cl. 252—175)

10. A water treating composition consisting essentially of a sodium phosphate glass having a molar ratio of sodium oxide to phosphorus pentoxide between about 0.9:1 and about 1.7:1, the particles of said glass having on their surfaces an acidic reversion product of the character obtainable by hydrating the surfaces of the sodium phosphate glass at a temperature of from about 20° C. to about 150° C. until an amount of moisture equivalent in weight to about 0.5 to about 6.0 per cent of the weight of the phosphate glass has been absorbed thereon, and then partially dehydrating the partially hydrated particles by subjecting them to substantially moisture-free air at a temperature of about 70° C. to about 500° C. until the moisture remaining constitutes from about 0.05 to about 2.5 per cent of the weight of the particles, and a powdered carbonate of sodium which releases a gas when reacted in water solutions with said treated phosphate glass, said water treating composition being characterized by a high rate of solution in water.

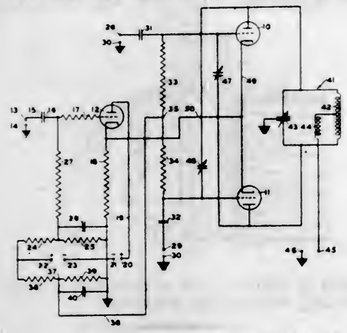
2,494,829
TOOL
Curtis G. Pardee, Detroit, Mich.
Application December 4, 1947, Serial No. 789,582
6 Claims. (Cl. 279—39)



6. A handle for holding a variety of tools having identical predetermined shaped shank ends comprising a hand-holding member and a mechanism in one end of the opening therein for clamping and locking the tools to be inserted in the handle comprising a member mounted concentrically juxtaposed one open end of the hand-holding member manually relatively rotatable thereto, an externally threaded member secured on the manually rotatable member extending axially into the opening in the hand-holding member, a cylindrical member threaded upon the externally threaded member movable in the opening in the hand-holding portion having an opening in one end thereof for receiving the predetermined shaped shank ends of tools to be associated therewith and a cam surface in the peripheral wall thereof, and means on the hand-holding member engageable with the cam surface for controlling the rotative and axial movement of the cylindrical member relative to the hand-holding member and engageable with the external threaded member for holding the locking mechanism as a unit in the hand-holding member.

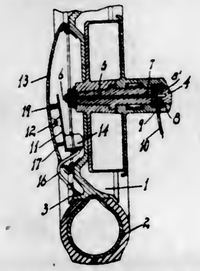
2,494,830
MODULATOR CIRCUIT
Glen Peterson, Tulsa, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 1, 1948, Serial No. 30,257
6 Claims. (Cl. 332—63)

1. A modulator circuit comprising a modulator tube having an anode, a cathode, and a control grid, a load impedance having one terminal thereof connected to said cathode, means for impressing anode voltage between the other terminal of said impedance and said anode, means for impressing a low frequency signal on said control grid, a radio frequency amplifier unit including two tubes connected in push-pull circuit arrangement, each amplifier tube having an anode, a cathode, and a control grid, means for feeding radio frequency energy to both of the amplifier control grids, an output circuit including a tuned circuit and the anodes of both amplifier tubes, means for impressing anode voltage between the cathodes of said amplifier tubes and said output circuit, and a conductor connecting the cathode



of said modulator tube to the cathodes of both amplifier tubes.

2,494,831
TIRE PRESSURE SWITCH
Willie G. Phelps, Long Beach, Calif.
Application June 29, 1946, Serial No. 680,351
2 Claims. (Cl. 200—58)



2. A tire pressure alarm for pneumatic tires, including a hub cap, the alarm comprising a cylinder, a contact arm extending laterally from the cylinder, means pivotally mounting the contact arm on the hub cap, a pin projecting from the cylinder and engaging the hub cap, a pneumatic conduit extending from the tire into the cylinder whereby tire pressure is exerted in the cylinder, the tire pressure urging the pin against the hub cap, said cylinder moving on said pin with changes in tire pressure in the cylinder, an electrical contact on the shaft on which the tire is mounted, said contact arm being adapted and arranged to engage the electrical contact when swung on its pivot means, and a spring engaging said arm to urge the pin against the hub cap, a flexible diaphragm positioned transversely in the cylinder, said pin being mounted on the diaphragm and projecting from the cylinder to engage the hub cap, and a spring in the cylinder engaging the pin and urging said pin into the cylinder.

2,494,832
TIE WIRE TWISTING AND TIGHTENING TOOL
Ray W. Piper, Portland, Oreg.
Application May 7, 1947, Serial No. 746,573
1 Claim. (Cl. 140—123.5)

A tie-wire tightening and twisting tool comprising a stationary member, a rotary member

journaled thereon, a second rotary member journaled on the first rotary member and having its axis at right angles to the axis of the first rotary member, a pivoted handle carried by the second rotary member, locking means securing the handle at right angles to the second rotary member for use as a crank for rotating the same to initially wind the ends of a tie-wire thereon,



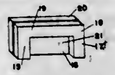
or for securing the handle in longitudinally aligned position with the second rotary member to rotate the first rotary member, a transverse pin carried by the first rotary member engaging the wire to twist the wire during rotation of the first rotary member, and locking means for the second rotary member during the twisting operation.

2,494,833
THERMOPILE AND PILOT BURNER
William R. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Original application April 4, 1939, Serial No. 265,974, now Patent No. 2,374,701, dated May 1, 1945. Divided and this application April 16, 1945, Serial No. 588,453
5 Claims. (Cl. 136—4)



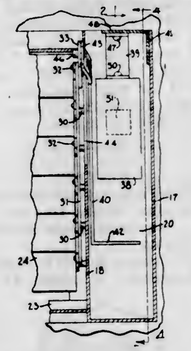
1. In a thermoelectric generating device: a thermopile comprising a plurality of pairs of thermocouple elements each pair having an elongated hot-junction portion, said hot-junction portions being arranged in relatively closely spaced and substantially parallel relation to each other, a gas burner for producing a flame directed toward said hot-junction portions, and means supported by said elements in the path of said flame for spreading the flame between each of the hot-junction portions.

2,494,834
MOUNTED SPECIMEN
Richard S. Ringheim, San Gabriel, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application July 10, 1945, Serial No. 604,280
5 Claims. (Cl. 35—20)



1. A mounted specimen of a relatively thin sheet material having a transverse section exposed for microscopic examination, comprising, in combination with said specimen, a pair of reinforcing blanks affixed to opposite faces of said specimen and a molded block of plastic encasing said specimen and blanks, said block having one surface finished to expose a transverse section of said specimen for microscopic examination.

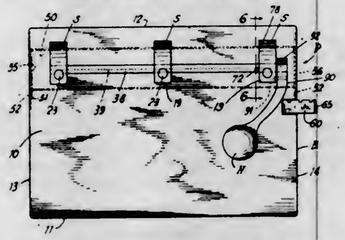
2,494,835
VENTILATOR
Fred L. Rose, Marietta, Ohio, assignor to The Airolite Company, Marietta, Ohio, a corporation of Ohio
Application August 25, 1947, Serial No. 770,399
6 Claims. (Cl. 98—110)



1. A ventilator comprising a frame providing spaced apart supports, a louver mounted on said spaced apart supports for movement between an open and a closed position, an operating lever rigid with said louver and projecting interiorly of said frame adapted to be moved upwardly and downwardly to cause the louver to be actuated to said open and closed positions, respectively, an actuating device for causing said operating lever to be moved downwardly situated in said frame to be capable of having substantially vertical movement and connected to said operating lever at a location interiorly of the frame, a weight situated within said frame above and in spaced relation to a part of said actuating device to be capable of having substantially vertical movement, and a fusible element supporting said weight, said actuating device being adapted to be moved upwardly in response to upward movement of said operating lever, said weight

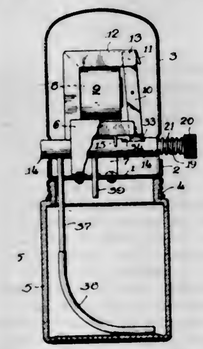
being adapted to fall by gravity against said actuating device upon destruction of said fusible element, and the actuating device being adapted to be forcibly moved downwardly in response to a blow struck thereagainst by said weight to cause said operating lever to be moved downwardly thus to actuate said louver to said closed position.

2,494,836
PERFORATING DEVICE
Samuel Segal, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill., a corporation of Massachusetts
Application July 13, 1945, Serial No. 604,906
16 Claims. (Cl. 164—91)



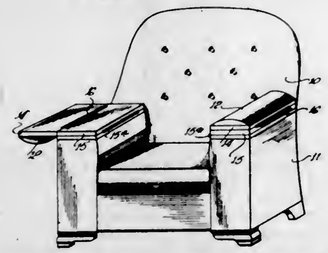
1. In a perforating device, an elongated and hollow base comprising a depending rim having spaced sides, reinforcing means disposed within said rim and extending substantially coextensive with the length of said base, between said sides and comprising spaced attenuated webs and intermediately disposed boss means integral with and between said webs, a standard on the outside of said base, fastening means extending through said boss means for removably clamping said standard to said base, punching means slidably guided by said standard, shaft means for driving said punching means, and a handle for actuating said shaft means.

2,494,837
SPRAYER OR ATOMIZER
Frank A. Simmons, Elgin, Ill., assignor to Burgess Battery Company, Lake Zurich, Ill., a corporation of Delaware
Application February 26, 1948, Serial No. 11,119
6 Claims. (Cl. 299—97)



1. A sprayer comprising means forming a cylinder having an outlet port at the forward end and an inlet port in the wall of said cylinder spaced rearwardly from said outlet port, a piston adapted to reciprocate within said cylinder between an extended position and a retracted position uncovering at least a portion of said inlet port, the face of the piston when said piston is in its extended position being at least just short of said outlet port, whereby on the forward movement of said piston the piston expels substantially all fluid from said cylinder, a nozzle connected with said outlet port, a check valve at said outlet port adapted to prevent fluid flow into said cylinder, means for driving said piston in reciprocation, and means for continuously supplying liquid to said cylinder through said inlet port.

2,494,838
CHAIR
John R. Slaughter, Dallas, Tex.
Application December 29, 1945, Serial No. 638,118
1 Claim. (Cl. 155—125)

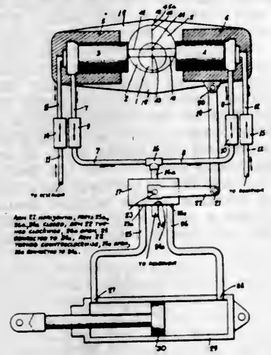


In a chair construction, an end frame defining a receptacle having an open top, a horizontal board hinged along one edge of the inner edge of the top of said receptacle and adapted to close the same in one position, said board being hingedly displaceable to a second position inwardly of said frame and provided with a finished upper surface, a second board hinged co-extensively along one edge to the edge of said first board opposite said hinged edge thereof, having one side upholstered and the opposite side finished in corresponding relation to said first board and capable of being folded to overlie the latter in one position and to lie in flush plane therewith in another position outwardly of said frame.

2,494,839
HYDRAULIC STEERING APPARATUS
Frank E. Steinmeyer, Garden City, N. Y., assignor to Columbian Bronze Corporation, Freeport, N. Y., a corporation of New York
Application April 5, 1946, Serial No. 659,933
5 Claims. (Cl. 60—52)

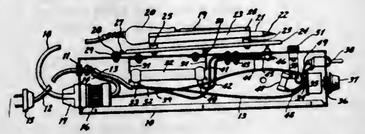
1. Hydraulic apparatus which comprises a rotatable shaft, a pump operatively connected to said shaft by pump-operating means and operated by the rotation of said shaft to discharge liquid from said pump, a servo-motor connected to said pump by connecting pipe-means, said servo-motor being operated by the liquid which is discharged from said pump through said pipe-means, movable controlling valve-means located in said pipe-means between said pump and said servo-motor, said controlling valve-means being movable to a closing position to prevent the flow of liquid through said pipe-means from said pump to said servo-motor, said controlling valve-means being also movable to an open position to permit said flow of liquid, said pump being fixed to a movable support, said support being

connected to said controlling valve-means by connecting means to operate said controlling valve-means to either of said positions, said support being biased by biasing means to a normal position in which said support holds said controlling valve-means in said closing position, said shaft having means to move said support from said



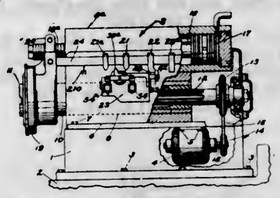
normal position to a position in which said support holds said controlling valve-means in said open position only during the period in which said shaft is rotated and the liquid in said pump is under pressure, said biasing means being operative to move said support back to said normal position when the rotation of said shaft is discontinued.

2,494,840
AUTOMATIC SOLDERING IRON CONTROL
Louis J. Stephenson, New Bern, N. C.
Application December 27, 1945, Serial No. 637,447
3 Claims. (Cl. 219—23)



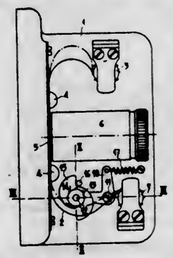
1. An automatic heat controlling means for electrically heated soldering irons comprising a heating element for the soldering iron, incorporated into the same, an operative circuit for said heating element, a supply circuit connected with said operative circuit, a high resistance element permanently included in said operative circuit in series with the heating element, reducing the current flow through the same, a support for the soldering iron when not in use, a normally closed switch, actuated and opened by the weight of the soldering iron when supported and acting on the support, a shunt circuit bridging said high resistance, controlled by said normally closed switch, making the high resistance ineffective when the switch is closed, a further shunt circuit bridging the high resistance, arranged in parallel to the said first named shunt circuit, adjustable resistance means for limiting the current flow through the said further shunt circuit arranged in the same, said further shunt circuit controlling the flow of current through the heating element when the tool is idle and supported by the support, a further shunt circuit bridging the high resistance, containing a manually operated switch, adapted to short circuit the permanently included high resistance and the last named adjustable resistance element for applying full heat to the soldering iron when resting on its support.

2,494,841
FLUID POWER, CONTROLLING MEANS AND ASSOCIATED MECHANISMS THEREFOR
Ernest J. Svenson, Rockford, Ill., assignor to Odin Corporation, Chicago, Ill., a corporation of Illinois
Application November 10, 1941, Serial No. 418,576
10 Claims. (Cl. 60—52)



1. In a fluid control system, in combination with a fluid actuator, valve means and associated conduits for dispatching propelling fluid to said actuator and for receiving fluid therefrom, said valve means including means operable when the actuator is propelled in a predetermined direction for feeding return fluid from the actuator to the propelling side of the actuator in a recirculation circuit, a feed rate control orifice arranged in said circuit for controlling the feeding rate of said actuator, and means operable in response to the size variation of the feed rate control orifice for correspondingly varying the fluid input to the actuator.

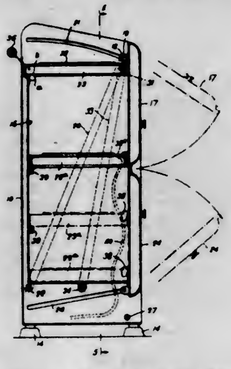
2,494,842
DEVICE FOR CINEMATOGRAPHIC APPARATUS INTENDED FOR RESTORING AUTOMATICALLY THE LENGTH OF THE FILM LOOP COMPRISED BETWEEN THE OBJECTIVE AND THE DRIVING ROLLER
Jean Thévenaz, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix, Switzerland, a corporation of Switzerland
Application February 8, 1949, Serial No. 75,192
In Switzerland April 1, 1948
9 Claims. (Cl. 88—17)



1. In a cinematographic apparatus comprising a frame an objective, a driving sprocket for the film, a film loop between said objective and said driving sprocket, a device for restoring the length of said film loop including a restoring sprocket normally kept out of mesh with said film and engageable with and to be operated by said film when for a casual reason the length of said film

loop decreases, means supporting said restoring sprocket and movably mounted on said frame, yieldable means connected to said supporting means and frame and urging said restoring sprocket to a predetermined position disengaged from said film loop, a restoring member connected to said restoring sprocket and reacting against the frame and upon engagement of said film loop with said restoring sprocket moving same from its predetermined position to thereby lengthen the loop.

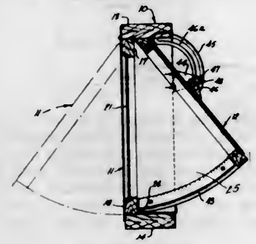
2,494,843
ELECTRIC STOVE FOR HEATING AND COOKING
June Sylvia Thimblethorpe and Wilfred Sylvester Thimblethorpe, London, England
Application March 8, 1946, Serial No. 653,058
In Great Britain March 20, 1945
14 Claims. (Cl. 219—34)



1. A heating stove comprising walls defining an oven casing open at the top, said walls including a front wall having an opening, a closure member adapted when moved to one position to close the front wall opening and when moved to another position to close the oven top, means for supporting said closure member in either of the said positions, said closure member supporting means comprising at least one link pivotally connected at its upper end to the closure member and at its lower end to a fixed support whereby the upper end of the link may be swung from the front to the rear of the oven, an electrical heating unit having a resistance heating element, means for pivotally suspending said unit whereby said unit closes the said front wall opening with the resistance element exposed to the space outside the oven, said pivotal suspending means being displaceable from the front of the oven to the rear thereof and arranged to permit the unit to be swung into a position whereby the unit extends across the top of the oven with the resistance elements exposed to the interior of the oven and means for releasably holding the said unit in position across the top of the oven.

2,494,844
COMBINED WINDOW SASH AND SCREEN
Joseph Tondora, Linden, N. J.
Application October 11, 1948, Serial No. 53,920
6 Claims. (Cl. 160—97)

5. A window comprising a window frame, a sash for the window frame, and a screen for the window frame; the window frame comprising spaced parallel top and bottom and side members and means securing said members along corresponding ends, a stop transversely disposed on the top surface portion of the spaced bottom member and adapted to leave a space between the spaced side members at either end; the sash comprising a sash frame, the sash frame comprising spaced parallel top and bottom and side members and adapted to be inserted within the periphery of the outer edge of the window frame with the outside surface portions of the spaced parallel members flush with corresponding surface portions of the window frame when the spaced bottom member of the sash frame is against the stop on the spaced bottom member of the window frame, means securing said spaced members along corresponding ends, at least one light transmitting member for the sash frame, means on the sash frame overlapping corresponding surface portions of the window frame when the sash frame is against the stop, means hingedly securing the upper edge of the spaced top

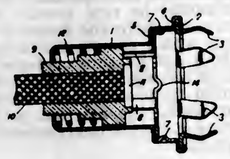


member of the sash frame to the lower edge of the spaced top member of the window frame; the screen comprising a screen frame, the screen frame comprising spaced parallel top and bottom and side members and adapted to be inserted within the periphery of the inner edges of the window frame, means securing said spaced members along corresponding ends, a screen member disposed over the spaced members, means securing the spaced top member of the screen frame to the spaced top member of the sash frame at the back and adapted to rotate the screen in and out of the window frame and to close the same when against the stop, a reinforcing side member disposed on either side of the sash and screen frames, the bottom surface portion of the reinforcing members being arcuate and adapted to rotate with the sash and screen adjacent the inside surface portions of the spaced parallel side members of the window frame and the ends of the stop, and means releasably securing the window sash and window screen in position.

2,494,845
ELECTRIC LAMP SOCKET
George Wagstaff, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass.
Application June 12, 1946, Serial No. 676,184
In Great Britain June 19, 1945
3 Claims. (Cl. 173—339)

1. A lamp socket for mounting in an aperture on a support comprising a tubular socket body having a mouth and terminal end, an inwardly extending annular flange at said terminal end, an outwardly extending annular flange at said mouth, an inwardly extending annular shoulder intermediate said mouth and terminal end adjacent to but spaced from said mouth, a ring

member secured to said outwardly extending annular flange and having a plurality of resilient prongs adapted for snap fastener engagement with the aperture in the support, said ring member and prongs permitting free movement of a lamp base therethrough, a lamp-retaining ring member secured to said shoulder within said socket body inwardly of said first mentioned ring



member, an insulating contact-carrying block slidably mounted within said socket body between the inwardly extending annular flange at said terminal end and said lamp-retaining ring member, spring means tending to urge said block toward said lamp-retaining ring member, and stop means for maintaining said block in spaced relation to said lamp-retaining ring member.

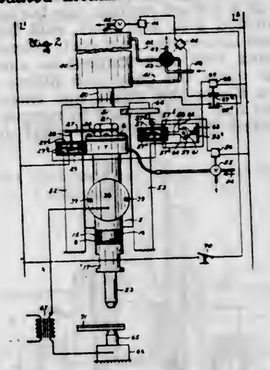
2,494,846
CALIBRATED LEAD SCREW
Ivar T. Wedin, Farmington, Mich., assignor of one-half to Gertrude Wedin, Farmington, Mich.
Application May 28, 1947, Serial No. 750,937
10 Claims. (Cl. 74—458)



9. A calibrated lead screw comprising a shaft, a plurality of hollow threaded elements slidably and adjustably mounted upon said shaft with respect to each other to provide a continuous thread helix upon said shaft having a predetermined number of threads for a given length of shaft, threaded means transversely extending through said threaded elements frictionally engaging said shaft for retaining said elements in their adjusted positions, and transverse locking means projected through said threaded elements and snugly through said shaft for retaining said elements thereon.

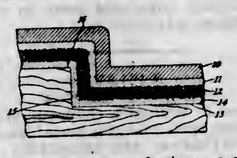
2,494,847
SAFETY CONTROL FOR WELDERS
Jerome B. Welch, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 21, 1948, Serial No. 22,477
11 Claims. (Cl. 219—4)

10. An electrode carrier comprising, first and second parts having a straight line lost motion connection therebetween, an electrode carried by said first part and movable by said carrier to and away from its work, cooperating contact elements associated with said carrier parts for control of a circuit connection for said electrode, said contacts being disengaged with said carrier parts in extended relation and engageable by take-up of the lost motion between said carrier parts, and power actuated means to insure and maintain



take-up of the lost motion between said carrier parts for welding.

2,494,848
METHOD OF LAMINATING FLOCK COATED VINYL RESIN SHEET AND RESULTING PRODUCT
Rudolph F. Whitelegg, New York, N. Y., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application June 21, 1946, Serial No. 678,517
6 Claims. (Cl. 154—123)

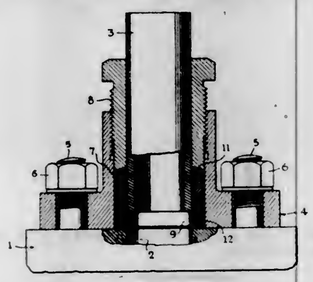


3. As an article of manufacture, a sheet of copolymerized vinyl chloride and vinyl acetate comprising from about 80% to about 95% of vinyl chloride, a film of an adhesive on said sheet, said adhesive comprising copolymerized butadiene and acrylonitrile, the copolymer comprising substantially 25% by weight of acrylonitrile based on the weight of the butadiene, short separate fibers from the group consisting of rayon and cotton fibers of from about 0.5 to about 1.5 mm. in length adhered to said butadiene-acrylonitrile adhesive, but having portions of their lengths projecting clear of said film, a base and a layer of adhesive on said base, said projecting portions of the fibers being at least partially embedded in the layer of adhesive, the layer of adhesive on the base being substantially separate from the film of adhesive on the sheet and the fibers serving as substantially the sole link holding the layers of adhesive in fixed relation.

2,494,849
FLANGE UNION FITTING
Clark Baynham Whitney, Sackets Harbor, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application August 21, 1947, Serial No. 769,947
5 Claims. (Cl. 285—34)

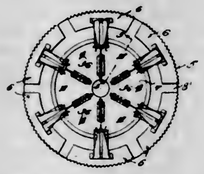
1. A flange union structure for connecting a tubular member with a port which terminates in the face of a body, said structure comprising

in combination with said body, a fitting having a mating face which when the parts are assembled is mounted against the ported face of and connected with said body, said fitting having a gland larger than said port, extending from said mating face and adapted to aline axially therewith when the body and fitting are connected; a sleeve-like gland nut threaded into said gland and dimensioned to receive and laterally confine the end of the tubular member to



be connected; a tubular metallic bushing shorter than the gland and dimensioned to telescope over the inserted end of the tubular member and to seat at one end on said body around the port therein; and a packing sleeve of rubber-like material filling said gland and in contact with said bushing through a part of its length and with said tubular member through the remainder of its length, and adapted to be forced by the gland nut into contact with said body in an annular area encircling said bushing.

2,494,850
NONSKID DEVICE
Owen E. Williams, Oshkosh, Wis.
Application April 23, 1947, Serial No. 743,439
5 Claims. (Cl. 152—216)

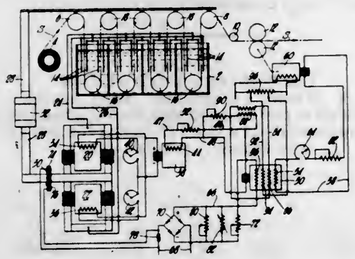


2. In an anti-skid device for vehicle wheels equipped with pneumatic tires, said anti-skid device comprising a plurality of independent anti-skid units mounted on the outer side of the wheel in circumferentially spaced relationship relatively to one another, a mounting plate for supporting the units and demountably supported on the wheel, each of said units including a mounting bracket attached to the outer side of the mounting plate and disposed radially thereof, a rod reciprocally and detachably mounted in each mounting bracket, a supporting arm pivotally supported on the outer end of each rod for swinging movement in a direction laterally of the tire and wheel, and a traction plate provided with a surface engaging portion and supported by each of said arms and adapted to be positioned against a portion of the outer side of the tire and the adjacent tread portion thereof.

2,494,851
METHOD FOR PRODUCING 5,6-DIMETHOXY-8-NITROQUINOLINE
Thurmond A. Williamson, New York, N. Y., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application April 8, 1946, Serial No. 660,412
4 Claims. (Cl. 260—289)

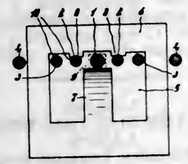
1. In the process of synthesizing a 5,6-dimethoxy-8-nitroquinoline by ring closure on 4-acetamino-5-nitroveratrole by the action of sulphuric acid, the steps which comprise adding the sulphuric acid to a hot mixture of 4-acetamino-5-nitroveratrole, glycerine, and arsenic acid, whereby the reaction is prompt and vigorous, and abruptly terminating the reaction prior to substantial cleavage of the methoxyl substituent para to the nitro-group.

2,494,852
ELECTRIC CONTROL
William E. Winterhalter, Coshocton, Ohio, and Edwin E. Vonada, McKeesport, Pa.
Application September 26, 1945, Serial No. 618,664
4 Claims. (Cl. 204—211)



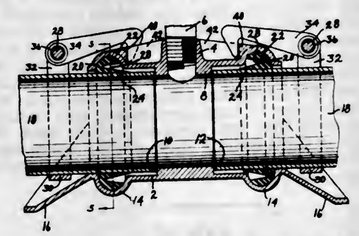
3. Apparatus for electrically treating metal strip having an electrolyte therein, said apparatus including means for passing the strip through said electrolyte at a varying speed, an electric circuit including said strip and said electrolyte, electric powering means for supplying direct current to said circuit, a bus bar connected between said powering means and the strip, an amplifying exciter for varying the output of said powering means, a pair of fields for controlling the output voltage of said exciter, a saturable core reactor having a core surrounding said bus bar and a coil wound on said core, the current flowing in said bus bar controlling the reactance of said coil, a full wave rectifier connected to an alternating current source and to said coil, a condenser connected across said coil, one of said control fields being connected across the direct current terminals of said rectifier, a resistor in said last named connection for loading up the reactor, a by-pass resistor automatically variable in response to voltage across said control field circuit, said by-pass resistor being connected in parallel with said first named resistor, said condenser and resistances being proportioned to produce a linear result in the control field circuit, means for producing a voltage proportional to line speed, means for applying said last named voltage to the other of said fields to produce a flux in opposition to the flux of the first field, and a third field for said exciter for producing a flux to counteract the leakage excitation of the circuit of the first named field when there is no excitation in the circuit of the second named field.

2,494,853
RESILIENT SUPPORT AND CENTERING ARRANGEMENT FOR THE ELECTRODES OF ELECTRIC DISCHARGE TUBES
Gerrit Hendrik Petrus Alma, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 7, 1948, Serial No. 25,661
In the Netherlands August 27, 1947
2 Claims. (Cl. 250—27.5)



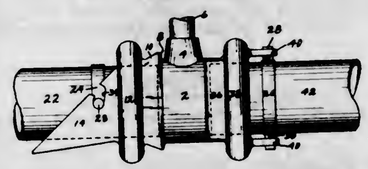
1. An electric discharge device comprising a plurality of spaced, parallel rod members in spaced relationship, a first plate member of electrically insulating material provided with a plurality of apertures in spaced relationship conforming to the spacing of said rod members and engaging said rod members, and a second plate member of resilient electrical insulating material said second plate member being provided with a central aperture and resilient rib portions inwardly extending from opposite walls of said aperture, said second plate member being positioned on said first plate member with two resilient rib portions extending from one wall and each engaging one of said rod members on the side adjacent said rib portions and a third resilient rib portion extending from the opposite wall portion and positioned centrally of said two rib portions and engaging the adjacent side of another of said rod members, said third resilient rib portion being flexible in a plane normal to the plane of said second plate member.

2,494,854
PIPE COUPLING
William A. Anderson, Spokane, Wash., assignor to Anderson-Miller and Poston Mfg. Co., Spokane, Wash.
Application January 27, 1947, Serial No. 724,538
1 Claim. (Cl. 285—172)



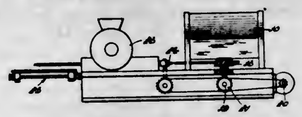
In a detachable coupling for pipe ends, the combination with a cylindrical coupler having an inner annular flange forming spaced shoulders for the abutting pipe ends and an exterior nipple opening to the interior of the coupler, annular exterior ribs on the coupler forming interior grooves, and resilient sealing gaskets within the grooves surrounding the pipe ends, of a pair of oppositely extending longitudinal ribs uniting the annular ribs with the nipple and inwardly projecting guide ribs integral with the annular ribs, a pair of supporting rings clamped on the pipe ends, and a pair of inwardly extending latch-hooks pivotally mounted on each clamp ring and in frictional engagement with the inner side of an annular rib.

2,494,855
PIPE COUPLING
William A. Anderson, Spokane, Wash., assignor to Anderson-Miller and Poston Mfg. Co., Spokane, Wash.
Application September 27, 1947, Serial No. 776,565
2 Claims. (Cl. 285—193)



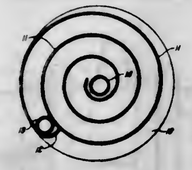
1. A pipe coupling comprising a cylinder having pairs of horizontally and vertically disposed offsets, troughs in the cylinder and resilient gaskets in the troughs to receive and seal pipe sections, and means including detachable rings having diametrically opposed lugs for pivotally supporting said pipe sections, one on a horizontal axis and one on a vertical axis.

2,494,856
DEVICE FOR MAKING COATED WELDING RODS
Johannes Bernard Aninga and Jan Tenger, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 6, 1947, Serial No. 726,886
In the Netherlands May 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 11, 1966
3 Claims. (Cl. 18—13)



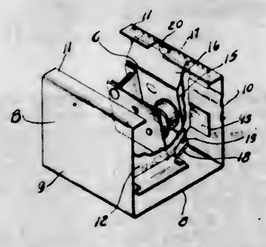
1. Apparatus for coating welding electrodes comprising a bin adapted to supply electrodes, a moulding press for the continuous application of coating to an electrode, a feeding device comprising a first pair of driven friction rollers, said rollers arranged for normally feeding the electrodes continuously from said bin to said moulding press at a predetermined rate of speed, a second pair of friction rollers arranged for moving the electrodes through said moulding press at a second predetermined rate of speed which is less than said first rate of speed, driving means to drive continuously both pairs of said friction rollers, and a friction clutch coupling said driving means to said first pair of friction rollers, whereby the speed of an electrode being fed to said moulding press is for a time greater than the speed of an electrode traveling through said moulding press.

2,494,857
METHOD FOR MAKING ELECTRIC DISCHARGE LAMPS
Robert Leonard Breadner, Kenton, Henry Grainger Jenkins, Pinner, and Charles Henry Simms, Twickenham, England, assignors to General Electric Company, a corporation of New York
Application February 25, 1946, Serial No. 650,068
In Great Britain December 21, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 21, 1964
4 Claims. (Cl. 49—82)



1. A method of constructing an electric discharge lamp in which the discharge path between two electrodes has a sinuous shape with juxtaposed portions substantially circular in cross-section, and in which said discharge path is a channel formed between two vitreous components sealed together, which method comprises the steps of applying to a surface of at least one of said components strip-like vitreous material, fusing said material to said component by heating, placing said two components in juxtaposition in such a manner that said vitreous material constitutes part of the wall of a sinuous passage between said components, heating said components to fuse them together along said vitreous material, and applying gas pressure to the said passage whilst at least one of said components is rendered plastic by heating in order to enlarge said passage to a substantially circular cross-section.

2,494,858
CORD LOCK MOUNTING FOR VENETIAN BLINDS
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y.
Application August 5, 1946, Serial No. 688,569
4 Claims. (Cl. 160—173)

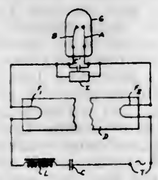


1. The combination with a Venetian blind head box having a transversely disposed bracket therein, of a U-shaped cord lock unit associated therewith and formed with upwardly projecting side walls and a longitudinally projecting bottom wall section projecting through said bracket in releasable interlocking engagement therewith, and means for releasably securing one side wall of said unit to the upper edge of said head box.

2,494,859
PREPARATION OF METHACROLEIN OXIME
Darrel J. Butterbaugh, Abington, and Newman M. Bortnick, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 18, 1947, Serial No. 792,596
5 Claims. (Cl. 260—566)

1. A method for preparing methacrolein oxime which comprises decomposing a 2-N-dialkylaminoisobutyraldoxime by heating it between 120° C. and 250° C. and separating methacrolein oxime from the decomposition products thereof.

2,494,860
CIRCUITS FOR ELECTRIC DISCHARGE LAMPS
Julius Cates, Wembley, England, assignor to General Electric Company, a corporation of New York
Application July 9, 1946, Serial No. 682,183
In Great Britain June 13, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 13, 1965
6 Claims. (Cl. 315—100)

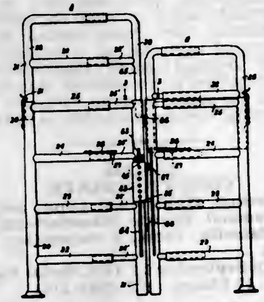


1. A circuit for an electric discharge lamp comprising a discharge lamp provided with filamentary electrodes, an alternating current supply means of a voltage materially greater than the operating voltage of said lamp and connected to one terminal of each of said electrodes, a reactor and a capacitor interposed between said current supply means and said lamp to render the operating circuit for said lamp capacitive, a glow switch interconnecting the other terminals of said electrodes and comprising a sealed envelope containing a pair of electrodes adapted to make contact with one another under the action of a glow discharge therebetween, and a non-capacitive reactive impedance connected in parallel with said electrodes of said glow switch and having a value such that the current in said glow discharge is substantially increased by counteracting the asymmetrical conducting characteristics of said glow switch.

2,494,861
ELECTRICALLY HEATED AIRER
George Albert Chapman, London, England
Application August 4, 1948, Serial No. 42,353
In Great Britain August 14, 1947
10 Claims. (Cl. 219—19)

1. An electrically-heated airer comprising a tubular frame including two upright members united by at least two horizontal rails placed one above another, said rails being of telescopic construction, electrical heating elements accommodated in said rails, and an electric circuit including switching means operable for selectively

energising said heating elements, said rails having telescopic joints capable of being easily parted so

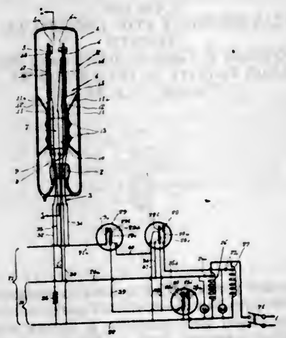


that access to the heating elements is obtained by separating the two sides of the frame.

2,494,862
METHYLOL PHOSPHITES
W E Craig, Philadelphia, and William F. Hester, Drexel Hill, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 7, 1947, Serial No. 767,317
3 Claims. (Cl. 260—461)

1. Compounds of the formula $(RO)_2POCH_2OH$ wherein R is a member of the class consisting of aliphatic hydrocarbon groups of not over twelve carbon atoms, chloroalkyl and chloroalkoxyalkyl groups of two to six carbon atoms, and the chloroethoxyethoxyethyl group.

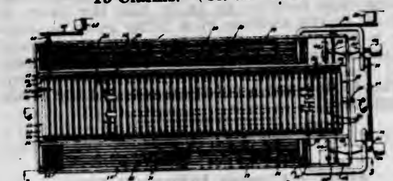
2,494,863
CALIBRATION OF THERMAL RELAYS
John J. Dietz, New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 30, 1944, Serial No. 565,976
17 Claims. (Cl. 175—320)



1. The method of reducing the timing of a sealed-in thermal relay to a predetermined value, said relay including a substantially evacuated casing and a temperature-responsive contact member, which comprises storing a gas in said casing out of contact with said members, and releasing a quantity of said gas according to the differential between the initial timing of the relay and said predetermined value.

14. A thermal relay comprising a movable temperature-responsive contact member, a relatively stationary cooperating contact member, an electrically-energizable heating member thermally associated with said movable contact member for operating said relay, an enclosing casing for said contact members and heating member, and a gas medium in said casing, said relay being characterized as having heat-flow paths of different lengths from said heating member which respectively influence the timing of the relay in different directions, the pressure of said gas medium in said casing being set to a value whereat the mean free length of path of the gaseous molecules is of the order of the effective length of the gaseous spacing in that of said heat-flow paths having unidirectional timing influence on said relay.

2,494,864
CAN COOLING MACHINE
Harry E. Erickson, Los Angeles, Calif., assignor to Cal Grove Products Co., Los Angeles, Calif., a partnership
Application November 18, 1946, Serial No. 710,637
15 Claims. (Cl. 62—104)

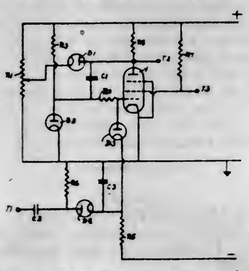


2. A canned goods cooling machine comprising a brine tank, refrigerant cooling coils in the tank, means for circulating brine around the coils and a conveyor incorporating a combined can agitator and can drive in said tank and comprising horizontally disposed endless belt means having pulleys therefor at opposite ends, an idler shaft for one end of the belt means and a drive shaft for the other end of the belt means, said drive shaft extending laterally from said tank, a pair of endless chains and a sprocket for one end of each rotatably mounted on the pulley drive shaft, the other ends of the chains being located at an end of the tank remote from the drive shaft and above the level of brine therein, a pair of sprockets for the last ends of the respective chains and a horizontal conveyor drive shaft for said last sprockets extending from the tank, horizontal parallel rollers extending between the chains, a part at least of the rollers in the upper lay of the chains being in frictional engagement with the belts and rotated by movement of the belts while the chains and rollers are being advanced.

2,494,865
TRIGGERED ELECTRONIC SWEEP GENERATOR
Brian Clifford Fleming-Williams and Alaric Allen, London, England, assignors to A. C. Cossor Limited, London, England, a British company
Application April 27, 1945, Serial No. 590,694
In Great Britain May 4, 1944
8 Claims. (Cl. 250—27)

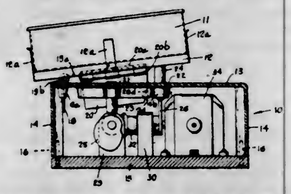
1. A thermionic valve circuit for the generation of potential sweeps consisting of linear sweeps and abrupt steps, comprising a valve amplifier having a cathode, an anode and a control grid, an output circuit including a source of current and a load impedance connected between

the cathode and the anode of said valve, a negative feedback path from the output to the input of the valve comprising a differentiating network having its input side connected between a point of constant potential and the anode of said valve and its output side connected between the cathode and the control grid of the valve, a resistor included in the connection between said



differentiating network and said control grid of the said valve, means to maintain a voltage drop across said resistor so as to bias the valve to cut-off in the absence of a firing pulse to initiate a potential sweep of the valve anode, and means responsive to a firing pulse to overcome said bias to such a degree that valve current begins to flow and a potential sweep of the anode is initiated.

2,494,866
AGITATING DEVICE
Alfred J. Fressola, Bridgeport, Conn.
Application August 19, 1947, Serial No. 769,411
14 Claims. (Cl. 95—99)

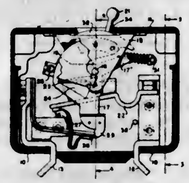


1. An agitating device comprising a base; a supporting plate; means mounting the supporting plate on the base for movement about a first axis spaced to one side of the center of the plate; means mounting the plate on the base for movement about a second axis located to one side of the plate and intersecting the first axis at a substantial angle at a point spaced from the center of the plate; and continuously operated means including gearing and drive elements actuated thereby to alternately apply a driving force to the plate to oscillate said plate alternately about said axes in predetermined timed relation.

2,494,867
REMOVAL OF FLUORINE FROM ORGANIC MATERIALS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application February 7, 1942, Serial No. 429,961
8 Claims. (Cl. 260—683.4)

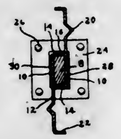
1. In a process for the catalytic conversion of hydrocarbons in the presence of a hydrogen fluoride catalyst, the improvement which comprises separating from effluents of said conversion at least a portion of the used liquid hydrogen fluoride which contains dissolved fluorine-containing organic impurities, subjecting said portion to fractional distillation to separate purified hydrogen fluoride from liquid organic impurities and recovering said purified hydrogen fluoride, subjecting residual liquid fluorine-containing organic impurities to an elevated temperature to decompose the same, forming hydrogen fluoride, and recovering hydrogen fluoride so formed.

2,494,868
CIRCUIT BREAKER
Leo F. Geremia, Wallingford, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application September 14, 1948, Serial No. 49,231
11 Claims. (Cl. 200—116)



3. In a circuit breaker, a stationary contact, a pivotally movable contact, means in common for moving said movable contact manually and automatically including a main spring and an overload release device having a bimetal arm and a trip member interlocked together under pressure of said spring, said spring being arranged to exert its greater force in rotating said movable contact and a lesser force in holding the contacts together and a separate toggle acting spring for opposing the action of said first-named spring upon said interlock and augmenting the action of the main spring when the trip member is released.

2,494,869
DOWEL ASSEMBLY FOR CONCRETE ROAD JOINTS
William S. Godwin, Baltimore, Md.
Application January 29, 1945, Serial No. 574,981
9 Claims. (Cl. 94—8)



1. A socket for road joint dowel assemblies comprising two similar sheet metal parts each having a flat elongated wall section, a flange along one longitudinal edge of such section, and a fin extending from the other edge in the plane of the section, said parts being assembled together in inverted relation to form an elongated socket of which the flat sections form the vertical walls and the flanges the top and bottom walls, means on said parts securing them together at one end and closing one end of the socket and means connecting the other ends of the parts together while leaving the end of the socket open.

2,494,870
APPARATUS FOR SEALING GLASS AND METAL MEMBERS
Alfred Greiner, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application February 17, 1944, Serial No. 522,820
17 Claims. (Cl. 49—2)

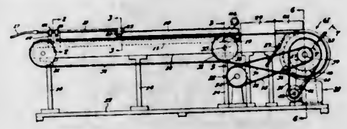


3. Apparatus for sealing tubular glass elements to opposite sides of a metal element to form an assembly for an electric device of the class described comprising a refractory support for the metal element, an induction coil surrounding a portion of the refractory support adapted to be connected to a source of high frequency current to cause the metal element to be heated, means for holding tubular glass elements on opposite sides of the refractory support, and means mounting said holding means for movement toward said support for pressing the ends of tubular glass elements against opposite sides of the metal element to cause said ends to be fused, upset and sealed thereto.

16. In apparatus of the class described, means for supporting a member comprising a tubular glass element, a vertically disposed spindle adapted to carry a metal element on its upper end, means mounting said spindle in alignment with said supporting means for movement toward and then retraction a predetermined distance away from said supporting means, gas burner passages extending longitudinally to the upper end of said spindle to direct gas flames against said metal element to fuse it to the glass element, said spindle also having a vacuum passage open at its upper end to securely hold said metal element during the aforesaid retraction of said spindle to stretch the seal.

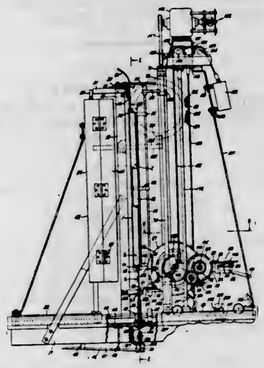
2,494,871
APPARATUS FOR BENDING GLASS TUBES
Alfred Greiner, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 27, 1944, Serial No. 534,536
6 Claims. (Cl. 49—7)

1. Apparatus for bending tubular glass elements comprising, means providing a heating zone, means adjacent the heating-zone to support and advance the glass element through said heating zone, a drum-shaped form disposed adjacent the path of travel of the heated glass element and adapted to receive the element in tangential relationship, said form having a peripheral groove for receiving the element therein, gripping means on said form for attaching an end of the heated glass element to the form and within the groove therein, and support means comprising a pair of aligned support shafts rotatably mounting said form for rotation about its axis to thereby cause the heated glass element to be bent around the



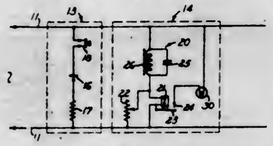
form within the groove therein, said form being divided into two disc-shaped sections each mounted on a respective one of said support shafts and being axially separable on their support shafts at said groove to provide an unobstructed space therebetween for removal of the bent glass element from said form by movement thereof through the said space.

2,494,872
METHOD AND APPARATUS FOR BENDING TUBULAR GLASS ARTICLES
Alfred Greiner, Cleveland Heights, and August W. Seitz, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application January 26, 1945, Serial No. 574,724
30 Claims. (Cl. 49—7)



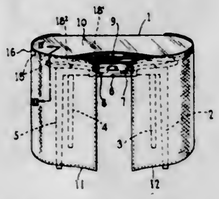
14. Apparatus for bending into arcuate shape a length of glass tube comprising means for supporting the tube including a back support arranged to extend along one side thereof, means in operative relation to said tube supporting means for heating the tube to approximately uniform plastic condition around its full circumferential extent and throughout its entire length, a rotatable and movable mold arranged to engage with the other side of the tube and to be located at one end of the tube with the tube tangent thereto, means for securing said one end of the tube to the periphery of the mold, and means for simultaneously rotating the mold and moving it bodily in a direction longitudinally of the tube to cause the tube to be wrapped around the periphery of the mold.

2,494,873
REMOTE-CONTROL UNIT
Willard C. Hall, Los Angeles, Calif., assignor to Helen D. Hall and Willard C. Hall, copartners doing business as Electronic Enterprises, Los Angeles, Calif.
Application February 18, 1948, Serial No. 9,150
5 Claims. (Cl. 171—97)



5. In a direct current means for remotely controlling the operation of an electrical load; a pair of electrical conductors carrying alternating current, an electrical load having one electrical side thereof connected to one of the conductors and another electrical side thereof connected to one electrical side of a switch, and means connecting the other electrical side of the switch to the other one of said pair of conductors, a relay coil for operating the switch, and a resistor in parallel therewith forming a double electrical path, a tuned current regulator in series connection with the mentioned double electrical path which provides a series-parallel hook-up, this hook-up having its ends electrically connected between the said pair of conductors; and a multiple connected rectifier, signal switch and resistor connected between the pair of conductors at some remote point thereof which causes electrical pulsations independent of the alternating current which pass through the conductors and through the relay coil to operate it when the signal switch is closed.

2,494,874
VANITY TABLE DRAPE
Alexander McD. Hess, New York, N. Y.
Application March 6, 1946, Serial No. 652,413
1 Claim. (Cl. 311—2)

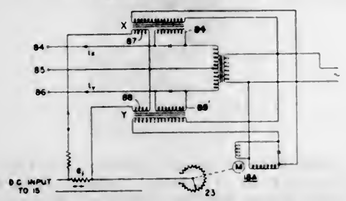


An article of furniture having a drape supporting edge arranged in one plane and a swinging arm attached to said drape supporting edge, arranged in a lower plane and swingable into and out of substantial vertical alignment with the drape supporting edge, a plurality of one part of two-part fasteners attached to the front faces of the drape supporting edge and swinging arm respectively, the fasteners on said drape supporting edge being out of horizontal alignment with those on said swinging arm, a tape having a plurality of the other cooperating part of said two-part fasteners arranged in two horizontal planes and cooperating respectively with the fastener parts on the drape supporting edge and the swinging arm, said tape being of stiff material and extending vertically above the drape supporting edge and the swinging arm, and a drape of decorative material attached to said tape.

2,494,875
DI-n-BUTYLAMINO MALONIC ACID-ETHYL-DIETHYLAMINOETHYL ESTER
Rudolf Hirt, Muri, near Berne, Switzerland, assignor to Dr. A. Wander A. G., Berne, Switzerland, a corporation
No Drawing. Application November 5, 1948, Serial No. 58,607. In Switzerland November 7, 1947
2 Claims. (Cl. 260—485)

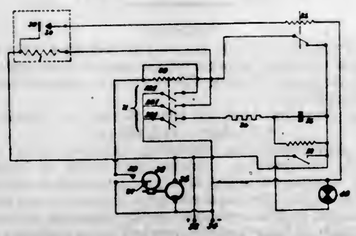
1. As a new product di-n-butylaminomalonic acid-ethyl-diethylaminoethylester.

2,494,876
ANTIHUNT ELECTRICAL MEASURING SYSTEM
Anthony J. Hornfeck, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 18, 1943, Serial No. 506,632
12 Claims. (Cl. 318—28)



1. A balanceable electrical network including in combination, a converter having means for converting a low-level direct current signal of reversible polarity into an amplified alternating current signal of reversible phase, a source of alternating current for the converter, a source of low-level direct current, electronic means selectively sensitive to the alternating current output signal of reversible phase, a reversible electric motor energized from the output circuits of said electronic means, means positioned by said electric motor to reduce said direct current signal, and electrical induction means connected in the output circuits of said electronic means and introducing a voltage into the input of said converter for accelerating changes in said input signal.

2,494,877
ICING INDICATOR
Jean Idrac, Paris, France, assignor to Groupement Français pour le Developpement des Recherches Aeronautiques, Paris, France, an endowed institution of France
Application December 30, 1946, Serial No. 719,295
In France December 31, 1945
6 Claims. (Cl. 177—311)



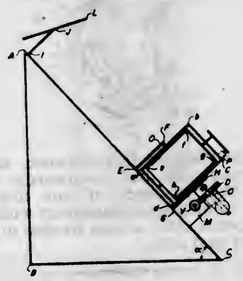
1. An electrically driven icing indicator comprising a fixed frame mounted adjacent to a surface to be controlled, an oscillatory shaft mounted on said frame perpendicular to said surface, a feeler hand fixed to said shaft to oscillate over said surface, a spiral spring between said frame and shaft for turning the latter in one direction, an electro-magnet and an oscillating armature therefor, said armature being fixedly connected to said shaft to turn it against the action of said spring when the said electro-magnet is energized, a switch including a fixed contact on said frame and a coacting movable contact carried by said shaft, an electrically-operated indicating device, a first circuit including the contacts of said switch, a second circuit including the winding of said electro-magnet, a third circuit including said indicating device, and means to intermittently and periodically energize the winding of said electro-magnet to alternately open and close said switch and to oscillate said shaft and its feeler hand during the time said surface is free from such ice formation as would stop the movement of said hand and suspend the periodic closing of said switch contacts, said means also closing the circuit of said indicating device a certain time after the movable contact of said switch is stopped by ice formation on said surface, said means further causing a continuing closure of the circuit through the winding of said electro-magnet to permit the contacts of said switch to close as soon as the ice formation holding said feeler hand melts.

2,494,878
ADJUSTABLE SKI STICK
Ole Walter Jensen, Skollerudveien Pr. Sandvika, Norway
Application September 28, 1948, Serial No. 51,499
In Norway March 13, 1948
3 Claims. (Cl. 287—58)



1. An adjustable ski-stick comprising two telescopically sliding tubes one inside the other and means for locking the tubes in adjusted relation comprising a cylindrical case frictionally slidable inside the outer section and having a threaded axial bore and an opening extending radially from said bore to the outer periphery of said case intermediate its ends, a clamp member loosely received in said opening and movable radially therein, a threaded spindle secured to the end of the inner tube and adapted to screw freely into the threaded bore of the said case, said spindle having a conical portion adapted to engage the clamp member and move it positively outwardly into locking engagement with the inner surface of the outer tube upon relative rotation of the case and spindle to screw the spindle further into the bore of the case, said case having resilient means for maintaining slight frictional engagement between the case and the outer tube section when the said clamp member is released, said resilient means and clamp member acting independently of one another.

2,494,879
APPARATUS FOR PROJECTING SUNLIGHT ONTO PUBLIC EXHIBITS AND ADVERTISING SUBJECTS
Jacques Journel, Paris, France
Application May 29, 1947, Serial No. 751,198
In France June 17, 1946
5 Claims. (Cl. 88—25)



1. Apparatus for intermittently directing solar illumination, comprising a supporting structure having a horizontal portion and an inclined portion forming an angle with said horizontal portion equal to the geographical latitude at the point of use, said horizontal portion being pointed toward noon, a first frame supported on said structure for rotation about an axis forming an angle with the horizontal equal to that of said inclined portion and in a plane parallel thereto, a second frame mounted within said first frame for rotation about an axis perpendicular to the axis of said first frame, a member having at least one light reflecting surface supported by said second frame for rotation therewith, first means for continuously rotating said first frame about its shaft at a speed of one revolution for each twenty-four hours, second means for rotating said second frame and said mirror thereon independently of the rotation of said first frame, and a second mirror mounted on said structure for rotary adjustment about an axis lying in the intersection of a plane parallel to the horizontal with a plane parallel to said inclined portion.

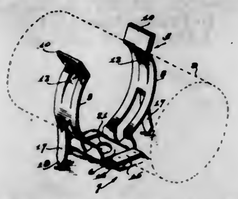
2,494,880
ALLYL BETA-ALLOXYPROPIONATE
Everett J. Kelley, Croyden, and Harry T. Neher, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 21, 1947, Serial No. 781,252
4 Claims. (Cl. 260—484)

1. A process for preparing allyl beta-alloxypropionate which comprises reacting together under the influence of heat a salt of hydracrylic acid and an allyl halide.

2,494,881
FASTENING DEVICE FOR CONDENSERS OR THE LIKE
Harold W. Kost, Birmingham, Mich., assignor, by mesne assignments, to Prestole Corporation, Toledo, Ohio, a corporation of Michigan
Application July 3, 1945, Serial No. 602,996
1 Claim. (Cl. 248—361)

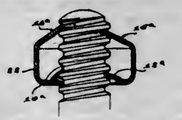
Condenser mounting means comprising in combination a sheet metal support, a pair of laterally spaced ears struck from said support to lie in outwardly spaced parallel relation thereto, a sheet metal condenser holder having a base portion pro-

vided with a pair of aligned flanges extending from opposite sides thereof to engage respectively between said ears and said support member, a pair of resilient upwardly extending arms rigid with said base and shaped to conform to the con-



denser to be engaged therebetween, and fingers inclining outwardly and downwardly from said arms and the free ends of said fingers being adapted to impinging engagement with the support on opposite sides of said flanges for resisting spreading of said arms.

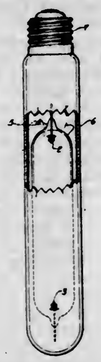
2,494,882
SHEET METAL NUT
Harold W. Kost, Birmingham, Mich., assignor, by mesne assignments, to Prestole Corporation, Toledo, Ohio, a corporation of Michigan
Application September 19, 1945, Serial No. 617,353
1 Claim. (Cl. 151—21)



A fastener for a screw comprising a sheet metal body portion, an upwardly projecting frusto-conical portion integral at its base with said body portion and having a free upper edge, said frusto-conical portion being slotted radially from said free upper edge, said free upper edge being deformed helically downward from one side of said slot to the other to engage the thread of a screw, an upstanding polygonally shaped flange integral with and continuously circumscribing said body portion, the sides of said flange being integral with one another and including a pair of substantially opposed sides, a pair of tongues extending inwardly and upwardly in a substantially straight line from the upper edges of said substantially opposed sides, the upper edges of said tongues being deformed to conform to the thread of the screw to which the fastener is applied whereby, upon tightening of the fastener on a screw said tongues flex axially so that said helically deformed upper edge and said tongues all bite in substantially the same direction into the threads of the screw securely to hold the fastener in place.

2,494,883
CASCADED FLUORESCENT MATERIAL
Ferdinand Anne Kröger and Jacob Voogd, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application October 23, 1946, Serial No. 705,227
In Belgium August 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 2, 1965
7 Claims. (Cl. 176—122)

1. In a generator of red light the combination of two layers of fluorescent materials one layer of which comprises cadmium borate activated with manganese excited by radiation having a wavelength less than 3250 Angstrom units and



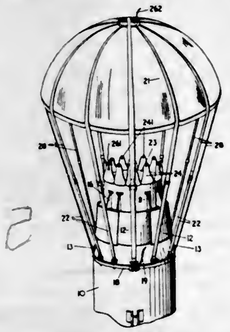
the other which comprises magnesium titanate activated with manganese and which is excited by radiation between 2700 to 5000 Angstrom units.

2,494,884
COMBINED FUEL PUMP, SELECTOR VALVE, AND STRAINER
Clyde V. Lassmann and Noel Naidenoff, Wichita, Kans., assignors to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application March 13, 1947, Serial No. 734,334
3 Claims. (Cl. 103—2)



1. A combined fuel pump, selector valve and strainer comprising a body member having a pump cylinder and a strainer chamber in closely adjoining relation, a valve seat at the foot of the pump cylinder, inlet ports opening into the side of the valve seat, a passage extending from the bottom of the valve seat into the strainer chamber, a passage extending from the strainer chamber to the pump cylinder and a delivery passage extending from the pump cylinder, a piston rotatably and reciprocally operable in said pump cylinder and provided with an external handle for rotating and reciprocating the same, a valve element rotatable in said valve seat and having a side port to register with said inlet ports and opening down through the bottom of the valve element to said passage leading to the strainer chamber and a telescopically engageable rotary drive connection between said piston and valve element enabling the piston to be pumped independently of the valve and the valve to be turned independently of the piston by simple reciprocating and rotary movements of said handle and whereby all liquid passing to and delivered by the pump will be strained whichever inlet port is selected by the valve, a readily removable closure for the bottom of the strainer chamber and a screen carried by and removable with said closure, said closure including a plug carrying said screen and a plate rotatably engaged therewith and having hooked ends, screw studs dependent from the body member in line with said hooked ends and nuts on said screw studs for engagement by said hooked ends and one at least being hand operable for quick tightening or releasing hand adjustments.

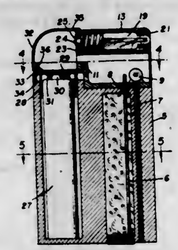
2,494,885
BOMB AND OTHER STORES CONTAINERS FOR DROPPING FROM AIRCRAFT
Walter Lennard Lax and James Harrison, South Farnborough, England
Application June 29, 1945, Serial No. 602,224
In Great Britain July 1, 1944
11 Claims. (Cl. 102—4)



1. A device adapted for dropping from aircraft comprising a body portion and tail tube in combination with an expansile drum tail of greater diameter when expanded than the bomb, a plurality of segments forming the drum tail and adapted when contracted to lie within the maximum diameter of the bomb, a parallelogram linkage by which each segment is connected to the tail tube, a band extending circumferentially of the body to maintain the linkage and drum collapsed during stowage, pins retaining the ends of the band together, a cord connected to one of the pins by which it is withdrawn to release the band and a parachute connected to the linkages by which said linkages and segments are moved to erect the drum tail on the release of the band.

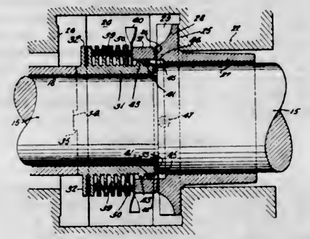
2,494,886
COMBINATION CIGARETTE LIGHTER AND FLASHLIGHT
Max Leif, Brooklyn, N. Y.
Application February 26, 1947, Serial No. 730,910
1 Claim. (Cl. 240—6.4)

An elongated pocket case having a flashlight battery therein whose longitudinal axis is parallel to the longitudinal axis of the case and an exposed terminal on the battery, a first cover hingedly and resiliently mounted on said case, a second cover overlapping said first cover hingedly and resiliently mounted on said case and overlying said terminal, an elongated bulb removably secured to said first cover, the longitudinal axis of said bulb being substantially perpendicular to the longitudinal axis of said battery when said first cover is in a fully closed position, an apertured cap on said battery about said ter-



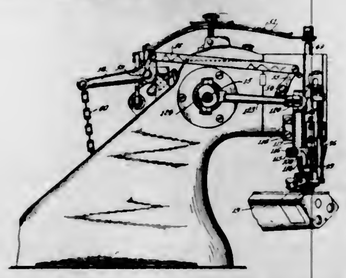
minal, and a lug projecting inwardly and downwardly from said second cover to engage said cap and hold the battery down when said second cover is in a closed position, the base of said bulb being adapted to contact said terminal when said first and second covers are in a fully opened position.

2,494,887
SEAL FOR CONVEYING APPARATUS
Herbert S. Lenhart, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application February 12, 1946, Serial No. 647,046
4 Claims. (Cl. 286—11.15)



4. A seal device for sealing an opening in the wall of a casing, which comprises a shaft extending through the opening, a bushing extending through the opening and loosely encircling the shaft, the bushing having a flange lying against and secured to the wall of the casing around the opening, the flange having a sealing face, a bushing closely encircling the shaft outside the casing and rotating with the shaft, a seal ring of self-lubricated material loosely encircling the rotary bushing, means connecting the seal ring to the rotary bushing to rotate therewith, spring means pressing the seal ring along the shaft to make sealing contact with the sealing face on the flange, a ring of resilient material closely encircling the rotary bushing and supporting the seal ring thereon for limited axial and radial movement thereto, and circumferential flanges on the rotary bushing within the seal ring and radially spaced therefrom, said flanges lying on opposite sides of the resilient ring to limit movement thereof lengthwise of the bushing and also radial movement of the seal ring relative to the rotary bushing.

2,494,888
SEWING MACHINE
Harold J. Le Vesconte, Glendale, Calif., and Albert M. Schweda and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application August 9, 1945, Serial No. 609,766
14 Claims. (Cl. 112—214)



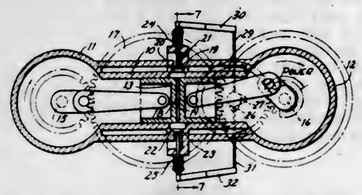
1. In a sewing machine including a main drive shaft, a work arm over which material is fed past stitch-forming instrumentalities, and feed mechanism for said material comprising a presser bar mounted for movement toward and away from said work arm and a feed roller journalled at the lower end of said presser bar and adapted to engage the material on said work arm for feeding the same thereon, the improvement which comprises means for driving said feed roller from said main drive shaft comprising, one-way clutch means within said feed roller, an eccentric on said main drive shaft, a pitman actuated thereby, a vertical rock shaft adjacent said presser bar connected with said pitman for oscillation thereby about the axis of said shaft, and a driving lever actuated by the rocking of said rock shaft, said driving lever being operatively connected to said clutch, whereby said feed roller is intermittently rotated in one direction.

2,494,889
GAS PISTON OPERATED FIREARM
Bernard Maillard, Geneva, Switzerland, assignor to "Brevets Aero-Mecaniques" S. A., Geneva, Switzerland, a society of Switzerland
Application February 13, 1948, Serial No. 8,173
In Luxemburg, March 8, 1947
6 Claims. (Cl. 89—191)



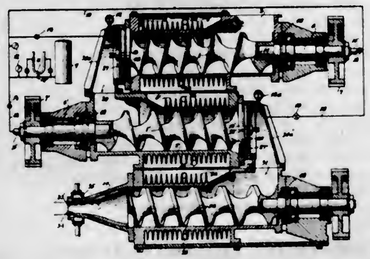
1. A breech recoil operated firearm which comprises, in combination, a barrel, a breech casing at the rear end of said barrel, a reciprocating breech system guided in said breech casing, said barrel being provided with at least one longitudinal bore, a rod having at least its rear portion guided in said bore and its rear end in contact with the front part of said breech system in the front position of said system, a piston carried by the front end of said rod, and a cylinder surrounding said piston for cooperation therewith and carried by said barrel, the front part of said cylinder being in communication with the inside of said barrel.

2,494,890
INTERNAL-COMBUSTION ENGINE
Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application April 18, 1946, Serial No. 663,039
27 Claims. (Cl. 123—51)



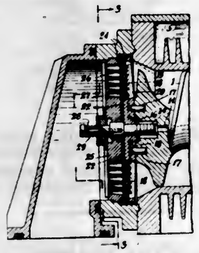
7. In an internal combustion engine, a cylinder having valve controlled centrally disposed intake and exhaust ports, two opposed differentially operating pistons in said cylinder, a separate crankshaft for each piston, means connecting said shafts to cause them to operate at a two-to-one ratio with the slow piston operating in the manner of a four-cycle engine piston, with the crank of the slow traveling piston substantially 45° past inner dead center when the crank of the fast traveling piston is at inner dead center whereby during the compression stroke of the slow piston the differential movements of the pistons cause a charge first to be compressed, then to be partially relieved and then finally compressed for firing whereby a churning of the charge to prevent condensation occurs, and means to open the intake port to admit a charge during the intake stroke of the slow traveling piston and to open the exhaust valve to permit exhaust during the exhaust stroke of said slow traveling piston.

2,494,891
PROCESS AND APPARATUS FOR MAKING FLOATING SOAP
Donald E. Marshall, Summit, N. J., assignor to Colgate-Palmolive-Peet Company, a corporation of Delaware
Application May 2, 1945, Serial No. 591,553
14 Claims. (Cl. 252—367)



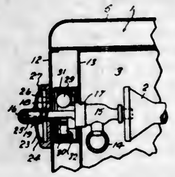
1. In an apparatus for homogenizing, compacting and extruding a material such as soap, the combination which comprises a plodder having a barrel and a worm operating in the barrel for compacting and feeding forward a material supplied to the plodder, a comminuting head located at the end of the worm for spreading the material being fed forward by the worm, a drive for said comminuting head, a foraminous plate located behind the comminuting head and upon which

the material is spread and then forced through by said comminuting head, means located at the comminuting head for injecting a compatible gas into the material as said material is spread on and forced through the foraminous plate whereby particles of the gas are incorporated in and uniformly distributed throughout the material.



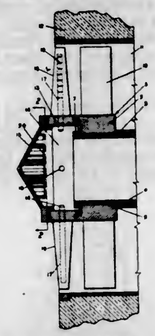
9. A process for aerating milled soap, comprising the steps of continuously compacting unheated milled soap chips and progressively feeding said compacted soap chips forward, shredding and aerating the soap by forcing the compacted soap through openings in a foraminous plate extending across the direction of flow of said soap and forcing particles of gas with the soap through said openings whereby the particles of gas are enveloped by said soap to form aerated shreds of said soap, maintaining gas pressure on the gas containing soap shreds leaving said plate to retain occluded gas, and then mechanically compacting said shreds into bars of aerated milled soap which float, said process being carried out while maintaining the soap in solidified condition.

2,494,892
INDICATOR FOR COOKING RANGES
Charles M. Mayer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application April 13, 1948, Serial No. 20,678
6 Claims. (Cl. 177—311)



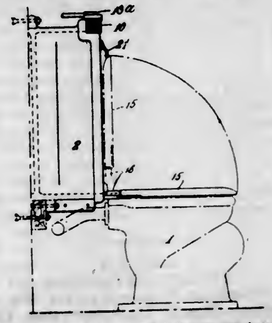
1. In an indicating mechanism for visually indicating the condition of a range heating element, the combination of an enlarged aperture through a front wall of the range, an operating stem through which the operation of the heating element is controlled projecting out through said aperture, an operating handle removably secured to the outer end of said operating stem, a translucent indicator disc loosely mounted upon said operating stem between said operating handle and the front wall of the range in position to cover said aperture, an electric bulb disposed behind said front wall in position to project light when energized through said aperture and said indicator disc, and means operative when said heating element is in operative condition to energize said electric bulb, said operating handle having a circular opaque base of slightly less diameter than the diameter of said indicator disc, said circular base being disposed closely adjacent said indicator disc whereby only a narrow ring of light is visible when said bulb is energized.

2,494,893
ROTARY BURNER WITH INTERRUPTED ANNULAR FINNED COVER PLATE
Charles O. Meyers, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 11, 1945, Serial No. 615,609
2 Claims. (Cl. 158—118)



1. A burner of the class described comprising in combination a stationary fuel supply pipe; a fuel spray head rotatably mounted on the outlet end of said pipe, said head forming a central fuel chamber; fuel spraying arms radially disposed relative to said chamber; a cover plate closing the end of said chamber opposite said pipe outlet; and co-axially disposed annular interrupted cooling fins on said cover plate and in said chamber, whereby fuel flowing from said supply pipe contacts said fins in heat exchange relation thereby cooling said cover plate and maintains it at a temperature below its melting point.

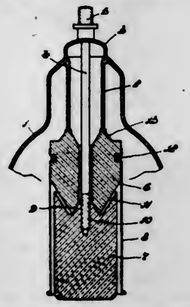
2,494,894
SANITATION DEVICE
James Monaghan, Bournemouth West, England
Application October 21, 1943, Serial No. 507,129
In Great Britain July 5, 1943
16 Claims. (Cl. 21—93)



1. A sanitation device which comprises a chamber having an opening, electrical sanitising means fixedly mounted within the chamber, a closure for closing the opening mounted for rotation at the front of the chamber, a pair of arti-

cles to be treated pivotally mounted on opposite sides of the closure with one article within the chamber and the other outside the chamber when the closure is in position to close the opening, the article outside the chamber being movable on its pivot from a position in which its plane is substantially parallel to the axis of rotation of the closure to a second position in which its plane intersects the plane of the closure, and means for locking the closure in position with one article within the chamber and the other exposed.

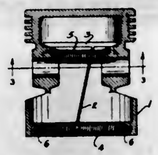
2,494,895
ELECTRIC DISCHARGE TUBE WITH PROTECTED ELECTRODE INLET
Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford Conn., as trustee
Application July 20, 1946, Serial No. 685,210
In Belgium May 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 2, 1965
3 Claims. (Cl. 250—27.5)



1. An electric discharge tube comprising an envelope having a tubular re-entrant portion, a lead-in conductor positioned within said re-entrant portion and extending from the ends thereof, one end of said lead-in conductor being hermetically sealed to said envelope at the outer end of said re-entrant portion, a cylindrical electrode member having a coaxially positioned conical cavity and a conical portion extending from the bottom of said cavity at one end of said electrode member said electrode member being coaxially secured to said lead-in conductor at the said end thereof, a ceramic cylindrical member interposed between the inner end of said re-entrant portion and said electrode member and surrounding said lead-in conductor, said ceramic member having one end thereof abutting and fused to the said inner end of said re-entrant portion and having the other end thereof provided with a conical portion and a coaxially arranged conical aperture said ceramic body engaging said conical portion of said electrode member at said conical aperture, and a tubular screen member coaxially surrounding said electrode member and said ceramic member and secured to said ceramic member.

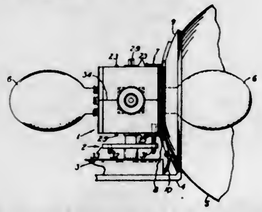
2,494,896
PISTON EXPANDER
Arden J. Mummert, University City, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application December 20, 1946, Serial No. 717,495
9 Claims. (Cl. 309—12)

1. An expander for use with an internal combustion engine piston having a slit skirt which is subject to vibration, comprising a lengthwise compressible spring having a length when free and unconfined substantially in excess of, but being compressible to a length approximating, the internal periphery of the piston skirt, said spring



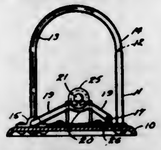
having a multiplicity of turns yieldable relative to each other to vary the space between adjacent turns, and said spring being adapted to engage the internal periphery of the piston at each turn.

2,494,897
LAMP HOLDER
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Original application April 27, 1944, Serial No. 532,938. Divided and this application May 11, 1946, Serial No. 669,144
3 Claims. (Cl. 240—37)



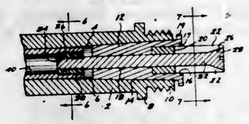
1. A lamp holder comprising an electrically insulating support block having a recess in one of its faces and a pair of internal passages extending from and transversely to the recess to the outside of the block, a socket for a lamp base mounted in the recess, a strip of insulating material extending transversely through said recess and along said passages and spaced electrical conductors attached to said strip and to said socket for holding said socket in said recess and extending from said socket through said passages to the outside of said block for engaging the terminals of a power source for the lamp, said block being separable longitudinally of the recess and transversely of the passages for insertion and removal of the socket.

2,494,898
ARCH TYPE LOOSE-LEAF BINDER
Charles C. Rea, Poland, Ohio
Application July 23, 1946, Serial No. 685,667
2 Claims. (Cl. 129—11)



1. An arch type loose leaf binder including a base member, a pair of vertically standing members thereon and a member movably positioned thereon and forming two partial arch shaped members for engaging the said vertically standing members to complete two separate arches, a portion of the said member forming the partial arches being shaped into oppositely inclined sections spaced by a slight depression at the apex of the said inclines, a lever pivoted to the said base member, a roller carried on the said lever and engaging the said inclined sections and spring means normally urging the said inclined sections of the member forming the partial arches against the said roller.

2,494,899
EXPANDING MANDREL
Thomas G. Ross, Milwaukee, Wis.
Application September 2, 1947, Serial No. 771,579
3 Claims. (Cl. 279—2)



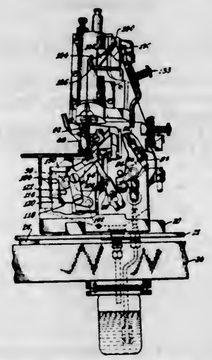
1. In a mandrel for a lathe spindle having a bore with a conical-shaped outer end and having a torque tube therein, the combination which comprises an anchor plug having a conical-shape outer surface corresponding with the conical-shape outer end of the bore of the spindle and having a bore with a counterbore in the outer end, an actuator pin with a conical shaped head and having a threaded inner end extended through the said anchor plug, an adapter plug with a threaded outer surface and having a threaded bore threaded on the inner end of the adapter pin and positioned to be threaded into the torque tube of the spindle, and a mandrel body having a bore with a conical-shaped outer end corresponding with the conical-shaped head of the actuator pin and having spaced slits extended inwardly from the said outer end positioned on the outer end of the actuator pin and extended into the said counterbore of the anchor plug, the outer end of said actuator pin being provided with tool engaging means whereby the actuator pin is screwed into the adapter plug to extend the mandrel body.

2,494,900
COMBINED TABLE AND BENCH
Gad Rosenbaum, Detroit, Mich.
Application May 9, 1945, Serial No. 592,825
4 Claims. (Cl. 155—43)



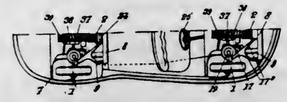
4. An article of furniture comprising a table including a frame having vertical, spaced, connected end sections and a top mounted horizontally thereon, seats at opposite sides of the table tiltably mounted for movement from a horizontal position for use to a vertically disposed folded position, table-top sections, and supports pivoted to the legs and the said table-top sections and mounting the table-top sections for movement from a horizontal position flat upon the first table-top to an upright position back of said seats, said supports being pivotally and slidably connected with said seats and constituting means for releasably supporting the seats in position for use and in a folded position.

2,494,901
SEWING MACHINE
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1946, Serial No. 702,928
13 Claims. (Cl. 112—162)



1. In an overedge sewing machine, a needle, an under looper mechanism having oscillatory parts including a thread carrying under looper, an overedge looper mechanism having oscillatory parts including an overedge looper, means for actuating said needle and looper mechanisms in timed relation to form a stitch, and thread take-up devices associated with said thread carrying under looper consisting solely of stationary thread guides, and a plurality of movable guiding means supported from the oscillatory parts of said overedge looper mechanism and guiding means on said under looper arranged to engage said thread at progressive points in its path in such manner that the relative movements of said overedge looper mechanism and of said under looper are effective to take up the thread.

2,494,902
FRONT AND REAR ENGINE WHEEL DRIVE UNIT FOR ROAD VEHICLES
Roger Laurent Jean-Baptiste Sanmori, Monaco, Monaco
Application March 1, 1946, Serial No. 651,341
In France September 25, 1945
6 Claims. (Cl. 180—54)



1. A road vehicle which comprises, in combination, a main structure, including a continuous external beam, a body carried by said beam and a floor for said body extending along the intermediate portion of said body, at least two intermediate frames each including a cross member and two side elements, so as to be of general U shape, adapted to fit in said main structure inside said beam, one ahead of said floor and the other at the rear thereof, with their respective cross members at the front, means for detachably securing the ends of said cross members to said external beam, means for detachably securing said

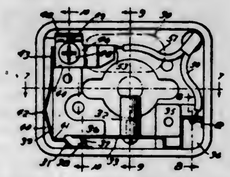
side elements to said body, a pair of wheels mounted on each of said intermediate frames inside said external beam, an engine carried by each intermediate frame, between the branches of the U, and power transmitting means between each engine and the pair of wheels mounted on the same intermediate frame.

2,494,903
ELECTRICAL HEATING ELEMENT FOR OVENS
Robert G. Sheidler, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application February 27, 1948, Serial No. 11,765
6 Claims. (Cl. 219—35)



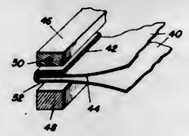
1. In a device of the character described the combination of an oven having top, bottom and side walls and a rear wall, an electric socket secured to the rear wall of said oven, a pair of buttons adjacent the front of said oven, one of said buttons being rigidly secured to the bottom of said oven and the other of said buttons being secured to a side wall of said oven, an electric heating element disposed at an angle to the bottom and to the side walls of said oven adjacent a lower corner thereof and extending substantially the full length of said oven from the front to the rear thereof; said heating element including two spaced parallel end sections and an elongated central section secured to and extending between said end sections, an electric plug secured to one of said end sections and engaging said electric socket, and a pair of tabs secured to the other of said end sections at right angles to each other and engaging said pair of buttons.

2,494,904
CONTROL UNIT FOR INDICATORS OF COOKING RANGES
Robert G. Sheidler, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application April 13, 1948, Serial No. 20,614
4 Claims. (Cl. 177—311)



1. In a cooking range having a translucent indicator which is adapted to be illuminated when a burner is operated, means operated by the rotation of a burner operating stem for controlling the illumination of said indicator, said means comprising; a casing through which a burner operating stem projects, an electric bulb having a screw threaded base mounted in said casing and adapted when energized to project light against said indicator, a bracket secured to the rear wall of said casing, a narrow resilient tongue secured to said bracket and extending forwardly and upwardly from said bracket over a boss in said casing and adapted to engage one of the screw threads in the base of said bulb, a removable cover which engages the base of said bulb and holds said base in engagement with said tongue and said boss, a switch in said casing operative to control the energization of said bulb, and cooperating means between said switch and said burner operating stem through which said switch is opened and closed by the rotation of said stem.

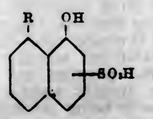
2,494,905
METHOD AND APPARATUS FOR HEAT SEALING
Harold F. Shumann, Pittsburgh, Pa.
Application September 11, 1946, Serial No. 696,191
6 Claims. (Cl. 93—35)



3. The method of selectively heat sealing to one another less than all of a plurality of superimposed plies of flexible material capable of being heat sealed readily to one another under heat and pressure, comprising applying sufficient heat to the exposed surface of an outer one of said plies to seal said outer ply to the adjacent inner ply, withdrawing heat from the exposed surface of the opposite outer ply at a rate sufficient to maintain the interface between the latter ply and the next innermost ply at a temperature below that required to seal together the last named plies, and pressing all of said plies into pressure contact with one another.

2,494,906
CYAN COMPONENT FOR DIAZOTYPE COLOR PROCESS
Sam C. Slifkin and Thaddeus J. Trojnar, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 6, 1947, Serial No. 753,036
4 Claims. (Cl. 95—6)

1. Light sensitive diazotype material for use in producing a cyan record in the diazotype color process comprising a transparent base carrying as a light sensitive diazo compound a diazotized p-phenylene-diamine in which one of the amino groups is di-substituted by members selected from the class consisting of alkyl and hydroxyalkyl and as the azo component a compound of the following formula:

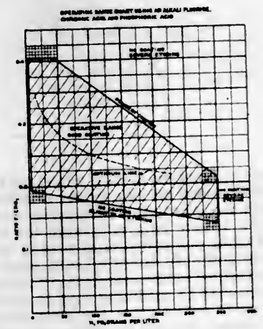


wherein R is a member selected from the class consisting of hydroxyl, amino, acylamino, alkylamino, and arylamino.

2,494,907
BEECOMB FOUNDATION
Arthur V. Small, Augusta, Kans.
No Drawing. Application November 18, 1947, Serial No. 786,791
4 Claims. (Cl. 6—11)

1. As a new article of manufacture, beecomb foundation sheeting having sodium sulfathiazole incorporated in the body of the same.

2,494,908
METHOD OF COATING FERRIFEROUS METALS AND ZINCIFEROUS METALS
Frank Palin Spruance, Jr., Ambler, and James H. Thirsk, Wyncote, Pa., assignors to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
Application February 7, 1947, Serial No. 727,269
4 Claims. (Cl. 148—6.16)



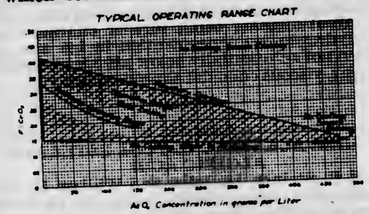
1. A process for coating ferriferous and zinciferous metals which consists in treating the surface with an acid aqueous solution until a coating is formed; the essential active coating-producing ingredients of which solution are fluoride ion, dichromate ion, phosphate ion and hydrogen ion, the ions being present in amounts stoichiometrically equivalent to

	Grams per liter
Fluorine	0.9 to 12.5
Chromic acid (CrO_3)	3.75 to 60.0
Phosphate (PO_4)	2 to 285

the ratio of fluoride ion to dichromate expressed as $F:CrO_3$, being between 0.135 and 0.405; the pH of the solution being between about 1.6 and 2.2, as measured by the lowest value indicated by a glass-electrode pH meter within the first ten minutes of immersion of the electrode in the solution; and drying the coated surface.

2,494,909
METHOD OF COATING COPPER, BRASS, TERNEPLATE, MAGNESIUM, ZINCIFEROUS AND FERRIFEROUS METALS
Frank Palin Spruance, Jr., Ambler, and James H. Thirsk, Wyncote, Pa., assignors to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
Application February 28, 1947, Serial No. 731,570
4 Claims. (Cl. 148—6.2)

1. A process for coating copper, brass, terneplate, magnesium, zinciferous and ferriferous surfaces which consists in treating the surface with an acid aqueous solution until a coating is formed; the essential, active coating-producing ingredients of which solution are fluoride, dichromate, arsenate and hydrogen ions, the ions being present in amounts stoichiometrically equivalent to



	Grams per liter
Fluorine	0.9 to 12.5
Chromic acid (CrO_3)	3.75 to 60.0
Arsenate (AsO_4)	3.24 to 462

the ratio of fluoride ion to dichromate, expressed as $F:CrO_3$, being between 0.135 to 0.405; the pH of the solution being between about 1.4 and 2.8, as measured by the lowest value indicated by a glass-electrode pH meter within the first ten minutes of immersion of the electrode in the solution; and drying the coated surface.

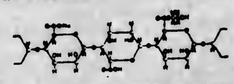
2,494,910
METHOD OF AND COMPOSITION FOR COATING ALUMINUM
Frank Palin Spruance, Jr., Ambler, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application July 12, 1948, Serial No. 38,192
7 Claims. (Cl. 148—6.16)

3. In a process for coating metal chosen from the group consisting of aluminum and alloys thereof in which aluminum is the principal ingredient with an adherent coating, the step which consists in subjecting the metal to the action of an aqueous solution the essential active coating-producing ingredients of which are fluoride ion, dichromate ion and phosphate ion, the ions being present in amounts equivalent to

	Grams per liter
Phosphate ion	1.5 to 300
Dichromate ion (Cr_2O_7)	3.5 to 150
Fluoride ion	0.75 to 95

the ratio of the dichromate ion to fluoride ion expressed to $CR_2O_7:F^-$ being between 1:0.375 and 5.45 and the pH of the solution measured colorimetrically lying between 3.2 and 7.0.

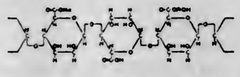
2,494,911
HIGH-STABILITY GLYCOL ALGINATES AND THEIR MANUFACTURE
Arnold B. Steiner, La Jolla, and William H. McNeely, San Diego, Calif., assignors to Kelco Company, San Diego, Calif., a corporation of Delaware
Application December 22, 1945, Serial No. 636,938
20 Claims. (Cl. 260—209.6)



15. A modified, fully water-soluble, solid glycol alginate in which from five percent to thirty percent of the carboxyl groups of alginic acid are combined with a base, in which a part not to

exceed twenty percent of the carboxyl groups are unreacted, and in which the remainder of the carboxyl groups are esterified with an alkylene oxide, said glycol alginate being further characterized by a hydrogen ion concentration in 1% aqueous solution not substantially below pH 3.5, and yielding clear, viscous colloidal aqueous solutions.

2,494,912
HIGHER ALKYLENE GLYCOL ESTERS OF ALGINIC ACID
Arnold B. Steiner, La Jolla, and William H. McNeely, San Diego, Calif., assignors to Kelco Company, San Diego, Calif., a corporation of Delaware
Application January 20, 1947, Serial No. 723,116
10 Claims. (Cl. 260—209.6)



1. The method of modifying alginic acid to render it water-soluble which comprises: treating said acid with a 1,2 alkylene oxide containing not less than six nor more than eighteen carbon atoms, in the presence of water and of a mutual solvent for water and for said oxide.

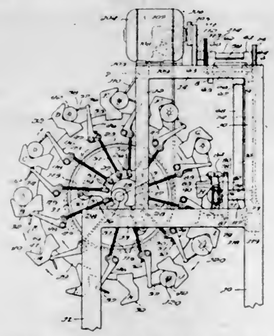
2,494,913
SHUTTLE BOX FOR LOOMS
Francis J. Sullivan, Ansonia, and Arthur R. Abbott, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. a corporation of New York
Application April 10, 1948, Serial No. 20,306
7 Claims. (Cl. 139—183)



1. A shuttle box for looms comprising, a bottom and a back uprising therefrom, the back having a substantially straight inner surface, a shuttle arresting shoe and a shuttle aiming piece mounted in substantial alignment on said bottom and adjacent its edge that is distant from the back, said shoe and aiming piece having at least part of their inner surfaces substantially straight, said part of the inner surface of the shoe normally lying at an angle to the inner surface of the back and said part of the inner surface of the aiming piece normally lying in substantial parallelism with the inner surface of the back, and means for angularly adjusting said shoe and aiming piece with respect to the back.

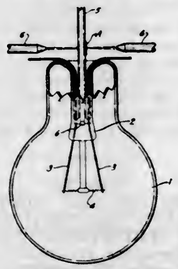
2,494,914
MACHINE FOR CLIPPING ONIONS AND THE LIKE
Joe R. Urschel and Gerald W. Urschel, Valparaiso, Ind.
Application September 13, 1944, Serial No. 553,868
16 Claims. (Cl. 146—83)

1. In an onion clipping machine of the character disclosed and having a support, a shaft carried by the support, and a wheel rotatable on said shaft; the combination therewith of a series of onion carrying cradles spacedly arranged along the peripheral portion of said wheel and connected thereto to extend radially outward from said peripheral portion of said wheel, rotary clipping means carried by said support and located in a locus radially outward of said peripheral portion and adjacent to the path of travel of said cradles, said rotary clipping means comprising a cutting element for cutting off an end portion of the onion carried by a cradle as said cradle travels by said clipping means in said path of travel, clamping members pivotally connected to said wheel and extending radially outwardly beyond



said peripheral portion of said wheel and opposite said cradles, a cam on said shaft and having an axis located in eccentric relation to the axis of said shaft, a spider ring rotatable on said cam, connecting links pivotally connected to said wheel and to said ring for turning said ring on said cam as said wheel turns, connecting means operatively connected to said ring and to said clamping members to move said clamping members to and from clamping position with onions on said cradles as said connecting means moves with said ring.

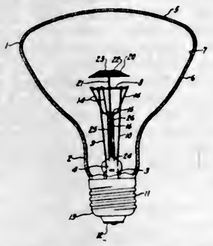
2,494,915
METHOD OF GAS-FILLING AND SEALING VESSELS
Johannes Marinus van der Poel, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application April 24, 1946, Serial No. 664,464
In the Netherlands April 16, 1942
6 Claims. (Cl. 316—19)



1. The method of gas filling and sealing a vessel provided with a depending vitreous tube which includes the steps of filling the vessel with gas to a pressure corresponding approximately to the pressure of the ambient atmosphere, heating and establishing in a portion of the said tube a temperature differential between its inner and outer walls such that the inner wall is sufficiently

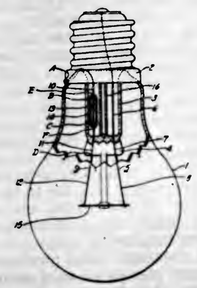
plastic for sealing whereas the outer wall is sufficiently rigid to withstand material deformation by internal gas pressure substantially exceeding that of the said ambient atmosphere, and then filling the vessel with gas to a pressure substantantially exceeding that of the ambient and pinching the said tube portion to seal it off.

2,494,916
ELECTRIC LAMP WITH BLACKENING COLLECTOR
Irving H. Van Horn, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application February 21, 1948, Serial No. 9,984
9 Claims. (Cl. 176—16)



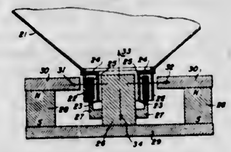
1. An electric incandescent lamp comprising a sealed glass bulb having a reentrant stem provided with a tubular chamber open to the interior of the bulb, a pair of lead-in wires sealed through said stem and extending into the bulb, a filament in said bulb connected to said lead-in wires, a blackening collector in said bulb adjacent said filament, and support means secured at one end to said blackening collector and having its other end extending into said tubular chamber and resiliently engaging the walls of said chamber to hold the support means in place therein.

2,494,917
FUSE LEAD FOR ELECTRIC LAMPS
Johannes Antonius Maria van Liempt, Eindhoven, Netherlands, assignor to General Electric Company, Schenectady, N. Y.
Application December 4, 1946, Serial No. 714,078
In the Netherlands October 6, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 6, 1962
4 Claims. (Cl. 200—120)



1. A fuse structure comprising an elongated conductor having a portion of its length constituted by a fuse element, a tube of vitreous material closely surrounding said fuse element and fusion-sealed at its ends to said conductor to hermetically seal the fuse element within said tube, and a coating on said fuse element of a material which will not decompose under dissociation and which vaporizes at a temperature above the fusion temperature of said tube but below the melting point of said fuse element and the vapor of which possesses arc-extinguishing properties, said material being selected from the group consisting of zinc sulphide and molybdenum oxide.

2,494,918
INDUCTIVELY ENERGIZED ELECTRO-DYNAMIC LOUD-SPEAKER
Walter K. Volkers, Schenectady, N. Y., assignor to Volkers & Schaffer, Inc., a corporation of New York
Application September 17, 1946, Serial No. 697,588
1 Claim. (Cl. 179—115.5)



An electro-mechanical transducer comprising, in combination, a magnetic structure including an annular pole piece surrounding a central core and providing an annular air gap surrounding said core and including means for establishing a radial exciting field in said gap, an annular coil mounted in fixed position within said air gap and in spaced relation with both gap-forming members to provide concentric component air gaps of annular form on radially opposite sides of said coil, and a vibratory armature comprising a pair of concentric magnetic cylindrical members positioned within said component air gaps and mounted for vibration parallel with the axis of said coil.

2,494,919
SOCKET FOR HOLDING A CRYSTAL
Louis R. Wanner, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., a corporation of Pennsylvania
Application February 2, 1948, Serial No. 5,822
7 Claims. (Cl. 171—327)

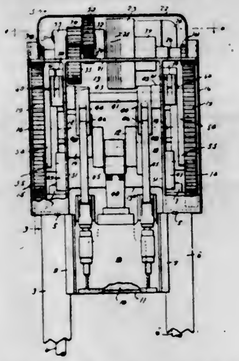


1. A crystal holder of the character described comprising a base member of insulating material, a pair of elongated prongs secured to said base member in laterally spaced relation and with their axes substantially parallel to each other, and a spring clip fixedly secured to said base member between said prongs, said clip having an arcuately shaped freely extending portion disposed to one side of and with its concave surface presenting toward the plane common to the prong axes, said clip being operative conjointly with said prongs to resiliently hold a crystal unit therebetween.

2,494,920
METHOD OF COATING WITH ORGANOPOLYSILOXANES
Earl Leathen Warrick, Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application July 25, 1945, Serial No. 607,101
6 Claims. (Cl. 117—121)

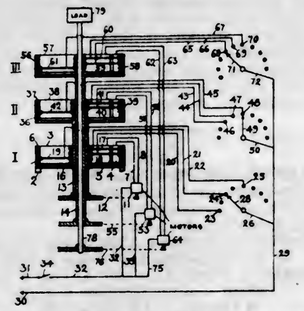
1. The method which comprises applying a mixture of a toluene soluble organopolysiloxane in liquid state, an inorganic filler melting above 350° C. and a diacyl peroxide in amount less than 8 per cent by weight based upon the weight of the polysiloxane but in amount sufficient to promote curing of the siloxane to a tack-free state, the filler being present in such proportion as to form a paste, to a base member to form a coating thereon of between 0.1 and 7 mils thickness, raising the temperature of said coating to at least 180° C. but not above 400° C. within 2 minutes and maintaining the temperature within the range of 180° C. to 400° C. until the coating is cured, the organic substituents of said organopolysiloxane being monovalent hydrocarbon radicals attached to the silicon through carbon to silicon linkages, there being on the average between 1.75 and 2.25 of said radicals per silicon atom and there being present in the siloxane at least 60 mol per cent of the structural unit corresponding to the formula R_2SiO where R is an alkyl radical, and said diacyl peroxide containing at least one aromatic acyl radical.

2,494,921
SHEET METAL WORKING PRESS
John N. Weiland, Cleveland, Ohio, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio, a corporation of Ohio
Application September 26, 1947, Serial No. 776,215
3 Claims. (Cl. 113—38)



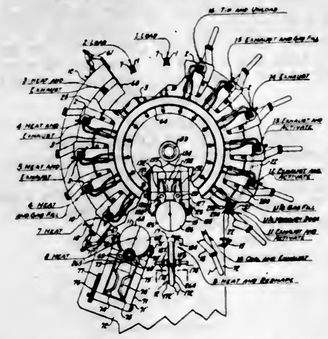
1. In a device of the character described, the combination of a base, a pair of spaced uprights extending upwardly from said base, a crown removably mounted upon the upper ends of said uprights and spanning the space therebetween, a blankholder slide reciprocally supported by said uprights between said base and said crown, a die-slide reciprocally supported by said blankholder slide, said crown comprising a mid-section open at the bottom thereof and a closed chamber at each end thereof, a crankshaft rotatably mounted in bearings supported by the end walls of the mid-section of said crown, the ends of said crankshaft extending into said closed chambers, a large gear secured to each end of said crankshaft within said closed chambers, a drive shaft rotatably mounted in bearing secured to and extending upwardly from the top wall of said crown, said drive shaft extending across the top of said crown and having each end thereof extending into one of said closed chambers, a pinion gear secured to each end of said drive shaft within a closed chamber and meshing with the large gear therein, driving means for said drive shaft supported by the top of said crown, said driving means including a rotatable flywheel and a reduction gearing between said flywheel and said drive shaft, a pair of rock-shafts rotatably mounted in bearings supported by the end walls of the mid-section of said crown, with the ends of said rock-shafts disposed within said closed chambers, operative connections between said rock-shafts and said blankholder slide through which said blankholder slide is reciprocated as said rock-shafts are oscillated, said operative connections being disposed within the mid-section of said crown, operative connections within each of said closed chambers between said large gears and the ends of said rock-shafts through which said rock-shafts are oscillated, and operative connections between said crankshaft and said die-slide through which said die-slide is reciprocated by the rotation of said crankshaft.

2,494,922
APPARATUS FOR SELECTIVELY POSITIONING A LOAD
Michel N. Yardeny, New York, N. Y.
Application November 23, 1943, Serial No. 511,457
15 Claims. (Cl. 318—33)



3. An electric tele-control apparatus comprising a plurality of selectors including a first and a second selector, each selector having substantially circular conductor means and rotatable wiper means engageable with said conductor means, each of said wiper means having a plurality of predetermined stopping positions relative to the associated conductor means; a motor for each of said selectors, respectively, each of said motors being mechanically coupled to said wiper means of the respective selector for rotation of said wiper means relative to the associated conductor means; an energizing circuit for each of said motors, said circuit including the said wiper means and conductor means of the respective selector; a rotatable load mechanically coupled to the wiper means of said second selector for entrainment thereby; a rotatable member positively connecting the conductor means of said second selector with the wiper means of said first selector for entrainment of the former by the latter; and separate actuating means for each selector, respectively, said actuating means being selectively operable to be rendered effective to de-energize the respective motor by the wiper means and conductor means of the associated selector occupying a selected stopping position.

2,494,923
METHOD AND APPARATUS FOR BENDING AND EXHAUSTING TUBULAR LAMPS
Joe Yoder, Milwaukee, Wis., and Robert Auth, South Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application September 3, 1948, Serial No. 47,608
22 Claims. (Cl. 316—20)



1. The method of manufacturing tubular discharge lamps of curvilinear configuration in a sequence of operations which comprises heating a lamp assembly to drive out the contamination therein and to render it workable, immediately thereafter bending said lamp assembly to the desired configuration, exhausting the lamp assembly before appreciable cooling occurs therein, immediately thereafter introducing an ionizable gas into the lamp assembly, and then permanently sealing the lamp assembly to complete the manufacture.

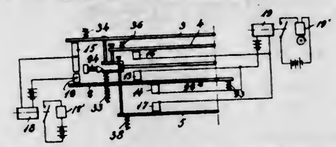
2,494,924
POLYMERIZING STYRENE IN IRON VESSELS
James L. Amos and Kenneth E. Stober, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 9, 1946, Serial No. 715,143
6 Claims. (Cl. 260—93.5)

1. A mass polymerization method which comprises charging a vessel, having substantially clean inner surfaces consisting for the most part of iron, with a polymerizable material, substantially free of dissolved oxygen and rich in an alkenyl aromatic compound having the general formula:

$$R-\overset{R'}{\underset{|}{C}}=CH_2$$

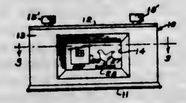
wherein R represents an aromatic radical of the benzene series and R' represents a member of the group consisting of hydrogen and the methyl radical, heating the polymerization mixture in the closed vessel until the mixture is polymerized to a stage at which it is solid at room temperature, heating the resultant polymer to a temperature at which it is sufficiently mobile to be discharged in liquid form, discharging the liquefied polymer from the vessel, recharging the vessel with another batch of the aforementioned polymerizable material which has been rendered substantially free of dissolved oxygen, and, during the period between discharge of the polymer first formed and recharging of the vessel with material to be polymerized, maintaining the inner surfaces of the vessel at temperatures between the second order transition temperature of the polymeric product and 250° C., and continuing the heating at temperatures within the range just stated until the mixture is polymerized to a stage at which it is solid at room temperature.

2,494,925
TEMPERATURE REGULATOR WITH SIGNALING DEVICE
Carl Wilhelm Appelberg, Stockholm, Sweden
Application October 18, 1946, Serial No. 704,243
In Sweden October 20, 1945
5 Claims. (Cl. 177—311)



1. A thermostatic regulating device comprising a heating apparatus, a heat control circuit for said apparatus, a signal control circuit for operating an alarm signal at abnormal temperatures of said apparatus, a thermostat in thermal relation with said heating apparatus, a switch member operated by said thermostat so as to follow the movements of the thermostat in both directions and controlling both said circuits, a heat control contact actuated by said switch member to make and break the heat control circuit at the working temperature of said apparatus, a signal control contact actuated by the movement of said switch member in one direction to make and break the signal control circuit at a temperature above said working temperature, another signal control contact actuated by the movement of said switch member in the opposite direction to make and break the signal control circuit at a temperature below said working temperature, means for setting said heat control contact relatively to said switch member to change the working temperature of the heating apparatus, and means for setting said signal control contacts relatively to said switch member to change the operating temperature of the alarm signal correspondingly.

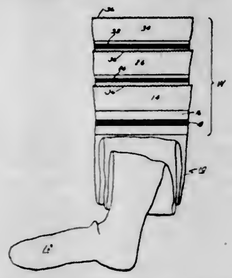
2,494,926
MOVIE READER FOR CHILDREN
William E. Baker, Oklahoma City, Okla.
Application September 5, 1947, Serial No. 772,287
1 Claim. (Cl. 235—76)



A movie reader for children comprising a box-like structure having a bottom, a top and a front portion with a window opening therein, a plurality of vertically-extending spools journalled between the top and the bottom of the box-like structure, said spools being arranged to support

picture rolls in rear of the window opening, picture rolls extending between the spools with one roll in rear of the other, common driving means for operating the picture rolls so that they will be extended in opposite directions, and the forward picture roll having a transparent portion through which objects on the rear picture roll may be observed, said common driving means comprising pulleys connected respectively to the respective spools, and crossed belts extending between the sides of the structure and connected respectively between front and rear pulleys, and means extending from the box structure to turn at least one of the spools.

2,494,927
ADJUSTABLE WELT FOR STOCKINGS
Samuel I. Burd, New York, N. Y., assignor to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States
Application September 11, 1948, Serial No. 48,783
1 Claim. (Cl. 2—239)

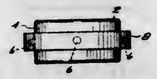


A stocking including a leg, an upper welt at the end of said leg, a double-walled welt below said upper welt, a spacer portion extending downwardly from the lower end of said upper welt, and a run-resisting portion connecting the lower end of said spacer portion to the one end of said double-walled welt, the other end of said double-walled welt being unconnected to the stocking.

2,494,928
PROCESS FOR THE PREPARATION OF AROMATIC COFFEE EXTRACT
Heinrich Cohen, Geneva, Switzerland, assignor to Laboratoires Medial S. A., Geneva, Switzerland, a Swiss corporation
No Drawing. Application July 3, 1946, Serial No. 681,423. In Switzerland July 11, 1945
8 Claims. (Cl. 99—71)

1. Process for the preparation of aromatic coffee extract, which comprises subjecting coffee to two distinct extractions to obtain the whole of the fatty substances and the aromatic elements in two separate solutions, using a member selected from the group consisting of pentane, hexane, petrol ether, petrol and gasoline to extract the fatty substances, using in the other operation a solvent for the aromatic elements, treating the residues of said two extractions with hot water to extract the flavoring and coloring products of the coffee, evaporating the solution containing the extracted aromatic elements and the aqueous solution containing the extracted flavoring and coloring products, and combining said aromatic elements with said flavoring and coloring products, the combined extracts constituting an aromatic coffee extract void of fatty substances.

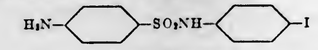
2,494,929
SHUFFLEBOARD WEIGHT
Leonardo Colaluca, Somerville, N. J.
Application May 13, 1947, Serial No. 747,702
1 Claim. (Cl. 273—128)



A projectile for games comprising a cylindrical base disc, a plurality of radially-disposed spaced studs projecting from the outer periphery of said disc and secured to the latter, each of said studs terminating in a pointed end, a resilient ring arranged in embracing relation with respect to said disc and provided with a plurality of spaced recesses for the reception therein of the pointed ends of said studs, and an annular rib arranged on each of the upper and lower faces of said disc.

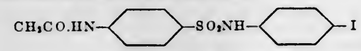
2,494,930
IODINATED SULFONAMIDE
Ramon de Montaner, Barcelona, Spain
No Drawing. Original application March 9, 1944, Serial No. 525,780. Divided and this application November 26, 1948, Serial No. 62,221. In Spain March 12, 1943
1 Claim. (Cl. 260—397.7)

The compound of the formula

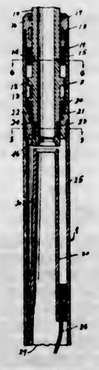


2,494,931
N⁴-ACETYL, N¹-(p-IODOPHENYL) SULFANILAMIDE
Ramon de Montaner, Barcelona, Spain
No Drawing. Application March 9, 1944, Serial No. 525,780. In Spain March 12, 1943
1 Claim. (Cl. 260—397.7)

The compound of the formula



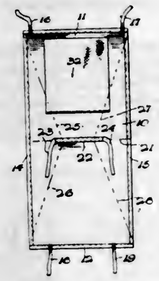
2,494,932
SIDEWALL CORING TOOL
Charles O. Denning and John R. Yancey, Houston, Tex., assignors to A-1 Bit & Tool Company, Inc., Houston, Tex., a corporation of Texas
Application April 16, 1948, Serial No. 21,516
6 Claims. (Cl. 255—1.4)



1. A core taking apparatus comprising, a whip-

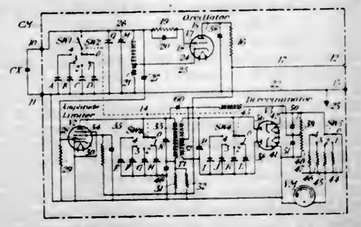
stock; an operating string of pipe to the lower end of which the whipstock has a swivelling connection; means for maintaining the string against longitudinal movement relative to the whipstock; interconnecting means between the string and whipstock normally maintained disconnected by said maintaining means; said maintaining means being displaceable by the longitudinal movement of the string relative to the whipstock to allow said interconnecting means to interengage to cause the whipstock to rotate with the string.

2,494,933
DIAPER
Helen Donahue, Richland, Wash.
Application October 24, 1946, Serial No. 705,448
2 Claims. (Cl. 128—284)



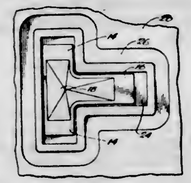
1. The method of folding into a garment a rectangular single ply sheet of diaper cloth having tie strings at each end and a centrally secured transversely disposed tie tape providing two tie strings midway between the ends of the sheet, comprising the steps of folding the material on a transverse line along the line of said tie tape to provide a substantially square two ply body, folding in each corner of the square at the secured ends of the tape strings whereby to give to the body a short edge and an opposite parallel long edge, folding the body in half between said edges to form two ply front and rear panels, tying the said panels together with the tie tape strings and certain of the end tie strings to form a waist portion, then lapping the corners of the rear panel over the front panel, and then tying said corners together with the remaining end tie strings.

2,494,934
DIRECT READING CAPACITY METER
Adrian R. Doucette, Millvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 4, 1944, Serial No. 543,499
2 Claims. (Cl. 175—183)



1. In a capacity meter in which the frequency of the oscillations supplied by an oscillator is changed from an initial frequency according to a capacitor to be measured; an electron tube having an anode, a cathode and a control grid; a transformer having a first and a second winding, an anode circuit including said first winding and a voltage source connected across said anode and cathode, a grid circuit including a resistor connected across said grid and cathode and adapted to receive oscillations, said resistor and voltage source proportioned for limiting the amplifications of said electron tube, a discriminator including two diodes each having an anode and a cathode, said discriminator provided with an input circuit which connects said second winding across said anodes of said diodes and with an output circuit which includes a pair of resistors in series connected across the cathodes of said diodes, a first switching means including a multiple position switch and a plurality of adjustable capacitors one for each position of the switch, said first switching means connected across said first winding to tune it to resonance at any selected frequency of a plurality of different frequency ranges, a second switching means including a multiple position switch and a plurality of adjustable capacitors one for each position of the switch, said second switching means connected across said second winding to tune it to resonance at any selected frequency of a plurality of different frequency ranges, a meter, a third switching means including a multiple position switch and a plurality of resistors and operable to connect any one of its resistors in series with said meter for adjusting the meter to indicate a plurality of different ranges of voltages, and said meter connected across said pair of resistors through said third switching means to indicate a variation in the frequency of the oscillations applied to said grid of the electron tube from any selected frequency of any one of the plurality of said frequency ranges.

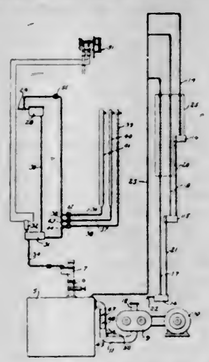
2,494,935
METHOD OF FORGING
Andrew C. Dunn, Chicago, Ill.
Continuation of application Serial No. 389,540, April 21, 1941. This application March 4, 1947, Serial No. 732,223
6 Claims. (Cl. 78—81)



5. A process of forging an article of irregular shape having a body portion provided with end portions constituting a plurality of projections, comprising providing a blank in which the body portion and projections are of substantially the same dimensions between opposite sides as the final dimensions, and are of greater dimensions between opposite sides at right angles to said first sides than the corresponding final dimensions, heating the blank to a forging temperature, placing the blank in a die cavity of a die, the said die cavity having the desired finished shape and final dimensions and with the said first mentioned sides substantially fitting the die cavity, and forging said blank in the die cavity into the desired finished shape and final dimensions with

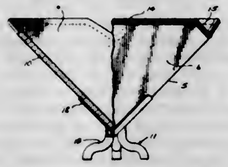
another die provided with a cavity having the desired finished shape and final dimensions to bring said second mentioned opposite sides to final dimensions and to flow the excess metal of said body and projections along said projections to elongate the same to first fill the die cavities and to then form a flash between the two dies to allow the blank to completely fill the intricacies of the die cavities.

2,494,936
CARBURETOR TESTING DEVICE AND METHOD
James L. Edelen, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 8, 1944, Serial No. 544,058
5 Claims. (Cl. 73—118)



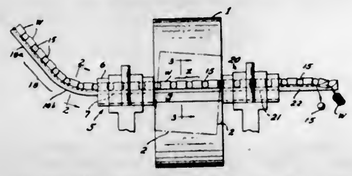
1. The method of flow testing a carburetor having a throttle which consists in attaching the carburetor to a suction chamber and a measured fuel supply, closing the connection between the carburetor and chamber, applying a predetermined maximum suction to the chamber, opening the connection between the carburetor and chamber so as to draw air through the carburetor, setting the chamber suction at a predetermined minimum with the carburetor throttle fully open, and then determining the rate of fuel flow through the carburetor at various predetermined throttle settings.

2,494,937
AQUARIUM
Aaron E. Gandy, Seymour, Tex.
Application January 18, 1946, Serial No. 642,029
1 Claim. (Cl. 119—5)



An aquarium, comprising a support including triangularly spaced legs having their upper ends arranged close together and at the same elevation, the legs extending downwardly and radially outwardly, the lower ends of the legs being triangularly spaced and in the same plane, and triangularly spaced upwardly diverging straight V-shaped troughs secured to the top ends of the legs and having their lower ends secured together slightly below the upper ends of the legs and forming an inverted triangular pyramid socket between the upper ends of the legs, the troughs being arranged in vertical alignment with the legs, and an inverted triangular pyramid-shaped transparent bowl removably mounted upon the support and including upwardly diverging straight V-shaped corners to engage within the V-shaped troughs and contacting the troughs throughout their entire lengths, the lower ends of the corners meeting to form an inverted triangular pyramid apex seated within the pyramid socket, the upper ends of the troughs terminating near and below the vertical center of the bowl.

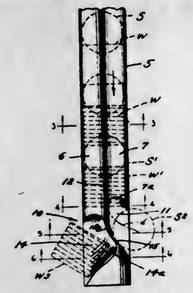
2,494,938
CENTERLESS GRINDING PROCESS
William W. Gleeson, Indianapolis, Ind., assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind., a corporation of Indiana
Application June 3, 1947, Serial No. 752,142
4 Claims. (Cl. 51—289)



1. The method of grinding generally cylindrical workpieces having hollow end portions in a centerless grinding machine having a grinding tool and a smooth, upwardly facing work guiding surface adjacent the tool, which comprises: placing separators of generally circular section and of a smaller diameter than the diameter of the workpieces in abutting relationship with the hollow ends of adjacent workpieces so that the separators are approximately centered with respect to the axes of the workpieces, advancing the workpieces and separators along the work guiding surface past the grinding tool while rotating the workpieces on their axes in contact with the tool to grind the peripheries of the workpieces.

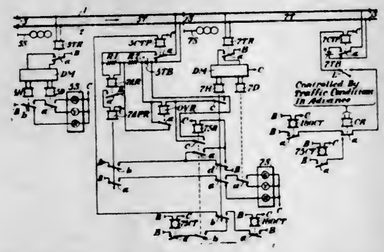
2,494,939
SEPARATION OF CYLINDERS FROM SPHERES
Keith Lloyd Nance and Le Roy Richard Chance, Indianapolis, Ind., assignors to L. G. S. Spring Clutch Corporation, Indianapolis, Ind., a corporation of Indiana
Application January 13, 1948, Serial No. 1,978
3 Claims. (Cl. 209—90)

1. A segregating device including a guide adapted to support serially arranged generally cylindrical and spherical articles for movement therealong in a single direction in mutual contact with each other, said guide terminating in oppositely sloping mutually contiguous ramps extending laterally of said direction in obliquely offset relationship to each other along the central axis of the guide so as to provide a first encountered ramp, the effective entrance to the first ramp being less wide than the length of the cylindrical articles so that the latter are prevented from rolling off the first ramp and a second encountered ramp having an effective entrance at least as wide as the length of the cylindrical articles and having a camming surface portion, the upper defining limit of which divides the



ramps, said portion rising from the guide and extending beyond the guide center on the side occupied by the first encountered ramp and then back across the center to the other side.

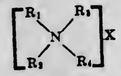
2,494,940
MANUALLY CONTROLLABLE CODED TRACK CIRCUIT SIGNALING SYSTEM
Robert M. Gilson, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 30, 1947, Serial No. 776,995
1 Claim. (Cl. 246—38)



In a coded track circuit signaling system, in combination, a stretch of railway track divided into a plurality of track sections including a first and a second section through which traffic moves in the order named, each of said track sections having at the entrance end thereof a code following track relay operated by coded energy supplied over the section rails from the exit end of the section, means for at times supplying coded energy to the rails of said second section at the exit end thereof, a code detecting relay which is picked up in response to operation of the track relay for said second section, a signal governing movement of traffic from said first section into said second section, said signal including a lamp, a track battery the voltage of which varies a substantial amount during the life of the battery, a code following approach relay, a transmitting relay effective when rendered active to recurrently connect said battery and the winding of said approach relay in series across the rails of said first section at the end thereof adjacent said second section, said approach relay being proportioned so that during normal battery voltage conditions the approach relay does not respond to energy of the value supplied from said battery through the relay winding to the track rails when said first section is unoccupied and is rendered operative only on the increase in current supplied through the relay winding under predetermined conditions of occupancy of said first section, a slow release approach repeater relay energized in response to operation of said approach relay, a directional stick relay having a pick-up circuit including front contacts of said approach repeater and code detecting relays and having a stick circuit including its own front contact and a back contact of said code detecting relay, means for rendering said transmitting relay active when said code detecting relay is picked up and also when said code detecting relay is released provided said directional stick relay is picked up, an overvoltage relay connected across the terminals of said track battery when said directional stick relay or said code detecting relay is picked up, said overvoltage relay having a contact which is picked up when and only when the voltage of said battery exceeds a predetermined value, and means effective only when said overvoltage relay is picked up for including a resistance in the circuit through which energy is supplied from said track battery through the approach relay to the rails of said first section.

2,494,941
PEST CONTROL AGENTS
Milton Goll, Roselle, N. J., assignor to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New York
No Drawing. Application July 27, 1946, Serial No. 686,727
11 Claims. (Cl. 167—30)

6. As a new composition of matter useful as a pest control agent resistant to water leaching; an oil soluble solution containing at least one substantially water-insoluble metal salt of a mono-basic organic acid stabilized against water leaching by not more than 25% per weight of the metal salt of at least one substantially water-soluble quaternary ammonium compound having the following formula:

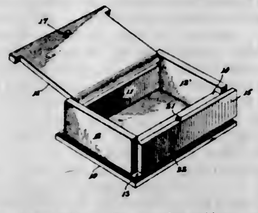


wherein R_1, R_2, R_3, and R_4 are organic radicals and X is an anion derived from a substantially water-soluble acid.

2,494,942
HIDDEN CONTAINER LOCK
Edgar M. Hirsch, New York, N. Y.
Application July 13, 1946, Serial No. 683,401
7 Claims. (Cl. 206—1.5)

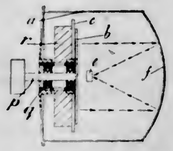
3. In a box, a box body, a hinged lid for the latter, a projection near the free edge of the lid, said projection having a head spaced from the inner lid surface, a double wall formation adapted for engagement by the free lid edge, said double wall formation comprising fixed and operative members both provided with complemental recess portions adapted for the reception of the projection when the portions register with one another, said operative member having a longitudinal groove adjacent and at right angles to its recess portion for engaging the projection head when its recess portion is in offset position relative to the recess portion of the fixed member, coacting interlocking means provided with both members to facilitate longitudinal movement of the operative member relative to the fixed mem-

ber, the interlocking means of the operative member terminating short of the extreme ends of that



member and serving, in conjunction with other wall portions of the box, as movement limiting means for the operating member.

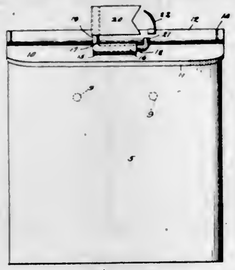
2,494,943
PHOTOELECTRICALLY OPERATED ORGAN
Christopher Hook, Cowes, Isle of Wight
Application May 28, 1946, Serial No. 672,745
In Great Britain June 4, 1945
3 Claims. (Cl. 84—1.18)



1. A musical instrument more particularly of the organ type comprising in combination a rotary disc and a fixed light filter one of them provided with a number of concentric tracings of sine-wave light passages and the other with a corresponding number of concentric tracings of rectangular light passages, each of the said concentric tracings in both the rotary disc and fixed light filter covering a succession of complete wave lengths and each comprising a number of separate concentric tracks of tracings respectively representing a fundamental and its harmonics, the latter separate tracks of tracings in the rotary disc corresponding to the separate tracks of tracings in the light filter, the light filter also comprising separate radial sections in which some of the light passages in the concentric tracings and their separate tracks corresponding to harmonics are obscured; small electric lamps for projecting their beams through the said disc and filter and each lamp being capable of covering with its beam at least one wave-length of a fundamental with its harmonics all of which wave-lengths have to be complete; and photoelectric cells to be acted upon by the said beams.

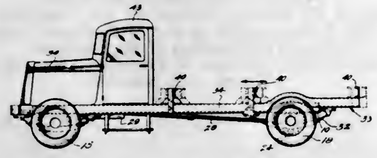
2,494,944
SIGNAL-EQUIPPED CONTAINER
Otto E. Hotzler and Walter E. Schultz, Mountain Lake, Minn.
Application July 23, 1948, Serial No. 40,275
2 Claims. (Cl. 232—41)

1. In a signal-equipped container a box portion, a vertically swinging lid hinged thereto, a flag signal shank mounted on the upper surface of said cover for horizontal sliding movement thereupon and for rotatable movement on its longitudinal axis, means on the cover adapted to hold the shank releasably against rotation in one extreme position to which said shank is shifted slidably, and a cam fixedly secured to the box portion and engaging the shank on raising of the lid, the cam and shank being so shaped as to cause



said shank to be shifted slidably to another extreme position on raising of the lid, thus to free the shank for rotatable movement.

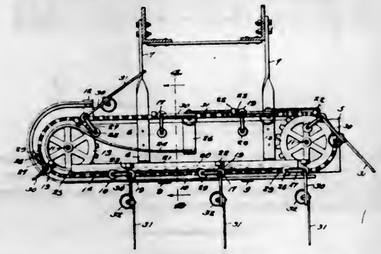
2,494,945
VEHICLE DRIVE
Nathaniel R. Huntington, Hilts, Calif.
Application May 2, 1946, Serial No. 666,614
3 Claims. (Cl. 180—71)



1. In a motor vehicle, including the traction wheels thereof, a load supporting frame, a second frame within said load supporting frame, a fixed axle carried by said second frame and having a traction wheel mounted on each of its ends, a differential and drive axle assembly including a housing therefor carried by said load supporting frame and disposed vertically below said fixed axle, an annular member mounted on each of said traction wheels, a friction wheel mounted on the outer ends of each drive axle and disposed in contact with the inner surface of a complemental of said annular members, a propellor shaft connecting said differential and drive axle assembly with the power plant of the vehicle, and means coupling the forward ends of said frames whereby said load supporting frame will have limited pivotal and longitudinal movements relative to said second frame correspondingly for the starting, running and braking, conditions of operation of the vehicle, substantially as and for the purposes set forth.

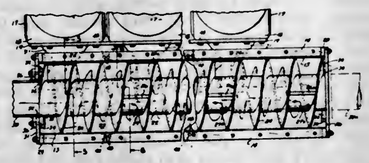
2,494,946
TRACTOR MOUNTED SIDE DELIVERY RAKE
Glen E. Ingram, Sioux Rapids, Iowa
Application December 20, 1946, Serial No. 717,556
2 Claims. (Cl. 56—27)

1. The combination with a tractor, of a raking device comprising an elongated frame, means for suspending the raking device under and transversely of the tractor, spaced parallel tracks forming a part of the frame, the tracks at one end of the frame being curved upwardly and inwardly, plates spaced above the tracks in parallel relation with the tracks, parallel endless chains operating over the frame, spring raking teeth including shafts, pivotally connected with the parallel chains, rollers mounted on the shafts movable over the parallel tracks in contact with the plates temporarily holding the teeth in vertical raking positions, said rollers being movable over



the curved ends of the tracks moving said spring teeth from a vertical raking position with respect to the lower flight of the chains, to horizontal positions out of use and in parallel relation with the upper flight of chains, and means for operating the chains.

2,494,947
ENGINE MANIFOLD CONSTRUCTION
Julius Kuttner, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 16, 1946, Serial No. 710,263
2 Claims. (Cl. 60—29)



1. A manifold comprising a tubular conduit having a plurality of longitudinally spaced ports formed therein, a casing surrounding said conduit, means for closing the ends of said casing to provide a closed chamber between said conduit and casing, said casing having a plurality of longitudinally spaced ports formed therein, a continuous baffle member of helical conformation disposed in the chamber to provide a helical passageway extending the length thereof, the pitch of said helical baffle being selected such that said ports open between adjacent flights thereof, a first set of baffle elements positioned one adjacent each of said casing ports, and a second set of baffle elements positioned one adjacent each of said conduit ports, said baffle member and sets of baffle elements serving, with the walls of said casing and conduit, to define distinctly separate passageway sections of a predetermined length between adjacent casing ports, each being closed intermediate its ends, but extending between a port in said casing and a port in said conduit and each being of substantially equal length.

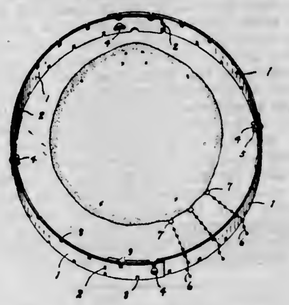
2,494,948
ARTIFICIAL FISH LURE
Arthur G. La Montagne, Sutter, Calif.
Application May 14, 1946, Serial No. 669,660
3 Claims. (Cl. 43—42.48)

1. A fish lure comprising a body element of irregular configuration longitudinally, said element embodying a forward portion and a rear portion, said forward portion having a surface sloping forwardly and downwardly and spaced outwardly projecting tapering rear surfaces at the rear of said forward portion, an eye on the front of said sloping surface for towing said body element in one direction, a hook having a barb facing toward the rear portion arranged contiguous to said eye and dependingly carried by said forward portion, said rear portion extending from between the outwardly projecting surfaces at the rear of said forward portion and terminating in a rear surface sloping rearwardly



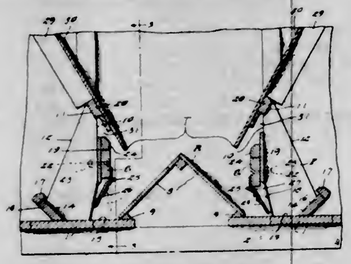
and downwardly, a second eye on the upper face of said inclined rear surface of said rear portion for towing said body element in the opposite direction, and a second hook having a barb facing toward the forward portion arranged contiguous to said second-named eye and dependingly carried by said rear portion, said sloping and outwardly projecting surfaces causing the lure to travel in a straight path in the one direction when towed by said first-named eye and causing the lure to travel in a path deflected from a straight path when towed by said second-named eye.

2,494,949
TENSION FRAME
Bernard A. Langdahl, Duluth, Minn.
Application April 21, 1947, Serial No. 742,871
3 Claims. (Cl. 45—24)



1. A stretching device comprising a plurality of sections, each made from a single strip of metal and having a plurality of notches formed in a longitudinal edge thereof, said sections being arcuately shaped and forming a segment of a circle which may be made by assembling same, means to assemble said sections to form said circle comprising a lug projecting inwardly from one end of each of said sections and a hole in the opposite end thereof, the lug of each section being adapted to be received in the hole of its adjacent section whereby a circle is formed with portions of each section overlapping its adjacent section, means to receive a bolt through the overlapping portions of said sections, and a plurality of chains having means at one end thereof to engage the object being stretched and being adapted to be adjustably secured in said notches.

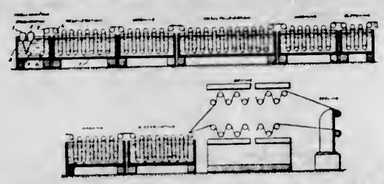
2,494,950
GRAVITY FEED ANIMAL FEEDER
Elmer S. Lee, Woodbine, Iowa
Application November 4, 1944, Serial No. 561,928
5 Claims. (Cl. 119—53.5)



5. An animal feeder of the character described, comprising a floor, a hopper overlying the floor and including an inclined side wall terminating at its lower edge a substantial distance above the floor, an inclined bottom wall disposed in a plane extending transversely of the inclined wall and having its upper side in spaced opposed relation with the lower edge of said inclined wall to provide a material discharge throat, the lower edge of the bottom wall resting upon the floor on a line positioned a substantial distance outwardly from a vertical plane passing across the lower edge of said inclined side wall, vertical post members disposed in spaced relation upon the floor at a substantial distance outwardly from the lower edge of said inclined side wall and extending upwardly toward the underside of the inclined wall and above the lower edge of the inclined wall, a vertical feed wall supported by and extending across the inner edges of said posts, the top edge of the feed wall being at an elevation in a horizontal plane above the horizontal plane of the bottom edge of the inclined side wall and spaced at its top and bottom edges from the inclined side wall and from the floor, said feed wall having a plurality of vertical slots therein, a bar member disposed lengthwise of and adjacent to one vertical face of the feed wall, threaded members carried by said bar and extending through the feed wall slots, said threaded members being movable in the slots for securing the bar in vertically adjusted position, and a gate hingedly attached to and hung from the bottom edge of said bar for swinging movement, the inner edges of said posts below the feed wall functioning to limit the outward swinging movement of the gate.

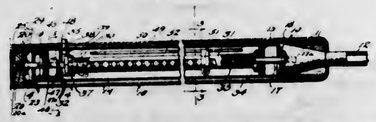
2,494,951
PROCESS FOR MANUFACTURING REGENERATED CELLULOSE WEBS
Curt Axel John Lindquist, Norrkoping, Sweden, assignor to Svenska Rayon Aktiebolaget, Norrkoping, Sweden, a corporation of Sweden
Application February 15, 1949, Serial No. 76,571
In Sweden May 10, 1948
6 Claims. (Cl. 18—57)

1. The process of manufacturing continuous regenerated cellulose webs which comprises simultaneously extruding viscose solution from a pair of spaced nozzles in sheet form into a liquid having coagulating and regenerating properties and keeping the nascent webs segregated in said liquid until completely regenerated surface films are formed on each web, then bringing the webs together with their adjacent surfaces in contact with each other and maintaining said surfaces in contact at all times while advancing said webs through regenerating liquid until the conversion from the xanthate to cellulose is effected entirely



through the webs, and through subsequent after-treating baths and finally separating said webs as they continue their movement and passing them individually through drying means.

2,494,952
FISHING REEL
Dempsey A. Luton and Karl M. Johnson, Jackson, Wyo.
Application October 5, 1945, Serial No. 620,536
1 Claim. (Cl. 43—21)

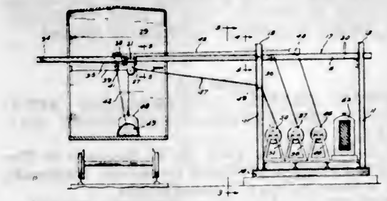


In a fishing rod, a handle having a recess therein, a frame in said recess, a first shaft extending longitudinally of said recess and journaled in said frame, a reel surrounding said first shaft, a spring surrounding said first shaft and housed within said reel, said spring being terminally connected to said shaft and reel, a second shaft in said recess journaled in the frame and having a double helical thread, a guide rod in said recess parallel to said second shaft, a line guiding traveler slidable on said guide rod and threadedly engaging said double helical thread, a gear fixed to said first shaft, a cog journaled in said frame and meshing with said gear, a flange constituting a brake drum on said reel, a friction brake means engageable with said drum, said friction brake means slidably carried by said frame and extending through said handle, external means for rotating said first shaft and tensioning said spring, and gear means operatively connecting said second shaft to said cog for rotation of said second shaft during rotation of said first shaft.

2,494,953
MOVING BULK MATERIALS
Denzil O. Martin, Banning, Calif., assignor, by mesne assignments, to Robertson Engineering Corporation, San Francisco, Calif., a corporation of California
Application September 17, 1946, Serial No. 697,545
14 Claims. (Cl. 214—44)

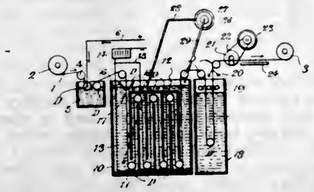
1. A device for moving bulk materials from a bin or the like having side walls, a back wall and an open front, which includes, a boom mounted to move in a rectilinear path into a position to extend across the open front of the bin in spaced parallel relation to and above the plane of the bottom thereof, a bucket advancing and sustaining pulley movable longitudinally of the boom, a bucket retracting pulley on the boom, a guide pulley adapted to be fixed in the bin near its

rear end, a bucket advancing and sustaining cable extending around the bucket advancing and sustaining pulley, a bucket retracting cable ex-



tending around the bucket retracting pulley and the guide pulley and a drag bucket connected to the adjacent ends of the cables.

2,494,954
APPARATUS FOR CONTINUOUS ANODIZING OF SHEET METAL
James F. Mason and Frederick H. Hesch, Glen Cove, N. Y., assignors to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application February 2, 1946, Serial No. 645,130
1 Claim. (Cl. 204—206)



Apparatus for the continuous anodizing of sheet metal of indefinite length which comprises a tank for an anodizing solution, power driven roller means for drawing the sheet of metal through the solution, electric means for rendering the sheet anodic, two plates of non-conducting material extending across the tank and at least the width of the sheet of metal and located where the said sheet enters the solution, said plates being spaced apart and extending both below and above the surface of the anodizing solution and converging downwardly to form a narrow slot through which the sheet of metal passes, the distance between the plates at the surface of the solution being relatively wide whereby the current density at the surface is relatively low and striations are prevented from forming on the resulting anodic coating, and a cathode below the said non-conducting plates.

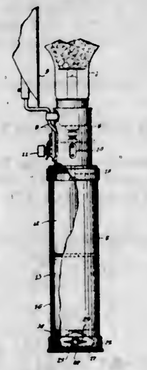
2,494,955
RESETTABLE REGISTER
Erwin Mayer, Corona, and Joseph F. Coles, Valley Stream, N. Y., assignors to Neptune Meter Company, a corporation of New Jersey
Application January 27, 1945, Serial No. 574,958
11 Claims. (Cl. 235—131)

1. In a resettable register having a reset shaft, a numeral wheel and a gear driven by the transfer gear of a Geneva movement, said wheel and said driven gear both being rotatable on and relative to said shaft and rotatable thereon relative to each other, the combination with ratchet means operatively connecting said driven gear and wheel to transmit drive from said gear to said wheel during registering operation of said register and with detent means connecting said shaft to said wheel to transmit drive from said shaft to said wheel during resetting operation of said



register, of means actuatable by said ratchet means during resetting rotation of said shaft and wheel to connect said shaft to said wheel to prevent forward rotation of said wheel ahead of said resetting rotation of said shaft.

2,494,956
REMOVABLE BATTERY CASE
Samuel Mendelsohn, Montclair, N. J.
Application September 20, 1945, Serial No. 617,508
4 Claims. (Cl. 136—110)

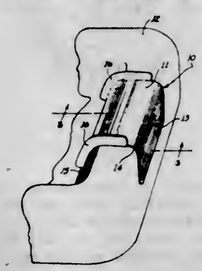


1. A battery holder for a camera synchronizer and flashlight comprising a casing, an inner disposable sleeve for holding batteries and telescopically engaging the interior wall of said casing and provided with a flanged closure at one end which also forms an end closure for said casing, a two-tongued spring secured to the flanged closure of said disposable sleeve for applying tension to the batteries and for making electrical connection therewith, and a pair of diametrically opposed spring-pressed plungers carried by said disposable sleeve and engageable with openings provided in said casing for retaining said sleeve in said casing against the tension of said plunger spring.

2,494,957
NECK REST FOR SHAMPOOING
Woods Morgan, Charlotte, N. C.
Application June 26, 1946, Serial No. 679,461
1 Claim. (Cl. 4—159)

A neck rest adapted for association with wash basins and the like for use in shampooing, com-

prising a body member having a flat central portion adapted to rest with a horizontal disposition on the rim of a wash basin and extend from said rim over the bowl of said basin, a front end portion on said body member extending vertically downward from said flat central portion and forming a front wall adapted to contact the front face of a wash basin and cooperate with said flat central portion to position and hold the body member in place during use in asso-



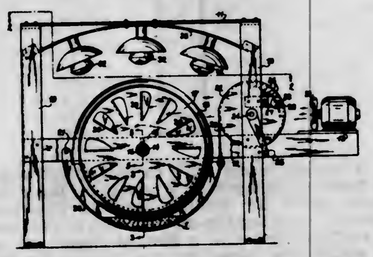
ciation with a wash basin, a rear end portion on said body member extending angularly downward from said flat central portion and providing a drain surface discharging into an associated wash basin, and upstanding flanges disposed at the side edges of said flat central portion and extending continuously for a substantial extent along the side edges of said rear end portion to channel liquid over the drain surface provided by said rear end portion.

2,494,958

METHOD AND APPARATUS FOR TREADING TIRES

Alvin J. Musselman, Santa Barbara, Calif.

Application August 12, 1947, Serial No. 768,154
5 Claims. (Cl. 117—2)



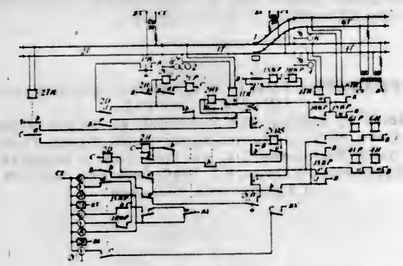
2. The method of applying a tread of stepped thickness and width to a tire casing, which comprises mounting the casing on a wheel, mounting the wheel to rotate around a horizontal axis above a trough containing liquid latex, causing relative motion of the wheel and trough toward each other until the casing projects into said latex to a predetermined extent, rotating the wheel through at least one revolution while the casing is thus partially immersed, moving the wheel and trough in the opposite direction relatively to separate the casing from the pool of liquid latex, drying the layer of latex applied by the said immersion while the wheel and trough are separated, again moving the wheel and trough relatively toward each other but to a lesser extent than before, rotating the wheel through at least one revolution to apply a second layer of latex, separating the wheel and trough to permit drying of the second layer, and continuing with further immersions each to a depth less than that of the preceding one, and drying after each immersion, until a tread of the desired stepped thickness and width is formed.

2,494,959

RAILWAY TRAFFIC CONTROLLING APPARATUS FOR INTERLOCKED HOME SIGNALS

John R. Myers, New York, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 2, 1946, Serial No. 680,924
5 Claims. (Cl. 246—26)



1. Railway traffic controlling apparatus comprising a railway signal adapted to display stop, caution and proceed indications and to also display a call-on indication, a home relay controlled by traffic conditions and a distant relay controlled over a front contact of said home relay by other traffic conditions for controlling said signal, circuits controlled by the home relay for changing the indication of said signal from stop to caution when the home relay is energized and to proceed when the distant relay is also energized, a manually controllable stick relay having a pick-up circuit arranged to be closed only when the home and distant relays are released and a stick circuit independent thereof, circuits controlled by said stick relay when picked up for energizing said distant relay while maintaining said home relay released, and means for causing the display of said call-on indication when said distant relay is energized by the operation of said stick relay.

2,494,960

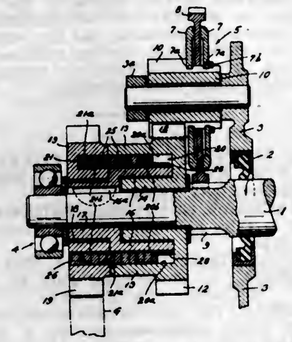
MOTOR-GENERATOR-STARTER DRIVE UNIT

Carl P. Pepper, Plainfield, Ind., assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind., a corporation of Indiana

Application March 31, 1948, Serial No. 18,100
7 Claims. (Cl. 74—810)

1. A two-way driving gear and clutch mechanism comprising two torque-transmitting members alternately active as driving and driven members, a gear train arranged to connect the members for power flow through the mechanism in one direction and including a helical spring clutch assembly comprising concentric internal and external drums and a clutch spring between the drums, said spring being automatically actuated to cause it drivingly to engage one of the drums for power flow through the gear train in said direction, clutching coil surfaces of the spring being normally out of engagement with the other

drum but adapted clutchingly to engage the same, a permanent direct driving connection between the clutch spring and one of said members, a permanent direct driving connection between said other drum and the other of said members, and a relatively light-pressure clutch-spring-energizing permanent friction connection between the



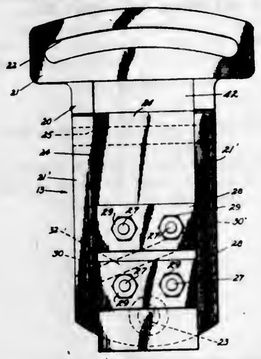
clutch spring and said other drum operative automatically to initiate deenergization of the clutch spring from said one drum and concurrently to initiate energization of the clutch spring for clutching connection with said other drum for power flow through the mechanism in the opposite direction in shunting relation to the gear train.

2,494,961

ALIGNING DEVICE FOR CLAPPER BOXES

William F. Phillips, Van Dyke, Mich.

Application April 30, 1946, Serial No. 666,156
5 Claims. (Cl. 90—54)



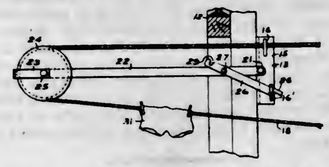
1. In a clapper box for a reciprocating tool including a fixed base plate, a pair of laterally spaced side flanges fixed to said plate, and a clapper swingably mounted on said plate between said flanges, said plate and clapper including opposed surfaces, adapted to abut during the working stroke of said tool, the improvement comprising a diagonal rib fixed to one of said surfaces, said other surface being formed with a diagonal groove complementary to said rib and receiving the same therein during said working stroke, and said rib and groove cooperating to cam said clapper laterally into firm engagement with one of said flanges during the working stroke of said tool.

2,494,962

WASH LINE HOLDER

Arthur N. Purcell, Flushing, N. Y.

Application June 20, 1947, Serial No. 755,973
1 Claim. (Cl. 211—119.07)



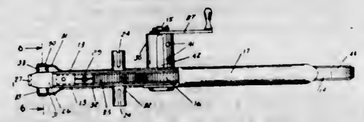
A wash line holder comprising an attaching bracket adapted to be fixed to the exterior of a building, a holder arm pivotally connected to the bracket and adapted to swing through a window opening to the interior of the building, a pulley on the end of the arm, a clothes line extended over the pulley and means on the bracket for supporting the clothes line thereupon as the arm and the pulley with the line is swung downwardly and out of the window, and means connected to the holder arm for retaining the holder arm in an elevated position within the building, said second means comprising a lever pivoted to the arm and adapted to have its lower end engaged with said first means, and said first means for supporting the line comprising screw eyes fastened to the brackets, one of said screw eyes being opened whereby to permit the removal and insertion of a part of the line, said lever for supporting the holder arm having a catch on one end thereof which is adapted to be hooked over one of the screw eyes to retain the arm outside the building.

2,494,963

HAND GRIP TOOL FOR MAKING AND APPLYING WIRE HOSE CLAMPS

Charles W. Ray, Paducah, Ky.

Application June 28, 1946, Serial No. 680,179
3 Claims. (Cl. 81—9.3)



1. A tool for fabricating and applying a wire clamp to a hose comprising an elongated body member, a shaft disposed transversely in said body member and carried by the latter, a drum rotatably mounted on said shaft adjacent an end thereof, said drum being provided with a pair of recesses arranged in spaced parallel relation and extending inwardly from the periphery thereof for the reception therein of the ends of a U-shaped wire, a handle having an aperture encircling said shaft and pivoted to the outer end of said drum operable upon rotation in a clockwise direction to thereby convert the U-shaped wire into a wire loop, a gear carried by said shaft, a second shaft disposed transversely in said body member and arranged in spaced relation with respect to said first-named shaft, a second gear carried by said second shaft and in meshing engagement with said first-named gear, a nose member on the end of said body member adjacent said

second shaft for supporting the intermediate portion of the wire loop, a transverse pin on said nose member, said pin having a pair of transversely-extending bores arranged in spaced parallel relation for the passage of the ends of said wire loop therethrough, said second-named shaft having each of its ends projecting beyond said body member, each of the projecting ends of said second-named shaft being provided with a notch, the notches of said second shaft being in alignment with the bores in said pin and receiving the ends of said loop, and co-acting means on a wall of the aperture of said handle and on said first-named shaft operable upon rotation of said handle in a counter-clockwise direction for connecting said drum to said first-named shaft to thereby cause the coiling of the ends of the loop in the notches of said second-named shaft about the latter.

2,494,964

WATERPROOF SKI BOOT

Leon Rome, New York, N. Y.

Application April 21, 1947, Serial No. 742,848
1 Claim. (Cl. 36—2.5)



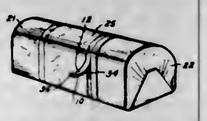
In a ski boot having a one-piece upper, an outer tang cut from the front of the upper leaving a front opening as wide as the width of said outer tang, lacing strips attached to the inner faces of the edge portions of the material of the upper defining said front opening, said lacing strips being extended toward each other and formed with lacing holes, a one-piece internal gusset extended across said front opening and having its side edges secured to the inner faces of the edge portions of the lacing strips, said internal gusset being formed with lacing holes aligned with the lacing holes of said lacing strips, and means for securing said outer tang in position over said internal gusset and said lacing strips, said securing means comprising flexible straps attached to the sides of said outer tang and extendable about the shoe upper to have their adjacent ends secured together behind the shoe upper.

2,494,965

COMPOSITE COMMODITY WRAPPER

Shy Rosen, New York, N. Y., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware

Application December 27, 1946, Serial No. 718,693
2 Claims. (Cl. 229—87)



1. A flexible wrapper for sliced bread loaves or the like, comprising, a composite flexible sheet snugly embracing and enclosing a bread loaf and being composed of at least two edge to edge overlapping sheets one of which consists of stiffer flexible material than the other and the adjacent overlapped edges of which surround the loaf and are secured together, and a reinforcing strip of flexible sheet material overlapping and being secured to the overlapped edges of the sheets to provide a three ply region extending along the overlapped sheet portions, said stiffer sheet and said reinforcing strip having juxtaposed weakened lines extending therealong to provide a tear strip within said region and which is progressively removable to gain access to the loaf by separating the wrapper into two complementary flexible cup-shaped sections, and the edge of the stiffer sheet section being further stiffened by the reinforcing strip so as to facilitate telescopic reclosing and sealing of the package.

2,494,966

WATER SOLUBLE SULFIDES CONTAINING ACYLATED AMINO GROUPS AND PROCESS OF PREPARING SAME

Richard Sallmann, Gelterkinden, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application June 14, 1945, Serial No. 599,513. In Switzerland July 13, 1944
10 Claims. (Cl. 260—401)

1. Process for the manufacture of condensation products, which comprises heating a primary amide of an aliphatic carboxylic acid having 12 to 18 carbon atoms with thioglycolic acid and with an unsaturated aliphatic aldehyde selected from the group consisting of crotonic aldehyde and acrolein at a temperature of 60°–100° C. until the reaction product is soluble in dilute sodium carbonate solution and heating the so-obtained condensation product with a water-soluble primary sulfite to a temperature of 60°–100° C. until the reaction product is homogeneous.

2,494,967

MECHANICAL PENCIL

Herbert W. Sams, Atlanta, Ga., assignor to Scripto, Inc., a corporation of Georgia

Application May 26, 1948, Serial No. 29,245
9 Claims. (Cl. 120—18)



1. In a mechanical pencil of the type comprising a lead feed mechanism housed in a barrel and operated from a ferrule fitted on the top end of said barrel, a cap member associated with said lead feed mechanism for actuation thereof, said cap member being formed for disposition over the top end of said barrel and having depending wing portions disposed to overlie the side of said barrel adjacent its top end, and said depending wing portions being formed with bosses adapted for frictional contact with said operating ferrule, whereby said lead feed mechanism may be driven from said operating ferrule and said wing portions are pressed in frictional contact with the side of said barrel by said operating ferrule for restraining reverse movement of said lead feed mechanism under writing pressure.

2,494,968

ALKOXY BOROHYDRIDES AND THEIR METHOD OF PREPARATION

Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the Director of the Office of Scientific Research and Development

No Drawing. Application July 17, 1945, Serial No. 605,618
22 Claims. (Cl. 260—462)

1. A process of preparing an alkoxyborohydride which comprises reacting a hydride of a metal of the group consisting of alkali and alkaline earth metals and an alcohol ester of boric acid.

2,494,969

METALLIZABLE AZO DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE

Otto Schmid, Muttenz, and Guido Schetty, Basel, Switzerland, assignors to J. R. Geigy A.-G., Basel, Switzerland, a Swiss firm

No Drawing. Application January 24, 1946, Serial No. 643,196. In Switzerland January 25, 1945
9 Claims. (Cl. 260—163)

1. A metallisable monoazo dyestuff of the formula

A—CO—B—N=N—D

wherein A represents a member selected from the group consisting of o-hydroxycarboxy radicals of the benzene and naphthalene series, B represents a member selected from the group consisting of m- and p-phenylene radicals, and D represents a 5-pyrazolone radical bound in the 4-position of the pyrazolone nucleus.

2,494,970

METHOD OF RECONDITIONING FORGING DIES

Jeremiah F. Shea, Springfield, Mass.

Application April 27, 1946, Serial No. 665,592
1 Claim. (Cl. 76—107)



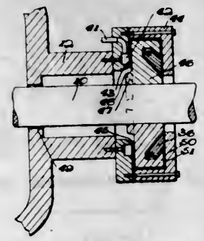
The method of reconditioning the cavity of a steel die block adapted for drop forging operations which consists in, removing portions of the block around the cavity forming an enlarged cavity, maintaining said block at a temperature of approximately 800 degrees Fah. while electrowelding and uniting a first layer of steel to the walls of the enlarged cavity and electrowelding and uniting a second layer of steel to the first layer, and finally in forming a cavity for forging in said second layer, said first layer including stainless steel of the eighteen and eight type, said second layer including steel including about five per cent chromium and about one-half of one percent molybdenum, and said cavity being wholly formed in said second layer.

2,494,971

SEALING DEVICE FOR SHAFTS

Orran B. Summers, Morenci, Ariz., assignor to Jet Shaft Seals, Inc., Phoenix, Ariz., a corporation of Arizona

Application April 27, 1944, Serial No. 533,021
21 Claims. (Cl. 286—9)



15. In a seal for preventing a leakage flow of fluid from a fluid chamber between a rotor and the fluid chamber housing, said rotor and housing being relatively rotatable and spaced from each other, the combination of a seal housing providing with said rotor the walls of an annular seal chamber having a communicating opening with said fluid chamber, said opening encircling said rotor, said seal housing extending axially outwardly from the fluid chamber along the rotor to a terminal opening in said seal housing for said rotor, said seal housing being spaced from the rotor at all zones longitudinally of the rotor to provide clearance therefrom and the walls of said seal chamber being formed to provide a continuous rotor encircling passage from said terminal opening to said communicating opening, and a second passage having an annular outlet for introducing into said encircling passage a rotor-encircling fluid stream, said encircling passage and outlet of said second passage at their junction being directed toward said communicating opening so as to be in aspirating relationship to suck ambient fluid through the terminal opening, a source of fluid connected to said second passage, and fluid pressure generating means for maintaining a continuous stream of fluid from said source through said second passage, past said junction and to and through said communicating opening.

2,494,972

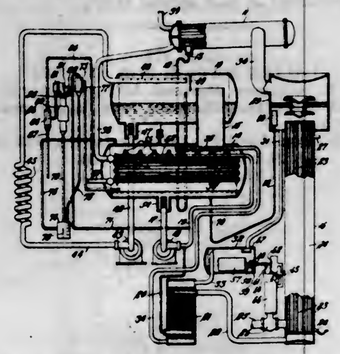
ABSORPTION REFRIGERATION SYSTEM, INCLUDING A PURGE ARRANGEMENT

Albert R. Thomas, deceased, late of Evansville, Ind., by The National City Bank, administrator, Evansville, Ind., and Per Edberg, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware

Application October 25, 1944, Serial No. 560,215
20 Claims. (Cl. 62—119)

1. In an absorption refrigeration system having a plurality of elements including an absorber interconnected to provide a closed circuit for circulating refrigerant and absorption solution and in which non-condensible gases may accumulate, an auxiliary loop-circuit having a pump for continuously recirculating the absorption solution in the absorber, and a Venturi device connected to

one of the elements of the system and utilizing absorption solution from the auxiliary loop-circuit



for withdrawing non-condensible gases therefrom.

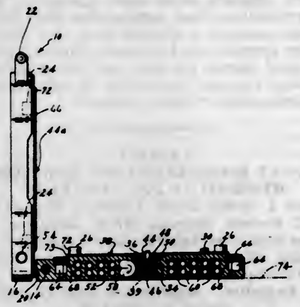
2,494,973
CLOTHES HANGER
Mathilda C. Vollmer, Berthold, N. Dak., and Wilhelm Funke, Brooklyn, N. Y.
Application September 28, 1945, Serial No. 619,054
3 Claims. (Cl. 223—88)



1. A suspension member for a garment hanger comprising a single length of wire, a portion of said wire being an elongated and substantially vertical shank, means formed on the lower end of said shank and adapted to attach the same to a garment hanger, an intermediate portion of said wire being formed to provide a pair of longitudinally spaced hooks each including a laterally diverging leg and shank providing a wedge slot therebetween, said hooks being adapted to wedgingly grip a clothes line at longitudinally spaced points thereon, and an upwardly directed continuation of said wire being formed to provide a curvilinear hook.

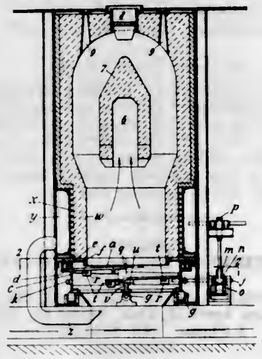
2,494,974
DIE FOR THERMOPLASTICS
Elbert R. Wadleigh, Los Angeles, Calif.
Application May 11, 1946, Serial No. 669,003
4 Claims. (Cl. 18—5.3)

1. A die member adapted for use with a companion die member to form a complete mold comprising a flat cast part having a working face, a circulating coil embedded in said part having an inlet and an outlet, said coil being arranged in two parts, one part being in the form of a spiral disposed in a plane adjacent the working face and the other part being in a spiral disposed in a plane further removed from said working face, the parts of said coil being connected by a return bend portion at their inner ends and having their individual convolutions laterally spaced and disposed in superposed contiguous relationship whereby wall portions of the cast material extend between the convolu-



tions and serve to reinforce the working face of the die.

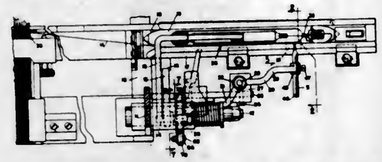
2,494,975
ROTARY GRATE HAVING FUEL CUTTING MEANS
Frederick Joseph West and Ernest West, Manchester, England, assignors to West's Gas Improvement Company Limited, Manchester, England, a British company
Application February 18, 1946, Serial No. 648,518
In Great Britain January 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 4, 1965
6 Claims. (Cl. 126—182)



1. In a gas producer, a rotatable cylindrical casing, and a grate supported within the casing and consisting of a perforated plate in the form of a portion of a helix terminated by radial edges disposed one above the other in spaced relation.

2,494,976
THREAD CUTTER FOR WEFT REPLENISHING LOOMS
Herbert A. Whitin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 4, 1949, Serial No. 69,189
17 Claims. (Cl. 139—267)

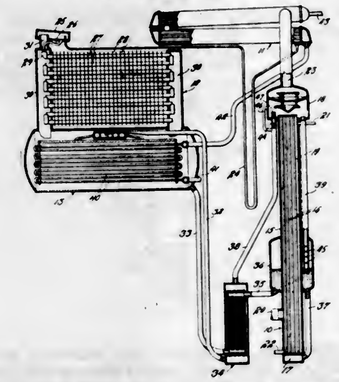
1. In thread cutting mechanism for a weft replenishing loom having a lay and a thread to be cut on replenishing beats of the loom, a carrier which has a movement toward the lay and thread incident to a weft replenishing operation of the loom, a weighted mass supported by the carrier and having a free movement due to the momentum thereof relatively to the carrier incident to said movement of the carrier, and thread cutter



means supported by the carrier moved toward the thread by the latter and operatively connected to the weighted mass and operated by the latter when the weighted mass has said free movement

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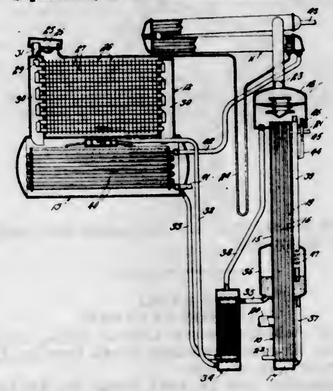
2,494,977
REFRIGERATION
Eugene P. Whitlow, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 4, 1947, Serial No. 739,278
6 Claims. (Cl. 62—119)



1. An absorption refrigerating system including a generator, a vapor separator, a condenser, an evaporator, an absorber, means for maintaining a constant reaction head on the generator and conduits interconnecting said elements for flow of a refrigerating medium and an absorption solution, said generator including means for lifting absorption solution into the vapor separator for flow therefrom through one of the above connecting conduits into the absorber, an orifice in said last-named conduit for metering the flow of absorption solution delivered to the absorber, and a by-pass connection between said vapor separator and said generator for returning to the generator any excess of absorption solution lifted into the vapor separator beyond that delivered to the absorber.

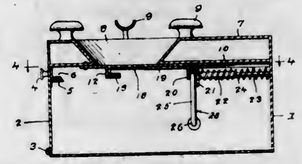
2,494,978
REFRIGERATION
Lowell McNeely, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 4, 1947, Serial No. 739,298
8 Claims. (Cl. 62—119)

1. An absorption refrigerating system comprising a generator, a vapor separator, a condenser, an evaporator, an absorber and conduits interconnecting said elements for flow of working media therethrough, said generator including means for pumping absorption solution into said vapor separator, said interconnecting conduits



including means connecting said vapor separator and said absorber for conveying absorption solution from the former to the latter at varying rates of flow, and means for returning absorption solution pumped into the vapor separator to the generator at a constant rate of flow.

2,494,979
CIGARETTE EXTINGUISHER AND ASH TRAY
Harold R. Worthing, Janesville, Wis.
Application March 31, 1948, Serial No. 18,281
4 Claims. (Cl. 131—237)

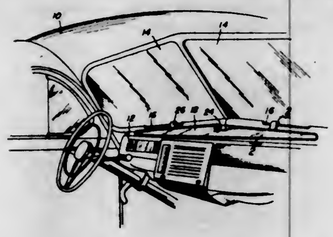


1. In a safety ash and butt tray including a container having an interior partition interior of the container and a funnel shaped hopper open to the interior of the container, the combination with a fixed angular crushing jaw mounted at the underside of the partition, of a slide mounted under the partition and a crushing jaw rigid therewith, and means for reciprocating the slide.

2,494,980
DETACHABLE SHELF FOR AUTOMOBILE INSTRUMENT PANELS
Herman Zuckerman, Imperial, Calif.
Application July 29, 1947, Serial No. 764,468
2 Claims. (Cl. 311—21)

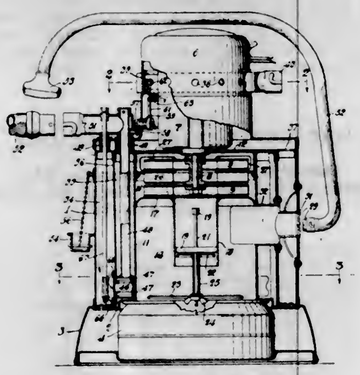
1. A detachable shelf for an automobile of the type having a windshield, an instrument panel adjacent said windshield and defroster openings in said instrument panel for directing air against said windshield, comprising; a tray having a front edge closely adjacent said windshield, said tray having its bottom surface supported solely by the

front portion of the upper surface of said instrument panel adjacent said windshield, fasteners



secured to said tray and extending into said defroster openings.

2,494,981
SUCTION CLEANER
Louis K. Acheson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 26, 1943, Serial No. 496,101
10 Claims. (Cl. 183—57)



2. In a suction-cleaner, a filter, an exhaust passageway connected to said filter, suction-creating means exhausting through said filter and said passageway, a filter-cleaning nozzle movable in contact with the dirt laden side of said filter, means to connect said nozzle to a point of low pressure created by said suction-creating means, and means including valve means in said passageway to increase the pressure differential across said filter at said nozzle to increase the cleaning effectiveness thereof.

2,494,982
TRACTOR-SEMITRAILER COUPLING
John N. Apgar, Bound Brook, N. J.
Application November 19, 1948, Serial No. 60,855
7 Claims. (Cl. 280—33.05)

1. In a tractor-semitrailer coupling, a turntable comprising a lower turntable plate to be rigidly mounted on a tractor, an upper turntable plate, means including a rockshaft mounted on said upper turntable plate for supporting the front end of a trailer, means connecting said turntable plates for relative angular movement about a vertical axis, and means responsive to such relative angular movement to displace said upper turntable plate laterally of said lower turn-

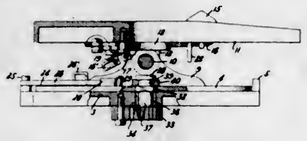
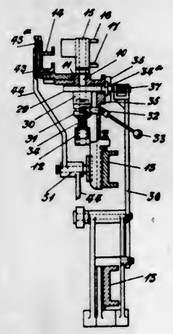


table plate and towards the center of a curved path along which the tractor-semitrailer is then traveling.

2,494,983
SPOOL AXMINSTER CARPET LOOM
Isaac B. Bassindale, Grasscroft, near Oldham, England
Application February 21, 1947, Serial No. 730,043
In Great Britain February 16, 1946
4 Claims. (Cl. 139—124)

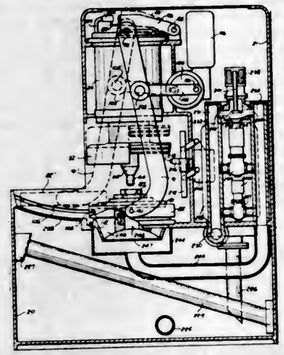


1. Mechanism for driving the selvedge shuttles of a spool Axminster carpet loom incorporating upper and lower shuttle races in which said shuttles are movable, including a driver shaft, rotary shuttle drivers carried by said shaft, a rotary cam, a cam lever operable by said cam, means connected with said cam lever for driving said shaft, and a clutch coupling between said shaft and said shaft driving means whereby said shaft may be simply uncoupled from said driving means and left free without interference with said cam lever.

2,494,984
QUENCHING PRESS
Oliver F. Bauer, East Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application February 8, 1945, Serial No. 576,876
17 Claims. (Cl. 266—6)

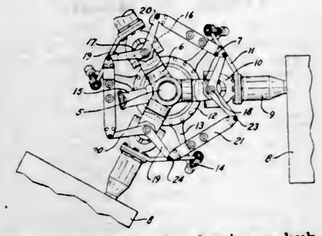
1. A quenching press comprising a frame, a clamping member reciprocably mounted on the frame, a work support pivotally mounted on the frame, means for rocking the work support in opposite directions about its pivot to move it from operative position in alignment with the clamping member to loading position out of alignment therewith, and vice versa, means for reciprocating the clamping member to move it from released position to clamping position, and vice versa, and

means for interconnecting the two first-named means so that the reciprocating means for the



clamping member can not be actuated unless the work support is in operative position.

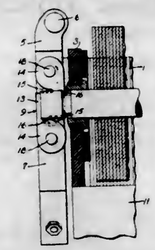
2,494,985
AIRCRAFT ROTOR DAMPING DEVICE
Harris S. Campbell, Bryn Athyn, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 26, 1946, Serial No. 706,013
6 Claims. (Cl. 170—160.55)



1. For an aircraft rotor having a hub, a plurality of blades each connected to said hub by a generally vertically disposed pivot, a pair of arms associated with each of said vertical pivots and arranged to move with the blade as it swings thereon, a damping device for the control of blade movements on said pivot, said device being attached by a pivot located at one end of the arms associated with one of the blades, and being attached by a pivot at the other end to one of the arms associated with another blade, said device having an elongated central plate member and two outer elongated plate members, friction material interposed between said plates, means for retaining said plates in proper relative position and to allow longitudinal movements of the inner plate relative to the outer plates and adjustable means to apply a pressure between the outer plates and the inner plates.

2,494,986
CAM WEAR PLATE FOR SWITCH BLADES
Louis C. Carissimi, Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application August 4, 1948, Serial No. 42,523
3 Claims. (Cl. 200—166)

1. In an electric motor wherein a magnetizable core is formed to provide spaced poles, an armature is rotatably mounted in operative relation with respect to said poles, on a shaft rotatably mounted in bearing members supported by said core, said shaft having a cam member on one end for operating a make and break contact device, and said make and break contact device has a contact arm controlling the make and break of the contact device through oscillation thereof by said cam member, the combination of an insulating strip mounted between said contact arm and said cam member to provide an insulating and wear receiving member for said arm in con-



tact with said cam member, means rigidly attaching opposite ends of said strip to said contact arm, and said insulating and wear receiving member being formed of a strip having slot means between said opposite ends extending transverely across said strip from one side and leaving a bendable marginal portion connecting opposite ends together and bendable in the plane of said strip to compensate for differences of expansion of said contact arm and contact strip to maintain said contact strip in engaged relation with said contact arm throughout the length thereof during relative expansion therebetween.

2,494,987
HEATING DEVICE
Rose R. Chaitin, Freehold, N. J.
Application September 12, 1947, Serial No. 773,661
2 Claims. (Cl. 128—379)



1. In a heating device for application to individual parts of the human body, a substantially rectangular shaped body member, heating means carried by said body member, a pair of oppositely disposed cut-out areas extending inwardly from the edges of the body member, additional oppositely disposed cut-out areas extending inwardly from the edges of the body member at approximately right angles to the first mentioned cut-

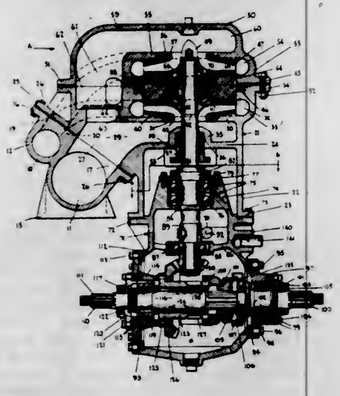
out areas, and separable closure fastening means associated with each cut-out area for closing said areas whereby the body member may conform to the contour of that part of the body on which it is placed.

2,494,988

CENTRIFUGAL PUMP

Francesco Colliura, New York, N. Y., assignor to Waterous Company, St. Paul, Minn., a corporation of Minnesota

Application June 20, 1947, Serial No. 755,852
19 Claims. (Cl. 103—105)



1. A centrifugal pump comprising a lower impeller housing casting, a shaft extending therethrough in a substantially vertical direction, an impeller mounted on said shaft for rotation therewith, a spacing member secured to said casting above said impeller drain passage means through said spacing member, a shaft bearing on said spacing member, a second impeller mounted on said shaft above said spacing member, and a top casting enclosing said second impeller.

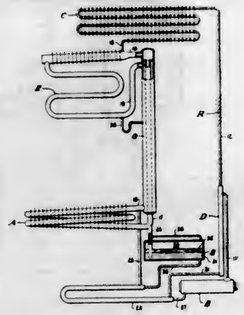
2,494,989

REGULATING PRESSURES IN AN ABSORPTION REFRIGERATING SYSTEM IN ACCORDANCE WITH AMBIENT TEMPERATURES

Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application March 27, 1947, Serial No. 737,547
11 Claims. (Cl. 62—119.5)

3. Absorption refrigerating apparatus including an evaporator and an absorber connected to form a circuit for inert gas therethrough and therebetween, a generator, a condenser connected to receive refrigerant vapor from said condenser and to supply refrigerant liquid to said evaporator, an absorber, means including a reservoir vessel connecting said generator and said absorber for circulation of absorbing solution therethrough and therebetween, said reservoir being so connected in said solution circuit that a gas space is provided above the liquid level therein and solution inlet and outlet connections thereto are provided adjacent its bottom portion below the said liquid level, means providing restricted communication between said inert gas circuit and the upper gas space in said reservoir, and a body of liquid which is progressively vaporizable and condensible as the temperature of said reservoir



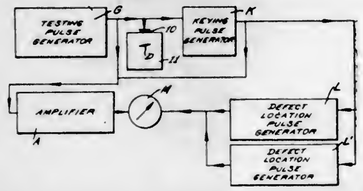
varies floating on the surface of the liquid therein contained.

2,494,990

METHOD AND MEANS FOR LOCATING DISCONTINUITIES BY PULSES OF RADIANT ENERGY

Ralph B. De Lano, Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York

Application June 27, 1947, Serial No. 757,518
4 Claims. (Cl. 343—13)



1. In a wave train sending and receiving system, a transmitter for transmitting a wave train into a medium to be inspected, a receiver for receiving reflections of the wave train from reflecting surfaces in the medium, an indicator actuated by said receiver, means tending to render the indicator effective throughout a period commencing at a predetermined time following the transmission of the wave train and ending a predetermined time before receipt of reflections of the wave train from a predetermined point in the medium, means for rendering said first means ineffective during said period for a relatively short predetermined time whereby the indicating means is effective before and after said predetermined time, and means for varying the time delay in rendering said second means effective after said first means is rendered effective.

2,494,991

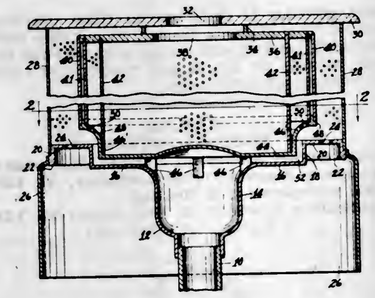
PERFORATED COMBUSTION TUBE OIL BURNER HAVING ATMOSPHERIC AIR DRAFT INDUCING MEANS

Francois U. Dumas, Spencer, Mass.

Application December 27, 1946, Serial No. 718,622
1 Claim. (Cl. 158—87)

An oil burner comprising a base element of circular form having a series of holes adjacent

the periphery thereof, said base element being of depressed cup-shape form, centrally thereof to form a fuel reservoir, an oil feed pipe to the reservoir, a perforated cylinder mounted on the base element at the periphery thereof, said cylinder surrounding the holes, a plate mounted in spaced relation above the base element and forming therewith a fuel passage radially from the reservoir to the edge of the plate, an annular flange about the periphery of the plate extending upwardly and outwardly and located radially inwardly of and adjacent to the said holes, said annular flange having a series of holes located about the periphery thereof, means forming a shoulder on the flange outwardly of the series



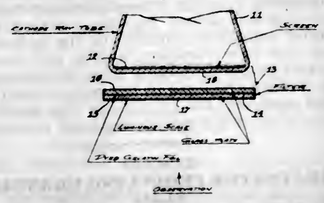
of holes therein, a second perforated cylinder supported on the shoulder and positioned thereby coaxially with respect to the first cylinder, the second cylinder having a lesser diameter than the first cylinder so that the two cylinders are spaced, one being within the other, an imperforate skirt depending from the base element at the periphery thereof to create a draft through the holes and between the cylinders when the fuel is under combustion at the edges of the plate, and a third perforated cylinder resting on the plate and located against the flange, the second and third cylinders being spaced and the holes in the flange being located between the second and third cylinders.

2,494,992

CATHODE-RAY TUBE

John P. Ferguson, Spokane, Wash., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 2, 1943, Serial No. 481,541
10 Claims. (Cl. 250—164)



1. In combination, a cathode ray tube having an oscilloscope screen, and a filter with self-luminous lines forming a scale disposed in front of said screen.

2,494,993

MANUFACTURE OF CHLOROCRESOLS

Reginald Thomas Foster, Birkenhead, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 25, 1945, Serial No. 607,084. In Great Britain April 21, 1943
6 Claims. (Cl. 260—623)

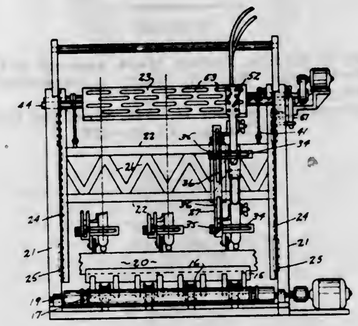
1. A process for the production of a monochloro-cresol which comprises introducing chlorine into a solventless molten cresol at a temperature between 80° C. and 100° C., and terminating the introduction of chlorine when the reaction product contains, in combination, between 0.9 and 1.2 atoms of chlorine per molecule.

2,494,994

METAL CUTTING MACHINE

Gumersindo V. Gamallo, Youngstown, Ohio

Application August 27, 1946, Serial No. 693,213
2 Claims. (Cl. 266—23)



1. In a metal cutting machine having means for moving metal to be cut; a bridge member spanning said metal moving means and frame members adjustably positioned on the said bridge member, a cutting torch on each of said frame members and control means on each of said cutting torches, and movable means carried by each of the said frame members for engaging the surface of the metal to be cut and imparting said movement to said frame members to maintain a predetermined spaced relationship between the said torches and the said metal to be cut, and means for simultaneously manipulating the control means on each of the said cutting torches.

2,494,995

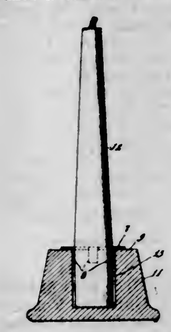
SPACING COLLAR

Ralph N. Gardner, Chicago, Ill.

Application January 12, 1946, Serial No. 640,787
1 Claim. (Cl. 67—23)

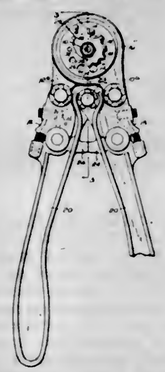
An article for use in supporting a candle in rigid upright position within a candle holder comprising, a flat disc of cardboard having a circular outer periphery, four angularly spaced fingers formed integral with said disc and extending inwardly toward and terminating adjacent the center of said disc, said disc having an arcuate inner peripheral edge interrupted at spaced intervals by the base portions of said fingers, the radius of the arcuate inner peripheral edge of said disc being substantially equal to the radius of a candle holder socket, said fingers being bendable downwardly and outwardly against the wall of a candle

holder socket during insertion of a candle through said disc and into a candle holder socket where-



by the sides of a candle will be engaged by said fingers.

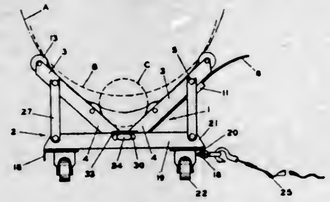
2,494,996
RIVET CUTTER
John W. Geddes, Boston, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application December 11, 1944, Serial No. 567,767
8 Claims. (Cl. 30—226)



1. A rivet cutter comprising a pair of relatively movable superposed jaws having alignable openings to pass a rivet shank, a stack of gage plates pivoted on one of the jaws, each plate having an edge portion substantially radial to the pivotal center and an adjacent edge portion substantially conforming to an arc about said center, said plate adapted to be adjusted to cause said edges to lie substantially tangentially to an opening at widely separated points about its circumference and each plate having also a portion of reduced radius which may be adjusted to lie adjacent such opening to provide a clearance space between such portion and the opening.

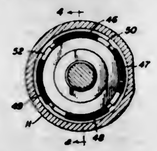
2,494,997
DISPLAY DOLLY
Lewis A. Geistert, Grand Rapids, Mich., assignor to Simplex Display Fixture Company, Grand Rapids, Mich., a corporation of Michigan
Application October 17, 1947, Serial No. 780,519
6 Claims. (Cl. 214—85)

1. A display dolly comprising: a truck including a frame and rotatable, floor engaging, supporting means; roller equipped material supports pivoted at one end to said truck and in one position inclined upwardly and outwardly from said truck and away from each other, and in the



other position at least one of them positioned parallel to said truck frame; detachable means selectably holding said supports in said one position; handles on one of said supports extensible for forming inclined ramps.

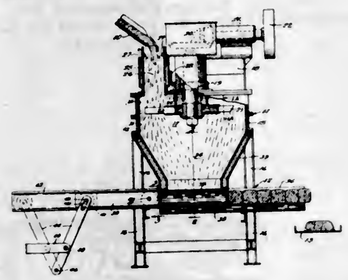
2,494,998
POTENTIOMETER
Harold Guller, Richmond Heights, Mo., assignor to Essex Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application February 10, 1948, Serial No. 7,380
5 Claims. (Cl. 201—48)



1. A rheostat comprising a hollow substantially cylindrical base member, resistance units mounted on the outside of said base member provided with windings partly extending along said cylindrical member and partly at right angle thereto, a spindle member rotatably held in the hollow interior of said base member, a cylindrical outer handle member enclosing the base member and the resistance elements completely, said cylindrical outer handle member being fixedly connected with said spindle member, wipers carried on the inside of said outer cylindrical member, cooperating with the windings which are at right angle to the cylindrical base member, a cylindrical detent member fixedly associated with said spindle member and provided with a stopping recess the walls of said recess being spaced for limiting the rotational movement of the base member around the axis of the spindle member, a projecting stopping pin moving within said recess and held in the base member, a spring pressed member carried by said cylindrical detent member, pressed against the inner cylindrical surface of the hollow interior of the base member, and a pin extending along and partly projecting from the inner cylindrical surface arranged in the path of said spring pressed member, for increasing the mechanical resistance against further rotational movement.

2,494,999
APPARATUS FOR PRODUCING GRANULATED SLAG
James A. Halkins, Bethlehem, Pa., assignor to The Waylite Company, a corporation of Illinois
Application October 22, 1945, Serial No. 623,776
4 Claims. (Cl. 49—1)

4. In an apparatus for producing from molten slag an expanded slag adaptable for use in producing light weight aggregate, the combination of a vertically disposed expansion chamber to receive freely falling molten slag, spray nozzles in the expansion chamber for subjecting the freely falling molten slag to water sprays carefully regulated as to force and quantities of water, a collecting surface below the expansion chamber,



beaters disposed between the expansion chamber and the collecting surface for violently agitating and dispersing the slag falling from the expansion chamber and for forcefully directing it onto the collecting surface, and means for applying a compression force to the slag on the collecting surface.

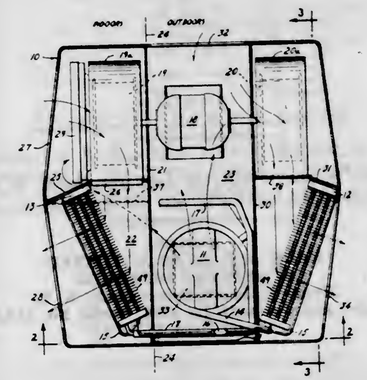
2,495,000
PRODUCTION OF AZO DYESTUFF IMAGES FROM N-ACYL-N-ARYL HYDRAZINE DEVELOPERS
William E. Hanford, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 24, 1945, Serial No. 579,681
13 Claims. (Cl. 95—88)

1. The process of producing azo dyestuff images in a photographic element which comprises developing a reducible silver salt image selected from the class consisting of reducible silver halide and silver ferrocyanide with an asymmetrical N-acyl-N-aryl hydrazine in which a terminal group is primary amino while reacting the oxidation products produced from said N-acyl-N-aryl hydrazine by such development with a compound containing a reactive methylene group as an azo dye coupling component to produce an azo dyestuff in situ with the resulting metal image.

2,495,001
PROCESS FOR PRESERVING RICE
Toyoyori Hara, Chicago, Ill.
No Drawing. Application August 11, 1948, Serial No. 43,759
7 Claims. (Cl. 99—186)

1. The process of preserving rice comprising soaking the rice in a solution of water, salt and sugar, and edible oil for a predetermined period of time at a temperature of approximately 70° F. in an unsealed receptacle, gradually heating the unsealed receptacle containing the rice and solution, and cooking the same for a predetermined period of time under steam pressure, after which the pressure is released and the receptacle sealed.

2,495,002
AIR CONDITIONING APPARATUS
Edward L. Hart, Abington, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 17, 1948, Serial No. 15,383
4 Claims. (Cl. 62—140)

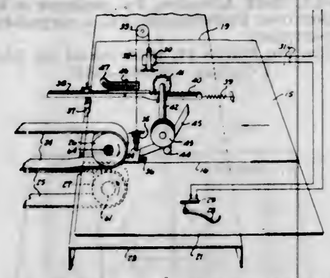


1. An air conditioner or the like, comprising: a generally rectangular housing; an evaporator element within said housing and so disposed as to extend angularly across one corner of the housing; a condenser element within said housing and so disposed as to extend angularly across an adjacent corner of the housing; each of said elements including a plurality of fins defining parallel passages through the element, air propelling means disposed within another corner portion of said housing and operable to direct a stream of cooling air in heat exchange relation with said condenser element; and second air propelling means disposed in the other corner portion of said housing and operable to direct a stream of air to be cooled in heat exchange relation with said evaporator element, both said evaporator and said condenser elements having such angular disposition with respect to the air stream flowing in heat exchange relation therewith that the air impinges against side portions of said fins and is redirected thereby and caused to flow through said parallel passages.

2,495,003
TAPING MACHINE
Frank J. Haas, Bayside, N. Y., assignor to Richard Goetz, doing business as Boxart Machine Company, Brooklyn, N. Y.
Application June 3, 1947, Serial No. 752,107
7 Claims. (Cl. 93—56)

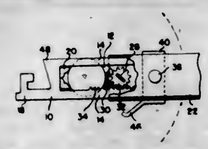
1. In a taping machine for box blanks or similar articles wherein a blank is moved through the machine receiving a length of tape on a surface thereof, in combination, means to be engaged by the blank as it is moved through the machine and advanced in the direction of travel of the blank, means for advancing a length of tape toward the surface to be taped, driving means interconnecting said first means and said second means, means for disengaging said first means from the blank upon a predetermined travel of said first means with the blank, knife means for cutting the tape, and means including a solenoid

and a switch therefor having a feeler element in the path of travel of the blank for actuating the



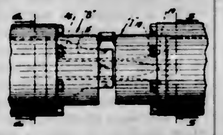
knife means to cut the tape responsive to the travel of the blank through the machine.

2,495,004
RACK AND GEAR ACTUATED SCREW CAP REMOVER
Henry J. Hauck, Schenectady, N. Y.
Application January 25, 1946, Serial No. 643,309
1 Claim. (Cl. 81—3.42)



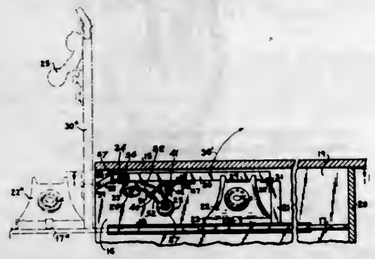
In a tool of the character described, an elongated sleeve, a substantially rectangular plate member slidably mounted in said sleeve, said plate member having a longitudinal slot therein, rack teeth formed on said plate member and facing said longitudinal slot, a shaft rotatably mounted in said sleeve, said shaft extending transversely through said longitudinal slot and said sleeve, a gear within said sleeve secured to said shaft for rotation thereby and meshing with said rack teeth, an operating key secured to one end of said shaft for manually turning the same, a toothed disc drivingly secured to the other end of said shaft, and a jaw secured to said plate member and extending toward said toothed disc, whereby said jaw and toothed disc are adapted to grip therebetween a cap for turning the same, the engagement between the cap and said disc automatically increasing the grip of the same and said jaw on the cap as the cap turning force is applied.

2,495,005
METHOD OF AND APPARATUS FOR MAKING SOAP CAKES
Irving M. Hoglin, Denver, Colo.
Application April 2, 1945, Serial No. 586,241
16 Claims. (Cl. 25—8)



5. In apparatus of the class described two complementary dies positioned in opposed spaced relation, means for extruding a stream of plastic material through each die and into interfitting relation with the other stream in the space between the dies, and means for simultaneously cutting streams adjacent the surfaces at the outer open ends of the dies after portions of the streams have become interfitted to an extent substantially the distance between the dies.

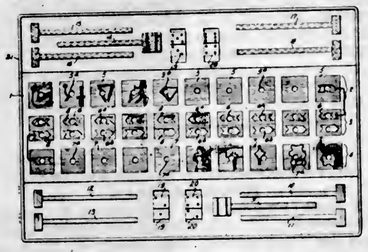
2,495,006
AUTOMATIC TELEPHONE EJECTOR
Frank G. Holmes, Philadelphia, Pa.
Application October 21, 1948, Serial No. 55,799
10 Claims. (Cl. 179—146)



1. A device for facilitating use of the telephone, comprising a slide-type carrier for the telephone instrument, means for mounting the instrument immovably on the carrier, a structure adapted to be secured to an article of furniture such as a desk, table or the like and at a location below the top of said furniture article, means partially carried by said structure and partially carried by the carrier for guiding the latter to perform back and forth movements between a retracted and a protruded position thereof, a bar-like support hingedly mounted on said carrier along a substantially horizontal axis arranged transverse to the direction of back and forth movement of the carrier, said axis being between the instrument and the inner end of the carrier and said support being forwardly extended for crossing the switch-button means on the instrument at its portion for cradling its liftable receiver, means for securing the receiver on said support at a point located outwardly from the instrument, and a telephone-disabling means for causing swing of the support downward on its hinge mounting thereby to cause the support to press down on said switch-button means to close the telephone line.

2,495,007
BOARD GAME APPARATUS
Le Roy Howard, Beverly, Mass., assignor to Parker Brothers, Inc., Salem, Mass., a corporation of Maine
Application March 5, 1947, Serial No. 734,931
10 Claims. (Cl. 273—134)

1. In a piece-taking board-game apparatus adapted to be played by two players, each having a plurality of pieces until all pieces of one player are captured and involving the use of a chance movement-determining device or devices; a playing board of rectangular elongated form having marked thereon three adjacent, parallel, straight rows lengthwise said board and constituting the marked part of the playing field, said three rows having their respective ends in substantially coterminous alignment transversely of the playing board and adjacent opposite ends thereof, said playing board as so marked delineating two opposite, outer, safety rows for the pieces of the two players respectively, and an intermediate or taking row, each of said three rows being divided into an equal number of spaces, each of the spaces of the two outer safety rows having only a single piece-receiving hole for the pieces

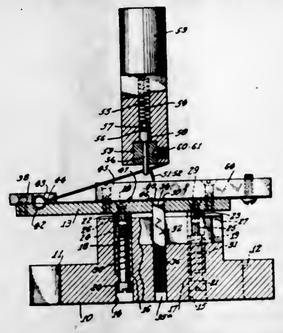


of only one of the two players, and each of the spaces of the said intermediate or taking row having two piece-receiving holes for the pieces of the two players respectively.

2,495,008
ADHESIVE TAPE
Clark M. Keaton, Seattle, Wash., assignor to American-Marietta Company, Seattle, Wash., a corporation of Illinois
No Drawing. Application January 18, 1947, Serial No. 722,973
3 Claims. (Cl. 117—68.5)

3. A tape having on one face a latex-base pressure-sensitive adhesive and on the other face a thermo-plastic backing non-blocking to said adhesive; said backing comprising, 100 parts by weight, substantially: a glycol ester of a hydrogenated rosin 45.5 parts, a paraffin wax 9.0 parts, and diamine polyamides of polymerized octadecalenoic acids 45.5 parts.

2,495,009
TOOL FOR ATTACHING TANGS TO BELTS
Max Kiessling, Waterbury, Conn., assignor to The American Fastener Company, Waterbury, Conn., a corporation of Connecticut
Application March 13, 1944, Serial No. 526,292
2 Claims. (Cl. 153—1)



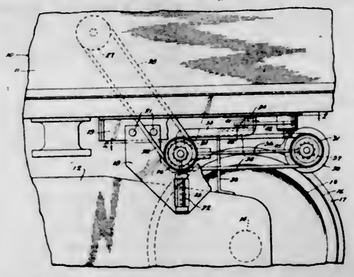
1. In a machine for attaching upon a sheet of material a V-shaped clip having on its upper leg a depending prong and on its lower leg a pair of front and rear longitudinally spaced apertures, a fixed anvil having a concave upper face, said anvil projecting upwardly through an opening in the bed of said machine, a punch located above said upper leg, said punch having a plunger yieldingly mounted at the lower end of said punch, said plunger being offset forwardly from the forward edge of the anvil to engage and prevent forward movement of said clip during the attaching operation, means to force said punch downwardly against said upper leg to cause said prong to penetrate said sheet, pass through said front aperture, and be bent rearwardly and upwardly by said anvil, pass through said rear aperture, and finally to penetrate said sheet from the bottom side thereof.

2,495,010
INSULATION LINER FOR MOTOR CORE SLOTS
William T. Kirkpatrick, North Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 18, 1946, Serial No. 704,017
8 Claims. (Cl. 172—36)



5. A dynamoelectric machine comprising, a core having teeth on one peripheral face thereof extending peripherally about said core, said teeth having widened ends so as to form peripherally spaced slots having narrow openings extending to the face of the core, insulation liners in each slot, each liner having an outward fold at each end extending toward and into juxtaposition to each end face of said core and of a length substantially equal to the peripheral length of said slots plus between three and four times the width of said slots adjacent their open ends, a reenforcing tape of the same length as said liners secured beneath each folded end and extending to a point inwardly of the ends of said slots, coils in said slots and lying in said liners, one end of each liner being folded across said slots against said coils and reversely with the second fold lying against the first, the other end of each liner being folded across said slots against the folds of the first end and reversely with the second fold lying against the first.

2,495,011
POWER TAKE-OFF DEVICE
Adolph G. Kuellmar, Chicago, Ill., assignor to Union Asbestos & Rubber Co., Chicago, Ill.
Application July 20, 1945, Serial No. 606,094
8 Claims. (Cl. 105—112)



3. A power take-off for a railway car having a body, a truck pivoted to the body and a rail en-

gaging wheel on the truck, said take-off comprising a support pivoted on the car body on an axis parallel to the truck pivotal axis, a take-off roller rotatably carried by the support in a position to engage the wheel, and means operatively connecting the truck and the support and operated by pivotal movement of the truck relative to the body to turn the support about its pivotal mounting thereby to maintain the roller in engagement with the wheel.

2,495,012
HANDKERCHIEF HOLDER
Warren E. Kugler, Minneapolis, Minn.
Application June 10, 1944, Serial No. 539,618
3 Claims. (Cl. 24—3)



1. In a holder of the class described, a flat-like body having a lateral extension at its upper end provided with an elongated opening for receiving and supporting a handkerchief, and said body comprising a plurality of resiliently connected elements disposed in the plane of the body and between which portions of the handkerchief may be inserted to retain the handkerchief in the holder.

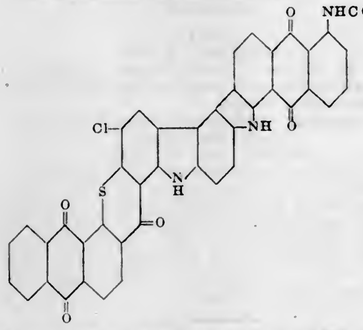
2,495,013
FOUNTAIN PEN
Henry George Martin, Buenos Aires, Argentina, assignor, by mesne assignments, to Eversharp, Inc., Chicago, Ill., a corporation of Delaware
Application March 7, 1945, Serial No. 581,395
3 Claims. (Cl. 120—42.08)



1. The combination in a fountain pen of a writing point, an ink reservoir including an ink-conveying tube of capillary dimensions communicating with said writing point and containing a main supply of viscous ink for feeding to said point, and a terminal slug of ink having a distinctive color characteristic in contact with and movable through said tube with said main ink supply adjacent the end thereof, whereby deposit of said terminal ink on a writing surface by said point serves to visually indicate on said surface the approaching exhaustion of said ink supply in said reservoir.

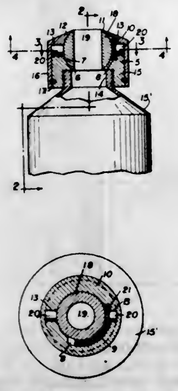
2,495,014
ANTHRAQUINONE THIOXANTHONE DICARBAZOLES
Fritz Max, Easton, Pa., and David I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 5, 1946, Serial No. 714,148
1 Claim. (Cl. 260—316)

The compound of the formula:



which dyes cotton from a hydrosulfite vat in brownish violet shades of excellent fastness properties.

2,495,015
ROTARY RECEPTACLE CLOSURE
James R. McGrath, Wildwood, N. J.
Application April 28, 1947, Serial No. 744,296
2 Claims. (Cl. 222—507)



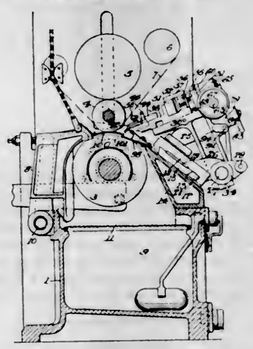
1. A rotary receptacle closure comprising a socket element, said socket element including a cylindrical base member having a central opening whose wall forms a segmento-spherical seat, said base member having an arcuate rabbet in the top thereof around a portion of and at the top of said seat, said rabbet defining a bottom wall and a vertical wall at the outer side of said bottom wall inwardly of the periphery of the base member, said base member having an arcuate series of rack teeth on the bottom wall of said rabbet, and a flanged cap member rotatably fitted and secured on said base member and having a thick top portion provided with a central opening whose wall forms a segmento-spherical seat extending to the bottom of said top portion and co-acting with the first named seat to form a substantially spherical socket, said cap member being formed in the bottom of its top wall and at opposite sides of the second named seat with diametrically opposed bearing recesses and with a larger recess at the inner end of one of said bearing recesses, and a rotary spherical closure member fitted in said socket, said closure member having a diametrical passage therethrough and being provided at opposite sides with diametrically opposed stub shafts which project at right angles to said passage and are journalled in said bearing recesses, one of said stub shafts having a gear on its inner end arranged in said larger recess and meshing with said rack teeth whereby rotation of the cap member in reverse directions will cause rotation of the closure member about the axes of said stub shafts and about the axis of said passage to respectively align said passage with said openings and to position said passage out of alignment with said openings, the base member having a depending internally threaded marginal flange adapted to be screwed on the externally threaded neck of a collapsible receptacle, said cap member having a cylindrical depending marginal flange extending to the bottom of the depending flange of said base member and completely enclosing the cylindrical surface of the latter, and means coacting with the flanges of the base member and the cap member for rotatably retaining the latter on said base member.

2,495,016
SELF-LOCKING AND UNLOCKING DIFFERENTIAL GEAR SYSTEM
Albert W. Mesick, Brooklyn, N. Y.
Application November 12, 1947, Serial No. 785,215
2 Claims. (Cl. 74—710.5)



1. A differential gear system including axially aligned gear wheels, a driven frame rotatable about the axis of said gear wheels, aligned planetary pinions journaled in said frame between said gear wheels so as to intermesh therewith, a shaft keyed to one of said pinions so as to rotate therewith, said shaft having a screw-threaded portion adjacent said pinion, a floating locking piece on said shaft adapted under the urge of centrifugal force to engage the threaded portion of said shaft so as to be moved thereby toward and from locking engagement with said pinion.

2,495,017
SEALING MEANS FOR ROTARY INTAGLIO PRINTING PRESS INK FOUNTAINS
Joseph E. Meyer, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Original application April 21, 1945, Serial No. 589,598. Divided and this application March 20, 1947, Serial No. 736,095
2 Claims. (Cl. 101—157)

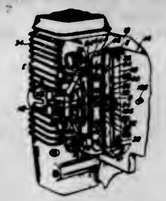


1. In an enclosed ink fountain, a base, a fixed back frame, a slide bar fixedly secured thereto, a printing cylinder and a wiping mechanism therefor comprising a carriage mounted to reciprocate on the slide bar, a doctor frame pivoted to swing on the reciprocating carriage, a doctor blade, upper and lower blade clamping bars, a doctor blade deflecting bar surmounting the upper blade clamping bar, means for providing an ink seal between the back frame and doctor blade when the doctor blade is in its wiping position, comprising a holder bar secured along the upper edge of the back frame and a sealing plate secured to the upper surface of the holder bar and pressing against the inner edge of the lower blade clamping bar, narrow spring strips secured to the holder bar at their lower ends and sealing blocks secured to the upper portions of the spring strips in position to press against the under surfaces of both the doctor blade and the said inner edge of the lower blade clamping bar beyond the upper edge of the said sealing plate, said sealing blocks being located beyond the ends of the cylinder and overlapping the transverse surfaces of the said ends.

2,495,018
HINGED APERTURE GATE
Lewis H. Moomaw, Great Neck, N. Y., assignor to De Jur-Amsco Corporation, Long Island City, N. Y., a corporation of New York
Application October 17, 1946, Serial No. 703,806
3 Claims. (Cl. 88—17)

1. In a motion picture projector, a projector housing, an aperture plate mounted thereon and containing a light aperture past which film moves, guiding members on said plate for guiding the film past said aperture, said guiding members comprising a fixed member for guiding one side of said film, and a movable member for guiding the other side of said film, said movable member being spring biased toward said fixed member, a pressure element for maintaining the film in pressed and slidable relation to said aperture, said pressure element comprising a pressure plate having a face movable into parallel and pressed relationship with said light aperture over an area

surrounding the same and having an aperture in said face registrable with said light aperture, and a lens receptacle, said pressure element being mounted in said lens receptacle at the end thereof adjacent to said aperture plate and having recesses for receiving said guiding members, said lens receptacle being hingedly mounted on said



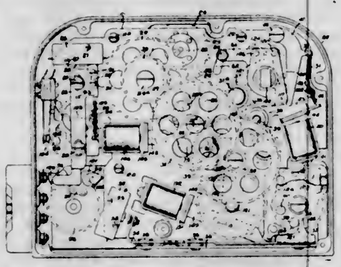
housing so as to be movable between a position in which the aperture and the film thereover are exposed and a position in which the pressure element bears against the film adjacent to the aperture and in which said guiding members are received within the recesses in said pressure element to define, over said aperture, a film guiding passage open only at the axial ends thereof.

2,495,019

ROLL FILM CAMERA HAVING DIFFERENTIAL MEANS FOR OPERATING PRESSURE PADS

Louis D. Nadel, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware

Application April 19, 1946, Serial No. 663,547
31 Claims. (Cl. 95—31)



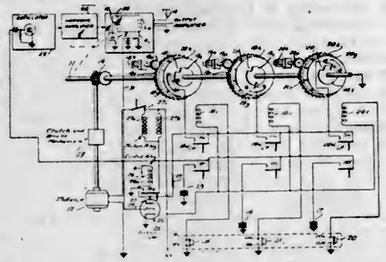
24. Means for operating the pressure pad of a photographic camera comprising, in combination, means to support a film, film feeding means, a pressure pad to engage flatwise the surface of the film whenever the film is not being fed, and means operatively connecting in action the film feeding means to the pressure pad, thereby to remove the pressure pad from contact with the film by the action of the said film feeding means, and only while the film is being fed, such connecting means including differential means, said differential means including a gear, a movable arm carrying other gears, means to move said arm to bring one of the gears carried by the said arm into mesh with said first mentioned gear, means to hold said first mentioned gear from rotation, another gear meshing with said first mentioned gear and which, when said first mentioned gear is held stationary, is itself caused to travel bodily along the periphery of the gear so held stationary, a movable member whereon is supported the gear that is caused to travel bodily, and pressure pad operating means connected to said movable member and to said pressure pad to move the latter, thereby separating it from the film when the latter is caused to move by the film feeding means.

2,495,020

SELECTOR FOR SIGNAL SEEKING TUNING SYSTEMS

Marion J. Pifer, Williamsville, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.

Application April 19, 1944, Serial No. 531,738
10 Claims. (Cl. 250—40)



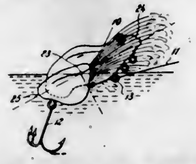
1. In an automatic tuning system, in combination, a tuner, power driven means for varying said tuner, a thermionic tube having a relay in its output circuit for interrupting variation of tuning in response to the development of resonant voltage therein, a series of push buttons each for selecting a particular frequency channel for operation, and means associated with each push button for rendering said tube inoperative to stop the variation of tuning except over a predetermined relatively narrow portion of the tuning range of said tuner including the channel to be selected by the respective push button, said last mentioned means comprising a shaft rotatable with said tuner, and a plurality of circuit controlling members on said shaft spaced longitudinally thereof, said circuit controlling members being angularly adjustable on said shaft to permit change of the frequency channel to be selected by a particular push button.

2,495,021

FISH LURE

Earl E. Pruden, Dover, N. J.

Application March 24, 1949, Serial No. 83,146
4 Claims. (Cl. 43—42.23)



2. A fish lure which comprises an elongated buoyant body adapted to float with its longitudinal axis substantially horizontal and having means on its under surface forward of its center for attachment to a line, a pair of lateral extensions from the body near its rear end having outwardly flared forward faces extending above the bottom of the body adjacent the roots of the extensions, the upper ends of said surfaces extending inwardly toward the body and with the surface of the body defining rearwardly convergent channels meeting substantially in the

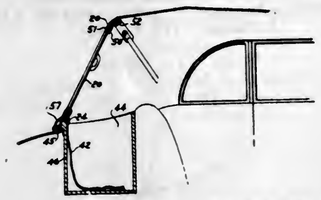
axis of the body, the rear ends of the extensions defining a channel extending rearwardly from the meeting place of the convergent channels and open at its rear end and the lower edges of the extensions lying below the level of the bottom of the body adjacent the rear ends of the extensions, and a hook attached to the body adjacent its rear end.

2,495,022

REAR WINDOW FOR COLLAPSIBLE TOPS FOR AUTOMOBILES

James M. Robbins, Ferndale, Mich.

Application May 1, 1948, Serial No. 24,458
5 Claims. (Cl. 296—145)



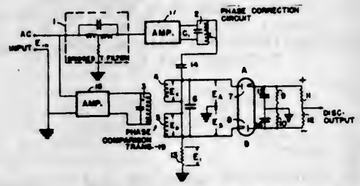
2. A closure means for the back flap opening in a collapsible convertible automobile top which comprises a transparent panel longer and wider than said opening, reinforcing means at the top edge of said panel, and weather sealing means at the lower edge of said panel comprising an H-shaped section compressible strip, the bottom edge of the panel being received between the upper legs of the H-section and the lower legs of the H-section being spaced to overlie a portion of the automobile body, including the folded back flap forming the lower margin of the back flap opening, and clamping means to secure the compressible strip to the panel comprising a U-shaped section receiving the edge of the panel in tight frictional engagement and reverse folds on the sides of said U-shaped section to clamp the upper legs of the H-section.

2,495,023

DISCRIMINATOR CIRCUIT

Paul B. Sebring, Cambridge, Mass., and Harvey Brooks, Bennington, Vt., assignors to the United States of America as represented by the Secretary of the Navy

Application May 3, 1945, Serial No. 591,760
3 Claims. (Cl. 250—27)



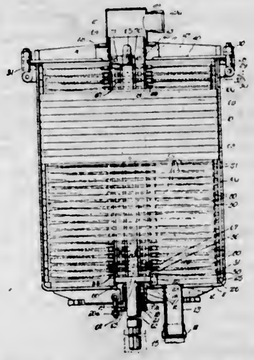
1. A frequency discriminator circuit comprising a primary circuit resonant at a predetermined frequency and adapted to receive a signal voltage of variable frequency, a center-tapped secondary circuit resonant at said predetermined frequency inductively related to said primary circuit to produce equal and opposite voltages in the halves of the secondary circuit whose phase with respect to the signal voltage vary with changes in signal voltage frequency, a resonant bridged-T filter connected to said primary circuit and adjusted to produce a voltage and phase variation in the output voltage thereof proportional to variations in signal voltage frequency with respect to the signal voltage, an impedance connected across the output of said bridged-T filter, means connecting one end of said impedance to the center-tap of said secondary circuit, rectifying means to rectify the resultant voltage between the other end of said impedance and each of the end terminals of said secondary circuit, and means to produce an output voltage proportional to the difference between the two direct current voltages produced by said rectifying means.

2,495,024

APPARATUS FOR PROCESSING SUBSTANCES CONTAINING CRYSTALLIZABLE MATERIAL

Paul F. Sharp, Piedmont, Calif., assignor to Golden State Company, Ltd., San Francisco, Calif., a corporation of Delaware

Application September 19, 1946, Serial No. 697,955
10 Claims. (Cl. 23—273)



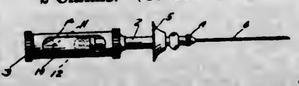
1. Apparatus for propagating and controlling crystalline development in supersaturated solutions comprising a crystal bed member provided with a surface having alterations therein adapted to hold masses of crystalline material thereto, means for introducing amounts of supersaturated solution to said surface, means for scraping said surface and for rippling through the supersaturated solution during said scraping action, supporting means for said scraping and rippling means providing relative movement between said scraping and rippling means and the crystallizing surface of said crystal bed member, said crystallizing surface and said supporting means being so constructed and arranged as to provide a shallow layer of the supersaturated solution in non-return flow across said surface.

2,495,025

HYPODERMIC SYRINGE

Arthur E. Smith, Los Angeles, Calif.

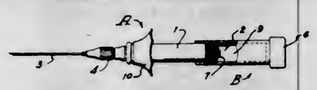
Application July 1, 1946, Serial No. 680,748
2 Claims. (Cl. 128—220)



1. In a hypodermic syringe, the combination with a cylindrical casing and a needle holder axially slidable therein, said needle holder having

external screw threads at the inner end thereof and a needle extendable therethrough, of a cylindrical ampule seated within the casing, a piston of resilient material snugly fitted to slide within said ampule, an internally threaded tubular insert axially seated within said piston, the piston having annular grooves in the periphery thereof and being made with a substantially semispherical projection rising from the inner face thereof, a resilient shouldered stopper for closing the other end of the ampule, said stopper having a recess sunk into the inner surface thereof of a size to receive the projection of said piston, there being a thin membrane between the bottom of said recess and the outer surface of the stopper.

2,495,026
HYPODERMIC SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application September 14, 1946, Serial No. 697,075
1 Claim. (Cl. 128—220)



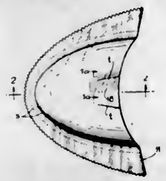
A syringe including a medicament holding ampule, said ampule comprising a cylindrical body, a closure at one end of said body; a plunger movable relative to and slidable in said ampule, said plunger comprising an elongated body fixedly mounting an inner needle and having a threaded inner end portion, a piston stopper having a threaded recess, the threaded inner end portion being adapted to engage the piston stopper threads, means closing the inner end of said threaded recess, said plunger having an exteriorly threaded outer end, a tubular head having an axial bore therethrough and having its inner end interiorly threaded and being adapted to engage the outer end threaded portion of said plunger, said inner needle in the plunger bore having an inner end adapted to be disposed in the threaded recess of said piston stopper, an injector needle having a sharpened outer end and having an inner end seated within said tubular head, said plunger being rotatable relative to the piston stopper to cause the inner end of the inner needle to pierce the piston stopper closing means to thereby place the inner needle in communication with the contents of the ampule whereby the contents of the ampule may be discharged through the inner needle, the tubular head, and the injector needle.

2,495,027
SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application July 25, 1947, Serial No. 763,571
11 Claims. (Cl. 128—220)



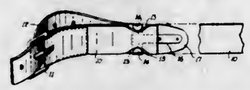
1. A syringe including a medicament holding ampule, said ampule comprising a cylindrical body having a closure at one end and a plunger slidable in said ampule, said plunger comprising an elongated body having a threaded inner end portion, said plunger having an axial bore therethrough, a piston stopper in said ampule, said piston stopper having a threaded recess, the plunger threads being adapted to engage the piston stopper threads, said piston stopper having a diaphragm closing the inner end of said threaded recess, the inner end of said plunger having a projecting, hollow, sharpened tip normally disposed in the threaded recess of said piston stopper and spaced from the diaphragm of the piston stopper, said plunger being rotatable relative to the piston stopper to cause the sharpened tip to pierce the piston stopper diaphragm to thereby place the hollow tip in communication with the contents of the ampule.

2,495,028
SHOULDER PAD
Abraham N. Spanel, Dover, Del.
Application January 27, 1948, Serial No. 4,555
6 Claims. (Cl. 2—268)



2. A shoulder pad for wearing apparel comprising a latex foam or the like sponge rubber body having a shape so proportioned that its section diminishes in wall thickness progressively in a longitudinal direction from adjacent the outer end toward the inner end throughout the major longitudinal extent of said body and progressively diminishes in wall thickness in opposite transverse directions from a central longitudinal zone of greatest thickness to substantially the respectively opposite marginal edges, and said body being provided with a centrally disposed cavity extending within the body thickness in depth from the lower surface of said body toward the upper surface, the area of said cavity at its juncture with said lower surface being so proportioned as to provide a substantial marginal surface of said lower surface between said cavity and the opposite sides and included inner end of said body, to thereby provide a recess for receiving the outer end of the clavicle while providing a sufficiently stable base for supporting said latex foam body from the wearer's shoulder.

2,495,029
STRAP OR BELT STRUCTURE
Henry Spengler, New York, N. Y., assignor to Henry J. Jackson, New York, N. Y.
Application October 21, 1944, Serial No. 559,697
7 Claims. (Cl. 2—322)

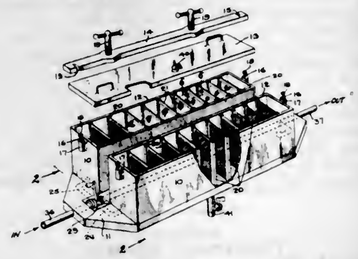


4. A combination fastening and reinforcing device for the adjustable end of a belt or the like, comprising a one-piece structure including an elongated portion adapted for fixed association with and for the reinforcement of the tip of the belt end, and a clip portion terminating in at least one substantially hook-shaped element adapted for engaging the edge of a belt body, said tip reinforcement extending from said clip portion in one direction only to the end of the belt tip.

2,495,030
FLUSHING OIL
James W. Starrett, Crete, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 29, 1945, Serial No. 638,489
7 Claims. (Cl. 252—172)

1. A composition consisting of a catalytic reformed naphtha fraction having an ASTM distillation range of from about 300° F. to about 650° F., and comprising predominately of mono- and polymethylated aromatic hydrocarbons, and from about 1% to about 20% of a phosphorus- and sulfur-containing reaction product of an olefin polymer having a molecular weight of about 150 to 50,000 and a phosphorus sulfide.

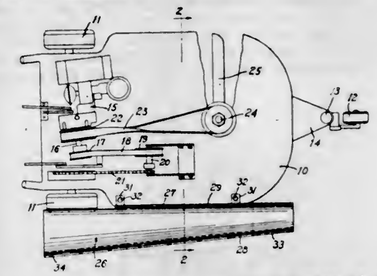
2,495,031
OIL FILTER UNIT
Kenneth Le Roy Stovall, Coos Bay, Oreg.
Application October 16, 1947, Serial No. 780,234
1 Claim. (Cl. 210—178)



In a filter apparatus of the character described, a pair of filter units respectively in the form of identical rectangular casings disposed in laterally spaced, parallel relation, a common base for supporting said casings, a plurality of interchangeable and replaceable filter elements disposed in longitudinally spaced, parallel relation within the interior of each casing and extending transversely across the direction of flow of a liquid therethrough, means for removably supporting said filter elements within each casing, a top closure member adapted to be removably secured to each casing to close the same and lock said filter elements operatively within said casing, each of said casings being provided at opposite ends thereof with fluid inlet and outlet openings respectively in communication with passages formed in said common base for said casings, valve means located at each end of said filter apparatus for opening the fluid inlet and outlet passages of one casing while simultaneously closing those of the other, and means for synchronously actuating said valve means including a shaft extending longitudinally through said base from one valve means to the other and an operating handle accessible at one end of the apparatus for rotating said shaft to render operative at any one time only one of said filter units.

2,495,032
WINDROWING ATTACHMENT FOR LAWN MOWERS
Andrew Stuhl, Navarre, Ohio
Application February 10, 1948, Serial No. 7,308
5 Claims. (Cl. 56—189)

1. A windrowing attachment for a mower having a horizontal base plate and a horizontal rotary cutting blade below the base plate, said windrowing attachment comprising an inverted channel having an inner relatively short leg and an outer relatively long leg, and means for connecting the



lower edge of the short leg to one side of the base plate in such position that the top of the channel extends above the base plate and the lower edge of the long leg is in substantial contact with the ground.

2,495,033
SLIDER FASTENER
Joseph F. Sullivan, New Britain, Conn., assignor to The North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application May 4, 1946, Serial No. 667,460
5 Claims. (Cl. 24—205)

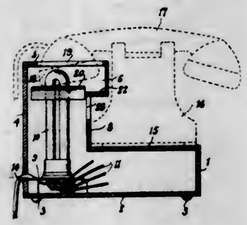


1. A light weight scoop for slide fasteners of the class described including complementary stringer tapes with rows of scoops secured thereon and a slider slidable on said rows of scoops and having locking means including a locking projection, said scoop comprising integral leg, neck and head portions, said leg portion having stringer tape attaching means and said neck and head portions having means interlockingly engageable by said slider with complementary means on adjacent scoops for coupling said stringer tapes, and said scoop having a recess extending inwardly from at least one lateral side of said scoop decreasing the weight thereof and aligned with said locking projection when said scoop is engaged with another scoop in said fastener, said recess receiving said locking projection in one position of said slider to lock said slider in said position.

2,495,034
STERILIZING HOUSING FOR TELEPHONES WITH AN ULTRAVIOLET LAMP
John Sullivan, Flushing, N. Y.
Application January 29, 1949, Serial No. 73,555
2 Claims. (Cl. 179—185)

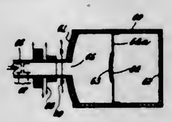
2. A sterilizing device for telephones comprising, a housing having a support on which a tele-

phone base with a receiver thereon is rested, the top of the housing being provided with an opening in which the mouthpiece end of the telephone extends while the base of the telephone is resting on the support and while the receiver of the telephone is supported on said base, a source of ultraviolet rays within the housing and adapted to direct the rays against the mouthpiece portion of the receiver while that portion of the receiver



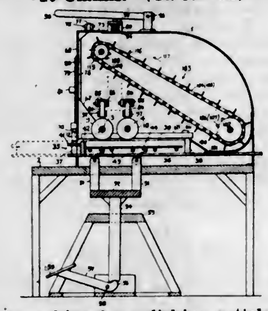
is located within the housing, a closure member in the form of a hinged plate normally held in closed position over the opening in the housing by spring means within said housing, said closure member being held in open position by the mouthpiece portion of the telephone receiver by pressure of the receiver against the closure member in opposition to said spring means when said mouthpiece portion is inserted through the opening in the housing.

2,495,035
SCHMIDT PROJECTOR HAVING CATHODE-RAY TUBE COMPRISING SPHERICAL MIRROR
Constantin S. Szegho, New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application May 13, 1942, Serial No. 442,835
6 Claims. (Cl. 178—7.5)



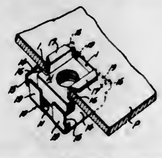
4. A Schmidt optical system television projector comprising in combination, a convex fluorescent layer, a support of conducting material therefor, an electron gun emitting electrons which impinge on the exposed surface of said layer, an evacuated envelope having a bulb portion enclosing said layer and support and a neck enclosing said gun, a spherical mirror having a common optical axis with and being concave toward said exposed surface for reflecting light emanating and emerging therefrom, and having a central aperture through which said neck projects, and a correcting plate in the path of the light rays reflected by said mirror, the bulb portion comprising a peripheral wall portion which extends for some distance in a direction substantially parallel to the optical axis between the mirror and the correcting plate, and the bulb portion being of such size with respect to the mirror that rays which are reflected from it to the correcting plate will pass by said wall portion without being intercepted by it.

2,495,036
MACHINE FOR ASHING, ROUGING, AND POLISHING ARTICLES MADE OF PLASTIC
Eugene Telenik, New York, N. Y.
Application March 21, 1946, Serial No. 656,055
10 Claims. (Cl. 51—92)



2. In a machine for polishing articles made of a plastic composition, a tray for the articles; side walls on the tray; means between the walls and the bottom of the tray for slidably supporting the walls; screws threaded into the walls extending across the tray for moving the walls, thereby clamping the articles together; and a plate for the articles removably supported on the screws; a stationary front wall; a movable front wall; and screws threaded into the stationary wall for moving the movable wall, thereby longitudinally clamping the articles.

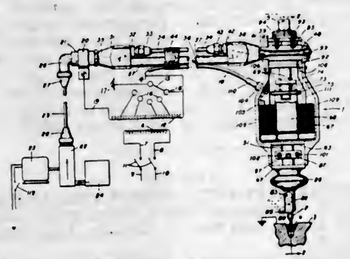
2,495,037
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 7, 1949, Serial No. 79,990
19 Claims. (Cl. 85—32)



1. A fastener comprising a piece of sheet metal bent to provide a base and spring arms at the ends of said base extending in the same general direction, said spring arms being provided with means for securing the fastener in attached position in a work opening and extending free and separate from the remainder of the fastener so as to be readily manipulated in applying the fastener to attached position, and a tab extending from the side of said fastener base adapted to be bent into abutting relation with one of said spring arms to lock the same in the attached position of the fastener.

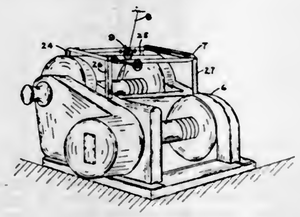
2,495,038
METAL DISINTEGRATING DEVICE
Charles D. Tucker, Cochranton, Pa., assignor to Drafto Corporation, Cochranton, Pa., a corporation of Pennsylvania
Application March 20, 1946, Serial No. 655,781
5 Claims. (Cl. 219—15)

1. A machine for working or disintegrating metals or the like comprising a frame; a projecting spindle mounted for longitudinal reciprocative movement in said frame and adapted to hold an electrode; resilient means operative to urge said spindle towards said frame; electromagnetic means operative to move said spindle



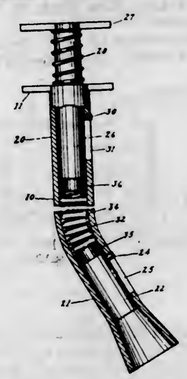
outwardly from said frame; and an electrical circuit for energizing said electrode and said electromagnetic means, said circuit including means operative to render said electromagnetic means ineffective upon the energization of said electrode.

2,495,039
SAND LINE SPOOLER
Lewis F. Tuel, Bakersfield, Calif.
Application November 12, 1948, Serial No. 59,649
3 Claims. (Cl. 242—158)



1. In combination with a winch having a rotating sand line drum, a spooling device consisting of; a substantially rectangular frame structure; removable supporting posts of differing lengths secured to the front and rear sections of said rectangular frame structure; bearings secured to the left and right side members of said rectangular frame structure; a shaft provided with a rectangular center section rotatably secured in said left side bearings; a spool closely fitting and encircling said rectangular central section and adapted to slide freely from front to rear of said rectangular central section of said shaft; a hand wheel attached to said shaft; said spool provided with left hand helical grooves; a shaft provided with a round central section rotatably secured in said right side bearings; a spool loosely fitting and enclosing said round central section and adapted to slide freely from front to rear of said round central section of said shaft; said spool provided with right hand helical grooves; a cable connecting said spools and riding in said right and left hand helical grooves; a sand line guiding sleeve connected to the end sections of said cable; said guiding sleeve adapted to control the layering of said sand line on said rotating sand line drum upon manual operation of said hand wheel.

2,495,040
VALVE STEM DISLODGING TOOL
Willie W. Walden, Hugo, Okla.
Application September 26, 1947, Serial No. 776,238
1 Claim. (Cl. 81—3)



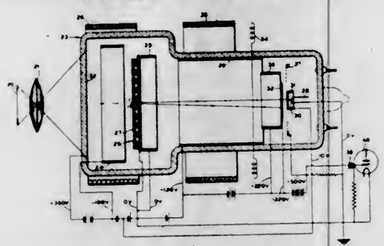
A valve-stem tool for backing a valve-stem into a rim mounted tire and for lodging the same therein and comprising a guide sleeve bent at an obtuse angle intermediate its length, the forward end of which is frustro conical shaped to receive the valve-stem normally protruding from the valve stem opening in the rim said forward end adapted to be introduced into the tire by way of said valve-stem opening, a displacing plunger slidably mounted within the inner end of said sleeve and adapted to engage the outer end of said valve-stem as said sleeve is introduced into the tire by way of said valve-stem opening, whereby said valve-stem is backed into said tire, plunger actuating means at the outer end of the sleeve, and a flexible connection between the plunger and the actuating means for displacing said plunger longitudinally of itself while engaging said valve-stem and while said sleeve, after being introduced into the tire, is tilted with respect to the longitudinal axis of said valve-stem so that said valve-stem may be ejected from the frustro conical end of said sleeve under the action of said plunger and simultaneously moved thereby to an off-center position with relation to said valve-stem opening.

2,495,041
BEACH OR SUN HAT
Manfred Weiss, New York, N. Y.
Application January 24, 1947, Serial No. 724,146
1 Claim. (Cl. 2—177)



A beach hat formed from a rectangular blank of flexible material, stitches securing together the ends of said blank forming a circle thereof, said blank being of a width less than the radius of the circle forming a central crown opening, a seam formed along the inner periphery of the opening to gather the material of the blank about said central crown opening, a seam formed along the outer periphery of the circle, and a continuous flexible member in said latter-mentioned seam.

2,495,042
TWO-SIDED MOSAIC AND METHOD OF MANUFACTURING SAME
Marshall P. Wilder, Stamford, Conn., and Arthur J. Stevens, Holliston, Mass., assignors to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application November 12, 1947, Serial No. 785,308
9 Claims. (Cl. 250—167)

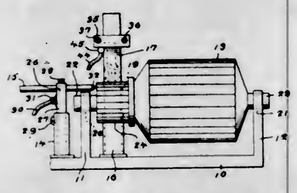


1. In a television pickup device, a mosaic screen of conductive material pierced with holes, the wall of each hole coated with calcium fluoride, a thin film forming a protective barrier over the calcium fluoride and a plug of colloidal graphite in each hole insulated from the conducting sheet and the other plugs.

2,495,043
LAMINATED PRODUCT AND PROCESS OF MAKING SAME
Grant S. Willey and Kenneth S. Ruthman, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 8, 1943, Serial No. 505,586
21 Claims. (Cl. 154—133)

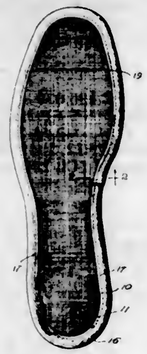
1. Process of producing lignocellulosic hardboard from a plurality of mats of lignocellulosic fiber which comprises coating at least the contacting surfaces of said mats with about 0.450 gram of ferric sulfate per square foot, drying the thus coated mats, and pressing them at about 472° F. under a pressure of about 1300 pounds per square inch for about three minutes.

2,495,044
ELECTRIC SOLDERING DEVICE FOR COMMUTATORS
James Bernard Williams, Minden, La.
Application August 23, 1948, Serial No. 45,656
3 Claims. (Cl. 219—12)



1. An armature welding stand comprising a base having spaced uprights with armature receiving recesses in the upper ends extended upwardly therefrom, a post having an electrode holding socket in the upper end mounted on the base spaced from one of said uprights and positioned in a vertical plane extended through the axis of an armature positioned in the recesses of the uprights, a tubular stand also mounted on said base, an arm having a carbon holding socket in the outer end carried by said tubular stand, said tubular stand positioned whereby a carbon in the socket of the arm thereof is also in the vertical plane extended through the axis of an armature in the recesses of the uprights and wherein the lower end of the carbon contacts the surface of a commutator bar of the armature with an electrode in the socket in the upper end of the post in engagement with the end of the same commutator bar, and electrical connections for supplying current to the electrode in the post and the carbon in the arm of the tubular stand.

2,495,045
LAMINATED PLASTIC REMOVABLE INSOLE
Robert L. Woodbury, United States Army, Litchfield, Conn., and Earl P. Hanson, Long Island City, N. Y.
Application December 8, 1942, Serial No. 468,192
6 Claims. (Cl. 36—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

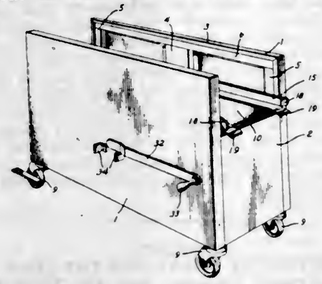


2. Plastic inner soles, comprising a plurality of superimposed plastic fabric layers of inner sole shapes fused together along their edges; said layers comprising relatively coarse intermediate layers and fine outer layers.

2,495,046
TRUCK FOR RECORD TRAYS
Carl F. Wolters, New Canaan, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application April 8, 1947, Serial No. 740,256
7 Claims. (Cl. 187—9)

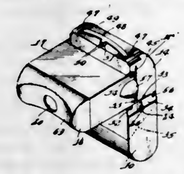
6. A truck for record trays comprising a frame including sheet metal sides and ends, the latter terminating below the upper edges of the sides to define at the top of said frame space open at each end for the reception of a record tray, spaced parallel guide rails at opposite ends of said frame, a platform vertically movable between an upper position in which it is substantially level with the upper edges of said sides and a lower position in which the platform rests upon the upper edges of the ends, said platform being guided in its movement between and by said guide rails for supporting a tray between said sides, platform moving means connected between said platform and said frame for moving said platform in parallel relation in movement between said upper and lower positions and lever

operative means connected with said platform moving means operable to move and support said platform in said upper and lower positions,



whereby a tray may be supported on said platform at the two different levels in the lower of which it is laterally enclosed by the upper portions of said sides.

2,495,047
FILM OR PLATE VIEWER HAVING A TELESCOPING CASING
Leonard N. Afton and Seymour Kaufman, Chicago, Ill., assignors to Arcadia Manufacturing Company, a corporation of Illinois
Application May 31, 1946, Serial No. 673,644
1 Claim. (Cl. 88—14)

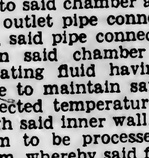


A foldable film and plate viewer having a casing part with illuminating means therein adjacent one end and with batteries for the illuminating means in the casing adjacent the other end, means for guiding a film in front of the illuminating means, a switch comprising a projection extending from one side of the casing to close a lighting circuit from the battery to the illuminating means, and a telescoping casing part movable from a position at right angles in front of the illuminating means to a closing position slidable over the end of the first casing part and overlying the illuminating means and with a recess projection at its inner telescoping edge which overlies the switch projection to prevent closing the illuminating circuit when the telescoping casing is in position over the illuminating casing, the telescoping casing having an aperture at its outer end for viewing a film lighted by said illuminating means when the casing is in extended position.

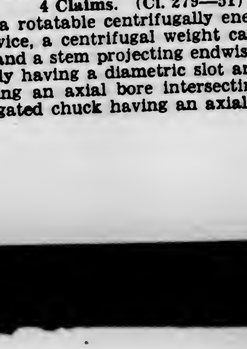
2,495,048
1,2-DIHYDROBENZO-(f)-QUINOLIN-3-OL, AND ITS METHOD OF PREPARATION
William F. Amon, Jr., Riegelsville, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 9, 1948, Serial No. 59,188
3 Claims. (Cl. 260—289)

1. The process of producing 1.2-dihydrobenzo-(f)-quinolin-3-ol, which comprises heating 1-cyanoethyl-2-naphthol with aqueous ammonium bisulfite under pressure.

3. 1.2-dihydrobenzo-(f)-quinolin-3-ol of the following structure:



2,495,049
DARK TANK WITH TEMPERATURE CONTROL FOR CONTINUOUS FILM
Frank C. Arthur, Topeka, Kans.
Application October 30, 1945, Serial No. 625,511
2 Claims. (Cl. 95—90.5)

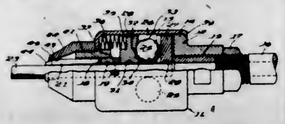


1. Film-processing apparatus comprising an annular tank adapted to contain a chemical film-treating solution, said tank having a heat transmitting inner wall and an outer wall, an open-bottomed drum hanging in said tank intermediate said inner and outer walls and adapted to be immersed in said solution, means for rotating said drum while so immersed, top and bottom closures for the space circumscribed by said inner wall and adapted thereby to form a closed cylindrical chamber having said inner wall as the outer peripheral surface thereof, an inlet pipe connection to said chamber adjacent said bottom closure, an outlet pipe connection adjacent said top closure, said pipe connections being adapted to maintain said chamber substantially filled with circulating fluid having a predetermined temperature to maintain said chemical solution at a preselected temperature by heat transmission through said inner wall, and means for supporting film to be processed on the periphery of said drum, whereby said film is treated in said solution at said preselected temperature.

2,495,050
CHUCK
Oscar H. Banker, Evanston, Ill.
Application June 26, 1946, Serial No. 679,484
4 Claims. (Cl. 279—51)

1. In a rotatable centrifugally energized gripping device, a centrifugal weight carrier having a body and a stem projecting endwise therefrom, said body having a diametric slot and said stem containing an axial bore intersecting said slot, an elongated chuck having an axial bore there-

through, said chuck comprising fingers extending lengthwise thereof and having their free end terminals extending into said slot, cam means on the radial outer periphery of said finger terminals, a follower structure in said slot and having cam surfaces slidable onto said cam surfaces for contracting said fingers into a gripping relation when said follower structure is advanced axially of the carrier within said slot, said follower structure



comprising a pin extending diametrically across the chuck bore and between finger terminals thereof to provide means for positively rotating the chuck and for limiting the distance an article to be held by the device can project inwardly of the device through the chuck bore, and centrifugal weights in said slot and adapted to impart an advance force to said follower structure responsively to rotation of the device.

2,495,051

PRODUCTION OF PHENANTHRIDINE DERIVATIVES

Harry James Barber, Gidea Park, England, assignor to May & Baker Limited, Essex, England

No Drawing. Application November 21, 1947, Serial No. 787,487. In Great Britain November 21, 1946

4 Claims. (Cl. 260—286)

3. A process for obtaining a pure 2:7-diamino-9-phenyl-10-alkyl phenanthridinium salt from the solution resulting from the reduction in the solution of a 2:7-dinitro-9-phenyl-10-alkyl phenanthridinium salt, which comprises treating that solution with excess alkali and with a member of the class consisting of butyl and amyl alcohols, these steps being carried out in either order, the alkalinity of the solution after addition of said alcohol corresponding to 1.5 normal, removing from the solution the crystalline alkoxy derivative thus formed and converting that alkoxy derivative into a quaternary salt of the 2:7-diamino-9-phenyl phenanthridine by warming with a member selected from the class consisting of the corresponding acid and salts of such acid with a weak, volatile base.

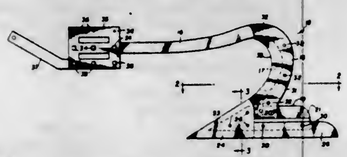
2,495,052

ROOT CUTTER

Lester Cole, Nicholls, Ga.

Application February 27, 1947, Serial No. 731,373

1 Claim. (Cl. 97—226.1)



In a root cutting blade assembly, the combination of a vertically disposed supporting plate having a concave forward edge, a horizontally elongated carrier plate secured to the lower end of said support plate and extending forwardly and rearwardly therefrom, the forward end portion of said carrier plate being equipped with a laterally and downwardly extending side wall and constituting a pointed nose-piece, the intermediate and rear end portions of said carrier plate being provided with a longitudinal rib spaced above the lower edge of the carrier plate, a hollow cutter point positioned on and enclosing said nose-piece, a flat foot secured to said carrier plate, said foot having an upper edge in abutment with said rib and a forward edge in abutment with a rear edge of said cutter point, and a cutter blade secured to said supporting plate and having a flanged, arcuate cutting edge superimposed on the concave forward edge of said supporting plate.

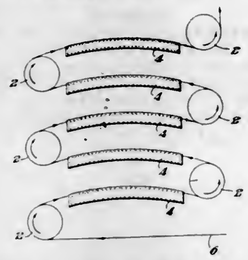
2,495,053

DRYING OF YARNS AND THE LIKE

Rollin Francis Conaway and Ira Virgil Hitt, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application January 3, 1947, Serial No. 720,030

8 Claims. (Cl. 34—41)



5. A process for treating yarn which comprises passing the yarn over members having surfaces curved on a radius between about 5 feet and about 32 feet, the said surfaces being heated at temperatures between 115° C. and 450° C. and the said yarn being passed over the said surfaces in a manner whereby direct contact of said yarn with said surfaces is avoided and at a rate of speed sufficient to prevent scorching.

2,495,054

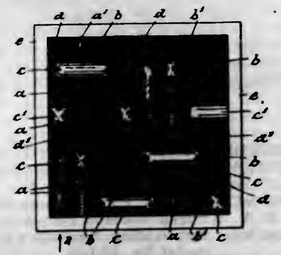
MEANS FOR USE IN THE DESIGNING OF WOVEN FABRICS

David M. Cooper, Huddersfield, England

Application February 23, 1946, Serial No. 649,636

In Great Britain February 28, 1945

5 Claims. (Cl. 35—15)



1. A patterning set comprising three groups of blocks adapted to represent the raised portions of the threads forming a fabric, each of said three groups of blocks consisting of at least two sub-groups of blocks, all said blocks being of equal width, but the blocks of the first of said groups of blocks having a relatively small length and a relatively small height, the blocks of the second of said groups of blocks, having a medium length and a medium height, and the blocks of the third of said groups of blocks having a relatively great length and relatively great height, and the blocks of each of said sub-groups of blocks differing in color from the blocks of the other sub-groups of blocks of the same group of blocks.

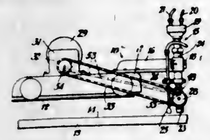
2,495,055

METHOD AND APPARATUS FOR FLAME HARDENING AND ANNEALING

John J. Crowe, Westfield, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application November 7, 1944, Serial No. 562,312

8 Claims. (Cl. 263—9)



3. Apparatus for progressively heat-treating a metal surface comprising a carriage, a torch tip mounted thereon having an inlet passage for a combustible gas mixture and a discharge face and a plurality of gas delivery passages terminating in discharge orifices in the discharge face arranged in rows spaced apart in the direction in which the heating is to progress, a rotatable valve element mounted in the tip having gas passage means adapted upon movement of the valve element to place said inlet passage in communication with said delivery passages in an order such that gas jets for heating flames will be discharged from orifices in said spaced rows in consecutive order, means for causing movement of the carriage with respect to the metal surface in the direction in which said rows of orifices are spaced apart, and drive means on the carriage for turning the valve element.

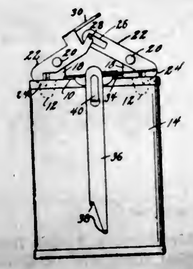
2,495,056

CAN OPENER AND CLOSURE DEVICE

Detlef H. Danel, Toledo, Ohio

Application January 22, 1947, Serial No. 723,479

4 Claims. (Cl. 220—51)



4. In a device of the class described, a sheet metal stamping substantially Y-shaped with a spring finger offset in one direction from the terminal of each leg thereof and adapted to grip the periphery of a container to mount and locate said plate against the container end, said stamping additionally provided with a pair of offsets extending in the opposite direction as to the spring fingers and disposed in alignment adjacent a diameter of the container end, a pair of sheet metal stampings providing arms, each thereof intermediately and rockably mounted on one of said offsets, said arms being configured at their remote termini to provide container piercing heads and closing means for apertures formed by the piercing operation, said arms having their portions remote from the piercing portions overlap with one thereof provided with a slot therein and the other an offset extending into said slot, one of said arms continuing beyond the offset and slot engagement to provide a trigger which when depressed causes both piercing heads to be raised from their container engaging positions, and spring means coacting between one of said arms and the plate to cause said heads to reengage the container and close said apertures upon release of the trigger.

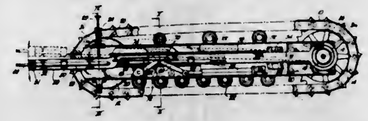
2,495,057

TRACTOR CARRIED IMPLEMENT ATTACHING MECHANISM

Morgan V. Dillingham, Lee's Summit, Mo.

Application January 21, 1946, Serial No. 642,463

1 Claim. (Cl. 180—9.1)



In a tractor having a frame provided with a pair of spaced side members, an endless, ground-engaging crawler belt operably mounted on each side member respectively, an axle joining the belts at one end thereof, a prime mover for said belts, and an operator's platform; the improvement of which comprises a substantially horizontal, elongated, flat chassis spanning the distance between the belts and pivoted at one end thereof to said axle, said chassis extending outwardly beyond the opposite end of the belts; mechanism on each side member respectively underlying said chassis near said opposite end of the belts for swinging the chassis on said axle, said chassis being adapted to carry said prime mover and said platform for swinging movement as a unit therewith; and implement attaching means rigidly secured to said outwardly extending end of the chassis, and swingable therewith.

2,495,058

BOBBIN

Charles K. Dunlap, Hartsville, S. C., assignor to Sonoco Products Company, a corporation of South Carolina

Application December 17, 1945, Serial No. 635,448

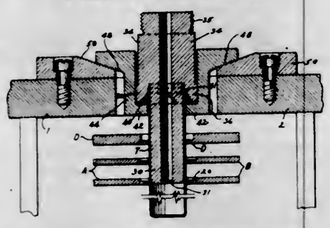
2 Claims. (Cl. 242—122)

1. A textile bobbin comprising a fibrous tubular member adapted as a bobbin barrel, a reinforcing sleeve disposed interiorly of and in keyed engagement with said fibrous tubular member, an upper spindle bushing for said bobbin having a threaded portion at one end and a flared portion at the other end, means associated with said reinforcing sleeve for engaging said flared portion and positioning said spindle bushing to extend said

threaded portion beyond the top of said bobbin, and means cooperating with said threaded portion to center said spindle bushing and secure the elements of said bobbin in assembled form.

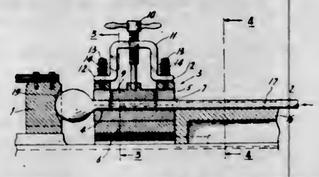


2,495,059
APPARATUS FOR MAKING METALLIC BELLOWS
William H. Grant, Cleveland, Ohio
Application August 17, 1946, Serial No. 691,216
9 Claims. (Cl. 153—73)



1. In a machine for shaping a hollow metal article by internal liquid pressure separable dies for engaging the hollow article, and means for closing the dies around the article a split ring and a stud adapted to engage a neck portion of the article between them, a tapered seat for the ring, and means actuated by the first named means for moving the ring into its seat consequent on closing of the separable dies.

2,495,060
UPSETTING OF METAL RODS OR BARS
Merrill Oliver Hanna, East Malvern, Victoria, Australia
Application December 11, 1948, Serial No. 64,885
In Australia December 18, 1947
4 Claims. (Cl. 219—3)



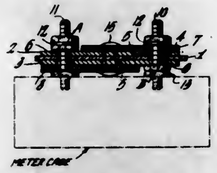
1. A method of manufacturing globular or like billets by upsetting metal rods or bars using electric resistance heating which consists in feeding the rod under pressure through a contact member into contact with a head contact, passing a heavy low voltage current through the portion of the rod between the head contact and the contact member to heat the metal of such portion to plastic state and cause it to be upset, and continuing the upsetting operation until the whole length of the rod has been upset into globular or like form, the tail end of the rod being in the final stages fed completely through the contact member.

2,495,061
PHOTOGRAPHIC PRINT PAPER HOLDER
Charles Samuel Hanson, Roseland, N. J.
Application June 16, 1947, Serial No. 754,904
3 Claims. (Cl. 88—24)



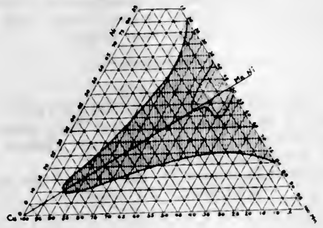
1. A print paper holder for use in taking photographic enlargements, comprising a frame having an open end and a rim flange around its top defining an opening, a bed plate fitting within said frame and having a white top surface adapted to have the image focused thereon, and means for adjusting said bed plate to three levels each parallel to said rim flange, namely against said rim flange for image focusing purposes, to a low level to provide room for insertion of the print paper through said open end upon said plate, and to an intermediate level to locate the sensitized top surface of the print paper in precisely the same plane as that wherein the top surface of the bed plate was previously located, said means for adjusting said plate comprising spring-urged means for raising said plate, said spring-urged means comprising a depending lug of said plate, a transverse rotatable rod having a crank arm provided with a slotted upper end loosely embracing said lug, and a coiled spring connection with said frame, said rod having a crank handle for rotating said rod and its crank arm to accomplish forward and simultaneously lowering movement of said plate against the tension of said spring connection, said plate upon release of said handle being raised by said spring-urged means to accomplish automatic leveling of said plate and the print paper thereon against said rim flange.

2,495,062
ELECTRICAL CAPACITOR
Roy A. Henderson, West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 1, 1945, Serial No. 619,707
7 Claims. (Cl. 175—41)



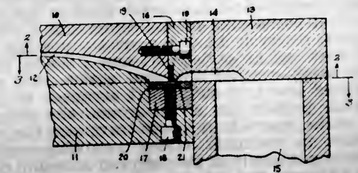
7. In combination, a radio frequency meter having terminal members protruding from the back of the meter casing, and a radio frequency by-pass condenser comprising a dielectric sheet having a plurality of apertures therein; a pair of metal electrodes each having a plurality of apertures therein which register with the apertures in said dielectric sheet, said metal electrodes being located on opposite faces of said dielectric sheet; a pair of insulating cover plates having apertures therein which register with some of the apertures in said metal electrodes, each one of said insulating cover plates being so located on one face of each metal electrode as to expose a portion of the metal; and a plurality of metal eyelets each one passing through some of the apertures in said dielectric sheet, metal electrodes, and cover plates to insulatingly bind them together to form a unit, the other apertures in said dielectric, electrodes and cover plates being arranged to permit the passage of terminal members of said meter therethrough, whereby an electrical connection is made directly from the terminal members of said meter to the exposed area of said metal electrodes.

2,495,063
HEAT-TREATMENT OF COPPER-NICKEL-MANGANESE ALLOYS
Donald R. Hood and Stanley R. Hood, Detroit, Mich., assignors, by mesne assignments, to Chicago Development Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1945, Serial No. 608,440
6 Claims. (Cl. 148—12.7)



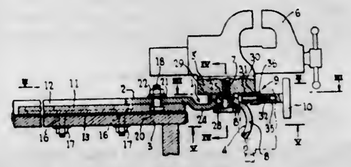
1. The improvement in hardening copper-manganese-nickel alloys falling within the shaded area of Figure 1, which consists in working the alloy to reduce its grain size, then heating it to a temperature between 975° F. and 1300° F. to fully soften the alloy, cooling the alloy at a rate greater than that obtaining in ordinary furnace cooling and then heating the alloy to a temperature of 500° F. and 950° F. for a period of at least 10 hours whereby to obtain a hardened alloy with improved properties.

2,495,064
MOLD WITH TUNGSTEN CARBIDE INSERT
Joseph S. Horvath, Bridgeport, Conn., assignor to The Plastic Mold Die & Tool, Inc., Bridgeport, Conn., a corporation of Connecticut
Application August 19, 1947, Serial No. 769,338
4 Claims. (Cl. 18—47)



3. A wear-resistant mold comprising a body formed of hardened steel, the hardness of which is impaired by temperatures required to solder it, said body having a cavity and having a gate connected with the cavity; and an insert in said body, said insert comprising a block of hardened steel, the hardness of which is not impaired by temperatures required to solder it, and said insert further comprising a wear-resistant member of tungsten carbide soldered to said block, said member constituting part of the wall of said gate at a constricted portion of the gate and being subjected to the flow of molding material from the gate to the cavity, and said block being removably secured to said body.

2,495,065
VISE SUPPORT HAVING UNIVERSAL JOINT LOCKED BY PAIR OF NUT-ACTUATED WEDGES
Samuel P. Hull, Wilton, Conn.
Application November 19, 1947, Serial No. 786,899
3 Claims. (Cl. 81—41)

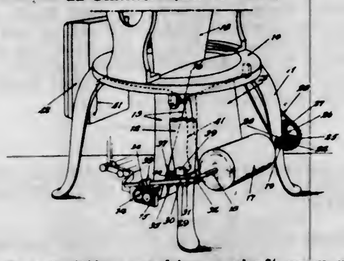


1. A support for a vise having a base, which support comprises in combination a supporting plate including a curved portion having a slot therein along the curvature thereof, a securing plate at the concaved side of the curved portion of the supporting plate, means extending through the slot in the supporting plate and between the base of the vise and the supporting plate and loosely securing the base of the vise to the supporting plate, a pair of wedge-shaped elements positioned to engage between the base of the vise and the supporting plate, and means for actuating the wedge-shaped elements to fixedly secure the base of the vise to the curved portion of the supporting plate in any adjusted position thereon.

2,495,066
DUSTING AND POLISHING PAPER
Hilton I. Jones, Wilmette, Ill., assignor to The Munising Paper Company, Munising, Mich., a corporation of Ohio
No Drawing. Application December 12, 1945, Serial No. 634,616
17 Claims. (Cl. 15—208)

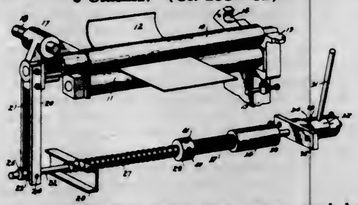
1. A combined dusting and polishing paper comprising a substantially size- and filler-free absorbent paper sheet characterized by high wet and dry strength and high oil and water absorbency and having substantially uniformly distributed therein a mineral oil; a flexibilizing agent consisting of a polyhydric alcohol; and minor amounts of a long chain fatty acid partial ester of a hexitol anhydride, a polyoxyalkylene derivative of a long chain fatty acid partial ester of a hexitol anhydride, and a polyoxyalkylene derivative of a long chain fatty acid monoester of a glycol, said fatty acids having at least 6 carbon atoms, said paper sheet being soft and cloth-like, substantially dry to the touch, and capable of further impregnation.

2,495,067
STOP MOTION FOR KNITTING MACHINES
Robert H. Lawson, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application May 1, 1947, Serial No. 745,170
11 Claims. (Cl. 66—167)



1. In a knitting machine, a shaft upon which the knitted fabric is rolled up, and a pivoted lever for stopping the machine supporting one end of the shaft, said lever being responsive solely to the weight of the knitted fabric on said shaft regardless of the size of the roll.

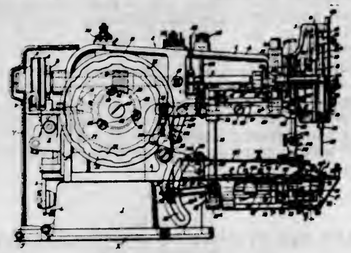
2,495,068
COUNTERBALANCE FOR SLIP ROLL FORMERS
William E. Lundgren, Sharon, Mass., assignor to The Peck, Stow & Wilcox Company, Southington, Conn., a corporation of Connecticut
Application February 10, 1945, Serial No. 577,324
6 Claims. (Cl. 153—61)



1. In combination with the upper and lower longitudinally extending rolls of a slip roll former or the like, means for mounting the upper roll to be movable away from the lower roll, lifter means including a lifter element connected with said upper roll to move the same, and a longitudinally extending lifter rod beneath said rolls and connected with said lifter element, a longitudinally extending counterbalance spring beneath said rolls and abutting a part of said lifter means and tending to move said rod in a manner to actuate said lifter element to separate said rolls, and operator-controlled means for controlling the movement of said rod whereby said spring and a substantial part of said lifter means may be located out of the working area around said rolls so that full attention may safely be focused primarily on operation of said rolls.

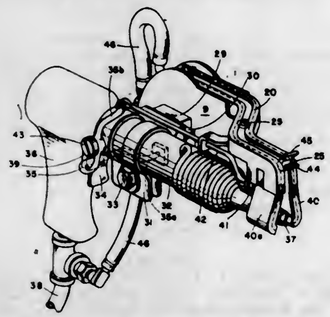
2,495,069
ARTICLE ATTACHING MACHINE
Michael McCann, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 12, 1946, Serial No. 715,685
24 Claims. (Cl. 112—111)

1. An article attaching machine having, in combination, a frame including a bed and a bracket-arm; a work-holder carried by said bed; a needle-bar mounted for reciprocatory and vibratory movements in said bracket-arm; means for reciprocating said needle-bar; a thread-carrying needle carried by said needle-bar; a loop-taker mounted in said bed and having a loop-seizing beak movable in a plane transversely of said work-holder for taking thread loops from the



needle in the formation of stitches; and means comprising a rotary cam and operative connections between the cam and the needle-bar and loop-taker, operating during each of a plurality of successive reciprocations of the needle-bar in the formation of a group of stitches for bodily shifting said needle-bar, needle and loop-taker synchronously relative to said frame and work-holder in substantially said plane.

2,495,070
FASTENER HANDLING DEVICE
Charles J. Mellodge, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application February 27, 1945, Serial No. 580,038
6 Claims. (Cl. 78—48)



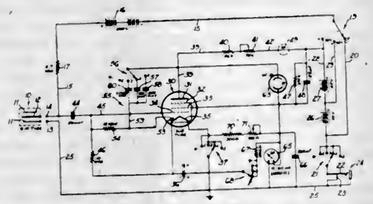
1. In combination with an air pressure actuated rivet gun having a barrel, a rivet hammer, and a trigger control means, a rivet positioning means slidably mounted on a bracket fixed to the gun, said rivet positioning means comprising a circular rivet reservoir having a rivet propelling air inlet port and an outlet port and a slotted rivet guide track overhanging said outlet port, said inlet port and said outlet port arranged so that inlet air propels the rivets around the circular wall of the reservoir in a path traversing the outlet port, an abutment having a circular contour projecting laterally of the reservoir into said rivet path adjacent the outlet port to cause expulsion of rivet's shank first into the outlet port and thence shank first into the rivet guide track, said

track being adapted to receive and convey a rivet expelled from the reservoir to a position in alignment with the rivet hammer, and a manually operable control means operable about a pivot carried by the gun and movable to sequentially engage the rivet positioning means and the trigger to effect retractive movement of said reservoir and track in conjunction with operation of the rivet h- -mer.

2,495,071
PRODUCTION OF GLYCERIN AND DISTILLED FATTY ACIDS
Victor Mills, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application August 22, 1945, Serial No. 612,461
9 Claims. (Cl. 260—415)

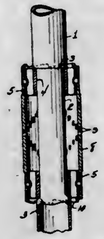
1. In the processing of glyceride fats to produce distilled fatty acids and an aqueous solution of glycerin, wherein water and fat are subjected to countercurrent hydrolysis at effectively high temperature and high pressure in the presence of a water-insoluble metal soap catalyst, and wherein dissolved water is removed from the resulting hot fatty acids by vaporization, the steps which comprise subjecting the resulting dried and hot fatty acids containing said metal soap catalyst promptly and without intermediate cooling to vacuum distillation with the aid of further heat, collecting a relatively concentrated undistilled residue, amounting to but a minor fraction of the net amount of the feed to the still, and returning a substantial proportion of said residue, together with the metal soap catalyst contained therein, to the stream of fat entering the hydrolysis reaction.

2,495,072
VACUUM TUBE CIRCUIT
Everett W. Molloy, Pasadena, Calif., assignor to National Technical Laboratories, South Pasadena, Calif., a corporation of California
Application January 3, 1949, Serial No. 68,835
22 Claims. (Cl. 250—83.6)



8. In a circuit responsive to negative pulses, the combination of: a return conductor; an electron tube providing an amplifying section and a diode section, said amplifying section including a plate, a cathode, and a control grid for controlling electron flow from said cathode to said plate, said diode section including a diode plate receiving electrons from said cathode; means connected to said return conductor for heating said cathode; an input circuit for delivering negative pulses to said grid, each pulse swinging said grid negative toward cut-off, said input circuit including a grid resistor connected between said grid and said cathode to apply a zero-signal potential to said grid; a plate-energizing circuit interconnecting said plate and said return conductor and including a source of potential and a plate resistor for applying to said plate a potential less than said source by an amount corresponding to the voltage drop through said plate resistor, whereby the potential of said plate rises toward the potential of said source when said grid is swung from zero-signal potential toward cut-off; a pulse-isolating resistor connected between said diode plate and said grid; a condenser means connected between said plate of said amplifier section and said diode plate, said condenser being charged by said rise in plate potential and discharging through said pulse-isolating resistor upon subsequent decrease in plate potential to maintain said grid below zero-signal potential for a time interval greater than the length of any of said negative pulses, thereby producing an undulation in plate potential with the receipt of each negative pulse and of a time length longer than such negative pulse; a gaseous discharge tube; a meter means; and means for connecting said gaseous discharge tube and said meter means in series relationship between said plate of said amplifying section and said return conductor, the break-down and extinction potentials of said gaseous discharge tube being within the range of excursions of the potential of the plate of said amplifying section.

2,495,073
WELL DRILLING GUIDE TOOL
William P. Morris, Lovington, N. Mex.
Substituted for application Serial No. 455,767, August 22, 1942. This application September 15, 1947, Serial No. 774,027
1 Claim. (Cl. 255—28)



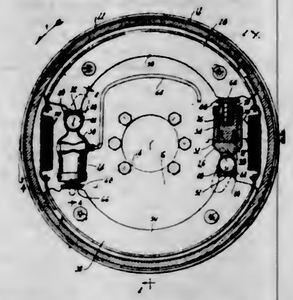
In a well drill guide, the combination which comprises a drill stem having sections of reduced diameter at spaced points in the length thereof providing comparatively short sections of reduced diameter therein with shoulders at the ends of said section, perforated guide and bearing sleeves having rings at the ends the peripheral surfaces of which are of less diameter than the peripheral surfaces of the sleeves and said rings having teeth at the outer ends thereof, said sleeves positioned around the said drill stem at points corresponding with the sections of reduced diameter, substantially semi-circular segments providing mounting elements in the ends of the sleeves including inner and outer walls connected by webs providing longitudinally disposed passages through the segments, and means connecting the said segments to the ends of the sleeves with the ends of the segments positioned against the shoulders at the ends of the sections of reduced diameter of the drill stem, whereby guides and supporting means are provided at spaced points along the said drill stem.

2,495,074

FLUID PRESSURE BRAKE MOUNTING

Joseph L. Mosney, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 25, 1947, Serial No. 782,178
14 Claims. (Cl. 188—152)



1. A brake, for use in cooperation with a rotatable drum, comprising a supporting plate having a substantially flat center portion adapted to be secured to a non-rotating member and an integral axially offset outer portion adapted to serve as a closure for the open side of the drum, said outer portion having at each of two substantially diametrically opposed locations two angularly-spaced openings, one of which is provided to accommodate a fastening member, and the other of which is provided to accommodate an actuator boss, two hydraulic actuators located at opposite sides of the brake and each comprising a casing closed at one end and having a cylindrical bore at its open end which is on an axis lying in the plane of the center portion of the supporting plate, the closed end of each actuator having an integral mounting flange which extends substantially axially with respect to the bore of the actuator and substantially tangentially with respect to the brake as a whole and which lies against the outer portion of the supporting plate, two axially extending fastening members, one extending through the flange of each of the actuators and through the corresponding opening in the outer portion of the supporting plate, the outer edge of the flange of each actuator providing a substantially radially extending shoe-anchoring surface, each actuator having a laterally extending boss which extends through the corresponding opening in the outer portion of the supporting plate, a single piston reciprocable in the cylindrical bore of each actuator, two T-section shoes each having a strengthening web which lies in the plane of the center portion of the supporting plate, each of said shoe webs having convexly curved end surfaces, one of which engages the shoe-anchoring surface provided by the flange of one of the actuators and the other of which engages the piston in the other actuator, and return springs which urge the shoes toward retracted position.

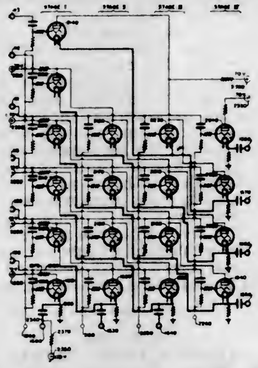
2,495,075

SWITCHING DEVICE

Robert E. Mumma, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application December 27, 1943, Serial No. 515,718. Divided and this application July 19, 1947, Serial No. 762,040
18 Claims. (Cl. 315—317)

1. In a selective switching device, the combination of a plurality of electron tubes, each tube having at least an anode, a cathode, and means to control conduction therein; a plurality of input conductors on which input signals may be impressed; means coupling the input conductors to the control means of the tubes to form a plurality of input row groups of said tubes, each row group containing one or more tubes; a plurality of switching control circuits connecting the tubes of the row groups into control column groups of one or more tubes, any column group having no more than one tube of any row group, said control circuits being connected to the control means of the tubes of their related column groups and supplying the control means normally with a bias potential which will prevent the input signals from causing conduction in the tubes, which potential can be modified selectively in any of the control circuits to relieve the bias and prime



the tubes of the selected column group to respond to input signals; and further means connecting the tubes of the input row groups and control column groups into parallel groups diagonal to the input row groups and to the control column groups, said further means including a separate anode-cathode potential supply circuit for the tubes of each diagonal group, an output conductor for each diagonal group and couplings between the tubes of a diagonal group and the output conductor to cause an output signal on the output conductor whenever a tube in its related diagonal group conducts; said input conductors and their coupling to the tubes and said switching control circuits cooperating to control the conduction in the tubes to enable input signals on any predetermined set of input conductors to cause output signals to occur selectively on different sets of diagonal group output conductors.

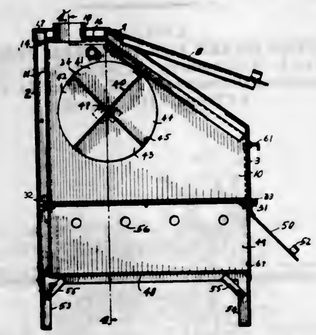
2,495,076

INCINERATOR

Howard V. Patterson, Kansas City, Mo., assignor to Aeco Manufacturing Co., Kansas City, Mo., a corporation of Missouri

Application November 9, 1945, Serial No. 627,574
3 Claims. (Cl. 110—18)

1. An incinerator for disposing of trash and garbage comprising, a housing having a top, bottom, front, back and side walls, the lower portion of said housing forming an ash receptacle, a fire chamber in said housing having a top, back and side walls spaced from the walls of said housing, means for mounting the fire chamber in said housing, a horizontal grate carried by the front and back walls of said housing and forming a bottom for said fire chamber above said ash receptacle for burning of trash on said grate, said side walls having apertures therein below the grate for supplying air thereunder, a flue outlet in the top of said fire chamber and said housing, a horizontal axis garbage rack having a plurality of open radially arranged compartments adapted to receive garbage for drying, said rack being carried by the



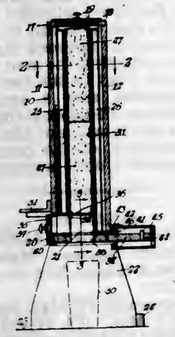
sides of the fire chamber and rotatably mounted thereon, said rack being located in said fire chamber whereby the products of combustion from said grate will flow directly around said rack to said flue outlet for drying garbage in said rack, a burner mounted in said fire chamber above said rack for supplying additional heat to the garbage in said rack, and a door hingedly connected to the top of the housing providing access to the rack and grate in said fire chamber.

2,495,077

APPARATUS FOR SERVING ICE CREAM

Harry W. Protseller, Fairmont, Minn., assignor of one-half to Arthur Wm. Nelson, Park Ridge, Ill.

Application August 10, 1944, Serial No. 548,921
3 Claims. (Cl. 107—8)



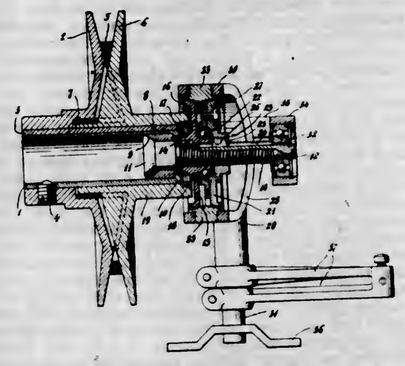
1. Ice cream serving apparatus embodying therein an upright casing having front and rear walls and side walls, means spaced inwardly from each front and rear wall and providing refrigeration in said casing, tubes disposed between said refrigerating means each to receive a bar of relatively solid ice cream for gravitational movement therein toward the bottom thereof, devices on said first mentioned means holding said tubes in lateral spaced relation, with air circulating channels therebetween that open at the top into the top of the casing, mechanism each associated with a tube and mounted on the casing for a forward and rearward movement thereon, said mechanism in its movement in one direction operating to sever a portion of the bar at the bottom of the associated tube and to discharge it from said apparatus.

2,495,078

VARIABLE DIAMETER PULLEY

William M. Schweickart, Mentor, Ohio

Application January 3, 1947, Serial No. 720,112
5 Claims. (Cl. 74—230.17)



1. In a device for controlling the diameter of an adjustable pitch pulley, the combination with a pair of relatively movable disks and a threaded shaft engageable with one of said disks, of a clutch on said threaded shaft comprised of a plurality of axially connected and independent rotatable plates, one of said plates threaded on said threaded shaft and engaging one of said pulley disks, another of said plates secured to said shaft and slidable thereon and means for restraining the rotation of either of said plates to induce relative motion between said threaded plate and threaded stud.

2,495,079

GAME BALL

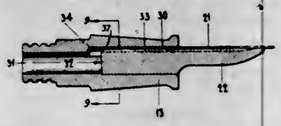
William A. Sonnett and William J. Sonnett, Ada, Ohio

Application August 1, 1947, Serial No. 765,426
8 Claims. (Cl. 273—65)



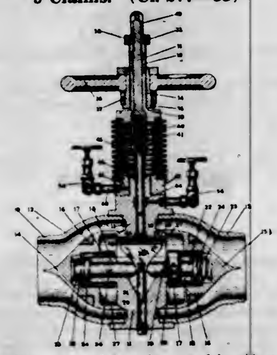
1. A game ball having an inflatable, molded carcass, a connected series of spaced double grooves formed in the outer surface of the carcass, and a casing for said carcass comprising a number of independent, spaced apart sections secured to the carcass and each having a downturned marginal edge snugly positioned in adjacent, connected grooves.

2,495,080
FEEDING MECHANISM FOR FOUNTAIN PENS
Max H. Storch, Belle Harbor, N. Y.
Application December 26, 1946, Serial No. 718,483
1 Claim. (Cl. 120—52)



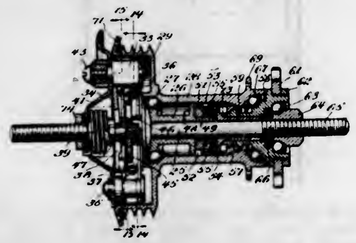
In an ink feeding mechanism for a fountain pen, comprising an elongated ink feeding member having longitudinally extending ink flow channels, a section member having an internal shoulder stop for receiving an end face of said ink feeding member in abutting relation, said shoulder providing a sealing seat extending substantially around the circumference of said feed member for preventing leakage of ink between said members, a portion of said shoulder being undercut, said undercut extending below said shoulder to provide an ink supply pocket communicating with an extension pocket above said ink flow channels, said extension pocket serving to augment the ink flow to said ink flow channels, said members having key and keyway means for alining said ink flow channels with said undercut, a detachable pen point covering the major portion of said ink feeding member, the lower face of said pen point bridging said undercut and being positioned in spaced-apart relation from said seat to uncover end portions of said ink flow channels and to provide entrance to said channels from a lengthwise portion thereof, the frictionally engaging circumferential surfaces between said pen point and said feed section member being defined by the cross-sectional extent of said pen point thereby providing circular clearances on opposite sides of said pen point whereby a controlled ink flow is provided to said pen point through said ink supply pocket and through said undercut portion of said seat, while said circular clearances permit free air flow into said pen as the ink is used up.

2,495,081
PACKLESS VALVE
Jesse B. Thomas, Jackson Heights, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application February 19, 1944, Serial No. 523,142
5 Claims. (Cl. 277—33)



1. A valve comprising in combination a casing having a passage therethrough, a pair of valve heads engageable with said casing to close said passage, said heads and said casing forming a closed chamber in valve closed position, a valve stem through said casing operable to engage said heads with said casing, means forming a closed chamber about said stem exteriorly of said casing, means for conveying a sealing fluid selectively to said closed chambers, and indicating means for indicating the pressure in said conveying means and the selected chamber.

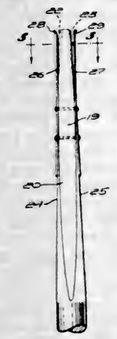
2,495,082
COASTER BRAKE FOR WHEELED VEHICLES
Fred L. Weinheimer, Sr., South River, N. J.
Application December 9, 1947, Serial No. 790,504
4 Claims. (Cl. 192—6)



1. A coaster brake comprising a central spindle shaft, a sleeve rotatable upon the shaft, a casing extended about the sleeve and having an enlargement with an internal brake drum surface, a member adapted to be extended over the open end of the enlargement and to be anchored to a vehicle, brake elements adapted to be separated from one another to have frictional engagement with the brake drum surface, operating means connected between the brake elements and the sleeve so that upon rotation of the sleeve upon the shaft and within the casing, the brake elements can be operated, said operating means comprising a cam pivoted upon the member adapted to be fixed to the vehicle, an arm extending from the cam, a link connecting the end of the arm to the sleeve whereby upon operation of the sleeve the cam arm will be operated, a return spring extending between the fixed member and the parts connecting the arm with the sleeve, a clutch member fixed to the sleeve, a cooperating clutch member and a sprocket member adapted to operate the cooperating clutch member to effect in one rotation of the sprocket member the advancement of the cooperating clutch member toward the clutch member on the sleeve.

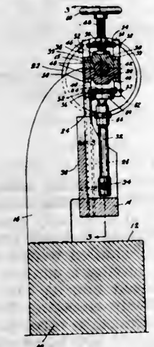
2,495,083
VISE FOR TYING LEADER ENDS
Herbert L. Welch, Oqussoc, Maine, assignor to Ashaway Line & Twine Mfg. Co., a corporation of Rhode Island
Application September 19, 1947, Serial No. 775,007
1 Claim. (Cl. 24—81)

A vise for tying leaders and the like, comprising a rod member having its lower end adapted to be secured to a support, said member having an upper tip end of square cross-section and tapering towards the upper end, and spring fingers mounted on opposite sides of the tip end for releasably gripping leader lines between the spring fingers and the contiguous tip end sides, said spring fingers having their upper ends bent outwardly, the sides of the tip ends contiguous



the spring fingers each having a longitudinal downwardly tapered V-shaped groove.

2,495,084
VARIABLE STROKE PRESS
George W. Wells, Amesbury, Mass.; Boston Safe Deposit and Trust Company executor of said George W. Wells, deceased
Application August 1, 1944, Serial No. 547,601
4 Claims. (Cl. 74—586)

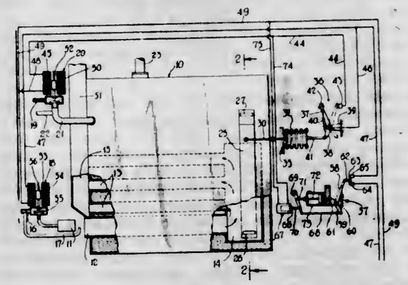


1. In a press, a reciprocable head, and means for reciprocating the head comprising a crank and a connecting rod extending between the crank pin and said head, means for adjusting the length of the connecting rod while the crank pin is at rest in one on-center position, thereby to fix one limit of stroke of the head, and means at the connection of the connecting rod to the crank pin for varying the length of stroke of the head by adjusting only the other limit of the stroke.

2,495,085
PREPARATION OF SULFENAMIDES
Glen Alliger, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application September 7, 1946, Serial No. 695,545
11 Claims. (Cl. 260—306.6)

1. The process of producing an N-mono substituted sulfenamide which comprises reacting a hypohalite of the class consisting of the alkali metal and alkaline earth metal hypohalites with a primary amine to produce an N-monochloro primary amine and mixing the resultant reaction mixture and a mercaptide of the class consisting of the alkali metal and alkaline earth metal mercaptides, using a minimal amount of water so that during the reaction with the mercaptide there is only a minimal quantity of the N-monochloro primary amine in aqueous solution, maintaining a temperature of not over about 10° C. throughout substantially the whole of both steps, and utilizing substantially equimolecular proportions of the reactants but with an excess of the primary amine to prevent formation of N-dichloro primary amine.

2,495,086
WATER-LEVEL CONTROL
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 24, 1944, Serial No. 551,032
5 Claims. (Cl. 122—451.1)

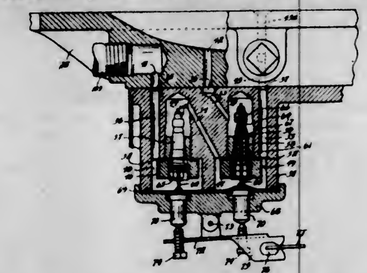


1. In an atmospheric steam boiler, a casing forming a water space and a steam space, a plurality of fire tubes extending through said casing, means for heating said fire tubes, a combustion chamber located at one end of said fire tubes, a water level control, said water level control comprising a well the external surface of which is in open communication with said water and steam spaces, a thermal element in said well, a heat transfer member extending from said thermal element into said combustion chamber for transferring heat from said combustion chamber to said thermal element, and operating mechanism associated with said thermal element for supplying water to said boiler upon a predetermined rise in temperature of said thermal element.

2,495,087
CONTROL DEVICE
George H. Berkholder, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 22, 1943, Serial No. 511,285
6 Claims. (Cl. 121—46.5)

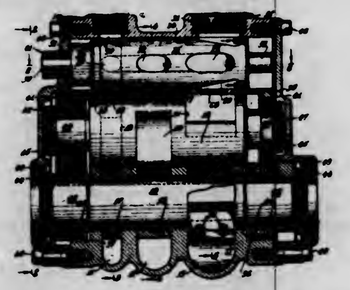
1. In a pilot valve, a body having a pair of open end valve receiving recesses in spaced parallel relation formed therein, each recess comprising a pair of concentric bores with the bore of smaller diameter extending into said body a greater distance than the bore of larger diameter, an insert removably positioned in the intermediate portion of each recess, a valve unit removably positioned in each insert and biased in the direction of flow and toward closed position, each

of said valve units having an operating stem extending toward the open end of the recess in which it is positioned, an inlet and an outlet passage extending into each of said recesses and being disposed to direct flow to urge each valve toward closed position, a straight diagonally disposed passage connecting the inlet of one valve with the outlet of the other valve, a cover having a pair of tappet receiving apertures adapted to register with said recesses formed therein, a tappet slidably positioned in each of said apertures, said cover being detachably secured to said recessed body and being removable to provide



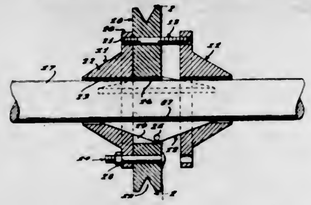
access for replacement of said valve units, an operating member rockably secured to said cover, means for overcoming said flow urge and said biasing means to normally maintain one of said valves in open position, a pair of adjustment members extending through said operating member and having one end thereof in adjusted engagement with the end of an associated tappet, abutment means for limiting closing movement of said tappets and permitting further movement of said operating member, and means interposed between said cover and said body for sealing the open end of said recesses.

2,495,088
REVERSING FLUID MOTOR OF ROTARY ABUTMENT TYPE
Frank Berry, Corinth, Miss.
Application July 24, 1946, Serial No. 686,005
4 Claims. (Cl. 121—72)



1. A rotary-piston motor comprising annular cylinders arranged about a common shaft in axial alignment, a piston in each cylinder fixed for rotation with the shaft, an abutment rotor parallel to the shaft having recesses to clear the pistons as they pass the abutment rotor, a pair of opposed passages communicating with each cylinder at opposite sides of the abutment, each of said opposed passages serving either as an inlet or outlet passage in accordance with the selected direction of rotation of the shaft and pistons, a rotary valve element formed with a passageway extending diagonally thereacross and arranged to conconnect an outlet passage of one cylinder to an inlet passage of an adjacent cylinder for either direction of rotation of the shaft and pistons so that, characterizing the opposed passages of each cylinder as "left" and "right", the rotary valve element is settable to a position wherein the diagonal passageway connects the left passage of one cylinder to the right passage of the adjacent cylinder, and is also settable to a position wherein the diagonal passageway connects the right passage of said one cylinder to the left passage of said adjacent cylinder, the rotary valve element having another passageway extending thereacross to connect selectively the right and left passages of said one cylinder to an inlet duct according to the respective described settings of the rotary valve element, and having a small opening between said other passageway and the diagonal passageway to provide direct communication therebetween.

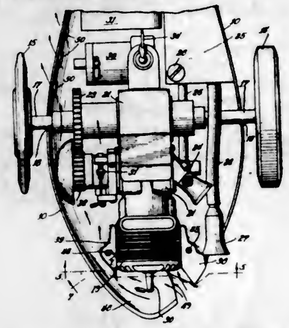
2,495,089
ADJUSTABLE BELT PULLEY ASSEMBLY
Gustave H. Bogenhagen, Cheyenne Wells, Colo.
Application June 4, 1948, Serial No. 31,068
3 Claims. (Cl. 287—52.06)



3. An adjustable belt pulley assembly comprising a disc shaped pulley having a central shaft receiving aperture and angularly spaced wedge receiving slots extending radially from said aperture, a triangularly shaped wedge in each slot, a pair of hubs each having a central, shaft receiving opening, disposed one at each side of said pulley and operatively engaging the corresponding ends of said wedges to force said wedges inwardly of said central apertures when said hubs are drawn together, and means extending between said hubs operative to adjustably draw them together.

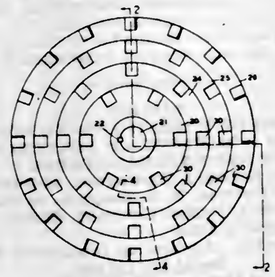
2,495,090
AIR COOLING SYSTEM FOR AUTOMOTIVE VEHICLES
Warren A. Borden, Zion, Ill.
Application February 20, 1948, Serial No. 9,888
4 Claims. (Cl. 180—54)

1. An automotive vehicle comprising lower and upper dished sections constituting a streamlined body affording a power plant compartment, an internal combustion engine disposed in said compartment, said engine being secured to one of said sections and including a cylinder head disposed in opposition to and in spaced relation with the nose portions of said sections, the cylinder head and the nose portions of said sections defining a chamber from which rearward movement of air past one side of the cylinder is substantially prevented and from which rearward movement of air past the other side of the cylinder is freely permitted, the nose portion of the body being provided with an opening through which air may enter said chamber to impinge upon the cylinder head in an area adjacent that side of the cylinder past which rearward movement of air is substantially prevented, the streamlined body being provided in its rearwardly tapering portion with an outlet opening through which outward flow of air is induced by the region of low pressure air existing at and exteriorly



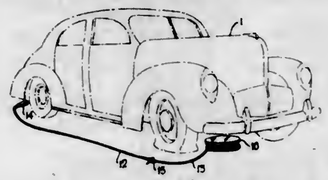
of such outlet opening when the vehicle is traveling rapidly forwardly, the upper section of the body being provided with an opening through which the engine exhausts its products of combustion with ejector effect, and the upper body section and the upper portion of the engine cylinder defining an avenue through which air may flow rearwardly from the chamber and over the top of the cylinder to escape from the body via the opening through which the engine exhausts its products of combustion.

2,495,091
ADJUSTABLE CUTTER
Robert J. Bradley, Cleveland, Ohio, assignor of one-half to Edmund R. Mecklenburg, Cleveland, Ohio
Application June 8, 1946, Serial No. 675,385
6 Claims. (Cl. 29—105)



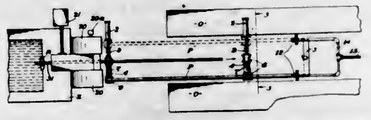
1. In apparatus of the type described wherein relative rotary cutting movement is produced between a cutting tool and a work piece, adjustable tool holding means comprising a hub, an inner ring concentric with the center of relative rotary movement and telescopingly carried on said hub, and a second ring concentric with and telescopingly carried upon said inner ring, said inner ring and said second ring having upon their respective exterior peripheral surfaces, means for retaining a cutting tool thereon.

2,495,092
PNEUMATIC JACK INFLATABLE BY EXHAUST OF AUTOMOBILES
John H. Cox, Seville, and Ralph L. Miller, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 28, 1945, Serial No. 637,520
1 Claim. (Cl. 254—93)



In a lifting jack, the combination of an inflatable member, a connection adapted to fit onto a motor vehicle tail pipe in fluid tight relation therewith, and fluid communication means between said inflatable member and said connection, said tail pipe connection being funnel shape and having at least one inner and one outer ply, said inner and outer plies being separated intermediate their ends defining a compartment therebetween, said compartment having communication with the inside of said connection by means of holes through its inner wall.

2,495,093
CONVEYER FOR REMOVING PIPE FROM GALVANIZING BATHS
Meril L. Eckman, Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application July 9, 1946, Serial No. 682,269
5 Claims. (Cl. 91—59.4)

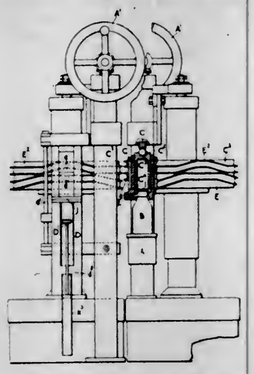


1. A conveyor for elongated articles comprising rollers spaced apart a distance less than the length of the said articles and disposed with axes substantially parallel to each other, means for moving an elongated article in supporting contact with said rollers in a direction perpendicular to said roller axes, means for moving said rollers longitudinally along their axes, and means including a switch located beyond the rollers in the direction of movement of an article on the rollers and engageable by the leading end of an elongated article on said rollers for actuating said roller moving means.

2,495,094
MACHINE FOR CAPPING MILK AND OTHER BOTTLES AND SIMILAR CONTAINERS
Arthur Guy Enock, Thame, England
Application May 14, 1946, Serial No. 669,715
In Great Britain May 20, 1945
6 Claims. (Cl. 226—83)

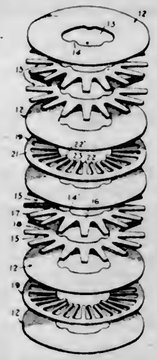
1. A capping machine for capping milk or other bottles comprising pedestals for supporting the bottles, a capping head for applying a cap to the bottle, a magazine for storing the caps, a vertical slide, rollers on the slide and cam tracks mounted on the capping head in which the rollers engage

a suction head actuated by the slide, a vacuum cylinder and piston valve by which the suction head is operated a plate controlled by the slide to move over the mouth of the magazine as the



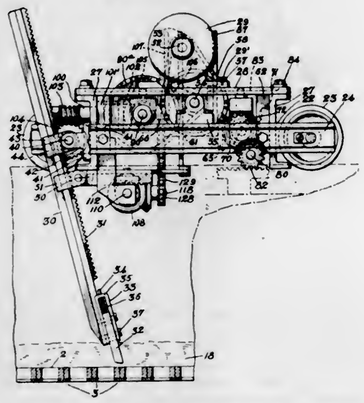
suction head rises to receive the cap when the vacuum is broken and a compressed air jet to transfer the cap from the plate to the capping position.

2,495,095
STACKED DISK FILTER
Walter J. Ewbank, Bethesda, Md., assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md., a corporation of Maryland
Application April 3, 1945, Serial No. 586,371
3 Claims. (Cl. 210—169)



1. A filter cartridge comprising a series of centrally apertured discs stacked to form a tubular cartridge with a central bore, certain of the discs being of a first type constituting filter discs, other of the discs being of a second type positioned adjacent one side of each filter disc, channels in the discs of the second type communicating with the bore of the cartridge, and other of the discs being of a third type positioned adjacent each filter disc on the side of the filter disc opposite the disc of the second type, said disc of the third type consisting of a single annulus surrounding the central bore of the cartridge having webs tapered outwardly in width extending generally radially outwardly from the annulus of the discs of the third type to the outer periphery of the cartridge whereby the mass of the discs is concentrated near the center of the cartridge to reduce the longitudinal shrinkage of the cartridge during its use.

2,495,096
MALTING PLOW MACHINE
David Grimaldi, Crystal Lake, N. J.
Application December 14, 1946, Serial No. 716,383
6 Claims. (Cl. 198—224)



1. A plow machine for use in plowing malting beds in the Saladin system of malting, comprising a car, a plurality of laterally spaced vertical lifts, each pivotally supported by two independent vertically spaced supports carried by said car through two independent connecting means each slidably mounted on said lift at vertically spaced positions thereon, one of said supports consisting of a transverse rotatable shaft and the other said support consisting of a longitudinally movable rack member, each said lift having a rack extending lengthwise thereof, a transverse plow secured to said lifts, drive means respectively mounted on said shaft support engaging the racks of said lifts, respectively, drive means, including clutch and reverse means for selectively driving said shaft and drive means for selectively moving said rack member support longitudinally.

2,495,097
METHOD OF MAKING SPONGE RUBBER FROM A MIXTURE OF POLYCHLOROPRENE AND NATURAL RUBBER
Harold W. Greenup, Barrington, and Wilbur F. Jordan, Tiverton, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application January 12, 1946, Serial No. 641,006
4 Claims. (Cl. 260—2.5)

1. The method of producing sponge which comprises mixing with a latex the rubber-like content of which includes nothing but natural rubber and rubber-like polymerized chloroprene and is at least 90 per cent by weight polymerized chloroprene, all of the vulcanizing reagents essential to vulcanization except zinc oxide and including sulfur sufficient to vulcanize the natural rubber present and an accelerator of the class consisting of the following aldehyde-amine condensation products: butyraldehyde - aniline, butyraldehyde-monobutylamine, triethyl trimethylene triamine, heptaldehyde-aniline, and alpha-ethyl, beta-propyl acrolein-aniline; allowing the compounded latex to age at about 80° F. for 24 to 48 hours, then cooling to essentially 50° F. until ready for use and at that time adding the zinc oxide, foaming, thereafter adding a gelling agent to the foam, and thereafter curing.

2,495,098
FLASHER TYPE TRAFFIC SIGNAL
Daniel D. Grissinger, Wellington, Ohio, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 27, 1948, Serial No. 11,642
11 Claims. (Cl. 177—329)

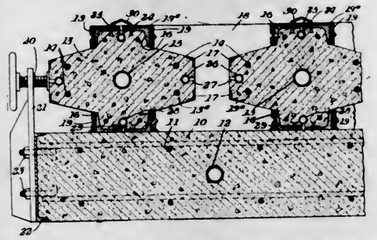


7. A flashing traffic signal comprising a housing having an end opening and a tubular body with a window intermediate its ends, and a flasher mounted in said housing, said flasher comprising a frame supported in a fixed position within said housing with an end portion adjacent said opening, a hollow cylinder rotatably mounted in said frame, a cylinder driving motor carried by said frame and an illuminating unit carried by said frame, said flasher including said frame, said cylinder, said motor and said illuminating unit being removable bodily through said end opening of the housing, said cylinder having an open end alined with and facing the end opening of said housing and a window adapted to move across the housing window during each revolution of the cylinder, said illuminating unit comprising a supporting member detachably connected to said end portion of said frame and extending into the open end of said cylinder, and a lamp carried by said member and positioned within the cylinder, said illuminating unit including said supporting member and lamp being removable through said end opening of the housing independently of said frame, cylinder and motor.

2,495,099
CACAO BUTTER IN BUTYL RUBBER HEAVILY LOADED WITH BLACK
Staunton R. Harrison and Robert M. Hill, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application October 23, 1946, Serial No. 705,230
2 Claims. (Cl. 260—23.7)

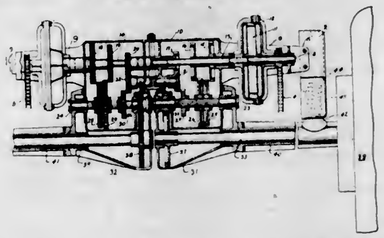
1. A cured high carbon, flexible, rubbery composition which contains 100 parts of the rubbery polymerization product of isobutene polymerized in the presence of 1 to 10 per cent of a diolefin by weight of the isobutene, 100 to 200 parts of reinforcing carbon black, and from 2 to 15 parts of cacao butter.

2,495,100
APPARATUS FOR MAKING PRECAST CONCRETE UNITS
Albert Henderson, Pittsburgh, Pa., assignor, by mesne assignments, to The Cemenstone Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1946, Serial No. 657,497
12 Claims. (Cl. 25—121)



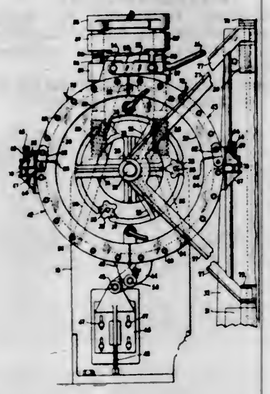
1. Apparatus for making cementitious structural units comprising a mold having spaced side walls and a bottom wall disposed therebetween, gaskets for sealing the joints between said spaced mold side walls and said bottom wall, each comprising a sheet metal strip secured to said bottom wall, the sheet metal strip projecting beyond the said mold bottom wall, the projecting portion of said sheet metal strip having a series of closely spaced slits therein, and a strip of resilient material secured to the top of said slit portion of said metal strip, said strip of resilient material pressing against a mold side wall.

2,495,101
MOTOR VEHICLE DRIVE
Carlton L. Hoff, York, Pa.
Application September 8, 1945, Serial No. 615,153
7 Claims. (Cl. 180—6.2)



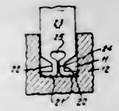
7. In a motor vehicle, the combination of a vehicle frame, an engine fixedly mounted on the frame with its power shaft extending transversely thereof, two rear axles pivotally supported with respect to the frame with their axes in alignment but independently movable with respect to the frame, a traction wheel fixed on the outer end of each axle and driven thereby, transmission mechanism mounted on said frame for independently driving said axles at different selected speeds, and a fluid drive mounted on the frame for driving each axle independently from the engine thru the transmission mechanism.

2,495,102
APPARATUS FOR MOLDING TIRE FLAPS
Howard W. Huff, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 15, 1946, Serial No. 662,227
3 Claims. (Cl. 18—38)



3. A molding device of the character described comprising, a mold formed with an endless radially outwardly facing circumferentially extending molding groove in the base thereof, said mold being circumferentially split thereby forming two endless laterally separable sections, rigid sectional means encircling the mold, two semicircular fluid expansible rubber-like curing bags attached to and projecting radially inwardly from said rigid means which expansible bags are adapted to enter said groove and when subjected to internal pressure and heat to assist in molding and vulcanizing an article in said molding groove, a hinge support for one of said mold sections, the other mold section having a fixed situs.

2,495,103
ANCHORING DEVICE
William Huppert, New York, N. Y.
Application May 23, 1945, Serial No. 595,451
1 Claim. (Cl. 85—5)



An anchoring device comprising a body having a shank portion, spaced-apart substantially parallel stem portions extending downwardly from the shank, said stems being adapted to be squeezed toward each other to grip an object therebetween when the device is anchored in place, and bendable prongs integral with and extending outwardly and downwardly from said stems, whereby on insertion of said device into anchoring position the prongs are laterally displaced and the stems are squeezed together.

2,495,104
ANCHORING DEVICE
William Huppert, New York, N. Y.
Original application May 23, 1945, Serial No. 595,451. Divided and this application June 16, 1949, Serial No. 99,453
2 Claims. (Cl. 85—5)



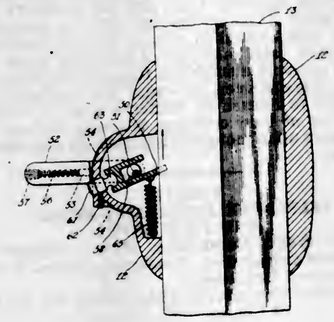
1. An anchoring device comprising a metallic shank having a pair of prongs projecting divergently outward from the central part of an end of the shank towards the sides of the shank with the ends of the prongs normally lying within the projection of said sides, said prongs each comprising a substantially straight portion forming an obtuse angle with the major axis of said shank, said device being adapted for insertion freely into a preformed cavity in the body in which it is to be anchored, the free ends of said prongs being beveled on their edges most remote from the shank to provide cutting points facing outwardly, said prongs being bendable outwardly away from each other into anchoring position at substantially a right angle to the major axis of the shank by sliding movement of the ends of the prongs on the bottom of the cavity upon application of pressure on the shank in the general direction of its major axis, each prong being of a length that when bent into anchoring position its end will portrude beyond the respective side of the shank to bite into a side wall of the cavity.

2,495,105
PRODUCTION OF DERIVATIVES OF OLEONITRILE HAVING SURFACE ACTIVE PROPERTIES
William Kaplan, Brooklyn, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 12, 1946, Serial No. 647,217
3 Claims. (Cl. 260—458)

3. A process of making surface active material, which comprises reacting oleonitrile with sulfuric acid of at least 75% concentration at a temperature below 40° C. in the presence of an oxygen-containing aliphatic solvent.

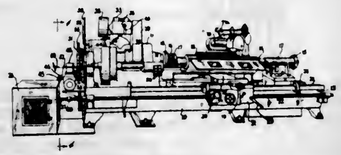
2,495,106
LOCKING BRACKET
William Kes, Bronx, N. Y., assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y., a corporation of Delaware
Application October 12, 1946, Serial No. 702,914
4 Claims. (Cl. 248—125)

1. In an X-ray apparatus, a locking device for selective movement of a holder for fluorescent screens and the like along a column comprising a housing slidably engaging said column, a member within said housing having one portion swivel joined to a mating member secured to said housing and having a jaw-like portion adapted to bear angularly against said column, said member also having a slotted portion, and a cam journalled in said housing and riding in said slotted portion whereby said cam may be selectively positioned first to cause said jaw-like portion to positively grasp said column in fixed position, second to cause said jaw-like portion to be free of the cam and thereby permit unidirectional motion of said housing along said column, and



third to cause said jaw-like portion to be lifted free of said column to permit bidirectional motion of said housing along said column.

2,495,107
ROLL GROOVING APPARATUS
Arthur C. Koenig, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 19, 1946, Serial No. 684,715
3 Claims. (Cl. 51—50)

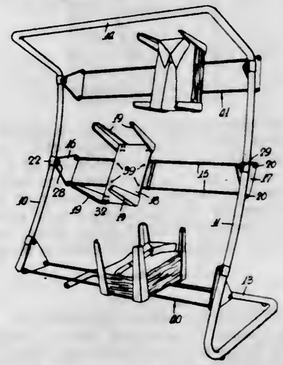


1. In apparatus of the class described, in combination, a support for a work piece, a tool-carrying carriage reciprocable parallel to the axis of said work piece, a grinding tool mounted on said carriage and disposed at an angle to the axis of the work, a lead screw for impelling said carriage, a reversible two-speed electric motor operating through a speed reducing device in driving association with the lead screw, a plurality of electrical switches in the electric circuit of the reversible motor, some of said switches being operable by contact with said carriage, one said switch being so positioned as to be operated by the carriage whereby it reverses said reversible motor and the direction of travel of the carriage by contact with said carriage immediately after a grinding tool on the carriage passes beyond the end of said work, another of said switches so disposed relative to travel of said carriage as to be operated and to stop movement of said carriage upon the beginning of its reversed direction of travel, manually operable means adapted to raise the grinding tool out of contact with said work, a manually operated switch adapted to start the said motor in its reversed direction, said motor operating more rapidly in its reversed direction than in its forward direction, whereby said carriage is reciprocated faster than it is advanced.

2,495,108
ARYL PHOSPHATES OF POLYVINYL ALCOHOL
Gennady M. Kosolapoff, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 18, 1948, Serial No. 15,733
11 Claims. (Cl. 260—80)

2. The aryl phosphate of polyvinyl alcohol.

2,495,109
ADJUSTABLE DISPLAY RACK
Ferdinand Kramer, Port Chester, N. Y.
Application June 14, 1945, Serial No. 599,454
6 Claims. (Cl. 211—128)

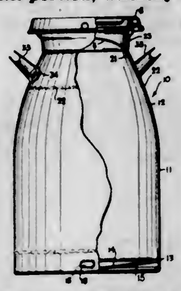


1. In an adjustable display rack, a pair of spaced uprights curving rearwardly upward along forwardly-concave arcs, a series of platforms extending between them at successive levels, each platform being provided at its ends with upstanding ears, means pivotally securing said ears to said uprights along an axis substantially offset from the plane of the platform, whereby each platform may be adjusted into different angularities to the horizontal, means for releasably locking each platform in selected angular position, whereby said platforms may be adjusted to lie along a common substantially cylindrical display surface, and a plurality of open merchandise-carrying bins detachably mounted in side-by-side relation on each platform.

2,495,110
CONTAINER FOR MILK AND THE LIKE
Max O. Kuhn, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 20, 1947, Serial No. 775,315
2 Claims. (Cl. 220—42)

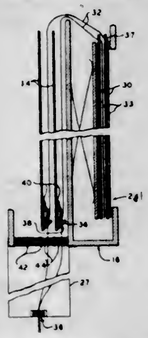
2. In a container of the character described, a frusto-conical neck portion leading upwardly into an enlarged dished portion which in turn leads into an outwardly offset cylindrical mouth portion, and a closure member provided with a similar mating frusto-conical portion adapted, when said closure member is fully seated, snugly to engage said neck portion, said frusto-conical portion of said closure member leading into an outwardly dished portion which in turn leads into an outwardly offset enlarged cylindrical portion adapted continuously to engage said mouth portion in sliding face contacting relation thereto during seating of said closure member and to retain a sliding face contacting seal therebetween

during non-engagement between said neck and said frusto-conical portion of said closure member until complete removal of said closure member from said mouth, the dished portion of said closure member being of shallower configuration than the correspondingly dished portion of said neck and mouth portion, whereby upon complete



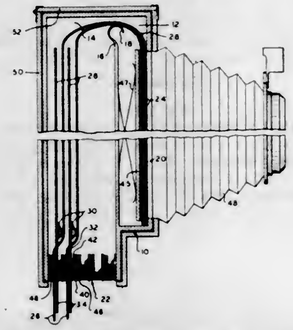
seating of said closure member, a major area of said dished portions are maintained in mutual spaced relation to insure retention of a snug fit between the lower surface areas of said mouth portion and corresponding portions of said closure member for the maintenance of sealing engagement therebetween during either complete or incomplete seating of said closure member.

2,495,111
PHOTOGRAPHIC PRODUCT
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application November 5, 1946, Serial No. 707,966
24 Claims. (Cl. 95—13)



13. A photographic product comprising a first film unit, a second film unit, each film unit including a layer, a predetermined area of which is photosensitive, a leader connected to said photosensitive layer, a second layer, and a container releasably holding a processing liquid, a magazine holding the photosensitive layers in superposed relation, means defining an exposure aperture in said magazine through which the foremost of said superposed photosensitive layers may be exposed, an opaque shield removably held in said magazine and normally covering said exposure aperture, and a plurality of members mounted in said magazine, a portion of said first film unit, including one of the leaders thereof, extending between a first pair of said members, a portion of the second film unit, including one of the leaders thereof, extending between a second pair of said members, said film units being so arranged with respect to said magazine and said members that the layers of each film unit can be withdrawn between that pair of members between which its leader extends with the container of that unit located to release its liquid between said layers, each said pair of members being operative to apply a sufficient force to the film unit drawn therebetween to cause the container of said unit to release its contents and to effect a spreading of said contents between surfaces of said layers upon movement of the film unit therebetween.

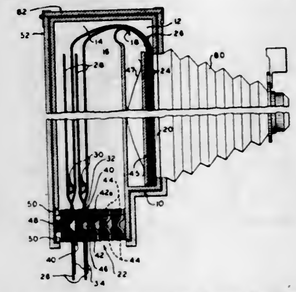
2,495,112
SELF-DEVELOPING MAGAZINE AND FILM UNIT
Otto E. Wolff, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application November 8, 1946, Serial No. 708,731
17 Claims. (Cl. 95—19)



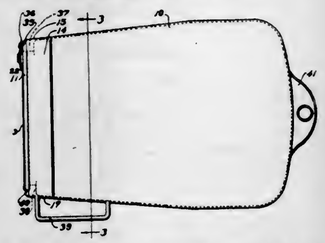
1. A composite photographic film assemblage comprising a layer of silver halide photosensitive material, an image-carrying layer, a leader portion of said photosensitive layer, a leader portion of said image-carrying layer, a container having therein a liquid composition associated with one of said layers, said liquid composition including a solvent for a developer capable of developing developable portions of said photosensitive material, said film assemblage including a developer and a silver halide solvent, and means for assuring a predetermined superposed registry between said layers when said photosensitive layer is moved with respect to said image-carrying layer by means of its associated leader, said container being in position between portions of said layers adjacent an edge of an exposed area of said photosensitive layer for release of its contents between said layers when said registry is obtained, said means comprising a connection between said first-named leader and said image-carrying layer permitting only a predetermined amount of motion of said first-named leader with respect to said image-carrying layer.

2,495,113
DEVELOPING MAGAZINE FOR CAMERAS
Millard T. Gannon, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application November 9, 1946, Serial No. 708,888
20 Claims. (Cl. 95—22)

1. A composite photographic product comprising at least one photographic film unit including a first layer including a predetermined area of photosensitive material, a second layer, a leader, and a container having therein a liquid composition capable of being released by the application of pressure to said container, said container, said leader and said layers being secured together to permit said layers to be superposed with said container positioned between said layers, a magazine for holding said film unit with said area in position to be exposed to actinic light, said magazine comprising processing means defining a withdrawal opening therefrom, said means comprising members having pressure-applying portions and other portions constituting trapping portions for trapping any of said liquid composition escaping from said film unit during the processing thereof, said trapping portions of said members being spaced farther apart than said pressure-applying portions to prevent application of liquid-releasing pressure to said container by said trapping portions, said leader extending through said opening.

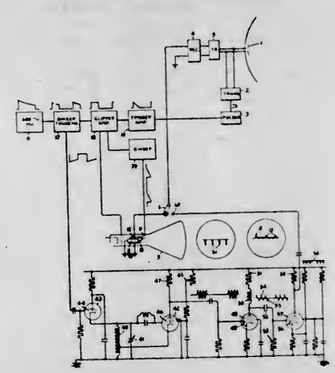


2,495,114
THERAPEUTIC BAG WITH SEALING CLOSURE
Charles W. Leguillon, Akron, and Carroll P. Krupp, Barberton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 12, 1946, Serial No. 683,124
5 Claims. (Cl. 150—2.1)



1. A container for flowable material, said container comprising a hollow body having impervious walls of flexible material including marginal portions defining an elongated opening in a wall of the container, and sealing slide fastener means secured to said marginal portions, said fastener means comprising a pair of sealing elements of elastic rubber-like material extending along said marginal portions and united therewith by flexible intervening portions of reduced wall thickness as compared to said elements and marginal portions throughout the major portion of the length of said opening and closed at the ends of said opening, at least one of said sealing elements including a portion projecting laterally of said opening toward the other element and tapering to an edge for contacting said other element in overlapping relation in the direction of said opening and in sliding engagement laterally of said opening with said elements in sealing relation by lip-action of said edge, said marginal portions being relatively thick as compared to other portions of said walls and constructed and arranged to provide with said sealing slide fastener means and said intervening portions a truss-like stiffening action along said opening for resisting sharp bending of said marginal portions while permitting widening of said opening by flexure of said marginal portions to facilitate filling and emptying the container.

2,495,115
KEYED OSCILLATOR CIRCUIT
Harry F. Mayer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1943, Serial No. 512,301
3 Claims. (Cl. 250—36)

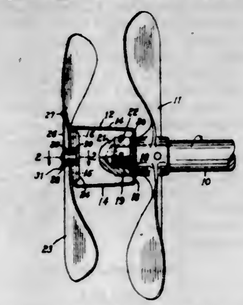


1. In combination, a resonant circuit including an inductance, a discharge device coupled to said circuit so as to sustain oscillations, another discharge device having at least a portion of said inductance in the cathode circuit thereof, said other discharge device normally presenting an impedance sufficient to provide rapid damping of said oscillations and carrying a unidirectional current sufficient to establish an energy level in said inductance equal to the peak energy level appearing therein resulting from said oscillations, and means for cyclically keying said other device off whereby oscillations start in said circuit at said peak energy level.

2,495,116
TROLLING ATTACHMENT FOR MOTORBOATS
Waite McClain, Canton, Ohio
Application June 5, 1946, Serial No. 674,505
7 Claims. (Cl. 170—135)

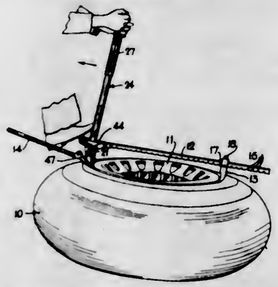
1. In combination with a propeller shaft and a propeller thereon, an attaching bracket fixed upon the end of said shaft and having an opening therein, guide flanges on the bracket on opposite sides of said opening, an auxiliary propeller of opposite pitch to said propeller having guide

grooves to receive said guide flanges and having a central opening therein, and a spring loaded



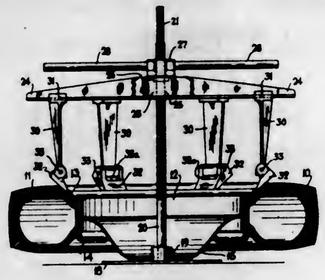
stud upon the auxiliary propeller for engagement in said openings.

2,495,117
FLUID PRESSURE ACTUATED TIRE BEAD BREAKING LEVER
William H. McCollister, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 15, 1945, Serial No. 628,871
1 Claim. (Cl. 157—1.17)



A tire dismounting tool of the class described comprising, an elongated bar having an anchor member slidably and adjustably mounted upon one end thereof, said anchor member being formed at its lower end with a recessed portion adapted to provide anchorage of the anchor member on the radially outer edge of a rim flange, the end of said bar opposite said anchor member being provided with bifurcated arms, a lever in the form of a hydraulic jack pivotally and detachably connected adjacent its lower end to said bifurcated arms, said hydraulic jack comprising a cylinder and a piston having a rod extending through the lower end of said cylinder, a tire bead engaging claw secured to the end of said rod, a clamp member secured to the lower end of said cylinder, said clamp member having means to effect said pivotal and detachable connection of the hydraulic jack with the bifurcated arms of said bar, spaced depending claws secured to said clamp member and straddling said bead engaging claw, said claws having normally aligned, wedge shaped end portions to enter between the rim flange and the tire bead associated therewith and means for applying manually generated fluid pressure to said claws whereby said claws are separated and thereby move the tire bead away from said flange.

2,495,118
CENTRAL SCREW OPERATED MULTIPLE ARM TIRE REMOVING APPARATUS
William H. McCollister, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 15, 1945, Serial No. 628,872
1 Claim. (Cl. 157—1.2)



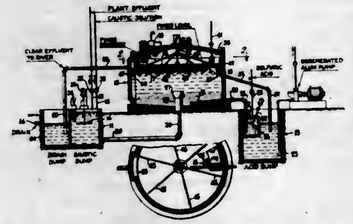
Tire removing apparatus of the character described comprising a base structure adapted to support a tire rim and tire thereon on a vertical axis at an elevated position, a suspension member positionable above the tire, means engaging said member and base structure adapted to force said suspension member downwardly toward said base, a plurality of legs slidably mounted on and suspended from the suspension member, each leg having a foot pivotally mounted on its lower end, the bottom end surface of said leg having a flat substantially horizontal surface, each said foot being formed at its top portion with a slot having a substantially flat bottom, said ends of said legs extending into said slots and being pivotally connected to the sides thereof, said pivotal connection being so disposed intermediate the toe and heel of said foot that the center of gravity of the foot is located radially inwardly of the point of suspension whereby said foot normally inclines downwardly and radially inwardly, the radially outward portion of said legs being rounded, the toes of said feet being engageable with the tire adjacent the rim flange.

2,495,119
METHOD OF FORMING GOLF CLUB GRIPS
James E. McDevitt, New York, N. Y.
Application March 17, 1947, Serial No. 735,236
5 Claims. (Cl. 18—55.1)



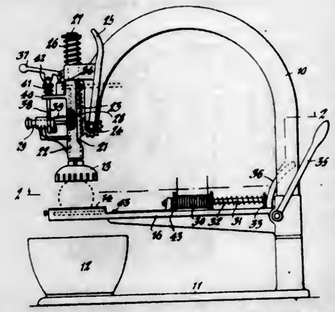
3. The method of forming a golf club grip which comprises causing the player for whom the grip is to be made to grasp a tubular forming member the wall of which is perforated, and forcing a plastic material outwardly through the perforations of said tube while the player maintains his grasp.

2,495,120
METHOD OF TREATING SYNTHETIC RUBBER COAGULANT EFFLUENT TO RECOVER ALUMINUM SALTS
Alvin D. Miller, Cuyahoga Falls, Ohio, and Robert F. O'Connell, St. Louis, Mo., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 13, 1944, Serial No. 567,942
3 Claims. (Cl. 23—123)



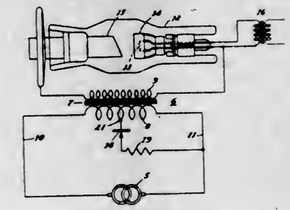
1. A process of treating a synthetic rubber coagulant effluent containing an aqueous solution of an aluminum salt and suspended particles of synthetic rubber, including adding caustic to the effluent to precipitate the aluminum as aluminum hydroxide, aerating the resulting liquid mixture whereby the rubber particles rise to the surface of the aerated mixture and the aluminum hydroxide concentrates in a layer therebeneath leaving the bulk of the liquid mixture as a clear neutral aqueous solution, conducting the clear solution away from the mixture as discharge liquor, removing the layer of aluminum hydroxide concentrate and the rubber particles from the mixture, and treating the aluminum hydroxide concentrate with an acid to convert it to a relatively concentrated aqueous solution of an aluminum salt.

2,495,121
VEGETABLE CUTTER
William H. Moore, Buffalo, N. Y.
Application March 21, 1946, Serial No. 656,093
2 Claims. (Cl. 146—78)



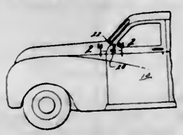
2. A device of the character described, comprising a frame, slicing and dicing cutters mounted on said frame at substantially right angles to each other, the slicing cutter being stationary and the dicing cutter being movable transversely of the former, a plunger guided on said frame including a vegetable-engaging head in opposing relation to the stationary cutter, solenoid means including a control switch operatively connected to said dicing cutter for projecting into and out of its dicing position, a releasable bolt disposed in operative relation to the plunger and projectable to a position for limiting its operative stroke, a latch for normally retaining the bolt in its released position, and an actuating lever disposed in correlation with said control switch and said latch for governing the actuation of such parts to their switch-closing and latch-released stroke-limiting positions, respectively.

2,495,122
METHOD OF AND APPARATUS FOR ENERGIZING SELF-RECTIFYING LOADING DEVICES
Montford Morrison, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application July 10, 1947, Serial No. 759,982
9 Claims. (Cl. 250—100)



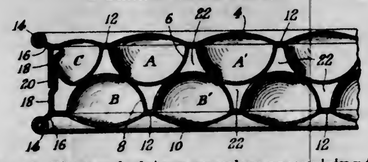
4. In combination, a self-rectifying X-ray device which is periodically conducting and non-conducting, a source of alternating current of substantially undistorted line-voltage wave form for energizing said device, a high voltage transformer having a secondary winding connected in circuit with said X-ray device and a primary winding to the terminals of which said source of undistorted line-voltage wave form is applied, and a load circuit including a rectifying unit effectively connected across substantially one-half of said primary winding during those periods that the X-ray device is non-conducting.

2,495,123
FASTENING DEVICE
Charles E. Morley, Detroit, Mich.
Application October 25, 1947, Serial No. 782,119
4 Claims. (Cl. 248—226)



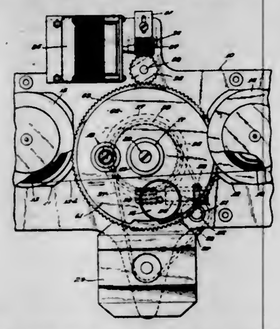
1. Means for attaching a body to a relatively thin supporting panel, comprising in combination with such a body having a bottom face adapted to lie against the panel, a substantially fixed holding member projecting from said bottom face of the body, a movable holding element also projecting from said bottom face of the body in spaced relation to the fixed holding element, means for actuating the movable holding element including a cam nut and a bolt engaging said cam nut, the bolt being accessible only from said bottom face of the body, the cam nut being mounted in the body and movable in an inclined path, said movable holding element including an overhanging head portion of the bolt, said bolt including a stem portion threadedly interengaged with said cam nut.

2,495,124
UPHOLSTERY UNIT
Hans George Morner, New York, N. Y.
Application June 24, 1947, Serial No. 756,770
1 Claim. (Cl. 5—348)



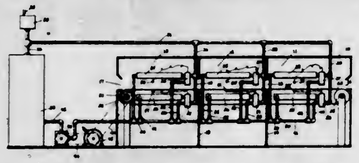
An air filled upholstery member comprising two contiguous layers of closely adjacent air filled cells, the cells in each layer having walls substantially hemispherical in shape and other walls slightly convex in shape sealed to the hemispherical walls, said hemispherical cell walls in each layer being formed of a single sheet of flexible impervious material, said convex cell walls in each layer also being formed of a single sheet of flexible impervious material, said hemispherical walls of each layer being positioned inwardly in said upholstery member, said hemispherical walls in each layer having a uniformly staggered relationship to the opposing hemispherical walls of the other layer, said convex cell walls in each layer forming the exterior top and bottom surfaces of said air filled upholstery member.

2,495,125
WIRE RECORDER TURRET
Otto R. Nemeth, Chicago, Ill.
Application August 16, 1947, Serial No. 769,055
7 Claims. (Cl. 274—4)



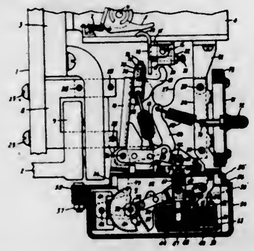
3. In a magnetic translating device including a main frame, a pair of reels supported by the frame and a coiled wire record wound on the reels and adapted to extend in a straight span between them, the combination of a mounting sleeve forming a part of the main frame; a rotatable turret carried on the mounting sleeve, a translating head and a level winding guide each mounted on the turret, with means for rotating the turret to advance the translating head and level winding guide across the straight span of wire extending between the reels whereby the drive is drawn into a loop at least partially around the translating head and engaged by the level winding guide; and means for reciprocating the level winding guide in a plane perpendicular to the path of the wire, said means including a slide rod parallel with the mounting sleeve, and means for rotating the cam with respect to the sleeve.

2,495,126
OVEN
Orion Ottis Oaks, Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y., a corporation of Delaware
Application September 26, 1947, Serial No. 776,321
1 Claim. (Cl. 263—8)



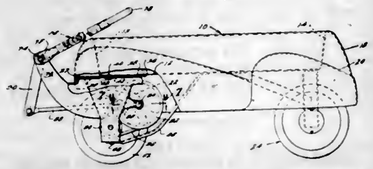
In an oven using an organic silicate as the heat transfer medium, one or more heating zones, heating jackets in said heating zones, means for moving the articles to be heated progressively through said zones, means for heating the heat transfer medium, supply piping connecting one side of said jackets to said heating means, return piping connecting the other side of said jackets to the return side of said heating means, by-pass piping at each of said jackets between said supply piping and said return piping, a thermostatic valve controlling the flow of the heat transfer medium through each of said by-pass piping and responsive to temperatures adjacent its respective jacket, said piping for circulating the heat transfer medium constituting a closed system, an expansion tank connected into said closed system and normally closed pressure and vacuum responsive relief means connected into said expansion tank, said expansion tank being connected into said supply piping adjacent and above said heating means.

2,495,127
THREE-STAGE RETARDED ELECTROMAGNETIC DEVICE
John A. Oppel, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application June 4, 1945, Serial No. 597,465
2 Claims. (Cl. 175—372)



1. In combination, a circuit breaker tripping electromagnet having a balanced pivoted armature, selective current-calibrating and time-delay mechanism for controlling the attraction of said armature including an adjustable calibrating spring connected at one end with the armature for yielding to allow substantially instantaneous attraction of the armature when the energizing current of the electromagnet exceeds the upper limit of a selective time delay range of current values predetermined by the separate adjustment of said spring, a pivoted gear segment connected with the other end of said spring, an independently adjustable calibrating spring connected with said gear segment for separately predetermining the lower limit of the selective time-delay range, an escapement ratchet wheel having a driving pinion meshing with the gear segment and a balanced double pawl escapement element operated by the ratchet wheel for effecting a relatively short time-delay in the movement of said armature to its attracted position when the energizing current of the electromagnet is within said selective time-delay range, and a dashpot having a movable piston provided with a separately adjustable spring connection with the gear segment for effecting a relatively long time-delay in the movement of the armature to its attracted position when the energizing current of the electromagnet is below a value in the selective time-delay range separately predetermined by the adjustment of said spring and for yielding when the current exceeds said value.

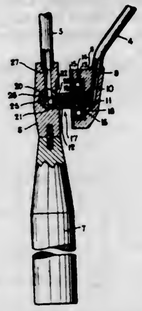
2,495,128
HANDCAR-COASTER WAGON
Joseph J. Panik, Detroit, Mich.
Application May 29, 1947, Serial No. 751,435
9 Claims. (Cl. 280—247)



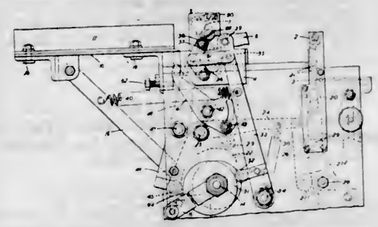
1. In a vehicle of the character described including body means adapted to carry a load and front and rear wheels supported by and adapted to carry the body means, steerable front wheel supporting means, and means for imparting a drive to a front wheel to propel the vehicle, comprising an axle supporting structure, pivotal connecting means attaching said structure to said body means for swiveling movement about a substantially vertical axis for steering, an axle carried by said structure, a handle supporting portion also carried by said structure, a handle pivotally connected to said handle supporting portion for swinging movement about a substantially horizontal axis, said handle being held against swinging movement with respect to said extension about an axis parallel to the steering axis, whereby the handle may be moved laterally to swing said structure about said steering axis, and driving means for turning said front wheel to propel the vehicle in response to swinging movement of said handle about said horizontal axis, said driving means including a crank, a driving arm for said crank, and a clutch for selectively connecting said handle to and disconnecting it from said driving arm.

2,495,129
WELDING EQUIPMENT
Clarence Earl Perrine and Archibald Murray Brown, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 17, 1948, Serial No. 21,724
3 Claims. (Cl. 113—111)

1. Gas transfer equipment adapted for use interiorly of a cylindrical and rotatably mounted work piece, said apparatus including an elongate supporting and gas inlet element adapted to be extended through and to rotate with said work piece, a gas outlet member, and means for the support of said gas outlet member by said supporting element to permit rotational movement in respect thereto, said outlet member including a counter-weight portion and a tubular outlet portion spaced from said counter-weight portion, said outlet member being supported at a position, in respect to said counter-weight and said tubular portions, to insure gravity positioning of said tubular portion during rotation of said supporting element with said work piece, said support means comprising an elongate element apertured to permit fluid conduction therethrough and provided at one end thereof with a cylindrical bearing portion and at the opposite end thereof with a bearing portion arcuate in cross section about an axis normal to the axis of said elongate element, said supporting element being provided with bearing means for the journaled reception of said cylindrical portion of said elongate element, said outlet element being provided with bearing means for engagement with said arcuate portion of said connecting element, whereby said elongate element is permitted rotational movement in respect to said supporting element, and said outlet element is permitted relative movement about an axis normal to the axis of rotation of said elongate element.



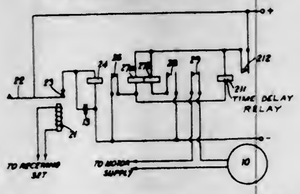
2,495,130
CRIMPING OR PLEATING APPARATUS AND METHOD
Bernard Joseph Pilliner, Guildford, England, assignor to Vokes Limited, London, England
Application April 5, 1944, Serial No. 529,697
In Great Britain April 15, 1943
13 Claims. (Cl. 223—30)



1. Apparatus for forming folds or pleats in lengths of material, including front gripping means, back gripping means, material feeding means, means for closing the front gripping means and thereby initiate a bend, means for closing and opening the back gripping means, means supporting the respective gripping means

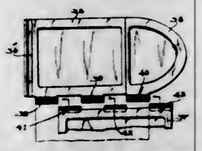
for relative reciprocating movement, means for moving said respective gripping means together to form a fold and then from each other preparatory to forming another fold, means for opening the front gripping means for passage of the formed fold, and means for operating the material feeding means to bring the part last gripped by the back gripping means into position for gripping by the front gripping means.

2,495,131
MOTOR STOP-START ARRANGEMENT FOR TELEGRAPH RECEIVERS
Thomas Geoffrey Poulter, Chelmsford, England, assignor to Marconi's Wireless Telegraph Company Limited, London, England, a company of Great Britain
Application July 8, 1948, Serial No. 37,643
In Great Britain July 31, 1947
4 Claims. (Cl. 178—4.1)



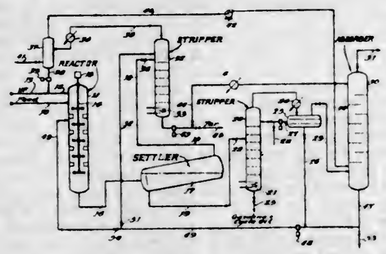
1. In a printing telegraph or like receiver motor stop-start arrangement wherein the printing telegraph receiver motor is provided with a control circuit which stops and starts said motor under the control of telegraph signals transmitted thereto from a co-operating transmitter, the combination of a first control relay having a winding, means connecting said winding in circuit so as to energize the same when the normally provided telegraph receiver is on space, delay means associated with said relay to delay its release after said circuit is broken, a motor control relay having an operating winding, means connecting said operating winding to energize the same on release of said first control relay, means, actuated on energization of said operating winding, for completing the motor circuit, a maintaining circuit connected to be closed on energization of said operating winding for maintaining the motor circuit completed after said operating winding has been energized, and a delay relay having a winding connected to be energized on energization of the first control relay and having contacts connected to break said maintaining circuit and also the circuits of said last mentioned winding and of said operating winding on operation of said delay relay.

2,495,132
SECTIONAL PLATE
John Le Roy Remco, Wilkes-Barre, Pa.
Application June 23, 1947, Serial No. 756,386
2 Claims. (Cl. 220—23.4)



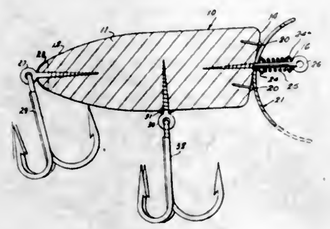
2. In an article of the class described having adjacent sections releasably connected together along adjacent straight sides and having straight sides in end alignment extending at right angles to the releasably connected straight sides, a third section having a straight side parallel to the end aligned straight sides of the adjacent sections, said third section being longer than either of the adjacent sections to be coextensive with one of the adjacent sections and have a portion extended along an adjacent portion of the other of the adjacent sections, spaced female connector formations formed on the end aligned straight sides of the adjacent sections, and spaced male connector formations formed along the straight side of said third section and engaging said female connector formations of the adjacent sections connecting the third section to the adjacent sections and securing the adjacent sections to prevent relative lateral movement of the adjacent sections in a direction to disconnect them, said male and female connector formations being of equal length and the spaces between the adjacent ends of said male and female connector formations being equal in length to the length of said male and female connector formations, whereby said third section may be disengaged from the adjacent sections by sliding said third section in a direction relative to the adjacent sections to disengage said male connector formations from the female connector formations and align said male connector formations with the spaces between the adjacent ends of the female connector formations after which said third section may be moved away from the adjacent sections.

2,495,133
TREATING HYDROCARBONS WITH HYDROFLUORIC ACID
John A. Ridgway, Jr., Texas City, Tex., assignor to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
Application September 20, 1947, Serial No. 775,268
2 Claims. (Cl. 196—52)



1. The process of converting a heavy hydrocarbon oil which comprises contacting said oil and hydrofluoric acid in a conversion zone, separating conversion products in a separating zone into an oil phase and an HF phase, removing HF from said HF phase in an HF stripping zone thereby producing an HF-soluble substantially free of HF, returning recovered HF from said stripping zone to said conversion zone, removing HF and hydrocarbon gases from said oil phase in a gasoline stripping zone, absorbing HF from admixture with said hydrocarbon gases in an absorption zone wherein said gases are intimately contacted with said HF-soluble oil and recycling said HF-soluble oil containing absorbed HF from said absorption zone to said conversion zone.

2,495,134
FISH LURE
Constance C. Roberts, Mosinee, Wis.
Application January 27, 1948, Serial No. 4,556
2 Claims. (Cl. 43—42.22)

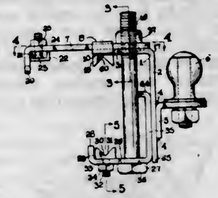


1. A fish lure comprising an elongated plug body having a flat forward end, a pin extending forwardly from said flat forward end and providing at its outer end a line attaching eye, a plurality of rounded detents on said forward end surrounding said pin and spaced from said pin and from each other, an elongated, rectangular plate having a concavo-convex curvature disposed on the forward end of said plug body with its concave side directed forwardly and its convex side bearing on said detents, said plate having therein an elongated slot extending from a point adjacent one end substantially to the mid-length portion of said plate along the mid-width portion of the plate and receiving said pin, a spring carried by said pin and bearing against the concave side of said plate to force the convex side of the latter into frictional engagement with said detents, and a concavo-convex washer interposed between said spring and the concave side of said plate.

2,495,135
METHOD OF DISSOLVING LOW VISCOSITY DIOLEFIN POLYMERS
Sayre Rodman, Oakmont, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application December 11, 1946, Serial No. 715,613
3 Claims. (Cl. 260—33.8)

1. Process which comprises floating a body of a latex upon a body of carbon tetrachloride, the net agitation of the solvent and latex phases being only sufficient to effect circulation of the respective phases to and from the interface without any extensive disruption of said interface, heating the carbon tetrachloride to approximately its boiling point, acidifying the latex to effect transfer of the dispersed phase thereof to the carbon tetrachloride, said latex having been prepared in the presence of excessive amounts of modifying agents so that dispersed phase has an intrinsic viscosity of from 0.1 to 0.4, and said dispersed phase being selected from the group consisting of polymers of conjugated di-ethylenically-unsaturated compounds and copolymers thereof with each other and with minor proportions of monoethylenically-unsaturated compounds copolymerizable therewith and having an intrinsic viscosity of from 0.1 to 0.4, and separating the resultant carbon tetrachloride solution from the spent latex serum.

2,495,136
AUTOMOBILE TRAILER HITCH
Arnold P. Roth, Wickliffe, Ohio
Application May 13, 1947, Serial No. 747,641
4 Claims. (Cl. 280—33.44)



1. In a trailer hitch device for attaching to the bumper of an automobile, an inverted L-shaped main frame comprising a vertical portion and an upper forwardly and rearwardly extending horizontal portion; a universal joint ball secured to a forward part of the vertical frame portion; a horizontal upper jaw element horizontally, slidably, adjustably positionable forwardly and rearwardly upon the upper side of the horizontal frame portion; guide means on the horizontal frame portion embracing and guiding sliding movements of the upper jaw element; an upper bumper-grip on the upper jaw element; a lower L-shaped jaw element comprising a horizontal portion having a lower bumper-grip, and comprising a vertical portion extending upwardly from the horizontal portion and along the rear side of the main frame vertical portion; the horizontal portions of the lower jaw element and of the main frame being provided with axially aligned perforations, and the upper jaw element being provided with aperture means; a clamp bolt projected through the aligned perforations, and also through the aperture means in all forwardly and rearwardly adjusted positions of the upper jaw element.

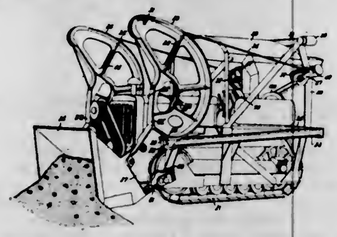
2,495,137
POLYMERIZATION OF BUTADIENE
George P. Rowland, Jr., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application May 5, 1948, Serial No. 25,310
4 Claims. (Cl. 260—94.2)

1. Process of polymerizing butadiene which comprises coating a surface with a solvent cement of a previously formed polymer of butadiene having suspended therein finely divided sodium said sodium being employed in an amount from 0.5% to 10.0% of the weight of the polybutadiene ultimately produced, evaporating the solvent from the cement to leave a coating of polybutadiene having the finely divided sodium suspended therein, and contacting said coating with gaseous butadiene whereby to polymerize the butadiene upon said surface.

2,495,138
MATERIAL HANDLING MACHINE
Edwin B. Royle, Salt Lake City, Utah, assignor to The Eimco Corporation, Salt Lake City, Utah, a corporation of Utah
Application July 25, 1946, Serial No. 686,130
7 Claims. (Cl. 214—148)

1. In a material handling machine including an automotive vehicle and a power-actuated material-gathering receptable carried by said vehicle, means for transferring said receptacle from

a depressed material-gathering position at one end of the vehicle to an elevated material-dumping position at the other end of the vehicle comprising rail members extending along each side of the vehicle, and paired rocker members each having an extended curved surface adapted to roll along the top face of one of said rail members, means connecting said receptacle to said rocker members adjacent one end of the extended curved surfaces thereof, power-actuated means for constraining said rocker members to roll along said rails on said extended curved surfaces



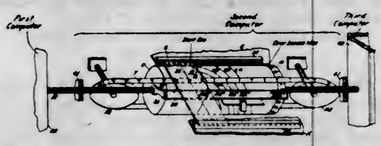
from the end adjacent said receptacle to the opposite end thereof whereby to raise the receptacle into elevated dumping position, and a pair of stop members carried by said vehicle at the material-gathering end thereof substantially below the level of said rails positioned to abut against the rocker-receptacle assembly in the depressed material-gathering position thereof, said stop members including a plurality of arms and being mounted for rotation eccentrically with respect to said arms to provide a plurality of preselectable stop positions.

2,495,139

MEANS FOR AIRPLANE APPROACH CONTROL

Samuel P. Saint, Port Washington, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application December 22, 1944, Serial No. 569,335
9 Claims. (Cl. 235—61)



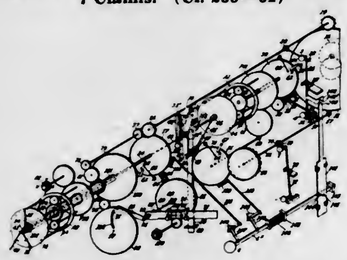
1. In a computer for computing the time an airplane is to consume in a variable length holding loop adjacent a holding stack comprising; a chart of which one extremity manifests the over-beacon time; a tape having equally spaced time intervals marked thereon and movable relative to said chart so that a predetermined over-beacon time on said tape may be aligned with such extremity; a mark on such chart lined up with the time indication on such tape when a pilot is to be called to start a landing procedure which is to be completed at the over-beacon time indicated by said tape; and a scale marking on said chart which if read directly aligned with the time on the tape when the pilot reports passing over the beacon in flying out of the holding stack and into the holding loop, indicates a time which determines how large such holding loop must be made in order for the airplane to reach the over-beacon location a second time at the over-beacon time indicated on said tape.

2,495,140

AIRPLANE APPROACH CONTROL SYSTEM

Oscar S. Field, Sedgwick N. Wight, and Ralph W. Hewes, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application May 7, 1945, Serial No. 592,416
7 Claims. (Cl. 235—61)



1. A computer for computing the time an airplane shall fly in a predetermined direction in a holding loop dependent upon the time lost in a holding stack since a landing maneuver was started by such airplane comprising, two rotatable indicator arms operable about the same axis and located a predetermined number of degrees apart, means for driving one indicator arm at a predetermined speed toward the other indicator arm from the start of a landing maneuver until the airplane leaves a holding stack, and means effective thereafter for driving the other indicator arm at a predetermined different speed and toward said one indicator from the time the airplane leaves said holding stack, the time of performing a predetermined act being indicated by the meeting of said indicator arms at the same angular position on said axis.

2,495,141

LATEX CREAMING IN THE PRESENCE OF DIBASIC SODIUM PHOSPHATE

Ernst Schmidt, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application July 30, 1945, Serial No. 607,917
1 Claim. (Cl. 260—85.1)

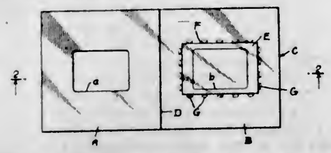
The method of creaming latex of rubber-like copolymer of butadiene and styrene with ammonium alginate which comprises adding to the latex the ammonium alginate and 0.50 to 1.3 per cent of dibasic sodium phosphate (based on the weight of the aqueous phase of the latex), allowing the latex to cream, and then separating the concentrated latex and resulting skim.

2,495,142

TRANSPARENCY MOUNT AND METHOD OF MAKING SAME

Eugene G. Seary, Hastings on Hudson, N. Y.

Application October 9, 1948, Serial No. 53,735
5 Claims. (Cl. 40—158)



1. The method of forming a transparency mount made from a paper blank having a fold

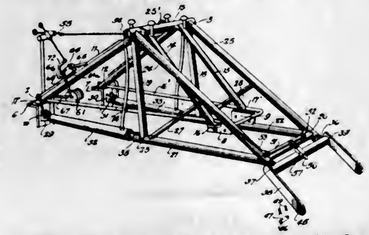
line between two side by side sections of said blank and having an aperture in each section in position to register with the aperture in the other section when the blank is folded on said fold line to bring one side of each section into contact with one side of the other section, which consists in embossing the blank to form projections extending away from said one side of one of said sections and distributed along the outer edge of a portion of the section surrounding the major portion at least of the aperture therein and thereby defining a transparency seat, applying adhesive material to one at least of said sections, placing a transparency on said seat, folding the blank on said fold line to bring said section sides into contact with one another and to bring said apertures into register, and subjecting the folded blank to transverse pressure forcing substantially all of the projections back into the body of the blank section of which they form a part, and establishing an adhesive bond between the contacting sections.

2,495,143

POWER LIFT ATTACHMENT FOR TRACTORS OR THE LIKE

John J. Simmonds, Lawrence, Kans., assignor, by mesne assignments, to Dearborn Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 4, 1945, Serial No. 597,501
6 Claims. (Cl. 214—140)



1. In a device of the character described, a substantially triangular frame truss adapted for attachment to each side of a tractor, brackets for securing the frame trusses to the rear axle of the tractor and to the forward portion of the frame trusses of said tractor, said frame being constructed of hollow tubing for containing a fluid medium therein, a crossbar connecting the upper vertices of said trusses, cylinders including pistons in said cylinders carried by said rear axle brackets and extending substantially horizontally of said frame trusses, a substantially triangular boom truss articulated to said crossbar and to said pistons in said cylinders, a container carried by said boom truss, and means carried by said frame trusses for supplying fluid medium from said frame trusses to said cylinders for raising and lowering said boom truss.

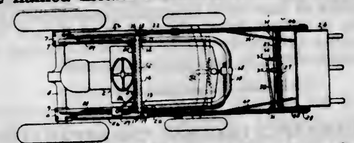
2,495,144

FRAMEWORK STRUCTURE FOR POWER LIFTING ATTACHMENTS FOR VEHICLES

Wayne W. Simmonds, Kansas City, Mo., assignor, by mesne assignments, to Dearborn Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 1, 1946, Serial No. 658,760
11 Claims. (Cl. 214—140)

1. A lifting attachment for a vehicle comprising, a frame readily applicable to and separable from the vehicle, means for attaching the rear of the frame to the rear of said vehicle, and means for pivotally mounting the front of said frame to the front portion of the vehicle, said last named means including a substantially U-



shaped member depending from the frame having an upstanding bracket, said bracket supporting a pin longitudinally of the frame for pivotally engaging the axle of the vehicle.

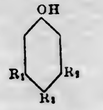
2,495,145

RUBBER COMPOSITIONS OF IMPROVED TACK

George E. P. Smith, Jr., and Joseph C. Ambelang, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application December 30, 1944, Serial No. 570,758
8 Claims. (Cl. 260—3)

3. A tacky rubbery composition of the group consisting of a rubbery butadiene-styrene copolymer composition, a rubbery polybutadiene composition, a reclaimed natural rubber composition, a reclaimed rubbery butadiene-styrene copolymer and reclaimed mixtures of a rubbery butadiene-styrene copolymer and natural rubber, said rubbery composition containing a resinous reaction product of 0.9 to 1.0 molar proportion of sulfur dichloride and one molar proportion of a phenol having the formula



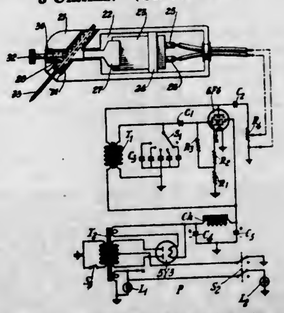
wherein R_1 and R_2 are members of the group consisting of hydrogen and alkyl radicals and R_3 is a hydrocarbon radical containing between 3 and 12, inclusive, carbon atoms, and a salt selected from the group consisting of zinc rosinate, calcium rosinate and iron rosinate.

2,495,146

RETOUCHING DEVICE

James B. Straughn, Silver Spring, Md.

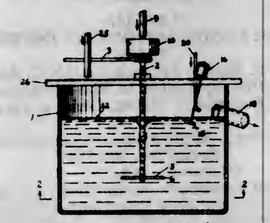
Application November 26, 1946, Serial No. 712,298
3 Claims. (Cl. 95—101)



1. Retouching device comprising in combination with a source of electric energy of substan-

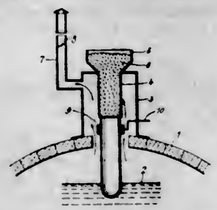
tially simple harmonic wave character, a head having means connected by leads to the source for converting the electric energy into mechanical vibrations of like wave character, said means including a piezo-crystal element, and means for retouching carried by the head and connected to the crystal element for vibration thereby.

2,495,147
COAGULATION PROCESS AND APPARATUS
John N. Street, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 18, 1946, Serial No. 677,588
2 Claims. (Cl. 260—96)



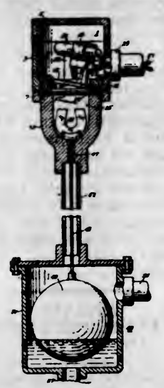
1. The process of coagulating a dispersion which on coagulation produces a rubber-like product, which process comprises maintaining a bath of coagulant, feeding a plurality of streams of the dispersion to rapidly and continuously changing locations under the surface of the bath of the coagulant, whereby the streams of the dispersion are sheared into droplets which on coagulation product a crumb of rubber-like particles, allowing the resulting crumb to rise to the surface of the body of coagulant, breaking up at the surface any agglomerates formed therefrom, and then separating the resultant material from the surface of the body of coagulant.

2,495,148
METHOD OF MANUFACTURING CONTINUOUS ELECTRODES
Ragnar Tanberg, Drammen, Norway
Application July 17, 1946, Serial No. 684,096
In Norway May 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 8, 1963
3 Claims. (Cl. 13—18)



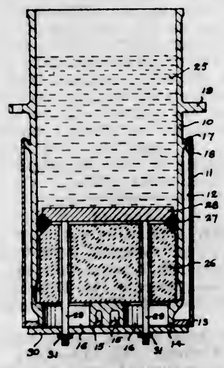
2. In the process of forming continuous electrodes from a mixture of a crushed carbonaceous material and a binding agent for electric furnace use and wherein the mixture is glutinated and coked in a heated guiding mantel, the improvement which consists of employing evaporated waste sulphite lye as the binding agent, said evaporated waste sulphite lye having a dry material content of 50–60% and constituting from 10% to 35% of the total electrode mass.

2,495,149
MAGNET-OPERATED SWITCH
William H. Taylor, San Leandro, Calif.
Application March 23, 1946, Serial No. 656,565
1 Claim. (Cl. 200—112)



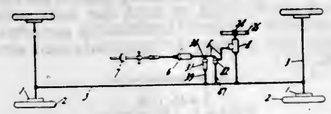
A switch component for a magnet-operated switch comprising an armature of magnetic material, a leaf spring disposed along a surface of said armature and fastened at one end spaced from and adjacent an end of said armature, said leaf spring at its other end extending to the other end of said armature, a capsule-type switch and mounting clip, and means securing said clip and said armature to said leaf spring at said other end of said armature and said armature upon being attracted having its first end separate from said leaf spring, causing a tilting movement of said capsule type switch and mounting clip to operate said switch.

2,495,150
METHOD OF CONDITIONING METAL MEMBERS FOR A WELDING OPERATION
Ralph E. Van Deventer, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 2, 1945, Serial No. 586,116
8 Claims. (Cl. 113—112)



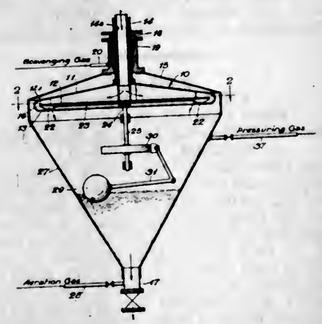
1. In the welding of a jacket to a flange extending from the wall of a steel member, the method of preserving the physical properties of the wall and preventing the creation of undesirable stresses in the flange which comprises controlling the temperature of the member prior to, during, and after the welding operation by maintaining in intimate contact with the wall surface thereof, adjacent the flange, a body of molten material the temperature of which ranges between approximately 650° F. and approximately 800° F.

2,495,151
HYDRAULIC SYSTEM
Carroll B. Vickers, Buffalo, N. Y., assignor to Mildred V. Somervell
Application August 10, 1943, Serial No. 498,067
4 Claims. (Cl. 60—52)



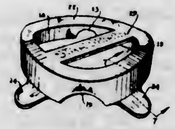
1. A hydraulic system comprising a hydraulic work performing unit, a manual pressure generator in fluid communication therewith, a pump unit interposed between the generator and the work performing unit and comprising a piston operating in a chamber, a rotatable cam for operating the pump and being normally spaced therefrom, the piston adapted to be lifted by the fluid pressure from the generator into the path of the cam for being actuated thereby to subject the work performing unit to a higher pressure, and a control unit interposed between the pump unit and the generator comprising a differential valve having a relatively large head subject to the pressure of the generator and a relatively small head subject to the pressure from the pump unit, the large head when closed acting to interrupt the flow of liquid from the generator to the pump unit.

2,495,152
METHOD AND MEANS FOR PRESSURING FLUIDIZED SOLIDS
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 29, 1945, Serial No. 596,583
16 Claims. (Cl. 302—36)



1. In a centrifugal pump for finely divided solids, which includes a casing and a rotatable chamber within said casing having a constricted opening at its periphery, the improvement which comprises a trough forming a part of said chamber and disposed adjacent to the constricted opening therein and adapted to receive solids from said opening, rotatable skimming means extending into said trough and means for controlling the differential angular velocity of said skimming means and said chamber.

2,495,153
COLLAR DISPLAY HOLDER
Morton Wald, New York, and Julius Brooks, Brooklyn, N. Y., and John Leaman, Duluth, Minn.; said Brooks assignor to Ira Silverman, New York, N. Y.
Application March 22, 1947, Serial No. 736,528
2 Claims. (Cl. 223—83)



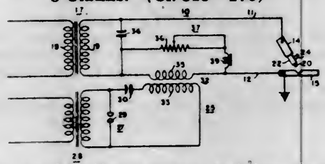
1. In a collar holder for insertion into the collar of a freshly laundered and folded man's shirt and having a top wall substantially flush with the top edges of the collar and a depending skirt wall of a height corresponding substantially with the height of the collar, projections extending radially outward from the bottom edges of the skirt wall for insertion between the layers of material of the folded shirt adjacent the collar for retaining the holder in position in the collar, said projections having their free ends rounded to facilitate their insertion between the layers of material, the top wall being formed with spaced opposed semi-circular openings dividing off a handle by which a grip can be had on the holder for pulling it out of the collar against the holding action of said projections.

2,495,154
LIGHTNING ARRESTER
Stanley W. Zimmerman, Dalton, Mass., assignor to General Electric Company, a corporation of New York
Application January 12, 1945, Serial No. 572,508
3 Claims. (Cl. 175—30)



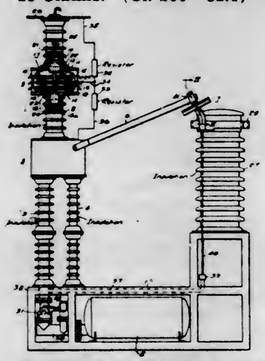
1. A lightning arrester including a pair of coaxially arranged hollow rings of resistance material, a metal plate with a central opening secured to each face of each ring and having a projection from the inner edge of said opening, the ends of the projections associated with each ring forming a pair of spaced electrodes within the hollow of each ring and defining an arc gap therein, and a plurality of disk-like elements of metal respectively interposed between and in physical contact with said metal plates positioned between each pair of adjacent rings to prevent an arc from extending between electrodes of different gaps, each of said disk-like elements having a plurality of staggered openings therein for permitting an arc at one of said gaps to illuminate the other gaps through one or more of said openings in said disk-like elements even though said disk-like members are not in alignment.

2,495,155
HIGH-FREQUENCY STABILIZED ARC WELDING SYSTEM
Earl B. Ankenman, Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1948, Serial No. 40,592
8 Claims. (Cl. 315—176)



1. In combination, an arc welding circuit, a high frequency arc stabilizer, coupling means connected in the arc welding circuit to couple the stabilizer and the arc welding circuit, and impedance means connected in shunt circuit relation with the coupling means in the arc welding circuit to provide a path for a portion of the arc welding current.

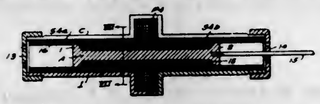
2,495,156
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 15, 1945, Serial No. 635,353
13 Claims. (Cl. 200—81.4)



1. In a circuit interrupter, a stationary jaw-shaped contact including two opposed finger contacts, a movable contact cooperating with said finger contacts, a diaphragm, a block secured to the center of the diaphragm, the two finger contacts being pivotally mounted to the block, and means for applying gas pressure to one side of the diaphragm to flex said diaphragm to move said finger contacts away from said movable contact.

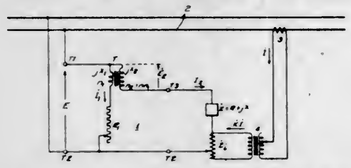
2,495,157
ELECTROMAGNETIC DEVICE
Thomas E. Browne, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1948, Serial No. 44,621
1 Claim. (Cl. 171—119)

An electromagnetic device comprising, in combination, a housing of magnetic material of the form of an incomplete annulus, uniformly axially distributed annular coil means disposed within said housing, a plunger of magnetic material of shorter axial length than said housing and said coil means concentrically arranged within said coil means and having circular flanges at the extremities thereof, a non-magnetic tube disposed between said coil means and said plunger, the flanges of said plunger slidably engaging said tube for supporting said annular



housing and said plunger for relative longitudinal movement in fixed radial relationship, means for supplying excitation to axially spaced portions of said coil means, and at least one split sleeve of non-magnetic electrical conducting material surrounding said plunger intermediate said circular flanges.

2,495,158
PHASE SHIFTER
Herbert J. Carlin, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 21, 1945, Serial No. 583,926
14 Claims. (Cl. 323—120)

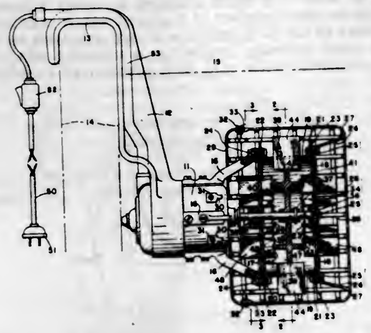


5. A phase-shifting network for use with an alternating-current line having means for supplying two separate input-voltages to said network from said line, said network comprising a phase-shifting transformer having a primary circuit and a secondary circuit, a variable primary-circuit resistor, circuit-connections for serially connecting said two input-voltages and the secondary circuit of said phase-shifting transformer in series with a load-device, circuit-connections for connecting said variable primary-circuit resistor in series with the primary circuit of said phase-shifting transformer for energization in shunt-circuit relation to one of said input-voltages, and means for independently varying the magnitude of the other input-voltage.

2,495,159
VIBRATING DEVICE
Israel Chertoff, Brooklyn, N. Y.
Application September 16, 1948, Serial No. 49,521
2 Claims. (Cl. 259—1)

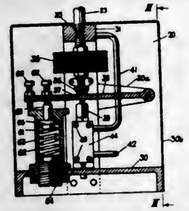
1. An apparatus for producing cavitation in a cleansing liquid within a container, comprising a suspending frame adapted to be partially submerged in said cleansing liquid, a motor upon said suspending frame, a drum secured upon the casing of said motor and adapted to be submerged in said cleansing liquid, the shaft of said motor extending into said drum, vanes extending outwardly and inwardly through the peripheral wall of said drum, a rotor member having a serrated peripheral edge secured to the said extended motor shaft within the said drum and adapted, when rotated, to engage the inner edges of said peripheral vanes, annular flanges extending from the said rotor member and having serrated outer edges, laterally disposed vanes upon

the said drum extending inwardly and outwardly therefrom and engaging the serrated edges of



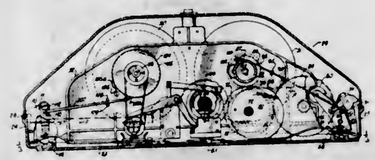
said annular flanges upon the rotor when said rotor rotates, and means for conducting a source of electrical energy to the said motor.

2,495,160
CONTROL APPARATUS
Ralph C. Davis, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application April 3, 1941, Serial No. 386,692, now Patent No. 2,354,429, dated July 25, 1944. Divided and this application March 15, 1944, Serial No. 526,839
2 Claims. (Cl. 137—153)



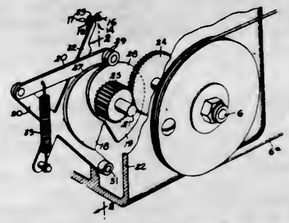
1. A control device adapted to be used in conjunction with an installed control whereby the performance of said installed control is affected, said device comprising a frame, a bellows carried by said frame and designed to have a variable pressure exerted thereon, a lever pivotally mounted upon said frame, means carried by said bellows and bearing on said lever, a valve having inlet, exhaust and outlet openings therein positioned upon said frame adjacent said lever, said valve including a movable element extending therefrom adjacent said lever and contacting same in opposed relation to said member, the position of said movable element determining whether said outlet opening connects to said inlet or exhaust opening, and yieldable adjustable pressure means associated with said lever in opposed relation to the first said means to limit the normal position of said lever with relation to said movable element, said valve inlet being adapted to have a fluid under constant pressure supplied thereto to retain said movable element normally in connecting relation between said inlet and outlet openings, but said bellows being adapted to exert sufficient pressure upon said lever under predetermined pressure conditions in the bellows, to change the position of said lever, move said movable element, and connect said outlet and exhaust openings.

2,495,161
FILM FEEDING AND WINDING APPARATUS
Irving W. Doyle, Massapequa, and Reginald A. White, Pleasantville, N. Y., assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Original application November 13, 1943, Serial No. 510,146, now Patent No. 2,403,587, dated July 9, 1946. Divided and this application November 2, 1944, Serial No. 561,555
12 Claims. (Cl. 242—71)



1. In a film magazine for supporting and transporting large sized film to be exposed in an aerial camera, in combination, a film supply spool, a film take-up spool, a film metering roller against which the film is pressed to feed the film from the supply to the take-up spool during a cycle of winding operation, and means for driving said roller at a gradually accelerating rate then a gradually decelerating rate during the cycle of operation to feed film from the supply spool to the take-up spool first at an increasing linear velocity during the first part of the cycle to overcome the inertia of the film without impressing peak loads on the driving means and then at a varying linear velocity during the latter part of the cycle.

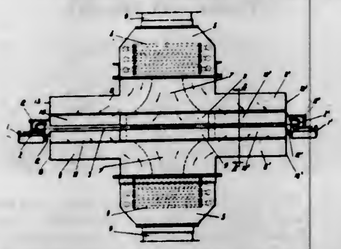
2,495,162
FOLLOW-UP MECHANISM
James W. Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application June 20, 1946, Serial No. 678,017
9 Claims. (Cl. 318—32)



1. In a system for controlling the operation of a reversible power operator to cause an element driven thereby to follow the movements of a control element, two open face cams disposed side by side and mounted for rotation relative to each other about a common axis, said cams being rotatable in unison with said driven element and control element respectively and having peripheral rise surfaces crossing each other, a follower engageable with both of said surfaces, a device for controlling the operation of said power operator and having a part movable back and forth between two limit positions through a neutral position in which said power operator is idle, a member swingable about a fixed pivot

and carrying said movable control part, and a yieldable spring connection between said follower and said member.

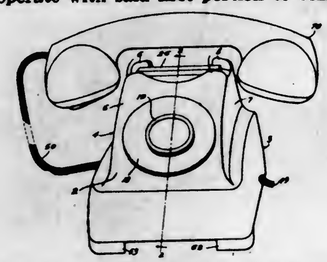
2,495,163
TENTERING OR LIKE MACHINE FOR DRYING CLOTH OR OTHER MATERIAL
Julius Dungler, Basel, Switzerland
Application July 22, 1947, Serial No. 762,776
In France February 24, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires February 24, 1959
6 Claims. (Cl. 26—60)



6. In a drying tentering machine and the like, in combination, fixed nozzle means situated close to the plane of a stretched cloth, the length of said fixed nozzle means corresponding to the minimum width of the cloth to be treated, extension nozzle means situated on both sides of said fixed nozzle means and slidable relatively thereto to vary the total operative length of all nozzle means depending upon the width of the cloth to be treated, said nozzle means having openings directed toward the cloth, a distribution manifold communicating with said fixed nozzle means and having lateral extensions communicating with said extension nozzle means, means connected with said distributing manifold for supplying a fluid thereto, chain-guide rails situated on both sides of said extension nozzle means, clips carrying said cloth and supported by said chain-guide rails, and members connecting said chain-guide rails with said extension nozzle means, whereby the total operative length of all nozzle means may be varied when the spacing of the chain-guide rails is altered.

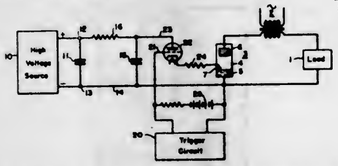
2,495,164
HOUSING LATCH FOR TELEPHONE SETS
Clifford E. Erickson, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application May 19, 1945, Serial No. 594,619
1 Claim. (Cl. 179—100)

In combination, a base assembly adapted alternatively to lie at rest on a suitable surface and to be secured fixedly in place against a surface, said assembly including a base plate having telephone-substation instrumentalities mounted thereon, a desk-type housing arranged to be secured to the base assembly to enclose said instrumentalities when the base assembly is to lie at rest on a surface, a wall-type housing arranged to be secured to the base assembly to enclose said instrumentalities when the base assembly is to be secured fixedly in place against a surface, one margin of the base assembly including a first portion formed to serve as one member of a first latch adapted to be engaged and disengaged by relative movement of the members thereof along a path extending laterally toward and away from the base assembly, the opposed margin of the base assembly including a second portion adapted to serve alternatively as one member of a second latch generally similar to the first and as a clamp-engaged member, each housing including a member adapted to cooperate with said first portion to complete



said first latch when the housing is assembled with the base, the wall-type housing carrying a flexibly supported member adapted to cooperate with said second portion to complete the second latch, while the desk-type housing carries a portion serving as one anchor point for a clamp member which anchors against said second portion to secure the housing to the base assembly.

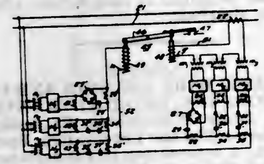
2,495,165
VAPOR-ELECTRIC DEVICE
Norman C. Fulmer, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 13, 1948, Serial No. 54,345
3 Claims. (Cl. 315—227)



1. A control system for a vapor-electric device comprising a cathode spot initiating electrode in said device, a source of substantially direct current control potential, a capacitor connected to be charged from said source, impedance means connected between said source and said capacitor for controlling the rate of charge of the capacitor, circuit means including a grid controlled electric valve and a current limiting impedance for connecting said electrode across the terminals of said capacitor, circuit means energized by current flow to said capacitor for impressing a negative bias potential on the grid of said grid controlled valve and means for periodically impressing a positive trigger potential on the grid of said valve.

2,495,166
DISTANCE-TYPE RELAY WITH LIMITED DIRECTIONAL DISCRIMINATION
Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1945, Serial No. 638,355
20 Claims. (Cl. 175—294)

1. A distance-responsive alternating-current relay, comprising a relay-means having at least two magnetizing-means for producing at least two separate relay-fluxes and having flux-responsive force-producing means for developing, from said fluxes, a response to predetermined impedance values, in combination with line-energized energizing-circuit means for energizing the respective magnetizing-means of the relay, the energizing-circuit means which energizes the magnetizing-means for producing at least a predetermined one of said relay-fluxes being a composite energizing-circuit means including at least two line-energized circuit-means for carrying at least two derived alternating-current relaying-quantities, at least one of said quantities being



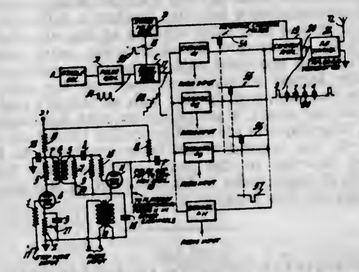
responsive to a line-current, at least another one of said quantities being responsive to a line-voltage, said composite energizing-circuit means also including separate transformation-means for deriving, from each of said relaying-quantities, an alternating voltage which is substantially free of a direct-current component and which includes at least a double-frequency harmonic of the relaying-quantity, said composite energizing-circuit means and its associated magnetizing-means including, in their combined structures, means for causing the resultant flux to be responsive to a vectorial combination of the voltages which are thus derived by the several transformation-means.

2,495,167
WOUND CORE
Clifford C. Horstman and John H. Bramble, Sharpsville, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1945, Serial No. 594,660
2 Claims. (Cl. 148—14)



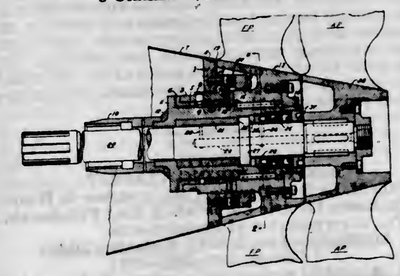
1. In the method of making a magnetic core structure, the steps comprising simultaneously winding a ribbon of magnetic sheet steel material which is subject to carburization layer upon layer around a shaping form to provide a closed magnetic circuit loop and a strip of decomposable organic spacing material that is very much narrower than the ribbon of magnetic sheet steel material inwardly from the edges of the ribbon of magnetic sheet steel material for spacing the successive layers of the ribbon, heating the wound core loop at a temperature sufficiently high to strain anneal the wound core loop and to decompose the decomposable organic spacing material in a reducing and decarburizing atmosphere containing hydrogen to prevent carburization of the magnetic sheet steel material by removing the gaseous products of decomposition, impregnating the spaces between the successive layers of the ribbon of magnetic sheet steel material with bonding material and baking to bond the several layers of the magnetic material solidly together.

2,495,168
CHANNEL UNIT FOR MULTIPLEX SYSTEMS
William D. Houghton, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 22, 1948, Serial No. 28,645
9 Claims. (Cl. 179—15)



6. In a pulse generating multiplex system, a plurality of channel circuits, a source of recurring waves coupled to and controlling said channel circuits to produce sequentially occurring amplitude-modulated pulses, each of said channel circuits including: a first normally non-conductive vacuum tube electrode structure biased to become conductive at a particular region of the recurring wave, a second normally non-conductive vacuum tube electrode structure having a cathode, a differentiator circuit coupling said structures and controlling said second structure to become conductive for only a portion of the time of conductivity of said first structure, and a source of modulating potential coupled to the cathode of said second structure; the first electrode structures of the different channel circuits being differently biased, and a pulse combining circuit coupled in common to the output electrodes of the second structures of said channel circuits.

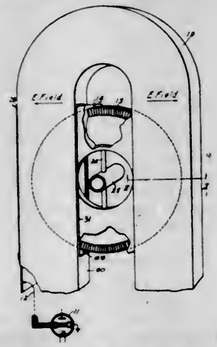
2,495,169
DRIVE SHAFT
Lawrence D. Jennings and Joseph Naymik, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 22, 1946, Serial No. 664,051
3 Claims. (Cl. 114—20)



1. In the propulsion equipment for a torpedo, in combination, a torpedo tailcone provided with an inwardly directed bulkhead, a sleeve bearing axially disposed of the bulkhead, said sleeve bearing at the aft end thereof being provided with a flat radially directed thrust receiving surface, a sleeve shaft fitting into the sleeve bearing, a

propeller hub secured to the aft end of the sleeve shaft, a propeller on said hub, said hub having a thrust transmitting sleeve disposed in facing relation to the radially directed surface, grease channels in the radial and sleeve portion of the sleeve bearing, means within the tailcone of the torpedo for supplying grease to said channels, a second sleeve bearing fixed within the sleeve shaft, said second sleeve bearing having a radially directed thrust receiving surface at the aft end; a shaft in the second sleeve bearing, said second shaft being provided with a shoulder contiguous to the thrust receiving surface on the second sleeve bearing, a propeller hub at the aft end of the second shaft, a propeller on said last named hub, whereby the forward propeller thrust on the hub on the second shaft is transmitted to the sleeve bearing in the first shaft and the total thrust of both hubs is transmitted to the sleeve bearing in the bulkhead.

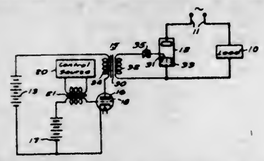
2,495,170
MICROWAVE HEATING OF DIELECTRIC MATERIALS
Theodore P. Kinn, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 4, 1946, Serial No. 701,307
12 Claims. (Cl. 219—47)



1. A method of heating a discrete piece of dielectric material with microwave energy, which comprises placing a part of the material only inside a chamber excitable with microwave energy, electrically exciting said chamber to provide an electric field in said chamber having maximum and minimum voltage points, and rotating the material to move different parts of the material successively through said maximum and minimum points of said field.

2,495,171
IGNITOR FIRING CIRCUIT
Philip M. La Hue, Denver, Colo., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1948, Serial No. 30,493
2 Claims. (Cl. 315—272)

1. A control system for a vapor-electric valve having an ignitor electrode comprising a source of electric current, an impulsing circuit connected to be energized from said source, said circuit including an iron-cored reactor and a grid-controlled high-vacuum electron valve connected in series with said source, connections for applying a biasing potential to the grid of said valve means for periodically applying an impulse to said grid to release the valve for a predetermined interval, a second winding associated with said iron core and



connections including a unidirectional conductor applying the potential of said second winding to said ignitor electrode.

2,495,172
SYNTHETIC WIRE ENAMELS AND CONDUCTORS INSULATED THEREWITH
Charles B. Leape, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1946, Serial No. 657,554
14 Claims. (Cl. 174—121)

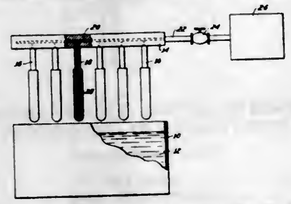


1. The resinous reaction product derived by heating from 4.25 to 5.9 moles of an unsaturated acidic compound selected from the group consisting of maleic acid, fumaric acid, maleic anhydride and the monomethyl substitution derivatives for the non-carboxyl hydrogen thereof, from 1 to 2.4 moles of adipic acid, from 1 to 2.4 moles of succinic acid, the three acidic ingredients totaling from 7.2 to 8.8 moles, from 2.1 to 2.65 moles of hydrocarbon primary diamine having from 2 to 3 carbon atoms per molecule, and from 5 to 6.75 moles of saturated glycol having no other reactive groups than the hydroxyl groups, the total moles of diamine and glycol being substantially equal to at least the moles of the acidic ingredients, the reaction product having a ball and ring temperature of from 50° C. to 90° C.

12. An article of manufacture comprising an electrical conductor, a layer of fibrous material applied to the conductor and a coating applied to impregnate at least a part of the fibrous material, the coating comprising the resinous reaction product derived by heating from 5 to 5.75 moles of maleic anhydride, from 1.2 to 1.5 moles of succinic acid, from 1.2 to 1.5 moles of adipic acid, the three acidic ingredients totaling substantially 8 moles, from 2.1 to 2.65 moles of ethylene diamine and from 5 to 6.75 moles of ethylene glycol, the ethylene diamine and glycol totaling at least 8 moles.

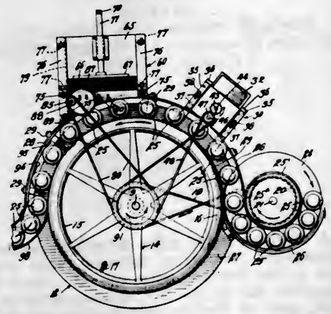
2,495,173
NONCRYSTALLINE SYNTHETIC RESIN HOLDER
Charles B. Leape, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1947, Serial No. 755,752
2 Claims. (Cl. 250—51)

1. A holder suitable for holding samples for X-ray diffraction tests comprising a thin walled cylindrical member having a longitudinal passage for receiving a material, the walls of the cylindrical member being composed of a substantially non-crystalline resin when observed on X-ray diffraction tests, the resin being composed of the heat cured resinous reaction product of from 4.25 to 5.9 moles of an unsaturated acidic compound selected from the group consisting of maleic acid, fumaric acid, maleic anhydride and the monomethyl substitution derivatives for the non-carboxyl hydrogen thereof, from 4.8 to 2 moles of a mixture of saturated hydrocarbon aliphatic dicarboxylic acids having an average of from 2 to 3½ non-carboxyl carbon atoms per acid molecule selected from the group consisting of saturated aliphatic dicarboxylic acids having from 1 to 12 non-carboxyl carbon atoms, the saturated



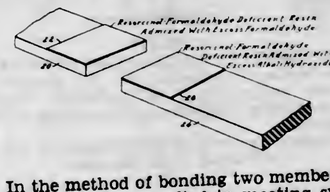
dicarboxylic aliphatic acids composed of at least 25 mole-percent of succinic acid, the moles of the acidic ingredients totaling from 7.2 to 8.8, from 2.1 to 2.65 moles of aliphatic hydrocarbon primary diamine, the aliphatic diamine having an average of from 2 to 3 carbon atoms per molecule, and from 5 to 6.75 moles of a mixture of aliphatic polyhydric alcohols having no other reactive groups than the hydroxyl groups, the major proportion of the polyhydric alcohol mixture being glycol, the total moles of aliphatic diamine and polyhydric alcohol substantially equal to at least the moles of the acidic ingredients but not in excess of ⅛ of the moles of the latter.

2,495,174
LABELING MACHINE
John D. McClatchie, Middletown, N. Y.
Application May 9, 1947, Serial No. 747,085
7 Claims. (Cl. 216—44)



2. In a labelling machine, a rotating wheel having a flexible tire mounted around its rim, guides spaced equidistant from the periphery of said wheel and forming a channel between them and said wheel, said channel extending partly around the wheel, a rotating disk for feeding containers to said channel where the same are engaged by the wheel and caused to roll along the guides and within the channel, means for applying a label pick-up adhesive to the containers, said means including a rotating cylinder over which a film of adhesive is caused to flow and including a rotating shaft having disks contacting with the cylinder to receive adhesive therefrom and transferring said adhesive to the containers as the same are rotated past said rollers, a label magazine for holding a stack of labels and presenting one end portion of each label to a container as each container passes through the machine, a paste-applying means for the labels including a paste container having a tube extending from it, said tube having an aperture in one of its walls, a helical rotating member in said tube and extending into the paste container for the purpose of feeding paste from the paste container to the opening into the tube and against labels successively disposed thereover.

2,495,175
POLYHYDROXYBENZENE - FORMALDEHYDE ADHESIVE AND PROCESS OF PREPARING AND EMPLOYING SAME
Fritz J. Nagel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1947, Serial No. 731,518
7 Claims. (Cl. 154—140)

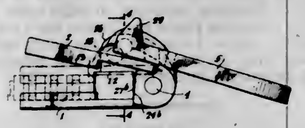


5. In the method of bonding two members with a resinous adhesive applied to meeting surfaces of the members, the steps comprising applying to the meeting surfaces of both of the members a layer of the resinous reaction product of 1 mole of resorcinol and from 0.5 to 0.8 mole of paraformaldehyde partially reacted under substantially anhydrous conditions to a solvent soluble thermoplastic stage in methanol in an amount equal to at least 25% of the weight of the entire reaction mixture in the presence of an alkaline catalyst in an amount equal to from 0.01% to 1% of the weight of the resorcinol, including in the layer of reaction product on one meeting surface sufficient aldehyde selected from the group consisting of formaldehyde and polymers of formaldehyde, to supply a total of from 0.9 to 1.5 moles of aldehyde per mole of resorcinol in both layers of the reaction product, and including in the other layer of reaction product sufficient hydroxide selected from the group consisting of alkali metal and alkaline earth metal hydroxides to provide from 0.2% to 10% thereof based on the weight of the reaction product in the layer, and bringing the alkali containing and added formaldehyde containing layers into contact with each other whereby they become mutually reactive to produce a thermoset resinous product.

2,495,176
REVERSIBLE SLIDER FOR SLIDE FASTENERS
Hans G. Nissen, New York, N. Y., assignor, by mesne assignments, to Zip-Clip Zipper Corp., a corporation of New York
Application February 1, 1946, Serial No. 644,934
7 Claims. (Cl. 24—205.14)

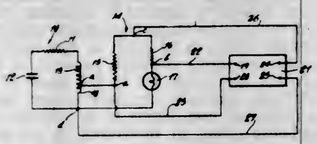
1. A removable slider device of the class described comprising the combination of front wall and back wall members pivotally secured to-

gether and adapted to be positioned at opposite sides of a row of fastener elements, an apertured projection on each of said wall members, a tab member connected with one of said wall members, a locking pin carried by said tab member normally extending into said apertures of the wall member projections and retaining said front and back wall members in adjoining relationship, a cam surface carried by said tab member spaced



from said locking pin and movable into contact with the projection of one of said wall members, movement of said tab member in one direction being effective to place the cam surface thereof into contact with the projection on one of said wall members and to move the locking pin out of said apertures and thereby permit pivotal movement of the front and wall members to open relationship.

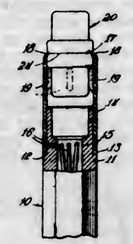
2,495,177
HIGH STABILITY OSCILLATOR GENERATOR
Leslie Norde, Hempstead, N. Y., assignor, by mesne assignments, to Jefferson Standard Broadcasting Company, a corporation of North Carolina
Application January 18, 1946, Serial No. 641,941
2 Claims. (Cl. 250—36)



1. A high stability oscillator including a high gain amplifier, an LCR circuit comprising a resistance, an inductance and a capacitance forming a series closed resonant loop, a bridge comprising a first resistance arm, a second resistance arm, a third resistance arm, and a fourth arm constituted of a portion of the inductance of said LCR circuit, said third resistance having a predetermined resistance variation with temperature variation, said amplifier having one input terminal connected to the junction between said first resistance and said bridge inductance arm, and the other input terminal being connected to the junction between said second resistor and said third resistor, said amplifier also having one output terminal connected to the junction between said first and second resistors and the other output terminal connected to the junction between said third resistor and said bridge inductance arm.

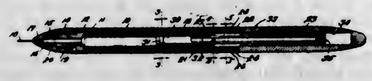
2,495,178
ERASER FOR WRITING INSTRUMENTS
Clarence F. Norlin, Chicago, Ill.
Application May 29, 1947, Serial No. 751,399
1 Claim. (Cl. 120—38)

In an eraser holder for pencils, a sleeve having telescopic relation with the pencil, said sleeve having an upper inturned eraser gripping lip and inwardly directed shoulders spaced below said lip, in combination with an eraser having a medial metal band with an inwardly directed groove re-



ceiving said lip and with the lower portion of said eraser braced laterally by said shoulders.

2,495,179
FOUNTAIN PEN
Lewis A. Paul, Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application April 8, 1947, Serial No. 740,055
2 Claims. (Cl. 120—44)



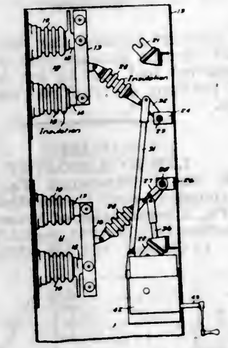
1. A capillary pen comprising an ink barrel and a capillary tubular writing point mounted on the end of said barrel in communication with the interior of the barrel and having an exposed capillary annular bearing edge of substantially semi-toroidal cross section for laying a capillary flow line of ink on a surface engaged thereby.

2,495,180
BINDER
Edwin M. Phillips, East Orange, N. J.
Application December 17, 1945, Serial No. 635,503
6 Claims. (Cl. 129—1)



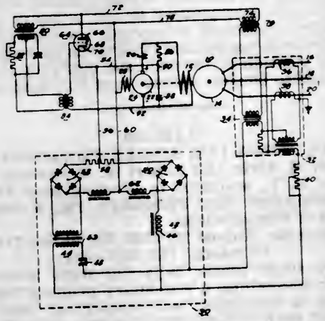
2. A binder of the class described comprising an elongated mounting member, said member having a flat bottom with alined raised flange portions at 90° to the bottom at opposite sides thereof, one of the flanges having an integral ring-forming member extending therefrom, the other of said flanges being apertured to receive the free end portion of said member in forming a ring member on said mounting between said flanges, the free end portion of said member being adapted to seat flatly on the inner surface of said mounting between said flanges, and yieldable means on said ring member inwardly of said free end portion and engaging the inner surface of said apertured flange in retaining the ring member in ring formation on said mounting member.

2,495,181
DISCONNECT SWITCH
Paul R. Pierson, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1947, Serial No. 751,161
8 Claims. (Cl. 200—5)



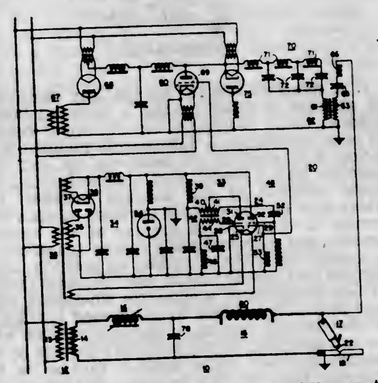
1. In a switchgear structure, in combination, a plurality of disconnect switches, a main shaft, crank means for rotating said shaft, a plurality of actuating means for opening and closing said switches, lever means for selectively connecting said actuating means to said main shaft to operate preselected switches independently of the other switches, and bolt means cooperating with said lever means for selectively locking said switches in predetermined positions.

2,495,182
REGULATING SYSTEM
Jack E. Reilly, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 9, 1947, Serial No. 721,075
5 Claims. (Cl. 323—107)



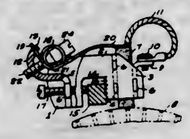
1. In a regulating system for maintaining an electrical condition of a predetermined value on a power line having a synchronous condenser connected thereto, in combination, means disposed to be operated to control the excitation of the synchronous condenser, means disposed to be energized to control the operation of the control means, means for connecting the energizable means to the power line to directionally control the energization thereof in accordance with the departure of the electrical condition from said predetermined value, an electric discharge valve disposed to connect the energizable means to a source of energy, and means connected to the control means to provide a source of direct current voltage dependent upon the operation of the control means to render the valve conducting under predetermined operating conditions of the control means thereby to effect the energization of the energizable means in a predetermined manner to prevent a decrease in the excitation of the synchronous condenser below a predetermined value.

2,495,183
ARC WELDING APPARATUS
William L. Roberts, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1948, Serial No. 58,135
11 Claims. (Cl. 315—246)



1. The combination with an arc welding system comprising circuit means disposed to effect a supply of continuous welding current to an arc circuit including an electrode and work upon which a welding operation is to be performed, of a pulse generator having a gaseous discharge device disposed to be triggered to produce periodic impulses of direct current coupled to the arc circuit, and control means including an oscillator of the relaxation type connected to trigger the pulse generator.

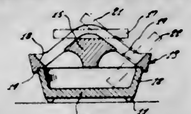
2,495,184
BRUSH HOLDER
John W. Samselius, Eggertsville, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1948, Serial No. 34,017
4 Claims. (Cl. 171—324)



1. A brushholder for a dynamo-electric machine, said brushholder comprising two spaced, parallel side plates, three transverse plates disposed between said side plates and spacing the side plates apart, two of said transverse plates being adjacent one end of the side plates and being spaced apart to form a box for reception

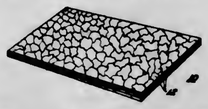
of a brush; the third of the transverse plates being adjacent the other end of the side plates, a spring member having a helical portion and a portion extending over said box to engage a brush therein, the spring member also having an oppositely extending end portion engaging the third transverse plate, a clamping member within the helical portion of the spring member, and adjustable means for securing the clamping member to the third transverse plate to adjustably retain the spring member in position.

2,495,185
SAFETY ASH TRAY
William Schmitt, Reno, Nev.
Application December 26, 1947, Serial No. 794,059
2 Claims. (Cl. 131—240)



1. A cigarette rest for an ash tray comprising an annular member having a rabbeted bottom adapted to be positioned on the upper edge of an open receptacle, a downwardly inclined inner facing wall surface for receiving an end of a cigarette and a bridge part connecting two opposite portions of the annular member, said bridge part having surface portions substantially normal to the inclined surface of the annular member and disconnectedly spaced therefrom in an upward direction providing an opening therebetween and having one or more recesses therein for the reception of a cigarette whereby a cigarette may rest entirely in a recessed portion or a cigarette may rest in an inclined position with one end abutting the inclined wall surface of the annular member while another portion of the cigarette rests on the inclined surface of the bridge part.

2,495,186
RESINOUS COMPOSITION AND HEATER PLATE MICA INSULATION PRODUCED THEREWITH
Earl L. Schulman, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1947, Serial No. 794,612
4 Claims. (Cl. 154—2.6)



1. Built up mica sheet comprising, in combination, mica flakes and a binder in an amount of from 2% to 4% of the weight of the mica flakes applied thereto, the binder composed of from 65% to 90% by weight of shellac, 5% to 20% by weight of castor oil, and 5% to 15% by weight of pine wood resin substantially insoluble in petroleum hydrocarbons.

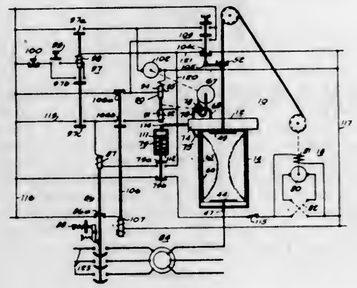
2,495,187
REINFORCED FABRIC STRAP
Irving Shames, Brooklyn, N. Y.
Application March 4, 1947, Serial No. 732,322
2 Claims. (Cl. 2—338)

1. As an article of manufacture, a strap having substantially flat outer side faces and comprising a web folded longitudinally substantially centrally of its side edges, and the side portions folded inwardly into the longitudinal fold, the layers of material lying flat one against the other, the first longitudinal fold and the folds of



the side portions forming the side edges of the strap, and strands engaged and secured in the first mentioned fold and in the fold of one of said side portions to reinforce the strap at its side edges.

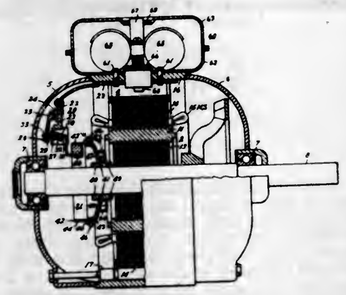
2,495,188
LIQUID RHEOSTAT
George R. Shaw, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1948, Serial No. 39,319
16 Claims. (Cl. 318—349)



15. A liquid rheostat comprising, a container for an electrolyte, fixed and movable electrode members in said container, a motor connected in driving relation with the movable electrode member, a flexible liner disposed within the container to provide an annular chamber, fluid means controlling the pressure in said annular chamber, switch means responsive to the pressure in said chamber connected to control the operation of the electrode motor, and control means responsive to the position of the movable electrode member disposed to control operation of the fluid means.

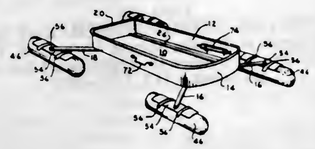
2,495,189
CONDUIT BOX FOR SINGLE-PHASE MOTORS
Joseph M. Stein and Robert W. Egglestone, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 28, 1947, Serial No. 771,043
3 Claims. (Cl. 318—221)

3. A single-phase capacitor-start induction-motor, comprising a stationary primary member having a removable end-bracket at each end thereof, each end-bracket having a centrally disposed bearing, a shaft supported in said bearings, and a rotor-member carried by said shaft; said stationary primary member having a cylindrical stator-frame, a stator-core, and main and starting windings carried by said stator core; said stator-core being made with square punchings having rounded corners which fit within the cylindrical stator-frame, thus providing four axially extending ventilating-spaces between the flat sides of the punchings and the cylindrical stator-frame; a conduit-box mounted externally on said stationary primary member for the terminals of said main and standing windings; said conduit-box being secured against the outer surface of the cylindrical stator-frame in a position corresponding to the position of one of said axially extending ventilating-spaces; an electrostatic capacitor-means also mounted within said conduit-box for series connection to said starting



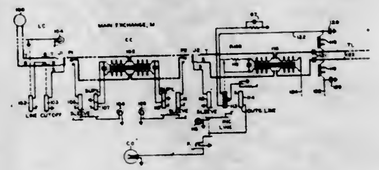
winding; and a thermal protective device also mounted within said conduit-box for protecting the motor against excessive temperatures, said thermal protective device being seated within a hole in said cylindrical stator-frame in reasonably intimate thermal relation thereto, so as to be responsive to the temperature of the frame, while also projecting into said axial ventilating-space, thus also clearing the square stator-core.

2,495,190
FOLDING CATAMARAN
Robert H. Stewart, Detroit, Mich.
Application January 28, 1948, Serial No. 4,861
8 Claims. (Cl. 9—1)



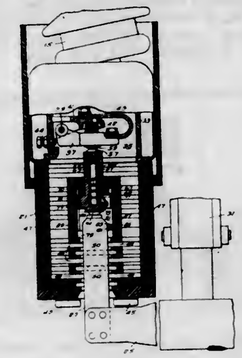
5. A catamaran comprising, in combination, an occupant receiving body, a substantially horizontally extending leg associated with each corner of the body and in operating position projecting outwardly therefrom, means pivotally connecting the inner ends of said legs to the underside of said body and providing swinging movement of the legs from their projecting operating position to an inoperative folded position under the body, a float secured to the outer end of each leg and cooperating together to support the body in elevated position above the surface level of the body of water upon which the floats rest, means cooperating between the body and each leg for holding the leg in its outward projecting operating position, and means cooperating between the body and one or more of said legs for releasably holding the legs in their folded position under the body.

2,495,191
STRING-OF-EXCHANGES TELEPHONE SYSTEM
Bert A. Wallace, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1946, Serial No. 688,037
13 Claims. (Cl. 179—27)



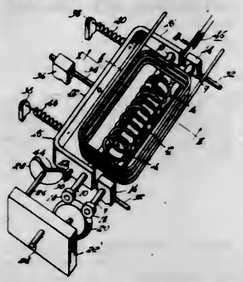
1. In a multi-exchange telephone system, a two-way trunk line extending in common between a first exchange and a plurality of other exchanges, means in any said exchange for taking the common trunk line for use, and means responsive thereto for marking the trunk line busy in each other said exchange, the last-named means including two mutually independent telegraph channels and means for signalling over one or over both depending upon the exchange at which the common trunk line is taken for use.

2,495,192
SNAP ACTION CIRCUIT CLOSER
Josephine R. Webb, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1945, Serial No. 627,496
14 Claims. (Cl. 200—78)



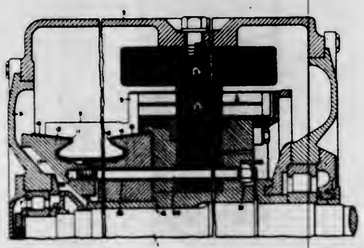
1. In a circuit interrupter, relatively movable contact means comprising a pressure contact, a movable contact operable to effect closure of said contact means, extensible contact means disposed for longitudinal movement between said pressure contact and said movable contact, means for operating said movable contact to close said contact means, and means releasable during closing movement of said movable contact for effecting high speed elongation of said extensible contact means to effect closure of said contact means at a speed independent of the closing speed of the movable contact.

2,495,193
INDUCTION HEATING APPARATUS
William F. Wells, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1946, Serial No. 676,912
3 Claims. (Cl. 219—13)



1. Induction heating apparatus suitable for heating a helical spring having shorted end-turns, comprising a helical induction heating coil generally rectangular in a substantially horizontal cross-sectional plane, said coil having an upstanding axis and comprising substantially straight opposite turn-sides, a pair of elongated substantially straight horizontal rollers under said coil substantially parallel to a pair of said opposite turn-sides, said rollers being continuous in length for a major part of the length of each of the last said turn-sides and adapted to support a helical spring with its axis parallel to said turn-sides.

2,495,194
THROUGH BOLT COMMUTATOR
Willard L. Wright, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 13, 1948, Serial No. 54,296
2 Claims. (Cl. 171—321)



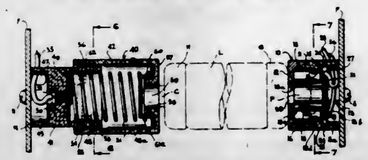
1. A dynamo-electric machine comprising a rotatable shaft, an armature-core carried by said shaft, an armature-winding carried by said armature-core, and a cylindrical-surfaced commutator-member carried by said shaft in front of said armature-core, said commutator-member comprising segmental commutator-bars connected at their rear ends to said armature-winding, each commutator-bar having a front V-groove and a rear V-groove therein, a front V-ring and a rear V-ring disposed in positions to enter the front and rear V-grooves, respectively, of the assembled commutator-bars, an intermediate shoulder-means carried by the shaft for forming an abutment for the rear end of the rear V-ring, a rear-end shoulder-means carried by the shaft to the rear of the armature-core, and a plurality of through-bolts extending axially between the rear-end shoulder-means and the front V-ring for clamping said V-rings in commutator-holding position.

2,495,195
SPLASH GUARD
Raymond F. Denzer, Attleboro, Mass.
Application June 17, 1947, Serial No. 755,211
3 Claims. (Cl. 36—70)



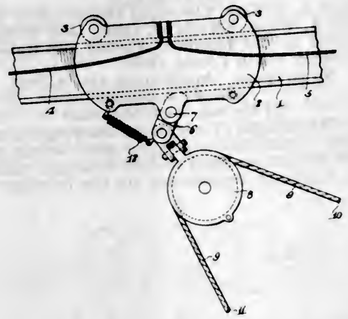
1. A leg protecting splash guard for shoes, comprising a thin integral sheet of resilient plastic material having a U-shaped upper end, having a transversely concaved inner shoe horn arm adapted to be interposed between the shoe heel upper and the back of the wearer's heel, a U base looped over the upper edge of the heel upper and a shorter, outer U arm projecting downwardly from said loop over the heel upper at a closely spaced distance from said inner horn arm forming a hook for hanging said guard on the upper edge of the heel portion of the shoe upper terminating in a thinner, transversely grooved portion forming a line of flexure and an integral semiskirt portion projecting obliquely downwardly and outwardly a substantial distance from said thin portion in semielliptical formation of an ordinate slightly greater than the width of the shoe with the angle of its wall increasing to a substantial angle at the rear focus of the ellipse and having an outwardly flaring bell rim to form a dam to prevent drops from being thrown upwardly by the heel in walking and being capable of resiliently bending at the line of flexure to prevent abutment of a raised heel against an object in walking from tripping the wearer.

2,495,196
HOLDER FOR GASEOUS DISCHARGE LAMPS
Eugene R. Kulka, Mount Vernon, N. Y.
Application December 18, 1948, Serial No. 66,065
8 Claims. (Cl. 173—328)



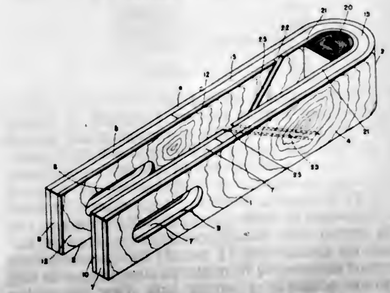
1. For use in holding one end of a lamp which has respective external and parallel and longitudinally-alined and conductive contact heads, a casing made of insulating material and comprising a base, a hollow member which is telescopically slidable over said base, and an internal conductive spring which biases said hollow member away from said base, said hollow member having at least one longitudinal inlet-opening, and a contact member which is fixed over said inlet opening in a position to contact with a respective inserted contact head of the lamp, said base having a conductive terminal, said spring touching the conductive terminal at one end and the contact member at the other end.

2,495,197
DRAG SCRAPER EQUIPMENT
Cletus C. McMullen, Havertown, Pa., assignor to Beaumont Birch Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 13, 1946, Serial No. 716,065
1 Claim. (Cl. 104—93)



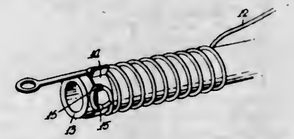
In a material handling system, a trolley, a relatively fixed guide and support track for the trolley having opposed longitudinally extending bearing surfaces, roller means on said trolley for rotatable engagement with one of said bearing surfaces of the guide track, a clamp lever pivotally mounted upon said trolley, said lever having a pair of oppositely extending arms one of which is adapted to directly bear against and frictionally engage the other of said guide track bearing surfaces, a pulley-block pivotally secured to the other of said lever arms and having associated therewith means for imposing a load upon said trolley through the intervention of said clamp lever and to cause the latter upon imposition of said load to automatically lock the trolley in fixed position upon the track, and spring means operative upon the last-mentioned arm of the clamp lever to release the trolley for movement along the track automatically upon release of the load upon the trolley.

2,495,198
CUSHION LUG STRAP
J. Edgar Moe, Danielson, Conn., assignor to The Bullard Clark Company, Danielson, Conn., a corporation of Connecticut
Application February 15, 1949, Serial No. 76,600
2 Claims. (Cl. 139—153)



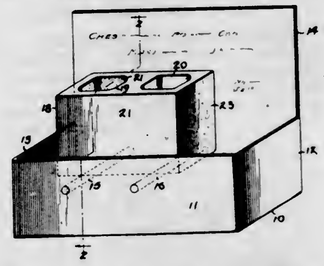
1. A lug strap of the kind described, comprising a heel plug and U-shaped arms formed of a plurality of widthwise layers, the outermost layer being of relatively inflexible material and extending continuously lengthwise of the arms and the heel of the U-shaped portion, the inner layer being of relatively inflexible material and consisting of three portions, said layers enclosing a relatively resilient layer extending around the heel and along the side arms, together with a heel plug fitted within the innermost layer extending around the heel portion, the two innermost portions being spaced along slanting lines between the heel plug and the ends of the open arms.

2,495,199
ELECTRICAL RESISTOR AND HIGH-RESISTANCE CARBON COMPOSITION AND RESISTANCE ELEMENT THEREFOR
Leon Podolsky, Pittsfield, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application October 19, 1945, Serial No. 623,255
6 Claims. (Cl. 201—75)



1. A flexible electrically-conductive composition of matter having high ohmic resistance, consisting of a dispersion in a silicone resin of a powdered mixture composed of carbon and molybdenum sulphide, the carbon constituting at least 90% of the mixture.

2,495,200
DEMONSTRATION DEVICE AND PACKAGE
William H. Sands, Gambrills, Md., assignor to The Gambrills Company, Inc., Gambrills, Md., a corporation of Maryland
Application May 19, 1948, Serial No. 27,904
1 Claim. (Cl. 35—50)



A display demonstration assembly for masonry paint comprising a container for fluid, support means carried by said container and positioned to support a cinder block above and spaced from the bottom of said container, a porous cinder-block, having two channels, positioned on said support means and protruding from said container, plug means closing the bottoms of said channels, the walls of one of said channels and the front wall of said block being coated with a masonry paint to be demonstrated, the back wall of said container extending above the cinder block positioned on said support means whereby fluid may be poured into said channels and permitted to run through the unpainted porous

portions of said block, the painted front wall of said block and the upwardly extending back wall of said container acting to direct the flowing fluid into the container and eliminate splash, said coated channel retaining the fluid without noticeable loss.

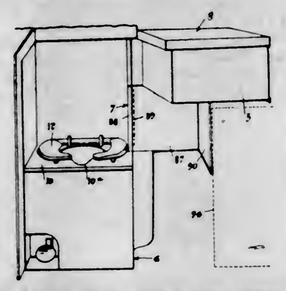
2,495,201

WASHBASIN AND TOILET BOWL ASSEMBLY

Robert Snowball, Montreal, Quebec, Canada, assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada

Application March 7, 1947, Serial No. 732,977

4 Claims. (Cl. 4—3)



1. A wash basin and toilet bowl assembly comprising a stationary toilet bowl, a wash basin mounted to swing about a vertical axis from a position directly above to a position at one side of the toilet bowl, a stationary cabinet section enclosing said toilet bowl, a movable cabinet section enclosing said wash basin and swingable therewith about said axis, and an intermediate cabinet section interposed between the first mentioned cabinet sections, said intermediate cabinet section having its front wall mounted to swing with the upper cabinet section but about a different vertical axis.

2,495,202

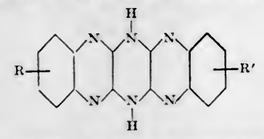
HETEROCYCLIC FLUORESCENT COLORING MATERIALS

Joseph L. Switzer, Cleveland Heights, and Richard A. Ward, Cleveland, Ohio; said Ward assignor to said Joseph L. Switzer and Robert C. Switzer, South Euclid, Ohio

No Drawing. Application July 9, 1945, Serial No. 604,096

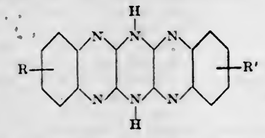
14 Claims. (Cl. 260—250)

1. The process of preparing coloring materials having water-stable positive ions which comprises adding an alkyl radical to a ring nitrogen of a substance represented by the formula:



in which I and R′ consist of hydrogen and hydroxyl and sulfo substituents for hydrogen.

8. As a composition of matter, alkyl quaternary salts containing the nucleus represented by the formula

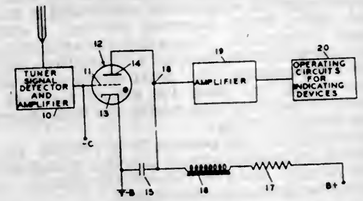


in which R and R′ consist of hydrogen and hydroxyl and sulfo substituents for hydrogen.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

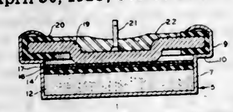
609,647. **RADIO CIRCUITS.** Paul H. Reedy, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Filed Aug. 8, 1945. Published Jan. 17, 1950. Class 250—27. Two sheets of drawings.



In a pulse triggered radio receiving circuit including a tuner signal detector and clipping amplifier the output terminal of which is connected to the grid of a gas tube normally biased in a non-conducting condition, the anode of said gas tube is connected, through a capacitor and a load in parallel to the cathode, and through inductive impedance and resistance to the positive terminal of a supply source having its negative terminal connected to ground, the time constant of said resistor and capacitor being of the same order as the pulse repetition rate at the high end of the desired range, the inductance being of such value as to make the natural frequency of the series circuit no more than half the pulse repetition frequency at the low end of the desired range.

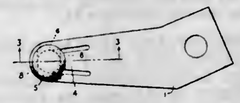
627,080. **PRIMARY CELLS.** William F. Nye, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Filed Nov. 6, 1945. Published Jan. 17, 1950. Class 136—107. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)



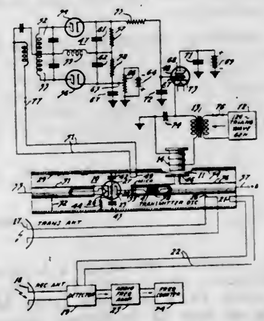
The disclosure relates to a primary cell illustrated in Figure 1 having a non-magnetic, austenitic stainless steel container **5**, such as 18% chromium, 8% nickel and austenite, holding a depolarizing cathode **12** comprising a body of compressed finely divided or powdered mixture of mercuric oxide and graphite, a barrier **14** of porous or permeable material, such as polyvinyl alcohol or carboxymethylcellulose, two layers of absorbent material **16** and **17** containing an electrolyte of an aqueous solution of potassium hydroxide saturated with zinc oxide, a metallic cover and anode of zinc **19** which fits tightly in a channeled rubber sealing ring **20**, a flexible terminal **21** and an insulating compound **22**.

637,712. **ELECTRICAL BRUSH CONTACT MEMBER.** Arthur P. Adamson, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York. Filed Dec. 28, 1945. Published Jan. 17, 1950. Class 200—166. One sheet of drawings.



This application is directed to an electrical brush contact member including a small contact button element of carbonaceous material supported on a bronze spring mounting member **1** having an opening formed therethrough with an arcuate end and a flexible spring tongue **4** integral with the supporting member **1** and extending towards the arcuate end. The contact is formed with a substantially circular head portion **5** integrally secured to a shank **6** having a length substantially equal to the thickness of the bronze spring with a pair of transversely extending flanges formed on the other end of the shank. This contact element is adapted to be secured to the mounting member by the arrangement of the two flanges on one side of the opening and the head arranged on the other side of the opening formed in the flexible bronze mounting member and is constructed to be readily replaced by turning the flanges to one side and biasing the contact element out of the mounting member by depression of the spring tongue **4** which engages one side of the shank.

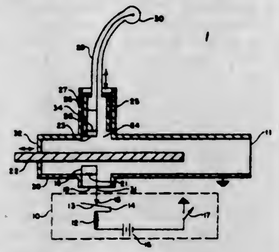
642,934. **FREQUENCY CONTROLLED F. M. ALTIMETER.** Harry Kihn, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Jan. 23, 1946. Published Jan. 17, 1950. Class 343—14. One sheet of drawings.



A radio altimeter is disclosed, in which a frequency modulated wave is obtained from oscillator **10** and radiated from directional antenna

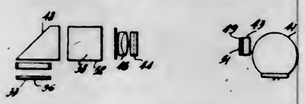
17. The reflected wave is picked up by antenna 18 and is beat with a wave from said oscillator 10 to produce a beat frequency indication and therefore a distance indication in frequency counter 24. The oscillator 10 comprises a grounded grid lighthouse tube 26, to which is connected the cathode-grid concentric line tuning means 31, 29 and the anode-grid concentric line tuning means 36, 34. The frequency of the oscillations produced is varied by vibrating diaphragm 11, which comprises part of line 34, with respect to capacitor plate 46, which is connected to line 36, by source 12. The center frequency of said oscillations is adjusted by varying the steady current through electromagnet 14 by adjusting at 66 the bias applied to tube 48. The said center frequency is kept constant by applying waves from said oscillator 10 to a frequency modulation discriminator 47 and by applying the output thereof as additional bias to said tube 48.

651,933. **MICROWAVE SIGNAL GENERATOR.** John F. Byrne, Mineola, N. Y., and Albert M. Eames, Jr., Lexington, Mass., assignors to the United States of America as represented by the Secretary of War. Filed Mar. 4, 1946. Published Jan. 17, 1950. Class 250—36-13.2. Two sheets of drawings.



A microwave signal generator including a coaxial cavity resonator having therein a coupling loop which is connected in series with a buzzer circuit including an armature biased to closed position and a direct current source. Harmonics of the buzzer frequency are induced in the coupling loop through operation of the armature to cause the cavity to oscillate in damped pulses of radio frequency waves. Voltage waves in the microwave range are picked up by a second coupling loop in the cavity while a resistor is connected in shunt with the first loop to damp out spurious oscillations.

665,933. **OPTICAL SYSTEM.** George H. Goble, Haddon Heights, N. J., and Lawrence T. Sachtleben, Indianapolis, Ind., assignors to Radio Corporation of America, a corporation of Delaware. Filed Apr. 30, 1946. Published Jan. 17, 1950. Class 88—16.8. One sheet of drawings.



There is shown in the figure a facsimile tape scanner having a light source 41, a lens system, a rotory prism 38, a directing prism 43, and a paper strip or tape 33 exhibiting characters 36 which are to be scanned by the focussed beam of light produced by the optical system. The prism 38 is mounted so that it turns on an axis coinciding with the intersection of the axes of its opposed active faces. Rotation of the prism 38 and longitudinal movement of the tape 33 are correlated in any suitable manner so as to provide scanning of the surface of the tape.

Each of the opposed surfaces of the prism 38 is in the form of a weak positive lens thereby avoiding defocussing of the scanning light spot.

682,917. **PROCESS OF MODIFYING THE ASPECT OF FIBROUS MATERIALS.** Luzius Schibler, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland. Filed July 11, 1946. Published Jan. 17, 1950. Class 117—161. No drawings.

This application discloses a process for modifyfying the aspect of fibrous material, which comprises impregnating the fibrous material with an aqueous pigment suspension containing a single liquid phase, finely dispersed pigment, a water-soluble hardenable formaldehyde-aminoplastic resin precondensate and, as a protective colloid, a soluble caseinate, the total amount of solid matter being less than 100 grams per liter of aqueous suspension, and drying the thus-impregnated fibrous material.

According to this process it is possible to fix pigments on textiles almost without modification of the porosity and feel thereof, the pigment suspensions being surprisingly stable.

701,936. **RADIO NAVIGATING SYSTEM.** David L. Shapiro, Kew Gardens, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois. Filed Oct. 8, 1946. Published Jan. 17, 1950. Class 343—15. Three sheets of drawings.



An airplane guiding system giving the direction of travel of an aircraft with respect to a given course and also the distance of the craft to a datum point is disclosed. Three transponders 1, 2 and 3, each of which transmits a pulse upon receipt thereby of a pulse are located so that the difference in distance between a craft 12 on the given course 21 and transponders 1 and 2 is the same as the difference in distance between said craft and transponders 2 and 3, and further, transponder 2 is on the opposite side of the path 21 from transponders 1 and 3. Transponder 2 transmits a pulse of greater amplitude than transponder 1 and transponder 3 transmits a pulse of greater amplitude than transponder 2. The aircraft carries a pulse transmitter and receiver and a cathode ray tube which displays the relation of the received pulses from transponders 1, 2 and 3 to the locally transmitted pulse and to each other. If said display shows the three received pulses to be equally spaced and increasing in amplitude, the aircraft carrying it is on the given course. The distance between the indication of the locally transmitted pulse and the received pulse indicates distance between the aircraft and the transponder. In a modification, the receiver of the aircraft installation is blocked except for a short period after the transmitter on said craft transmits a pulse, whereby only those

pulses from transponders 1, 2 and 3 sent out due to transmission of pulses from this particular aircraft are shown on the cathode ray tube thereof.

704,113. **RECEIVING ARRANGEMENT.** Leonard J. Rennenkampf, Jackson Heights, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois. Filed Oct. 18, 1946. Published Jan. 17, 1950. Class 343—11. Three sheets of drawings.

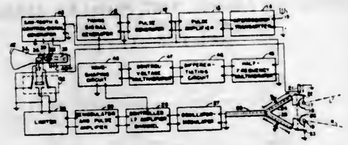
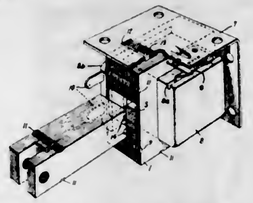


Fig. 1 represents a receiving arrangement for displaying the direction and range of an object in space. Directive antennas 17 and 19 have partially overlapping directional characteristics and receive reflected pulses in a conventional manner. These antennas are alternately coupled through relay contacts 22 and 23 to the receiver including units 27, 28, 29 and 30. A relay 32 is operated synchronously with relay contacts 22, 23 to provide horizontal deflection of the beam of tube 33, deflection on one side of a vertical line on the face of the tube being used for one of the antennas 17, 19 and deflection on the other side of the same vertical line for the other of these antennas. Units 45, 46, 47 and 48, which are controlled by timing generator 11, control the gain of amplifier 28 so that alternate groups of signals translated through that amplifier are applied to the electrodes 36 and 37 of tube 33 without limiting their amplitude. The other groups of signals are subjected to very high gain in amplifier 28 and are limited by limiter 30 before application to the electrodes of tube 33. The display on tube 33 of the direction of the object from the receiver is conventional. The display of range, using only signals translated through amplifier 28 and limiter 30 has a regular, unchanging rectangular wave form shape for signals of all ranges, providing a highly accurate and easily readable distance indication on the face of the tube.

755,368. **ELECTROMAGNETIC STRUCTURE.** George B. Holland, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed June 18, 1947. Published Jan. 17, 1950. Class 175—338.2. One sheet of drawings.

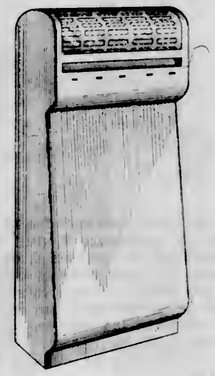


Discloses an electromagnet frame 1 cooperable with a movable armature 2, and in which the laminations of the frame and armature are held together solely by a plurality of transverse welds 11 across the edges of the laminations. The welds are of deeper penetration in the end than in the intermediate laminations, and L-shaped base 7 having a transverse slot 12 is welded to the frame laminations by a weld 13 along one edge of the slot.

DESIGNS

JANUARY 17, 1950

156,861
CONFECTION VENDING MACHINE
George Babcock, Chicago, Ill., assignor to Wm. Wrigley Jr. Company, a corporation of Delaware
Application July 25, 1946, Serial No. 131,921
Term of patent 14 years
(Cl. D52—3)



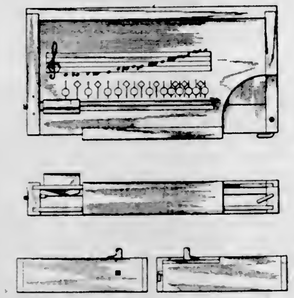
The ornamental design for a confection vending machine, as shown and described.

156,862
SWEATER
Hans Boepple, New York, N. Y.
Application March 1, 1949, Serial No. 1,141
Term of patent 7 years
(Cl. D3—4)



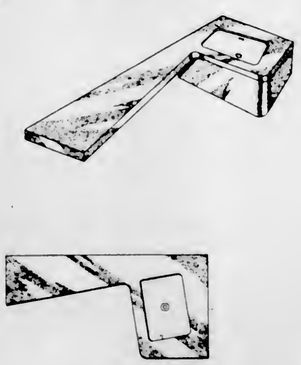
The ornamental design for a sweater, substantially as shown and described.

156,863
MUSICAL TOY
Teofil L. Bonkowski and Harry Solloway, Los Angeles, Calif.
Application June 20, 1947, Serial No. 139,842
Term of patent 3½ years
(Cl. D25—1)



The ornamental design for a musical toy, substantially as shown.

156,864
WASHBASIN AND DRESSING TABLE UNIT FOR BATHROOMS
William S. Brown, Rye, and Wayne A. Soverns, Mount Vernon, N. Y., assignors to Thos. Emery's Sons, Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application June 26, 1948, Serial No. 147,216
Term of patent 14 years
(Cl. D4—2)



The ornamental design for a washbasin and dressing table unit for bathrooms, substantially as shown.

156,865
COAT
Arnold Burell, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 23, 1948, Serial No. 150,337
Term of patent 3½ years
(Cl. D3—4)



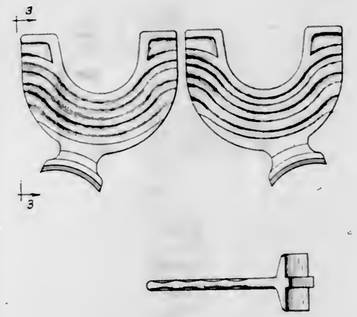
The ornamental design for a coat, substantially as shown.

156,866
AUTOMOBILE EMBLEM PLATE
Merzellor M. Burnett, South Pittsburg, Tenn.
Application October 8, 1948, Serial No. 149,042
Term of patent 7 years
(Cl. D29—2)



The ornamental design for an automobile emblem plate, as shown.

156,867
BOBBY PIN OPENER
Walter F. Cogswell, Colorado Springs, Colo.
Application September 15, 1947, Serial No. 141,408
Term of patent 14 years
(Cl. D86—10)



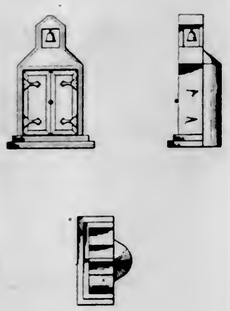
The ornamental design for a bobby pin opener, as shown.

156,868
TOY FIGURE CONTAINER FOR GAMES
Jeanette S. Cole, North Kansas City, and Dora E. Golden, Kansas City, Mo.
Application May 23, 1949, Serial No. 2,826
Term of patent 7 years
(Cl. D58—2)



The ornamental design for a toy figure container for games, as shown.

156,869
JEWELRY BOX
Frank D'Alessandro, Buffalo, N. Y.
Application March 25, 1948, Serial No. 145,332
Term of patent 14 years
(Cl. D80—5)



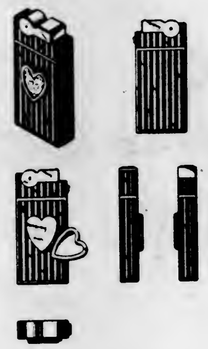
The ornamental design for a jewelry box, as shown.

156,870
SHOE
Herman B. Delman, New York, N. Y.
Application September 17, 1949, Serial No. 5,046
Term of patent 3½ years
(Cl. D7—7)



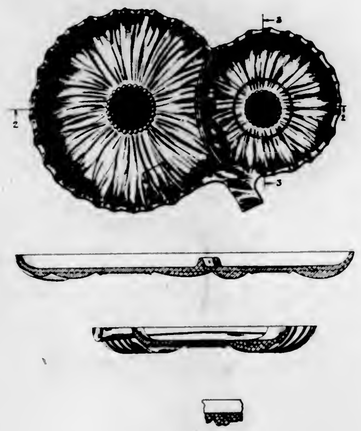
The ornamental design for a shoe, substantially as shown.

156,871
LIGHTER
Edwin B. de Mesquita, Forest Hills, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application March 26, 1949, Serial No. 1,653
Term of patent 14 years
(Cl. D48—27)



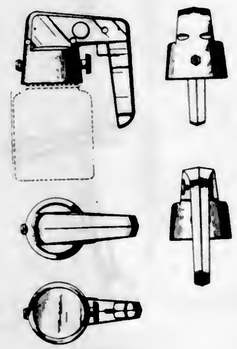
The ornamental design for a lighter, as shown.

156,872
COMBINATION TEA AND TOAST DISH OR SIMILAR ARTICLE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application September 22, 1948, Serial No. 148,706
Term of patent 14 years
(Cl. D36—2)



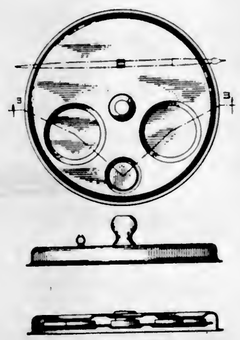
The ornamental design for a combination tea and toast dish or similar article, substantially as shown.

156,873
SPRAYER
Virgil Elsner, Manhattan Beach, Calif., assignor to Burgess Battery Company, Lake Zurich, Ill., a corporation of Delaware
Application June 14, 1949, Serial No. 3,269
Term of patent 14 years
(Cl. D62—2)



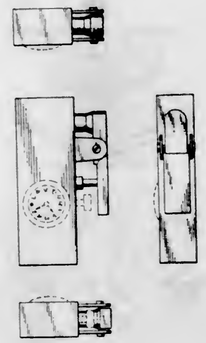
The ornamental design for a sprayer, as shown and described.

156,874
PAINT KIT
Kenneth G. Emmons, Detroit, Mich.
Application August 2, 1947, Serial No. 140,672
Term of patent 3½ years
(Cl. D74—17)



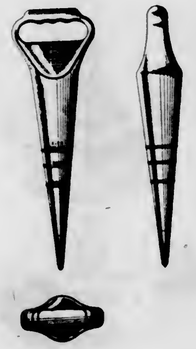
The ornamental design for a paint kit, substantially as shown and described.

156,875
COMBINED CIGARETTE LIGHTER AND CLOCK
Irving Florman, New York, N. Y.
Application December 29, 1948, Serial No. 150,425
Term of patent 14 years
(Cl. D48—27)



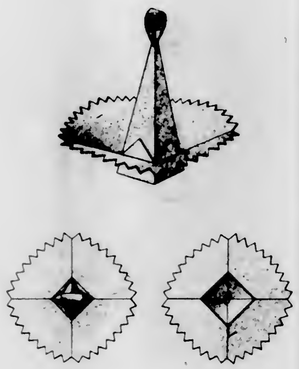
The ornamental design for a combined cigarette lighter and clock, substantially as shown and described.

156,876
GARDEN TOOL
Joseph A. Fraim, Norfolk, Va.
Application October 25, 1948, Serial No. 149,279
Term of patent 7 years
(Cl. D35—2)



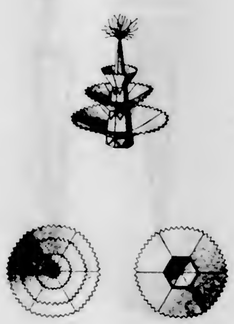
The ornamental design for a garden tool, as shown.

156,877
SEPARABLE BASKET OR SIMILAR ARTICLE
Marie Fridinger, Vienna, Austria
Application May 18, 1948, Serial No. 146,428
Term of patent 3½ years
(Cl. D59—2)



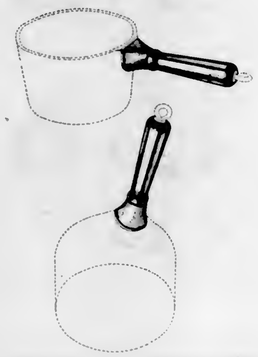
The ornamental design for a separable basket or similar article, substantially as shown.

156,878
DECORATIVE CENTERPIECE OR SIMILAR ARTICLE
Marie Fridinger, Vienna, Austria
Application May 18, 1948, Serial No. 146,429
Term of patent 3½ years
(Cl. D59—2)



The ornamental design for a decorative centerpiece or similar article, substantially as shown.

156,879
COOKING UTENSIL
Erik G. Grundstrom, Chicago, Ill., assignor to Advance Aluminum Castings Corp., Chicago, Ill., a corporation of Illinois
Application April 26, 1947, Serial No. 138,647
Term of patent 14 years
(Cl. D44—29)



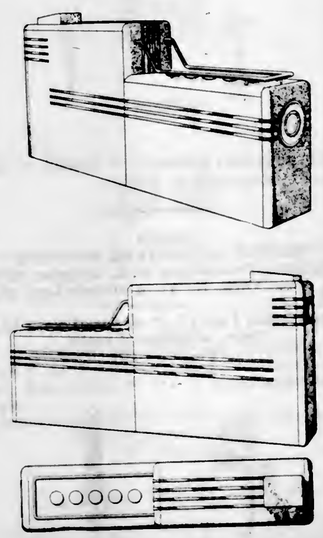
The ornamental design for a cooking utensil, as shown and described.

156,880
WASHING MACHINE
Robert C. Gwin, Jr., Barrington, R. I.
Application June 18, 1949, Serial No. 3,383
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a washing machine, substantially as shown.

156,881
LUBRICATOR CABINET
Thomas L. Hand, Cincinnati, Ohio, assignor to Balcrank, Inc., Disney, near Marburg, Cincinnati, Ohio, a corporation of Ohio
Application March 24, 1948, Serial No. 145,323
Term of patent 7 years
(Cl. D52—2)



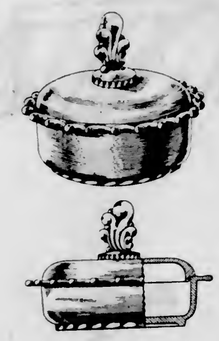
The ornamental design for a lubricator cabinet, substantially as shown.

156,882
COMPORT OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application August 4, 1948, Serial No. 147,928
Term of patent 14 years
(Cl. D36—2)



The ornamental design for a comport or article of similar nature, substantially as shown.

156,883
CANDY DISH OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio
Application November 13, 1948, Serial No. 149,616
Term of patent 14 years
(Cl. D36—2)



The ornamental design for a candy dish or article of similar nature, substantially as shown.

156,884
CHOCOLATE DISH OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio
Application November 13, 1948, Serial No. 149,617
Term of patent 14 years
(Cl. D36—2)



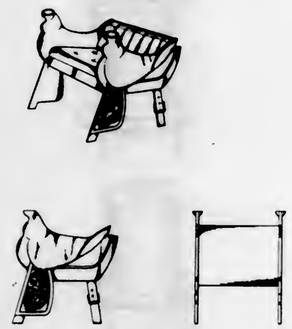
The ornamental design for a chocolate dish or article of similar nature, substantially as shown.

156,885
ICE TUB OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio
Application November 13, 1948, Serial No. 149,618
Term of patent 14 years
(Cl. D36—2)



The ornamental design for an ice tub or article of similar nature, substantially as shown.

156,886
SEAT
Eugene Hoback, Los Angeles, Calif.
Application June 10, 1948, Serial No. 146,889
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a seat, as shown.

156,887
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 12, 1949, Serial No. 3,863
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

156,888
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 12, 1949, Serial No. 3,864
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

156,889
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 13, 1949, Serial No. 3,899
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

156,890
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1949, Serial No. 3,923
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

156,891
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1949, Serial No. 4,022
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown and described.

156,892
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1949, Serial No. 4,151
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

156,893
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1949, Serial No. 4,155
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

156,894
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1949, Serial No. 4,157
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

156,895
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1949, Serial No. 4,247
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown and described.

156,896
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1949, Serial No. 4,248
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown and described.

156,897
BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 7, 1949, Serial No. 5,356
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

156,898
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 7, 1949, Serial No. 5,358
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

156,899
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 7, 1949, Serial No. 5,359
Term of patent 7 years
(Cl. D45—9)



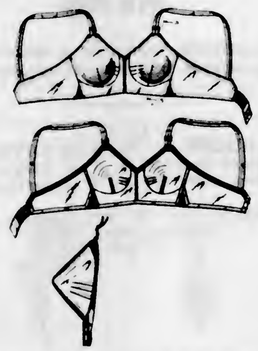
The ornamental design for an earring or similar article, substantially as shown.

156,900
FIGURINE
Helen B. Kipp, Pasadena, Calif.
Application April 15, 1949, Serial No. 2,019
Term of patent 14 years
(Cl. D29—23)



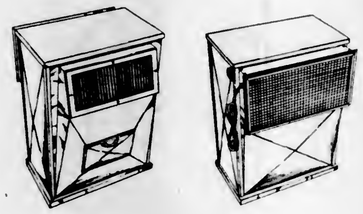
The ornamental design for a figurine, substantially as shown.

156,901
BRASSIÈRE
Isidore Koslovsky, New York, N. Y.
Application October 23, 1948, Serial No. 149,254
Term of patent 14 years
(Cl. D20—4)



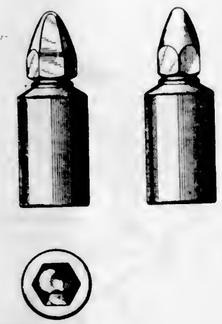
The ornamental design for a brassière, as shown.

156,902
AIR CONDITIONER CABINET OR THE LIKE
Joseph M. Lewis, Wichita Falls, Tex.
Application December 30, 1948, Serial No. 150,448
Term of patent 14 years
(Cl. D62—4)



The ornamental design for an air conditioner cabinet or the like, substantially as shown.

156,903
TOILETRY BOTTLE OR THE LIKE
Jesse L. Livermore, New York, N. Y., assignor to Princess Eve Products Corp., New York, N. Y., a corporation of New York
Application June 19, 1948, Serial No. 147,071
Term of patent 7 years
(Cl. D58—8)



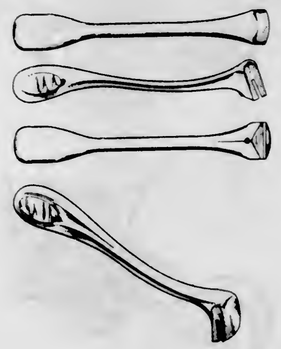
The ornamental design for a toiletry bottle or the like, as shown.

156,904
PLASTIC FILM MATERIAL OR THE LIKE
John J. Maibach, New York, N. Y., assignor to Harte & Company, Inc., New York, N. Y., a corporation of New York
Application May 24, 1949, Serial No. 3,018
Term of patent 3½ years
(Cl. D92—1)



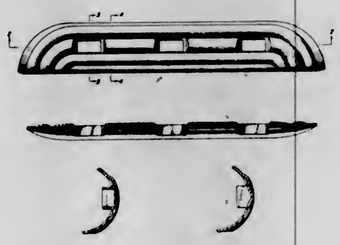
The ornamental design for a plastic film material or the like, substantially as shown and described.

156,905
HANDLE FOR A SCRAPING TOOL
Paul L. Marzuoli, Upper Darby, and James B. O'Hara, Philadelphia, Pa.
Application January 30, 1947, Serial No. 136,533
Term of patent 3½ years
(Cl. D9—6)



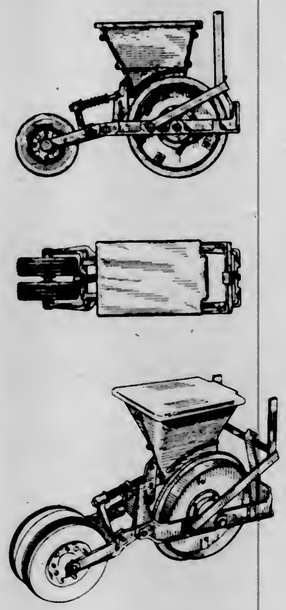
The ornamental design for a handle for a scraping tool, as shown.

156,906
GARMENT PRESS CONTROL PANEL OR SIMILAR ARTICLE
Hercheal Wood Miller, Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application March 8, 1948, Serial No. 144,995
Term of patent 14 years
(Cl. D49—6)



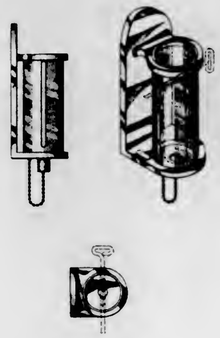
The ornamental design for a garment press control panel or similar article, as shown.

156,907
SEED PLANTER
Paul E. Milton, San Lucas, Calif.
Application March 1, 1948, Serial No. 144,855
Term of patent 14 years
(Cl. D35—2)



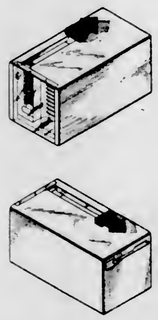
The ornamental design for a seed planter, as shown.

156,908
TUBE DISPENSING HOLDER OR SIMILAR ARTICLE
Theodore M. Moffitt, Balboa, Calif.
Application June 14, 1947, Serial No. 139,691
Term of patent 3½ years
(Cl. D4—3)



The ornamental design for a tube dispensing holder or similar article, as shown and described.

156,909
RAZOR BLADE DISPENSER
Edgar A. Nelson, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application April 7, 1949, Serial No. 1,855
Term of patent 14 years
(Cl. D52—2)



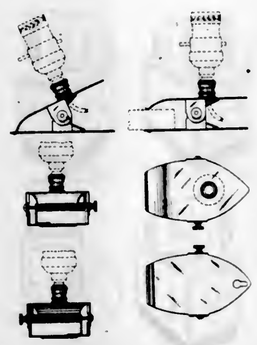
The ornamental design for a razor blade dispenser, as shown.

156,910
STOCKING
Paul R. Nestler, Green Lane, Pa.
Application April 22, 1949, Serial No. 2,193
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

156,911
PORTABLE LIGHT
Solomon Nussbaum, St. Louis, Mo.
Application July 13, 1949, Serial No. 3,879
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a portable light, substantially as shown and described.

156,912
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 17, 1949, Serial No. 4,542
Term of patent 7 years
(Cl. D45—19)



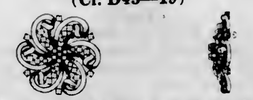
The ornamental design for a brooch or similar article, substantially as shown.

156,913
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1949, Serial No. 4,727
Term of patent 7 years
(Cl. D45—19)



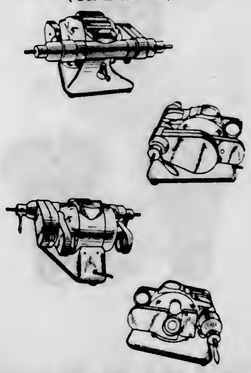
The ornamental design for a brooch or similar article, substantially as shown.

156,914
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1949, Serial No. 4,729
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

156,915
DENTAL LATHE
Erle J. Pow, Woodstock, Ontario, Canada
Application November 26, 1947, Serial No. 142,823
Term of patent 3½ years
(Cl. D54—6)



The ornamental design for a dental lathe, substantially as shown.

156,916
TABLE LIGHTER
William J. Reilly, Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application June 16, 1949, Serial No. 3,326
Term of patent 14 years
(Cl. D48—27)



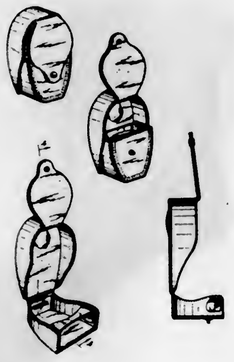
The ornamental design for a table lighter, substantially as shown.

156,917
FINGER RING
John D. Reynolds, III, Philadelphia, Pa., assignor to King's College, Wilkes-Barre, Pa., a corporation of Pennsylvania
Application June 8, 1949, Serial No. 3,114
Term of patent 14 years
(Cl. D45—10)



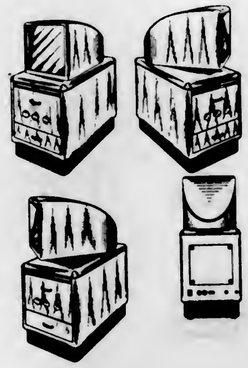
The ornamental design for a finger ring, substantially as shown.

156,918
CARRYING CASE FOR PHOTOGRAPHIC LIGHT METERS
Harry Rosenthal, Mount Vernon, N. Y.
Application December 15, 1948, Serial No. 150,177
Term of patent 3½ years
(Cl. D61—1)



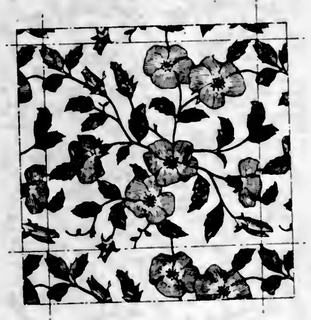
The ornamental design for a carrying case for photographic light meters, as shown.

156,919
PHOTOGRAPHIC VIEWING APPARATUS
Alvin E. Schubert, Rochester, and Wade S. Nivison, New York, N. Y., assignors to Eastman Kodak Company, a corporation of New Jersey
Application March 12, 1949, Serial No. 1,374
Term of patent 14 years
(Cl. D61—1)



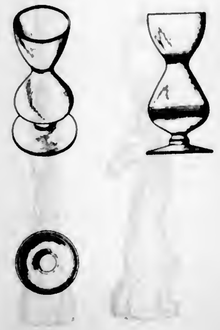
The ornamental design for a photographic viewing apparatus, as shown and described.

156,920
FABRIC
Matthew H. Shulman, New York, N. Y., assignor to Blossom Manufacturing Co., New York, N. Y., a corporation of New York
Application June 17, 1948, Serial No 147,031
Term of patent 7 years
(Cl. D92—1)



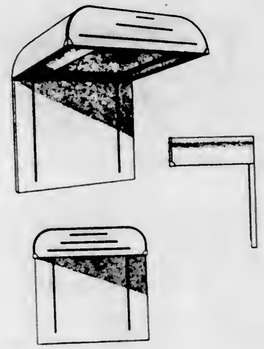
The ornamental design for a fabric, as shown and described.

156,921
DRINKING GLASS
Alexander Sloan, Cumberland, Md.
Application October 25, 1948, Serial No. 149,293
Term of patent 14 years
(Cl. D36—8)



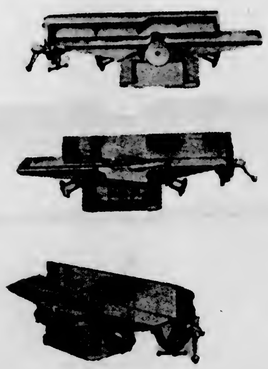
The ornamental design for a drinking glass, substantially as shown.

156,922
COOKING STOVE CANOPY OR SIMILAR ARTICLE
Robert Sonntag, Dallas, Tex.
Application December 13, 1948, Serial No. 150,131
Term of patent 14 years
(Cl. D81—25)



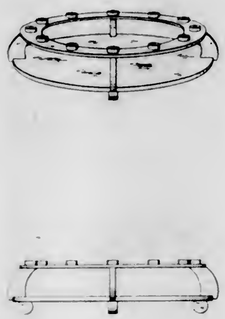
The ornamental design for a cooking stove canopy or similar article, as shown.

156,923
JOINTER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1947, Serial No. 140,898
Term of patent 14 years
(Cl. D93—2)



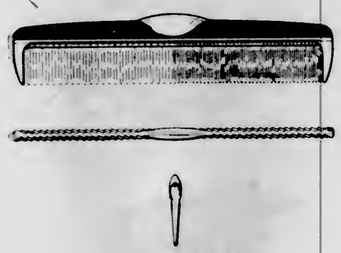
The ornamental design for a jointer, substantially as shown.

156,924
CAKE PLATE
Albert A. Surina, North Plainfield, N. J.
Application August 21, 1948, Serial No. 148,232
Term of patent 7 years
(Cl. D44—19)



The ornamental design for a cake plate, substantially as shown.

156,925
COMB OR THE LIKE
Bernard Ulvad, Leominster, Mass., assignor to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application March 5, 1949, Serial No. 1,238
Term of patent 14 years
(Cl. D86—8)



The ornamental design for a comb or the like, substantially as shown and described.

156,926
TEXTILE FABRIC OR SIMILAR ARTICLE
William O. Wells, Jr., Kenilworth, Ill., assignor to Wells Lamont Corporation, Chicago, Ill., a corporation of Illinois
Application July 29, 1949, Serial No. 4,199
Term of patent 14 years
(Cl. D92—1)



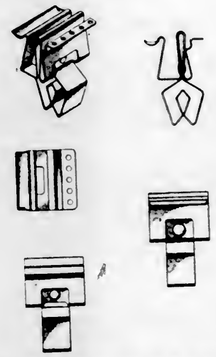
The ornamental design for a textile fabric or similar article, as shown and described.

156,927
LAMP STANDARD
Sylvan K. Williams, Clearfield, Pa., assignor to Clearfield Furs, Inc., Clearfield, Pa., a corporation of Pennsylvania
Application February 17, 1949, Serial No. 918
Term of patent 7 years
(Cl. D48—20)



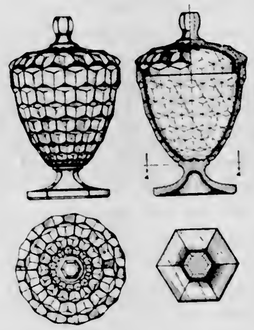
The ornamental design for a lamp standard, as shown.

156,928
CADDY-CART CLIP FOR HOLDING CIGARETTES, GOLF TEES, OR THE LIKE
Charles K. Wooden, Burbank, Calif.
Application November 14, 1947, Serial No. 142,517
Term of patent 14 years
(Cl. D17—3)



The ornamental design for a caddy-cart clip for holding cigarettes, golf tees, or the like, as shown.

156,929
CANDY JAR
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,036
Term of patent 14 years
(Cl. D36—2)



The ornamental design for a candy jar, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A. Q. Poultry Farms, The, Springdale, Ark. Fresh dressed poultry and frozen and fried poultry. Serial No. 548,227, Jan. 17. Class 46.

Abbott, Charles F., Co., Inc., East Orange, N. J. Electric Christmas tree lighting sets and electrical Christmas decorations. Serial No. 570,148, Jan. 17. Class 21.

Ace Patch Company, Inc., assignor, by mesne assignments, to Ace Rubber Company, Dallas, Tex. Self-contained vulcanizing units. Serial No. 499,458, Jan. 17. Class 35.

Ace Rubber Company: *See*—
Ace Patch Company, Inc.

Adler Manufacturing Co., Chicago, Ill. Pots, pans, platters, etc. Serial No. 555,472, Jan. 17. Class 13.

Air Lanes, Inc., Portland, Maine. Live lobsters and fresh lobster meats. Serial No. 502,866, Jan. 17. Class 46.

Alamo Citrus Association, Alamo, Tex. Fresh citrus fruit. Serial No. 562,622, Jan. 17. Class 46.

Allan Corporation, The, Trenton, N. J. Sheet metal roofing, siding and flashing. Serial No. 555,586, Jan. 17. Class 12.

Alumnite Products Company: *See*—
Erickson, Hugo.

American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Cabinet hardware. Serial No. 554,347, Jan. 17. Class 13.

American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Cabinet hardware. Serial No. 554,353, Jan. 17. Class 13.

American Concrete Receptacle Co., Detroit, Mich. Burial vaults. Serial No. 524,436, Jan. 17. Class 2.

American Condenser Co., Chicago, Ill. Electrical condensers. Serial No. 550,010, Jan. 17. Class 21.

American Plastic Products, Los Angeles, Calif. Toy plastic ukeleles. Serial No. 526,183, Jan. 17. Class 22.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. Serial No. 553,060, Jan. 17. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking tobacco and cigarettes. Serial No. 556,862, Jan. 17. Class 17.

Anderson, Sidney S., doing business as The NuGrape Company, Hattiesburg, Miss. Non-alcoholic, non-cereal, maltless beverages. Serial No. 530,053, Jan. 17. Class 45.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Liquid leg coating, lipstick and nail polish. Serial No. 549,869, Jan. 17. Class 51.

Argus, Incorporated, Ann Arbor, Mich. View finders for cameras. Serial No. 533,094, Jan. 17. Class 26.

Argus, Incorporated, Ann Arbor, Mich. View finders for cameras. Serial No. 533,696, Jan. 17. Class 26.

Armour and Company, doing business as De Sota Creamery & Produce Co., Chicago, Ill. Butter, fresh eggs, frozen and dressed poultry. Serial No. 531,982, Jan. 17. Class 46.

Armour & Company, Chicago, Ill. Bacon. Serial No. 540,147, Jan. 17. Class 46.

Armstrong Siddeley Motors Limited, Coventry, England. Aeroplane engines and parts thereof. Serial No. 568,924, Jan. 17. Class 23.

Arnold, S. M., Inc., St. Louis, Mo. Applicator pads, mitts and polishing machine bonnets and discs. Serial No. 543,404, Jan. 17. Class 29.

Artvogue of California, San Francisco, Calif. Men's and boys' sport shirts, lonfer jackets and neck-ties. Serial No. 566,022, Jan. 17. Class 39.

Ashland Oil & Refining Company, Ashland, Ky. Coal spray oil. Serial No. 558,771, Jan. 17. Class 15.

Asland Oil & Refining Company, Ashland, Ky. Motor oil. Serial No. 558,772, Jan. 17. Class 15.

Asprey & Company, Limited, London, England. Sterling silver carving sets, cocktail shakers, tea sets, etc. Serial No. 571,780, Jan. 17. Class 28.

Associated Needlecrafts, New York, N. Y. Waterproof reclining pads. Serial No. 569,735, Jan. 17. Class 32.

B. & J. Sippel Limited, Sheffield, England. Knives, forks and spoons. Serial No. 570,991, Jan. 17. Class 28.

Band-it Company, Denver, Colo. Receptacles. Serial No. 552,413, Jan. 17. Class 2.

Bank of America National Trust and Savings Association, San Francisco, Calif. Savings account services. Serial No. 561,608, Jan. 17. Class 102.

Barbarsol Company, The, Indianapolis, Ind. Deodorant and perspiration preventive. Serial No. 510,996, Jan. 17. Class 51.

Barr Rubber Products Company, The, Sandusky, Ohio. Rubber toys. Serial No. 564,800, Jan. 17. Class 22.

Barr Rubber Products Company, The, Sandusky, Ohio. Toys, game balls. Serial No. 563,103, Jan. 17. Class 22.

Bat-O-Lite Company: *See*—
Battiste, Donald A.

Battiste, Donald A., doing business as Bat-O-Lite Company, Philadelphia, Pa. Compound. Serial No. 522,703, Jan. 17. Class 46.

Baumer Foods, Inc., New Orleans, La. Prepared mustard. Serial No. 587,157, Jan. 17. Class 46.

Bayshore Industries, Inc., Elkton, Md. Toy rubber balloons. Serial No. 561,438, Jan. 17. Class 22.

Bayshore Industries, Inc., Elkton, Md. Toy rubber balloons. Serial No. 561,440, Jan. 17. Class 22.

Beaucraft, Inc., Providence, R. I. Costume jewelry. Serial No. 558,272, Jan. 17. Class 28.

Beenstock, Jack N., trading as Standard Kiddies Sportswear, Brooklyn, N. Y. Children's snow suits. Serial No. 566,375, Jan. 17. Class 39.

Behr-Manning Corporation, Troy, N. Y. Electrocoated pile rug material. Serial No. 577,700–1, Jan. 17. Class 42.

Berkey Company, Philadelphia, Pa. Clothing. Serial No. 546,182, Jan. 17. Class 39.

Berlitz Schools of Languages of America, Inc., The, New York, N. Y. Printed books, pamphlets, and circulars. Serial No. 571,702, Jan. 17. Class 38.

Best & Co. Inc., New York, N. Y. Misses' and women's apparel. Serial No. 543,679, Jan. 17. Class 39.

Big Stone Canning Co., Ortonville, Minn. Canned sweet corn, whole kernel corn, cream style corn. Serial No. 534,236, Jan. 17. Class 46.

Blue Banner Foods, Kent, Wash. Mayonnaise. Serial No. 532,114, Jan. 17. Class 46.

Booth Fisheries Corporation, Chicago, Ill. Canned salmon. Serial No. 542,528, Jan. 17. Class 46.

Breco Manufacturing Co., Baltimore, Md. Pipe and hose couplings. Serial No. 571,008, Jan. 17. Class 13.

Brightwater Paper Co., Dover, Del., and Adams, Mass. Writing paper. Serial No. 571,198, Jan. 17. Class 37.

Brown, Jim, Stores, Inc., Cleveland, Ohio. Rubber tires. Serial No. 572,830, Jan. 17. Class 35.

Brown, William, doing business as Holby Valve Company, New York, N. Y. Thermostatically-controlled temperature regulating valves. Serial No. 556,405, Jan. 17. Class 26.

Bulldog Electric Products Company, Detroit, Mich. Circuit breakers panelboards. Serial No. 548,920, Jan. 17. Class 21.

Burk, Louis, Incorporated, Philadelphia, Pa. Meat products. Serial No. 534,992, Jan. 17. Class 46.

Burma-Cola Company, Bethesda, Md. Flavoring syrup for non-alcoholic maltless soft drinks. Serial No. 569,602, Jan. 17. Class 45.

California Casket Company: *See*—
Newman, Louis.

Calmic Limited, Crewe, Cheshire, England. Vaccines. Serial No. 559,497, Jan. 17. Class 18.

Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Metal tubing. Serial No. 574,608, Jan. 17. Class 13.

Capezio, S., Inc., New York, N. Y. Sandals. Serial No. 548,479, Jan. 17. Class 39.

Carter Motor Company, Chicago, Ill. Motor generators. Serial No. 552,939, Jan. 17. Class 21.

Central Distributors Co., Tyrone, Pa. Deodorant and disinfectant dispensing machine. Serial No. 537,003, Jan. 17. Class 13.

Chase-Shawmut Company, The, Newburyport, Mass. Electric fuses and fuse links therefor. Serial No. 568,933, Jan. 17. Class 21.

Chattanooga Glass Company, Chattanooga, Tenn. Glass containers. Serial No. 537,413, Jan. 17. Class 33.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Comic strip in newspapers. Serial No. 571,258, Jan. 17. Class 38.

Chic Bag Co., Inc., New York, N. Y. Ladies' handbags and purses. Serial No. 572,238, Jan. 17. Class 3.

Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda). Serial No. 526,791, Jan. 17. Class 46.

Churchill, Inc., Miami, Fla. Coffee. Serial No. 529,873, Jan. 17. Class 46.

Cities Service Oil Company, Bartlesville, Okla. Storage batteries, battery cables, battery chargers, etc. Serial No. 567,683, Jan. 17. Class 21.

City Baking Company, The, doing business as Rice's Bakery, Baltimore, Md. Bakery products. Serial No. 531,018, Jan. 17. Class 46.

Clayton Manufacturing Company, El Monte, Calif. Cleaning preparation. Serial No. 587,305, Jan. 17. Class 52.

Clime, Albert H., North Abington, Mass. Containers for perfume. Serial No. 537,156, Jan. 17. Class 2.

Clipper Manufacturing Company, Kansas City, Mo. Power driven masonry saws. Serial No. 549,786, Jan. 17. Class 23.

Clover Garment Co.: *See*—
Epstein, Isaac.

Collegiate Manufacturing Company, Inc., New York, N. Y. Ladies' nightgowns. Serial No. 568,351, Jan. 17. Class 39.
Colo-Flavor Products, Inc., Palisade, Colo. Canned fruits. Serial No. 531,891, Jan. 17. Class 46.
Conner, H. D., Peoria, Ariz. Fresh vegetables and fresh melons. Serial No. 556,560, Jan. 17. Class 46.
Continental Gin Company, Birmingham, Ala. Gas and oil burners and parts and accessories therefor. Serial No. 577,660, Jan. 17. Class 34.
Cook Coffee Company, The, Cleveland, Ohio. Coffee. Serial No. 544,854, Jan. 17. Class 46.
Cosgrove, Patrick J., Boston, Mass. Finger rings. Serial No. 540,259, Jan. 17. Class 28.
Cosmo Blouses & Sportswear, Inc., New York, N. Y. Ladies' and children's blouses, skirts, slacks, etc. Serial No. 562,328, Jan. 17. Class 39.
Counter and Control Corporation, Milwaukee, Wis. Automatic unitary mechanically operated switching controls. Serial No. 518,203, Jan. 17. Class 26.
Crawford Manufacturing Co., Inc., Richmond, Va. Canvas covers, tarpaulins, and awnings. Serial No. 548,239, Jan. 17. Class 50.
Cromwell Paper Company, The, Chicago, Ill. Garment and blanket bags, mattress bags, furniture bags, etc. Serial No. 563,159, Jan. 17. Class 2.
Crosley Broadcasting Corporation, Cincinnati, Ohio. Radio program broadcasting. Serial Nos. 541,095–6, Jan. 17. Class 104.
Crown Drug Company, Kansas City, Mo. Photo finishing. Serial No. 515,159, Jan. 17. Class 100.
Cutter Laboratories, Berkeley, Calif. Crystalline potassium penicillin. Serial No. 566,794, Jan. 17. Class 18.
Daugherty, Katie L., Atlanta, Ga. Needle for making hair pin crochet. Serial No. 557,829, Jan. 17. Class 40.
Davis Electric Company, Cape Girardeau, Mo. Resistors, coils, relays, solenoid valves, and switches. Serial No. 555,993, Jan. 17. Class 21.
Del Rio Orchards: *See*—
Deuel & Deuel.
De Soto Creamery & Produce Co.: *See*—
Armour and Company.
Detrex Corporation, Detroit, Mich. Electric motors, electric heating and drying ovens, etc. Serial No. 546,968, Jan. 17. Class 21.
Dettra Flag Company, Inc., Oaks, Pa. Flags. Serial No. 573,474, Jan. 17. Class 50.
Deuel & Deuel, doing business as Del Rio Orchards, Medford, Oreg. Fresh deciduous fruits. Serial No. 526,206, Jan. 17. Class 46.
Diamond Leathercraft Co. Inc., New York, N. Y. Luggage. Serial No. 569,747, Jan. 17. Class 3.
Ditishein & Cie, Fabriques Vulcain et Volta, La Chaux-de-Fonds, Switzerland. Watches and parts thereof. Serial No. 557,511, Jan. 17. Class 27.
Dofan Handbag Co., Inc., New York, N. Y. Ladies' handbags. Serial No. 577,317, Jan. 17. Class 3.
Duro-Matic Products Company, Hollywood, Calif. Toy racing cars and toy internal combustion engines. Serial No. 550,901, Jan. 17. Class 22.
Eagle-Picher Company, The, Cincinnati, Ohio. Insulation material. Serial No. 566,924, Jan. 17. Class 12.
Earhart, Amelia, Luggage, Newark, N. J. Luggage. Serial No. 577,110, Jan. 17. Class 3.
Eisendrath, Joseph N., Company, Chicago, Ill. Ladies' gloves. Serial No. 495,456, Jan. 17. Class 39.
Empire Plow Company, The, Cleveland, Ohio. Sweeps and like ground-working agricultural metal tools. Serial No. 551,960, Jan. 17. Class 23.
Epstein, Isaac, doing business as Clover Garment Co., New York, N. Y. Ladies' coats and suits. Serial No. 500,746, Jan. 17. Class 39.
Erickson, Hugo, doing business under the name and style of Alumnite Products Company, Chicago, Ill. Processed aluminum product. Serial No. 558,114, Jan. 17. Class 6.
Ever-Dry Corporation, Los Angeles, Calif., and Carson City, Nev. Toilet preparations. Serial No. 571,127, Jan. 17. Class 51.
Everlast World's Boxing Headquarters Corp., New York, N. Y. Ear and eyebrow protectors for boxers, boxing masks, odontoguards, etc. Serial No. 553,831, Jan. 17. Class 22.
Fairmont Railway Motors, Incorporated, Fairmont, Minn. Ignition timers for internal combustion engines. Serial No. 521,986, Jan. 17. Class 21.
Farmers Nut Corporation, Suffolk, Va. Fresh salted peanuts. Serial No. 535,405, Jan. 17. Class 46.
Fast Bite, Inc., Hazel Park, Mich. Fish bait in paste form. Serial No. 506,806, Jan. 17. Class 22.
Fenn Bros., Inc., Sioux Falls, S. Dak. Chocolate covered nougat bar type candy. Serial No. 535,513, Jan. 17. Class 46.
Filing Equipment Bureau, Incorporated, Boston, Mass. Filing folders. Serial No. 568,723, Jan. 17. Class 37.
Florasynth Laboratories Incorporated, New York, N. Y. Odor preparation. Serial No. 564,103, Jan. 17. Class 6.
Floyd, Wm. H., doing business as Wm. H. Floyd & Co., Los Angeles and Corning, Calif. Canned ripe olives. Serial No. 506,021, Jan. 17. Class 46.
Floyd, Wm. H., & Co.: *See*—
Floyd, Wm. H.
Food Machinery and Chemical Corporation: *See*—
Westvaco Chemical Corporation.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 577,380, Jan. 17. Class 42.
Fountain Die Cutting Company, New York, N. Y. Checker game. Serial No. 555,259, Jan. 17. Class 22.
Freydberg Bros.-Strauss, Inc., New York, N. Y. Knitting yarn. Serial No. 576,639, Jan. 17. Class 43.
Fromme, H. S. & Co., Inc., New York, N. Y. Coffee. Serial No. 565,617, Jan. 17. Class 46.
Fruit Flavors Company: *See*—
Stein, Morris.
General Sportswear Co., Inc., Ellenville, N. Y. Garments for children. Serial No. 563,461, Jan. 17. Class 39.
Gilcrest Company, The: *See*—
Grey, Harold N.
Goldsmith Clothing Company, St. Louis, Mo. Men's and young men's suits, coats, sport coats, etc. Serial No. 533,467, Jan. 17. Class 39.
Goodman Manufacturing Company, Chicago, Ill. Storage-battery locomotives. Serial No. 546,095, Jan. 17. Class 21.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Canned sardines and canned kippered herrings. Serial No. 572,172, Jan. 17. Class 46.
Grecht, William, Co., Baltimore, Md. Canned vegetables, frozen fruits. Serial No. 560,882, Jan. 17. Class 46.
Grey, Harold N., doing business under the trade name of The Gilcrest Company, New York, N. Y. Diamond finger rings, diamond mountings, and gold finger rings. Serial No. 562,470, Jan. 17. Class 28.
Griffin Craft, Sheffield, Ala. Table syrup. Serial No. 532,588, Jan. 17. Class 46.
Griggs Canning Company, Natalia, Tex. Canned vegetables. Serial No. 569,199, Jan. 17. Class 46.
Guibert Steel Company, Pittsburgh, Pa. Safety turn bars, tow cranes, lift loaders, etc. Serial Nos. 544,722–3, Jan. 17. Class 23.
Guichard-Perrachon & Cie., Etablissements Economiques du Casino, St. Etienne (Loire), France. Perfumes, face powder, mascara, etc. Serial No. 546,080, Jan. 17. Class 51.
Hamilton Watch Company, Lancaster, Pa. Alloy. Serial No. 571,212, Jan. 17. Class 14.
Harlis Inc., Miami, Fla. Toys. Serial No. 564,623, Jan. 17. Class 22.
Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. Serial No. 565,584, Jan. 17. Class 39.
Hass-Miller Corporation, Philadelphia, Pa. Water correcting chemical. Serial No. 567,634, Jan. 17. Class 6.
Heirlooms of Tomorrow, Manhattan Beach, Calif. Porcelain figurines. Serial No. 549,071, Jan. 17. Class 50.
Highland Fruit Growers Association, Highland, Calif. Fresh citrus fruits. Serial No. 564,775, Jan. 17. Class 46.
Hill & Leemon, Bellingham, Wash. Food preparation. Serial No. 543,295, Jan. 17. Class 46.
Hines Flask Company, The, Cleveland, Ohio. Foundry flasks. Serial No. 567,518, Jan. 17. Class 23.
Holby Valve Company: *See*—
Brown, William.
Hos-Re-Kare Co., The: *See*—
Watenpuhl, Florence M.
Hub Vacuum Stores: *See*—
Kahn, Rudolph.
Humko Company, The, Memphis, Tenn. Pure vegetable shortening. Serial No. 568,620, Jan. 17. Class 46.
Hunt, Henry, doing business as Pronto Mowers, Oldsmar, Fla. Hand operated and power driven lawnmowers. Serial No. 539,417, Jan. 17. Class 23.
Industrial Oxygen Company, Louisville, Ky. Portable flame shape cutting machines, bevelling machines, and parts therefor. Serial No. 562,473, Jan. 17. Class 34.
International Alliance of Theatrical Stage Employes and Moving Picture Machine Operators of the United States and Canada, New York, N. Y. Organization bulletin. Serial No. 571,967, Jan. 17. Class 38.
Jacobson, F., & Sons, Inc., New York, N. Y. Men's, women's and boys' dress, negligee and sport shirts, etc. Serial No. 567,080, Jan. 17. Class 39.
Jamison Bedding, Inc., Nashville, Tenn. Mattresses and box springs. Serial No. 570,496, Jan. 17. Class 32.
Janik, Stephen, doing business as The Johnnie Ryan Company, Niagara Falls, N. Y. Non-alcoholic, non-cereal, maltless beverages. Serial No. 517,484, Jan. 17. Class 45.
Joseph, George F., doing business as George F. Joseph Co., Yakima, Wash. Fresh apples, fresh pears, fresh cherries, etc. Serial No. 532,597, Jan. 17. Class 46.
Joseph, George F., Co.: *See*—
Joseph, George F.
Kahn, Rudolph, doing business as Hub Vacuum Stores, New York, N. Y. Electric domestic vacuum cleaners. Serial No. 568,849, Jan. 17. Class 21.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Fresh meat. Serial No. 564,627, Jan. 17. Class 46.
Kearney, James R., Corporation, St. Louis, Mo. Electrical connectors. Serial No. 544,496, Jan. 17. Class 21.
Kent-Moore Organization Inc., Detroit, Mich. Ducts and connecting hose assembly. Serial No. 553,200, Jan. 17. Class 34.

Kerr Conserving Company, Portland, Oreg. Jellies, fruit preserves, apple butter, etc. Serial No. 543,937, Jan. 17. Class 46.
King Kelly Marmalade Company, Inc., Bellflower, Calif. Orange marmalade and candy. Serial No. 568,377, Jan. 17. Class 46.
King Kone Corporation, New York, N. Y. Cheese flavored snacks or crackers, cheese sandwiches, etc. Serial No. 537,048, Jan. 17. Class 46.
King Milling Company, Lowell, Mass. Poultry feeds. Serial No. 549,553, Jan. 17. Class 46.
Koller & Smith Co., Inc., New York, N. Y. File guides and folders, labels, indexes and cards. Serial No. 562,713, Jan. 17. Class 37.
Krementz & Company, Newark, N. J. Cuff links. Serial No. 555,416, Jan. 17. Class 28.
Kupenheimer, B., & Co. Inc., Chicago, Ill. Men's and youths' ready to wear suits, and men's, youths' and women's slacks. Serial No. 563,041, Jan. 17. Class 39.
Lady Esther, Ltd., Chicago, Ill. Face powders, rouge, and lipstick. Serial No. 533,862, Jan. 17. Class 51.
Lady Esther, Ltd., Chicago, Ill. Lipstick. Serial No. 533,863, Jan. 17. Class 51.
Laher Spring and Tire Corporation, Oakland, Calif. Automobile and truck tires and automobile and truck brake lining and brake blocks. Serial No. 568,637, Jan. 17. Class 35.
La Jolla Sportswear Co., Los Angeles, Calif. Men's trousers. Serial No. 567,588, Jan. 17. Class 39.
Larus & Brother Company, Inc., Richmond, Va. Tobacco and tobacco products. Serial No. 571,029, Jan. 17. Class 17.
Leavens Manufacturing Company, Inc., Attleboro, Mass. Jewelry. Serial No. 567,409, Jan. 17. Class 28.
Leibowitz, Louis, doing business as Nantone Medicine Company, Baltimore, Md. Energy tonic. Serial No. 575,996, Jan. 17. Class 18.
Les Parfums Worth de Paris, Inc., New York, N. Y. Perfumes. Serial No. 568,110, Jan. 17. Class 51.
Lewis Knitting Company, Janesville, Wis. Men's underwear. Serial No. 562,786, Jan. 17. Class 39.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation of procaine penicillin. Serial No. 553,877, Jan. 17. Class 18.
Lindsay, Henry, Limited, Bradford, England. Metal clips. Serial No. 534,900, Jan. 17. Class 13.
Lookout Oil and Refining Company, Chattanooga, Tenn. Vegetable shortening. Serial No. 548,511, Jan. 17. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Prepared doughnut flour and crullers. Serial No. 569,705, Jan. 17. Class 46.
Lowell Manufacturing Co.: *See*—
Lowell Specialty Company of Lowell, Mich.
Lowell Specialty Company of Lowell, Mich., doing business under the name Lowell Manufacturing Co., Lowell, Mich., and Chicago, Ill. Unitary manually operated sprayers. Serial No. 556,209, Jan. 17. Class 23.
Lucas, Starrett D., Duboistown, Pa. Pillows, mattresses, and cushions. Serial No. 518,541, Jan. 17. Class 32.
Lufkin Rule Company, The, Saginaw, Mich. Tape measures. Serial No. 571,732, Jan. 17. Class 26.
MacAdam, A. E., & Co., Inc., Brooklyn, N. Y. Wrapping paper, household wrapping tissue, toilet tissue, etc. Serial No. 567,416, Jan. 17. Class 37.
Magicomb Corporation, Los Angeles, Calif. Combs. Serial No. 576,977, Jan. 17. Class 40.
Magnani Statuary Company, New York, N. Y. Mannikins and parts thereof. Serial No. 573,663, Jan. 17. Class 50.
Mannello Bros. & Mayrsohn, Inc., New York, N. Y. Fresh fruits and fresh vegetables. Serial No. 565,277, Jan. 17. Class 46.
Mansur, Robert S., Pasadena, Calif. Maltless soft drinks. Serial No. 558,571, Jan. 17. Class 45.
Marshall Field & Company, Chicago, Ill. Mattresses, pillows, and box springs. Serial No. 569,872, Jan. 17. Class 32.
McArthur, Geo., & Sons, Inc., Baraboo, Wis. Bath towels and toweling. Serial No. 554,903, Jan. 17. Class 42.
McCrory Stores Corporation, New York, N. Y. Safety razor blades. Serial No. 568,964, Jan. 17. Class 23.
McDonald of Lebanon, Pa., Lebanon, Pa. Children's bathing suits, playsuits, and pinafores. Serial No. 548,752, Jan. 17. Class 39.
Metropolitan Cigar Corporation, Chicago, Ill. Cigars. Serial No. 532,149, Jan. 17. Class 17.
Milford Shoe Company, Milford, Mass. Men's shoes. Serial No. 565,645, Jan. 17. Class 39.
Milwaukee Lace Paper Company, Milwaukee, Wis. Paper napkins. Serial No. 571,154, Jan. 17. Class 37.
Minnetonka Moccasin Company, Inc., Minneapolis, Minn. Child's moccasins. Serial No. 532,746, Jan. 17. Class 39.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Combination rubber and leather boots and shoes. Serial No. 530,097, Jan. 17. Class 39.
Missouri Conference Association of the Seventh Day Adventists, also doing business as Sunnydale Farm Foods, Kansas City and Centralia, Mo. Canned food. Serial No. 532,477, Jan. 17. Class 46.
Modern Products Supply Co., Milwaukee, Wis. Electrical vegetable juice extractor. Serial No. 569,460, Jan. 17. Class 21.
Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. Serial No. 566,640, Jan. 17. Class 1.
Moorehead Manufacturing Co., Baltimore, Md. Carbonated non-alcoholic beverages. Serial No. 547,266, Jan. 17. Class 45.
Morgan City Packing Company, Houma, La. Frozen fish seafoods. Serial No. 537,388, Jan. 17. Class 46.
Moulton Ladder Manufacturing Co., Somerville, Mass. Extension ladders. Serial No. 569,391, Jan. 17. Class 50.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 576,274, Jan. 17. Class 27.
Munro and Company, Limited, Edinburgh, Scotland. Woolen cloths in the piece. Serial No. 556,514, Jan. 17. Class 42.
Munro and Company Limited, Edinburgh, Scotland. Woolen fabrics in the piece. Serial No. 557,060, Jan. 17. Class 42.
N. V. Brouwerij D'Oranjeboom, Rotterdam, Holland. Lager beer, pilsner beer, Munchener beer, and stout. Serial No. 560,535, Jan. 17. Class 48.
Naamlooze Venootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Emulsifying agents. Serial No. 568,206, Jan. 17. Class 6.
Nachman Corporation, Chicago, Ill. Rubber latex cushioning material. Serial No. 552,305, Jan. 17. Class 32.
Nantone Medicine Company: *See*—
Leibowitz, Louis.
National Broadcasting Company, Inc., New York, N. Y. Broadcasting of radio programs. Serial No. 541,873, Jan. 17. Class 104.
National Cash Register Company, The, Dayton, Ohio. Repair and maintenance of cash registers, credit registers, autographic registers, etc. Serial Nos. 572,859–61, Jan. 17. Class 103.
National Plastic Products Company, The, Odenton, Md. Plastic laminated sheets and panels and composite laminated sheets and panels. Serial No. 589,199, Jan. 17. Class 1.
Nelson Brothers, West Wyoming, Pa. Mattresses, and living room furniture. Serial No. 564,961, Jan. 17. Class 32.
Neponset Radio Corporation, Boston, Mass. Microphones. Serial No. 570,147, Jan. 17. Class 21.
Newman, L., Tool Die & Machine Work: *See*—
Newman, Louis.
Newman, Louis, doing business as L. Newman Tool Die & Machine Work, Oakland, assignor to California Casket Company, San Francisco, Calif. Laundry washing machines. Serial No. 555,189, Jan. 17. Class 24.
New York Feather Company, Brooklyn, N. Y. Pillows. Serial No. 568,855, Jan. 17. Class 32.
Northfield Cheese Corp., New York, N. Y. Process cheese. Serial No. 521,460, Jan. 17. Class 46.
Northwestern Canning & Packing Co.: *See*—
Sporo, James P.
NuGrape Company, The: *See*—
Anderson, Sidney S.
O-Cedar of Canada Limited, Toronto, Ontario, Canada. Room deodorants. Serial No. 554,143, Jan. 17. Class 6.
Owenby Manufacturing Company, The, Marietta, Ga. Children's playsuits. Serial No. 564,891, Jan. 17. Class 39.
Palay, S. T., Textile Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 577,586, Jan. 17. Class 42.
Panama-Beaver, Inc., Chicago, Ill. Carbon paper and inked ribbons. Serial No. 547,144, Jan. 17. Class 11.
Paradox Anti-Freeze, Inc., Des Moines, Iowa. Anti-freeze solution. Serial No. 569,470, Jan. 17. Class 6.
Paris Decorators Corp., New York, N. Y. Electric living room lamps, electric bedroom lamps, and lampshade covers. Serial No. 564,345, Jan. 17. Class 21.
Parks, Harold M., Seattle, Wash. Canned salmon. Serial Nos. 570,879–80, Jan. 17. Class 46.
Parsons Company, The, Newton, Iowa. Wheel and endless chain digging scoop ditching or trenching machines. Serial No. 534,660, Jan. 17. Class 23.
Peirce and Cutler, Los Angeles, Calif. Textile, loop-piled rugs. Serial No. 523,061, Jan. 17. Class 42.
Pepperell Manufacturing Company, Boston, Mass. Blankets and sheets. Serial No. 574,921, Jan. 17. Class 42.
Perfection Company, Ltd., The, Waco, Tex. Cola extract concentrate. Serial No. 564,581, Jan. 17. Class 45.
Periman Engineering Corporation, Los Angeles, Calif. Toy automobiles or miniature racing cars. Serial No. 552,267, Jan. 17. Class 22.
Perma Products Company, The, Cleveland, Ohio. Reinforced paper used as a building paper. Serial No. 555,955, Jan. 17. Class 12.
Perrine Manufacturing Co., Minneapolis, Minn. Fishing reels. Serial No. 573,566, Jan. 17. Class 22.
Pollack, Max, & Company, Inc., New York, N. Y. Sewing threads. Serial No. 576,718, Jan. 17. Class 43.
Pollak, Henry, Inc., New York, N. Y. Hat bodies. Serial No. 564,896, Jan. 17. Class 39.
Popich & Jurisich, New Orleans, La. Canned fresh oysters, frozen oysters, oysters in the shell and shucked oysters. Serial No. 551,474, Jan. 17. Class 46.
Prather, Juliana H., Dayton, Ohio. Spiral metal holders. Serial No. 548,521, Jan. 17. Class 13.
Presentation Line, The, New York, N. Y. Secretary-style wallets, wallets and billfolds. Serial No. 556,597, Jan. 17. Class 3.

Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. Serial No. 579,451, Jan. 17. Class 52.
Pronto Mowers: *See*—
Hunt, Henry.
Puente Mutual Citrus Association, Puente, Calif. Fresh citrus fruits. Serial No. 540,715, Jan. 17. Class 46.
Quaker Oats Company, The, Chicago, Ill. Corn flakes. Serial No 541,180, Jan. 17. Class 46.
Ranger Seafood, Inc. Buena Park, Calif. Canned fish. Serial No. 569,219, Jan. 17. Class 46.
Raynor Manufacturing Company, Dixon, Ill. Hinges. Serial No. 556,599, Jan. 17. Class 13.
Ras-Ammann, Ida Thun, Switzerland. Non-skid studs or devices in particular for horseshoes. Serial No. 572,449, Jan. 17. Class 3.
Rice's Bakery: *See*—
City Baking Company, The.
Rife-Loth Corporation, Waynesboro, Va. Castings of gray iron, brass, bronze and aluminum. Serial No. 566,890, Jan. 17. Class 14.
Riverside Paper Corporation, Appleton, Wis. Bond papers. Serial No 571,464, Jan. 17. Class 37.
Robertson Factories, Inc., New York, N. Y. Window curtains. Serial No. 577,735, Jan. 17. Class 42.
Rogers, Robert Edmund, doing business as Systems Sales Company, Endicott, N. Y. Filing cabinets. Serial No. 554,628, Jan. 17. Class 32.
Roma Wine Company: *See*—
Schenley Distillers Corporation.
Rothschild, David, Company, Columbus, Ga. Apparel for men, women and children. Serial No. 565,083, Jan. 17. Class 39.
Ryan, Johnnie, Company, The: *See*—
Janik, Stephen.
St. Paul & Tacoma Lumber Co., Tacoma, Wash. Periodical house-organ magazine. Serial No. 571,939, Jan. 17. Class 38.
Santa Ana-Tustin Mutual Citrus Association, Tustin, Calif. Fresh citrus fruits. Serial No. 565,497, Jan. 17. Class 46.
Satz, Frank, Beverly Hills, Calif. Dolls. Serial No. 576,472, Jan. 17. Class 22.
Saul-Klenberg & Company, Atlanta, Ga. Women's and misses' dresses. Serial No. 563,084, Jan. 17. Class 39
Schenley Distillers Corporation, New York, N. Y. Brandy. Serial No. 568,075, Jan. 17. Class 49.
Schenley Distillers Corporation, doing business as Roma Wine Company, New York, N. Y. Wines. Serial No. 570,276, Jan. 17. Class 47.
Schindler's Peanut Products, Inc., Washington, D. C., and Baltimore, Md. Peanut butter and cheese peanut butter sandwiches. Serial No. 544,208, Jan. 17. Class 46.
Schwarz Laboratories, Inc., New York, N. Y. Adenine; adenine hydrochloride; adenine sulphate; etc. Serial No. 542,668, Jan. 17. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Mufflers, water pumps, fuel pumps, etc. Serial No. 558,754, Jan. 17. Class 23.
Sel-Good Undergarment Company, New York, N. Y. Ladies' panties and ladies' bloomers. Serial No. 563,135, Jan. 17 Class 39.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Salt. Serial No. 571,052, Jan. 17. Class 46.
Sitroux Incorporated, New York, N. Y. Facial tissues. Serial No. 565,728, Jan. 17. Class 37.
Skinner, William, & Sons, Holyoke, Mass. and New York, N. Y. Fabrics of silk, wool, cotton, etc. Serial No. 577,747, Jan. 17. Class 42.
Smoler Bros., Inc., Chicago, Ill., and New York, N. Y. Women's and misses' dresses. Serial No. 564,789, Jan. 17. Class 39.
Spalding, A. G., & Bros., Inc., Chicopee, Mass. Badminton rackets, tennis rackets, squash rackets, etc. Serial No. 563,226–7, Jan. 17. Class 22.
Spatz Bros., Inc., New York, N. Y. Children's raincoats. Serial No. 566,668, Jan. 17. Class 39.
Spoto, James P., doing business under the name and style of Northwestern Canning & Packing Co., Seffner, Fla. Canned soup. Serial No. 569,900, Jan. 17. Class 46.
Sprayo-Flake Company, Chicago, Ill. Acoustical insulation. Serial No. 538,320, Jan. 17. Class 12.
Standard Greetings, Inc., Holyoke, Mass. Box assortment of greeting cards. Serial No. 572,133, Jan. 17. Class 38.
Standard Horse Nail Corporation, New Brighton, Pa. Machine keys, Woodruff keys, etc. Serial No. 530,346, Jan. 17. Class 23.
Standard Kiddies Sportswear: *See*—
Beenstock, Jack N.
Standard Transformer Corporation, Chicago, Ill. Impedance matching tuners forming an integral part of television receivers. Serial No. 569,309, Jan. 17. Class 21.
Stanley Supply Co., Inc., New York, N. Y. Nurses' professional handbag. Serial No. 559,742, Jan. 17. Class 3.
Stein, Morris, doing business as Fruit Flavors Company, New Rochelle, N. Y. Flavoring extracts. Serial No. 552,814, Jan. 17. Class 46.
Stein, S., & Co., Inc., New York, N. Y. Woolen fabrics in the piece. Serial No. 541,047, Jan. 17. Class 42.
Stephens, Arthur I., Chicago, Ill. Hosiery Serial No. 568,688, Jan. 17. Class 39.
Stokes Paper Company, The, Cincinnati, Ohio. Bond paper, rag bond, sulphide bond, mimeograph bond, etc. Serial No. 567,281, Jan. 17. Class 37.
Stopall Waterproofing Manufacturers, Inc., Kalamazoo, Mich. Waterproofing material. Serial No. 539,458, Jan. 17. Class 12.
Suburban Club Carbonated Beverage Co., Inc., Baltimore, Md. Maltless soft drinks and carbonated waters. Serial No. 553,223, Jan. 17. Class 45.
Sunnydale Farme Foods: *See*—
Missouri Conference Association of the Seventh Day Adventists.
Systems Sales Company: *See*—
Rogers, Robert Edmund.
Takaki, Ralph N., doing business as Takaki Sanyo-Do, Honolulu, Territory of Hawaii. Medically impregnated plaster. Serial No. 571,061, Jan. 17. Class 18.
Takaki Sanyo-Do: *See*—
Takaki, Ralph N.
Tampax Incorporated, New York, N. Y., and Palmer, Mass. Vending machines. Serial No. 537,949, Jan. 17. Class 23.
Theodore Presser Company, The, Philadelphia, Pa. Monthly music magazine. Serial No. 571,240, Jan. 17. Class 38.
Tilo Roofing Company, Inc., Stratford, Conn. Shingles, sidings and sheets. Serial No. 524,637, Jan. 17. Class 12.
Towle Manufacturing Company, Newburyport, Mass. Sterling silver and sterling silver mounted flatware, hollow-ware and cutlery. Serial No. 557,478, Jan. 17. Class 28.
Troy, Seymour, New York, N. Y. Ladies' handbags. Serial No. 576,939, Jan. 17. Class 3.
Tube Turns, Inc., Louisville, Ky. Pipe and pipe fittings. Serial No. 554,177. Jan. 17. Class 13.
Tustin Hills Citrus Association, Tustin, Calif. Fresh citrus fruits. Serial No. 570,394, Jan. 17. Class 46.
United International Research, Inc., Newark, N. J. Shampoos, emulsifying agents, dyestuffs. Serial No. 557,786, Jan. 17. Class 52.
United Screw and Bolt Corporation, Chicago, Ill. Machine screws, wood screws, tapping screws and pipe plugs. Serial No. 521,945, Jan. 17. Class 13.
United States Finishing Company, The, Norwich, Conn. Finishing of textile fabrics. Serial No. 554,634, Jan. 17. Class 106.
Vallette, Paul, Watch Co., Inc., New York, N. Y. Watches and clocks and parts of them. Serial No. 574,272, Jan. 17. Class 27.
Victaulic Company of America, New York, N. Y. Portable hand operated pipe grooving tool. Serial No. 542,703, Jan. 17. Class 23.
Ward Baking Company, New York, N. Y. Bread. Serial No. 564,414, Jan. 17. Class 46.
Ward Baking Company, New York, N. Y. Cake. Serial No. 564,416, Jan. 17. Class 46.
Watenpuhl, Florence M., doing business as The Hos-Re-Kare Co., Milwaukee, Wis. Hosiery envelopes. Serial No. 551,212, Jan. 17. Class 2.
Webster Manufacturing Co., New York, N. Y. Mannequins and parts thereof. Serial No. 536,324, Jan. 17. Class 50.
Welco Feed Mfg. Co., Inc., Spencer, Iowa. Livstock feed. Serial No. 567,612, Jan. 17. Class 46.
Westvaco Chemical Corporation, now by merger to Food Machinery and Chemical Corporation, New York, N. Y. Magnesium compounds. Serial No. 563,959, Jan. 17. Class 6.
West Virginia Pulp and Paper Company, New York, N. Y. Book papers, writing papers, printing papers, etc. Serial No. 555,217, Jan. 17. Class 37.
Wheeler, Reynolds & Stauffer, San Francisco, Calif. Carbon bisulphide. Serial No. 530,609, Jan. 17. Class 6.
Whistling Oyster, The, Ogunquit, Maine. Pastries, breads, teas, spices and candies. Serial No. 564,492, Jan. 17. Class 46.
White Rock Supply Company, Dallas, Tex. Automotive anti-freese preparations. Serial No. 567,822, Jan. 17. Class 6.
White Turkey-Murray Hill, The, New York, N. Y. Purveying of food, beverages, and other refreshments. Serial No. 569,729, Jan. 17. Class 100.
Whitney Blake Company, The, Hamden, Conn. Insulated electric wires. Serial No. 570,011, Jan. 17. Class 21.
Wilbur-Ellis Company, San Francisco, Calif. Canned fish. Serial No. 553,231, Jan. 17. Class 46.
Winter, J. C., & Co., Inc., Red Lion, Pa. Chewing tobacco. Serial No. 565,595, Jan. 17. Class 17.
Winthrop-Stearns Inc., New York, N. Y. Tablets for sublingual administration of antiasthmatic preparations. Serial No. 568,084, Jan. 17. Class 18.
Wolfskill, S. Carl, doing business as York County Farms, Hanover, Pa. Fresh eggs. Serial No. 568,701, Jan. 17. Class 46.
Woodburn Manufacturing Co., Inc., Chicago, Ill. Toy electric vacuum sweepers, toy wood-burning sets, toy casting sets, etc. Serial No. 546,740, Jan. 17. Class 22.
Wyomissing Glazed Paper Company, West Reading, Pa. High gloss coated paper. Serial No. 565,896, Jan. 17. Class 37.
York County Farms: *See*—
Wolfskill, S. Carl.
Zermac Battery Manufacturing Co. Inc., Lubbock, Tex. Storage batteries. Serial No. 571,773, Jan. 17. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

AC Screen Process Company: *See*—
Allison, Thomas E.
Acorn Insulated Wire Company, Inc., Brooklyn, N. Y. Insulated electric wire and cable. 520,035, Jan. 17; Serial No. 562,297, published Oct. 11, 1949. Class 21.
Airborne Accessories Corporation, Hillside, N. J. Electro-mechanical apparatus in the nature of a rotary actuator. 520,030, Jan. 17; Serial No. 561,870, published Oct. 11, 1949. Class 21.
Alice Frock Company, San Francisco, Calif. Women's and children's wearing apparel. 519,942, Jan. 17; Serial No. 550,200, published Oct. 11, 1949. Class 39.
Alice Frock Company, San Francisco, Calif. Women's and children's wearing apparel. 519,948, Jan. 17; Serial No. 550,201, published Oct. 4, 1949. Class 39.
Allen Products Corporation, Detroit, Mich. Automobile accessories. 520,072, Jan. 17; Serial No. 566,738, published Oct. 11, 1949. Class 19.
Allied Chemical & Dye Corporation: *See*—
General Chemical Company.
Allison, Thomas E., doing business as AC Screen Process Company, Dallas, Tex. Decalcomanias. 520,065, Jan. 17; Serial No. 565,032, published Oct. 18, 1949. Class 38.
Altec Lansing Corporation: *See*—
Powers Cinephone Equipment Corporation.
Amal Limited: *See*—
Amalgamated Carburetters Limited.
Amalgamated Carburetters Limited, to Amal Limited, Birmingham, England. Carburettors, air cleaners for carburettors, and handlebar-control mechanism. 265,445, renewed Dec. 24, 1949. O. G. Jan. 17. Class 23.
American Blue Stone Co., Warsaw and New York, to American Blue Stone Co., Portageville, N. Y. Flagstones. 266,803, renewed Feb. 4, 1950. O. G. Jan. 17. Class 12.
American Eagle Fire Insurance Company, New York, N. Y. Underwriting of the following classes of insurance: Fire insurance, miscellaneous property insurance, water damage insurance; etc. 520,088, Jan. 17; Serial No. 532,423, published Oct. 4, 1949. Class 102.
American Laundry Machinery Company, The, Cincinnati, Ohio. Commercial laundry apparatus. 519,886, Jan. 17; Serial No. 533,377, published Nov. 9, 1948. Class 24.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead pencils. 262,648, renewed Oct. 15, 1949. O. G. Jan. 17. Class 37.
American Metal Company (Limited), The, New York, N. Y. Metal products. 282,235, Apr. 14, 1931. Amended. O. G. Jan. 17. Class 14.
American Molasses Company: *See*—
Lactein Co., The.
American Playsuit Co. Inc., New York, N. Y. Children's overalls, snow suits, and play suits. 519,928, Jan. 17; Serial No. 548,309, published Sept. 27, 1949. Class 39.
America's Own Match Company, by The Diamond Match Company, New York, N. Y. Matches. 407,427–8, June 6, 1944. Republished Jan. 17. Class 9.
America's Own Match Company, by The Diamond Match Company, New York, N. Y. Matches. 408,361, Aug. 8, 1944. Republished Jan. 17. Class 9.
America's Own Match Company, by The Diamond Match Company, New York, N. Y. Matches. 415,696, Aug. 14, 1945. Republished Jan. 17. Class 9.
Anabolic Food Products, Inc., Glendale, Calif. Monthly periodical. 443,689, Jan. 17; Serial No. 515,359, published Oct. 4, 1949. Class 38.
Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. 520,041, Jan. 17; Serial No. 562,440, published Oct. 4, 1949. Class 46.
Anchor Rubber Products, Inc., Cleveland, Ohio. Repair kits; bushings, and automobile muffler supports. 519,935, Jan. 17; Serial No. 549,604, published Sept. 20, 1949. Class 19.
Anchor Rubber Products, Inc., Cleveland, Ohio. Pads made of rubber and metal for automobile accelerator, brake, clutch, etc. 519,937–8, Jan. 17; Serial Nos. 549,605–6, published Sept. 20, 1949. Class 19.
Anderson-Prichard Oil Corporation, to Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Petroleum by-product. 267,838, renewed Mar. 4, 1950. O. G. Jan. 17. Class 6.
Anderson, R. E., Aurora, Ill. Space heaters, electric. 519,952, Jan. 17; Serial No. 552,563, published Oct. 4, 1949. Class 21.
Anglo-Swiss Condensed Milk Company, to The Nestlé Company, Inc., New York, N. Y. Milk-crude, condensed or sterilized; cream-crude, condensed or sterilized; etc. 34,413; re-renewed Apr. 3, 1950. O. G. Jan. 17. Class 46.
Anheuser-Busch, Inc., St. Louis, Mo. Barley malt syrup. 519,955, Jan. 17; Serial No. 553,238, published Oct. 4, 1949. Class 46.
Anice, New Canaan, Conn. Women's wear. 520,045, Jan. 17; Serial No. 562,684, published Oct. 18, 1949. Class 39.
Animal Trap Company of America: *See*—
Oneida Community, Limited.
Animal Trap Company of America, Lititz, Pa. Snares. 264,784, renewed Dec. 3, 1949. O. G. Jan. 17. Class 50.
Anré: *See*—
Koenig, Harry D., & Co., Inc.
Antibitol Company Limited: *See*—
La Cie Antibitol Limitee.
Antrim, C. W., & Sons, to C. W. Antrim & Sons, Richmond, Va. Coffee. 265,939, renewed Mar. 25, 1950. O. G. Jan. 17. Class 46.
Aris Gloves, Inc.: *See*—
Steinberger Bros. Glove Corp.
Armour and Company, Chicago, Ill. Fat back pork. 519,862, Jan. 17; Serial No. 526,944, published Oct. 11, 1949. Class 46.
Armstrong Paint & Varnish Works, Chicago, Ill. Casein paste paint. 519,899, Jan. 17; Serial No. 540,615, published Aug. 30, 1949. Class 16.
Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 520,081, Jan. 17; Serial No. 568,563, published Oct. 11, 1949. Class 19.
Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electric circuit makers and breakers, switches, and parts and combinations thereof. 519,888, Jan. 17; Serial No. 535,785, published Oct. 4, 1949. Class 21.
Art-Mor Togs Inc., New York, N. Y. Ladies' and misses' playsuits, overalls, ski suits, etc. 519,903, Jan. 17; Serial No. 542,067, published Oct. 4, 1949. Class 39.
Associated Distributors, Inc.: *See*—
Associated Products, Inc.
Associated Products, Inc., Chicago, Ill., by change of name from Associated Distributors, Inc., assignor to Chen Yu, Inc., New York, N. Y. Nail polish and lipstick. 519,841, Jan. 17; Serial No. 476,544, published Sept. 27, 1949. Class 51.
Attorney General of the United States: *See*—
Bosch, Robert, Aktiengesellschaft.
Aubrey & Company, Louisville, Ky. Horse, poultry, dairy, and stock feeds. 264,614, renewed Nov. 26, 1949. O. G. Jan. 17. Class 46.
Auburn Fruit Exchange, Auburn, Calif. Fresh deciduous fruits. 519,967, Jan. 17; Serial No. 555,481, published Oct. 4, 1949. Class 46.
Auto Lamp Manufacturing Co., Chicago, Ill. Electric lamps for vehicles, etc. 520,036, Jan. 17; Serial No. 562,303, published Oct. 4, 1949. Class 21.
Auto Trunk Distributors, Inc., Brooklyn, N. Y. Automobile seat covers and canvas tops. 519,859, Jan. 17; Serial No. 525,280, published Oct. 11, 1949. Class 19.
Automatic Electric Company, Chicago, Ill. Telephone switching equipment and apparatus and parts thereof. 519,992, Jan. 17; Serial No. 557,884, published Oct. 11, 1949. Class 21.
Avco Manufacturing Corporation, Detroit, Mich. Clothes washing machines. 519,976, Jan. 17; Serial No. 556,308, published Oct. 11, 1949. Class 24.
Bachmann Bros., Inc., Philadelphia, Pa. Sun glasses. 519,850, Jan. 17; Serial No. 519,166, published Sept. 13, 1949. Class 26.
Bailey's Beauticians' Supply Co., Chicago, Ill. Machine and machineless permanent wave solution. 520,103, Jan. 17; Serial No. 548,911. Class 51.
Bantam-Lite, Inc., New York, N. Y. Pocket electric flashlights. 520,037, Jan. 17; Serial No. 562,305, published Oct. 11, 1949. Class 21.
Barach & Hurwitz, Inc., by J. Barach, doing business as Julius Barach Co., New York, N. Y. Overcoats. 263,753, Nov. 12, 1929. Republished Jan. 17. Class 39.
Barach, Julius: *See*—
Barach & Hurwitz, Inc.
Barach, Julius Co.: *See*—
Barach & Hurwitz, Inc.
Barker Brands, Inc., Sea Bright, N. J. Chewing gum. 520,015, Jan. 17; Serial No. 560,528, published Sept. 27, 1949. Class 46.
Baron, Lawrence, Inc., Yonkers, N. Y. Prepared jelly, jam, and fruit preserves. 519,956, Jan. 17; Serial No. 553,259, published Oct. 4, 1949. Class 46.
Bartlett Hayward Division: *See*—
Koppers Company, Inc.
Barton, Clay, Whittier, Calif. Fluorescent lighting fixtures. 520,096, Jan. 17; Serial No. 520,921. Class 21.
Bead Chain Manufacturing Company, The, Bridgeport, Conn. Chains of metal. 266,449, renewed Jan. 21, 1950. O. G. Jan. 17. Class 13.
Beaver Meadow By-Products Corp., Dubois, Pa. Condensed buttermilk. 519,892, Jan. 17; Serial No. 538,346, published Oct. 4, 1949. Class 46.
Beecroft, P. G., Brawley, Calif. Fresh vegetables. 520,020, Jan. 17; Serial No. 561,222, published Sept. 27, 1949. Class 46.
Behrens, Armin A., New York, N. Y. Manipulatable slide chart. 519,982, Jan. 17; Serial No. 556,863, published Sept. 13, 1949. Class 26.
Belk's Buying Service, Incorporated, Charlotte, N. C. Women's slips. 519,978, Jan. 17; Serial No. 556,542, published Oct. 11, 1949. Class 39.

Bell & Gossett Company, Morton Grove, Ill. Electrically operated motorized valves, combination electrically operated motorized valves, etc. 519,857, Jan. 17; Serial No. 523,350, published Oct. 11, 1949. Class 21.

Bell & Gossett Company, Morton Grove, Ill. Electrically operated motorized valves, combination electrically operated motorized valves and electrical temperature controls therefor, etc. 519,878, Jan. 17; Serial No. 531,426, published Oct. 4, 1949. Class 21.

Bemis Bro. Bag Company, St. Louis, Mo., 519,846, Jan. 17. Cotton fabrics in the piece, Serial No. 512,763, published Mar. 29, 1949; Class 42; Tents, tarpaulins and waterproof fabric covers, etc., Serial No. 491,054, published July 27, 1948. Class 50. (Consolidated certificate, Classes 42 and 50.)

Besly, Charles H., and Company, Chicago, Ill. Industrial grinders. 519,925, Jan. 17; Serial No. 547,964, published Oct. 11, 1949. Class 23.

Bode, Joe C., Jr., doing business under the name Manson Distributors, Aurora, Ill. Hair shampoo. 520,059, Jan. 17; Serial No. 564,603, published Sept. 27, 1949. Class 52.

Boker, H., & Co., Inc., New York, N. Y. Certain cutlery and tools. 519,879, Jan. 17; Serial No. 532,550, published Oct. 4, 1949. Class 23.

Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany, vested in the Attorney General of the United States, Washington, D. C., and renewed to him. Carburetors and fuel-injection devices. 263,502, renewed Nov. 5, 1949. O. G. Jan. 17. Class 23.

Bowen Engineering, Inc., Garwood, N. J. Engineering service. 520,087, Jan. 17; Serial No. 530,461, published Oct. 4, 1949. Class 100.

Brandt, Louis, & Frére, by Omega Louis Brandt & Frére, S. A., Bienne, Switzerland. Watch movements and watch cases. 25,036, July 24, 1894. Republished Jan. 17. Class 27.

Brann, Donald R., Pleasantville, N. Y. Patterns and instructions for the construction of furniture, doll houses, toys, and the like. 519,855, Jan. 17; Serial No. 522,119, published Sept. 13, 1949. Class 26.

Breitung, Albert, by Albert Breitung, Inc., Chicago, Ill. Cigars. 73,878, May 25, 1909. Republished Jan. 17. Class 17.

Breitung, Albert, Inc.: *See*—
Breitung, Albert.

Breuer Electric Mfg. Co.: *See*—
Hansen, George H.

Brittains Limited, Staffordshire, England. Metal-coated paper used particularly in the construction of electrical condensers. 520,052, Jan. 17; Serial No. 563,897, published Oct. 4, 1949. Class 21.

Broadcasters' Guild, Inc., Kansas City, Mo., and Hollywood, Calif. Magnetic sound records. 520,014, Jan. 17; Serial No. 560,443, published Oct. 11, 1949. Class 21.

Brown-Brockmeyer Company, The, Dayton, Ohio. Electrical motors. 520,104, Jan. 17; Serial No. 548,916. Class 21.

Brown & Brown: *See*—
Brown, Samuel.

Brown Durrell Co., Boston, Mass., and New York, N. Y., to Brown Durrell Co., New York, N. Y. Hosiery. 268,179, renewed Mar. 11, 1950. O. G. Jan. 17. Class 39.

Brown, Samuel, doing business as Brown & Brown, Mobile, Ala. Canvas products. 520,117, Jan. 17; Serial No. 572,012. Class 50.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables and billiard cues. 515,087, Sept. 13, 1949. Corrected. O. G. Jan. 17. Class 22.

Buchanan Electrical Products Corporation, Elizabeth, N. J. Electrical products. 520,019, Jan. 17; Serial No. 561,073, published Oct. 4, 1949. Class 21.

Buchheit, Bernard H., Greensburg, Pa. Stage money. 520,063, Jan. 17; Serial No. 564,922, published Oct. 25, 1949. Class 38.

Buckeye Glove Co., Toledo, Ohio. Work gloves. 519,887, Jan. 17; Serial No. 535,478, published Mar. 2, 1948. Class 39.

Buda Company, The, Harvey, Ill. Diesel nozzle tester. 519,865, Jan. 17; Serial No. 527,753, published Sept. 13, 1949. Class 26.

Buffalo Oil Paint & Varnish Company, to McDougall-Butler Co., Inc., Buffalo, N. Y. Paint. 76,307, renewed Jan. 4, 1950. O. G. Jan. 17. Class 16.

Bulldog Electric Products Company, Detroit, Mich. Electrical conduit. 519,934, Jan. 17; Serial No. 549,417, published Oct. 11, 1949. Class 21.

Bush Brothers & Company, Dandridge, Tenn. Canned vegetables, pork and beans, hominy, etc. 520,028, Jan. 17; Serial No. 561,718 published Sept. 27, 1949. Class 46.

Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Metal electrode cartridges. 519,897, Jan. 17; Serial No. 540,519, published Oct. 18, 1949. Class 21.

Butler Engineering Company: *See*—
Butler, Edgar M.

Caldwell, Dick: *See*—
Caldwell, Richard W.

Caldwell, Richard W., doing business as Dick Caldwell and as Patty Pan Produce Company, Ramondville, Tex. Fresh vegetables. 520,018, Jan. 17; Serial No. 560,967, published Sept. 27, 1949. Class 46.

California Milling Corporation, by California Milling Corporation, Los Angeles, Calif. Wheat flour, whole-wheat flour, graham flour, etc. 255,490, Apr. 23, 1929. Republished Jan. 17. Class 46.

California Supply Company: *See*—
Nicolaisen, Harald K.

Callaway Mills Company: *See*—
Rockweave Mills, Division Callaway Mills.

Cape Ann Fisheries, Inc., Gloucester, Mass. Fresh fish, fish fillets, and frozen fish. 519,994, Jan. 17; Serial No. 558,108, published Oct. 4, 1949. Class 46.

Carberry Chemical Company: *See*—
Carberry, Edwin C.

Carberry, Edwin C., doing business as Carberry Chemical Company, Pawtucket, R. I. Special ready-mixed paint. 443,683, Jan. 17; Serial No. 511,672, published Oct. 11, 1949. Class 16.

Carlton-Best Made Company, Philadelphia, Pa. Women's and children's wearing apparel. 520,038, Jan. 17; Serial No. 562,318, published Oct. 18, 1949. Class 39.

Cascade Dryfruit Co.: *See*—
Safeway Stores, Incorporated.

Casco Products Corporation, Bridgeport, Conn. Hand held electric motor driven tool holders. 520,011, Jan. 17; Serial No. 560,382, published Oct. 4, 1949. Class 21.

Cellocraft Corporation, Chicago, Ill. Greeting cards. 520,050, Jan. 17; Serial No. 563,395, published Mar. 8, 1949. Class 38.

Chase-Shawmut Company, The, Newburyport, Mass. Plug type electric fuses and fuse links therefor. 520,116, Jan. 17; Serial No. 568,934. Class 21.

Chen Yu, Inc.: *See*—
Associated Products, Inc.

Chicago Railway Equipment Company, Chicago, Ill. Railway vehicle brake beams, brake beam heads, brake beam trusses, etc. 520,068, Jan. 17; Serial No. 565,529, published Sept. 13, 1949. Class 19.

Chicopee Mills, Inc.: *See*—
Chicopee Sales Corporation.

Chicopee Sales Corporation, New York, N. Y., now by change of name Chicopee Mills, Inc. Textile baby diapers, waterproofed textile diaper holders, disposable diaper pads, etc. 443,687, Jan. 17; Serial No. 513,295, published Oct. 4, 1949. Class 39.

Chique Foundations Corp., New York, N. Y. Girdles. 520,066, Jan. 17; Serial No. 565,115, published Oct. 18, 1949. Class 39.

Church Manufacturing Company, Inc., Middlebury, Ind. House trailers; and fishing, speed, and small pleasure boats. 519,926, Jan. 17; Serial No. 547,971, published Oct. 11, 1949. Class 19.

Ciba Limited: *See*—
Society of Chemical Industry in Basel.

Clarke Sanding Machine Company, The, Muskegon, Mich. Electrical apparatus. 519,845, Jan. 17; Serial No. 506,643, published Oct. 11, 1949. Class 21.

Clements Mfg. Co., Chicago, Ill. Electric vacuum cleaners and portable electric blowers. 520,056, Jan. 17; Serial No. 564,374, published Oct. 4, 1949. Class 21.

Clements Mfg. Co., Chicago, Ill. Electric vacuum cleaners and bags therefor. 520,057, Jan. 17; Serial No. 564,375, published Oct. 4, 1949. Class 21.

Cleveland Crane & Engineering Company, The, Wickliffe, Ohio. Overhead cranes, overhead conveyor type material handling systems, etc. 519,989, Jan. 17; Serial No. 557,500, published Oct. 11, 1949. Class 23.

Clover Farm Stores Corporation, Cleveland, Ohio. Paper plates, paper cups, and wooden plates. 520,046, Jan. 17; Serial No. 562,782, published Sept. 27, 1949. Class 2.

Cochran Co., Inc., Tracy, Calif. Fresh deciduous fruits and fresh vegetables. 519,962, Jan. 17; Serial No. 554,948, published Oct. 4, 1949. Class 46.

Cock 'N Bull Products, Hollywood, Calif. Plum pudding. 519,944, Jan. 17; Serial No. 550,386, published Oct. 4, 1949. Class 46.

Columbia Chemical Company, Inc., Chicago, Ill. Tablets. 520,073, Jan. 17; Serial No. 566,748, published Oct. 4, 1949. Class 18.

Columbia Phonograph Company, Inc., to Columbia Records Inc., Bridgeport, Conn. Electric phonographs and electric phonographs adapted for combination with radio receiving sets. 262,184, renewed Oct. 1, 1949. O. G. Jan. 17. Class 36.

Columbia Records Inc.: *See*—
Columbia Phonograph Company, Inc.

Compagnie Industrielle & Commerciale du Cycle & de L'Automobile, Les-Lilas (Seine), France. Electrically operated warning horns. 443,684, Jan. 17; Serial No. 512,244, published Oct. 4, 1949. Class 21.

Consolidated Packing Company, San Francisco, Calif. Raisins. 519,901, Jan. 17; Serial No. 541,405, published Oct. 11, 1949. Class 46.

Consumers Foodcraft Corporation, Brooklyn, N. Y. Enriching agent for foods, etc. 420,301, Apr. 2, 1946. Amended. O. G. Jan. 17. Class 46.

Corn Products Refining Company, New York, N. Y. Corn sugar. 519,957, Jan. 17; Serial No. 553,466, published Oct. 4, 1949. Class 46.

Corn Products Refining Company, New York, N. Y. Sugar for tanning leather and manufacturing purposes. 520,084, Jan. 17; Serial No. 569,436, published Oct. 4, 1949. Class 6.

Cummins Engine Company, Inc., Columbus, Ind. Internal combustion engines and parts thereof. 519,912, Jan. 17; Serial No. 544,256, published Oct. 18, 1949. Class 23.

Cussins and Fearn Company, The, Columbus, Ohio. Clothes washing machines, clothes ironing machines and mangles, etc. 519,953, Jan. 17; Serial No. 553,172, published Oct. 11, 1949. Class 24.

Cutino Company, The, Kansas City, Mo. Toothbrushes. 265,356, Dec. 24, 1929. Republished Jan. 17. Class 29.

Davey Compressor Company, Kent, Ohio. Portable air-compressors, stationary air compressors, truck power take-offs, etc. 519,874, Jan. 17; Serial No. 530,068, published Oct. 4, 1949. Class 23.

Davidson, R. M., Fort Worth, Tex. Western style clothing. 530,099, Jan. 17; Serial No. 545,100. Class 39.

Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Seafood products. 519,898, Jan. 17; Serial No. 540,527, published Oct. 4, 1949. Class 46.

Dawson Coal Company, Dawson Springs, Ky. Coal. 520,086, Jan. 17; Serial No. 578,922, published Oct. 4, 1949. Class 1.

Dayton Spice Mills Co., The, Dayton, Ohio. Roasted coffee. 46,365, Sept. 12, 1905. Republished Jan. 17. Class 46.

Deerfield Packing Corporation, Upper Deerfield, N. J., now by change of name Seabrook Farms Co. Canned vegetables. 519,958, Jan. 17; Serial No. 553,821, published Oct. 4, 1949. Class 46.

Delta Color Corporation, New York, N. Y. Ready-mixed water show card color. 519,842, Jan. 17; Serial No. 496,897, published Oct. 11, 1949. Class 16.

Derry-Made Products, Inc., Boston, Mass., to Rose-Derry Company, Newton, Mass. Mattresses. 267,021, renewed Feb. 11, 1950. O. G. Jan. 17. Class 32.

Detroit Yacht Club, Detroit, Mich. Periodicals. 520,054, Jan. 17; Serial No. 564,023, published Oct. 18, 1949. Class 38.

Diamond Expansion Bolt Co., by Diamond Expansion Bolt Company, Inc., Garwood, N. J. Metal conduit clamps, metal pipe clamps, metal pipe fittings, and metal conduit fittings. 262,363, Oct. 8, 1929. Republished Jan. 17. Class 13.

Diamond Expansion Bolt Co., by Diamond Expansion Bolt Company, Inc., Garwood, N. J. Metal clamps. 264,203, Nov. 19, 1929. Republished Jan. 17. Class 13.

Diamond Expansion Bolt Company, Inc.: *See*—
Diamond Expansion Bolt Co.

Diamond Match Company, The: *See*—
America's Own Match Company.
Diamond Match Co., The.

Diamond Match Co., The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 124,823, Mar. 18, 1919. Republished Jan. 17. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 171,995, Aug. 21, 1923. Republished Jan. 17. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 175,032, Oct. 30, 1923. Republished Jan. 17. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 189,981, Sept. 30, 1924. Republished Jan. 17. Class 9.

Diamond Match Company, The, Chicago, Ill., by The Diamond Match Company, New York, N. Y. Matches. 269,871, Apr. 22, 1930. Republished Jan. 17. Class 9.

Diamond Match Company, The, by The Diamond Match Company, New York, N. Y. Matches. 306,714–16, Sept. 26, 1933. Republished Jan. 17. Class 9.

Diamond Match Company, The, by The Diamond Match Company, New York, N. Y. Matches. 306,719, Sept. 26, 1933. Republished Jan. 17. Class 9.

Diamond Match Company, The, New York, N. Y. Matches. 421,351–2, May 28, 1946. Republished Jan. 17. Class 9.

Diamond Match Company, The, New York, N. Y. Matches. 421,713–12, June 11, 1946. Republished Jan. 17. Class 9.

Dietrich & Gambrill, Inc., Frederick, Md., and Lewisburg, Pa. Poultry feed, dairy feed, and horse feed. 519,932, Jan. 17; Serial No. 549,325, published Oct. 4, 1949. Class 46.

Dietz, R. E., Company, New York, N. Y. Oil-burning lanterns and parts thereof. 266,691, renewed Jan. 18, 1950. O. G. Jan. 17. Class 34.

Dixie Cream Donut Company: *See*—
Hubbs, Elmer A.

Dixie Cream Flour Company: *See*—
Hubbs, Elmer A.

Dr. Pepper Company, Dallas, Tex. Nonalcoholic maltless beverages, etc. 520,105, Jan. 17; Serial No. 554,776. Class 45.

Dold Packing Corporation, Buffalo, N. Y. Pure lard. 519,949, Jan. 17; Serial No. 551,622, published Oct. 4, 1949. Class 46.

Doniger, David D., & Co., Inc., New York, N. Y. Caps for men. 156,231, June 20, 1922. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., New York, N. Y. Sport wear. 236,466. Dec. 13, 1927. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., New York, N. Y. Sportswear. 312,221, Apr. 24, 1934. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., New York, N. Y. Sportswear. 327,274, Aug. 20, 1935. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., Inc., New York, N. Y. Men's and boys' sweaters, leather and cloth sport jackets, etc. 357,584, June 7, 1938. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., New York, N. Y. Men's, women's, and children's bathing trunks and bathing suits. 369,242, July 18, 1939. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Company, New York, N. Y. Shirts and slacks for men and boys. 381,923, Oct. 15, 1940. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., New York, N. Y. Sport coats for men and boys. 391,626, Nov. 18, 1941. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., New York, N. Y. Men's and boys' slacks, etc. 394,309, Mar. 31, 1942. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., New York, N. Y. Men's and boys' sports coats. 401,653, May 25, 1943. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., Inc., New York, N. Y. Men's and boys' sport and dress shirts, etc. 414,931, July 3, 1945. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., Inc., New York, N. Y. Men's, boys' and women's jackets, etc. 428,207, Mar. 11, 1947. Corrected. O. G. Jan. 17. Class 39.

Doniger, David D., & Co., Inc., New York, N. Y. Men's and boys' sweaters. 436,484, Feb. 10, 1948. Corrected. O. G. Jan. 17. Class 39.

Dorelis, Count, Ltd., New York, N. Y. Toilet water. 443,688, Jan. 17; Serial No. 513,389, published Oct. 4, 1949. Class 51.

Dracket Company, The, Cincinnati, Ohio. Chemical preparation having disinfecting and germicidal properties. 519,951, Jan. 17; Serial No. 552,386, published Sept. 13, 1949. Class 52.

Dreyfuss Co.: *See*—
Dreyfuss, Nelson.

Dreyfuss, Nelson, doing business as Dreyfuss Co., Buffalo, N. Y. Hair curling fluid. 520,110, Jan. 17; Serial No. 560,552. Class 51.

Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon and strip formed of non-ferrous alloys for electrical resistance use. 520,010, Jan. 17; Serial No. 560,250, published Oct. 11, 1949. Class 21.

Durakool, Inc., Elkhart, Ind. Electrical relays and switches. 520,055, Jan. 17; Serial No. 564,321, published Oct. 4, 1949. Class 21.

Duro-Test Corporation, North Bergen, N. J., and elsewhere in the United States. Fluorescent lamp tubes. 520,004, Jan. 17; Serial No. 559,591, published Oct. 11, 1949. Class 21.

Eastman Kodak Company, by Eastman Kodak Company, Rochester, N. Y. Photographic film. 261,621, Sept. 17, 1929. Republished Jan. 17. Class 26.

East Texas Creamery, Marshall, Tex. Ice cream. 519,970, Jan. 17; Serial No. 555,929, published Oct. 4, 1949. Class 46.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. 520,024, Jan. 17; Serial No. 561,618, published Sept. 27, 1949. Class 46.

Elderwood Citrus Association, Woodlake, Calif. Fresh citrus fruits. 520,025, Jan. 17; Serial No. 561,062, published Sept. 27, 1949. Class 46.

Electric Eye Equipment Company, Danville, Ill. Electronic equipment. 519,930–40, Jan. 17; Serial Nos. 549,790–1, published Sept. 13, 1949. Class 26.

Electric Service Manufacturing Company: *See*—
Electric Service Supplies Company.

Electric Service Supplies Company, to Electric Service Manufacturing Company, Philadelphia, Pa. Lightning arresters. 267,161, renewed Feb. 11, 1950. O. G. Jan. 17. Class 21.

Electrical Trade Publishing Company, Chicago, Ill., to McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical. 266,582, renewed Jan. 28, 1950. O. G. Jan. 17. Class 38.

El Reno Wholesale Grocery Company, El Reno, Okla., by The Instant Products Manufacturing Company, Omaha, Nebr. Coffee. 139,528, Feb. 8, 1921. Republished Jan. 17. Class 46.

Empire Petroleum Company, Denver, Colo. Asphalt primer, asphalt coating, asphalt fibre coating all in the nature of a paint, etc. 519,881, Jan. 17; Serial No. 532,922, published Oct. 18, 1949. Class 16.

Endel Pants Co., Inc., New York, N. Y. Boys' and men's trousers and boys', men's, and women's slacks. 520,107, Jan. 17; Serial No. 557,030. Class 39.

Endo Products Inc., Richmond Hill, N. Y. Medicine for treatment of varicose veins. 519,980, Jan. 17; Serial No. 556,786, published Oct. 4, 1949. Class 18.

Enzo Jel Company, Sheboygan, Wis. Gelatin, gelatin dessert preparation, fruit pectin, etc. 519,910, Jan. 17; Serial No. 543,909, published Oct. 4, 1949. Class 46.

E Z Paintr Corporation, Fond du Lac, Wis. Preparation in liquid form for cleaning paint brushes, and for the removal of undried paint. 520,023, Jan. 17; Serial No. 561,558, published Oct. 11, 1949. Class 16.

F. M. Food Products Company, Milwaukee, assignor to Kiddie Kookies Co., Fairwater, Wis. Cookies. 519,843, Jan. 17; Serial No. 497,383, published Oct. 11, 1949. Class 46.

Fabbrica Automobili e Velocipedi Edoardo Bianchi, Milan, Italy. Bicycles and motor cycles. 443,690, Jan. 17; Serial No. 515,947, published Oct. 11, 1949. Class 19.
Faber, A. W.-Castell Pencil Co., Inc.: *See*—
Faber, A. W.
Faber, A. W., Stein, Germany, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Rubber bands. 73,469, re-renewed Apr. 20, 1949. O. G. Jan. 17. Class 37.
Faber, A. W., Stein, near Nuremberg, and Berlin, Germany, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Lead pencils, colored pencils and copying ink pencils, etc. 76,049, re-renewed Dec. 7, 1949. O. G. Jan. 17. Class 37.
Faber, A. W., Stein, Germany, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Rubber bands. 76,110, renewed Dec. 14, 1949. O. G. Jan. 17. Class 37.
Fairmont Canning Company, Fairmont, Minn. Canned vegetables. 519,919, Jan. 17; Serial No. 546,689, published Oct. 4, 1949. Class 46.
Fawcett Publications, Inc., Greenwich, Conn. Monthly publications. 520,032, Jan. 17; Serial No. 562,034, published Oct. 18, 1949. Class 38.
Fellows & Hopkins, to Ideal Wrapping Machine Company, Middletown, N. Y. Wrapping-machines. 76,145, re-renewed Dec. 21, 1949. O. G. Jan. 17. Class 23.
Fernandez, Edmundo B., Bayamon, P. R. "Alcoholado." 182,724, Apr. 15, 1924. Republished Jan. 17. Class 6.
First Industrial Corporation, Freeport, Ill. Electrically operated interlocks for power consuming apparatus. 520,005, Jan. 17; Serial No. 559,694, published Oct. 11, 1949. Class 21.
Firth Sterling Steel & Carbide Corp.: *See*—
Firth-Sterling Steel Company.
Firth-Sterling Steel Company, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa. Alloys and metal aggregate compositions and metals. 263,980, renewed Nov. 12, 1949. O. G. Jan. 17. Class 14.
Firth-Sterling Steel Company, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa. Alloys and metal aggregate compositions and metals. 264,739, renewed Dec. 3, 1949. O. G. Jan. 17. Class 14.
Firth-Sterling Steel Company, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa. Tools. 267,884–5, renewed Mar. 4, 1950. O. G. Jan. 17. Class 23.
Flavour Candy Company, The, Chicago, Ill. Candy. 519,941, Jan. 17; Serial No. 549,796, published Oct. 4, 1949. Class 46.
Ford, Frank R., Limited (1937): *See*—
Ford, Frank R., Limited.
Ford, Frank R., Limited, Small Heath, Birmingham, by Frank R. Ford Limited (1937), Birmingham, England. Duplicating, manifolding, and copying apparatus. 343,457, Feb. 23, 1937. Republished Jan. 17. Class 23.
Foster and Kleiser Company, San Francisco, Calif. Billboard posters. 443,662, Jan. 17; Serial No. 520,551, published Oct. 18, 1949. Class 38.
Franco-Italian Packing Company, Terminal Island, Calif. Canned tuna. 519,885, Jan. 17; Serial No. 534,526, published Oct. 4, 1949. Class 46.
French, R. T., Company, The, Rochester, N. Y. Bird food and pet supplies. 519,858, Jan. 17; Serial No. 524,451, published Oct. 4, 1949. Class 46.
Friedrichs, E. H. & A. C., Co., New York, N. Y. Artists' oil and water colors, and artists' varnishes and mediums. 519,923, Jan. 17; Serial No. 547,537, published Oct. 11, 1949. Class 16.
Frito Company, The, Dallas, Tex. Candy, shelled salted peanuts, and corn chips. 519,950, Jan. 17; Serial No. 552,140, published Oct. 4, 1949. Class 46.
Frontier Products Company, St. Louis, Mo. Composition for general use as a disinfectant, deodorant, etc. 519,866, Jan. 17; Serial No. 527,761, published Apr. 26, 1949. Class 6.
Fruit Belt Preserving Company, East Williamson, N. Y. Sliced apples. 519,880, Jan. 17; Serial No. 532,582, published Oct. 4, 1949. Class 46.
Fruit Growers Service Co.: *See*—
Sexton, Sidney A.
Gahns, Henrik, Aktiebolag, Upsala and Stockholm, Sweden, to Henrik Gahns Aktiebolag, Uppsala, Sweden. Cosmetics, 265,162, renewed Dec. 17, 1949. O. G. Jan. 17. Class 51.
Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 265,849, renewed Jan. 7, 1950. O. G. Jan. 17. Class 35.
Gaylord Container Corporation: *See*—
Gaylord, Robert, Incorporated.
Gaylord, Robert, Incorporated, to Gaylord Container Corporation, St. Louis, Mo. Fibreboard packing cases. 268,397, renewed Mar. 11, 1950. O. G. Jan. 17. Class 2.
Gebhardt Chili Powder Company, San Antonio, Tex. Chili con carne, chili powder, sandwich spread, etc. 267,315, renewed Feb. 18, 1950. O. G. Jan. 17. Class 46.
Genatosan Limited, Loughborough, England. Dietetic foods. 519,918, Jan. 17; Serial No. 546,385, published Oct. 4, 1949. Class 46.
General Baking Company, New York, N. Y. Bread. 265,108, renewed Dec. 17, 1949. O. G. Jan. 17. Class 46.
General Baking Company, New York, N. Y. Bread, rolls, doughnuts, cookies, and cake. 266,338, renewed Jan. 14, 1950. O. G. Jan. 17. Class 46.
General Chemical Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Reagent chemicals. 519,893, Jan. 17; Serial No. 539,305, published Sept. 27, 1949. Class 6.
General Time Corporation: *See*—
Western Clock Company.
George, F. C., Machine Co.: *See*—
George Frank C.
George, Frank C., doing business under the name and style of F. C. George Machine Co., Orlando, Fla. Vibratory type cement block-making machines. 520,090, Jan. 17; Serial No. 474,446. Class 23.
Gilman Paint and Varnish Company, Chattanooga, Tenn. Paint. 520,079, Jan. 17; Serial No. 567,632, published Oct. 11. 1949. Class 16.
Gilman Paper Company, New York, N. Y. Paper bags. 267,795, renewed Mar. 4, 1950. O. G. Jan. 17. Class 2.
Glaser, Crandell Co., Chicago, Ill. Candied sweet pickles. 520,026, Jan. 17; Serial No. 561,667, published Sept. 27, 1949. Class 46.
Goldberg, Joseph, & Sons, Inc., Paterson, N. J. Ladies' suits and coats. 520,111, Jan. 17; Serial No. 560,806. Class 39.
Good Luck Glove Company, Carbondale, Ill. Work glove. 519,871, Jan. 17; Serial No. 529,019, published Oct. 11, 1949. Class 39.
Goodding, R. A., College Point, N. Y. Liniment. 520,080, Jan. 17; Serial No. 567,737, published Oct. 4, 1949. Class 18.
Gordon Baking Co., Detroit, Mich. Bread, rolls and coffee cakes. 519,854, Jan. 17; Serial No. 521,877, published Oct. 4 1949. Class 46.
Gosse, F. A., Company, Seattle, Wash. Canned salmon. 520,012, Jan. 17; Serial No. 560,401, published Sept. 27. 1949. Class 46.
Gosse, F. A., Company, Seattle, Wash. Canned salmon. 520,013, Jan. 17; Serial No. 560,403, published Oct. 4, 1949. Class 46.
Gosse, F. A., Company, Seattle, Wash. Canned fish. 520,016, Jan. 17; Serial No. 560,757, published Sept. 27 1949. Class 46.
Grainick Brothers, Incorporated, Philadelphia, Pa. Overnight cases, wardrobes, pullmans, etc. 520,118, Jan. 17; Serial No. 574,507. Class 3.
Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. 268,018, renewed Mar. 4, 1950. O. G. Jan. 17. Class 12.
Grossman, L., & Son, New York, N. Y. Ladies and misses' coats, suits, skirts, etc. 520,106, Jan. 17; Serial No. 556 261. Class 39.
Halleman, George E., Jr., Wheaton, Ill. Candied and salted popcorn, potato chips, and candy. 520,091, Jan. 17; Serial No. 500,614. Class 46.
Hanover Rubber Company, West Hanover, Mass. Rubber heels, soles, and half soles. 267,934, renewed Mar. 4, 1950. O. G. Jan. 17. Class 39.
Hansen, George H., Philadelphia, Pa., by Breuer Electric Mfg. Co., Chicago, Ill. Electrically-driven portable electric cleaning blowers and suction cleaners and sprayers, etc. 266,321, Jan. 14, 1930. Republished Jan. 17. Class 21.
Harley-Davidson Motor Company, Milwaukee, Wis. Synthetic enamels, varnish, and liquid polish and cleaner. 519,875, Jan. 17; Serial No. 531,114, published Oct. 11, 1949. Class 16.
Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycles, side-cars, and three-wheeled service and delivery vehicles. 519,876, Jan. 17; Serial No. 531,116, published Oct. 11, 1949. Class 19.
Harris, Arthur O., Buffalo, N. Y. Publication. 520,061, Jan. 17; Serial No. 564,725, published Oct. 18, 1949. Class 38.
Hat Corporation of America, Norwalk, Conn. Felt, cloth, and straw hats for women. 519,905, Jan. 17; Serial No. 543,445, published Oct. 4, 1949. Class 39.
Heide Babe Products, Chicago, Ill. Children's bibs. 520,108, Jan. 17; Serial No. 557,039. Class 39.
Hendey Machine Company, The, Torrington, Conn. Lathes, shapers, milling machines and centering machines. 520,053, Jan. 17; Serial No. 563,998, published Oct. 4, 1949. Class 23.
Hollister, Lloyd, Inc., Wilmette, Ill. Periodical. 261,333, renewed Sept. 17, 1949. O. G. Jan. 17. Class 38.
Hollister, Lloyd, Inc., Wilmette, Ill. Periodical. 261,512–3, renewed Sept. 17, 1949. O. G. Jan. 17. Class 38.
Holly Sugar Corporation, Colorado Springs, Colo. Sugar. 519,869, Jan. 17; Serial No. 528,098, published Oct. 11, 1949. Class 46.
Home Products Manufacturing Co., Inc., Norfolk, Va. Ironing boards. 520,093, Jan. 17; Serial No. 507,636. Class 24.
Hubbs, Elmer A., doing business as Dixie Cream Donut Company, Dallas, Tex., by Dixie Cream Flour Company, St. Louis, Mo. Doughnuts and doughnut flour. 309,368, Jan. 9, 1934. Republished Jan. 17. Class 46.
Hubinger Company, The, Keokuk, Iowa. Liquid starch for laundering. 520,051, Jan. 17; Serial No. 563,479, published Oct. 4, 1949. Class 6.
Hudson American Corporation, assignor to Jewel Radio Corporation, New York, N. Y. Radio receiving sets and parts thereof. 443,679, Jan. 17; Serial No. 494,607, published June 1, 1948. Class 21.

Hudson, H. D. Manufacturing Company, Chicago, Ill. Electrical stock tank heaters. 520,097, Jan. 17; Serial No. 536,255. Class 21.
Ideal Wrapping Machine Company: *See*—
Fellows & Hopkins.
Imperial Publishers, Howells, Nebr. Printed birth announcements. 519,973, Jan. 17; Serial No. 556,099, published Oct. 18, 1949. Class 38.
Industrial Oil Corporation, Warren, Pa. Anti-freeze fluid. 443,681, Jan. 17; Serial No. 504,276, published Sept. 27, 1949. Class 6.
Instant Products Manufacturing Company, The: *See*—
El Reno Wholesale Grocery Company.
Interchemical Corporation, New York, N. Y. Emulsified composition resembling paint. 519,861, Jan. 17; Serial No. 526,563, published Oct. 11, 1949. Class 16.
International Association, High Twelve Clubs, St. Louis, Mo. Monthly magazine. 443,695, Jan. 17; Serial No. 526,236, published Oct. 18, 1949. Class 38.
International Harvester Company: *See*—
International Harvester Company of America.
International Harvester Company of America, by International Harvester Company, Chicago, Ill. Monthly periodical. 127,955, Dec. 16, 1919. Republished Jan. 17. Class 38.
International Minerals and Chemical Corporation, Chicago, Ill. Food savoring powders. 519,882, Jan. 17; Serial No. 532,976, published Oct. 11, 1949., Class 46.
International Products Corporation, assignor to Pemco Corporation, Baltimore, Md. Ceramic overglaze colors; ceramic engobes colors; ceramic underglaze colors, etc. 519,877, Jan. 17; Serial No. 531,328, published Oct. 18, 1949. Class 16.
Interstate Amiesite Co., Inc., The, Wilmington, Del. Bituminous paving material. 520,101, Jan. 17; Serial No. 545,990. Class 12.
Interstate Concrete Products, Inc., Port Chester, N. Y. Concrete burial vaults. 520,017, Jan. 17; Serial No. 560,893, published Sept. 27, 1949. Class 2.
Janszen Company, The, Cincinnati, Ohio. Coffee; canned fruits. 269,500, renewed Apr. 8, 1950. O. G. Jan. 17. Class 46.
Jewel Radio Corporation: *See*—
Hudson American Corporation.
Joles, Bessie L., Eau Claire, Wis., to Bessie L. Joles, Stevens Point, Wis. Medicinal preparation. 268,702, renewed Mar. 18, 1950. O. G. Jan. 17. Class 18.
Jones Dairy Farm, Fort Atkinson, Wis. Ham. 519,895, Jan. 17; Serial No. 540,192, published Oct. 4, 1949. Class 46.
Kafka, A., & Co., Inc.: *See*—
Thalheimer, Emanuel H.
Kaleidoscope, Inc., New York, N. Y. Periodical. 520,062, Jan. 17; Serial No. 564,878, published Oct. 18, 1949. Class 38.
Karahadian, Kay, Los Angeles and Thermal, Calif. Fresh grapes. 520,027, Jan. 17; Serial No. 561,673, published Oct. 4, 1949. Class 46.
Kaumagraph Company, Wilmington, Del. Transfers, printed hosiery and lingerie wraps, rider tickets, etc. 519,922, Jan. 17; Serial No. 547,256, published Oct. 18, 1949. Class 38.
Keasbey & Mattison Company: *See*—
Turner Bros. Ltd.
Keep, O. D., Associates, Inc., Los Angeles, Calif. Magazine. 519,848, Jan. 17; Serial No. 514,353, published Oct. 18, 1949. Class 38.
Kelly, William, Milling Company, The, Hutchinson, Kans. Wheat flour. 519,913, Jan. 17; Serial No. 545,130, published Oct. 4, 1949. Class 46.
Kelly, William, Milling Company, The, Hutchinson, Kans. Wheat flour. 519,914, Jan. 17; Serial No. 545,132, published Oct. 4, 1949. Class 46.
Kemp, E. F., Inc.: *See*—
Kemp, Edward F.
Kemp, Edward F., by E. F. Kemp, Inc., Somerville, Mass. Candy; nuts; candied pop corn, and biscuits. 265,174, Dec. 17, 1929. Republished Jan. 17. Class 46.
Kemp, Edward F., by E. F. Kemp, Inc., Somerville, Mass. Candy; nuts; candied pop corn, and biscuits. 265,186, Dec. 17, 1929. Republished Jan. 17. Class 46.
Kiddie Kookies Co.: *See*—
F. M. Food Products Company.
King Pharr Canning Operations, Inc., Laurel, Miss. Canned vegetables. 520,022, Jan. 17; Serial No. 561,387, published Oct. 4, 1949. Class 46.
Kingston Products Co.: *See*—
Kingston, R. H., Jr.
Kingston, R. H., Jr., doing business as Kingston Products Co., New York, N. Y. Switch wall plates. 520,047, Jan. 17; Serial No. 562,783, published Oct. 11, 1949. Class 21.
Kinston Free Press Company, Inc., Kinston, N. C. Daily newspaper. 520,069, Jan. 17; Serial No. 566,236, published Oct. 18, 1949. Class 38.
Koenig, Harry D., & Co., Inc., doing business under the name of Anré, New York, N. Y. Hormone cream for scalp and hair. 520,083, Jan. 17; Serial No. 569,381, published Oct. 4, 1949. Class 51.
Koerner, John, Sons, Inc., Brooklyn, N. Y. Automotive truck bodies. 520,042, Jan. 17; Serial No. 562,559, published Oct. 11, 1949. Class 19.
Kohrs, Lewis, Company, The: *See*—
Kohrs, Lewis P.

Kohrs, Lewis P., doing business as The Lewis Kohrs Company, Berkeley, Calif. Printed illustrations, pictures, drawings, etc. 443,685, Jan. 17; Serial No. 512,782, published Oct. 18, 1949. Class 38.
Koppers Company, Inc., doing business as Bartlett Hayward Division, Baltimore, Md. Airplane propellers, propeller hubs, and propeller assemblies. 437,418, Mar. 23, 1948. Republished Jan. 17. Class 19.
Krell Buick, Inc., Fargo, N. Dak. Automobiles, trucks, buses, etc. 519,979, Jan. 17; Serial No. 556,638, published Sept. 20, 1949. Class 19.
Krem-Ko Company, to Krim-Ko Corporation, Chicago, Ill. Nonalcoholic, noncereal, maltless beverages. 267,360, renewed Feb. 18, 1950. O. G. Jan. 17. Class 45.
Kresge Department Store Corporation, by Kresge-Newark, Inc., Newark, N. J. Shoes, sandals, and boots. 262,235, Oct. 1, 1929. Republished Jan. 17. Class 39.
Kresge Department Store Corporation, by Kresge-Newark, Inc., Newark, N. J. Powdered alum, sodium bicarbonate, powdered borax, etc. 262,867, Oct. 29, 1929. Republished Jan. 17. Classes 1 and 6.
Kresge Department Store Corporation, by Kresge-Newark, Inc., Newark, N. J. Men's, boys', and youths' suits, overcoats, topcoats, etc. 264,659, Dec. 3, 1929. Republished Jan. 17. Class 39.
Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.
Krim-Ko Corporation: *See*—
Krem-Ko Company.
Kuamagraph Company, Wilmington, Del. Transfers, printed hosiery and lingeries wraps, rider tickets, etc. 519,924, Jan. 17; Serial No. 547,555, published Oct. 18, 1949. Class 38.
Laboratory Furniture Company, Inc., Long Island City, N. Y. Tables, desks, benches, and cabinets specifically designed and constructed for laboratory and scientific purposes. 519,856, Jan. 17; Serial No. 522,506, published Sept. 13, 1949. Class 26.
La Cie Antibitol Limitee, also doing business as Antibitol Company Limited, Montreal, Quebec, Canada. Medicinal preparations. 520,113, Jan. 17; Serial No. 561,927. Class 18.
Lactein Co., The, San Francisco, Calif., to American Molasses Company, New York, N. Y. Sugar. 264,215, renewed Nov. 19, 1949. O. G. Jan. 17. Class 46.
Lady Leisure, Inc., Rochester, N. Y. Jellies. 519,908, Jan. 17; Serial No. 543,814, published Oct. 4, 1949. Class 46.
Lamb Fruit Company, The, Yakima, Wash. Fresh deciduous fruits. 519,987, Jan. 17; Serial No. 557,363, published Oct. 4, 1949. Class 46.
La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Wagons. 519,947, Jan. 17; Serial No. 551,388, published Oct. 11, 1949. Class 19.
Lehon Company, The, Chicago, Ill. Automobile floor covers and running board covers, automobile radiator covers, cab curtains, etc. 443,693, Jan. 17; Serial No. 520,731, published Oct. 11, 1949. Class 19.
Liberty Orchards Company, Cashmere, Wash. Candy. 520,001, Jan. 17; Serial No. 559,233, published Oct. 18, 1949. Class 46.
Lindemann, A. J., & Hoverson Company, Milwaukee, Wis. Electrical water tank heating apparatus. 519,968, Jan. 17; Serial No. 555,545, published Oct. 4, 1949. Class 21.
Linderman, G. B., Corporation, Hagerstown, Md. Electronic speed control devices. 443,678, Jan. 17; Serial No. 493,134, published Oct. 18, 1949. Class 21.
Little Grey Gift Shop, New York, N. Y. Repairing china, bric-a-brac, jewelry, silverware, etc. 520,119, Jan. 17; Serial No. 569,384. Class 103.
Livingston & Livingston, New York, N. Y. Ladies', misses', and girls' blouses and waists. 519,945, Jan. 17; Serial No. 550,526, published Oct. 4, 1949. Class 39.
Locker Publications Company: *See*—
Whitehead, George W.
Londex Limited, London, England. Instruments and apparatus for indicating or measuring the flow of gases or liquids, etc. 443,680, Jan. 17; Serial No. 497,728, published Sept. 13, 1949. Class 26.
Lutterworth Periodicals Limited, London, Redhill, England. Periodical printed publications. 520,070, Jan. 17; Serial No. 566,391, published Oct. 18, 1949. Class 38.
Macfadden Publications, Inc., New York, N. Y. Magazine feature. 520,078, Jan. 17; Serial No. 567,417, published Oct. 25, 1949. Class 38.
MaGirl Foundry & Furnace Co.: *See*—
Ma Girl, P. H., Foundry & Furnace Works.
Ma Girl, P. H., Foundry & Furnace Works, to MaGirl Foundry & Furnace Co., Bloomington, Ill. Furnaces, heating systems, and parts thereof. 269,259, renewed Apr. 1, 1950. O. G. Jan. 17. Class 34.
Maillard Corp., The, New York, N. Y. Candy boxes. 520,102, Jan. 17; Serial No. 546,716. Class 2.
Mandel & Cohen, by M. Mandel, New York, N. Y. Knitted underwear for women and children. 236,898, Dec. 27, 1927. Republished Jan. 17. Class 39.
Mandel & Cohen, by M. Mandel, New York, N. Y. Hosiery and knitted underwear for women and children. 240,211, Mar. 20, 1928. Republished Jan. 17. Class 39.
Mandel, Max: *See*—
Mandel & Cohen.

Manning, Maxwell & Moore, Inc., New York, N. Y. Electrically driven hoists and travelling cranes. 519,891, Jan. 17; Serial No. 537,603, published Oct. 11, 1949. Class 21.

Manson Distributors: *See*—
Bode, Joe C., Jr.

Marvel Industries, Inc., Detroit, Mich. Mechanical couplers and hoists and combined couplers and hoists. 519,907, Jan. 17; Serial No. 543,727, published Oct. 18, 1949. Class 23.

Matthews, W. N., Corporation, St. Louis, Mo. Electrical line construction supplies, etc. 519,863, Jan. 17; Serial No. 527,131, published Mar. 15, 1949. Class 21.

McColpin-Christie Corporation, Ltd., Los Angeles, Calif. Direct-current electric power supply units of the rectifier type; battery chargers of the rectifier type, etc. 519,904, Jan. 17; Serial No. 542,150, published Oct. 18, 1949. Class 21.

McDougall-Butler Co., Inc.: *See*—
Buffalo Oil Paint & Varnish Company.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Electric switch mechanisms. 519,936, Jan. 17; Serial No. 540,644, published Oct. 4, 1949. Class 21.

McGraw-Hill Publishing Company: *See*—
Electrical Trade Publishing Company.

McKim Dental Service: *See*—
McKim, Orville E.

McKim, Orville E., doing business as McKim Dental Service, Port Chester, N. Y. Deodorising solutions. 413,604, May 1, 1945. Republished Jan. 17. Class 6.

McPhillips Packing Corporation, Bayou La Batre, Ala. Canned oysters. 519,860, Jan. 17; Serial No. 525,638, published Oct. 11, 1949. Class 46.

Menasha Wooden Ware Corporation, Menasha, Wis. Wood framed fibre boxes. 520,115, Jan. 17; Serial No. 565,881. Class 2.

Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Bottle washing machines, bottle filling machines, and pasteurizers. 519,847, Jan. 17; Serial No. 514,212, published Oct. 4, 1949. Class 23.

Miami Beach Publishing Company, Miami Beach, Fla. Weekly newspaper. 520,007, Jan. 17; Serial No. 559,853, published Oct. 18, 1949. Class 38.

Mido Societe Anonyme, Bienne, Switzerland. Watches, watch casings, and parts of watches. 424,613, Oct. 15, 1946. Republished Jan. 17. Class 27.

Mido Societe Anonyme, Bienne, Switzerland. Watches, watch casings, and parts of watches. 432,222, Aug. 26, 1947. Republished Jan. 17. Class 27.

Mido Societe Anonyme, Bienne, Switzerland. Watches, watch casings, and parts of watches. 434,277, Nov. 18, 1947. Republished Jan. 17. Class 27.

Mido Societe Anonyme, Bienne, Switzerland. Watches, watch casings, and parts of watches. 439,665, July 13, 1948. Republished Jan. 17. Class 27.

Miller Electric Manufacturing Company, Appleton, Wis. Electric welding apparatus. 519,898, Jan. 17; Serial No. 558,908, published Oct. 11, 1949. Class 21.

Milprint, Inc., Milwaukee, Wis. Commodity and merchandising pouches and bags, etc. 519,844, Jan. 17; Serial No. 503,822, published Sept. 13, 1949. Class 2.

Minneapolis Brewing Company, Minneapolis, Minn. Beer. 520,100, Jan. 17; Serial No. 545,148. Class 48.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switches. 519,867, Jan. 17; Serial No. 527,763, published Sept. 13, 1949. Class 26.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combined thermometer and thermostatic control unit. 519,868, Jan. 17; Serial No. 527,815, published Sept. 13, 1949. Class 26.

Mission Citrus Association, Redlands, Calif. Fresh citrus fruits. 520,002–3, Jan. 17; Serial Nos. 559,529–30, published Sept. 27, 1949. Class 46.

Mitts & Merrill, Saginaw, Mich. Key-seating machines. 76,096, re-renewed Feb. 8, 1950. O. G. Jan. 17. Class 23.

Monk Machine & Tool Company, Port Huron, Mich. Woodworking machinery, and work checking and holding fixtures. 519,959, Jan. 17; Serial No. 553,969, published Oct. 4, 1949. Class 23.

Mobile Communications Company, Long Beach, Calif. Two-way radio communication sets. 519,851, Jan. 17; Serial No. 519,537, published Mar. 1, 1949. Class 21.

Modell, Henry, & Co., Inc., New York, N. Y. Bicycles. 519,900, Jan. 17; Serial No. 541,162, published Oct. 11, 1949. Class 19.

Molle Company, The, Cleveland, Ohio, to Sterling Drug Inc., New York, N. Y. Toilet preparations. 268,971, renewed Mar. 25, 1950. O. G. Jan. 17. Class 51.

Monsanto Chemical Company: *See*—
Monsanto Chemical Works.

Monsanto Chemical Works, to Monsanto Chemical Company, St. Louis, Mo. Acetanilid, acetphenetidin (phenacetin), acid salicylic, etc. 265,126, renewed Dec. 17, 1949. O. G. Jan. 17. Class 6.

Monsanto Chemical Works, to Monsanto Chemical Company, St. Louis, Mo. Plasticisers or softeners. 265,127, renewed Dec. 17, 1949. O. G. Jan. 17. Class 6.

Moore, William S., doing business as Moore's of Ohio, Newark, Ohio. Electrical clothes washing machines. 519,988, Jan. 17; Serial No. 557,461, published Oct. 11, 1949. Class 24.

Moore's of Ohio: *See*—
Moore, William S.

Morey Mercantile Company, The, Denver, Colo. Canned fruits and vegetables, preserved fruits, jams, etc. 519,985, Jan. 17; Serial No. 557,147, published Oct. 11, 1949. Class 46.

Morey Mercantile Company, The, Denver, Colo. Jelly powders, bars of chocolate, barley, etc. 519,986, Jan. 17; Serial No. 557,148, published Oct. 4, 1949. Class 46.

Mountain View Fruit Association, also doing business as Mountain View Orange and Lemon Growers Association, Upland, Calif. Fresh citrus fruits. 519,916, Jan. 17; Serial No. 545,593, published Oct. 4, 1949. Class 46.

Mountain View Orange and Lemon Growers Association: *See*—
Mountain View Fruit Association.

Naas Corporation of Indiana, The, Portland, Ind. Tomato catsup, chili sauce, etc. 519,883, Jan. 17; Serial No. 533,349, published Oct. 4, 1949. Class 46.

Nachman Corporation: *See*—
Nachman Springfilled Corporation.

Nachman Springfilled Corporation, by Nachman Corporation, Chicago, Ill. Upholstery spring constructions. 357,610, June 7, 1938. Republished Jan. 17. Class 32.

Nail Corporation, The, St. Charles, Ill. Radial arm woodworking machinery, radial arm saws, mechanical portable saws, etc. 520,098, Jan. 17; Serial No. 543,827. Class 23.

National Cash Register Company, The, Dayton, Ohio. Calculating, computing, and accounting machines, etc. 268,815, renewed Mar. 18, 1950. O. G. Jan. 17. Class 26.

Neilson Chemical Company, Detroit, Mich. Chemical preparation for heavy rust and scale removal. 520,092, Jan. 17; Serial No. 504,200. Class 52.

Nestlé Company, Inc.: *See*—
Nestlé's Food Company, Inc.

Nestlé Company, Inc., The: *See*—
Anglo-Swiss Condensed Milk Company.

Nestlé's Food Company, Inc., to Nestlé Company, Inc., New York, N. Y. Condensed milk, evaporated milk, powdered milk, malted milk, and cheese. 269,340, renewed Apr. 1, 1950. O. G. Jan. 17. Class 46.

New England Provision Co., Inc., Boston, Mass. Frankfurts, beef sausage, pork sausage, etc. 519,870, Jan. 17; Serial No. 528,141, published Oct. 4, 1949. Class 46.

Newport Company, The, Carrollville, Wis., to Newport Industries, Inc., Pensacola, Fla. Rosin. 264,640, renewed Dec. 3, 1949. O. G. Jan. 17. Class 1.

Newport Industries, Inc.: *See*—
Newport Company, The.

Niagara Fire Insurance Company, New York, N. Y. Underwriting fire insurance, miscellaneous property insurance, etc. 520,089, Jan. 17; Serial No. 532,479, published Oct. 4, 1949. Class 102.

Nicolaisen, Harald K., doing business as California Supply Company, San Francisco, Calif. Tomato catsup and canned tomatoes. 519,995, Jan. 17; Serial No. 558,236. published Oct. 4, 1949. Class 46.

Noesting Pin Ticket Company, Incorporated: *See*—
Universal Novelty Company.

Nopco Chemical Company, Harrison, N. J. Sulfonated oils. 519,872, Jan. 17; Serial No. 520,812, published Oct. 4, 1949. Class 6.

Norcross, Inc.: *See*—
Norcross.

Norcross, Inc., New York, N. Y. Greeting cards and printed greeting folders. 443,691, Jan. 17; Serial No. 518,967, published Oct. 18, 1949. Class 38.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, printed seals, and printed decorative tags. 519,990–1, Jan. 17; Serial Nos. 557,684–5, published Oct. 25, 1949. Class 38.

Norcross, to Norcross, Inc., New York, N. Y. Paper ribbon. 262,598, renewed Oct. 15, 1949. O. G. Jan. 17. Class 7.

North Shore Publishing Company, Evanston, Ill. Periodical. 261,511, renewed Sept. 17, 1949. O. G. Jan. 17. Class 38.

Nutone, Inc., Chicago, Ill. Chime signal devices. 519,931, Jan. 17; Serial No. 549,267, published Oct. 4, 1949. Class 21.

O. K. Fruit Exchange: *See*—
Ontario-Cucamonga Fruit Exchange.

Old Colony Envelope Company, Westfield, Mass. Announcement cards and mailing envelopes. 264,528, renewed Nov. 26, 1949. O. G. Jan. 17. Class 37.

Olson, J. B. E., Corporation, Brooklyn, N. Y. Aluminum truck bodies. 519,984, Jan. 17; Serial No. 556,981. published Oct. 11, 1949. Class 19.

Omega Louis Brant & Frère, S. A.: *See*—
Brant, Louis, & Frère.

Oneida Community, Limited, Oneida, N. Y., to Animal Trap Company of America, Lititz, Pa. Animal-traps. 76,332, re-renewed Jan. 4, 1950. O. G. Jan. 17. Class 50.

Ontario-Cucamonga Fruit Exchange, also doing business as O. K. Fruit Exchange, Upland, Calif. Citrus fruits. 77,328, re-renewed Mar. 29, 1950. O. G. Jan. 17. Class 46.

Orange County Valencia Association, Anaheim, Calif. Fresh citrus fruits. 519,920, Jan. 17; Serial No. 546,784, published Oct. 4, 1949. Class 46.

Osborn, C. J., Company, New York, N. Y. Resins and solutions thereof for varnishes, etc. 519,896, Jan. 17; Serial No. 540,447, published Mar. 15, 1949. Class 16.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard motors. 519,909, Jan. 17; Serial No. 543,831, published Oct. 18, 1949. Class 23.

Pangburn Company, Inc., Fort Worth, Tex. Candy. 520,021, Jan. 17; Serial No. 561,333, published Sept. 27, 1949. Class 46.

Parodi Cigar Company of New York: *See*—
Parodi Cigar Company of New York, Inc.

Parodi Cigar Company of New York, Inc., by Parodi Cigar Company of New York, Scranton, Pa. Cigars. 297,671. Sept. 27. 1932. Republished Jan. 17. Class 17.

Parodi Cigar Company of New York, Inc., by Parodi Cigar Company of New York, Scranton, Pa. Cigars. 297,689, Sept. 27, 1932. Republished Jan. 17. Class 17.

Parodi Cigar Company of New York, Inc., by Parodi Cigar Company of New York, Scranton, Pa. Smoking tobacco. 368,283, June 13, 1939. Republished Jan. 17. Class 17.

Parodi Cigar Company of New York, Inc., by Parodi Cigar Company of New York, Scranton, Pa. Cigars. 399,165, Dec. 22, 1942. Republished Jan. 17. Class 17.

Patty Pan Produce Company: *See*—
Caldwell, Richard W.

Peerless Paper Mills, Inc., The, Oaks, Pa. Toilet paper. 261,312, Sept. 17, 1929. Republished Jan. 17. Class 37.

Pemco Corporation: *See*—
International Products Corporation.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Electric household irons. 520,048, Jan. 17; Serial No. 562,802, published Oct. 18, 1949. Class 21.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. 520,112, Jan. 17; Serial No. 561,580. Class 39.

Phillips Petroleum Company, Bartlesville, Okla. Storage batteries. 520,000, Jan. 17; Serial No. 558,976, published Oct. 11, 1949. Class 21.

Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. Men's, women's, and children's hosiery. 517,454, Nov. 8, 1949. Corrected. O. G. Jan. 17. Class 39.

Polis & Hagan, Edinburg, Tex. Fresh citrus fruits. 519,853, Jan. 17; Serial No. 521,464, published Aug. 17, 1948. Class 46.

Pollak, Henry, Inc., New York, N. Y. Straw hats. 519,965, Jan. 17; Serial No. 555,300, published Oct. 11, 1949. Class 39.

Powers Cinephone Equipment Corporation, to Altec Lansing Corporation, New York, N. Y. Apparatus and parts thereof for the synchronous production and reproduction of talking motion pictures. 268,509, renewed Mar. 18, 1950. O. G. Jan. 17. Class 26.

Princess Peggy, Inc., Peoria, Ill. Ready-to-wear cotton dresses. 519,963, Jan. 17; Serial No. 555,077, published Oct. 4, 1949. Class 39.

Procter & Gamble Company, The: *See*—
Remmers-Graham Company, The.

Procter & Gamble Company, The, Cincinnati, Ohio. Periodical. 520,067, Jan. 17; Serial No. 565,457, published Oct. 25, 1949. Class 38.

Proulx, Albert P., Manchester, N. H. Liniment. 443,682, Jan. 17; Serial No. 511,500, published Oct. 25, 1949. Class 18.

Pycopé Incorporated, Joplin, Mo., to Pycope Incorporated, Jersey City, N. J. Tooth powder. 269,334, renewed Apr. 1, 1950. O. G. Jan. 17. Class 51.

Quaker Oats Company, The, Chicago, Ill. Tetrohydrofurfuryl alcohol. 520,039, Jan. 17; Serial No. 562,403, published Oct. 4, 1949. Class 6.

Quaker Oats Company, The, Chicago, Ill. Dog food. 520,049, Jan. 17; Serial No. 562,955, published Oct. 4, 1949. Class 46.

Quality Comics, Inc., New York, N. Y. Feature in a magazine. 519,927, Jan. 17; Serial No. 548,183, published Oct. 18, 1949. Class 38.

Raycrest Mills, Inc., New York, N. Y. Rayon, cotton and woolen piece goods. 520,114, Jan. 17; Serial No. 563,754. Class 42.

Reardon Company, The, St. Louis, Mo. Patching plaster. 266,794, renewed Feb. 4, 1950. O. G. Jan. 17. Class 12.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Cleaner. 268,355, renewed Mar. 11, 1950. O. G. Jan. 17. Class 4.

Reimer, Harry, and Company, Phoenix, Ariz. Fresh vegetables. 519,889, Jan. 17; Serial No. 536,954, published Oct. 4, 1949. Class 46.

Remmers-Graham Company, The, by The Procter & Gamble Company, Cincinnati, Ohio. Soap. 203,719, Sept. 22, 1925. Republished Jan. 17. Class 52.

Renold and Coventry Chain Company, Limited, The, Manchester, England. Power transmission chains. 519,981, Jan. 17; Serial No. 556,817, published Oct. 4, 1949. Class 23.

Revelation Blouse Corp., New York, N. Y. Ladies' blouses, slacks, and playsuits. 519,933, Jan. 17; Serial No. 549,389, published Oct. 4, 1949. Class 39.

Rima Model Gowns Limited, London, England. Women's dresses, jumper suits, costumes, and coats. 519,975, Jan. 17; Serial No. 556,287, published Oct. 4, 1949. Class 39.

Rite-Form Corset Co. Inc., New York, N. Y. Corsets and girdles for ladies and misses. 519,902, Jan. 17; Serial No. 541,574, published Oct. 11, 1949. Class 39.

Rockweave Mills, Division Callaway Mills, to Callaway Mills Company, La Grange, Ga. Woven fabric bags. 263,506, renewed Nov. 5, 1949. O. G. Jan. 17. Class 2.

Rojahn & Malaney Company, Milwaukee, Wis. Flower containers, vases, baskets, and flower pot covers. 520,043, Jan. 17; Serial No. 562,583, published Sept. 27, 1949. Class 2.

Rose-Derry Company: *See*—
Derry-Made Products, Inc.

Rumble, C. B., & Sons: *See*—
Rumble, Chas. B., & Sons.

Rumble, Chas. B., doing business as Chas. B. Rumble & Sons, Modesto and Salida, by C. B. Rumble & Sons, Salida, Calif. Fresh deciduous fruits. 191,284, Nov. 4, 1924. Republished Jan. 17. Class 46.

Rumble, Chas. B., & Sons: *See*—
Rumble, Chas. B.

Russeks Fifth Avenue, Inc., New York, N. Y. Women's, misses', and children's hats; shoes; slippers; putties; etc. 519,969, Jan. 17; Serial No. 555,860, published Sept. 27, 1949. Class 39.

Safeway Stores, Incorporated, doing business under the name Cascade Dryfruit Co., Oakland, Calif. Dried prunes. 520,095, Jan. 17; Serial No. 519,347. Class 46.

St. Regis Paper Company, New York, N. Y. Paper shipping sacks for fruit. 520,029, Jan. 17; Serial No. 561,779, published Sept. 27, 1949. Class 2.

San Fernando Fruit Growers Association, San Fernando, Calif. Fresh citrus fruits. 520,044, Jan. 17; Serial No. 562,667, published Sept. 27, 1949. Class 46.

Santike Lingerie Company: *See*—
Strauss, Stanley M.

Sarchio, Steve C., Garfield, N. J. Liniment for external use. 520,060, Jan. 17; Serial No. 564,681, published Oct. 4, 1949. Class 6.

Sargeant Acnoid Pharmaceutical Co. Inc., East Orange, N. J., by S. M. Sargeant, Highland Hills, N. Y. Ointment. 254,076, Mar. 12, 1929. Republished Jan. 17. Class 18.

Sargeant, Stanley M.: *See*—
Sargeant Acnoid Pharmaceutical Co. Inc.

Schneider, Mitchel, Co. Inc., Brooklyn, N. Y. Ladies' knitted and textile underwear, slips, pajamas, etc. 519,946, Jan. 17; Serial No. 551,050, published Oct. 18, 1949. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's chemises, princess slips, bloomers, dresses, etc. 519,999, Jan. 17; Serial No. 558,941, published Oct. 11, 1949. Class 39.

Seabrook Farms Co.: *See*—
Deerfield Packing Corporation.

Sears, Roebuck and Co., Chicago, Ill. Baby carriages and strollers. 519,948, Jan. 17; Serial No. 551,409, published Oct. 11, 1949. Class 19.

Sentinel Radio Corporation, Evanston, Ill. Radio-phonograph combinations and electric phonographs, and parts thereof. 519,852, Jan. 17; Serial No. 521,214, published Oct. 11, 1949. Class 21.

Sexton, Sidney A., Exeter, to Fruit Growers Service Co., Fresno, Calif. Fresh grapes. 267,018, renewed Feb. 11, 1950. O. G. Jan. 17. Class 46.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Adjunctive dietary supplement. 520,076, Jan. 17; Serial No. 567,213, published Oct. 4, 1949. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation useful in protein therapy. 520,077, Jan. 17; Serial No. 567,214, published Oct. 4, 1949. Class 18.

Shaylow Company, Los Angeles, Calif. Wheelbarrows. 519,904, Jan. 17; Serial No. 555,137, published Oct. 11, 1949. Class 19.

Sheldon Home Products Corp., New York, N. Y. Curtain stretchers. 519,954, Jan. 17; Serial No. 553,219, published Oct. 11, 1949. Class 24.

Sherwin William Company, The, Cleveland, Ohio. House organ, color chip compilations, and printed publications. 519,884, Jan. 17; Serial No. 533,504, published May 17, 1949. Class 38.

Simplot Western Idaho Produce, Inc., Caldwell, Idaho. Fresh lettuce. 519,929, Jan. 17; Serial No. 549,015, published Oct. 4, 1949. Class 46.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Booklet. 519,915, Jan. 17; Serial No. 545,542, published Oct. 25, 1949. Class 38.

Societe Anonyme Urachimie, Societe Henry Rogier, Paris, France. Urinary antiseptics and preparations for the treatment of arthritis, etc. 520,085, Jan. 17; Serial No. 569,644, published Oct. 4, 1949. Class 18.

Society of Chemical Industry in Basle, Basel, Switzerland, now by change of name Ciba Limited. Neurospasmodic. 443,677, Jan. 17; Serial No. 484,857, published Oct. 4, 1949. Class 18.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. 520,094, Jan. 17; Serial No. 508,863. Class 2.

Southwest Pump Company, Bonham, Tex. Barrel trucks. 269,209, renewed Apr. 1, 1950. O. G. Jan. 17. Class 19.

Spaulding Bakeries, Inc., Binghamton, N. Y. Bakery products. 520,109, Jan. 17; Serial No. 557,317. Class 46.

Standard Candy Company, Nashville, Tenn. Candy. 520,040, Jan. 17; Serial No. 562,414, published Oct. 4, 1949. Class 46.

Standard Oil Company: *See*—
Torch Oil Company.

Stanford, Alfred, Essex, Conn. Fresh apples. 519,997, Jan. 17; Serial No. 558,530, published Oct. 4, 1949. Class 46.

Steelduct Company, The, Youngstown, Ohio. Pipes or electric conduits. 147,695, Oct. 25, 1921. Republished Jan. 17. Class 21.

Steinberger Bros. Glove Corp., to Aris Gloves, Inc., New York, N. Y. Leather and fabric gloves. 266,468, renewed Jan. 21, 1950. O. G. Jan. 17. Class 39.

Sterling Drug Inc.: *See*—
Mollé Company, The.

Stetson Paint & Varnish Company, Chicago, Ill. Ready mixed house paint. 519,894, Jan. 17; Serial No. 539,787, published Oct. 11, 1949. Class 16.

Stout, Charles B., doing business as Washington Flour Mill, Washington, Mo. Wheat flour. 266,064–5, Jan. 14, 1930. Republished Jan. 17. Class 46.

Strauss, Stanley M., doing business as Santike Lingerie Company, Brownstown, Pa. Ladies' and children's slips, nightgowns, petticoats, panties and pajamas. 520,064, Jan. 17; Serial No. 565,019, published Oct. 18, 1949. Class 39.

Streamline Garment Corporation, Chicago, Ill. Ladies' dresses. 519,971, Jan. 17; Serial No. 535,969, published Sept. 27, 1949. Class 39.

Stromberg-Carlson Company, Rochester, N. Y. Radio and television receiving sets. 520,031, Jan. 17; Serial No. 561,952, published Oct. 11, 1949. Class 21.

Sun-Maid Raisin Growers of California, Fresno, Calif. Raisins, raisin syrup, raisin bread, etc. 519,890, Jan. 17; Serial No. 537,099, published May 31, 1949. Class 46.

Synthetic Nitrogen Products Corporation, assignor to Synthetic Nitrogen Products Corporation, to Synthetic Nitrogen Products Corporation, New York, N. Y. Monthly publication. 263,814, renewed Nov. 12, 1949. O. G. Jan. 17. Class 38.

Takaki, Ralph N., doing business as Takaki Sanyo-Do, Honolulu, Territory of Hawaii. Barbecue soy sauce. 443,694, Jan. 17; Serial No. 524,429, published Oct. 4, 1949. Class 46.

Takaki Sanyo-Do: *See*—
Takaki, Ralph N.

Tawil, Meyer, New York, N. Y. Children's dresses. 520,009, Jan. 17; Serial No. 560,064, published Oct. 4, 1949. Class 39.

Tea Garden Products Co., San Francisco, Calif. Table syrup. 519,966, Jan. 17; Serial No. 555,321, published Oct. 4, 1949. Class 46.

Templeton Coal Company, Terra Haute, Ind. Coal. 260,732, Aug. 27, 1929. Republished Jan. 17. Class 1.

Tetley, Joseph, & Co., Inc., to Tetley Tea Co., Inc., New York, N. Y. Tea. 268,510, renewed Mar. 18, 1950. O. G. Jan. 17. Class 46.

Tetley Tea Co., Inc.: *See*—
Tetley, Joseph, & Co., Inc.

Thalheimer, Emanuel H., doing business as A. Kafka & Co., to A. Kafka & Co., Inc., New Haven, Conn. Cigars. 264,174, renewed Nov. 19, 1949. O. G. Jan. 17. Class 17.

Thomas & Betts Co., The, Elizabeth, N. J. Hickeys or bending irons for pipes, electrical conduits, etc. 519,921, Jan. 17; Serial No. 547,049, published Oct. 11, 1949. Class 23.

Todd, Floyd, doing business as Todd Scientific Company, Springfield, Pa. Scientific laboratory apparatus. 443,686, Jan. 17; Serial No. 513,278, published Sept. 13, 1949. Class 26.

Todd Scientific Company: *See*—
Todd, Floyd.

Torch Oil Company, to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Gasoline, kerosene, etc. 260,937, Sept. 3, 1929. New certificate. O. G. Jan. 17. Class 15.

Town-Moor, Inc., New York, N. Y. Ladies' coats. 519,972, Jan. 17; Serial No. 556,034, published Sept. 27, 1949. Class 39.

Transformer Engineering Corporation, Cleveland, Ohio. Electrical apparatus. 520,006, Jan. 17; Serial No. 559,749, published Oct. 11, 1949. Class 21.

Tribune Company, The, Tampa, Fla. Daily newspaper. 268,995, renewed Mar. 25, 1950. O. G. Jan. 17. Class 38.

Triplett Electrical Instrument Company, The, Bluffton, Ohio. Electrical measuring and control instruments and electrical test equipment. 519,849, Jan. 17; Serial No. 518,738, published Sept. 13, 1949. Class 26.

Tull, H. P., & Company, Kingston, Md. Canned tomatoes. 519,993, Jan. 17; Serial No. 558,084, published Oct. 4, 1949. Class 46.

Turner Bros. Ltd., Rochdale, England, to Keasbey & Mattison Company, Ambler, Pa. Packing and jointing materials. 75,735, re-renewed Nov. 9, 1949. O. G. Jan. 17. Class 35.

Twin Coach Company, Kent, Ohio. Automotive vehicles. 519,960, Jan. 17; Serial No. 554,444, published Oct. 11, 1949. Class 19.

United States Gypsum Company, Chicago, Ill. Plaster. 262,788, renewed Oct. 22, 1949. O. G. Jan. 17. Class 12.

United States Gypsum Company, Chicago, Ill. Plaster and metal reinforcement. 264,649, renewed Dec. 3, 1949. O. G. Jan. 17. Class 12.

United States Gypsum Company, Chicago, Ill. Sound-absorbing material. 265,549, renewed Dec. 31, 1949. O. G. Jan. 17. Class 12.

United States Radiator Corporation, Detroit, Mich. House-heating boilers. 266,524, renewed Jan. 28, 1950. O. G. Jan. 17. Class 34.

United States Rubber Company, New York, N. Y. Insecticides. 519,911, Jan. 17; Serial No. 544,228, published July 20, 1948. Class 6.

Universal Novelty Company, Philadelphia, Pa., to Noesting Pin Ticket Company, Incorporated, New York, N. Y. Clips for attaching ornaments to Christmas trees. 258,461, renewed July 9, 1949. O. G. Jan. 17. Class 13.

Upjohn Company, The, Kalamazoo, Mich. Repository medicinal preparation. 520,074, Jan. 17; Serial No. 566,902, published Oct. 4, 1949. Class 18.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 520,075, Jan. 17; Serial No. 566,903, published Oct. 4, 1949. Class 18.

Vitaminerals, Inc., Los Angeles, Calif. Nutritional supplement. 519,864, Jan. 17; Serial No. 527,632, published Oct. 4, 1949. Class 46.

W-L Molding Company, The, Kalamazoo, Mich. Electric switch plates and electric wall outlet plates. 519,917, Jan. 17; Serial No. 546,137, published Oct. 4, 1949. Class 21.

Warshauer & Franck, Inc., Boston, Mass. Women's and misses' dresses. 519,974, Jan. 17; Serial No. 556,155, published Sept. 27, 1949. Class 39.

Washington Flour Mill: *See*—
Stout, Charles B.

Weinberg, Weinberg & Alpern, New York, N. Y. Women's dresses. 519,930, Jan. 17; Serial No. 549,100, published Oct. 11, 1949. Class 39.

Western Clock Company, Peru, Ill., to General Time Corporation, La Salle, Ill. Clocks and watches. 263,730, renewed Nov. 12, 1949. O. G. Jan. 17. Class 27.

Western Clock Company, Peru, Ill., to General Time Corporation, La Salle, Ill. Clocks and watches. 264,113, renewed Nov. 19, 1949. O. G. Jan. 17. Class 27.

Western Pharmacal Company, Salt Lake City, Utah. Granular effervescent blood salts, etc. 519,996, Jan. 17; Serial No. 558,263, published Sept. 27, 1949. Class 18.

Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. 519,906, Jan. 17; Serial No. 543,553, published Oct. 11, 1949. Class 19.

White & Wyckoff Mfg. Co., Holyoke, Mass. Wrapped packs or packages of greeting cards. 519,983, Jan. 17; Serial No. 556,937, published Mar. 8, 1949. Class 38.

White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. 520,071, Jan. 17; Serial No. 566,407, published Oct. 25, 1949. Class 38.

Whitehead, George W., doing business as Locker Publications Company, assignor to Locker Publications Company, Des Moines, Iowa. Magazine. 519,873, Jan. 17; Serial No. 530,041, published Oct. 18, 1949. Class 38.

Wilbourn's Incorporated, Morgantown, W. Va. Fresh fruits and vegetables. 520,008, Jan. 17; Serial No. 559,874, published Oct. 4, 1949. Class 46.

Will & Baumer Candle Co., Inc.: *See*—
Will & Baumer Company, The.

Will & Baumer Company, The, to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Beeswax. 75,494, re-renewed Oct. 5, 1949. O. G. Jan. 17. Class 46.

Winters, Jules E., New York, N. Y. Ladies', misses' and girls' Russian weasel fur garments. 519,961, Jan. 17; Serial No. 554,751, published Oct. 4, 1949. Class 39.

Woolsey, C. A., Paint & Color Co. Inc., New York, N. Y. Copper paint. 520,058, Jan. 17; Serial No. 564,496, published Oct. 11, 1949. Class 16.

Woolsey, C. A., Paint & Color Co. Inc., New York, N. Y. Varnishes. 520,082, Jan. 17; Serial No. 568,771, published Oct. 11, 1949. Class 16.

Yorke Publishing Company, Inc., The, New York, N. Y. Magazine. 519,977, Jan. 17; Serial No. 556,388, published Oct. 18, 1949. Class 38.

Zaninovich, Antone, & Sons, Delano, Calif. Fresh grapes. 520,033–4, Jan. 17; Serial Nos. 562,114–5, published Sept. 27, 1949. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Alum, Powdered, sodium bicarbonate, powdered borax, etc. Kresge Department Store Corporation. 262,867, Oct. 29, 1929. Republished Jan. 17.

Coal. Dawson Coal Company. 520,086, Jan. 17; Serial No. 578,922, published Oct. 4, 1949.

Coal. Templeton Coal Company. 260,732, Aug. 27, 1929. Republished Jan. 17.

Rosin. The Newport Company. 264,640, renewed Dec. 3, 1949. O. G. Jan. 17.

CLASS 2

Bags, Paper. Gilman Paper Company. 267,795, renewed Mar. 4, 1950. O. G. Jan. 17.

Bags, Paper. Southern Advance Bag & Paper Co. Inc. 520,094, Jan. 17; Serial No. 508,863.

Bags, Woven fabric. Rockweave Mills, Division Callaway Mills. 263,506, renewed Nov. 5, 1949. O. G. Jan. 17.

Boxes, Candy. The Mailliard Corp. 520,102, Jan. 17; Serial No. 546,716.

Boxes, Wood framed fibre. Menasha Wooden Ware Corporation. 520,115, Jan. 17; Serial No. 565,881.

Cases, Fibreboard packing. Robert Gaylord, Incorporated. 268,397, renewed Mar. 11, 1950. O. G. Jan. 17.

Containers, Flower, vases, baskets, and flower pot covers. Rojahn & Malaney Company. 520,043, Jan. 17; Serial No. 562,583, published Sept. 27, 1949.

Plates, Paper, paper cups, and wooden plates. Clover Farm Stores Corporation. 520,046, Jan. 17; Serial No. 562,762, published Sept. 27, 1949.

Pouches and bags, etc., Commodity and merchandising. Milprint, Inc. 519,844, Jan. 17; Serial No. 503,822, published Sept. 13, 1949.

Sacks for fruit, Paper shipping. St. Regis Paper Company. 520,029, Jan. 17; Serial No. 561,779, published Sept. 27, 1949.

Vaults, Concrete burial. Interstate Concrete Products, Inc. 520,017, Jan. 17; Serial No. 560,893, published Sept. 27, 1949.

CLASS 3

Cases, Overnight, wardrobes, pullmans, etc. Gralnick Brothers, Incorporated. 520,118, Jan. 17; Serial No. 574,507.

CLASS 4

Cleaner. Red Spot Paint & Varnish Co., Inc. 268,355, renewed Mar. 11, 1950. O. G. Jan. 17.

CLASS 6

Acetanilid, acetphenetidin (phenacetin), acid salicylic, etc. Monsanto Chemical Works. 265,126, renewed Dec. 17, 1949. O. G. Jan. 17.

"Alcoholado." E. B. Fernandez. 182,724, Apr. 15, 1924. Republished Jan. 17.

Alum, Powdered, sodium bicarbonate, powdered borax, etc. Kresge Department Store Corporation. 262,867, Oct. 29, 1929. Republished Jan. 17.

Anti-freeze fluid. Industrial Oil Corporation. 443,681, Jan. 17; Serial No. 504,276, published Sept. 27, 1949.

Composition for general use as a disinfectant, deodorant, etc. Frontier Products Company. 519,866, Jan. 17; Serial No. 527,761, published Apr. 26, 1949.

Deodorizing solutions. O. E. McKim. 413,604, May 1, 1945. Republished Jan. 17.

Insecticides. United States Rubber Company. 519,911, Jan. 17; Serial No. 544,228, published July 20, 1948.

Liniment for external use. S. C. Sarchio. 520,060, Jan. 17; Serial No. 564,081, published Oct. 4, 1949.

Petroleum by-product. Anderson-Prichard Oil Corporation. 267,838, renewed Mar. 4, 1950. O. G. Jan. 17.

Plasticizers or softeners. Monsanto Chemical Works. 265,127, renewed Dec. 17, 1949. O. G. Jan. 17.

Reagent chemicals. General Chemical Company. 519,893, Jan. 17; Serial No. 539,305, published Sept. 27, 1949.

Starch for laundering, Liquid. The Hubinger Company. 520,051, Jan. 17; Serial No. 563,479, published Oct. 4, 1949.

Sugar for tanning leather and manufacturing purposes. Corn Products Refining Company. 520,084, Jan. 17; Serial No. 569,436, published Oct. 4, 1949.

Sulfonated oils. Nopco Chemical Company. 519,872, Jan. 17; Serial No. 529,812, published Oct. 4, 1949.

Tetrohydrofurfuryl alcohol. The Quaker Oats Company. 520,039, Jan. 17; Serial No. 562,403, published Oct. 4, 1949.

CLASS 7

Ribbon, Paper. Norcross. 262,598, renewed Oct. 15, 1949. O. G. Jan. 17.

CLASS 9

Matches. America's Own Match Company. 407,427–8, June 6, 1944. Republished Jan. 17.

Matches. America's Own Match Company. 408,361, Aug. 8, 1944. Republished Jan. 17.

Matches. America's Own Match Company. 415,696, Aug. 14, 1945. Republished Jan. 17.

Matches. The Diamond Match Company. 124,823, Mar. 18, 1919. Republished Jan. 17.

Matches. The Diamond Match Company. 171,995, Aug. 21, 1923. Republished Jan. 17.

Matches. The Diamond Match Company. 175,032, Oct. 30, 1923. Republished Jan. 17.

Matches. The Diamond Match Company. 189,981, Sept. 30, 1924. Republished Jan. 17.

Matches. The Diamond Match Company. 269,871, Apr. 22, 1930. Republished Jan. 17.

Matches. The Diamond Match Company. 306,714–16, Sept. 26, 1933. Republished Jan. 17.

Matches. The Diamond Match Company. 306,719, Sept. 26, 1933. Republished Jan. 17.

Matches. The Diamond Match Company. 421,351–2, May 28, 1946. Republished Jan. 17.

Matches. The Diamond Match Company. 421,711–12, June 11, 1946. Republished Jan. 17.

CLASS 12

Fire brick. A. P. Green Fire Brick Company. 268,018, renewed Mar. 4, 1950. O. G. Jan. 17.

Flagstones. American Blue Stone Co. 266,803, renewed Feb. 4, 1950. O. G. Jan. 17.

Paving material, Bituminous. The Interstate Amiesite Co., Inc. 520,101, Jan. 17; Serial No. 545,990.

Plaster. United States Gypsum Company. 262,788, renewed Oct. 22, 1949. O. G. Jan. 17.

Plaster and metal reinforcement. United States Gypsum Company. 264,649, renewed Dec. 3, 1949. O. G. Jan. 17.

Plaster, Patching. The Reardon Company. 266,794, renewed Feb. 4, 1950. O. G. Jan. 17.

Sound-absorbing material. United States Gypsum Company. 265,549, renewed Dec. 31, 1949. O. G. Jan. 17.

CLASS 13

Chains of metal. The Bead Chain Manufacturing Company. 266,449, renewed Jan. 21, 1950. O. G. Jan. 17.

Clamps, Metal. Diamond Expansion Bolt Co. 264,203, Nov. 19, 1929. Republished Jan. 17.

Clamps, Metal conduit, and metal pipe clamps, and metal pipe fittings, and metal conduit fittings. Diamond Expansion Bolt Co. 262,363, Oct. 8, 1929. Republished Jan. 17.

Clips for attaching ornaments to Christmas trees. Universal Novelty Company. 258,461, re-renewed July 9, 1949. O. G. Jan. 17.

CLASS 14

Alloys and metal aggregate compositions and metals. Firth-Sterling Steel Company. 263,980, renewed Nov. 12, 1949. O. G. Jan. 17.

Alloys and metal aggregate compositions and metals. Firth-Sterling Steel Company. 264,739, renewed Dec. 3, 1949. O. G. Jan. 17.

Metal products. The American Metal Company (Limited). 282,235, Apr. 14, 1931. Amended. O. G. Jan. 17.

CLASS 15

Gasoline, kerosene, etc. Torch Oil Company. 260,937, Sept. 3, 1929. New certificate. O. G. Jan. 17.

CLASS 16

Color, Ready mixed water show card. Delta Color Corporation. 519,842, Jan. 17; Serial No. 496,897, published Oct. 11, 1949.

Colors, Artists' oil and water, and artists' varnishes and mediums. E. H. & A. C. Friedrichs Co. 519,923, Jan. 17; Serial No. 547,537, published Oct. 11, 1949.

Colors; Ceramic overglaze, ceramic engobes colors; ceramic underglaze colors, etc. International Products Corporation. 519,877, Jan. 17; Serial No. 531,328, published Oct. 18, 1949.

Emulsified composition resembling paint. Interchemical Corporation. 519,861, Jan. 17; Serial No. 526,563, published Oct. 11, 1949.

Enamels, varnish, and liquid polish and cleaner, Synthetic. Harley-Davidson Motor Company. 519,875, Jan. 17; Serial No. 531,114, published Oct. 11, 1949.

Paint. Buffalo Oil Paint & Varnish Company. 76,307, re-renewed Jan. 4, 1950. O. G. Jan. 17.

Paint. Gilman Paint and Varnish Company. 520,079, Jan. 17; Serial No. 567,632, published Oct. 11, 1949.

Paint, Casein paste. Armstrong Paint & Varnish Works. 519,899, Jan. 17; Serial No. 540,615, published Aug. 30, 1949.

Paint, Copper. C. A. Woolsey Paint & Color Co. Inc. 520,058, Jan. 17; Serial No. 564,496, published Oct. 11, 1949.

Paint, Ready mixed house. Stetson Paint & Varnish Company. 519,894, Jan. 17; Serial No. 539,787, published Oct. 11, 1949.

Paint, Special ready-mixed. E. C. Carberry. 443,683, Jan. 17; Serial No. 511,672, published Oct. 11, 1949.

Preparation in liquid form for cleaning paint brushes, and for the removal of undried paint. E Z Paintr Corporation. 520,023, Jan. 17; Serial No. 561,556, published Oct. 11, 1949.
Primer, Asphalt, asphalt coating, asphalt fibre coating all in the nature of a paint, etc. Empire Petroleum Company. 519,881, Jan. 17; Serial No. 532,922, published Oct. 18, 1949.
Resins and solutions thereof for varnishes, etc. C. J. Osborn Company. 519,896 Jan. 17; Serial No. 540,447, published Mar. 15, 1949.
Varnishes. C. A. Woolsey Paint & Color Co. Inc. 520,082, Jan. 17; Serial No. 568,771, published Oct. 11, 1949.

CLASS 17

Cigars. A. Breitung. 73,878, May 25, 1909. Republished Jan. 17.
Cigars. Parodi Cigar Company of New York, Inc. 297,671, Sept. 27, 1932. Republished Jan. 17.
Cigars. Parodi Cigar Company of New York, Inc. 297,689, Sept. 27, 1932. Republished Jan. 17.
Cigars. Parodi Cigar Company of New York, Inc. 399,165, Dec. 22, 1942. Republished Jan. 17.
Cigars. E. H. Thalheimer. 264,174, renewed Nov. 19, 1949. O. G. Jan. 17.
Tobacco, Smoking. Parodi Cigar Company of New York, Inc. 368,283, June 13, 1939. Republished Jan. 17.

CLASS 18

Antiseptics, Urinary, and preparation for the treatment of arthritis. Societe Anonyme Urachimie. Societe Henry Rogier. 520,085, Jan. 17; Serial No. 569,644, published Oct. 4, 1949.
Blood salts, Granular effervescent, etc. Western Pharmacal Company. 519,996, Jan. 17; Serial No. 558,263, published Sept. 27, 1949.
Dietary supplement, Adjunctive. Sharp & Dohme, Incorporated. 520,076, Jan. 17; Serial No. 567,213, published Oct. 4, 1949.
Liniment. R. A. Goodding. 520,080, Jan. 17; Serial No. 567,737, published Oct. 4, 1949.
Liniment, A. P. Pronlx. 443,682, Jan. 17; Serial No. 511,500, published Oct. 25, 1949.
Medicinal preparation. B. L. Joles. 268,702, renewed Mar. 18, 1950. O. G. Jan. 17.
Medicinal preparation. The Upjohn Company. 520,075, Jan. 17; Serial No. 566,903, published Oct. 4, 1949.
Medicinal preparation, Repository. The Upjohn Company. 520,074, Jan. 17; Serial No. 566,902, published Oct. 4, 1949.
Medicinal preparations. La Cie Antibilol Limitee. 520,113, Jan. 17; Serial No. 561,927.
Medicine for treatment of varicose veins. Endo Products Inc. 519,980, Jan. 17; Serial No. 556,786, published Oct. 4, 1949.
Neurospasmodic. Society of Chemical Industry in Basle. 443,667, Jan. 17; Serial No. 484,857, published Oct. 4, 1949.
Ointment. Sargeant Acnoid Pharmaceutical Co. Inc. 254,076, Mar. 12, 1929. Republished Jan. 17.
Preparation useful in protein therapy. Sharp & Dohme, Incorporated. 520,077, Jan. 17; Serial No. 567,214, published Oct. 4, 1949.
Tablets. Columbia Chemical Company, Inc. 520,073, Jan. 17; Serial No. 566,748, published Oct. 4, 1949.

CLASS 19

Accessories, Automobile. Allen Products Corporation. 520,072, Jan. 17; Serial No. 566,738, published Oct. 11, 1949.
Automobiles, trucks, buses, etc. Krell Buick, Inc. 519,979, Jan. 17; Serial No. 556,638, published Sept. 20, 1949.
Bicycles. Arnold, Schwinn & Co. 520,081, Jan. 17; Serial No. 568,563, published Oct. 11, 1949.
Bicycles. Henry Modell & Co., Inc. 519,900, Jan. 17; Serial No. 541,162, published Oct. 11, 1949.
Bicycles, The Westfield Manufacturing Company. 519,906, Jan. 17; Serial No. 543,553, published Oct. 11, 1949.
Bicycles and motor cycles. Fabbrica Automobili E Velocipedi Edoardo Bianchi. 443,690, Jan. 17; Serial No. 515,947, published Oct. 11, 1949.
Brake beams, Railway vehicle, brake beam heads, brake beam trusses, etc. Chicago Railway Equipment Company. 520,068, Jan. 17; Serial No. 565,529, published Sept. 13, 1949.
Carriages and strollers, Baby. Sears, Roebuck and Co. 519,948, Jan. 17; Serial No. 551,409, published Oct. 11, 1949.
Covers, Automobile floor, and running board covers, automobile radiator covers, cab curtains, etc. The Lehon Company. 443,693, Jan. 17; Serial No. 520,731, published Oct. 11, 1949.
Covers, Automobile seat and canvas tops. Auto Trunk Distributors, Inc. 519,859, Jan. 17; Serial No. 525,280, published Oct. 11, 1949.
Kits, Repair, bushings, and automobile muffler supports. Anchor Rubber Products, Inc. 519,935, Jan. 17; Serial No. 549,604, published Sept. 20, 1949.
Motorcycles, side-cars, and three-wheeled service and delivery vehicles. Harley-Davidson Motor Company. 519,876, Jan. 17; Serial No. 531,116, published Oct. 11, 1949.
Pads made of rubber and metal for automobile accelerator, brake, clutch, etc. Anchor Rubber Products, Inc. 519,937-8, Jan. 17; Serial Nos. 549,605-6, published Sept. 20, 1949.
Propellers, Airplane, propeller hubs, and propeller assemblies. Koppers Company, Inc. 437,418, Mar. 23, 1948. Republished Jan. 17.
Trailers, House, and fishing, speed, and small pleasure boats. Church Manufacturing Company, Inc. 519,926, Jan. 17; Serial No. 547,971, published Oct. 11, 1949.
Truck bodies, Aluminum. J. B. E. Olson Corporation. 519,984, Jan. 17; Serial No. 556,981, published Oct. 11, 1949.
Truck bodies, Automotive. John Koerner Sons, Inc. 520,042, Jan. 17; Serial No. 562,559, published Oct. 11, 1949.
Trucks, Barrel. Southwest Pump Company. 269,209, renewed Apr. 1, 1950. O. G. Jan. 17.
Vehicles, Automotive. Twin Coach Company. 519,960, Jan. 17; Serial No. 554,444, published Oct. 11, 1949.
Wagons. La Plant-Choate Manufacturing Co., Inc. 519,947, Jan. 17; Serial No. 551,388, published Oct. 11, 1949.
Wheelbarrows. Shaylow Company. 519,964, Jan. 17; Serial No. 555,137, published Oct. 11, 1949.

CLASS 21

Arresters, Lightning. Electric Service Supplies Company. 267,161, renewed Feb. 11, 1950. O. G. Jan. 17.
Batteries, Storage. Phillips Petroleum Company. 520,000, Jan. 17; Serial No. 558,976, published Oct. 11, 1949.
Blowers, Electrically driven portable electric cleaning, and suction cleaners and sprayers, etc. G. H. Hansen. 266,321, Jan. 14, 1930. Republished Jan. 17.
Cartridges, Metal electrode. E. M. Butler. 519,897, Jan. 17; Serial No. 540,519, published Oct. 18, 1949.
Circuit makers and breakers, Electric, switches, and parts and combinations thereof. The Arrow-Hart & Hegeman Electric Company. 519,888, Jan. 17; Serial No. 535,785, published Oct. 4, 1949.
Communication sets, Two-way radio. Mobile Communications Company. 519,851, Jan. 17; Serial No. 519,537, published Mar. 1, 1949.
Conduit, Electrical. Bulldog Electric Products Company. 519,934, Jan. 17; Serial No. 549,417, published Oct. 11, 1949.
Construction supplies, Electrical line, etc. W. N. Matthews Corporation. 519,863, Jan. 17; Serial No. 527,131, published Mar. 15, 1949.
Electrical apparatus. The Clarke Sanding Machine Company. 519,845, Jan. 17; Serial No. 506,643, published Oct. 11, 1949.
Electrical apparatus. Transformer Engineer Corporation. 520,006, Jan. 17; Serial No. 559,749, published Oct. 11, 1949.
Electrical products. Buchanan Electrical Products Corporation. 520,019, Jan. 17; Serial No. 561,073, published Oct. 4, 1949.
Electromechanical apparatus in the nature of a rotary actuator. Airborne Accessories Corporation. 520,030, Jan. 17; Serial No. 561,870, published Oct. 11, 1949.
Flashlights, Pocket electric. Bantam-Lite, Inc. 520,037, Jan. 17; Serial No. 562,305, published Oct. 11, 1949.
Fuses, Plug type electric, and fuse links therefor. The Chase-Shawmut Company. 520,116, Jan. 17; Serial No. 568,934.
Heaters, Electrical stock tank. H. D. Hudson Manufacturing Company. 520,097, Jan. 17; Serial No. 536,255.
Heating apparatus, Electrical water tank. A. J. Lindemann & Hoverson Company. 519,968, Jan. 17; Serial No. 555,545, published Oct. 4, 1949.
Hoists and travelling cranes, Electrically driven. Manning, Maxwell & Moore, Inc. 519,891, Jan. 17; Serial No. 537,603, published Oct. 11, 1949.
Horns, Electrically operated warning. Compagnie Industrielle & Commerciale du Cycle & de L'Automobile. 443,684, Jan. 17; Serial No. 512,244, published Oct. 4, 1949.
Interlocks for power consuming apparatus, Electrically operated. First Industrial Corporation. 520,005, Jan. 17; Serial No. 559,694, published Oct. 11, 1949.
Irons, Electric household. J. C. Penney Company. 520,048, Jan. 17; Serial No. 562,802, published Oct. 18, 1949.
Lamps for vehicles, Electric, etc. Auto Lamp Manufacturing Co. 520,036, Jan. 17; Serial No. 562,303, published Oct. 4, 1949.
Lighting fixtures, Fluorescent. C. Barton. 520,096, Jan. 17; Serial No. 520,927.
Motors, Electrical. The Brown-Brockmeyer Company. 520,104, Jan. 17; Serial No. 548,916.
Paper used particularly in the construction of electrical condensers, Metal-coated. Brittains Limited. 520,052, Jan. 17; Serial No. 563,897, published Oct. 4, 1949.
Pipes or electric conduits. The Steelduct Company. 147,695, Oct. 25, 1921. Republished Jan. 17.
Plates, Electric switch, and electric wall outlet plates. The W-L Molding Company. 519,917, Jan. 17; Serial No. 546,137, published Oct. 4, 1949.
Plates, Switch wall. R. H. Klingston, Jr. 520,047, Jan. 17; Serial No. 562,783, published Oct. 11, 1949.
Power supply units of the rectifier type, Direct-current electric, battery chargers of the rectifier type, etc. McColpin-Christie Corporation, Ltd. 519,904, Jan. 17; Serial No. 542,150, published Oct. 18, 1949.

Radio-phonograph combinations and electric phonographs, and parts thereof. Sentinel Radio Corporation. 519,852, Jan. 17; Serial No. 521,214, published Oct. 11, 1949.
Receiving sets and parts thereof, Radio. Hudson American Corporation. 443,679, Jan. 17; Serial No. 494,607, published June 1, 1948.
Receiving sets, Radio and television. Stromberg-Carlson Company. 520,031, Jan. 17; Serial No. 561,952, published Oct. 11, 1949.
Relays and switches, Electrical. Durakool, Inc. 520,055, Jan. 17; Serial No. 564,321, published Oct. 4, 1949.
Signal devices, Chime. Nutone, Inc. 519,931, Jan. 17; Serial No. 549,267, published Oct. 4, 1949.
Sound records, Magnetic. Broadcasters' Guild, Inc. 520,014, Jan. 17; Serial No. 560,443, published Oct. 11, 1949.
Space heaters, Electric. R. E. Anderson. 519,952, Jan. 17; Serial No. 552,563, published Oct. 4, 1949.
Speed control devices, Electronic. G. B. Linderman Corporation. 443,678, Jan. 17; Serial No. 493,134, published Oct. 18, 1949.
Switch mechanisms, Electric. McGill Manufacturing Company, Inc. 519,936, Jan. 17; Serial No. 549,644, published Oct. 4, 1949.
Switching equipment and apparatus and parts thereof, Telephone. Automatic Electric Company. 519,992, Jan. 17; Serial No. 557,884, published Oct. 11, 1949.
Tool holders, Hand held electric motor driven. Casco Products Corporation. 520,011, Jan. 17; Serial No. 560,382, published Oct. 4, 1949.
Tubes, Fluorescent lamp. Duro-Test Corporation. 520,004, Jan. 17; Serial No. 559,591, published Oct. 11, 1949.
Vacuum cleaners and bags therefor, Electric. Clements Mfg. Co. 520,057, Jan. 17; Serial No. 564,375, published Oct. 4, 1949.
Vacuum cleaners, Electric, and portable electric blowers. Clements Mfg. Co. 520,056, Jan. 17; Serial No. 564,374, published Oct. 4, 1949.
Valves, Electrically operated motorized, combination electrically operated motorized valves, etc. Bell & Gossett Company. 519,857, Jan. 17; Serial No. 523,350, published Oct. 11, 1949.
Valves, Electrically operated motorized, combination electrically operated motorized valves and electrical temperature controls therefore, etc. Bell & Gossett Company. 519,878, Jan. 17; Serial No. 531,426, published Oct. 4, 1949.
Welding apparatus, Electric. Miller Electric Manufacturing Company. 519,998, Jan. 17; Serial No. 558,908, published Oct. 11, 1949.
Wire and cable, Insulated electric. Acorn Insulated Wire Company, Inc. 520,035, Jan. 17; Serial No. 562,297, published Oct. 11, 1949.
Wire, Round and flat, ribbon and strip formed of nonferrous alloys for electrical resistance use. Wilbur B. Driver Company. 520,010, Jan. 17; Serial No. 560,256, published Oct. 11, 1949.

CLASS 22

Billiard tables and billiard cues. The Brunswick-Balke-Collender Company. 515,087, Sept. 13, 1949. Corrected. O. G. Jan. 17.

CLASS 23

Air-compressors, Portable stationary air compressors, truck power take-offs, etc. Davey Compressor Company. 519,874, Jan. 17; Serial No. 530,068, published Oct. 4, 1949.
Carburetors and fuel-injection devices. Robert Bosch. 263,502, renewed Nov. 5, 1949. O. G. Jan. 17.
Carburettors, air cleaners for carburettors, and handlebar-control mechanism, Amalgamated Carburetters Limited. 265,445, renewed Dec. 24, 1949. O. G. Jan. 17.
Cement block-making machines, Vibratory type. Frank C. George. 520,090, Jan. 17; Serial No. 474,446.
Chains, Power transmission. Renold and Coventry Chain Company, Limited. 519,981, Jan. 17; Serial No. 556,817, published Oct. 4, 1949.
Couplers and hoists and combined couplers and hoists, Mechanical. Marvel Industries, Inc. 519,907, Jan. 17; Serial No. 543,727, published Oct. 18, 1949.
Cranes, Overhead, overhead conveyor type material handling systems, etc. The Cleveland Crane & Engineering Company. 519,989, Jan. 17; Serial No. 557,500, published Oct. 11, 1949.
Cutlery and tools, Certain. H. Boker & Co., Inc. 519,879, Jan. 17; Serial No. 532,550, published Oct. 4, 1949.
Duplicating, manifolding, and copying apparatus. Frank R. Ford, Limited. 343,457, Feb. 23, 1937. Republished Jan. 17.
Engines and part thereof, Internal combustion. Cummins Engine Company, Inc. 519,912, Jan. 17; Serial No. 544,256, published Oct. 18, 1949.
Grinders, Industrial. Charles H. Besly and Company. 519,925, Jan. 17; Serial No. 547,964, published Oct. 11, 1949.
Hickeys or bending irons for pipes, electrical conduits, etc. The Thomas & Betts Co. 519,921, Jan. 17; Serial No. 547,049, published Oct. 11, 1949.
Key-seating machines. Mitts & Merrill. 76,696, renewed Feb. 8, 1950. O. G. Jan. 17.
Lathes, shapers, milling machines and centering machines. The Hendey Machine Company. 520,053, Jan. 17; Serial No. 563,998, published Oct. 4, 1949.
Motors, Outboard. Outboard, Marine and Manufacturing Company. 519,909, Jan. 17; Serial No. 543,831, published Oct. 18, 1949.
Tools. Firth-Sterling Steel Company. 267,884-5, renewed Mar. 4, 1950. O. G. Jan. 17.
Washing machines, Bottle, bottle filling machines and pasteurizers. Geo. J. Meyer Manufacturing Co. 519,847, Jan. 17; Serial No. 514,212, published Oct. 4, 1949.
Woodworking machinery, and work checking and holding fixtures. Moak Machine & Tool Company. 519,959, Jan. 17; Serial No. 553,969, published Oct. 4, 1949.
Woodworking machinery, Radial arm, radial arm saws, mechanical portable saws, etc. The Nall Corporation. 520,098, Jan. 17; Serial No. 543,827.
Wrapping-machines. Fellows & Hopkins. 76,145, renewed Dec. 21, 1949. O. G. Jan. 17.

CLASS 24

Ironing boards. Home Products Manufacturing Co., Inc. 520,093, Jan. 17; Serial No. 507,636.
Laundry apparatus, Commercial. The American Laundry Machinery Company. 519,886, Jan. 17; Serial No. 535,377, published Nov. 9, 1948.
Stretchers, Curtain. Sheldon Home Products Corp. 519,954, Jan. 17; Serial No. 553,219, published Oct. 11, 1949.
Washing machines, Clothes. Avco Manufacturing Corporation. 519,976, Jan. 17; Serial No. 556,308, published Oct. 11, 1949.
Washing machines, Clothes, clothes ironing machines and mangles, etc. The Cussins and Fearn Company. 519,953, Jan. 17; Serial No. 553,172, published Oct. 11, 1949.
Washing machines, Electrical clothes. William S. Moore. 519,988, Jan. 17; Serial No. 557,461, published Oct. 11, 1949.

CLASS 26

Apparatus and parts thereof for the synchronous production and reproduction of talking motion pictures. Powers Cinephone Equipment Corporation. 268,509, renewed Mar. 18, 1950. O. G. Jan. 17.
Calculating, computing, and accounting machines, etc. The National Cash Register Company. 268,815, renewed Mar. 18, 1950. O. G. Jan. 17.
Electronic equipment. Electric Eye Equipment Company. 519,939-40, Jan. 17; Serial No. 549,790-1, published Sept. 13, 1949.
Film, Photographic. Eastman Kodak Company. 261,621, Sept. 17, 1929. Republished Jan. 17.
Instruments and apparatus for indicating or measuring the flow of gases or liquids, etc. Londex Limited. 443,680, Jan. 17; Serial No. 497,728, published Sept. 13, 1949.
Laboratory apparatus, Scientific. Floyd Todd. 443,686, Jan. 17; Serial No. 513,278, published Sept. 13, 1949.
Measuring and control instruments, Electrical, and electrical test equipment. The Triplett Electrical Instrument Company. 519,849, Jan. 17; Serial No. 518,738, published Sept. 13, 1949.
Patterns and instructions for the construction of furniture, doll houses, toys, and the like. Donald R. Brann. 519,855, Jan. 17; Serial No. 522,119, published Sept. 13, 1949.
Slide chart, Manipulatable. Armin A. Behrens. 519,982, Jan. 17; Serial No. 556,863, published Sept. 13, 1949.
Sun glasses. Bachmann Bros., Inc. 519,850, Jan. 17; Serial No. 519,166, published Sept. 13, 1949.
Switches, Thermostatic. Minneapolis-Honeywell Regulator Company. 519,867, Jan. 17; Serial No. 527,763, published Sept. 13, 1949.
Tables, desks, benches an cabinets specifically designed and constructed for laboratory and scientific purposes. Laboratory Furniture Company, Inc. 519,856, Jan. 17; Serial No. 522,506, published Sept. 13, 1949.
Tester, Diesel nozzle. The Buda Company. 519,865, Jan. 17; Serial No. 527,753, published Sept. 13, 1949.
Thermometer and thermostatic control unit, Combined. Minneapolis-Honeywell Regulator Company. 519,868, Jan. 17; Serial No. 527,815, published Sept. 13, 1949.

CLASS 27

Clocks and watches. Western Clock Company. 263,730, renewed Nov. 12, 1949. O. G. Jan. 17.
Clocks and watches. Western Clock Company. 264,113, renewed Nov. 19, 1949. O. G. Jan. 17.
Watch movements and watch cases. Brandt, Louis, & Frère. 25,036, July 24, 1894. Republished Jan. 17.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 424,613, Oct. 15, 1946. Republished Jan. 17.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 432,222, Aug. 26, 1947. Republished Jan. 17.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 434,277, Nov. 18, 1947. Republished Jan. 17.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 439,665, July 13, 1948. Republished Jan. 17.

CLASS 29

Toothbrushes. The Cutino Company. 265,356, Dec. 24, 1929. Republished Jan. 17.

CLASS 32

Mattresses. Derry-Made Products, Inc. 267,021, renewed Feb. 11, 1950. O. G. Jan. 17.
Spring constructions, Upholstery. Nachman Springfilled Corporation. 357,610, June 7, 1938. Republished Jan. 17.

CLASS 34

Boilers, House-heating. United States Radiator Corporation. 266,524, renewed Jan. 28, 1950. O. G. Jan. 17.
Furnaces, heating systems, and parts thereof. P. H. Ma-Girl Foundry & Furnace Works. 269,259, renewed Apr. 1, 1950. O. G. Jan. 17.
Lanterns and parts thereof, Oil-burning. R. E. Dietz Company. 266,691, renewed Jan. 18, 1950. O. G. Jan. 17.

CLASS 35

Packing and jointing materials. Turner Bros. Ltd. 75,735, re-renewed Nov. 9, 1949. O. G. Jan. 17.
Packing and packing material. The Garlock Packing Company. 265,849, renewed Jan. 7, 1950. O. G. Jan. 17.

CLASS 36

Phonographs, Electric, and electric phonographs adapted for combination with radio receiving sets. Columbia Phonograph Company, Inc. 262,184, renewed Oct. 1, 1949. O. G. Jan. 17.

CLASS 37

Bands, Rubber. A. W. Faber. 73,469, re-renewed Apr. 20, 1949. O. G. Jan. 17.
Bands, Rubber. A. W. Faber. 76,110, re-renewed Dec. 14, 1949. O. G. Jan. 17.
Cards, Announcement, and mailing envelopes. Old Colony Envelope Company. 264,528, renewed Nov. 26, 1949. O. G. Jan. 17.
Paper, Toilet. The Peerless Paper Mills, Inc. 261,312, Sept. 17, 1929. Republished Jan. 17.
Pencils, Lead. American Lead Pencil Company. 262,648, renewed Oct. 15, 1949. O. G. Jan. 17.
Pencils, Lead, colored pencils and copying ink pencils, etc. A. W. Faber. 76,049, re-renewed Dec. 7, 1949. O. G. Jan. 17.

CLASS 38

Announcements, Printed birth. Imperial Publishers. 519,973, Jan. 17; Serial No. 556,099, published Oct. 18, 1949.
Booklet. Alexander Smith & Sons Carpet Company. 519,915, Jan. 17; Serial No. 545,542, published Oct. 25, 1949.
Cards, Greeting. Cellocraft Corporation. 520,050, Jan. 17; Serial No. 563,395, published Mar. 8, 1949.
Cards, Greeting. White & Wyckoff Mfg. Co. 520,071, Jan. 17; Serial No. 566,407, published Oct. 25, 1949.
Cards, Greeting, and printed greeting folders. Norcross, Inc. 443,991, Jan. 17; Serial No. 518,967, published Oct. 18, 1949.
Cards, Greeting, printed greeting folders, printed seals and printed decorative tags. Norcross, Inc. 519,990–1, Jan. 17; Serial Nos. 557,684–5, published Oct. 25, 1949.
Decalcomanias. T. E. Allison. 520,065, Jan. 17; Serial No. 565,032, published Oct. 18, 1949.
Feature in a magazine. Quality Comics, Inc. 519,927, Jan. 17; Serial No. 548,183, published Oct. 18, 1949.
House organ, color chip compilations, and printed publications. The Sherwin Williams Company. 519,884, Jan. 17; Serial No. 533,504, published May 17, 1949.
Illustrations, Printed, pictures, drawings, etc. L. P. Kohrs. 443,685, Jan. 17; Serial No. 512,782, published Oct. 18, 1949.
Magazine. O. D. Keep Associates, Inc. 519,848, Jan. 17; Serial No. 514,353, published Oct. 18, 1949.
Magazine. G. W. Whitehead. 519,873, Jan. 17; Serial No. 530,041, published Oct. 18, 1949.
Magazine. The Yorke Publishing Company, Inc. 519,977, Jan. 17; Serial No. 556,388, published Oct. 18, 1949.
Magazine feature. Macfadden Publications, Inc. 520,078, Jan. 17; Serial No. 567,417, published Oct. 25, 1949.
Magazine, Monthly. International Association, High Twelve Clubs. 443,695, Jan. 17; Serial No. 526,236, published Oct. 18, 1949.
Money, Stage. B. H. Buchheit. 520,063, Jan. 17; Serial No. 564,922, published Oct. 25, 1949.
Newspaper, Daily. Kinston Free Press Company, Inc. 520,069, Jan. 17; Serial No. 566,236, published Oct. 18, 1949.
Newspaper, Daily. The Tribune Company. 268,995, renewed Mar. 25, 1950. O. G. Jan. 17.
Newspaper, Weekly. Miami Beach Publishing Company. 520,067, Jan. 17; Serial No. 559,853, published Oct. 18, 1949.
Packs or packages of greeting cards, Wrapped. White & Wyckoff Mfg. Co. 519,983, Jan. 17; Serial No. 556,937, published Mar. 8, 1949.
Periodical. Electrical Trade Publishing Company. 266,582, renewed Jan. 28, 1950. O. G. Jan. 17.
Periodical. Lloyd Hollister, Inc. 261,333, renewed Sept. 17, 1949. O. G. Jan. 17.
Periodical. Lloyd Hollister, Inc. 261,512-3, renewed Sept. 17, 1949. O. G. Jan. 17.
Periodical. Kaleidoscope, Inc. 520,062, Jan. 17; Serial No. 564,878, published Oct. 18, 1949.
Periodical. North Shore Publishing Company. 261,511, renewed Sept. 17, 1949. O. G. Jan. 17.
Periodical. The Procter & Gamble Company. 520,067, Jan. 17; Serial No. 565,457, published Oct. 25, 1949.
Periodical, Monthly. Anabolic Food Products, Inc. 443,689, Jan. 17; Serial No. 515,359, published Oct. 4, 1949.
Periodical, Monthly. International Harvester Company of America. 127,955, Dec. 16, 1919. Republished Jan. 17.
Periodicals. Detroit Yacht Club. 520,054, Jan. 17; Serial No. 564,023, published Oct. 18, 1949.
Posters, Billboard. Foster and Kleiser Company. 443,692, Jan. 17; Serial No. 520,551, published Oct. 18, 1949.
Publication. A. O. Harris. 520,061, Jan. 17; Serial No. 564,725, published Oct. 18, 1949.
Publication, Monthly. Synthetic Nitrogen Products Corporation. 263,814, renewed Nov. 12, 1949. O. G. Jan. 17.
Publications, Monthly. Fawcett Publications, Inc. 520,032, Jan. 17; Serial No. 562,034, published Oct. 18, 1949.
Publications, Periodical printed. Lutterworth Periodicals Limited. 520,070, Jan. 17; Serial No. 566,391, published Oct. 18, 1949.
Transfers, printed hosiery and lingerie wraps, rider tickets, etc. Kaumagraph Company. 519,922, Jan. 17; Serial No. 547,256, published Oct. 18, 1949.
Transfers, printed hosiery and lingerie wraps, rider tickets, etc. Kaumagraph Company. 519,924, Jan. 17; Serial No. 547,555, published Oct. 18, 1949.

CLASS 39

Bathing trunks and bathing suits, Men's, women's, and children's. David D. Doniger & Co. 369,242, July 18, 1939. Corrected. O. G. Jan. 17.
Bibs, Children's. Heide Babe Products. 520,108, Jan. 17; Serial No. 557,039.
Blouses and waists, Ladies', misses' and girls'. Livingston & Livingston. 519,945, Jan. 17; Serial No. 550,526, published Oct. 4, 1949.
Blouses, slacks, and playsuits, Ladies'. Revelation Blouse Corp. 519,933, Jan. 17; Serial No. 549,389, published Oct. 4, 1949.
Brassières. Peter Pan Foundations, Inc. 520,112, Jan. 17; Serial No. 561,580.
Caps for men. David D. Doniger & Co., Inc. 156,231, June 20, 1922. Corrected. O. G. Jan. 17.
Chemises, princess slips, bloomers, dresses, etc., Ladies' and children's. I. Schneierson & Sons, Inc. 519,999, Jan. 17; Serial No. 558,941, published Oct. 11, 1949.
Clothing, Western style. R. M. Davidson. 530,099, Jan. 17; Serial No. 545,100.
Coats for men and boys, Sport. David D. Doniger & Co. 391,626, Nov. 18, 1941. Corrected. O. G. Jan. 17.
Coats, Ladies'. Town-Moor, Inc. 519,972, Jan. 17; Serial No. 556,034, published Sept. 27, 1949.
Coats, Men's and boys', sports. David D. Doniger & Co. 401,653, May 25, 1943. Corrected. O. G. Jan. 17.
Coats, suits, skirts, etc., Ladies' and misses'. I. Grossman & Son. 520,106, Jan. 17; Serial No. 556,261.
Corsets and girdles for ladies and misses. Rite-Form Corset Co. Inc. 519,902, Jan. 17; Serial No. 541,574, published Oct. 11, 1949.
Diapers, Textile baby, waterproofed textile diaper holders, disposable diaper pads, etc. Chicopee Sales Corporation. 443,687, Jan. 17; Serial No. 513,295, published Oct. 4, 1949.
Dresses, Children's. M. Tawil. 520,009, Jan. 17; Serial No. 560,064, published Oct. 4, 1949.
Dresses, jumper suits, costumes, and coats, Women's. Rima Model Gowns Limited. 519,975, Jan. 17; Serial No. 556,287, published Oct. 4, 1949.
Dresses, Ladies'. Streamline Garment Corporation. 519,971, Jan. 17; Serial No. 555,969, published Sept. 27, 1949.
Dresses, Ready-to-wear cotton. Princess Peggy, Inc. 519,963, Jan. 17; Serial No. 555,077, published Oct. 4, 1949.
Dresses, Women's. Weinberg, Weinberg & Alpern. 519,930, Jan. 17; Serial No. 549,100, published Oct. 11, 1949.
Dresses, Women's and misses'. Warshauer & Franck, Inc. 519,974, Jan. 17; Serial No. 556,155, published Sept. 27, 1949.
Garments, Ladies', misses', and girls' Russian weasel fur. J. E. Winters. 519,961, Jan. 17; Serial No. 554,751, published Oct. 4, 1949.
Girdles, Chique Foundations Corp. 520,066, Jan. 17; Serial No. 565,115, published Oct. 18, 1949.
Glove, Work. Good Luck Glove Company. 519,871, Jan. 17; Serial No. 529,019, published Oct. 11, 1949.
Gloves, Leather and fabric. Steinberger Bros. Glove Corp. 266,468, renewed Jan. 21, 1950. O. G. Jan. 17.
Gloves, Work. Buckeye Glove Co. 519,887, Jan. 17; Serial No. 535,478, published Mar. 2, 1948.
Hats for women, Felt, cloth, and straw. Hat Corporation of America. 519,905, Jan. 17; Serial No. 543,445, published Oct. 4, 1949.
Hats; shoes; slippers; putties; etc., Women's, misses', and children's. Russeks Fifth Avenue, Inc. 519,969, Jan. 17; Serial No. 555,860, published Sept. 27, 1949.

Hats, Straw. Henry Pollak, Inc. 519,965, Jan. 17; Serial No. 555,300, published Oct. 11, 1949.
Heels, soles, and half soles, Rubber. Hanover Rubber Company. 267,934, renewed Mar. 4, 1950. O. G. Jan. 17.
Hosiery. Brown Durrell Co. 268,179, renewed Mar. 11, 1950. O. G. Jan. 17.
Hosiery and knitted underwear for women and children. Mandel & Cohen. 240,211, Mar. 20, 1928. Republished Jan. 17.
Hosiery, Men's, women's, and children's. Pilot Full Fashion Mills, Inc. 517,454, Nov. 8, 1949. Corrected. O. G. Jan. 17.
Jackets, etc., Men's, boys', and women's. David D. Doniger & Co., Inc. 428,207, Mar. 11, 1947. Corrected. O. G. Jan. 17.
Overalls, snow suits, and play suits, Children's. American Playsuit Co. Inc. 519,928, Jan. 17; Serial No. 548,309, published Sept. 27, 1949.
Overcoats. Barach & Hurwitz, Inc. 263,753, Nov. 12, 1929. Republished Jan. 17.
Playsuits, overalls, ski suits, etc., Ladies' and misses'. Art-Mor Togs Inc. 519,903, Jan. 17; Serial No. 542,067, published Oct. 4, 1949.
Shirts and slacks for men and boys. David D. Doniger & Company. 381,923, Oct. 15, 1940. Corrected. O. G. Jan. 17.
Shirts, etc., Men's and boys' sport and dress. David D. Doniger & Co., Inc. 414,931, July 3, 1945. Corrected. O. G. Jan. 17.
Shoes, sandals, and boots. Kresge Department Store Corporation. 262,235, Oct. 1, 1929. Republished Jan. 17.
Slacks, etc., Men's and boys'. David D. Doniger & Co. 394,309, Mar. 31, 1942. Corrected. O. G. Jan. 17.
Slips, nightgowns, petticoats, panties and pajamas, Ladies' and children's. S. M. Strauss. 520,064, Jan. 17; Serial No. 565,019, published Oct. 18, 1949.
Slips, Women's. Belk's Buying Service, Incorporated. 519,978, Jan. 17; Serial No. 556,542, published Oct. 11, 1949.
Sport wear. David D. Doniger & Co. 236,466, Dec. 13, 1927. Corrected. O. G. Jan. 17.
Sportswear. David D. Doniger & Co. 312,221, Apr. 24, 1934. Corrected. O. G. Jan. 17.
Sportswear. David D. Doniger & Co. 327,274, Aug. 20, 1935. Corrected. O. G. Jan. 17.
Suits and coats, Ladies'. Joseph Goldberg & Sons, Inc. 520,111, Jan. 17; Serial No. 560,806.
Suits, overcoats, topcoats, etc. Men's, boys', and youths'. Kresge Department Store Corporation. 264,659, Dec. 3, 1929. Republished Jan. 17.
Sweaters, leather and cloth sport jackets, Men's and boys', etc. David D. Doniger & Co., Inc. 357,584, June 7, 1938. Corrected. O. G. Jan. 17.
Sweaters, Men's and boys'. David D. Doniger & Co., Inc. 436,484, Feb. 10, 1948. Corrected. O. G. Jan. 17.
Trousers, Boys' and men's, and boys', men's, and women's slacks. Endel Pants Co., Inc. 520,107, Jan. 17; Serial No. 557,030.
Underwear for women and children, Knitted. Mandel & Cohen. 236,898, Dec. 27, 1927. Republished Jan. 17.
Underwear, slips, pajamas, etc., Ladies' knitted and textile. Mitchel Schneider Co. Inc. 519,946, Jan. 17; Serial No. 551,050, published Oct. 18, 1949.
Wear, Women's. Anice. 520,045, Jan. 17; Serial No. 562,684, published Oct. 18, 1949.
Wearing apparel, Women's and children's. Alice Frock Company. 519,942, Jan. 17; Serial No. 550,200, published Oct. 11, 1949.
Wearing apparel, Women's and children's. Alice Frock Company. 519,943, Jan. 17; Serial No. 550,201, published Oct. 4, 1949.
Wearing apparel, Women's and children's. Carlton-Best Made Company. 520,038, Jan. 17; Serial No. 562,318, published Oct. 18, 1949.

CLASS 42

Fabrics in the piece, Cotton. Bemis Bro. Bag Company. 519,846, Jan. 17; Serial No. 512,763, published Mar. 29, 1949.
Piece goods, Rayon, cotton, and woolen. Raycrest Mills, Inc. 520,114, Jan. 17; Serial No. 563,754.

CLASS 45

Beverages, Nonalcoholic maltless, etc. Dr. Pepper Company. 520,105, Jan. 17; Serial No. 554,776.
Beverages, Nonalcoholic, nonceral, maltless. Krem-Ko Company. 267,360, renewed Feb. 18, 1950. O. G. Jan. 17.

CLASS 46

Agent for foods, Enriching, etc. Consumers Foodcraft Corporation. 420,301, Apr. 2, 1946. Amended. O. G. Jan. 17.
Apples, Fresh. A. Stanford. 519,997, Jan. 17; Serial No. 558,530, published Oct. 4, 1949.
Apples, Sliced. Fruit Belt Preserving Company. 519,880, Jan. 17; Serial No. 532,582, published Oct. 4, 1949.
Bakery products. Spaulding Bakeries, Inc. 520,109, Jan. 17; Serial No. 557,317.
Beeswax. The Will & Baumer Company. 75,494, re-renewed Oct. 5, 1949. O. G. Jan. 17.
Bread. General Baking Company. 265,108, renewed Dec. 17, 1949. O. G. Jan. 17.
Bread, rolls, and coffee cakes. Gordon Baking Co. 519,854, Jan. 17; Serial No. 521,877, published Oct. 4, 1949.
Bread, rolls, doughnuts, cookies, and cake. General Baking Company. 266,338, renewed Jan. 14, 1950. O. G. Jan. 17.
Buttermilk, Condensed. Beaver Meadow By-Products Corp. 519,892, Jan. 17; Serial No. 538,346, published Oct. 4, 1949.
Candy. The Flavour Candy Company. 519,941, Jan. 17; Serial No. 549,796, published Oct. 4, 1949.
Candy. Liberty Orchards Company. 520,001, Jan. 17; Serial No. 559,233, published Oct. 18, 1949.
Candy. Pangburn Company, Inc. 520,021, Jan. 17; Serial No. 561,333, published Sept. 27, 1949.
Candy. Standard Candy Company. 520,040, Jan. 17; Serial No. 562,414, published Oct. 4, 1949.
Candy; nuts; candied pop corn, and biscuits. E. F. Kemp. 265,174, Dec. 17, 1929. Republished Jan. 17.
Candy; nuts; candied pop corn, and biscuits. E. F. Kemp. 265,186, Dec. 17, 1929. Republished Jan. 17.
Candy, shelled salted peanuts, and corn chips. The Frito Company. 519,950, Jan. 17; Serial No. 552,140, published Oct. 4, 1949.
Canned fish. F. A. Gosse Company. 520,016, Jan. 17; Serial No. 560,757, published Sept. 27, 1949.
Canned fruits and vegetables, preserved fruits, jams, etc. The Morey Mercantile Company. 519,985, Jan. 17; Serial No. 557,147, published Oct. 11, 1949.
Canned oysters. McPhillips Packing Corporation. 519,860, Jan. 17; Serial No. 525,638, published Oct. 11, 1949.
Canned salmon. F. A. Gosse Company. 520,012, Jan. 17; Serial No. 560,401, published Sept. 27, 1949.
Canned salmon. F. A. Gosse Company. 520,013, Jan. 17; Serial No. 560,403, published Oct. 4, 1949.
Canned tomatoes. H. P. Tull & Company. 519,993, Jan. 17; Serial No. 558,084, published Oct. 4, 1949.
Canned tuna. Franco-Italian Packing Company. 519,885, Jan. 17; Serial No. 534,526, published Oct. 4, 1949.
Canned vegetables. Deerfield Packing Corporation. 519,958, Jan. 17; Serial No. 553,821, published Oct. 4, 1949.
Canned vegetables. Fairmont Canning Company. 519,919, Jan. 17; Serial No. 546,689, published Oct. 4, 1949.
Canned vegetables. King Pharr Canning Operations, Inc. 520,022, Jan. 17; Serial No. 561,387, published Oct. 4, 1949.
Canned vegetables, pork and beans, hominy, etc. Bush Brothers & Company. 520,028, Jan. 17; Serial No. 561,718, published Sept. 27, 1949.
Catsup, Tomato, and canned tomatoes. H. K. Nicolaisen. 519,995, Jan. 17; Serial No. 558,236, published Oct. 4, 1949.
Catsup, Tomato, chili sauce, etc. The Naas Corporation of Indiana. 519,883, Jan. 17; Serial No. 533,349, published Oct. 4, 1949.
Chewing gum. Barker Brands, Inc. 520,015, Jan. 17; Serial No. 560,528, published Sept. 27, 1949.
Chili con carne, chili powder, sandwich spread, etc. Gebhardt Chili Powder Company. 267,315, renewed Feb. 18, 1950. O. G. Jan. 17.
Coffee. C. W. Antrim & Sons. 268,939, renewed Mar. 25, 1950. O. G. Jan. 17.
Coffee. El Reno Wholesale Grocery Company. 139,528, Feb. 8, 1921. Republished Jan. 17.
Coffee; canned fruits. The Janszen Company. 269,500, renewed Apr. 8, 1950. O. G. Jan. 17.
Coffee, Roasted. The Dayton Spice Mills Co. 46,365, Sept. 12, 1905. Republished Jan. 17.
Cookies. F. M. Food Products Company. 519,843, Jan. 17; Serial No. 497,383, published Oct. 11, 1949.
Corn sugar. Corn Products Refining Company. 519,957, Jan. 17; Serial No. 553,466, published Oct. 4, 1949.
Doughnuts and doughnut flour. E. A. Hubbs. 309,368, Jan. 9, 1934. Republished Jan. 17.
Feed, Poultry, dairy feed, and horse feed. Dietrich & Gambrill, Inc. 519,932, Jan. 17; Serial No. 549,325, published Oct. 4, 1949.
Feeds, Horse, poultry, dairy, and stock. Aubrey & Company. 264,614, renewed Nov. 26, 1949. O. G. Jan. 17.
Fish, Fresh, fish fillets and frozen fish. Cape Ann Fisheries, Inc. 519,994, Jan. 17; Serial No. 558,108, published Oct. 4, 1949.
Flour, Wheat. The William Kelly Milling Company. 519,913, Jan. 17; Serial No. 545,130, published Oct. 4, 1949.
Flour, Wheat. The William Kelly Milling Company. 519,914, Jan. 17; Serial No. 545,132, published Oct. 4, 1949.
Flour, Wheat. C. B. Stout. 266,064–5, Jan. 14, 1930. Republished Jan. 17.
Flour, Wheat, whole-wheat flour, graham flour, etc. California Milling Corporation. 255,490, Apr. 23, 1929. Republished Jan. 17.
Food, Bird, and pet supplies. The R. T. French Company. 519,858, Jan. 17; Serial No. 524,451, published Oct. 4, 1949.
Food, Dog. The Quaker Oats Company. 520,049, Jan. 17; Serial No. 562,955, published Oct. 4, 1949.
Foods, Dietetic. Genatosan Limited. 519,918, Jan. 17; Serial No. 546,385, published Oct. 4, 1949.
Frankfurts, beef sausage, pork sausage, etc. New England Provision Co., Inc. 519,870, Jan. 17; Serial No. 528,141, published Oct. 4, 1949.

Fruits and vegetables, Fresh. Wilbourn's Incorporated. 520,008, Jan. 17; Serial No. 559,874, published Oct. 4, 1949.
Fruits, Citrus. Ontario-Cucamonga Fruit Exchange. 77,328, re-renewed Mar. 29, 1950. O. G. Jan. 17.
Fruits, Fresh citrus. Anaheim Citrus Fruit Association. 520,041, Jan. 17; Serial No. 562,440, published Oct. 4, 1949.
Fruits, Fresh citrus. Elderwood Citrus Association. 520,025, Jan. 17; Serial No. 561,662, published Sept. 27, 1949.
Fruits, Fresh citrus. Mission Citrus Association. 520,002–3, Jan. 17; Serial Nos. 559,529–30, published Sept. 27, 1949.
Fruits, Fresh citrus. Mountain View Fruit Association. 519,916, Jan. 17; Serial No. 545,593, published Oct. 4, 1949.
Fruits, Fresh citrus. Orange County Valencia Association. 519,920, Jan. 17; Serial No. 546,784, published Oct. 4, 1949.
Fruits, Fresh citrus. Polls & Hagan. 519,853, Jan. 17; Serial No. 521,464, published Aug. 17, 1948.
Fruits, Fresh citrus. San Fernando Fruit Growers Association. 520,044, Jan. 17; Serial No. 562,667, published Sept. 27, 1949.
Fruits, Fresh deciduous. Auburn Fruit Exchange. 519,967, Jan. 17; Serial No. 555,481, published Oct. 4, 1949.
Fruits, Fresh deciduous. The Lamb Fruit Company. 519,987, Jan. 17; Serial No. 557,363, published Oct. 4, 1949.
Fruits, Fresh deciduous. C. B. Rumble. 191,284, Nov. 4, 1924. Republished Jan. 17.
Fruits, Fresh deciduous, and fresh vegetables. Cochran Co., Inc. 519,962, Jan. 17; Serial No. 554,948, published Oct. 4, 1949.
Gelatin, gelatin dessert preparation, fruit pectin, etc. Enso Jel Company. 519,910, Jan. 17; Serial No. 543,909, published Oct. 4, 1949.
Grapes, Fresh. K. Karahadian. 520,027, Jan. 17; Serial No. 561,673, published Oct. 4, 1949.
Grapes, Fresh. S. A. Sexton. 267,018, renewed Feb. 11, 1950. O. G. Jan. 17.
Grapes, Fresh. Antone Zaninovich & Sons. 520,033–4, Jan. 17; Serial Nos. 562,114–15, published Sept. 27, 1949.
Ham. Jones Dairy Farm. 519,895, Jan. 17; Serial No. 540,192, published Oct. 4, 1949.
Ice cream. East Texas Creamery. 519,070, Jan. 17; Serial No. 555,929, published Oct. 4, 1949.
Jellies. Lady Leisure, Inc. 519,908, Jan. 17; Serial No. 543,814, published Oct. 4, 1949.
Jelly, jam, and fruit preserves, Prepared. Lawrence Baron, Inc. 519,956, Jan. 17; Serial No. 553,259, published Oct. 4, 1949.
Jelly powders, bars of chocolate, barley, etc. The Morey Mercantile Company. 519,986, Jan. 17; Serial No. 557,148, published Oct. 4, 1949.
Lard, Pure. Dold Packing Corporation. 519,949, Jan. 17; Serial No. 551,422, published Oct. 4, 1949.
Lettuce, Fresh. Simplot Western Idaho Produce, Inc. 519,929, Jan. 17; Serial No. 549,015, published Oct. 4, 1949.
Milk, Condensed, evaporated milk, powdered milk, malted milk, and cheese. Nestlé's Food Company, Inc. 269,340, renewed Apr. 1, 1950. O. G. Jan. 17.
Milk—crude, condensed, or sterilized; cream—crude, condensed, or sterilized, etc. Anglo-Swiss Condensed Milk Company. 34,413, re-renewed Apr. 3, 1950. O. G. Jan. 17.
Nutritional supplement. Vitaminerals, Inc. 519,864, Jan. 17; Serial No. 527,632, published Oct. 4, 1949.
Pickles, Candied sweet. Glaser, Crandell Co. 520,026, Jan. 17; Serial No. 561,667, published Sept. 27, 1949.
Plum pudding. Cock 'N Bull Products. 519,944, Jan. 17; Serial No. 550,386, published Oct. 4, 1949.
Popcorn, Candied and salted, potato chips, and candy. G. E. Halleman, Jr. 520,091, Jan. 17; Serial No. 500,614.
Pork, Fat back. Armour and Company. 519,862, Jan. 17; Serial No. 526,944, published Oct. 11, 1949.
Powders, Food savoring. International Minerals and Chemical Corporation. 519,882, Jan. 17; Serial No. 532,976, published Oct. 11, 1949.
Prunes, Dried. Safeway Stores, Incorporated. 520,095, Jan. 17; Serial No. 519,347.
Raisins. Consolidated Packing Company. 519,901, Jan. 17; Serial No. 541,405, published Oct. 11, 1949.
Raisins, raisin syrup, raisin bread, etc. Sun-Maid Raisin Growers of California. 519,890, Jan. 17; Serial No. 537,099, published May 31, 1949.
Sauce, Barbecue soy. R. N. Takaki. 443,694, Jan. 17; Serial No. 524,429, published Oct. 4, 1949.
Seafood products. Davis Bros. Fisheries Co., Inc. 519,898, Jan. 17; Serial No. 540,527, published Oct. 4, 1949.
Sugar. Holly Sugar Corporation. 519,869, Jan. 17; Serial No. 528,098, published Oct. 11, 1949.
Sugar. The Lactein Co. 264,215, renewed Nov. 19, 1949. O. G. Jan. 17.
Syrup, Barley malt. Anheuser-Busch, Inc. 519,955, Jan. 17; Serial No. 553,238, published Oct. 4, 1949.
Syrup, Table. Tea Garden Products Co. 519,966, Jan. 17; Serial No. 555,321, published Oct. 4, 1949.
Tea. Albert Ehlers, Inc. 520,024, Jan. 17; Serial No. 561,618, published Sept. 27, 1949.
Tea. Joseph Tetley & Co., Inc. 268,510, renewed Mar. 18, 1950. O. G. Jan. 17.
Vegetables, Fresh. P. G. Beecroft. 520,020, Jan. 17; Serial No. 561,222, published Sept. 27, 1949.
Vegetables, Fresh. R. W. Caldwell. 520,018, Jan. 17; Serial No. 560,967, published Sept. 27, 1949.
Vegetables, Fresh. Harry Reimer and Company. 519,889, Jan. 17; Serial No. 536,954, published Oct. 4, 1949.

CLASS 48

Beer. Minneapolis Brewing Company. 520,100, Jan. 17; Serial No. 545,148.

CLASS 50

Animal-traps. Oneida Community, Limited. 76,332, re-renewed Jan. 4, 1950. O. G. Jan. 17.
Canvas products. S. Brown. 520,117, Jan. 17; Serial No. 572,012.
Snares. Animal Trap Company of America. 264,784, renewed Dec. 3, 1949. O. G. Jan. 17.
Tents, tarpaulins, and waterproof fabric covers, etc. Bemis Bro. Bag Company. 519,846, Jan. 17; Serial No. 491,054, published July 27, 1948.

CLASS 51

Cosmetics. Henrik Gahns Aktiebolag. 265,162, renewed Dec. 17, 1949. O. G. Jan. 17.
Curling fluid, Hair. N. Dreyfuss. 520,110, Jan. 17; Serial No. 560,552.
Hormone cream for scalp and hair. Harry D. Koenig & Co., Inc. 520,083, Jan. 17; Serial No. 569,381, published Oct. 4, 1949.
Nail polish and lipstick. Associated Products, Inc. 519,841, Jan. 17; Serial No. 476,544, published Sept. 27, 1949.
Permanent wave solution, Machine and machineless. Bailey's Beauticians' Supply Co. 520,103, Jan. 17; Serial No. 548,911.
Toilet preparations. The Mollé Company. 268,971, renewed Mar. 25, 1950. O. G. Jan. 17.
Toilet water. Count Dorelis, Ltd. 443,688, Jan. 17; Serial No. 513,389, published Oct. 4, 1949.
Tooth powder. Pycope Incorporated. 269,334, renewed Apr. 1, 1950. O. G. Jan. 17.

CLASS 52

Chemical preparation for heavy rust and scale removal. Neilson Chemical Company. 520,092, Jan. 17; Serial No. 504,200.
Chemical preparation having disinfecting and germicidal properties. The Drackett Company. 519,951, Jan. 17; Serial No. 552,386, published Sept. 13, 1949.
Shampoo, Hair. J. C. Bode, Jr. 520,059, Jan. 17; Serial No. 564,603, published Sept. 27, 1949.
Soap. The Remmers-Graham Company. 203,719, Sept. 22, 1925. Republished Jan. 17.

CLASS 100

Engineering service. Bowen Engineering, Inc. 520,087, Jan. 17; Serial No. 530,461, published Oct. 4, 1949.

CLASS 102

Underwriting fire insurance, miscellaneous property insurance, etc. Niagara Fire Insurance Company. 520,089, Jan. 17; Serial No. 532,479, published Oct. 4, 1949.
Underwriting of the following classes of insurance: Fire insurance, miscellaneous property insurance, water damage insurance, etc. American Eagle Fire Insurance Company. 520,088, Jan. 17; Serial No. 532,423, published Oct. 4, 1949.

CLASS 103

Repairing china, bric-a-brac, jewelry, silverware, etc. Little Grey Gift Shop. 520,119, Jan. 17; Serial No. 569,384.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anderson, Roy F.: *See*—
Riley, Frank O., and Anderson.
General Motors Corporation, assignee: *See*—
Riley, Frank O., and Anderson.

Riley, Frank O., and R. F. Anderson, assignors to General Motors Corporation, Detroit, Mich. Door check and hold open. Re. 23,191; Jan. 17.

LIST OF DESIGN PATENTEES

Advance Aluminum Castings Corp., assignee: *See*—
Grundstrom, Erik G.
American Machine and Metals, Inc., assignee: *See*—
Miller, Hercheal W.
American Safety Razor Corporation, assignee: *See*—
De Mesquita, Edwin B.
Nelson, Edgar A.
Babcock, George, Chicago, Ill., assignor to Wm. Wrigley Jr. Company. Confection vending machine. 156,861, Jan. 17.
Balcrank, Inc., assignee: *See*—
Hand, Thomas L.
Blossom Manufacturing Co., assignee: *See*—
Shulman, Matthew H.
Boepple, Hans, New York, N. Y. Sweater. 156,862, Jan. 17.
Bonkowski, Teofil L., and H. Solloway, Los Angeles, Calif. Musical toy. 156,863, Jan. 17.
Brown, William S., Rye, and W. A. Soverns, Mount Vernon, N. Y., assignors to Thos. Emery's Sons, Incorporated, Cincinnati, Ohio. Washbasin and dressing table unit for bathrooms. 156,864, Jan. 17.
Burell, Arnold, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 156,865, Jan. 17.
Burgess Battery Company, assignee: *See*—
Elsner, Virgil.
Burnett, Merzellor M., South Pittsburg, Tenn. Automobile emblem plate. 156,866, Jan. 17.
Clearfield Furs, Inc., assignee: *See*—
Williams, Sylvan K.
Cogswell, Walter F., Colorado Springs, Colo. Bobby pin opener. 156,867, Jan. 17.
Cole, Jeanette S., North Kansas City, and D. E. Golden, Kansas City, Mo. Toy figure container for games. 156,868, Jan. 17.
Coro, Inc., assignee: *See*—
Katz, Adolph.
D'Alessandro, Frank, Buffalo, N. Y. Jewelry box. 156,869, Jan. 17.
Delman, Herman B., New York, N. Y. Shoe. 156,870, Jan. 17.
De Mesquita, Edwin B., Forest Hills, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Lighter. 156,871, Jan. 17.
Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Combination tea and toast dish or similar article. 156,872, Jan. 17.
Eastman Kodak Company, assignee: *See*—
Schubert, Alvin E., and Nivison.
Elsner, Virgil, Manhattan Beach, Calif., assignor to Burgess Battery Company, Lake Zurich, Ill. Sprayer. 156,873, Jan. 17.
Emery's, Thos., Sons, Incorporated, assignee: *See*—
Brown, William S., and Soverns.
Emmons, Kenneth G., Detroit, Mich. Paint kit. 156,874, Jan. 17.
Evans Case Co., assignee: *See*—
Reilly, William J.
Florman, Irving, New York, N. Y. Combined cigarette lighter and clock. 156,875, Jan. 17.
Foster Grant Co., Inc., assignee: *See*—
Ulvad, Bernard.
Fostoria Glass Company, assignee: *See*—
Yutzey, Marvin G.
Fraim, Joseph A., Norfolk, Va. Garden tool. 156,876, Jan. 17.
Fridinger, Marie, Vienna, Austria. Separable basket or similar article. 156,877, Jan. 17.
Fridinger, Marie, Vienna, Austria. Decorative centerpiece or similar article. 156,878, Jan. 17.
Golden, Dora E.: *See*—
Cole, Jeanette S., and Golden.
Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Cooking utensil. 156,879, Jan. 17.
Gwin, Robert C., Jr., Barrington, R. I. Washing machine. 156,880, Jan. 17.
Haft, Morris W., & Bros., Inc., assignee: *See*—
Burell, Arnold.
Hand, Thomas L., Cincinnati, assignor to Balcrank, Inc., Disney, near Marburg, Cincinnati, Ohio. Lubricator cabinet. 156,881, Jan. 17.
Harte & Company, Inc., assignee: *See*—
Malbach, John J.
Helsey, A. H., & Company, assignee: *See*—
Helsey, T. Clarence.
Helsey, T. Clarence, assignor to A. H. Helsey & Company, Newark, Ohio. Comport or article of similar nature. 156,882, Jan. 17.
Helsey, T. Clarence, assignor to A. H. Helsey & Company, Newark, Ohio. Candy dish or article of similar nature. 156,883, Jan. 17.
Helsey, T. Clarence, assignor to A. H. Helsey & Company, Newark, Ohio. Chocolate dish or article of similar nature. 156,884, Jan. 17.
Helsey, T. Clarence, assignor to A. H. Helsey & Company, Newark, Ohio. Ice tub or article of similar nature. 156,885, Jan. 17.
Hoback, Eugene, Los Angeles, Calif. Seat. 156,886, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,887, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,889, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,890, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,891, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,892, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,893, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,894, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,895, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,896, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,897, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,898, Jan. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,899, Jan. 17.
King's College, assignee: *See*—
Reynolds, John D., III.
Kipp, Helen B., Pasadena, Calif. Figurine. 156,900, Jan. 17.
Koslovsky, Isidore, New York, N. Y. Brassière. 156,901, Jan. 17.
Lewis, Joseph M., Wichita Falls, Tex. Air conditioner cabinet or the like. 156,902, Jan. 17.
Livermore, Jesse L., assignor to Princess Eve Products Corp., New York, N. Y. Toiletry bottle or the like. 156,903, Jan. 17.
Malbach, John J., assignor to Harte & Company, Inc., New York, N. Y. Plastic film material or the like. 156,904, Jan. 17.

Marzuoli, Paul L., Upper Darby, and J. B. O'Hara, Philadelphia, Pa. Handle for a scraping tool. 156,905, Jan. 17.
Miller, Hercheal W., Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y. Garment press control panel or similar article. 156,906, Jan. 17.
Milton, Paul E., San Lucas, Calif. Seed planter. 156,907, Jan. 17.
Moffitt, Theodore M., Balboa, Calif. Tube dispensing holder or similar article. 156,908, Jan. 17.
Nelson, Edgar A., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor blade dispenser. 156,909, Jan. 17.
Nestler, Paul R., Green Lane, Pa. Stocking. 156,910 Jan. 17.
Nivison, Wade S.: *See*—
Schubert, Alvin E., and Nivison.
Nussbaum, Solomon, St. Louis, Mo. Portable light. 156,911, Jan. 17.
O'Hara, James B.: *See*—
Marzuoli, Paul L., and O'Hara.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,912, Jan. 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,913, Jan. 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,914, Jan. 17.
Pitman-Dreitzer & Co., Inc., assignee: *See*—
Dreitzer, Albert J.
Pow, Erle J., Woodstock, Ontario, Canada. Dental lathe. 156,915, Jan. 17.
Princess Eve Products Corp., assignee: *See*—
Livermore, Jesse L.
Reilly, William J., Attleboro, Mass., assignor to Evans Case Co. Table lighter. 156,916, Jan. 17.
Reynolds, John D., III, Philadelphia, assignor to King's College, Wilkes-Barre, Pa. Finger ring. 156,917, Jan. 17.
Rockwell Manufacturing Company, assignee: *See*—
Stevens, Clifford B.
Rosenthal, Harry, Mount Vernon, N. Y. Carrying case for photographic light meters. 156,918, Jan. 17.
Schubert, Alvin E., Rochester, and W. S. Nivison, New York, N. Y., assignors to Eastman Kodak Company. Photographic viewing apparatus. 156,919, Jan. 17.
Shulman, Matthew H., assignor to Blossom Manufacturing Co., New York, N. Y. Fabric. 156,920, Jan. 17.
Sloan, Alexander, Cumberland, Md. Drinking glass. 156,921, Jan. 17.
Solloway, Harry: *See*—
Bonkowski, Teofil L., and Solloway.
Sonntag, Robert, Dallas, Tex. Cooking stove canopy or similar article. 156,922, Jan. 17.
Soverns, Wayne A.: *See*—
Brown, William S., and Soverns.
Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Jointer. 156,923, Jan. 17.
Surina, Albert A., North Plainfield, N. J. Cake plate. 156,924, Jan. 17.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Ulvad, Bernard, assignor to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 156,925, Jan. 17.
Wells Lamont Corporation, assignee: *See*—
Wells, William O., Jr.
Wells, William O., Jr., Kenilworth, assignor to Wells Lamont Corporation, Chicago, Ill. Textile fabric or similar article. 156,926, Jan. 17.
Williams, Sylvan K., assignor to Clearfield Furs, Inc., Clearfield, Pa. Lamp standard. 156,927, Jan. 17.
Wooden, Charles K., Burbank, Calif. Caddy-cart clip for holding cigarettes, golf tees, or the like. 156,928, Jan. 17.
Wrigley, Wm., Jr., Company, assignee: *See*—
Babcock, George.
Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Candy jar. 156,929, Jan. 17.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-1 Bit & Tool Company, Inc., assignee: *See*—
Denning, Charles O., and Yancey.
Abbott, Arthur R.: *See*—
Sullivan, Francis J., and Abbott.
Abbott, Furman S., Montclair, N. J., assignor to Airkem, Inc., New York, N. Y. Liquid diffuser. 2,494,640, Jan. 17.
Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,494,981, Jan. 17.
Advance Metal Products Company, assignee: *See*—
Hirschy, Charles.
Aeco Manufacturing Co., assignee: *See*—
Patterson, Howard V.
Afton, Leonard N., and S. Kaufman, Chicago, Ill., assignors to Arcadia Manufacturing Company. Film or plate viewer having a telescoping casing. 2,495,047, Jan. 17.
Ager, Clarence P., Bremerton, Wash. Template holder. 2,494,532, Jan. 17.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Babcock, Glen E., and Smith.
Burr, Horace K., and Makower.
Lewis, Arthur J., Moser, and Cowan.
Ratchford, William P., and Fisher.
Airkem, Inc., assignee: *See*—
Abbott, Furman S.
Airolite Company, The, assignee: *See*—
Rose, Fred.
Air Reduction Company, Incorporated, assignee: *See*—
Crowe, John J.
Nicolaisen, Reidar J.
Albrecht, Oscar A., Omaha, Nebr. Toy firearm. 2,494,605, Jan. 17.
Allen, Alaric: *See*—
Fleming-Williams, Brian C., and Allen.
Allen, Arthur C.: *See*—
Fagen, William F., Klug, and Allen.
Allen, George W.: *See*—
Tramontini, Vernon N., and Allen.
Allied Chemical & Dye Corporation, assignee: *See*—
Flett, Lawrence H., and Seigle.
Alliger, Glen, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of sulfenamides. 2,495,085, Jan. 17.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Landt, Newton A.
Alma, Gerrit H. P., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Resilient support and centering arrangement for the electrodes of electric discharge tubes. 2,494,853, Jan. 17.
Ambarcumian, Michael, Los Angeles, Calif. Mechanism for transferring a body from a trailer chassis to a truck chassis, and vice versa. 2,494,735, Jan. 17.
Ambelang, Joseph C.: *See*—
Smith, George E. P., Jr., and Ambelang.
American Bantam Car Company, assignee: *See*—
Aspin, Arthur W.
American Chemical Paint Company, assignee: *See*—
Spruance, Frank P., Jr.
Spruance, Frank P., Jr., and Thirsk.
American Cyanamid Company, assignee: *See*—
Cook, Elmer W., and Kushner.
American Fastener Company, The, assignee: *See*—
Kiessling, Max.
American-Marietta Company, assignee: *See*—
Keaton, Clark M.
American Seating Company, assignee: *See*—
Prosser, Joseph G. and T. W.
Amon, William F., Jr., Riegelsville, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. 1,2-dihydrobenzo-(f)-quinolin-3-ol, and its preparation. 2,495,048, Jan. 17.
Amos, James L., and K. E. Stober, assignors to The Dow Chemical Company, Midland, Mich. Polymerizing styrene in iron vessels. 2,494,924, Jan. 17.
Anderson, Herbert L., Hartford, Conn., and P. G. Koontz, Fort Collins, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation counter. 2,494,641, Jan. 17.
Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Hydraulic pump for propeller pitch changing mechanisms. 2,494,606, Jan. 17.
Anderson-Miller and Poston Mfg. Co., assignee: *See*—
Anderson, William A.
Anderson, William A., assignor to Anderson-Miller and Poston Mfg. Co., Spokane, Wash. Pipe coupling. 2,494,854, Jan. 17.
Anderson, William A., assignor to Anderson-Miller and Poston Mfg. Co., Spokane, Wash. Pipe coupling. 2,494,855, Jan. 17.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Water-level control. 2,495,086, Jan. 17.
Anlnga, Johannes B., and J. Tenger, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for making coated welding rods. 2,494,856, Jan. 17.
Ankeman, Earl B., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency stabilized arc welding system. 2,495,155, Jan. 17.
Anthes, Jacob, U. S. Army, Milwaukee, Wis. Remote radio controlled motor system. 2,494,533, Jan. 17.
Apgar, John N., Bound Brook, N. J. Tractor-semitrailer coupling. 2,494,982, Jan. 17.
Appelberg, Carl W., Stockholm, Sweden. Temperature regulator with signaling device. 2,494,925, Jan. 17.
Arcadia Manufacturing Company, assignee: *See*—
Afton, Leonard N., and Kaufman.
Armour and Company, assignee: *See*—
Sifferd, Robert H., and Porsche.
Armstrong, Francis J., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Spring filter construction. 2,494,535, Jan. 17.
Armstrong, Francis J., and H. F. Hamlin, Syracuse, assignors to United States Hoffman Machinery Corporation, New York, N. Y. Coolant filter system. 2,494,534, Jan. 17.
Arnoldy, Roman F., Houston, Tex. Oxidation of the hardened inner surface of a pump liner to facilitate its removal from the liner. 2,494,791, Jan. 17.
Arthur, Frank C., Topeka, Kans. Dark tank with temperature control for continuous films. 2,495,049, Jan. 17.
Ashaway Line & Twine Mfg. Co., assignee: *See*—
Welch, Herbert L.
Aspin, Arthur W., assignor to American Bantam Car Company, Butler, Pa. Door hinge. 2,494,682, Jan. 17.
Aspin, Arthur W., assignor to American Bantam Car Company, Butler, Pa. Vehicle spring suspension. 2,494,683, Jan. 17.
Atwood, Newell A., U. S. Navy, Bethesda, Md. Radio communication graphic calculator. 2,494,536, Jan. 17.
Auth, Robert: *See*—
Yoder, Joe, and Auth.
Auto Radiator Specialty Co., assignee: *See*—
Goldberg, Harry A.
B. B. Chemical Co., assignee: *See*—
Whitelegg, Rudolph F.
Babcock, Glen E., and A. K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Cold-setting resorcinol glue composition and preparation. 2,494,537, Jan. 17.
Bailey Meter Company, assignee: *See*—
Hornfeck, Anthony J.
Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,495,156, Jan. 17.
Baker Castor Oil Company, The, assignee: *See*—
Jubanowsky, Louis J.
Baker, William E., Oklahoma City, Okla. Movie reader for children. 2,494,926, Jan. 17.
Baldo, Louie, United States Navy. Window wiper apparatus. 2,494,538, Jan. 17.
Baldwin Locomotive Works, The, assignee: *See*—
Schaevitz, Herman.
Banker, Oscar H., Evanston, Ill. Chuck. 2,495,050, Jan. 17.
Barber, Harry J., Gidea Park, assignor to May & Baker Limited, Essex, England. Production of phenanthridine derivatives. 2,495,051, Jan. 17.
Barbour Welting Company, assignee: *See*—
Vizard, William C.
Barnard, Alfred L.: *See*—
Duvall, William H., and Barnard.
Barton, George C.: *See*—
Elliott, Harold E., and Barton.
Bassindale, Isaac B., Grasscroft, near Oldham, England. Spool axminster carpet loom. 2,494,983, Jan. 17.
Bata, Narodni P., assignee: *See*—
Kristek, Emanuel.
Bauer, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Quenching press. 2,494,984, Jan. 17.
Beaumont Birch Company, assignee: *See*—
McMullen, Cletus C.

Beech Aircraft Corporation, assignee: *See*—
Lassmann, Clyde V., and Naldenoff.
Paul, Lewis A.

Belden Manufacturing Company, assignee: *See*—
Huth, Carl M.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Ekstrand, Sture O., Maggs, and Ronci.
Guthe, Olof D. M., and Shann.
Robertson, Sloan D.
Rosen, Sidney.

Bench, David E.: *See*—
Hush, James M., and Bench.

Bendix Aviation Corporation, assignee: *See*—
Mossey, Joseph L.

Berkholder, George H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,495,087, Jan. 17.

Berry, Frank, Corinth, Miss. Reversing fluid motor of rotary abutment type. 2,495,088, Jan. 17.

Berwick, John D., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Copper base alloy. 2,494,736, Jan. 17.

Best, Charles L., Watertown, assignor of one-half to P. Ebling, Minneapolis, Minn. Loading and gathering apparatus for tractors. 2,494,684, Jan. 17.

Beukema, Willem: *See*—
Van Loon, Carel J., and Beukema.

Biel, Lewis J., Newton Highlands, Mass. Comb. 2,494,685, Jan. 17.

Blake, Robert P., Winchester, assignor to Polaroid Corporation, Cambridge, Mass. Infrared light-polarizing material and manufacture. 2,494,686, Jan. 17.

Bloom, Frederick A., Houston, Tex. Skull clamp. 2,494,792, Jan. 17.

Blumenthal, Sidney & Co., Inc., assignee: *See*—
Sullivan, Francis J., and Abbott.

Boe, Carsten F., Wooddale, Del. Valve means for spraying devices. 2,494,793, Jan. 17.

Bogenhagen, Gustave H., Cheyenne Wells, Colo. Adjustable belt pulley assembly. 2,495,089, Jan. 17.

Bolender, Augustus B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling. 2,494,539, Jan. 17.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Oxidation of mercaptans in the presence of c-nitroso aromatic compounds. 2,494,687, Jan. 17.

Bonnell, William S., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Hydrocarbon treatment and regeneration. 2,494,794, Jan. 17.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Steering gear. 2,494,738, Jan. 17.

Booth, James H., Corunna, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 2,494,739, Jan. 17.

Borden, Warren A., Zion, Ill. Air cooling system for automotive vehicles. 2,495,090, Jan. 17.

Borg-Warner Corporation, assignee: *See*—
Bolender, Augustus B.

Borst, Simon V., Oshkosh, Wis. Heat controlling system. 2,494,737, Jan. 17.

Bortnick, Newman M.: *See*—
Butterbaugh, Darrel J., and Bortnick.

Boston Safe Deposit and Trust Company, executor: *See*—
Wells, George W.

Boucher, Cormack E., Seattle, Wash. Film holder. 2,494,740, Jan. 17.

Bouchet, Georges, Bellevue, assignor to Societe "Quartz & Silice," Paris, France. Optical pyrometer. 2,494,607, Jan. 17.

Bowman-Manifold, Michael: *See*—
Cork, Edward C., and Bowman-Manifold.

Boxart Machine Company, assignee: *See*—
Haas, Frank J.

Boyd, Elvin L., Dexter, Iowa. Mowing machine. 2,494,741, Jan. 17.

Bradley, Robert J., assignor of one-half to H. B. Mecklenburg, Cleveland, Ohio. Adjustable cutter. 2,495,091, Jan. 17.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Frequency-detector and frequency-control circuits. 2,494,795, Jan. 17.

Bramble, John H.: *See*—
Horstman, Clifford C., and Bramble.

Bray, William N., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Work guidance assistance for manually guided machine operations. 2,494,688, Jan. 17.

Breadner, Robert L., Kenton, H. G. Jenkins, Pinner, and C. H. Simms, Twickenham, England, assignors to General Electric Company. Making electric discharge lamps. 2,494,857, Jan. 17.

Breeze, Corporations, Inc., assignee: *See*—
Medvetz, Edward.

Brenneis, August F.: *See*—
Taylor, Edward C., and Brenneis.

"Brevets Aero-Mecaniques" S. A., assignee: *See*—
Maillard, Bernard.

Briggs Filtration Company, The, assignee: *See*—
Ewbank, Walter J.

Bristol Company, The, assignee: *See*—
Mabey, Charles A.

British Insulated Callender's Cables Limited, assignee: *See*—
Forrester, William F., Hinde, and Szigeti.

Brooks, Harvey: *See*—
Sebring, Paul B., and Brooks.

Brooks, Julius: *See*—
Wald, Morton, Brooks and Leaman.

Brown, Archibald M.: *See*—
Perrine, Clarence E.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.

Brown, William T., West Suffield, Conn., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass. Inflatable game ball. 2,494,796, Jan. 17.

Browne, Thomas E., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic device. 2,495,157, Jan. 17.

Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Tie eyelet for orthodontia. 2,494,540, Jan. 17.

Buchan, Andrew C.: *See*—
Mead, William H., and Buchan.

Bugatti, Ettore, Paris, France. Lathe. 2,494,797, Jan. 17.

Bullard Clark Company, The, assignee: *See*—
Moe, J. Edgar.

Bumstead, Dale, Jr., Seattle, Wash. Furnace. 2,494,608, Jan. 17.

Burd, Samuel I. New York, N. Y., assignor to Reconstruction Finance Corporation, Philadelphia, Pa. Adjustable welt for stockings. 2,494,927, Jan. 17.

Burgess Battery Company, assignee: *See*—
Simmons, Frank A.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Cord lock mounting for Venetian blinds. 2,494,858, Jan. 17.

Burr, Horace K., San Pablo, and B. Makower, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Vacuum drier with automatic capping device. 2,494,541, Jan. 17.

Buske, Gilbert E., Anson Township, Chippewa County, assignor to National Pressure Cooker Company, Eau Claire, Wis. Engine construction and cooling method. 2,494,742, Jan. 17.

Butterbaugh, Darrel J., Abington, and N. M. Bortnick, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of methacrolein oxime. 2,494,859, Jan. 17.

Cal Grove Products Co., assignee: *See*—
Erickson, Harry E.

Campbell, Harris S., Bryn Athyn, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Aircraft rotor damping device. 2,494,985, Jan. 17.

Canfield, Robert W., West Hartford, and R. B. Woodward, South Coventry, assignors to Plax Corporation, Hartford, Conn. Method and apparatus for producing twisted thermoplastic resin strips. 2,494,689, Jan. 17.

Cargill, Incorporated, assignee: *See*—
Markley, Max C.

Carissimi, Louis C., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Cam wear plate for switch blades. 2,494,986, Jan. 17.

Carlin, Herbert J., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase shifter. 2,495,158, Jan. 17.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Eisenberg, Julius G.
Kling, Fred E.
Schmidt, William E.

Carter Carburetor Corporation, assignee: *See*—
Edelen, James L.

Casciani, Ferri, Lewiston, and G. K. Storin, Niagara Falls, assignors to Niagara Alkali Company, New York, N. Y. Bleaching pulp. 2,494,542, Jan. 17.

Case, John C., and L. S. Meyer assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Corrugating mold. 2,494,642, Jan. 17.

Cates, Julius, Wembley, England, assignor to General Electric Company. Circuits for electric discharge lamps. 2,494,860, Jan. 17.

Celanese Corporation of America, assignee: *See*—
Crawshaw, Harry.
Dreyfus, Henry.

Cemenstone Corporation, The assignee: *See*—
Henderson, Albert.

Cerny, Walter J., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Scuff plate luggage rack. 2,494,690, Jan. 17.

Chaitin, Rose R., Freehold N. J. Heating device. 2,494,987, Jan. 17.

Chance, Leroy R.: *See*—
Nance, Keith L. and Chance.

Chaplin Corporation, assignee: *See*—
Chaplin, Merle P.

Chaplin, Merle P., South Portland, assignor to Chaplin Corporation, Portland, Me. Manufacturing pulp articles. 2,494,743, Jan. 17.

Chapman, George A., London, England. Electrically heated airer. 2,494,861, Jan. 17.

Chertoff, Israel, Brooklyn, N. Y. Vibrating device. 2,495,159, Jan. 17.

Chicago Development Company, assignee: *See*—
Hood, Donald R., and Stanley R.

Chicago Mill and Lumber Company, assignee: *See*—
Christian, Moss B., and Ladd.

Christian, Moss B., Tallulah, and H. F. Ladd, Delhi, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Glue. 2,494,744 Jan. 17.

Ciba Limited, assignee: *See*—
Holbro, Theodor, Sutter and Kern.
Sallmann, Richard.

Cincinnati Industries, Inc., assignee: *See*—
Rowe, William W.

Clark, John F., III, Burbank, Calif., assignor to Radio Corporation of America. Volume indicator system. 2,494,643 Jan. 17.

Clarke, Robert L., Albany, N. Y. Light polarizing apparatus for determining color blindness. 2,494,543, Jan. 17.

Clement, Irving H., River Edge, N. J., assignor to Dielectric Products Company, Incorporated. Gas dehydration system. 2,494,644, Jan. 17.

Cleveland Punch & Shear Works Company, The, assignee: *See*—
Weiland, John N.

Cleveland Steel Products Corporation, assignee: *See*—
Grissinger, Daniel D.

Cohen, Heinrich, assignor to Laboratoires Medial S. A., Geneva, Switzerland. Preparation of aromatic coffee extract. 2,494,928, Jan. 17.

Colaiuca, Leonardo, Somerville, N. J. Shuffleboard weight. 2,494,929, Jan. 17.

Cole, Lester, Nicholls, Ga. Root cutter. 2,495,052, Jan. 17.

Coles, Joseph F.: *See*—
Mayer, Erwin and Coles.

Colgate-Palmolive-Peet Company, assignee: *See*—
Marshall, Donald E.

Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Two-way light communication system. 2,494,645, Jan. 17.

Collura, Francesco, New York, N. Y., assignor to Waterous Company, St. Paul, Minn. Centrifugal pump. 2,494,988, Jan. 17.

Colonial Radio Corporation, assignee: *See*—
Pifer, Marion J.

Colston, Arthur L., Manhattan Beach, Calif. Body manipulating table. 2,494,746, Jan. 17.

Columbia Blind Stitch Machine Mfg. Corp., assignee: *See*—
Zahler, Ben.

Columbia Mills, The, Inc., assignee: *See*—
Burns, Fred J.

Columbian Bronze Corporation, assignee: *See*—
Steinmeyer, Frank E.

Conaway, Rollin F., and I. V. Hitt, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Drying of yarns and the like. 2,495,053, Jan. 17.

Cook, Elmer W., New York, and S. Kushner, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Preparation of a penicillin-like compound. 2,494,745, Jan. 17.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Regulating pressures in an absorption refrigerating system in accordance with ambient temperatures. 2,494,989, Jan. 17.

Cooper, David M., Huddersfield, England. Means for use in the designing of woven fabrics. 2,495,054, Jan. 17.

Cooper Oven Thermometer Company, The, assignee: *See*—
Nodine, Frederick A.

Cork, Edward C., and M. Bowman-Manifold, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Electric wave guide. 2,494,691, Jan. 17.

Corning Glass Work, assignee: *See*—
Kohl, Charles F., Jr.
Prokopec, James C.
Warrick, Earl L.

Cossor, A. C., Limited, assignee: *See*—
Fleming-Williams, Brian Clifford, and Allen.

Cottrell, C. B., & Sons Company, assignee: *See*—
Meyer, Joseph E.

Cowan, John C.: *See*—
Lewis, Arthur J., Moser and Cowan.

Cox, John H., Seville, and R. L. Miller, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Pneumatic jack inflatable by exhaust of automobiles. 2,495,092, Jan. 17.

Craig, W. E., Philadelphia, and W. F. Hester, Drexel Hill, assignors to Rohm & Haas Company, Philadelphia, Pa. Methylol phosphites. 2,494,862, Jan. 17.

Craven, Walter S., Kremmling Colo. Detachable anti-slip device for footwear. 2,494,692, Jan. 17.

Crawshaw, Harry, London, England, assignor, by mesne assignments, to Celanese Corporation of America. Woven fabric. 2,494,646, Jan. 17.

Crompton & Knowles Loom Works, assignee: *See*—
Whitin, Herbert A.

Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated. Method and apparatus for flame hardening and annealing. 2,495,055, Jan. 17.

Cutler-Hammer, Inc., assignee: *See*—
Drugmand, Lester D.
Welch, Jerome B.

Dalboni, Carlo, New York, N. Y. Calculator. 2,494,609, Jan. 17.

Dauel, Detlef H., Toledo, Ohio. Can opener and closure device. 2,495,056, Jan. 17.

Davidson, John B., and J. F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc. Manufacture of glycol thioethers. 2,494,610, Jan. 17.

Davis, Ralph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Control apparatus. 2,495,160, Jan. 17.

Dawson, Samuel E.: *See*—
Pimlott, John R., and Dawson.

Dearborn Motors Corporation, assignee: *See*—
Simmonds, John J.
Simmonds, Wayne W.

De Jur-Amsco Corporation, assignee: *See*—
Moomaw, Lewis H.

De Lano, Ralph B., Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Locating discontinuities by pulses of radiant energy. 2,494,990, Jan. 17.

Delaware Engineering Corporation, assignee: *See*—
Moore, William E.

De Montaner, Ramon, Barcelona, Spain. Iodinated sulfonamide. 2,494,930, Jan. 17.

De Montaner, Ramon, Barcelona, Spain. N⁴-acetyl, n¹-(p-iodophenyl) sulfanilamide. 2,494,931, Jan. 17.

Denning, Charles O., and J. R. Yancey, assignors to A-1 Bit & Tool Company, Inc., Houston, Tex. Sidewall coring tool. 2,494,932, Jan. 17.

Denzer, Raymond F., Attleboro, Mass. Splash guard. 2,495,195, Jan. 17.

Dewey, Clarence L., Elkhart, Ind. Chair. 2,494,647, Jan. 17.

Dielectric Products Company, Inc., assignee: *See*—
Marshall, James R.

Dielectric Products Company, Incorporated, assignee: *See*—
Clement, Irving H.

Dietz, John J., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Calibration of thermal relays. 2,494,863, Jan. 17.

Dillingham, Morgan V., Lee's Summit, Mo. Tractor carried implement attaching mechanism. 2,495,057, Jan. 17.

Dinken, Jack M., New York, N. Y. Coat and trouser hanger. 2,494,648, Jan. 17.

Dissel, Theodore A., Hartford, and I. L. Newell, Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Ski lacquer. 2,494,531, Jan. 17.

Dobkin, William J., New York, N. Y., assignor to The Nik-O-Lok Company, Indianapolis, Ind. Folding shelf. 2,494,798, Jan. 17.

Donahue, Helen, Richland, Wash. Diaper. 2,494,933, Jan. 17.

Doucette, Adrian R., Millvale, assignor to The Union Switch & Signal Company, Swissvale, Pa. Direct reading capacity meter. 2,494,934, Jan. 17.

Dow Chemical Company, The, assignee: *See*—
Amos, James L., and Stober.

Doyle, Irving W., Massapequa, and R. A. White, Pleasantville, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Film feeding and winding apparatus. 2,495,161, Jan. 17.

Drafto Corporation, assignee: *See*—
Tucker, Charles D.

Drake, James W., assignor to Woodward Governor Company, Rockford, Ill. Follow-up mechanism. 2,495,162, Jan. 17.

Dreyfus, Henry, deceased, London, England, by C. Bonard, administrator, assignor to Celanese Corporation of America. Tire building and material used therein. 2,494,649, Jan. 17.

Drugmand, Lester D., Greenfield, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Arc welding system. 2,494,747, Jan. 17.

Dubeau, Archie L.: *See*—
Vincent, George P., and Dubeau.

Dumas, Francois U., Spencer, Mass. Perforated combustion tube oil burner having atmospheric air draft inducing means. 2,494,991, Jan. 17.

Dungler, Julien, Basel, Switzerland. Tentering or like machine for drying cloth or other material. 2,495,163, Jan. 17.

Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Bobbin. 2,495,058, Jan. 17.

Dunn, Andrew C., Chicago, Ill. Forging. 2,494,935, Jan. 17.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Conaway, Rollin F., and Hitt.
Kirk, William, Jr., Schreiber, and Whitman.

Duvall, William H., Houston, and A. L. Barnard, Ganado, Tex. Trailer coupling. 2,494,799, Jan. 17.

Ebling, Paul, assignee: *See*—
Best, Charles L.

Eby, Hugh H., Inc., assignee: *See*—
Wanner, Louis R.

Eckman, Merll L., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Conveyer for removing pipe from galvanizing baths. 2,495,093, Jan. 17.

Edberg, Per: *See*—
Thomas, Albert R., and Edberg.

Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor testing device and method. 2,494,936, Jan. 17.

Edison, Thomas A., Incorporated, assignee: *See*—
Dietz, John J.
Jones, Harry S.

Eggleston, Robert W.: *See*—
Stein, Joseph M., and Eggleston.

Elmco Corporation, The, assignee: *See*—
Royle, Edwin B.

Eisenberg, Julius G., now by judicial change of name Julius G. Elwood, Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Antiplugging control for motors. 2,494,611, Jan. 17.

Ekstrand, Sture O., Bergenfield, N. J., C. Maggs, and V. L. Roncl, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,494,693, Jan. 17.

Electric & Musical Industries Limited, assignee: *See*—
Cork, Edward C., and Bowman-Manifold.

Electronic Enterprises: *See*—
Hall, Willard C.

Elliott, Harold E., and G. C. Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,494,694, Jan. 17.

Elwood, Julius G.: *See*—
Eisenberg, Julius G.

Emerson, J. H., Company, assignee: *See*—
Leyenaar, Jan.

Enock, Arthur G., Thame, England. Machine for capping milk and other bottles and similar containers. 2,495,094, Jan. 17.

Enterprise Railway Equipment Company, assignee: *See*—
Zimmer, Albert E.

Erickson, Clifford E., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Housing latch for telephone sets. 2,495,164, Jan. 17.

Erickson, Harry E., assignor to Cal Grove Products Co., Los Angeles, Calif. Can cooling machine. 2,494,864, Jan. 17.

Erlich, Victor L., New York, N. Y., assignor to Wisconsin Malting Company, Milwaukee, Wis. Grain preparation. 2,494,544, Jan. 17.

Ernestus, Adolph W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Piston. 2,494,748, Jan. 17.

Essex Manufacturing Company, assignee: *See*—
Guller, Harold.

Evans, Raymond N., and A. P. Ingrassia, assignors to Masonite Corporation, Laurel, Miss. Lignin resins and making same. 2,494,545, Jan. 17.

Eversharp, Inc., assignee: *See*—
Martin, Henry G.

Ewbank, Walter J., assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Stacked disk filter. 2,495,095, Jan. 17.

Fagen, William F., Indianapolis, Ind., C. W. Klug and A. C. Allen, assignors to Stewart-Warner Corporation, Chicago, Ill. Electronic ignition and generator control apparatus. 2,494,749, Jan. 17.

Fairbanks, Morse & Co., assignee: *See*—
Kuttner, Julius.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Doyle, Irving W., and White.

Fasce, Egi V., Baton Rouge, La., assignor to Standard Oil Development Company. Separation of olefins. 2,494,546, Jan. 17.

Ferguson, Harry, Inc., assignee: *See*—
Hamilton, Matthew E.

Ferguson, John P., Spokane, Wash., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode-ray tube. 2,494,992, Jan. 17.

Field, Oscar S., S. N. Wight, and R. W. Hewes, assignors to General Railway Signal Company, Rochester, N. Y. Airplane approach control system. 2,495,140, Jan. 17.

Finley, Tilbert L., Bonham, Tex. Automatic fishing device. 2,494,800, Jan. 17.

Firestone Tire & Rubber Company, The, assignee: *See*—
Alliger, Glen.
Campbell, Harris S.
Cox, John H., and Miller.
Davis, Ralph C.
Greenup, Harold W., and Jordan.
Harrison, Staunton R., and Hill.
Huff, Howard W.
Koenig, Arthur C.
Kuhn, Max O.
McCollister, William H.
Miller, Alvin D., and O'Connell.
Perrine, Clarence E., and Brown.
Rodman, Sayre.
Rowland, George P., Jr.
Schmidt, Ernst.
Smith, George E. P., Jr., and Amberland.
Street, John N.

Fish, Russell H., Jr., Hollywood, Calif. Land and air vehicle. 2,494,547, Jan. 17.

Fisher, Charles H.: *See*—
Ratchford, William P., and Fisher.

Fisher, Frank R., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons with recovery of coke. 2,494,695, Jan. 17.

Fisher, Willis A., Amherst Township, Erie County, N. Y., assignor to the United States of America as represented by the Secretary of War. Production of 7-chloro-4-aminoquinolines. 2,494,801, Jan. 17.

Flame Cultivation, Incorporated, assignee: *See*—
Richards, Atherton.

Fleming-Williams, Brian C., and A. Allen, assignors to A. C. Cossor Limited, London, England. Triggered electronic sweep generator. 2,494,865, Jan. 17.

Flett, Lawrence H., Scarsdale, and L. W. Seigle, Bronxville, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of n-(hydroxy-aryl) aspartic acid diesters. 2,494,650, Jan. 17.

Flynn, Francis K., New York, assignor to Silent Hoist & Crane Co., Inc., Brooklyn, N. Y. Load handling apparatus for industrial trucks. 2,494,651, Jan. 17.

Forbes, Charles F., Los Angeles, Calif. Caster brake. 2,494,696, Jan. 17.

Ford, Ledger D., and F. L. Stutz, assignors to Kirsch Company, Sturgis, Mich. Curtain rod. 2,494,697, Jan. 17.

Fornicola, Beatrice, Rochester, N. Y. Spectacles with ornamental chain for holding them in place. 2,494,750, Jan. 17.

Forrest, Donald L., assignor of five per cent to Fort Worth Structural Steel Company, Fort Worth, Tex. Adjustable cutting torch holder. 2,494,698, Jan. 17.

Forrester, William F., Glasgow, R. M. Hinde, Huyton, near Liverpool, and B. Szigeti, Clifton, Bristol, assignors to British Insulated Callender's Cables Limited, London, England. Manufacture of dielectric materials. 2,494,699, Jan. 17.

Forster, William H., assignor to Philco Corporation, Philadelphia, Pa. Asymmetrical discriminator. 2,494,751, Jan. 17.

Fort Worth Structural Steel Company, assignee: *See*—
Forrest, Donald L.

Foster, Reginald T., Birkenhead, England, assignor to Imperial Chemical Industries Limited. Manufacture of chlorocresols. 2,494,993, Jan. 17.

Fox, James E., Denver, Colo. Low level switch for hydraulic brakes. 2,494,802, Jan. 17.

Fressola, Alfred J., Bridgeport, Conn. Agitating device. 2,494,866, Jan. 17.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of fluorine from organic materials. 2,494,867, Jan. 17.

Frost, Jack, Dallas, and R. Hermes, Midland, Tex. Multiple passage pipe sections for oil well drills or the like. 2,494,803, Jan. 17.

Fuller Company, assignee: *See*—
Lenhart, Herbert S.

Fulmer, Norman C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,495,165, Jan. 17.

Funke, Wilhelm: *See*—
Vollmer, Mathilda C., and Funke.

Gabriel, John P., St. Paul, Minn. Safety attachment for rowboats and the like. 2,494,804, Jan. 17.

Gabrielsen, Christian, assignor to The Rowe Manufacturing Co., Inc., Whippany, N. J. Operating bar for vending machines. 2,494,805, Jan. 17.

Gage, Karl S., Chicago, Ill. Portable piano. 2,494,700, Jan. 17.

Gamallo, Gumersindo V., Youngstown, Ohio. Metal cutting machine. 2,494,994, Jan. 17.

Gambell, Carlos H., Mulino, Oreg. Pressure fluid control arrangement. 2,494,752, Jan. 17.

Gandy, Aaron E., Seymour, Tex. Aquarium. 2,494,937, Jan. 17.

Gannon, Millard T., assignor ot Polaroid Corporation, Cambridge, Mass. Developing magazine for cameras. 2,495,113, Jan. 17.

Ganzert, Albert E., Chicago, assignor to J. D. Kennelly, Oak Park, Ill. Locomotive headlight assembly. 2,494,652, Jan. 17.

Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,494,753, Jan. 17.

Gardner, Ralph N., Chicago, Ill. Spacing collar. 2,494,995, Jan. 17.

Geddes, John W., Boston, assignor to H. K. Porter, Inc., Everett, Mass. Rivet cutter. 2,494,996, Jan. 17.

Geffroy, Robert R. L., Neuilly-sur-Seine, assignor to Volcan S. A., Levallois (Seine), France. Check valve. 2,494,653, Jan. 17.

Geigy Company Limited, The, assignee: *See*—
Hobday, Cyril, and Goodall.

Geigy, J. R., A.-G., assignee: *See*—
Schmid, Otto, and Schetty.

Geistert, Lewis A., assignor to Simplex Display Fixture Company, Grand Rapids, Mich. Display dolly. 2,494,997, Jan. 17.

General Aniline & Film Corporation, assignee: *See*—
Amon, William F., Jr.
Hanford, William E.
Max, Fritz, and Randall.
Slifkin, Sam C., and Trojnar.

General Controls Co., assignee: *See*—
Ray, William R.

General Electric Company, assignee: *See*—
Breadner, Robert L., Jenkins, and Simms.
Cates, Julius.
Greiner, Alfred.
Greiner, Alfred, and Seitz.
Kroger, Ferdinand A., and Voogd.
Mayer, Harry F.
Noel, Edward B.
Oppel, John A.
Vahle, Julius.
Van der Poel, Johannes M.
Van Horn, Irving H.
Van Liempt, Johannes A. M.
Yoder, Joe, and Auth
Zimmerman, Stanley W.

General Railway Signal Company, assignee: *See*—
Saint, Samuel P.
Sedgwick, Oscar S., Wight, and Hewes.

Geremia, Leo F., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Circuit breaker. 2,494,868, Jan. 17.

Gibson, Frederick W., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass. Inflated ball. 2,494,806, Jan. 17.

Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Manually controllable coded track circuit signaling system. 2,494,940, Jan. 17.

Gleason Works, assignee: *See*—
Bauer, Oliver F.

Gleeson, William W., assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Centerless grinding process. 2,494,938, Jan. 17.

Glidden Company, The, assignee: *See*—
Hampton, Burt L.

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Boiler. 2,494,654, Jan. 17.

Godwin, William S., Baltimore, Md. Dowel assembly for concrete road joints. 2,494,869, Jan. 17.

Goetz, Richard, assignee: *See*—
Haas, Frank J.

Gogerty, Frances E., Balboa Island, Calif. Surgical boot. 2,494,701, Jan. 17.

Goldberg, Harry A., assignor to Auto Radiator Specialty Co., Chicago, Ill. Heat exchanger. 2,494,548, Jan. 17.

Goldberg, Jacob M.: *See*—
Goldberg, Nathan E., and Jacob M.

Goldberg, Nathan E. and J. M., Denver, Colo. Separable moving picture film reel. 2,494,612, Jan. 17.

Golden State Company, Ltd., assignee: *See*—
Sharp, Paul F.

Goldsborough, Shirley L., Basking Ridge, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Distance-type relay with limited directional discrimination. 2,495,166, Jan. 17.

Goldsmith, Robert H.: *See*—
Moss, Arthur L. C., and Goldsmith.

Goll, Milton, Rosselle, assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Pest control agents. 2,494,941, Jan. 17.

Goodall, Frederic L.: *See*—
Hobday, Cyril, and Goodall.

Goodrich, B. F., Company, The, assignee: *See*—
Legullon, Charles W., and Krupp.
Weber, John A.

Gordos, Arpad J. and M. B., Clymer, Pa. Clothespin. 2,494,613, Jan. 17.

Gordos, Minnie B.: *See*—
Gordos, Arpad J. and M. B.

Goughnour, Walter B., Seattle, Wash. Lock. 2,494,754, Jan. 17.

Graflex, Inc., assignee: *See*—
Nadel, Louis D.

Grant, William H., Cleveland, Ohio. Apparatus for making metallic bellows. 2,495,059, Jan. 17.

Graumann, Raymond L., Alexandria, Va. Detonating fuse. 2,494,549, Jan. 17.

Graves, Mark, Cleveland, Ohio. Clutch for punch presses and the like. 2,494,702, Jan. 17.

Green, Milton R., Norwich, Conn. Adjustable guide device for flush tank ball valves. 2,494,655, Jan. 17.

Greenup, Harold W., Barrington, and W. F. Jordan, Tiverton, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Making sponge rubber from a mixture of polychloroprene and natural rubber. 2,495,097, Jan. 17.

Greiling, David J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerated merchandise display case or the like. 2,494,703, Jan. 17.

Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for sealing glass and metal members. 2,494,870, Jan. 17.

Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for bending glass tubes. 2,494,871, Jan. 17.

Greiner, Alfred, Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Method and apparatus for bending tubular glass articles. 2,494,872, Jan. 17.

Grimaldi, David, Crystal Lake, N. J. Malting plow machine. 2,495,096, Jan. 17.

Grissinger, Daniel D., Wellington, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Flasher type traffic signal. 2,495,098, Jan. 17.

Grote, Henry W., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for fluidized catalyst regeneration. 2,494,614, Jan. 17.

Groupement Francais pour le Developpement des Recherches Aeronautiques, assignee: *See*—
Idrac, Jean.

Grover, Lyndon V., Los Angeles, Calif. Quick disconnect socket. 2,494,755, Jan. 17.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Balance assembly for propeller blades. 2,494,756, Jan. 17.

Grunicke, Frederick M., Maspeth, and J. H. Rauschenbach, New York, N. Y. Multicontrol for mechanical musical instruments or the like. 2,494,656, Jan. 17.

Gulf Oil Corporation, assignee: *See*—
Bonnell, William S.

Guller, Harold, Richmond Heights, assignor to Essex Manufacturing Company, St. Louis, Mo. Potentiometer. 2,494,998, Jan. 17.

Guthe, Olof D. M., Scarsdale, N. Y., and O. A. Shann, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microphone with fuse. 2,494,704, Jan. 17.

Haantjes, Johan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifier coupling network. 2,494,657, Jan. 17.

Haas, Frank J., Bayside, assignor to R. Goetz, Lynbrook, doing business as Boxart Machine Company, Brooklyn, N. Y. Taping machine. 2,495,003, Jan. 17.

Haeberlin, George, Richmond, Va., assignor to Richmond Piece Dye Works, Inc. Decating machine. 2,494,807, Jan. 17.

Haeberlin, George, Richmond, Va., assignor to Richmond Piece Dye Works, Inc. Decating machine and method. 2,494,808, Jan. 17.

Halkins, James A., Bethlehem, Pa., assignor to The Waylite Company. Apparatus for producing granulated slag. 2,494,999, Jan. 17.

Hall, Helen D., assignee: *See*—
Hall, Willard C.

Hall Laboratories, Inc., assignee: *See*—
Munter, Casimir J.

Hall, Willard C., assignor to H. D. and W. C. Hall, copartners doing business as Electronic Enterprises, Los Angeles, Calif. Remote-control unit. 2,494,873, Jan. 17.

Hamilton, Matthew E., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Hammer mill rotor structure. 2,494,705, Jan. 17.

Hamlin, Henry F.: *See*—
Armstrong, Francis J., and Hamlin.

Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Refined rosin products and processes. 2,494,550, Jan. 17.

Handwerk, Erwin C.: *See*—
Mahler, George T., and Handwerk.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc condenser. 2,494,551, Jan. 17.

Hanford, William E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of azo dyestuff images from n-acyl-n-aryl hydrazine developers. 2,495,000, Jan. 17.

Hanna, Merrill O., East Malvern, Victoria, Australia. Upsetting of metal rods or bars. 2,495,060, Jan. 17.

Hansel, Paul G., Red Bank, N. J. Direction finding system. 2,494,553, Jan. 17.

Hansen Manufacturing Company, assignee: *See*—
Hush, James M., and Bench.

Hansen, Peter F., Independence, Iowa. Tractor hitch. 2,494,757, Jan. 17.

Hanson, Charles S., Roseland, N. J. Photographic print paper holder. 2,495,061, Jan. 17.

Hanson, Earl P.: *See*—
Woodbury, Robert L., and Hanson.

Happel, Albert W., deceased, late of Anderson, by H. Happel, executrix, assignor to Lynch Corporation, Anderson, Ind. Unidirectional dual selective drive for dual table glass machine. 2,494,706, Jan. 17.

Happel, Hedwig, executrix: *See*—
Happel, Albert W., deceased.

Hara, Toyoyori, Chicago, Ill. Preserving rice. 2,495,001, Jan. 17.

Harlow, Earl V., Beaver, assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas composition revision. 2,494,554, Jan. 17.

Harrison, James: *See*—
Lax, Walter L., and Harrison.

Harrison, Staunton R., and R. M. Hill, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Cacao butter in butyl rubber heavily loaded with black. 2,495,099, Jan. 17.

Hart, Edward L., Abington, assignor to Philco Corporation, Philadelphia, Pa. Air conditioning apparatus. 2,495,002, Jan. 17.

Hartford National Bank and Trust Company, assignee: *See*—
Alma, Gerrit H. P.
Aninga, Johannes B., and Tenger.
Haantjes, Johan.
Mulder, Johannes G. W.
Van Loon, Carel J., and Beukema.

Hartough, Howard D., Pitman, and J. J. Sardella, Woodbury, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Condensation of aldehydes with aromatics or thiophenes in the presence of glauconite. 2,494,758, Jan. 17.

Hauck, Henry J., Schenectady, N. Y. Rack and gear actuated screw cap remover. 2,495,004, Jan. 17.

Hayes, Thomas E., Washington, D. C. Switch arrangement for money counting machines. 2,494,615, Jan. 17.

Helfenstein, Leonard, assignee: *See*—
Rodin, Robert.

Henderson, Albert, assignor, by mesne assignments, to The Cementone Corporation, Pittsburgh, Pa. Apparatus for making precast concrete units. 2,495,100, Jan. 17.

Henderson, Roy A., West Collingswood, N. J., assignor to Radio Corporation of America. Electrical capacitor. 2,495,062, Jan. 17.

Henning, Larry M., Riverside, Calif. Poultry watering device. 2,494,809, Jan. 17.

Hensel, Fred, Los Angeles, Calif. Electric can opener. 2,494,616, Jan. 17.

Hermes, Ronald: *See*—
Frost, Jack, and Hermes.

Hesch, Frederick H.: *See*—
Mason, James F., and Hesch.

Hess, Alexander McD., New York, N. Y. Vanity table drape. 2,494,874, Jan. 17.

Hester, William F.: *See*—
Craig, W. E., and Hester.

Hewes, Ralph W.: *See*—
Field, Oscar S., Wight, and Hewes.

Hieber, George E., assignor to Landis Machine Company, Waynesboro, Pa. Centerless grinding machine. 2,494,555, Jan. 17.

Highberg, Axel L., West Hartford, and P. P. Newcomb, Manchester, Conn., and C. R. Soderberg, Weston, Mass., assignors to United Aircraft Corporation, East Hartford, Conn. Blade mounting. 2,494,658, Jan. 17.

Hill, George B., Cheltenham, England. Sidecar for bicycles. 2,494,707, Jan. 17.

Hill, Robert M.: *See*—
Harrison, Staunton R., and Hill.

Hinde, Robert M.: *See*—
Forrester, William F., Hinde, and Szigeti.

Hirsch, Edgar M., New York, N. Y. Hidden container lock. 2,494,942, Jan. 17.

Hirschy, Charles, assignor to Advance Metal Products Company, Los Angeles, Calif. Cord lock. 2,494,759, Jan. 17.

Hirt, Rudolf, Muri, near Berne, assignor to Dr. A. Wander A. G., Berne, Switzerland. Di-n-butylamino malonic acid-ethyl-diethylaminoethyl ester. 2,494,875, Jan. 17.

Hitt, Ira V.: *See*—
Conaway, Kollin F., and Hitt.

Hobday, Cyril, Otley, and F. L. Goodall, Burley-in-Wharfedale, assignors to The Geigy Company Limited, Manchester, England. Pigment emulsions and the manufacture thereof. 2,494,810, Jan. 17.

Hoff, Carlton L., York, Pa. Motor vehicle drive. 2,495,101, Jan. 17.

Hogan, Rose, San Francisco, Calif. One-piece foot covering. 2,494,617, Jan. 17.

Hoglin, Irving M., Denver, Colo. Method of and apparatus for making soap cakes. 2,495,005, Jan. 17.

Holbro, Theodor, Basel, P. Sutter, Binningen, and W. Kern, Sissach, Switzerland, assignors to Ciba Limited. Benzanthrone dicarboxylic acid compounds. 2,494,811, Jan. 17.

Holifield, William F., Amarillo, Tex. Cooking utensil. 2,494,812, Jan. 17.

Holmes, Frank G., Philadelphia, Pa. Automatic telephone ejector. 2,495,006, Jan. 17.

Hood, Donald R. and S. R., Detroit, Mich., assignors, by mesne assignments, to Chicago Development Company, Chicago, Ill. Heat-treatment of copper-nickel-manganese alloys. 2,495,063, Jan. 17.

Hood, Stanley R.: *See*—
Hood, Donald R. and S. R.

Hook, Christopher, Cowes, Isle of Wight. Photoelectrically operated organ. 2,494,943, Jan. 17.

Hoover Company, The, assignee: *See*—
Acheson, Louis K.
Coons, Curtis C.
Kirkpatrick, William T.

Hopkins, Cyril J.: *See*—
Smith, Arthur R., Lee, and Hopkins.

Hornaday, George F., Woodbury, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Treating clay catalysts used for conversion of sulfur containing feeds. 2,494,556, Jan. 17.

Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Antihunt electrical measuring system. 2,494,876, Jan. 17.

Horstman, Clifford C., and J. H. Bramble, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wound core. 2,495,167, Jan. 17.

Horvath, Joseph S., assignor to The Plastic Mold Die & Tool, Inc., Bridgeport, Conn. Mold with tungsten carbide insert. 2,495,064, Jan. 17.

Hotzler, Otto E., and W. E. Schultz, Mountain Lake, Minn. Signal-equipped container. 2,494,944, Jan. 17.

Houdry Process Corporation, assignee: *See*—
Hornaday, George F.
Shabaker, Hubert A.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Channel unit for multiplex systems. 2,495,168, Jan. 17.

Howard, Le Roy, Beverly, assignor to Parker Brothers, Inc., Salem, Mass. Board game apparatus. 2,495,007, Jan. 17.

Huff, Howard W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for molding tire flaps. 2,495,102, Jan. 17.

Hughes, Robert, Shaker Heights, Ohio. Toilet seat structure. 2,494,813, Jan. 17.

Hull, Samuel P., Wilton, Conn. Vise support having universal joint locked by pair of nut-actuated wedges. 2,495,065, Jan. 17.

Huntington, Nathaniel R., Hilts, Calif. Vehicle drive. 2,494,945, Jan. 17.

Huppert, William, New York, N. Y. Anchoring device. 2,495,103, Jan. 17.

Huppert, William, New York, N. Y. Anchoring device. 2,495,104, Jan. 17.

Hush, James M., and D. E. Bench, Dayton, Ohio, assignors to Hansen Manufacturing Company, Princeton, Ind. Vibrator type motor. 2,494,760, Jan. 17.

Huston, William M., Lima, Ohio. Operating machinery for load handling equipment. 2,494,618, Jan. 17.

Huth, Carl M., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Strain relief. 2,494,814, Jan. 17.

Huyton, Alfred, assignor to Joseph Lucas Limited, Birmingham, England. Pipe joint. 2,494,659, Jan. 17.

Idrac, Jean, assignor to Groupement Français pour le Developpement des Recherches Aeronautiques, Paris, France. Icing indicator. 2,494,877, Jan. 17.

Imperial Chemical Industries Limited, assignee: *See*—
Foster, Reginald T.

Independent Pneumatic Tool Company, assignee: *See*—
Jursinovic, John J.

Induction Heating Corp., assignee: *See*—
McMahon, Everett K., and Schutz.

Ingram, Glen E., Sioux Rapids, Iowa. Tractor mounted side delivery rake. 2,494,946, Jan. 17.

Ingrassia, Angelo P.: *See*—
Evans, Raymond N., and Ingrassia.

Inland Container Corporation, assignee: *See*—
Thursby, Arthur H.

International Engineering, Inc., assignee: *See*—
McElroy, Roy H.

Irick, Haden R., Phoenix, Ariz. Adjustable ellipse compass. 2,494,557, Jan. 17.

Irwin, Rufus W., Brownsville, Tex. Speed-changing geared transmission for bicycles and other wheeled vehicles. 2,494,558, Jan. 17.

Jackson, Henry J., assignee: *See*—
Spengler, Henry.

Jackson, John G., and R. H. Kingdon, assignors to Square D. Company, Detroit, Mich. Thermal-magnetic circuit breaker. 2,494,761, Jan. 17.

Jacquet, Jean F. A., Brussels, Belgium. Installation for the continuous casting of ingots. 2,494,619, Jan. 17.

Jadoul, Edmond L. J., Brussels, Belgium. Elastic guide for the suspension shaft of the bowl of a cream separator. 2,494,815, Jan. 17.

Jasco, Incorporated, assignee: *See*—
Lightbown, Irving E., Sparks, and Thomas.

Jefferson Standard Broadcasting Company, assignee: *See*—
Norde, Leslie.

Jenkins, Henry G.: *See*—
Breadner, Robert L., Jenkins, and Simms.

Jennings, Lawrence D., and J. Naymik, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive shaft. 2,495,169, Jan. 17.

Jensen, Jens A., and C. A. Russell, Seattle, Wash. Saw set. 2,494,762, Jan. 17.

Jensen, Ole W. Skollerudveien Pr. Sandvika, Norway. Adjustable ski stick. 2,494,878, Jan. 17.

Jesseph, Donald C., Los Angeles, Calif. Stable bituminous emulsion and preparation thereof. 2,494,708, Jan. 17.

Jet Shaft Seals, Inc., assignee: *See*—
Summers, Orran B.

Johnson, Karl M.: *See*—
Luton, Dempsey A., and Johnson.

Johnson, Worth J., Detroit, Mich. Fish lure. 2,494,620, Jan. 17.

Jones, Clarence R., Dayton, Ohio. Collapsible boat. 2,494,763, Jan. 17.

Jones, Harry S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Pressure-responsive variable resistance device. 2,494,621, Jan. 17.

Jones, Hilton I., Wilmette, Ill., assignor to The Munising Paper Company, Munising, Mich. Dusting and polishing paper. 2,495,066, Jan. 17.

Jordan, Wilbur F.: *See*—
Greenup, Harold W., and Jordan.

Journel, Jacques, Paris, France. Apparatus for projecting sunlight onto public exhibits and advertising subjects. 2,494,879, Jan. 17.

Jubanowsky, Louis J., Vaux Hall, assignor to The Baker Castor Oil Company, Jersey City, N. J. Coating and impregnating composition. 2,494,559, Jan. 17.

Jursinovic, John J., assignor to Independent Pneumatic Tool Company, Aurora, Ill. Control mechanism for chucks. 2,494,764, Jan. 17.

Kaplan, William, Brooklyn, assignor to Sun Chemical Corporation, New York, N. Y. Production of derivatives of oleonitrile having surface active properties. 2,495,105, Jan. 17.

Kathe, Leo, Cleveland, Ohio. Thermostatically controlled safety pilot burner and switch device for burner systems. 2,494,660, Jan. 17.

Kaufman, Seymour: *See*—
Afton, Leonard N., and Kaufman.

Kaupp, Henry, Glendale, assignor to The Roberts Numbering Machine Co., Inc., Brooklyn, N. Y. Glow switch. 2,494,560, Jan. 17.

Keagle, Stanley E., Minneapolis, Minn. Nest construction. 2,494,709, Jan. 17.

Keaton, Clark M., assignor to American-Marietta Company, Seattle, Wash. Adhesive tape. 2,495,008, Jan. 17.

Kelco Company, assignee: *See*—
Steiner, Arnold B., and McNeely.

Kelley, Everett J., Croyden, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Allyl beta-alloxypropionate. 2,494,880, Jan. 17.

Kellogg Switchboard and Supply Company, assignee: *See*—
Erickson, Clifford E.
Wallace, Bert A.

Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Combination process for the hydrogenation of carbon monoxide and the production of ammonia. 2,494,561, Jan. 17.

Kennelly, Jeremiah D., assignee: *See*—
Ganzert, Albert E.

Kern, Walter: *See*—
Holbro, Theodor, Sutter, and Kern.

Kes, William, Bronx, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Locking bracket. 2,495,106, Jan. 17.

Kessenich, Gregory J., Madison, Wis. Rocket projectile. 2,494,562, Jan. 17.

Keuffel & Esser Company, assignee: *See*—
Klenast, John F.

Klenast, John F., River Edge, assignor to Keuffel & Esser Company, Hoboken, N. J. Chemical erasing of photographic silver images. 2,494,765, Jan. 17.

Klessling, Max, assignor to The American Fastener Company, Waterbury, Conn. Tool for attaching tangs to belts. 2,495,009, Jan. 17.

Kingdon, Ralph H.: *See*—
Jackson, John G., and Kingdon.

Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Microwave heating of dielectric materials. 2,495,170, Jan. 17.

Kirk, William, Jr., C. Hundred, R. S. Schreiber, Wilmington, and G. M. Whitman, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bis(4-aminocyclohexyl) methane. 2,494,563, Jan. 17.

Kirkpatrick, William T., North Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio. Insulation liner for motor core slots. 2,495,010, Jan. 17.

Kirsch Company, assignee: *See*—
Ford, Ledger D., and Stutz.

Kling, Fred E., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Hot-blast stove. 2,494,816, Jan. 17.

Klug, Charles W.: *See*—
Fagen, William F., Klug, and Allen.

Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for abrading shoe parts. 2,494,710, Jan. 17.

Koenig, Arthur C., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Roll grooving apparatus. 2,495,107, Jan. 17.

Kohl, Charles F., Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Bromination of trifluoromethyl derivatives of benzene. 2,494,817, Jan. 17.

Koontz, Philip G.: *See*—
Anderson, Herbert L., and Koontz.

Koppers Company, Inc., assignee: *See*—
Harlow, Earl Y.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Aryl phosphates of polyvinyl alcohol. 2,495,108, Jan. 17.

Kost, Harold W., Birmingham, Mich., assignor, by mesne assignments, to Prestole Corporation, Toledo, Ohio. Fastening device for condensers or the like. 2,404,881, Jan. 17.

Kost, Harold W., Birmingham, Mich., assignor, by mesne assignments, to Prestole Corporation, Toledo, Ohio. Sheet metal nut. 2,494,882, Jan. 17.

Kraft Foods Company, assignee: *See*—
Stine, James B.

Kramer, Ferdinand, Port Chester, N. Y. Adjustable display rack. 2,495,109, Jan. 17.

Kristek, Emanuel, Hustenovice, assignor to Bata, Narodni Podnik, Zlin, Czechoslovakia. Expansible rimmed abrading wheel. 2,494,818, Jan. 17.

Kröger, Ferdinand A., and J. Voogd, Eindhoven, Netherlands, assignors to General Electric Company. Cascaded fluorescent material. 2,494,883, Jan. 17.

Krupp, Carroll P.: *See*—
Legullon, Charles W., and Krupp.

Kuellmar, Adolph G., assignor to Union Asbestos & Rubber Co., Chicago, Ill. Power take-off device. 2,495,011, Jan. 17.

Kugler, Warren E., Minneapolis, Minn. Handkerchief holder. 2,495,012, Jan. 17.

Kuhn, Max O., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Container for milk and the like. 2,495,110, Jan. 17.

Kulka, Eugene R., Mount Vernon, N. Y. Holder for gaseous discharge lamps. 2,495,196, Jan. 17.

Kusher, Hyman, New York, and E. Weimann, Jamaica, N. Y. Garment hanger. 2,494,711, Jan. 17.

Kushner, Samuel: *See*—
Cook, Elmer W., and Kushner.

Kuttner, Julius, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine manifold construction. 2,494,947, Jan. 17.

L. G. S. Spring Clutch Corporation, assignee: *See*—
Gleeson, William W.
Nance, Keith L., and Chance.
Pepper, Carl P.

Laboratoires Medial S. A., assignee: *See*—
Cohen, Heinrich.

Ladd, Horace F.: *See*—
Christian, Moss B., and Ladd.

La Hue, Philip M., Denver, Colo., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitor firing circuit. 2,495,171, Jan. 17.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Contact arm for self-resetting magnetic contact relays. 2,494,622, Jan. 17.

Lambert, Parley F., Arlington, Va. Ammunition packing device. 2,494,564, Jan. 17.

La Montagne, Arthur G., Sutter, Calif. Artificial fish lure. 2,494,948, Jan. 17.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,495,111, Jan. 17.

Landis Machine Company, assignee: *See*—
Hieber, George E.

Landt, Newton A., Wisconsin Dells, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 2,494,623, Jan. 17.

Lane, Thomas L., Three Forks, Mont. Material responsive switch actuator. 2,494,819, Jan. 17.

Langdahl, Bernard A., Duluth, Minn. Tension frame. 2,494,949, Jan. 17.

Lassmann, Clyde V., and N. Naidenoff, assignors to Beech Aircraft Corporation, Wichita, Kans. Combined fuel pump, selector valve, and strainer. 2,494,884, Jan. 17.

Latour, André, Grenoble, France. Gas blast circuit breaker. 2,494,661, Jan. 17.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stop motion for knitting machines. 2,495,067, Jan. 17.

Lax, Walter L., and J. Harrison, South Farnborough, England. Bomb and other stores containers for dropping from aircraft. 2,494,885, Jan. 17.

Leaman, John: *See*—
Wald, Morton, Brooks, and Leaman.

Leape, Charles B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic wire enamels and conductors insulated therewith. 2,495,172, Jan. 17.

Leape, Charles B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Non-crystalline synthetic resin holder. 2,495,173, Jan. 17.

Lee, Elmer S., Woodbine, Iowa. Gravity feed animal feeder. 2,494,950, Jan. 17.

Lee, George A.: *See*—
Smith, Arthur R., Lee, and Hopkins.

Leguillon, Charles W., Akron, and C. P. Krupp, Barberton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Therapeutic bag with sealing closure. 2,495,114, Jan. 17.

Lehane, Timothy J., Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Automatic temperature control apparatus. 2,494,624, Jan. 17.

Leif, Max, Brooklyn, N. Y. Combination cigarette lighter and flashlight. 2,494,886, Jan. 17.

Lenhart, Herbert S., Allentown, assignor to Fuller Company, Catasauqua, Pa. Seal for conveying apparatus. 2,494,887, Jan. 17.

Les Laboratoires Francais de Clumiotherapie, assignee: *See*—
Vellnz, Leon, and Rousseau.

Le Vesconte, Harold J., Glendale, Calif., A. M. Schweda, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,494,888, Jan. 17.

Lewis, Arthur J., H. A. Moser, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Paint compositions from catalytically conjugated oils. 2,494,565, Jan. 17.

Leyenaar, Jan, Lexington, assignor to J. H. Emerson Company, Cambridge, Mass. Lung immobilizer. 2,494,712, Jan. 17.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Case, John C., and Meyer.

Lightbown, Irving E., Westfield, N. J., and W. J. Sparks and R. M. Thomas, Baton Rouge, La., assignors, by mesne assignments, to Jasco, Incorporated. Milling isobutylene-multiolefin copolymer synthetic rubber prior to curing. 2,494,766, Jan. 17.

Lima-Hamilton Corporation, assignee: *See*— Mueller, George A., Jr.

Lind, Henning, Osage City, Kans. Power lawn mower. 2,494,662, Jan. 17.

Linde Air Products Company, The, assignee: *See*— Lobosco, Roscoe R.

Linderman, Garrett B., III, U. S. N. Apparatus for producing artificial radio direction signals. 2,494,566, Jan. 17.

Lindquist, Curt A. J., assignor to Svenska Rayon Aktiebolaget, Norrkoping, Sweden. Manufacturing regenerated cellulose webs. 2,494,951, Jan. 17.

Lindsay, Edwin H., Waukesha, assignor to A. O. Smith Corporation, Milwaukee, Wis. Removable vertical tube evaporator. 2,494,767, Jan. 17.

Lines, Arthur E., Farmersville Station, N. Y. Trap setting device. 2,494,567, Jan. 17.

Link, John H., Merion Station, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,494,768, Jan. 17.

Lion, Yervant, Fresno, Calif. Irrigation ditch forming machine. 2,494,820, Jan. 17.

Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Self-synchronous cutting machine. 2,494,663, Jan. 17.

Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Supporting the nozzles of the combustion chambers of internal-combustion turbines. 2,494,821, Jan. 17.

Longenecker, Levi S., Mount Lebanon, Pa. Furnace door operating mechanism. 2,494,713, Jan. 17.

Lubow, Morris, Long Beach, assignor to Wolf X-Ray Products, Inc., New York, N. Y. X-ray protective apron. 2,494,664, Jan. 17.

Lucas, Joseph, Limited, assignee: *See*— Huyton, Alfred.

Lundgren, William E., Sharon, Mass., assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Counterbalance for slip roll formers. 2,495,068, Jan. 17.

Lundy, Clarence C., Bayonne, N. J., assignor to The Sperry Corporation. Modulated ultra high frequency signal generator. 2,494,568, Jan. 17.

Luton, Dempsey A., and K. M. Johnson, Jackson, Wyo. Fishing reel. 2,494,952, Jan. 17.

Lyman, Wallace R., Chicopee Falls, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil burner apparatus, including an automatic delay action fuel valve. 2,494,714, Jan. 17.

Lynch Corporation, assignee: *See*— Happel, Albert W.

Mabey, Charles A., Woodbury, assignor to The Bristol Company, Waterbury, Conn., Wet bulb thermometer. 2,494,769, Jan. 17.

MacKenzie, Kenneth W., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,494,822, Jan. 17.

MacLaughlin, Robert E., Rochester, N. H. Footwear and novel closure therefor. 2,494,770, Jan. 17.

Madsen, Howard, San Francisco, Calif. Lifting device for pallets or the like. 2,494,823, Jan. 17.

Maggs, Charles: *See*— Ekstrand, Sture O., Maggs, and Ronci.

Mahler, George T.: *See*— Handwerk, Erwin C., and Mahler.

Mahler, George T., Palmerton, and E. C. Handwerk, Lehighton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,494,552, Jan. 17.

Maillard, Bernard, assignor to "Brevets Aero-Mecaniques" S. A., Geneva, Switzerland. Gas piston operated firearm. 2,494,889, Jan. 17.

Makower, Benjamin: *See*— Burr, Horace K., and Makower.

Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Internal-combustion engine. 2,494,890, Jan. 17.

Mallory Research Company, The, assignee: *See*— Mallory, Marion.

Manville, George D.: *See*— White, John, and Manville.

Marconi's Wireless Telegraph Company Limited, assignee: *See*— Poulter, Thomas G.

Markley, Max C., St. Paul, assignor to Cargill, Incorporated, Minneapolis, Minn. Phosphatide composition and shortening and making same. 2,494,771, Jan. 17.

Marshall, Donald E., Summit, N. J., assignor by order of court to Colgate-Palmolive-Peet Company. Process and apparatus for making floating soap. 2,494,891, Jan. 17.

Marshall, James R., Englewood, assignor to Dielectric Products Company, Inc., Jersey City, N. J. Dipole antenna construction. 2,494,665, Jan. 17.

Martin, Denzil O., Banning, assignor, by mesne assignments, to Robertson Engineering Corporation, San Francisco, Calif. Moving bulk materials. 2,494,953, Jan. 17.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Airfoil heating means. 2,494,625, Jan. 17.

Martin, Frank V., Atlantic City, N. J. Fabric nicking device. 2,494,824, Jan. 17.

Martin, Glenn L., Company, The, assignee: *See*— Mellodge, Charles J.

Martin, Henry G., Buenos Aires, Argentina, assignor, by mesne assignments, to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,495,013, Jan. 17.

Mason, James F., and F. H. Hesch, Glen Cove, N. Y., assignors to Reynolds Metals Company, Richmond, Va. Apparatus for continuous anodizing of sheet metal. 2,494,954, Jan. 17.

Masonite Corporation, assignee: *See*— Evans, Raymond N., and Ingrassia.

Mathews, Donald E., Rockford, Ill. Sine bar. 2,494,715, Jan. 17.

Mathieson Chemical Corporation, assignee: *See*— Vincent, George P., and Dubeau.

Max, Fritz, Easton, Pa., and D. I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone thioxanthone dicarbazoles. 2,495,014, Jan. 17.

May & Baker Limited, assignee: *See*— Barber, Harry J.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for cooking ranges. 2,494,892, Jan. 17.

Mayer, Erwin, Corona, and J. F. Coles, Valley Stream, N. Y., assignors to Neptune Meter Company. Resettable register. 2,494,955, Jan. 17.

Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Keyed oscillator circuit. 2,495,115, Jan. 17.

McAloon, Francis R.: *See*— Patterson, Everett M., and McAloon.

McCann, Michael, Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Article attaching machine. 2,495,069, Jan. 17.

McClain, Waite, Canton, Ohio. Trolling attachment for motorboats. 2,495,116, Jan. 17.

McClatchie, John D., Middletown, N. Y. Labeling machine. 2,495,174, Jan. 17.

McCollister, William H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Fluid pressure actuated tire bead breaking lever. 2,495,117, Jan. 17.

McCollister, William H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Central screw operated multiple arm tire removing apparatus. 2,495,118, Jan. 17.

McCray Refrigerator Company, assignee: *See*— Greilling, David J.

McDevitt, James E., New York, N. Y. Forming golf club grips. 2,495,119, Jan. 17.

McElroy, Roy H., assignor to International Engineering, Inc., Dayton, Ohio. Duct booster. 2,494,772, Jan. 17.

McGrath, James R., Wildwood, N. J. Rotary receptacle closure. 2,495,015, Jan. 17.

McMahon, Everett K., South Norwalk, Conn., and P. W. Schultz, Leonia, N. J., assignors to Induction Heating Corp., New York, N. Y. Method and apparatus for treating materials dielectrically. 2,494,716, Jan. 17.

McMaster, Edward, Sandwich, Ill. Crankshaft balancer. 2,494,569, Jan. 17.

McMullen, Cletus C., Havertown, assignor to Beaumont Birch Company, Philadelphia, Pa. Drag scraper equipment. 2,495,197, Jan. 17.

McNeely, Lowell, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,494,978, Jan. 17.

McNeely, William H.: *See*— Steiner, Arnold B., and McNeely.

McQuay-Norris Manufacturing Company, assignee: *See*— Mummer, Arden J.

Mead, William H., Oakland, and A. C. Buchan, San Francisco, Calif., assignors, by mesne assignments, to said Mead. Surface treating apparatus. 2,494,773, Jan. 17.

Mecklenburg, Edmund R., assignee: *See*— Bradley, Robert J.

Medvets, Edward, Carteret, assignor to Breeze Corporations, Inc., Newark, N. J. Ignition shield disconnect. 2,494,666, Jan. 17.

Melin, William, Grand Rapids, Mich. Rotary cutting tool grinding machine. 2,494,825, Jan. 17.

Mellodge, Charles J., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Fastener handling device. 2,495,070, Jan. 17.

Mendelsohn, Samuel, Montclair, N. J. Removable battery case. 2,494,956, Jan. 17.

Merck & Co., Inc., assignee: *See*— Owen, John T.

Mesick, Albert W., Brooklyn, N. Y. Self-locking and unlocking differential gear system. 2,495,016, Jan. 17.

Messick, Harry M., Springfield, Ohio. Hose coupling. 2,494,774, Jan. 17.

Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sealing means for rotary intaglio printing press ink fountains. 2,495,017, Jan. 17.

Meyer, Leonard S.: *See*— Case, John C., and Meyer.

Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rotary burner with interrupted annular finned cover plate. 2,494,893, Jan. 17.

Meager, George R., U. S. Navy. Electrical transducer. 2,494,570, Jan. 17.

Milburn, Robert T., New Orleans, La. Trigger pull tester. 2,494,571, Jan. 17.

Miller, Alvin D., Cuyahoga Falls, Ohio, and R. F. O'Connell, St. Louis, Mo., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Treating synthetic rubber coagulant effluent to recover aluminum salts. 2,495,120, Jan. 17.

Miller, John H., Baltimore, Md. Table crumber. 2,494,572, Jan. 17.

Miller, Ralph L.: *See*— Cox, John H., and Miller.

Mills, Victor, assignor to The Proctor & Gamble Company, Cincinnati, Ohio. Production of glycerin and distilled fatty acids. 2,495,071, Jan. 17.

Milprint, Inc., assignee: *See*— Rosen, Shy.

Miner, W. H., Inc., assignee: *See*— Link, John H.

Minneapolis-Honeywell Regulator Company, assignee: *See*— Berkholder, George H.

Mitchell, Robert, Co. Limited, The, assignee: *See*— Snowball, Robert.

Moe, J. Edgar, assignor to The Bullard Clark Company, Danielson, Conn. Cushion lug strap. 2,495,198, Jan. 17.

Molloy, Everett W., Pasadena, assignor to National Technical Laboratories, South Pasadena, Calif. Vacuum tube circuit. 2,495,072, Jan. 17.

Monaghan, James, Bournemouth West, England. Sanitation device. 2,494,894, Jan. 17.

Monsanto Chemical Company, assignee: *See*— Kosolapoff, Gennady M.

Moomaw, Lewis H., Great Neck, assignor to De Jur-Amsco Corporation, Long Island City, N. Y. Hinged aperture gate. 2,495,018, Jan. 17.

Moore, Ralph N., Manly, Iowa. Festooning machine. 2,494,667, Jan. 17.

Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Arc electrode support. 2,494,775, Jan. 17.

Moore, William H., Buffalo, N. Y. Vegetable cutter. 2,495,121, Jan. 17.

Morgan, Woods, Charlotte, N. C. Neck rest for shampooing. 2,494,957, Jan. 17.

Morley, Charles E., Detroit, Mich. Fastening device. 2,495,123, Jan. 17.

Morner, Hans G., New York, N. Y. Upholstery unit. 2,495,124, Jan. 17.

Morris, William P., Lovington, N. Mex. Well drilling guide tool. 2,495,073, Jan. 17.

Morrison, Montford, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y. Method of and apparatus for energizing self-rectifying loading devices. 2,495,122, Jan. 17.

Moser, Helen A.: *See*— Lewis, Arthur J. Moser and Cowan.

Moss, Arthur L. C., and R. H. Goldsmith, New York, N. Y. Extensible cigarette. 2,494,776, Jan. 17.

Mossey, Joseph L., assignor to Bendix Aviation Corporation, South Bend Ind. Fluid pressure brake mounting. 2,495,074, Jan. 17.

Mueller, George A., Jr., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Free piston compressor and control therefor. 2,494,573, Jan. 17.

Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with protected electric inlet. 2,494,895, Jan. 17.

Mulder, Rudolf, Haarlem, Netherlands. Coupling for pipes, piles, and like elements. 2,494,826, Jan. 17.

Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Switching device. 2,495,075, Jan. 17.

Mummert, Arden J., University City, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston expander. 2,494,896, Jan. 17.

Munising Paper Company, The, assignee: *See*— Jones, Hilton I.

Munter, Casimir J., Upper St. Clair Township, Allegheny County, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Abrasive detergent compositions. 2,494,827, Jan. 17.

Munter, Casimir J., Upper St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc. Glassy phosphate powder composition and making the same. 2,494,828, Jan. 17.

Murphy, James F., Philadelphia, Pa. Coupling device. 2,494,574, Jan. 17.

Musselman, Alvin J., Santa Barbara, Calif. Method and apparatus for treading tires. 2,494,958, Jan. 17.

Myers, John R., New York, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus for interlocked home signals. 2,494,959, Jan. 17.

Nadel, Louis D., assignor to Graflex, Inc., Rochester, N. Y. Roll film camera having differential means for operating pressure pads. 2,495,019, Jan. 17.

Nagel, Fritz J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polybydroxybenzene-formaldehyde adhesive and preparing and employing same. 2,495,175, Jan. 17.

Naidenoff, Noel: *See*— Lasamann, Clyde V., and Naidenoff.

Nance, Keith L., and L. R. Chance, assignors to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Separation of cylinders from spheres. 2,494,939, Jan. 17.

National Cash Register Company, The, assignee: *See*— Mumma, Robert E.

National Pressure Cooker Company, assignee: *See*— Buske, Gilbert E.

National Technical Laboratories, assignee: *See*— Molloy, Everett W.

National City Bank, The, administrator: *See*— Thomas, Albert R., and Edberg.

Navy, United States of America as represented by the Secretary of, assignee: *See*— Sebring, Paul B., and Brooks.

Naymik, Joseph: *See*— Jennings, Lawrence D., and Naymik.

Neher, Harry T.: *See*— Kelley, Everett J., and Neher.

Nelson, Arthur Wm., assignee: *See*— Protzeller, Harry W.

Nemeth, Otto R., Chicago, Ill. Wire recorder turret. 2,495,125, Jan. 17.

Neptune Meter Company, assignee: *See*— Mayer, Erwin and Coles.

Newcomb, Philip P.: *See*— Highberg, Axel L., Newcomb, and Soderberg.

Newell, Isaac L.: *See*— Dissel, Theordore A., and Newell.

New Jersey Zinc Company, The, assignee: *See*— Handwerk, Edwin C., and Mahler. Mahler, George T., and Handwerk.

New Wrinkle, Inc., assignee: *See*— Waldle, William A.

New York Air Brake Company, The, assignee: *See*— Whitney, Clark Baynham.

Niagara Alkali Company, assignee: *See*— Casciani, Ferri, and Storin.

Nickerson, Ford L., Gilboa, N. Y. Paddle mounting for reciprocating gutter hoe-type conveyers. 2,494,626, Jan. 17.

Nichols, Frederick S., Melrose, Mass. Ruffle curtain. 2,494,668, Jan. 17.

Nicolaisen, Reidar J., New York, N. Y., assignor to Air Reduction Company, Incorporated. Apparatus for scarfing billets and the like. 2,494,627, Jan. 17.

Nik-O-Lok Company, The, assignee: *See*— Dobkin, William J.

Nissen, Hans G., New York, N. Y., assignor, by mesne assignments, to Zip-Clip Zipper Corp. Reversible slider for slide fasteners. 2,495,176, Jan. 17.

Nodine, Frederick A., Terryville, assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn. Fastener. 2,494,669, Jan. 17.

Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp holder. 2,494,897, Jan. 17.

Norde, Leslie, Hempstead, N. Y., assignor, by mesne assignments, to Jefferson Standard Broadcasting Company. High stability oscillator generator. 2,495,177, Jan. 17.

Norlin, Clarence F., Chicago, Ill. Eraser for writing instruments. 2,495,178, Jan. 17.

North & Judd Manufacturing Company, The, assignee: *See*— Sullivan, Joseph F.

Northrop Aircraft, Inc., assignee: *See*— Cerny, Walter J.

Nuodex Products Co., Inc., assignee: *See*— Goll, Milton.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Oven. 2,495,126, Jan. 17.

Oberding, Harold J., Gary, Ind., assignor to Universal Oil Products Company, Chicago, Ill. Electric moisture-temperature device. 2,494,628, Jan. 17.

O'Brien, Eugene, United States Navy. Combined permutation and auxiliary lock for safes. 2,494,575, Jan. 17.

O'Connell, Robert F.: *See*— Miller, Alvin D., and O'Connell.

Odell, William W., Washington, D. C. Process and apparatus for making combustible gas. 2,494,576, Jan. 17.

Odin Corporation, assignee: *See*— Svenson, Ernest J.

Office of Scientific Research and Development, United States of America as represented by the Director of, assignee: *See*— Schlesinger, Hermann I., and Brown.

Olin Industries, Inc., assignee: *See*— Berwick, John D.

Olin, John F.: *See*— Davidson, John B., and Olin.

Oppel, John A., Upper Darby, Pa., assignor to General Electric Company. Three-stage retarded electromagnetic device. 2,495,127, Jan. 17.

Owen, John T., Bloomfield, assignor to Merck & Co., Inc., Rahway, N. J. Peanut products and preparing the same. 2,494,717, Jan. 17.

Packard Motor Car Company, assignee: *See*— Van Deventer, Ralph E.

Paden, Frederick T., Collingswood, N. J. Metal burial casket. 2,494,577, Jan. 17.

Paillard, S. A., Sainte-Croix, assignee: *See*—
Thevenaz, Jean.

Palmer, Robert P., Steubenville, Ohio. Electric arc welding. 2,494,718, Jan. 17.

Pan American Refining Corporation, assignee: *See*—
Ridgway, John A., Jr.

Panik, Joseph J., Detroit, Mich. Handcar-coaster wagon. 2,495,128, Jan. 17.

Pardee, Curtis G., Detroit, Mich. Tool. 2,494,829, Jan. 17.

Parker Brothers, Inc., assignee: *See*—
Howard, Le Roy.

Patterson, Everett M., Watertown, and F. R. McAleon, assignors to The United States Time Corporation, Waterbury, Conn. Injection mold with sprue severing means. 2,494,777, Jan. 17.

Patterson, Howard V., assignor to Aero Manufacturing Co., Kansas City, Mo. Incinerator. 2,495,076, Jan. 17.

Paul, Lewis A., assignor to Beech Aircraft Corporation, Wichita, Kans. Fountain pen. 2,495,179, Jan. 17.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of insoles. 2,494,578, Jan. 17.

Peck, Stow & Wilcox Company, The, assignee: *See*—
Lundgren, William E.

Pepper, Carl P., Plainfield, assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Motor-generator-starter drive unit. 2,494,960, Jan. 17.

Permutit Company, The, assignee: *See*—
Tiger, Howard L.

Perrine, Clarence E., and A. M. Brown, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Welding equipment. 2,495,129, Jan. 17.

Peterson, Glen, Tulsa, Okla., assignor to Phillips Petroleum Company. Modulator circuit. 2,494,830, Jan. 17.

Phelps, Willie G., Long Beach, Calif. Tire pressure switch. 2,494,831, Jan. 17.

Philco Corporation, assignee: *See*—
Bradley, William E.
Forster, William H.
Hart, Edward L.

Phillips Laboratories, Inc., assignee: *See*—
Kes, William.

Phillips, Edwin M., East Orange, N. J. Binder. 2,495,180, Jan. 17.

Phillips Petroleum Company, assignee: *See*—
Frey, Frederick E.
Meyers, Charles O.
Peterson, Glen.

Phillips, William F., Van Dyke, Mich. Aligning device for clapper boxes. 2,494,961, Jan. 17.

Pierson, Paul R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Disconnect switch. 2,495,181, Jan. 17.

Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Selector for signal seeking tuning systems. 2,495,020, Jan. 17.

Pilliner, Bernard J., Guildford, assignor to Vokes Limited, London, England. Crimping or pleating apparatus and method. 2,495,130, Jan. 17.

Pimlott, John R., Potomac, and S. E. Dawson, Fairway Hills, Md. Differential transformer pickup unit. 2,494,579, Jan. 17.

Piper, Ray W., Portland, Oreg. Tie wire twisting and tightening tool. 2,494,832, Jan. 17.

Plass, Raymond B., Berkeley, assignor to Ray Oil Burner Co., San Francisco, Calif. Shutdown system for oil burners. 2,494,778, Jan. 17.

Plastic Mold Die & Tool, Inc., The, assignee: *See*—
Horvath, Joseph S.

Plax Corporation, assignee: *See*—
Canfield, Robert W., and Woodward.

Podolsky, Leon, Pittsfield, assignor to Sprague Electric Company, North Adams, Mass. Electrical resistor and high-resistance carbon composition and resistance element therefor. 2,495,199, Jan. 17.

Polaroid Corporation, assignee: *See*—
Blake, Robert P.
Gannon, Millard T.
Land, Edwin H.
Wolff, Otto E.

Porsche, Jules D.: *See*—
Sifferd, Robert H., and Porsche.

Porter, H. K., Inc., assignee: *See*—
Geddes, John W.

Poulter, Thomas G., Chelmsford, assignor to Marconi's Wireless Telegraph Company Limited, London, England. Motor stop-start arrangement for telegraph receivers. 2,495,131, Jan. 17.

Prestole Corporation, assignee: *See*—
Kost, Harold W.

Preston, Walter C., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,494,580, Jan. 17.

Prigg, Herbert P., Miami, Fla. Child's combination car seat and swing. 2,494,581, Jan. 17.

Procter & Gamble Company, The, assignee: *See*—
Mills, Victor.
Preston, Walter C.

Prokopec, James C., assignor to Corning Glass Works, Corning, N. Y. Firing graded glass tubular seals. 2,494,582, Jan. 17.

Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,494,779, Jan. 17.

Prosser, Thomas W.: *See*—
Prosser, Joseph G. and T. W.

Protseller, Harry W., Fairmont, Minn., assignor of one-half to A. W. Nelson, Park Ridge, Ill. Apparatus for serving ice cream. 2,495,077, Jan. 17.

Pruden, Earl E., Dover, N. J. Fish lure. 2,495,021, Jan. 17.

Pulp Reproduction Company, assignee: *See*—
Risch, Arthur H.

Purcell, Arthur N., Flushing, N. Y. Wash line holder. 2,494,962, Jan. 17.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C.

Rabjohn, Lloyd E., Glendale, Calif. Beverage container and support therefor. 2,494,719, Jan. 17.

Radio Corporation of America, assignee: *See*—
Clark, John F., III.
Collins, Milford E.
Henderson, Roy A.
Houghton, William D.
Rajchman, Jan A.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Electronic discharge device. 2,494,670, Jan. 17.

Randall, David I.: *See*—
Max, Fritz, and Randall.

Randel, George V., Boise, Idaho. Cigarette ash receiver. 2,494,629, Jan. 17.

Ratchford, William P., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Pyrolysis of C-acetoxy aliphatic amides to acrylamides. 2,494,583, Jan. 17.

Rauland Corporation, The, assignee: *See*—
Szegho, Constantin S.

Rauschenback, Johannes H.: *See*—
Grunicke, Frederick M.

Ray, Charles W., Paducah, Ky. Hand grip tool for making and applying wire hose clamps. 2,494,963, Jan. 17.

Ray Oil Burner Co., assignee: *See*—
Plass, Raymond B.

Ray, William R., Los Angeles, Calif., assignor to General Controls Co. Thermoplie and pilot burner. 2,494,833, Jan. 17.

Raytheon Manufacturing Company, assignee: *See*—
MacKenzie, Kenneth W.

Rea, Charles C., Poland, Ohio. Arch type loose-leaf binder. 2,494,898, Jan. 17.

Reconstruction Finance Corporation, assignee: *See*—
Burd, Samuel I.

Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,495,182, Jan. 17.

Reinhold, Frank W.: *See*—
Stacey, Ernest W., and Reinhold.

Remco, John L., Wilkes-Barre, Pa. Sectional plate. 2,495,132, Jan. 17.

Remington Rand Inc., assignee: *See*—
Carissimi, Louis C.
Wilder, Marshall P., and Stevens.
Wolters, Carl F.

Republic Steel Corporation, assignee: *See*—
Eckman, Merll L.

Reynolds Metals Company, assignee: *See*—
Mason, James F., and Hesch.

Richards, Atherton, Luakoha, Honolulu, Territory of Hawaii, assignor to Flame Cultivation, Incorporated, New York, N. Y. Flame cultivator. 2,494,720, Jan. 17.

Richmond, Nelson R., Thompsonville, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic resetting device for governors. 2,494,630, Jan. 17.

Richmond Piece Dye Works, Inc., assignee: *See*—
Haeberlin, George.

Ridgway, John A., Jr., assignor to Pan American Refining Corporation, Texas City, Tex. Treating hydrocarbons with hydrofluoric acid. 2,495,133, Jan. 17.

Ringheim, Richard S., San Gabriel, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mounted specimen. 2,494,834, Jan. 17.

Risch, Arthur H., Wauwatosa, assignor to Pulp Reproduction Company, Milwaukee, Wis. Pulp decoy. 2,494,631, Jan. 17.

Ritter Company, Inc., assignee: *See*—
Morrison, Montford.

Robbins, James M., Ferndale, Mich. Rear window for collapsible tops for automobiles. 2,495,022, Jan. 17.

Roberts, Constance C., Mosinee, Wis. Fish lure. 2,495,134, Jan. 17.

Roberts Numbering Machine Co., Inc., The, assignee: *See*—
Kaupp, Henry.

Roberts, William L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding apparatus. 2,495,183, Jan. 17.

Robertson Engineering Corporation, assignee: *See*—
Martin, Denzil O.

Robertson, Sloan D., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron velocity variation device with noise reducing resonator. 2,494,721, Jan. 17.

Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.

Rodin, Robert, assignor of two-thirds to W. V. Rodin, and L. Heifenstein, Philadelphia, Pa. Nursing bottle holder. 2,494,632, Jan. 17.

Rodin, W. Victor, assignee: *See*—
Rodin, Robert.

Rodman, Sayre, Oakmont, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Dissolving low viscosity diolefin polymers. 2,495,135, Jan. 17.

Rohm & Haas Company, assignee: *See*—
Butterbaugh, Darrel J., and Bortnick.
Craig, W. E., and Hester.
Kelley, Everett J., and Neher.

Roland, John: *See*—
Schwitzer, Louis, and Roland.

Rolls-Royce Limited, assignee: *See*—
Lombard, Adrian A.

Rome, Leon, New York, N. Y. Waterproof ski boot. 2,494,964, Jan. 17.

Ronci, Victor L.: *See*—
Ekstrand, Sture O., Maggs, and Ronci.

Rose, Fred L., assignor to The Airolite Company, Marietta, Ohio. Ventilator. 2,494,835, Jan. 17.

Rosen, Shy, New York, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Composite commodity wrapper. 2,494,965, Jan. 17.

Rosen, Sidney, Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistive termination. 2,494,722, Jan. 17.

Rosenbaum, Gad, Detroit, Mich. Combined table and bench. 2,494,900, Jan. 17.

Ross, Thomas G., Milwaukee, Wis. Expanding mandrel. 2,494,899, Jan. 17.

Roth, Arnold P., Wickliffe, Ohio. Automobile trailer hitch. 2,495,136, Jan. 17.

Rouse, Charles R., Swissvale, Pa.; H. M. Rouse, administratrix of said C. R. Rouse, deceased. Vibratory discharger. 2,494,584, Jan. 17.

Rouse, Helen M., administratrix: *See*—
Rouse, Charles R.

Rousseau, Geneviève: *See*—
Velluz, Leon, and Rousseau.

Rowe Manufacturing Co., Inc., The, assignee: *See*—
Gabrielsen, Christian.

Rowe, William W., Cincinnati, assignor to Cincinnati Industries, Inc., Lockland, Ohio. Creping corrugated papers. 2,494,723, Jan. 17.

Rowland, George P., Jr., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Polymerization of butadiene. 2,495,137, Jan. 17.

Royle, Edwin B., assignor to The Elmco Corporation, Salt Lake City, Utah. Material handling machine. 2,495,138, Jan. 17.

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,494,901, Jan. 17.

Russell, Cecil A.: *See*—
Jensen, Jens A., and Russell.

Ruthman, Kenneth S.: *See*—
Willey, Grant S., and Ruthman.

Saint, Samuel P., Port Washington, assignor to General Railway Signal Company, Rochester, N. Y. Means for airplane approach control. 2,495,139, Jan. 17.

Sallmann, Richard, Gelterkinden, assignor to Ciba Limited, Basel, Switzerland. Water soluble sulfides containing acylated amino groups and preparing same. 2,494,966, Jan. 17.

Sams, Herbert W., Atlanta, Ga., assignor to Scripto, Inc. Mechanical pencil. 2,494,967, Jan. 17.

Samzelius, John W., Eggertsville, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush holder. 2,495,184, Jan. 17.

Sands, William H., assignor to The Gambrills Company, Inc., Gambrills, Md. Demonstration device and package. 2,495,200, Jan. 17.

Sanmori, Roger L. J.-B., Monaco, Monaco. Front and rear engine wheel drive unit for road vehicles. 2,494,902, Jan. 17.

Sardella, John J.: *See*—
Hartough, Howard D., and Sardella.

Saylor, John S., Jr., Reading, Pa., assignor to Standard Oil Development Company. Olefinic polymerization in the presence of fluorine compounds. 2,494,585, Jan. 17.

Schaevitz, Herman, Collingswood, N. J., assignor to The Baldwin Locomotive Works. Torsion producing apparatus. 2,494,671, Jan. 17.

Schetty, Guido: *See*—
Schmid, Otto, and Schetty.

Schlesinger, Hermann L., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the Director of the Office of Scientific Research and Development. Alkoxy borohydrides and their preparation. 2,494,968, Jan. 17.

Schlicksupp, Theodore F., Long Island City, N. Y. Valve. 2,494,633, Jan. 17.

Schmid, Otto, Muttenz, and G. Schetty, assignors to J. R. Geigy A.-G., Basel, Switzerland. Metallizable azo dyestuffs and their manufacture. 2,494,969, Jan. 17.

Schmidt, Emil G., Chicago, Ill. Cigarette and match case. 2,494,724, Jan. 17.

Schmidt, Ernst, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Latex creaming in the presence of dibasic sodium phosphate. 2,495,141, Jan. 17.

Schmidt, William B., Hutchinson, Minn. Downspout strainer. 2,494,780, Jan. 17.

Schmidt, William E., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Water-cooled refractory damper. 2,494,634, Jan. 17.

Schmitt, William, Reno, Nev. Safety ash tray. 2,495,185, Jan. 17.

Schofield, Earl L., Rockford, Ill., assignor to Superior Coach Corporation, Lima, Ohio. Safety latch means for automobiles. 2,494,672, Jan. 17.

Schreiber, Richard S.: *See*—
Kirk, William, Jr., Schreiber and Whitman.

Schulman, Earl L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resinous composition and heater plate mica insulation produced therewith. 2,495,186, Jan. 17.

Schultz, Walter E.: *See*—
Hotzler, Otto E., and Schultz.

Schutz, Phillip W.: *See*—
McMahon, Everett K., and Schutz.

Schweda, Albert M.: *See*—
Le Vesconte, Harold J., Schweda and Smith.

Schweickart, William M., Mentor, Ohio. Variable diameter pulley. 2,495,078, Jan. 17.

Schwitzer-Cummins Company, assignee: *See*—
Schwitzer, Louis, and Roland.

Schwitzer, Louis, and J. Roland, assignors to Schwitzer-Cummins Company, Indianapolis, Ind. Power-driven vehicle with loading ramp. 2,494,725, Jan. 17.

Scott & Williams, Incorporated, assignee: *See*—
Lawson, Robert H.

Scripto, Inc., assignee: *See*—
Sams, Herbert W.

Seary, Eugene G., Hastings on Hudson, N. Y. Transparency mount and making same. 2,495,142, Jan. 17.

Sebring, Paul B., Cambridge, Mass., and H. Brooks, Bennington, Vt., assignors to the United States of America as represented by the Secretary of the Navy. Discriminator circuit. 2,495,023, Jan. 17.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Perforating device. 2,494,836, Jan. 17.

Seigle, Leon W.: *See*—
Flett, Lawrence H., and Seigle.

Seitz, August W.: *See*—
Greiner, Alfred, and Seitz.

Servel, Inc., assignee: *See*—
Andersson, Sven W. E.
McNeely, Lowell.
Thomas, Albert R., and Edberg.
Whitlow, Eugene P.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Cracking hydrocarbons with modified kaolin catalyst. 2,494,586, Jan. 17.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Forming gaseous sulfides and sulfidation therewith. 2,494,587, Jan. 17.

Shames, Irving, Brooklyn, N. Y. Reinforced fabric strap. 2,495,187, Jan. 17.

Shann, Oscar A.: *See*—
Guthe, Olof D. M., and Shann.

Sharp, Paul F., Piedmont, assignor to Golden State Company, Ltd., San Francisco, Calif. Apparatus for processing substances containing crystallizable material. 2,495,024, Jan. 17.

Sharples Chemicals Inc., assignee: *See*—
Davidson, John B., and Olin.

Shaw, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid rheostat. 2,495,188, Jan. 17.

Shea, Jeremiah F., Springfield, Mass. Reconditioning forging dies. 2,494,970, Jan. 17.

Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Electrical heating element for ovens. 2,494,903, Jan. 17.

Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Control unit for indicators of cooking ranges. 2,494,904, Jan. 17.

Sherman, Lewis, Horseheads, N. Y. Compressor for jet propelling apparatus. 2,494,635, Jan. 17.

Shumann, Harold F., Pittsburgh, Pa. Method and apparatus for heat sealing. 2,494,905, Jan. 17.

Sifferd, Robert H., Lyons, and J. D. Porsche, Clarendon Hills, assignors to Armour and Company, Chicago, Ill. Treating lipoidal material. 2,494,726, Jan. 17.

Silent Hoist & Crane Co., Inc., assignee: *See*—
Flynn, Francis K.

Silverman, Ira, assignee: *See*—
Wald, Morton, Brooks, and Leaman.

Simmonds, John J., Lawrence, Kans., assignor, by mesne assignments, to Dearborn Motors Corporation, Detroit, Mich. Power lift attachment for tractors or the like. 2,495,143, Jan. 17.

Simmonds, Wayne W., Kansas City, Mo., assignor, by mesne assignments, to Dearborn Motors Corporation, Detroit, Mich. Framework structure for power lifting attachments for vehicles. 2,495,144, Jan. 17.

Simmons, Frank A., Elgin, assignor to Burgess Battery Company, Lake Zurich, Ill. Sprayer or atomizer. 2,494,837, Jan. 17.

Simms, Charles H.: *See*—
Breadner, Robert L., Jenkins, and Simms.

Simplex Display Fixture Company, assignee: *See*—
Geistert, Lewis A.

Sinclair Refining Company, assignee: *See*—
Fisher, Frank E.

Singer Manufacturing Company, The, assignee: *See*—
McCann, Michael.

Skooglund, Arthur C., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Extruder reactor. 2,494,588, Jan. 17.

Slaughter, John R., Dallas, Tex. Chair. 2,494,838, Jan. 17.

Sletner, Peder G., Oslo, Norway. Electrical heating body. 2,494,589, Jan. 17.

Slifkin, Sam C., and T. J. Trojnar, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Cyan component for diazotype color process. 2,494,906, Jan. 17.

Sloane, Bette, Brooklyn, N. Y. Coat hanger trouser holding attachment. 2,494,727, Jan. 17.

Small, Arthur V., Augusta, Kans. Beecomb foundation. 2,494,907, Jan. 17.

Smith, A. O., Corporation, assignee: *See*—
Ernestus, Adolph W.
Gruetjen, Frederick A.
Lindsay, Edwin H.

Smith, Allan K.: *See*—
Babcock, Glen E., and Smith.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,495,025, Jan. 17.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,495,026, Jan. 17.

Smith, Arthur E., Los Angeles, Calif. Syringe. 2,495,027, Jan. 17.

Smith, Arthur R., Birmingham, G. A. Lee and C. J. Hopkins, Cuffley, England. Glass severing mechanism. 2,494,674, Jan. 17.

Smith, Clarence C.: *See*—
Le Vesconte, Harold J., Schweda, and Smith.

Smith, George A., Philadelphia, Pa. Fluid metering or control system. 2,494,673, Jan. 17.

Smith, George E. P., Jr., and J. C. Ambelang, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber compositions of improved tack. 2,495,145, Jan. 17.

Smith, Keith V., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Atomizing structure. 2,494,590, Jan. 17.

Smith, Orson P., Seattle, Wash. Invalid lift. 2,494,591, Jan. 17.

Smyers, William H., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Treating synthetic polymers with phosphorus and sulfur and products obtained thereby. 2,494,592, Jan. 17.

Snowball, Robert, assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada. Washbasin and toilet bowl assembly. 2,495,201, Jan. 17.

Societe "Quartz & Silice," assignee: *See*—
Bouchet, George.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hartough, Howard D., and Sardella.

Soderberg, Carl R.: *See*—
Highberg, Axel L., Newcomb, and Soderberg.

Somervell, Mildred V., assignee: *See*—
Vickers, Carroll B.

Sonnett, William A. and W. J., Ada, Ohio. Gameball. 2,495,079, Jan. 17.

Sonnett, William J.: *See*—
Sonnett, William A. and W. J.

Sonoco Products Company, assignee: *See*—
Dunlap, Charles K.

Spalding, A. G., & Bros., Inc., assignee: *See*—
Brown, William T.
Gibson, Frederick W.

Spanel, Abraham N., Dover, Del. Shoulder pad. 2,495,028, Jan. 17.

Sparks, William J.: *See*—
Lightbown, Irving E., Sparks, and Thomas.

Spengler, Henry, assignor to H. J. Jackson, New York, N. Y. Strap or belt structure. 2,495,029, Jan. 17.

Sperry Corporation, The, assignee: *See*—
Lundy, Clarence C.

Sperry Products, Inc., assignee: *See*—
De Lano, Ralph B., Jr.

Sprague Electric Company, assignee: *See*—
Podolsky, Leon.

Spruance, Frank P., Jr., Ambler, and J. H. Thirsk, Wyncote, assignors to American Chemical Paint Company, Ambler, Pa. Coating ferriferous metals and zinciferous metals. 2,494,908, Jan. 17.

Spruance, Frank P., Jr., Ambler, and J. H. Thirsk, Wyncote, assignors to American Chemical Paint Company, Ambler, Pa. Coating copper, brass, terneplate, magnesium, zinciferous and ferriferous metals. 2,494,909, Jan. 17.

Spruance, Frank P., Jr., assignor to American Chemical Paint Company, Ambler, Pa. Method of and composition for coating aluminum. 2,494,910, Jan. 17.

Square D Company, assignee: *See*—
Jackson, John G., and Kingdon.

Stacey, Ernest W., and F. W. Reinhold, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Ammunition feeder. 2,494,728, Jan. 17.

Standard Oil Company, assignee: *See*—
Starrett, James W.
Voorhees, Vanderveer.

Standard Oil Development Company, assignee: *See*—
Fasce, Egi V.
Saylor, John S., Jr.

Standard Oil Development Company, assignee: *See*—
Skooglund, Arthur C.
Smyers, William H., and Young.

Starrett, James W., Crete, assignor to Standard Oil Company, Chicago, Ill. Flushing oil. 2,495,030, Jan. 17.

Stein, Joseph M., and R. W. Egglestone, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conduit box for single-phase motors. 2,495,189, Jan. 17.

Steiner, Arnold B., La Jolla, and W. H. McNeely, assignors to Kelco Company, San Diego, Calif. High-stability glycol alginates and their manufacture. 2,494,911, Jan. 17.

Steiner, Arnold B., La Jolla, and W. H. McNeely, assignors to Kelco Company, San Diego, Calif. High alkylene glycol esters of alginic acid. 2,494,912, Jan. 17.

Steinman, Alexander S., assignor of one-half to N. Steinman, Chicago, Ill. Collar support. 2,494,675, Jan. 17.

Steinman, Nathan, assignee: *See*—
Steinman, Alexander S.

Steinmeyer, Frank E., Garden City, assignor to Columbian Bronze Corporation, Freeport, N. Y. Hydraulic steering apparatus. 2,494,839, Jan. 17.

Stephenson, Louis J., New Bern, N. C. Automatic soldering iron control. 2,494,840, Jan. 17.

Stevens, Arthur J.: *See*—
Wilder, Marshall P., and Stevens.

Stewart, Robert H., Detroit, Mich. Folding catamaran. 2,495,190, Jan. 17.

Stewart-Warner Corporation, assignee: *See*—
Fagen, William F., Klug, and Allen.
Tramontini, Vernon N., and Allen.

Stine, James B., assignor to Kraft Foods Company, Chicago, Ill. Emmenthaler cheese. 2,494,636, Jan. 17.

Stine, James B., assignor to Kraft Foods Company, Chicago, Ill. Cheese manufacture. 2,494,637, Jan. 17.

Stine, James B., assignor to Kraft Foods Company, Chicago, Ill. Manufacture of American type cheese. 2,494,638, Jan. 17.

Stober, Kenneth E.: *See*—
Amos, James L., and Stober.

Storch, Max H., Belle Harbor, N. Y. Feeding mechanism for fountain pens. 2,495,080, Jan. 17.

Storin, Gordon K.: *See*—
Casciani, Ferri, and Storin.

Stovall, Kenneth L., Coos Bay, Oreg. Oil filter unit. 2,495,031, Jan. 17.

Stover, Emory F., Wynnewood, Pa. Fluid meter. 2,494,781, Jan. 17.

Straughn, James B., Silver Spring, Md. Retouching device. 2,495,146, Jan. 17.

Street, John N., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Coagulation process and apparatus. 2,495,147, Jan. 17.

Stuhl, Andrew, Navarre, Ohio. Windrowing attachment for lawn mowers. 2,495,032, Jan. 17.

Stutz, Frederick L.: *See*—
Ford, Ledger D., and Stutz.

Sullivan, Francis J., Ansonia, and A. R. Abbott, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Shuttle box for looms. 2,494,913, Jan. 17.

Sullivan, John, Flushing, N. Y. Sterilizing housing for telephones with an ultraviolet lamp. 2,495,034, Jan. 17.

Sullivan, Joseph F., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Slider fastener. 2,495,033, Jan. 17.

Summers, Orran B., Morenci, assignor to Jet Shaft Seals, Inc., Phoenix, Ariz. Sealing device for shafts. 2,494,971, Jan. 17.

Sun Chemical Corporation, assignee: *See*—
Kaplan, William.

Super Mold Corporation of California, assignee: *See*—
Glynn, Edwin A.

Superior Coach Corporation, assignee: *See*—
Schofield, Earl L.

Sutter, Paul: *See*—
Holbro, Theodor, Sutter, and Kern.

Suydam, Joseph W., Blue Point, N. Y. Eddy current loud speaker. 2,494,782, Jan. 17.

Svenska Rayon Aktiebolaget, assignee: *See*—
Lindquist, Curt A. J.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Fluid power, controlling means and associated mechanisms therefor. 2,494,841, Jan. 17.

Sverdrup, Edward F., assignor to U. S. Rubber Reclaiming Company, Inc., Buffalo, N. Y. Reclaiming rubber. 2,494,593, Jan. 17.

Swank, Wilbert A., Dayton, Ohio. Audio fatigue unit. 2,494,594, Jan. 17.

Swihart, Owen C., South Bend, Ind. Reflector for musical wind instruments. 2,494,783, Jan. 17.

Switzer, Joseph L., Cleveland Heights, and R. A. Ward, Cleveland; said Ward assignor to said J. L. and R. C. Switzer, South Euclid, Ohio. Heterocyclic fluorescent coloring materials. 2,495,202, Jan. 17.

Switzer, Robert C., assignee: *See*—
Switzer, Joseph L., and Ward.

Szegho, Constantin S., New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill. Schmidt projector having cathode-ray tube comprising spherical mirror. 2,495,035, Jan. 17.

Szigeti, Bela: *See*—
Forrester, William F., Hinde, and Szigeti.

Tanberg, Ragnar, Dremmen, Norway. Manufacturing continuous electrodes. 2,495,148, Jan. 17.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M.
Sheidler, Robert G.

Taylor, Edward C., Valley Stream, and A. F. Brennels, Brooklyn, N. Y. Cable bending and twisting machine. 2,494,595, Jan. 17.

Taylor, William H., San Leandro, Calif. Magnet-operated switch. 2,495,149, Jan. 17.

Telenik, Eugene, New York, N. Y. Machine for ashing, roughing, and polishing articles made of plastic. 2,495,036, Jan. 17.

Tenger, Jan: *See*—
Aninga, Johannes B., and Tenger.

Terry, Bennett F., Stamford, Conn. Preparing aluminum plates to receive silver halide emulsion. 2,494,729, Jan. 17.

Texas Company, The, assignee: *See*—
Kemp, Lebbeus C., Jr.

Thermal Liquids, Inc., assignee: *See*—
Oaks, Orion O.

Thévenaz, Jean, Yverdon, assignor to Paillard S. A., Sainte-Croix, Switzerland. Device for cinematographic apparatus intended for restoring automatically the length of the film loop comprised between the objective and the driving roller. 2,494,842, Jan. 17.

Thimblethorpe, June S. and W. S., London, England. Electric stove for heating and cooking. 2,494,843, Jan. 17.

Thimblethorpe, Wilfred S.: *See*—
Thimblethorpe, June S. and W. S.

Thomas, Albert R., deceased, Evansville, Ind., by The National City Bank, administrator, and P. Edberg, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Absorption refrigeration system, including a purge arrangement. 2,494,972, Jan. 17.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,495,037, Jan. 17.

Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.

Thirsk, James H.: *See*—
Spruance, Frank P., Jr., and Thirsk.

Thomas, Jesse B., Jackson Heights, N. Y., assignor, by mesne assignments, to United States of America as represented by the United States Atomic Energy Commission. Packless valve. 2,495,081, Jan. 17.

Thomas, Robert M.: *See*—
Lightbown, Irving E., Sparks, and Thomas.

Thompson Products, Inc., assignee: *See*—
Booth, James H.

Thurshy, Arthur H., Chicago, Ill., assignor to Inland Container Corporation, Indianapolis, Ind. Palletized container. 2,494,730, Jan. 17.

Tiger, Howard L., Hewlett, assignor to The Permutit Company, New York, N. Y. Briquette for desalting seawater. 2,494,784, Jan. 17.

Tondora, Joseph, Linden, N. J. Combined window sash and screen. 2,494,844, Jan. 17.

Tramontini, Vernon N., and G. W. Allen, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Heat exchanger and combustion chamber construction for internal-combustion air heaters. 2,494,785, Jan. 17.

Trojnar, Thaddeus J.: *See*—
Slifkin, Sam C. and Trojnar.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Geremia, Leo F.

Tucker, Charles D., assignor to Drafto Corporation, Cochranton, Pa. Metal disintegrating device. 2,495,038, Jan. 17.

Tuel, Lewis F., Bakersfield, Calif. Sand line spooler. 2,495,039, Jan. 17.

Union Asbestos & Rubber Co., assignee: *See*—
Kuellmar, Adolph G.

Union Special Machine Company, assignee: *See*—
Le Vesconte, Harold J., Schweda, and Smith.
Rubel, Charles F.

Union Switch & Signal Company, The, assignee: *See*—
Doucette, Adrian R.
Gilson, Robert M.
Myers, John R.

United Aircraft Corporation, assignee: *See*—
Anderson, John E.
Dissel, Theodore A., and Newell.
Highberg, Axel L., Newcomb, and Soderberg.
Martin, Erle.
Richmond, Nelson R.

United-Carr Fastener Corporation, assignee: *See*—
Wagstaff, George.

United Shoe Machinery Corporation, assignee: *See*—
Bray, William N.
Elliott, Harold E., and Barton.
Knowlton, Norwood H.
Paulsen, Hans C.
Stacey, Ernest W., and Reinhold.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Anderson, Herbert L., and Koontz.
Reinghelm, Richard S.
Thomas, Jesse B.

United States Gypsum Company, assignee: *See*—
Willey, Grant S., and Ruthman.

United States Hoffman Machinery Corporation, assignee: *See*—
Armstrong, Francis J.
Armstrong, Francis J., and Hamlin.

U. S. Rubber Reclaiming Company, Inc., assignee: *See*—
Sverdrup, Edward F.

United States Time Corporation, The, assignee: *See*—
Patterson, Everett M., and McAloon.

Universal Oil Products Company, assignee: *See*—
Grote, Henry W.
Oberding, Harold J.

Urschel, Gerald W.: *See*—
Urschel, Joe R. and G. W.

Urschel, Joe R. and G. W., Valparaiso, Ind. Machine for clipping onions and the like. 2,494,914, Jan. 17.

Vahle, Julius, Syracuse, N. Y., assignor to General Electric Company. Variable-reactance device. 2,494,596, Jan. 17.

Van der Poel, Johannes M., Eindhoven, Netherlands, assignor to General Electric Company. Gas-filling and sealing vessels. 2,494,915, Jan. 17.

Van der Schuur, John K., Oakland, Calif. Clamp glide. 2,494,676, Jan. 17.

Van Deventer, Ralph E., assignor to Packard Motor Car Company, Detroit, Mich. Conditioning metal members for a welding operation. 2,495,150, Jan. 17.

Van Horn, Irving H., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp with blackening collector. 2,494,916, Jan. 17.

Van Liempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company, Schenectady, N. Y. Fuse lead for electric lamps. 2,494,917, Jan. 17.

Van Loon, Carel J., and W. Beukema, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver with condenser tuning. 2,494,677, Jan. 17.

Vapor Heating Corporation, assignee: *See*—
Lehane, Timothy J.

Velluz, Léon, and G. Rousseau, Paris, assignors to Les Laboratoires Francais de Chmiotherapie, Paris, France. Separating progesterone from cholesterol. 2,494,678, Jan. 17.

Vickers, Carroll B., Buffalo, N. Y., assignor to M. V. Somervell. Hydraulic system. 2,495,151, Jan. 17.

Vickers Incorporated, assignee: *See*—
Gardiner, Duncan B.

Vincent, George P., Briarcliff Manor, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to Mathieson Chemical Corporation. Apparatus for steaming textiles. 2,494,731, Jan. 17.

Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Beaded welting. 2,494,786, Jan. 17.

Vokes Limited, assignee: *See*—
Pilliner, Bernard J.

Volcan S. A., assignee: *See*—
Gefroy, Robert R. L.

Volkers & Schaffer, Inc., assignee: *See*—
Volkers, Walter K.

Volkers, Walter K., Schenectady, N. Y., assignor to Volkers & Schaffer, Inc. Inductively energized electrodynamic loudspeaker. 2,494,918, Jan. 17.

Vollmer, Mathilda C., Berthold, N. Dak., and W. Funke, Brooklyn, N. Y. Clothes hanger. 2,494,973, Jan. 17.

Vonada, Edwin E.: *See*—
Winterhalter, William E., and Vonada.

Voogd, Jacob: *See*—
Kroger, Ferdinand A., and Voogd.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Pressuring fluidized solids. 2,495,152, Jan. 17.

Wadleigh, Elbert R., Los Angeles, Calif. Die for thermoplastics. 2,494,974, Jan. 17.

Wagstaff, George, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electric lamp socket. 2,494,845, Jan. 17.

Wald Morton, New York, J. Brooks, Brooklyn, N. Y., and J. Leaman, Duluth, Minn., said Brooks assignor to I. Silverman, New York, N. Y. Collar display holder. 2,495,153, Jan. 17.

Walden, Willie W., Hugo, Okla. Valve stem dislodging tool. 2,495,040, Jan. 17.

Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Vinyl air-drying wrinkle composition and applying same. 2,494,597, Jan. 17.

Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. String-of-exchanges telephone system. 2,495,191, Jan. 17.

Wander, A., Dr., A. G., assignee: *See*—
Hirt, Rudolf.

Wanner, Louis R., Philadelphia, Pa., assignor to Hugh H. Eby, Inc. Socket for holding a crystal. 2,494,919, Jan. 17.

War, United States of America as represented by the Secretary of, assignee: *See*—
Fisher, Willis A.
Williamson, Thurmond A.
Ward, Frank W., Jr., Memphis, Tenn. Vent cap. 2,494,679, Jan. 17.
Ward, Richard A.: *See*—
Switzer, Joseph L., and Ward.
Waring, Alfred C., Dayton, Ohio. Hydraulic packing and seal. 2,494,598, Jan. 17.
Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Coating with organopolysiloxanes. 2,494,920, Jan. 17.
Waterous Company, assignee: *See*—
Collura, Francesco.
Waylite Company, The, assignee: *See*—
Halkins, James A.
Webb, Josephine R., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Snap action circuit closer. 2,495,192, Jan. 17.
Weber, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rolling contact device for measuring lengths of flexible hose, strip, and the like. 2,494,732, Jan. 17.
Weckbaugh, Joseph V., Greenwich, Conn. Photographically producing a plurality of assemblages of preselected data. 2,494,599, Jan. 17.
Wedin, Gertrude, assignee: *See*—
Wedin, Ivar T.
Wedin, Ivar T., assignor of one-half to G. Wedin, Farmington, Mich. Calibrated lead screw. 2,494,846, Jan. 17.
Welland, John N., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Sheet metal working press. 2,494,921, Jan. 17.
Welmann, Emil: *See*—
Kusher, Hyman, and Welmann.
Weinheimer, Fred L., Sr., South River, N. J. Coaster brake for wheeled vehicles. 2,495,082, Jan. 17.
Weinig, Friedrich S., Stuttgart-Moehringen, Germany. Parachute composed of alternating taut and loose ribbons. 2,494,600, Jan. 17.
Weiss, Manfred, New York, N. Y. Beach or sun hat. 2,495,041, Jan. 17.
Welch, Herbert L., Oquosoc, Maine, assignor to Ashaway Line & Twine Mfg. Co. Vise for tying leader ends. 2,495,083, Jan. 17.
Welch, Jerome B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Safety control for welders. 2,494,847, Jan. 17.
Wells, George W., Amesbury, Mass., Boston Safe Deposit and Trust Company, executor of said G. W. Wells, deceased. Variable stroke press. 2,495,084, Jan. 17.
Wells, William F., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating apparatus. 2,495,193, Jan. 17.
West, Ernest: *See*—
West, Frederick J. and E.
West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Rotary grate having fuel cutting means. 2,494,975, Jan. 17.
Westinghouse Electric Corporation, assignee: *See*—
Ankenman, Earl B.
Baker, Benjamin P.
Browne, Thomas E., Jr.
Carlin, Herbert J.
Ferguson, John P.
Fulmer, Norman C.
Goldsborough, Shirley L.
La Hue, Philip M.
Leape, Charles B.
Lyman, Wallace R.
Horstman, Clifford C., and Bramble.
Jennings, Lawrence D., and Naymik.
Kinn, Theodore P.
Nagel, Frits J.
Pierson, Paul R.
Reilly, Jack E.
Roberts, William L.
Samsellius, John W.
Schulman, Earl L.
Shaw, George R.
Smith, Keith V.
Stein, Joseph M., and Eggleston.
Webb, Josephine R.
Wells, William F.
Wright, Willard L.
Weston Electrical Instrument Corporation, assignee: *See*—
Lamb, Anthony H.
West's Gas Improvement Company Limited, assignee: *See*—
West, Frederick J. and E.
Wetzel, Guy F., Park Ridge, Ill. Piston ring expander. 2,494,787, Jan. 17.
Wetzel, Guy F., Park Ridge, Ill. Demonstrating device for spark plugs. 2,494,788, Jan. 17.
White, John, and G. D. Manville, Los Angeles, Calif. Self-gaging bevel wing butt hinge. 2,494,789, Jan. 17.
White, Reginald A.: *See*—
Doyle, Irving W., and White.
Whitehead, Ernest G., assignor to The Wolverhampton Die-Casting Company Limited, Wolverhampton, England. Polishing articles and a device for use therein. 2,494,733, Jan. 17.
Whitelegg, Rudolph F., New York, N. Y., assignor to B. B. Chemical Co., Boston, Mass. Laminating flock coated vinyl resin sheet and resulting product. 2,494,848, Jan. 17.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft replenishing looms. 2,494,976, Jan. 17.
Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,494,977, Jan. 17.
Whitman, Gerald M.: *See*—
Kirk, William, Jr., Schreiber, and Whitman.
Whitney, Clark B., Sackets Harbor, N. Y., assignor to The New York Air Brake Company. Flange union fitting. 2,494,849, Jan. 17.
Wiggins, John H., Chicago, Ill. Fluid storage apparatus. 2,494,601, Jan. 17.
Wight, Sedgwick N.: *See*—
Field, Oscar S., Wight, and Hewes.
Wilder, Marshall P., Stamford, Conn., and A. J. Stevens, Holliston, Mass., assignors to Remington Rand Inc., New York, N. Y. Two-sided mosaic and manufacturing same. 2,495,042, Jan. 17.
Wiley, Calvert H., Tulare, Calif. Collapsible portable house. 2,494,680, Jan. 17.
Wilkinson, Robert W., Tisdale, Saskatchewan, Canada. Artificial arm. 2,494,734, Jan. 17.
Willey, Grant S., and K. S. Ruthman, assignors to United States Gypsum Company, Chicago, Ill. Laminated product and making same. 2,495,043, Jan. 17.
Williams, James B., Minden, La. Electric soldering device for commutators. 2,495,044, Jan. 17.
Williams, Owen E., Oshkosh, Wis. Nonskid device. 2,494,850, Jan. 17.
Williamson, Thurmond A., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Producing 5,6-dimethoxy-8-nitroquinoline. 2,494,851, Jan. 17.
Wilson-Jones Co., assignee: *See*—
Segal, Samuel.
Winterhalter, William E., Coshocton, Ohio, and E. E. Vonada, McKeesport, Pa. Electric control. 2,494,852, Jan. 17.
Wisconsin Malting Company, assignee: *See*—
Erlich, Victor L.
Wisoff, William, Brooklyn, N. Y. Sounding figure wheel toy. 2,494,681, Jan. 17.
Wolf X-Ray Products, Inc., assignee: *See*—
Lubow, Morris.
Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Self-developing magazine and film unit. 2,495,112, Jan. 17.
Wolters, Carl F., New Canaan, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Truck for record trays. 2,495,046, Jan. 17.
Wolverhampton Die-Casting Company Limited, The, assignee: *See*—
Whitehead, Ernest G.
Woodbury, Robert L., U. S. Army, Litchfield, Conn., and E. P. Hanson, Long Island City, N. Y. Laminated plastic removable insole. 2,495,045, Jan. 17.
Woodward Governor Company, assignee: *See*—
Drake, James W.
Woodward, Robert B.: *See*—
Canfield, Robert W., and Woodward.
Worthing, Harold R., Janesville, Wis. Cigarette extinguisher and ash tray. 2,494,979, Jan. 17.
Wright, Harold M., Vancouver, British Columbia, Canada. Froth flotation apparatus. 2,494,602, Jan. 17.
Wright, Willard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Through bolt commutator. 2,495,194, Jan. 17.
Wykoff, Roy A., Jr., Keokuk, Iowa. Firing pin. 2,494,603, Jan. 17.
Yancey, John R.: *See*—
Denning, Charles O., and Yancey.
Yardeny, Michel N., New York, N. Y. Apparatus for selectively positioning a load. 2,494,922, Jan. 17.
Yates, Paul R., Salt Lake City, Utah. Coupling. 2,494,639, Jan. 17.
Yoder, Joe, Milwaukee, Wis., and R. Auth, South Euclid, Ohio, assignors to General Electric Company. Method and apparatus for bending and exhausting tubular lamps. 2,494,923, Jan. 17.
Young, David W.: *See*—
Smyers, William H., and Young.
Zahler, Ben, assignor to Columbia Blind Stitch Machine Mfg. Corp., New York, N. Y. Sewing machine. 2,494,790, Jan. 17.
Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Safety device for railway car door operating mechanism. 2,494,604, Jan. 17.
Zimmerman, Stanley W., Dalton, Mass., assignor to General Electric Company. Lightning arrester. 2,495,154, Jan. 17.
Zip-Clip Zipper Corp., assignee: *See*—
Nissen, Hans G.
Zuckerman, Herman, Imperial, Calif. Detachable shelf for automobile instrument panels. 2,494,980, Jan. 17.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Door check and hold open. F. O. Riley and R. F. Anderson. Re. 23,191, Jan. 17.

LIST OF DESIGN INVENTIONS

Basket or similar article, Separable. M. Fridinger. 156,877, Jan. 17.
Bottle or the like, Toiletry. J. L. Livermore. 156,903, Jan. 17.
Box, Jewelry. F. D'Alessandro. 156,869, Jan. 17.
Bracelet or similar article. A. Katz. 156,897, Jan. 17.
Brassière. I. Kosiovsky. 156,901, Jan. 17.
Brooch or similar article. A. Katz. 156,887–8, Jan. 17.
Brooch or similar article. A. Katz. 156,898, Jan. 17.
Brooch or similar article. A. Philippe. 156,912–14, Jan. 17.
Brooch or similar article, Separable. A. Katz. 156,891, Jan. 17.
Brooch or similar article, Separable. A. Katz. 156,895–6, Jan. 17.
Cabinet, Lubricator. T. L. Hand. 156,881, Jan. 17.
Cabinet or the like, Air conditioner. J. M. Lewis. 156,902, Jan. 17.
Canopy or similar article, Cooking stove. R. Sonntag. 156,922, Jan. 17.
Case for photographic light meters, Carrying. H. Rosenthal. 156,918, Jan. 17.
Centerpiece or similar article, Decorative. M. Fridinger. 156,878, Jan. 17.
Cigarette lighter and clock, Combined. I. Florman. 156,875, Jan. 17.
Clip for holding cigarettes, golf tees, or the like, Caddy-cart. C. K. Wooden. 156,928, Jan. 17.
Coat. A. Burell. 156,865, Jan. 17.
Comb or the like. B. Ulvad. 156,925, Jan. 17.
Comport or article of similar nature. T. C. Heisey. 156,882, Jan. 17.
Dish or article of similar nature, Candy. T. C. Heisey. 156,883, Jan. 17.
Dish or article of similar nature, Chocolate. T. C. Heisey. 156,884, Jan. 17.
Dish or similar article, Combination tea and toast. A. J. Dreitzer. 156,872, Jan. 17.
Dispenser, Razor blade. E. A. Nelson. 156,909, Jan. 17.
Earring or similar article. A. Katz. 156,889–90, Jan. 17.
Earring or similar article. A. Katz. 156,892–4, Jan. 17.
Earring or similar article. A. Katz. 156,899, Jan. 17.
Emblem plate, Automobile. M. M. Burnett. 156,866, Jan. 17.
Fabric. M. H. Shulman. 156,920, Jan. 17.
Fabric or similar article, Textile. W. O. Wells, Jr. 156,926, Jan. 17.
Figurine. H. B. Kipp. 156,900, Jan. 17.
Glass, Drinking. A. Sloan. 156,921, Jan. 17.
Handle for a scraping tool. P. L. Marsuoli and J. B. O'Hara. 156,905, Jan. 17.
Holder or similar article, Tube dispensing. T. M. Moffitt. 156,908, Jan. 17.
Ice tub or article of similar nature. T. C. Heisey. 156,885, Jan. 17.
Jar, Candy. M. G. Yutzey. 156,929, Jan. 17.
Jointer. C. B. Stevens. 156,923, Jan. 17.
Kit, Paint. K. G. Emmons. 156,874, Jan. 17.
Light, Portable. S. Nussbaum. 156,911, Jan. 17.
Lighter. E. B. de Mesquita. 156,871, Jan. 17.
Lighter, Table. W. J. Reilly. 156,916, Jan. 17.
Lathe, Dental. E. J. Pow. 156,915, Jan. 17.
Material or the like, Plastic film. J. J. Maibach. 156,904, Jan. 17.
Opener, Bobby pin. W. F. Cogswell. 156,867, Jan. 17.
Panel or similar article. H. W. Miller. 156,906, Jan. 17.
Planter, Seed. P. E. Milton. 156,907, Jan. 17.
Plate, Cake. A. A. Surina. 156,924, Jan. 17.
Ring, Finger. J. D. Reynolds, III. 156,917, Jan. 17.
Seat. E. Hoback. 156,886, Jan. 17.
Shoe. H. B. Delman. 156,870, Jan. 17.
Sprayer. V. Elsner. 156,873, Jan. 17.
Standard, Lamp. S. K. Williams. 156,927, Jan. 17.
Stocking. P. R. Nestler. 156,910, Jan. 17.
Sweater. H. Boepple. 156,862, Jan. 17.
Tool, Garden. J. A. Fraim. 156,876, Jan. 17.
Toy figure container for games. J. S. Cole and D. E. Golden. 156,868, Jan. 17.
Toy, Musical. T. L. Bonkowski and H. Solloway. 156,863, Jan. 17.
Utensil, Cooking. E. G. Grundstrom. 156,879, Jan. 17.
Vending machine, Confection. G. Babcock. 156,861, Jan. 17.
Viewing apparatus, Photographic. A. E. Schubert and W. S. Nivison. 156,919, Jan. 17.
Washbasin and dressing table unit for bathrooms. W. S. Brown and W. A. Soverns. 156,864, Jan. 17.
Washing machine. R. C. Gwin, Jr. 156,880, Jan. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adjustable cutter. R. J. Bradley. 2,495,091, Jan. 17.
Adjustable cutting torch holder. D. L. Forrest. 2,494,698, Jan. 17.
Adjustable display rack. F. Kramer. 2,495,109, Jan. 17.
Agitating device. A. J. Fressola. 2,494,866, Jan. 17.
Air conditioning apparatus. E. L. Hart. 2,495,002, Jan. 17.
Air cooling system for automotive vehicles. W. A. Borden. 2,495,090, Jan. 17.
Airer, Electrically heated. G. A. Chapman. 2,494,861, Jan. 17.
Airfoil heating means. E. Martin. 2,494,625, Jan. 17.
Airplane approach control, Means for. S. P. Saint. 2,495,139, Jan. 17.
Aligning device for clapper boxes. W. F. Phillips. 2,494,961, Jan. 17.
Alkoxy borohydrides and their preparation. H. I. Schlesinger and H. C. Brown. 2,494,968, Jan. 17.
Alloy: *See*—
  Copper base alloy.
Allyl beta-alloxypropionate. E. J. Kelley and H. T. Neher. 2,494,880, Jan. 17.
Aluminum plates to receive silver halide emulsion, Preparing. B. F. Terry. 2,494,729, Jan. 17.
Ammunition feeder. E. W. Stacey and F. W. Reinhold. 2,494,728, Jan. 17.
Ammunition packing device. P. F. Lambert. 2,494,564, Jan. 17.
Anchoring device. W. Huppert. 2,495,103–4, Jan. 17.
Antenna construction, Dipole. J. R. Marshall. 2,494,665, Jan. 17.
Anthraquinone thioxanthone dicarbazoles. F. Max and D. I. Randall. 2,495,014, Jan. 17.
Antislip device for footwear, Detachable. W. S. Craven. 2,494,692, Jan. 17.
Apparatus for bending glass tubes. A. Greiner. 2,494,871, Jan. 17.
Apparatus for continuous anodising of sheet metal. J. F. Mason and F. H. Hesch. 2,494,954, Jan. 17.
Apparatus for making metallic bellows. W. H. Grant. 2,495,059, Jan. 17.
Apparatus for making precast concrete units. A. Henderson. 2,495,100, Jan. 17.
Apparatus for molding tire flaps. H. W. Huff. 2,495,102, Jan. 17.
Apparatus for processing substances containing crystallizable material. P. F. Sharp. 2,495,024, Jan. 17.
Apparatus for producing artificial radio direction signals. G. B. Linderman, III. 2,494,566, Jan. 17.
Apparatus for producing granulated slag. J. A. Halkins. 2,494,999, Jan. 17.
Apparatus for projecting sunlight onto public exhibits and advertising subjects. J. Journel. 2,494,879, Jan. 17.
Apparatus for scarfing billets and the like. R. J. Nicolaisen. 2,494,627, Jan. 17.
Apparatus for sealing glass and metal members. A. Greiner. 2,494,870, Jan. 17.
Apparatus for selectively positioning a load. M. N. Yardeny. 2,494,922, Jan. 17.
Apparatus for serving ice cream. H. W. Protzeller. 2,495,077, Jan. 17.
Apparatus for steaming textiles. G. P. Vincent and A. L. Dubeau. 2,494,731, Jan. 17.
Apron, X-ray protective. M. Lubow. 2,494,664, Jan. 17.
Aquarium. A. E. Gandy. 2,494,937, Jan. 17.
Arc electrode support. W. E. Moore. 2,494,775, Jan. 17.
Arc welding apparatus. W. L. Roberts. 2,495,183, Jan. 17.
Arc welding, Electric. R. P. Palmer. 2,494,718, Jan. 17.
Arc welding system. L. D. Drugmand. 2,494,747, Jan. 17.
Arc welding system, High-frequency stabilized. E. B. Ankenman. 2,495,155, Jan. 17.
Article attaching machine. M. McCann. 2,495,069, Jan. 17.
Artificial arm. R. W. Wilkinson. 2,494,734, Jan. 17.
Aryl phosphates of polyvinyl alcohol. G. M. Kosolapoff. 2,495,108, Jan. 17.
Ash receiver, Cigarette. G. V. Randel. 2,494,629, Jan. 17.
Ash tray, Safety. W. Schmitt. 2,495,185, Jan. 17.
Attachment for lawn mowers, Windrowing. A. Stuhl. 2,495,032, Jan. 17.
Attachment for motorboats, Trolling. W. McClain. 2,495,116, Jan. 17.
Attachment for tractors or the like, Power lift. J. J. Simmonds. 2,495,143, Jan. 17.
Audio fatigue unit. W. A. Swank. 2,494,594, Jan. 17.
Azo dyestuffs and their manufacture, Metallizable. O. Schmid and G. Schetty. 2,494,969, Jan. 17.
Azo dyestuff images from n-acyl-n-aryl hydrazine developers, Production of. W. E. Hanford. 2,495,000, Jan. 17.

Bag with sealing closure, Therapeutic. C. W. Leguillon and C. P. Krupp. 2,495,114, Jan. 17.
Balance assembly for propeller blades. F. A. Gruetjen. 2,494,756, Jan. 17.
Balancer, Crankshaft. E. McMaster. 2,494,569, Jan. 17.
Ball, Inflatable game. W. T. Brown. 2,494,796, Jan. 17.
Ball, Inflated. F. W. Gibson. 2,494,806, Jan. 17.
Ball joint. J. H. Booth. 2,494,739, Jan. 17.
Bar: *See*—
  Sine bar.
Bar for vending machines, Operating. C. Gabrielsen. 2,494,805, Jan. 17.
Beaded welting. W. C. Vizard. 2,494,786, Jan. 17.
Beecomb foundation. A. V. Small. 2,494,907, Jan. 17.
Bending and exhausting tubular lamps, Method and apparatus for. J. Yoder and R. Auth. 2,494,923, Jan. 17.
Bending and twisting machine, Cable. E. C. Taylor and A. F. Brenneis. 2,494,595, Jan. 17.
Bending tubular glass articles, Method and apparatus for. A. Greiner and A. W. Seitz. 2,494,872, Jan. 17.
Benzanthrone dicarboxylic acid compounds. T. Holbro, P. Sutter, and W. Kern. 2,494,811, Jan. 17.
Binder. E. M. Phillips. 2,495,180, Jan. 17.
Binder, Arch type loose-leaf. C. C. Rea. 2,494,898, Jan. 17.
Bis(4-aminocyclohexyl) methane. W. Kirk, Jr., C. Hundred, R. S. Schreiber, and G. M. Whitman. 2,494,563, Jan. 17.
Bituminous emulsion and preparation thereof, Stable. D. C. Jesseph. 2,494,708, Jan. 17.
Blade mounting. A. L. Highberg, P. P. Newcomb, and C. R. Soderberg. 2,494,658, Jan. 17.
Bleaching pulp. F. Casciani and G. K. Storin. 2,494,542, Jan. 17.
Boat, Collapsible. C. R. Jones. 2,494,763, Jan. 17.
Bobbin. C. K. Dunlap. 2,495,058, Jan. 17.
Body manipulating table. A. L. Colston. 2,494,746, Jan. 17.
Boiler. E. A. Glynn. 2,494,654, Jan. 17.
Boot, Surgical. F. E. Gogerty. 2,494,701, Jan. 17.
Boot, Waterproof ski. L. Rome. 2,494,964, Jan. 17.
Box for looms, Shuttle. F. J. Sullivan and A. R. Abbott. 2,494,913, Jan. 17.
Box for single-phase motors, Conduit. J. M. Stein and R. W. Eggleston. 2,495,189, Jan. 17.
Bracket: *See*—
  Looking bracket.
Brake: *See*—
  Caster brake.
Brake for wheeled vehicles, Coaster. F. L. Weinheimer, Sr. 2,495,082, Jan. 17.
Briquette for desalting seawater. H. L. Tiger. 2,494,784, Jan. 17.
Bromination of trifluoromethyl derivatives of benzene. C. F. Kohl, Jr. 2,494,817, Jan. 17.
Brush holder. J. W. Samzellius. 2,495,184, Jan. 17.
Bulk materials, Moving. D. O. Martin. 2,494,953, Jan. 17.
Burner: *See*—
  Thermopile and pilot burner.
Burner and switch device for burner systems, Thermostatically controlled safety pilot. L. Kathe. 2,494,660, Jan. 17.
Burner apparatus, Oil, including an automatic delay action fuel valve. W. R. Lyman. 2,494,714, Jan. 17.
Burner having atmospheric air draft inducing means, Perforated combustion tube oil. F. U. Dumas. 2,494,991, Jan. 17.
Burner with interrupted annular finned cover plate, Rotary. C. O. Meyers. 2,494,893, Jan. 17.
Cacao butter in butyl rubber heavily loaded with black. S. R. Harrison and R. M. Hill. 2,495,099, Jan. 17.
Calculator. C. Dalboni. 2,494,609, Jan. 17.
Calculator, Radio communication graphic. N. A. Atwood. 2,494,536, Jan. 17.
Calibration of thermal relays. J. J. Dietz. 2,494,863, Jan. 17.
Camera having Roll film differential means for operating pressure pads. L. D. Nadel. 2,495,019, Jan. 17.
Can opener and closure device. D. H. Dauel. 2,495,056, Jan. 17.
Cap: *See*—
  Vent cap.
Capacitor, Electrical. R. A. Henderson. 2,495,062, Jan. 17.
Case: *See*—
  Cigarette and match case.
  Removable battery case.
Case or the like, Refrigerated merchandise display. D. J. Grelling. 2,494,703, Jan. 17.
Casket, Metal burial. F. T. Paden. 2,494,577, Jan. 17.

Caster brake. C. F. Forbes. 2,494,696, Jan. 17.
Catalyst regeneration, Process and apparatus for fluidized. H. W. Grote. 2,494,614, Jan. 17.
Catamaran, Folding. R. H. Stewart. 2,495,190, Jan. 17.
Cathode-ray tube. J. P. Ferguson. 2,494,992, Jan. 17.
Cellulose webs, manufacturing regenerated. C. A. J. Lindquist. 2,494,951, Jan. 17.
Centrifugal pump. F. Collura. 2,494,988, Jan. 17.
Chair: *See*—
  Retracting type theater chair.
Chair. C. L. Dewey. 2,494,647, Jan. 17.
Chair. J. R. Slaughter. 2,494,838, Jan. 17.
Channel unit for multiplex systems. W. D. Houghton. 2,495,168, Jan. 17.
Check valve. R. R. L. Geffroy. 2,494,653, Jan. 17.
Cheese, Emmenthaler. J. B. Stine. 2,494,636, Jan. 17.
Cheese manufacture. J. B. Stine. 2,494,637, Jan. 17.
Cheese, Manufacture of American type. J. B. Stine. 2,494,638, Jan. 17.
Chemical erasing of photographic silver images. J. F. Klenast. 2,494,765, Jan. 17.
Chlorocresols, Manufacture of. R. T. Foster. 2,494,993, Jan. 17.
Chuck. O. H. Banker. 2,495,050, Jan. 17.
Cigarette and match case. E. G. Schmidt. 2,494,724, Jan. 17.
Cigarette, Extensible. A. L. C. Moss and R. H. Goldsmith. 2,494,776, Jan. 17.
Circuit: *See*—
  Discriminator circuit.
  Ignitor firing circuit.
  Keyed oscillator circuit.
  Modulator circuit.
  Vacuum tube circuit.
Circuit breaker. L. F. Ceremia. 2,494,868, Jan. 17.
Circuit breaker, Gas blast. A. Latour. 2,494,661, Jan. 17.
Circuit breaker, Thermal-magnetic. J. G. Jackson and R. H. Kingdon. 2,494,761, Jan. 17.
Circuit closer, Snap action. J. R. Webb. 2,495,192, Jan. 17.
Circuit interrupter. B. P. Baker. 2,495,156, Jan. 17.
Circuits for electric discharge lamps. J. Cates. 2,494,860, Jan. 17.
Circuits, Frequency-detector and frequency-control. W. E. Bradley. 2,494,795, Jan. 17.
Clamp: *See*—
  Skull clamp.
Cleaner: *See*—
  Suction cleaner.
Clothes hanger. M. C. Vollmer and W. Funke. 2,494,973, Jan. 17.
Clothespin. A. J. Gordos and M. B. Gordos. 2,494,613, Jan. 17.
Clutch for punch presses and the like. M. Graves. 2,494,702, Jan. 17.
Coagulation process and apparatus. J. N. Street. 2,495,147, Jan. 17.
Coat and trouser hanger. J. M. Dinken. 2,494,648, Jan. 17.
Coating aluminum, Method of and composition for. F. P. Sprunance, Jr. 2,494,910, Jan. 17.
Coating and impregnating composition. L. J. Jubanowsky. 2,494,559, Jan. 17.
Coating copper, brass, terne-plate, magnesium, zinciferous and ferriferous metals. F. P. Sprunance, Jr. and J. H. Thirsk. 2,494,909, Jan. 17.
Coating ferriferous metals and zinciferous metals. F. P. Sprunance, Jr. and J. H. Thirsk. 2,494,908, Jan. 17.
Coating with organopolysiloxanes. E. L. Warwick. 2,494,920. Jan. 17.
Coffee extract, Process for the preparation of aromatic. H. Cohen. 2,494,928, Jan. 17.
Collar display holder. M. Wald, J. Brooks, and J. Leaman. 2,495,153, Jan. 17.
Collar, Spacing. R. N. Gardner. 2,494,995, Jan. 17.
Collar support. A. S. Steinman. 2,494,673, Jan. 17.
Coloring materials, Heterocyclic fluorescent. J. L. Switzer and R. A. Ward. 2,495,202, Jan. 17.
Comb. L. J. Biel. 2,494,685, Jan. 17.
Combination process for the hydrogenation of carbon monoxide and the production of ammonia. L. C. Kemp, Jr. 2,494,561, Jan. 17.
Combustible gas, Process and apparatus for making. W. W. Odell. 2,494,576, Jan. 17.
Communication system, Two-way light. M. E. Collins. 2,494,645, Jan. 17.
Commutator, Through bolt. W. L. Wright. 2,495,194, Jan. 17.
Compass, Adjustable ellipse. H. R. Irick. 2,494,557, Jan. 17.
Compressor and control therefor, Free piston. G. A. Mueller, Jr. 2,494,573, Jan. 17.
Compressor for jet propelling apparatus. L. Sherman. 2,494,635, Jan. 17.
Condensation of aldehydes with aromatics or thiophenes in the presence of gluconite. H. D. Hartough and J. J. Sardella. 2,494,758, Jan. 17.
Condenser: *See*—
  Zinc condenser.
Conditioning metal members for a welding operation. R. E. Van Deventer. 2,495,150, Jan. 17.
Contact arm for self-resetting magnetic contact relays. A. H. Lamb. 2,494,622, Jan. 17.
Container: *See*—
  Palletized container.
  Signal - equipped container.
Container and support therefor, Beverage. L. E. Rabjohn. 2,494,719, Jan. 17.
Container for milk and the like. M. O. Kuhn. 2,495,110, Jan. 17.
Containers for dropping from aircraft, Bomb and other stores. W. L. Lax and J. Harrison. 2,494,885, Jan. 17.
Control apparatus. R. C. Davis. 2,495,160, Jan. 17.
Control device. G. H. Berkholder. 2,495,087, Jan. 17.
Control for motors, Antiplugging. J. G. Eisenberg, now by judicial change of name J. G. Elwood. 2,494,611, Jan. 17.
Control for welders, Safety. J. B. Welch. 2,494,847, Jan. 17.
Control mechanism for chucks. J. J. Jurasinovic. 2,494,764, Jan. 17.
Control system, Airplane approach. O. S. Field, S. N. Wight, and R. W. Hewes. 2,495,140, Jan. 17.
Control unit for indicators of cooking ranges. R. G. Sheidler. 2,494,904, Jan. 17.
Controlling apparatus for interlocked home signals, Railway traffic. J. R. Myers. 2,494,959, Jan. 17.
Controlling means and associated mechanisms therefor, Fluid power. E. J. Svenson. 2,494,841, Jan. 17.
Conversion of hydrocarbons with recovery of coke, Pyrolytic. F. R. Fisher. 2,494,695, Jan. 17.
Conveyer for removing pipe from galvanizing baths. M. L. Eckman. 2,495,093, Jan. 17.
Cooling machines, Can. H. E. Erickson. 2,494,864, Jan. 17.
Copper base alloy. J. D. Berwick. 2,494,736, Jan. 17.
Cord lock. C. Hirschy. 2,494,759, Jan. 17.
Corrugating mold. J. C. Case and L. S. Meyer. 2,494,642, Jan. 17.
Counter, Radiation. H. L. Anderson and P. G. Koontz. 2,494,641, Jan. 17.
Counterbalance for slip roll formers. W. E. Lundgren. 2,495,068, Jan. 17.
Coupling: *See*—
  Hose coupling.
  Hydrodynamic coupling.
  Pipe coupling.
  Tractor-semitrailer coupling.
  Trailer coupling.
Coupling. P. R. Yates. 2,494,639, Jan. 17.
Coupling device. J. F. Murphy. 2,494,574, Jan. 17.
Coupling for pipes, piles, and like elements. R. Mulder. 2,494,826, Jan. 17.
Covering, One-piece foot. R. Hogan. 2,494,617, Jan. 17.
Cracking hydrocarbons with modified kaolin catalyst. H. A. Shabaker. 2,494,586, Jan. 17.
Crimping or pleating apparatus and method. B. J. Pilliner. 2,495,130, Jan. 17.
Crumber, Table. J. H. Miller. 2,494,572, Jan. 17.
Cultivator, Flame. A. Richards. 2,494,720, Jan. 17.
Curtain rod. L. D. Ford and F. L. Stutz. 2,494,697, Jan. 17.
Curtain, Ruffle. F. S. Nichols. 2,494,668, Jan. 17.
Cutter: *See*—
  Adjustable cutter.
  Rivet cutter.
  Root cutter.
  Vegetable cutter.
Cutter for weft replenishing looms, Thread. H. A. Whitin. 2,494,976, Jan. 17.
Cutting machine, Metal. G. V. Gamallo. 2,494,994, Jan. 17.
Cutting machine, Self-synchronous. R. R. Lobosco. 2,494,663, Jan. 17.
Cyan component for diazotype color process. S. C. Slifkin and T. J. Trojnar. 2,494,906, Jan. 17.
Damper, Water-cooled refractory. W. E. Schmidt. 2,494,634, Jan. 17.
Damping device, Aircraft rotor. H. S. Campbell. 2,494,985, Jan. 17.
Decating machine. G. Haeberlin. 2,494,807, Jan. 17.
Decating machine and method. G. Haeberlin. 2,494,808, Jan. 17.
Decoy, Pulp. A. H. Risch. 2,494,631, Jan. 17.
Dehydration system, Gas. I. H. Clement. 2,494,644, Jan. 17.
Demonstrating device for spark plugs. G. F. Wetzel. 2,494,788, Jan. 17.
Demonstration device and package. W. H. Sands. 2,495,200, Jan. 17.
Derivatives of oleonitrile having surface active properties, Production of. W. Kaplan. 2,495,105, Jan. 17.
Designing of woven fabrics, Means for use in the. D. M. Cooper. 2,495,054, Jan. 17.
Detergent composition. W. C. Preston. 2,494,580, Jan. 17.
Detergent compositions, Abrasive. C. J. Munter. 2,494,827, Jan. 17.
Device for cinematographic apparatus intended for restoring automatically the length of the film loop comprised between the objective and the driving roller. J. Thévenaz. 2,494,842, Jan. 17.
Device for making coated welding rods. J. B. Aninga and J. Tenger. 2,494,856, Jan. 17.
Diaper. H. Donahue. 2,494,933, Jan. 17.
Die for thermoplastics. E. R. Wadleigh. 2,494,974, Jan. 17.
Dielectric materials, Manufacture of. W. F. Forrester, R. M. Hinde, and B. Szigeti. 2,494,699, Jan. 17.

Diffuser, Liquid. F. S. Abbott. 2,494,640, Jan. 17.
Di-n-butylamino malonic acid-ethyl-diethylaminoethyl ester. R. Hirt. 2,494,875, Jan. 17.
Direct reading capacity meter. A. R. Doucette. 2,494,934, Jan. 17.
Direction finding system. P. G. Hansel. 2,494,553, Jan. 17.
Discharge device, Electronic. J. A. Rajchman. 2,494,670, Jan. 17.
Disconnect switch. P. R. Pierson. 2,495,181, Jan. 17.
Discriminator, Asymmetrical. W. H. Forster. 2,494,751, Jan. 17.
Discriminator circuit. P. B. Sebring and H. Brooks. 2,495,023, Jan. 17.
Disintegrating device, Metal. C. D. Tucker. 2,495,038, Jan. 17.
Dissolving low viscosity diolefin polymers. S. Rodman. 2,495,136, Jan. 17.
Ditch forming machine, Irrigation. Y. Lion. 2,494,820, Jan. 17.
Dolly, Display. L. A. Geistert. 2,494,997, Jan. 17.
Door operating mechanism, Furnace. L. S. Longenecker. 2,494,713, Jan. 17.
Dowel assembly for concrete road joints. W. S. Godwin. 2,494,869, Jan. 17.
Drag scraper equipment. C. C. McMullen. 2,495,197, Jan. 17.
Drape, Vanity table. A. McD. Hess. 2,494,874, Jan. 17.
Drier with automatic capping device, Vacuum. H. K. Burr and B. Makower. 2,494,541, Jan. 17.
Drive for dual table glass machine, Unidirectional dual selective. A. W. Happel. 2,494,706, Jan. 17.
Drive, Motor vehicle. C. L. Hoff. 2,495,101, Jan. 17.
Drive shaft. L. D. Jennings and J. Naymik. 2,495,169, Jan. 17.
Drive unit for road vehicles, Front and rear engine wheel. R. L. J.-B. Sanmori. 2,494,902, Jan. 17.
Drive unit, Motor-generator-starter. C. P. Pepper. 2,494,960, Jan. 17.
Drive, Vehicle. N. R. Huntington. 2,494,945, Jan. 17.
Drying of yarns and the like. R. F. Conaway and I. V. Hitt. 2,495,053, Jan. 17.
Duct booster. R. H. McElroy. 2,494,772, Jan. 17.
Electric control. W. E. Winterhalter and E. E. Vonada. 2,494,852, Jan. 17.
Electrical resistor and high-resistance carbon composition and resistance element therefor. L. Podolsky. 2,495,199, Jan. 17.
Electrodes, Manufacturing continuous. R. Tanberg. 2,495,148, Jan. 17.
Electromagnetic device. T. E. Browne, Jr. 2,495,157, Jan. 17.
Electromagnetic device, Three-stage retarded. J. A. Oppel. 2,495,127, Jan. 17.
Electron discharge device. S. O. Ekstrand, C. Maggs, and V. L. Ronci. 2,494,693, Jan. 17.
Energizing self-rectifying loading devices, Method of and apparatus for. M. Morrison. 2,495,122, Jan. 17.
Engine: *See*—
  Internal-combustion engine.
Engine construction and cooling method. G. E. Buske. 2,494,742, Jan. 17.
Engine manifold construction. J. Kuttner. 2,494,947, Jan. 17.
Eraser for writing instruments. C. F. Norlin. 2,495,178, Jan. 17.
Expansible rimmed abrading wheel. E. Kristek. 2,494,818, Jan. 17.
Extinguisher and ash tray, Cigarette. H. R. Worthing. 2,494,979, Jan. 17.
Extruder reactor. A. C. Skooglund. 2,494,588, Jan. 17.
Eyelet for orthodontia, Tie. A. B. Brusee. 2,494,540, Jan. 17.
Fabric: *See*—
  Woven fabric.
Fastener: *See*—
  Slider fastener.
Fastener. F. A. Nodine. 2,494,669, Jan. 17.
Fastener handling device. C. J. Mellodge. 2,495,070, Jan. 17.
Fastening device. C. E. Morley. 2,495,123, Jan. 17.
Fastening device. G. A. Tinnerman. 2,495,037, Jan. 17.
Fastening device for condensers or the like. H. W. Kost. 2,494,881, Jan. 17.
Feeder: *See*—
  Ammunition feeder.
  Gravity feed animal feeder.
Feeding mechanism for fountain pens. M. H. Storch. 2,495,080, Jan. 17.
Festooning machine. R. N. Moore. 2,494,667, Jan. 17.
Film feeding and winding apparatus. I. W. Doyle and R. A. White. 2,495,161, Jan. 17.
Film holder. C. E. Boucher. 2,494,740, Jan. 17.
Filter, *See*—
  Stacked disk filter.
Filter construction, Spring. F. J. Armstrong. 2,494,535, Jan. 17.
Filter system, Coolant. F. J. Armstrong and H. F. Hamlin. 2,494,534, Jan. 17.
Filter unit, Oil. K. Le R. Stovall. 2,495,031, Jan. 17.
Firearm, Gas piston operated. B. Maillard. 2,494,889, Jan. 17.
Firing graded glass tubular seals. J. C. Prokopec. 2,494,582, Jan. 17.
Firing pin. R. A. Wykoff, Jr. 2,494,603, Jan. 17.
Fish lure. W. J. Johnson. 2,494,620, Jan. 17.
Fish lure. E. E. Pruden. 2,495,021, Jan. 17.
Fish lure. C. C. Roberts. 2,495,134, Jan. 17.
Fish lure, Artificial. A. G. La Montagne. 2,494,948, Jan. 17.
Fishing device, Automatic. T. L. Finley. 2,494,800, Jan. 17.
Fishing reel. D. A. Luton and K. M. Johnson. 2,494,952, Jan. 17.
Fitting, Flange union. C. B. Whitney. 2,494,849, Jan. 17.
5,6-dimethoxy-8-nitroquinoline, Producing. T. A. Williamson. 2,494,851, Jan. 17.
Flame hardening and annealing, Method and apparatus for. J. J. Crowe. 2,495,055, Jan. 17.
Flasher type traffic signal. D. D. Grissinger. 2,495,098, Jan. 17.
Fluid meter. E. F. Stover. 2,494,781, Jan. 17.
Fluid pressure brake mounting. J. L. Mossey. 2,495,074, Jan. 17.
Fluid storage apparatus. J. H. Wiggins. 2,494,601, Jan. 17.
Fluorescent material, Cascaded. F. A. Kröger and J. Voogd. 2,494,883, Jan. 17.
Follow-up mechanism. J. W. Drake. 2,495,162, Jan. 17.
Footwear and novel closure therefor. R. E. MacLaughlin. 2,494,770, Jan. 17.
Forging. A. C. Dunn. 2,494,935, Jan. 17.
Forming gaseous sulfides and sulfidation therewith. H. A. Shabaker. 2,494,587, Jan. 17.
Forming golf club grips. J. E. McDevitt. 2,495,119, Jan. 17.
Frame: *See*—
  Tension frame.
Froth flotation apparatus. H. M. Wright. 2,494,602, Jan. 17.
Furnace. D. Bumstead, Jr. 2,494,608, Jan. 17.
Fuse, Detonating. R. L. Graumann. 2,494,549, Jan. 17.
Fuse lead for electric lamps. J. A. M. van Liempt. 2,494,917, Jan. 17.
Game apparatus, Board. L. Howard. 2,495,007, Jan. 17.
Gameball. W. A. and W. J. Sonnett. 2,495,079, Jan. 17.
Garment hanger. H. Kusher and E. Weimann. 2,494,711, Jan. 17.
Gas composition revision. E. V. Harlow. 2,494,554, Jan. 17.
Gas-filling and sealing vessels. J. M. van der Poel. 2,494,915, Jan. 17.
Gate: *See*—
  Hinged aperture gate.
Gear system, Self-locking and unlocking differential. A. W. Mesick. 2,495,016, Jan. 17.
Generator: *See*—
  High stability oscillator generator.
  Modulated ultrahigh frequency signal generator.
  Triggered electronic sweep generator.
Glass severing mechanism. A. R. Smith, G. A. Lee, and C. J. Hopkins. 2,494,674, Jan. 17.
Glow switch. H. Kaupp. 2,494,560, Jan. 17.
Glue. M. B. Christian and H. F. Ladd. 2,494,744, Jan. 17.
Glue composition and preparation, Cold-setting resorcinol. G. E. Babcock and A. K. Smith. 2,494,537, Jan. 17.
Glycerin and distilled fatty acids, Production of. V. Mills. 2,495,071, Jan. 17.
Glycol alginates and their manufacture, High-stability. A. B. Steiner and W. H. McNeely. 2,494,911, Jan. 17.
Glycol esters of alginic acid, Higher alkylene. A. B. Steiner and W. H. McNeely. 2,494,912, Jan. 17.
Glycol thioethers, Manufacture of. J. B. Davidson and J. F. Olin. 2,494,610, Jan. 17.
Grain preparation. V. L. Erlich. 2,494,544, Jan. 17.
Grate having fuel cutting means, Rotary. F. J. and E. West. 2,494,975, Jan. 17.
Gravity feed animal feeder. E. S. Lee. 2,494,950, Jan. 17.
Grinding machine, Centerless. G. E. Hieber. 2,494,555, Jan. 17.
Grinding machine, Rotary cutting tool. W. Melin. 2,494,825, Jan. 17.
Grinding process, Centerless. W. W. Gleeson. 2,494,938, Jan. 17.
Guard, Splash. R. F. Denzer. 2,495,195, Jan. 17.
Guide, Clamp. J. K. van der Schuur. 2,494,676, Jan. 17.
Guide device for flush tank ball valves, Adjustable. M. R. Green. 2,494,655, Jan. 17.
Guide, Electric wave. E. C. Cork and M. Bowman-Manifold. 2,494,691, Jan. 17.
Guide for the suspension shaft of the bowl of a cream separator, Elastic. E. L. J. Jadoul. 2,494,815, Jan. 17.
Handkerchief holder. W. E. Kugler. 2,495,012, Jan. 17.
Hanger: *See*—
  Clothes hanger.
  Coat and trouser hanger.
  Garment hanger.
Hanger trouser holding attachment, Coat. B. Sloane. 2,494,727, Jan. 17.

Hat, Beach or sun. M. Weiss. 2,495,041, Jan. 17.
Headlight assembly, Locomotive. A. E. Ganzert. 2,494,652, Jan. 17.
Heat controlling system. S. V. Borst. 2,494,737, Jan. 17.
Heat exchanger. H. A. Goldberg. 2,494,548, Jan. 17.
Heat exchanger and combustion chamber construction for internal-combustion air heaters. V. N. Tramontini and G. W. Allen. 2,494,785, Jan. 17.
Heat sealing, Method and apparatus for. H. F. Shumann. 2,494,905, Jan. 17.
Heating apparatus, Induction. W. F. Wells. 2,495,193, Jan. 17.
Heating body, Electrical. P. G. Sletner. 2,494,589, Jan. 17.
Heating device. R. R. Chaltin. 2,494,987, Jan. 17.
Heating element for ovens, Electrical. R. G. Sheidler. 2,494,903, Jan. 17.
Heating of dielectric materials, Micro-wave. T. P. Kinn. 2,495,170, Jan. 17.
Heat-treatment of copper-nickel-manganese alloys. D. R. and S. R. Hood. 2,495,063, Jan. 17.
Hidden container lock. E. M. Hirsch. 2,494,942, Jan. 17.
High stability oscillator generator. L. Norde. 2,495,177, Jan. 17.
Hinge, Door. A. W. Aspin. 2,494,682, Jan. 17.
Hinge, Self-gaging bevel wing butt. J. White and G. D. Manville. 2,494,789, Jan. 17.
Hinged aperture gate. L. H. Moomaw. 2,495,018, Jan. 17.
Hitch, Automobile trailer. A. P. Roth. 2,495,136, Jan. 17.
Hitch, Tractor. P. F. Hansen. 2,494,757, Jan. 17.
Holder: *See*—
  Adjustable cutting torch holder.
  Brush holder.
  Collar display holder.
  Film holder.
  Handkerchief holder.
  Lamp holder.
  Noncrystalline synthetic resin holder.
  Nursing bottle holder.
  Photographic print paper holder.
  Template holder.
  Wash line holder.
Holder for gaseous discharge lamps. E. R. Kulka. 2,495,196, Jan. 17.
Hose coupling. H. M. Messick. 2,494,774, Jan. 17.
House, Collapsible portable. C. H. Wiley. 2,494,680, Jan. 17.
Housing for telephones with an ultraviolet lamp, Sterilizing. J. Sullivan. 2,495,034, Jan. 17.
Hydraulic system. C. B. Vickers. 2,495,151, Jan. 17.
Hydrocarbon treatment and regeneration. W. S. Bonnell. 2,494,794, Jan. 17.
Hydrodynamic coupling. A. B. Bolender. 2,494,539, Jan. 17.
Icing indicator. J. Idrac. 2,494,877, Jan. 17.
Ignition and generator control apparatus, Electronic. W. F. Fagen, C. W. Klug, and A. C. Allen. 2,494,749, Jan. 17.
Ignitor firing circuit. P. M. La Hue. 2,495,171, Jan. 17.
Implement attaching mechanism, Tractor carried. M. V. Dillingham. 2,495,057, Jan. 17.
Incinerator. H. V. Patterson. 2,495,076, Jan. 17.
Indicator: *See*—
  Icing indicator.
Indicator for cooking ranges. C. M. Mayer. 2,494,892, Jan. 17.
Indicator system, Volume. J. F. Clark, III. 2,494,643, Jan. 17.
Infrared light-polarizing material and manufacture. R. P. Blake. 2,494,686, Jan. 17.
Inserting machine, Fastening. H. E. Elliott and G. C. Barton. 2,494,694, Jan. 17.
Insole, Laminated plastic removable. R. L. Woodbury and E. P. Hanson. 2,495,045, Jan. 17.
Installation for the continuous casting of ingots. J. F. A. Jacquet. 2,494,619, Jan. 17.
Internal-combustion engine. M. Mallory. 2,494,890, Jan. 17.
Iron control, Automatic soldering. L. J. Stephenson. 2,494,840, Jan. 17.
Jack inflatable by exhaust of automobiles, Pneumatic. J. H. Cox and R. L. Miller. 2,495,092, Jan. 17.
Joint: *See*—
  Ball joint.
  Pipe joint.
Keyed oscillator circuit. H. F. Mayer. 2,495,115, Jan. 17.
Labeling machine. J. D. McClatchie. 2,495,174, Jan. 17.
Lacquer, Ski. T. A. Dissel and I. L. Newell. 2,494,531, Jan. 17.
Laminated product and making same. G. S. Willey and K. S. Ruthman. 2,495,043, Jan. 17.
Lamp holder. E. B. Noel. 2,494,897, Jan. 17.
Lamp with blackening collector, Electric. I. H. van Horn. 2,494,916, Jan. 17.
Lamps, Making electric discharge. R. L. Breadner, H. G. Jenkins, and C. H. Simms. 2,494,857, Jan. 17.
Land and air vehicle. R. H. Fish, Jr. 2,494,547, Jan. 17.
Latch for telephone sets, Housing. C. E. Erickson. 2,495,164, Jan. 17.
Latch means for automobiles, Safety. E. L. Schofield. 2,494,672, Jan. 17.
Latex creaming in the presence of dibasic sodium phosphate. E. Schmidt. 2,495,141, Jan. 17.
Lathe. E. Bugatti. 2,494,797, Jan. 17.
Lawn mower, Power. H. Lind. 2,494,662, Jan. 17.
Lever, Fluid pressure actuated tire bead breaking. W. H. McCollister. 2,495,117, Jan. 17.
Lift, Invalid. O. P. Smith. 2,494,591, Jan. 17.
Lifting device for pallets or the like. H. Madsen. 2,494,823, Jan. 17.
Lighter and flashlight, Combination cigarette. M. Leif. 2,494,886, Jan. 17.
Lightning arrester. S. W. Zimmerman. 2,495,154, Jan. 17.
Lignin resins and making same. R. N. Evans and A. P. Ingrassia. 2,494,545, Jan. 17.
Liner for motor core slots, Insulation. W. T. Kirkpatrick. 2,495,010, Jan. 17.
Load handling apparatus for industrial trucks. F. K. Flynn. 2,494,661, Jan. 17.
Loading and gathering apparatus for tractors. C. L. Best. 2,494,684, Jan. 17.
Locating discontinuities by pulses of radiant energy. R. B. De Lano, Jr. 2,494,990, Jan. 17.
Lock: *See*—
  Cord lock.
  Hidden container lock.
Lock. W. B. Goughnour. 2,494,754, Jan. 17.
Lock for safes, Combined permutation and auxiliary. E. O'Brien. 2,494,575, Jan. 17.
Locking bracket. W. Kes. 2,495,106, Jan. 17.
Loom: *See*—
  Spool axminster carpet loom.
Loud-speaker, Eddy current. J. W. Suydam. 2,494,782, Jan. 17.
Loud-speaker, Inductively energized electrodynamic. W. K. Volkers. 2,494,918, Jan. 17.
Lung immobilizer. J. Leyenaar. 2,494,712, Jan. 17.
Machine for abrading shoe parts. N. H. Knowlton. 2,494,710, Jan. 17.
Machine for ashing, roughing, and polishing articles made of plastic. E. Telenik. 2,495,036, Jan. 17.
Machine for capping milk and other bottles and similar containers. A. G. Enock. 2,495,094, Jan. 17.
Machine for clipping onions and the like. J. R. and G. W. Urschel. 2,494,914, Jan. 17.
Machine for use in the manufacture of insoles. H. C. Paulsen. 2,494,578, Jan. 17.
Machinery for load handling equipment, Operating. W. M. Huston. 2,494,618, Jan. 17.
Magazine and film unit, Self-developing. O. E. Wolff. 2,495,112, Jan. 17.
Magazine for cameras, Developing. M. T. Gannon. 2,495,113, Jan. 17.
Magnet-operated switch. W. H. Taylor. 2,495,149, Jan. 17.
Mandrel, Expanding. T. G. Ross. 2,494,899, Jan. 17.
Material handling machine. E. B. Royle. 2,495,138, Jan. 17.
Measuring system, Antihunt electrical. A. J. Hornfeck. 2,494,876, Jan. 17.
Mechanism for transferring a body from a trailer chassis to a truck chassis, and vice versa. M. Ambarcumian. 2,494,735, Jan. 17.
Meter: *See*—
  Direct reading capacity meter.
  Fluid meter.
Metering or control system, Fluid. G. A. Smith. 2,494,673, Jan. 17.
Methacrolein oxime, Preparation. D. J. Butterbaugh and N. M. Bortnick. 2,494,859, Jan. 17.
Methylol phosphites. W. E. Craig and W. F. Hester. 2,494,862, Jan. 17.
Microphone with fuse. O. D. M. Guthe and O. A. Shann. 2,494,704, Jan. 17.
Milling isobutylene-multiolefin copolymer synthetic rubber prior to curing. I. E. Lightbown, W. J. Sparks, and R. M. Thomas. 2,494,766, Jan. 17.
Modulated ultra high frequency signal generator. C. C. Lundy. 2,494,568, Jan. 17.
Modulator circuit. G. Peterson. 2,494,830, Jan. 17.
Moisture-temperature device, Electric. H. J. Oberding. 2,494,628, Jan. 17.
Mold: *See*—
  Corrugating mold.
Mold with sprue severing means, Injection. E. M. Patterson and F. R. McAloon. 2,494,777, Jan. 17.
Mold with tungsten carbide insert. J. S. Horvath. 2,495,064, Jan. 17.
Mosaic and manufacturing same, Two-sided. M. P. Wilder and A. J. Stevens. 2,495,042, Jan. 17.
Motor: *See*—
  Vibrator type motor.
Motor of rotary abutment type, Reversing fluid. F. Berry. 2,495,088, Jan. 17.
Motor stop-start arrangement for telegraph receivers. T. G. Poulter. 2,495,131, Jan. 17.
Motor system, Remote radio controlled. J. Anthes. 2,494,533, Jan. 17.
Mount and making same, Transparency. E. G. Seary. 2,495,142, Jan. 17.
Mounted specimen. R. S. Ringheim. 2,494,834, Jan. 17.
Mounting: *See*—
  Blade mounting.
  Fluid pressure brake mounting.
Mounting for reciprocating gutter hoe-type conveyers, Paddle. F. L. Nickerson. 2,494,626, Jan. 17.

Mounting for Venetian blinds, Cord lock. F. J. Burns. 2,494,858, Jan. 17.
Mowing machine. E. L. Boyd. 2,494,741, Jan. 17.
Multicontrol for mechanical musical instruments or the like. F. M. Grunicke and J. H. Rauschenback. 2,494,656, Jan. 17.
N^4-acetyl, n^1-(p-iodophenyl) sulfanilamide. R. de Montaner. 2,494,931, Jan. 17.
Nest construction. S. B. Keagle. 2,494,709, Jan. 17.
Network, Amplifier coupling. J. Haantjes. 2,494,657, Jan. 17.
N-(hydroxy-aryl) aspartic acid diesters, Production of. L. H. Flett and L. W. Seigle. 2,494,650, Jan. 17.
Nicking device, Fabric. F. V. Martin. 2,494,824, Jan. 17.
Noncrystalline synthetic resin holder. C. B. Leape. 2,495,173, Jan. 17.
Nonskid device. O. E. Williams. 2,494,850, Jan. 17.
Nursing bottle holder. R. Rodin. 2,494,632, Jan. 17.
Nut, Sheet metal. H. W. Kost. 2,494,882, Jan. 17.
Oil, Flushing. J. W. Starrett. 2,495,090, Jan. 17.
Olefinic polymerisation in the presence of fluorine compounds. J. S. Saylor, Jr. 2,494,585, Jan. 17.
1,2-dihydrobenzo-(f)-quinolin-3-ol, and its preparation. W. F. Amon, Jr. 2,495,048, Jan. 17.
Opener, Electric can. F. Hensel. 2,494,616, Jan. 17.
Organ, Photoelectrically operated. C. Hook. 2,494,943, Jan. 17.
Oven. O. O. Oaks. 2,495,126, Jan. 17.
Oxidation of mercaptans in the presence of c-nitroso aromatic compounds. D. C. Bond. 2,494,687, Jan. 17.
Oxidation of the hardened inner surface of a pump liner to facilitate its removal from the liner. R. F. Arnoldy. 2,494,791, Jan. 17.
Packing and seal, Hydraulic. A. C. Waring. 2,494,598, Jan. 17.
Packless valve. J. B. Thomas. 2,495,081, Jan. 17.
Pad: *See*—
  Shoulder pad.
Paint compositions from catalytically conjugated oils. A. J. Lewis, H. A. Moser, and J. C. Cowan. 2,494,565, Jan. 17.
Palletized container. A. H. Thursby. 2,494,730, Jan. 17.
Paper, Dusting and polishing. H. I. Jones. 2,495,066, Jan. 17.
Papers, Creping corrugated. W. W. Rowe. 2,494,723, Jan. 17.
Parachute composed of alternating taut and loose ribbons. F. S. Weinig. 2,494,600, Jan. 17.
Peanut products and preparing the same. J. T. Owen. 2,494,717, Jan. 17.
Pen, Fountain. H. G. Martin. 2,495,013, Jan. 17.
Pen, Fountain. L. A. Paul. 2,495,179, Jan. 17.
Pencil, Mechanical. H. W. Sams. 2,494,967, Jan. 17.
Penicillin-like compound, Preparation of a. E. W. Cook and S. Kushner. 2,494,745, Jan. 17.
Perforating device. S. Segal. 2,494,836, Jan. 17.
Pest control agents. M. Goll. 2,494,941, Jan. 17.
Phase shifter. H. J. Carlin. 2,495,158, Jan. 17.
Phenanthridine derivatives, Production of. H. J. Barber. 2,495,051, Jan. 17.
Phosphatide composition and shortening and making same. M. C. Markley. 2,494,771, Jan. 17.
Photographic print paper holder. C. S. Hanson. 2,495,061, Jan. 17.
Photographic product. E. H. Land. 2,495,111, Jan. 17.
Photographically producing a plurality of assemblages of preselected data. J. V. Weckbaugh. 2,494,599, Jan. 17.
Piano, Portable. K. S. Gage. 2,494,700, Jan. 17.
Pickup unit, Differential transformer. J. R. Pimlott and S. E. Dawson. 2,494,579, Jan. 17.
Pigment emulsions and the manufacture thereof. C. Hobday and F. L. Goodall. 2,494,810, Jan. 17.
Pin: *See*—
  Firing pin.
Pipe coupling. W. A. Anderson. 2,494,854–5, Jan. 17.
Pipe joint. A. Huyton. 2,494,659, Jan. 17.
Pipe sections for oil well drills or the like, Multiple passage. J. Frost and R. Hermes. 2,494,803, Jan. 17.
Piston. A. W. Ernestus. 2,494,748, Jan. 17.
Piston expander. A. J. Mummert. 2,494,896, Jan. 17.
Plate for switch blades, Cam wear. L. C. Carrissimi. 2,494,986, Jan. 17.
Plate, Sectional. J. L. Remco. 2,495,132, Jan. 17.
Plow machine, Malting. D. Grimaldi. 2,495,096, Jan. 17.
Polarizing apparatus for determining color blindness, Light. R. L. Clarke. 2,494,543, Jan. 17.
Polishing articles and a device for use therein. E. G. Whitehead. 2,494,733, Jan. 17.
Polyhydroxybensene-formaldehyde adhesive and preparing and employing same. F. J. Nagel. 2,495,175, Jan. 17.
Polymerization of butadiene. G. P. Rowland, Jr. 2,495,137, Jan. 17.
Polymerizing styrene in iron vessels. J. L. Amos and K. E. Stober. 2,494,924, Jan. 17.
Potentiometer. H. Guller. 2,494,998, Jan. 17.
Powder composition and making the same, Glassy phosphate. C. J. Munter. 2,494,828, Jan. 17.
Power take-off device. A. G. Kuellmar. 2,495,011, Jan. 17.
Power transmission. D. B. Gardiner. 2,494,753, Jan. 17.
Precipitator, Electrical. K. W. MacKenzie. 2,494,822, Jan. 17.
Preserving rice. T. Hara. 2,495,001, Jan. 17.
Press: *See*—
  Quenching press.
  Sheet metal working press.
  Variable stroke press.
Pressure fluid control arrangement. C. H. Gambell. 2,494,752, Jan. 17.
Pressurizing fluidized solids. V. Voorhees. 2,495,152, Jan. 17.
Projectile, Rocket. G. J. Kessenich. 2,494,562, Jan. 17.
Projector having cathode-ray tube comprising spherical mirror, Schmidt. C. S. Szegho. 2,495,035, Jan. 17.
Pulley assembly, Adjustable belt. G. H. Bogenhagen. 2,495,089, Jan. 17.
Pulley, Variable diameter. W. M. Schweickart. 2,495,078, Jan. 17.
Pulp articles, Manufacturing. M. P. Chaplin. 2,494,743, Jan. 17.
Pump: *See*—
  Centrifugal pump.
Pump for propeller pitch changing mechanisms, Hydraulic. J. E. Anderson. 2,494,606, Jan. 17.
Pump, selector valve, and strainer, Combined fuel. C. V. Lassmann and N. Naldenoff. 2,494,884, Jan. 17.
Pyrolysis of C-acetoxy aliphatic amides to acrylamides. W. P. Ratchford and C. H. Fisher. 2,494,583, Jan. 17.
Pyrometer, Optical. G. Bouchet. 2,494,607, Jan. 17.
Quenching press. O. F. Bauer. 2,494,984, Jan. 17.
Rack: *See*—
  Adjustable display rack.
  Scuff plate luggage rack.
Radio receiver with condenser tuning. C. J. Van Loon and W. Beukema. 2,494,677, Jan. 17.
Rake, Tractor mounted side delivery. G. E. Ingram. 2,494,946, Jan. 17.
Reactance device, Variable. J. Vable. 2,494,596, Jan. 17.
Reader for children, Movie. W. E. Baker. 2,494,926, Jan. 17.
Receptacle closure, Rotary. J. R. McGrath. 2,495,015, Jan. 17.
Reclaiming rubber. E. F. Sverdrup. 2,494,593, Jan. 17.
Reconditioning forging dies. J. F. Shea. 2,494,970, Jan. 17.
Reel: *See*—
  Fishing reel.
  Separable moving picture film reel.
Reflector for musical wind instruments. O. C. Swihart. 2,494,783, Jan. 17.
Refrigeration. L. McNeely. 2,494,978, Jan. 17.
Refrigeration. E. P. Whitlow. 2,494,977, Jan. 17.
Refrigeration system, including a purge arrangement, Absorption. A. R. Thomas. 2,494,972, Jan. 17.
Regulating pressures in an absorption refrigerating system in accordance with ambient temperatures. C. C. Coons. 2,494,989, Jan. 17.
Regulating system. J. E. Reilly. 2,495,182, Jan. 17.
Regulator with signaling device, Temperature. C. W. Appelberg. 2,494,925, Jan. 17.
Relay with limited directional discrimination, Distance-type. S. L. Goldsborough. 2,495,166, Jan. 17.
Remote-control unit. W. C. Hall. 2,494,873, Jan. 17.
Removable battery case. S. Mendelsohn. 2,494,956, Jan. 17.
Removal of fluorine from organic materials. F. E. Frey. 2,494,867, Jan. 17.
Remover, Rack-and gear actuated screw cap. H. J. Hauck. 2,495,004, Jan. 17.
Resettable register. E. Mayer and J. F. Coles. 2,494,955, Jan. 17.
Resetting device for governors, Automatic. N. R. Richmond. 2,494,630, Jan. 17.
Resin sheet and resulting product, Laminating flock coated vinyl. R. F. Whiteleg. 2,494,848, Jan. 17.
Resin strips, Method and apparatus for producing twisted thermoplastic. R. W. Canfield and R. B. Woodward. 2,494,689, Jan. 17.
Resinous composition and heater plate mica insulation produced therewith. E. L. Schulman. 2,495,186, Jan. 17.
Resistive termination. S. Rosen. 2,494,722, Jan. 17.
Rest for shampooing, Neck. W. Morgan. 2,494,957, Jan. 17.
Retouching device. J. B. Straughn. 2,495,146, Jan. 17.
Retracting type theater chair. J. G. and T. W. Prosser. 2,494,779, Jan. 17.
Rheostat, Liquid. G. R. Shaw. 2,495,188, Jan. 17.
Ring expander, Piston. G. F. Wetsel. 2,494,787, Jan. 17.
Rivet cutter. J. W. Geddes. 2,494,996, Jan. 17.
Rod: *See*—
  Curtain rod.
Roll grooving apparatus. A. C. Koenig. 2,495,107, Jan. 17.
Rolling contact device for measuring lengths of flexible hose, strip and the like. J. A. Weber. 2,494,732, Jan. 17.
Root cutter. L. Cole. 2,495,052, Jan. 17.
Rosin products and processes, Refined. B. L. Hampton. 2,494,550, Jan. 17.
Rotor structure, Hammel Mill. M. E. Hamilton. 2,494,705, Jan. 17.
Rubber compositions of improved tack. G. E. P. Smith, Jr., and J. C. Ambelang. 2,495,145, Jan. 17.
Rubber from a mixture of polychloroprene and natural rubber, Making sponge. H. W. Greenup and W. F. Jordan. 2,495,097, Jan. 17.

Safety attachment for rowboats and the like. J. P. Gabriel. 2,494,804, Jan. 17.
Safety device for railway car door operating mechanism. A. E. Zimmer. 2,494,604, Jan. 17.
Sanitation device. J. Monaghan. 2,494,894, Jan. 17.
Sash and screen, Combined window. J. Tondora. 2,494,844, Jan. 17.
Saw set. J. A. Jensen and C. A. Russell. 2,494,762, Jan. 17.
Screw, Calibrated lead. I. T. Wedin. 2,494,846, Jan. 17.
Scuff plate luggage rack. W. J. Cerny. 2,494,690, Jan. 17.
Seal for conveying apparatus. H. S. Lenhart. 2,494,887, Jan. 17.
Sealing device for shafts. O. B. Summers. 2,494,971, Jan. 17.
Sealing means for rotary intaglio printing press ink fountains. J. E. Meyer. 2,495,017, Jan. 17.
Seat and swing, Child's combination car. H. P. Prigg. 2,494,581, Jan. 17.
Seat structure, Toilet. R. Hughes. 2,494,813, Jan. 17.
Selector for signal seeking tuning systems. M. J. Pifer. 2,495,020, Jan. 17.
Separable moving picture film reel. N. E. and J. M. Goldberg. 2,494,612, Jan. 17.
Separating progesterone from cholesterol. L. Velluz and G. Rousseau. 2,494,678, Jan. 17.
Separation of cylinders from spheres. K. L. Nance and L. R. Chance. 2,494,939, Jan. 17.
Separation of olefins. E. V. Fasce. 2,494,546, Jan. 17.
7-chloro-4-aminoquinolines, Production of. W. A. Fisher. 2,494,801, Jan. 17.
Sewing machine. H. J. Le Vesconte, A. M. Schweda, and C. C. Smith. 2,494,888, Jan. 17.
Sewing machine. C. F. Rubel. 2,494,901, Jan. 17.
Sewing machine. B. Zabler. 2,494,790, Jan. 17.
Sheet metal working press. J. N. Weiland. 2,494,921, Jan. 17.
Shelf, Folding. W. J. Dohkin. 2,494,798, Jan. 17.
Shelf for automobile instrument panels, Detachable. H. Zuckerman. 2,494,980, Jan. 17.
Shield disconnect, Ignition. E. Medvetz. 2,494,666, Jan. 17.
Shock absorber. J. H. Link. 2,494,768, Jan. 17.
Shoulder pad. A. N. Spanel. 2,495,028, Jan. 17.
Shutdown system for oil burners. R. B. Plass. 2,494,778, Jan. 17.
Sidecar for bicycles. G. B. Hill. 2,494,707, Jan. 17.
Sidewall coring tool. C. O. Deming and J. R. Yancey. 2,494,932, Jan. 17.
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  Flasher type traffic signal.
Signal-equipped container. O. E. Hotzler and W. E. Schultz. 2,494,944, Jan. 17.
Signaling system, Manually controllable coded track circuit. R. M. Gilson. 2,494,940, Jan. 17.
Sine bar. D. E. Mathews. 2,494,715, Jan. 17.
Ski stick, Adjustable. O. W. Jensen. 2,494,878, Jan. 17.
Skull clamp. F. A. Bloom. 2,494,792, Jan. 17.
Slider fastener. J. F. Sullivan. 2,495,033, Jan. 17.
Slider for slide fasteners, Reversible. H. G. Nissen. 2,495,176, Jan. 17.
Soap, Process and apparatus for making floating. D. E. Marshall. 2,494,891, Jan. 17.
Soap cakes, Method of and apparatus for making. I. M. Hoglin. 2,495,005, Jan. 17.
Socket, Electric lamp. G. Wagstaff. 2,494,845, Jan. 17.
Socket for holding a crystal. L. R. Wanner. 2,494,919, Jan. 17.
Sorket, Quick disconnect. L. V. Grover. 2,494,755, Jan. 17.
Soldering device for commutators, Electric. J. B. Williams. 2,495,044, Jan. 17.
Spectacles with ornamental chain for holding them in place. B. Fornicoin. 2,494,750, Jan. 17.
Spool axminster carpet loom. I. B. Bassindale. 2,494,983, Jan. 17.
Spooler, Sand line. L. F. Tuel. 2,495,039, Jan. 17.
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Stacked disk filter. W. J. Ewbank. 2,495,095, Jan. 17.
Steering apparatus, Hydraulic. F. E. Steinmeyer. 2,494,839, Jan. 17.
Steering gear. J. H. Booth. 2,494,738, Jan. 17.
Stop motion for knitting machines. R. H. Lawson. 2,495,067, Jan. 17.
Stove for heating and cooking, Electric. J. S. and W. S. Thimblethorpe. 2,494,843, Jan. 17.
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Strain relief. C. M. Huth. 2,494,814, Jan. 17.
Strainer, Downspout. W. B. Schmidt. 2,494,780, Jan. 17.
Strap, Cushion lug. J. E. Moe. 2,495,198, Jan. 17.
Strap or belt structure. H. Spengler. 2,495,029, Jan. 17.
Strap, Reinforced fabric. I. Shames. 2,495,187, Jan. 17.
Structure, Atomizing. K. V. Smith. 2,494,590, Jan. 17.
Structure for power lifting attachments for vehicles, Framework. W. W. Simmonds. 2,495,144, Jan. 17.
Suction cleaner. L. K. Acheson. 2,494,981, Jan. 17.
Sulfonamides, Preparation of. G. Alliger. 2,495,085, Jan. 17.
Sulfides containing acylated amino groups and preparing same, Water soluble. R. Sallmann. 2,494,966, Jan. 17.
Sulfonamide, Iodinated. R. de Montaner. 2,494,930, Jan. 17.
Support: *See*—
  Arc electrode support.
  Collar support.
Support and centering arrangement for the electrodes of electric discharge tubes, Resilient. G. H. P. Alma. 2,494,853, Jan. 17.
Support having universal joint locked by pair of nut-actuated wedges, Vise. S. P. Hull. 2,495,065, Jan. 17.
Supporting the nozzles of the combustion chambers of internal-combustion turbines. A. A. Lombard. 2,494,821, Jan. 17.
Surface treating apparatus. W. H. Mead and A. C. Buchan. 2,494,773, Jan. 17.
Switch: *See*—
  Disconnect switch.
  Glow switch.
  Magnet-operated switch.
  Tire pressure switch.
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Switch arrangement for money counting machines. T. E. Hayes. 2,494,615, Jan. 17.
Switch for hydraulic brakes, Low level. J. E. Fox. 2,494,802, Jan. 17.
Switching device. R. E. Mumma. 2,495,075, Jan. 17.
Syringe, A. E. Smith. 2,495,027, Jan. 17.
Syringe, Hypodermic. A. E. Smith. 2,495,025–6, Jan. 17.
Table: *See*—
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Table and bench, Combined. G. Rosenbaum. 2,494,900, Jan. 17.
Tank with temperature control for continuous films, Dark. F. C. Arthur. 2,495,049, Jan. 17.
Tape, Adhesive. C. M. Keaton. 2,495,008, Jan. 17.
Taping machine. F. J. Haas. 2,495,003, Jan. 17.
Telephone ejector, Automatic. F. G. Holmes. 2,495,006, Jan. 17.
Telephone system, String-of-exchanges. B. A. Wallace. 2,495,191, Jan. 17.
Temperature control apparatus, Automatic. T. J. Lehane. 2,494,624, Jan. 17.
Template holder. C. P. Ager. 2,494,532, Jan. 17.
Tension frame. B. A. Laugdahl. 2,494,949, Jan. 17.
Tentering or like machine for drying cloth or other material. J. Dungler. 2,495,163, Jan. 17.
Tester, Trigger pull. R. T. Milburn. 2,494,571, Jan. 17.
Testing device and method, Carburetor. J. L. Edelen. 2,494,936, Jan. 17.
Thermometer, Wet bulb. C. A. Mabey. 2,494,769, Jan. 17.
Thermopile and pilot burner. W. R. Ray. 2,494,833, Jan. 17.
Tie wire twisting and tightening tool. R. W. Piper. 2,494,832, Jan. 17.
Tire building and material used therein. H. Dreyfus. 2,494,649, Jan. 17.
Tire pressure switch. W. G. Phelps. 2,494,831, Jan. 17.
Tire removing apparatus, Central screw operated multiple arm. W. H. McCollister. 2,495,118, Jan. 17.
Tool: *See*—
  Sidewall coring tool.
  Tie wire twisting and tightening tool.
  Valve stem dislodging tool.
  Well drilling guide tool.
Tool. C. G. Pardee. 2,494,829, Jan. 17.
Tool for attaching tangs to belts. M. Kiessling. 2,495,009, Jan. 17.
Tool for making and applying wire hose clamps, Hand grip. C. W. Ray. 2,494,963, Jan. 17.
Torsion producing apparatus. H. Schaevitz. 2,494,671, Jan. 17.
Toy firearm. O. A. Albrecht. 2,494,605, Jan. 17.
Toy, Sounding figure wheel. W. Wisoff. 2,494,681, Jan. 17.
Tractor-semitrailer coupling. J. N. Apgar. 2,494,982, Jan. 17.
Trailer coupling. W. H. Duvall and A. L. Barnard. 2,494,799, Jan. 17.
Transducer, Electrical. G. R. Mezger. 2,494,570, Jan. 17.
Transmission for bicycles and other wheeled vehicles, Speed-changing geared. R. W. Irwin. 2,494,558, Jan. 17.
Trap setting device. A. E. Lines. 2,494,567, Jan. 17.
Treading tires, Method and apparatus for. A. J. Mussel man. 2,494,958, Jan. 17.
Treating clay catalysts used for conversion of sulfur containing feeds. C. F. Hornaday. 2,494,556, Jan. 17.
Treating hydrocarbons with hydrofluoric acid. J. A. Ridgway, Jr. 2,495,133, Jan. 17.
Treating lipoidal material. R. H. Sifford and J. D. Porsche. 2,494,726, Jan. 17.
Treating materials dielectrically, Method and apparatus for. E. K. McMahon and P. W. Schutz. 2,494,716, Jan. 17.
Treating synthetic polymers with phosphorus and sulfur and products obtained thereby. W. H. Smyers and D. W. Young. 2,494,592, Jan. 17.
Treating synthetic rubber coagulant effluent to recover aluminum salts. A. D. Miller and R. F. O'Connell. 2,495,120, Jan. 17.
Triggered electronic sweep generator. B. C. Fleming Williams and A. Allen. 2,494,865, Jan. 17.
Truck for record trays. C. F. Wolters. 2,495,046, Jan. 17.
Tube: *See*—
  Cathode-ray tube.
Tube evaporator, Removable vertical. E. H. Lindsay. 2,494,767, Jan. 17

Tube with protected electrode inlet, Electric discharge. J. G. W. Mulder. 2,494,895, Jan. 17.
Turbine, Hydraulic. N. A. Landt. 2,494,623, Jan. 17.
Turret, Wire recorder. O. R. Nemeth. 2,495,125, Jan. 17.
Utensil, Cooking. W. F. Hollfield. 2,494,812, Jan. 17.
Upholstery unit. H. G. Morner. 2,495,124, Jan. 17.
Upsetting of metal rods or bars. M. O. Hanna. 2,495,060, Jan. 17.
Vacuum tube circuit. E. W. Molloy. 2,495,072, Jan. 17.
Valve: *See*—
Check valve.
Packless valve.
Valve. T. F. Schlicksupp. 2,494,633, Jan. 17.
Valve means for spraying devices. C. F. Boe. 2,494,793, Jan. 17.
Valve stem dislodging tool. W. W. Walden. 2,495,040, Jan. 17.
Vapor-electric device. N. C. Fulmer. 2,495,165, Jan. 17.
Variable resistance device. Pressure-responsive. H. S. Jones. 2,494,621, Jan. 17.
Variable stroke press. G. W. Wells. 2,495,084, Jan. 17.
Variation device with noise reducing resonator, Electron velocity. S. D. Robertson. 2,494,721, Jan. 17.
Vegetable cutter. W. H. Moore. 2,495,121, Jan. 17.
Vehicle: *See*—
Land and air vehicle.
Vehicle with loading ramp, Power-driven. L. Schwitzer and J. Roland. 2,494,725, Jan. 17.
Vent cap. F. W. Ward, Jr. 2,494,679, Jan. 17.
Ventilator. F. L. Rose. 2,494,835, Jan. 17.
Vibrating device. I. Chertoff. 2,495,159, Jan. 17.
Vibrator type motor. J. M. Hush and D. E. Bench. 2,494,760, Jan. 17.
Vibratory discharger. C. R. Rouse. 2,494,584, Jan. 17.
Viewer having a telescoping casing, Film or plate. L. N. Afton and S. Kaufman. 2,495,047, Jan. 17.
Vinyl air-drying wrinkle composition and applying same. W. A. Waldie. 2,494,597, Jan. 17.
Vise for tying leader ends. H. L. Welch. 2,495,083, Jan. 17.
Wagon, Handcar-coaster. J. J. Panik. 2,495,128, Jan. 17.
Wash basin and toilet bowl assembly. R. Snowball. 2,495,201, Jan. 17.
Wash line holder. A. N. Purcell. 2,494,962, Jan. 17.
Watering device, Poultry. L. M. Henning. 2,494,809, Jan. 17.
Water-level control. S. W. E. Andersson. 2,495,086, Jan. 17.
Weight, Shuffleboard. L. Colaluca. 2,494,929, Jan. 17.
Welding equipment. C. E. Perrine and A. M. Brown. 2,495,129, Jan. 17.
Well drilling guide tool. W. P. Morris. 2,495,073, Jan. 17.
Welt for stockings, Adjustable. S. I. Burd. 2,494,927, Jan. 17.
Wheel: *See*—
Expansible rimmed abrading wheel.
Window for collapsible tops for automobiles, Rear. J. M. Robbins. 2,495,022, Jan. 17.
Wiper apparatus, Window. L. Baldo. 2,494,538, Jan. 17.
Wire enamels and conductors insulated therewith, Synthetic. C. B. Leape. 2,495,172, Jan. 17.
Work guidance assistance for manually guided machine operations. W. N. Bray. 2,494,688, Jan. 17.
Wound core. C. C. Horstman and J. H. Bramble. 2,495,167, Jan. 17.
Woven fabric. H. Crawshaw. 2,494,646, Jan. 17.
Wrapper, Composite commodity. S. Rosen. 2,494,965, Jan. 17.
Zinc condenser. E. C. Handwerk and G. T. Mahler. 2,494,551, Jan. 17.
Zinc vapor, Condensing. G. T. Mahler and E. C. Handwerk. 2,494,552, Jan. 17.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 17, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 4: 2,495,009
18: 2,494,694
2— 177: 2,495,041
230: 2,494,927
268: 2,495,028
278: 2,494,668
322: 2,495,029
338: 2,495,187
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4— 3: 2,495,201
57: 2,494,555
159: 2,494,957
235: 2,494,813
5— 86: 2,494,591
348: 2,495,124
6— 11: 2,494,907
8— 106: 2,494,542
9— 2: 2,494,763
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12— 20: 2,494,578
41: 2,494,668
146: 2,494,786
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15— 208: 2,495,066
16— 35: 2,494,696
86: Re.23,191
128: 2,494,789
163: 2,494,682
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33— 31: 2,494,557
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683.4: 2,494,867

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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D20— 4: Des. 156,901
D25— 1: Des. 156,863
D29— 2: Des. 156,866
23: Des. 156,900

D35— 2: Des. 156,876
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D92— 1: Des. 156,904
Des. 156,920
Des. 156,926
D93— 2: Des. 156,923

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Trade-Marks	13—No.	443,696 to No.	443,708, inclusive
T. M. (Act of 1946)	219—No.	520,120 to No.	520,338, inclusive
T. M. Renewals	62		
Plant Patents	4—No.	913 to No.	916, inclusive
Patents	475—No.	2,495,203 to No.	2,495,677, inclusive
Designs	91—No.	156,930 to No.	157,020, inclusive
Total	864		

Patents expiring: Patent Numbers 1,894,936 to 1,895,434, inclusive, and Plant Patent Number 53, issued January 24, 1933, expire January 24, 1950

Condition of Applications Under Examination at Close of Business Jan. 6, 1950

Total number of patent applications awaiting action, 140,250. Date of oldest new application, January 30, 1948; date of oldest amended application, December 9, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	2-14-49	5-22-48	2645
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	10-4-48	1-10-48	2580
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	7-6-49	7-9-49	724
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	9-17-48	12-9-47	2818
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	4-8-49	5-28-48	1571
6. SURLE, H., Carbon Chemistry (part)	4-22-49	2-4-49	1528
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	4-28-49	4-23-49	1349
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-21-48	2-24-48	2365
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-4-48	4-13-48	2301
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-14-49	1-3-49	1318
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	1-5-49	7-6-48	2019
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-25-49	3-18-48	1772
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	4-15-48	6-8-48	1823
14. MANIAN, Joseph C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	4-2-49	12-18-48	1206
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-6-49	11-18-48	1669
16. LOVEWELL, N. N., Television; Telephony	4-16-49	10-19-48	1133
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	8-25-48	2-2-48	2286
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	12-15-48	5-4-48	2513
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-11-49	8-2-48	1804
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	1-19-49	4-12-48	1958
21. MADER, R. C., Textiles	10-27-48	9-30-48	1454
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	7-6-48	5-19-48	1294
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-27-49	10-4-48	912
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	2-3-49	2-1-49	2623
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	10-2-48	9-4-48	1669
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	4-19-49	4-5-49	983
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-9-48	1-10-48	3147
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	3-19-49	8-12-48	1842
29. HABECKER, Leon B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-5-48	4-12-48	3107
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	5-2-49	5-2-49	1762
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-23-49	4-27-49	2060
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-31-49	11-23-48	1751
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements.	7-30-48	4-22-48	3980
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	1-6-49	9-3-48	1176
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	11-20-48	1-20-48	2260
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	2-10-48	1-30-48	1945
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-29-49	8-12-48	1144
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	3-4-49	1-13-49	1555
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	4-1-49	1-30-48	3043
40. DRUMMOND, E. J., Receptacles (part); Packages	4-1-49	7-2-48	3292
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-5-49	2-16-48	2112
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	9-18-48	7-16-48	2222
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers.	4-2-49	2-15-49	1000
44. HARVEY, L. P., Beds; Chairs, Seats	6-18-48	2-9-48	2103
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-1-49	8-6-48	2390
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-26-48	6-9-48	1550

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 140,250. Date of oldest new application, January 30, 1948; date of oldest amended application, December 9, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-9-49	10-6-48	2069
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	4-9-49	7-17-48	1360
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	9-30-48	6-1-48	2149
50. LEVIN, SAMUEL, Synthetic Resins	5-11-49	3-5-49	1821
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-12-49	1-4-49	1375
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	10-18-48	4-22-48	3755
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-2-49	8-16-48	1760
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-22-49	11-12-48	1176
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	4-8-49	1-8-49	1545
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	4-14-49	1-7-49	1939
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	3-1-49	5-12-48	1925
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-28-49	5-25-48	1745
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-24-49	12-10-48	1207
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	6-4-49	11-26-48	1020
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	1-30-48	2-19-48	2550
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-22-49	6-4-48	2580
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	2-2-49	1-13-49	2054
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-8-49	6-10-49	1588
65. GLEICHMAN, W. C. (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	4-11-49	7-24-48	2081
66. LISANN, I., Geometrical Instruments	1-10-49	2-2-48	1698
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-8-49	11-2-48	1654
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-14-49	3-2-49	1320
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	4-14-49	4-6-48	2073
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-14-49	11-5-48	2072
DIRECTOR: BREHM, G. L.	5-17-48	6-20-49	5978

Total number of trade-mark applications awaiting action (including renewals and republications), 27,200. Date of oldest new application, Dec. 1, 1948; date of oldest amended application, Nov. 12, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	1-3-49	1-7-49	4730
2. KASCHUB, H. E., Class 46	1-24-49	1-13-49	3859
3. SUMMERS, G. S., Classes 21, 23, 26	1-3-49	2-7-49	3264
4. BARR, E., Classes 3, 7, 29, 40, 41, 42, 43	12-1-48	11-12-48	4451
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	1-3-49	1-3-49	3443
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	1-7-49	4-12-49	3955
7. KEYS, O. M., Classes 2, 16, 19, 36, 55	1-7-49	1-5-49	2976
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-8-49	11-22-49	256
	11-15-49	11-22-49	266

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

KINGSLAND *v.* DORSEY

No. 53. Decided November 21, 1949

[83 USPQ 330]

1. CERTIORARI—REVIEW OF PROCEEDINGS UNDER SEC. 487 R. S.—ATTORNEYS—DISBARMENT.

Where the Commissioner of Patents acting under the provisions of Sec. 487 R. S. (35 U. S. C. 11) found after hearings that an attorney had been guilty of gross misconduct and entered an order barring him from practice before the United States Patent Office, and where the district court reviewing the order affirmed the action of the Commissioner, but the court of appeals reversed, a majority of that court thinking that the notice of charges was inadequate and the proceedings before the Commissioner unfair, *Held*, that, having serious doubts as to whether the court of appeals acted properly in nullifying the Commissioner's order, we granted certiorari.

2. SAME—SAME—SAME—SAME.

Held that the statute under which the Commissioner acted represents congressional policy in an important field, and it was the Commissioner not the courts that Congress made primarily responsible for protecting the public from the evil consequences that might result if practitioners should betray their high trust.

3. ATTORNEYS—RELATION TO PATENT OFFICE—HIGHEST DEGREE OF CANDOR AND GOOD FAITH REQUIRED.

Held, we agree with the following statement made by the Patent Office Committee on Enrollment and Disbarment: "By reason of the nature of an application for patent, the relationship of attorneys to the Patent Office requires the highest degree of candor and good faith; in its relation to applicants, the Office * * * must rely upon their integrity and deal with them in a spirit of trust and confidence * * *."

4. SAME—DISBARMENT — FINDINGS — SUBSTANTIAL EVIDENCE.

Held that the findings were amply supported whether the measure be "substantial evidence" or "substantial probative evidence."

5. SAME—SAME—SAME—SAME.

Held that the judgment of the court of appeals is reversed and that of the district court affirmed.

ON WRIT of certiorari to Court of Appeals for the District of Columbia. Petition by Vernon M. Dorsey against Lawrence C. Kingsland, Commissioner of Patents, to review disbarment order. On writ of certiorari to review judgment granting petition. Reversed; Mr. Justice JACKSON, with whom Mr. Justice FRANKFURTER joins, dissenting with opinion.

REVERSED.

Robert L. Stern (*Philip B. Perlman*, *H. G. Morison*, *Paul A. Sweeney*, *Melvin Richter*, and *Roy C. Hackley* on the brief) for petitioner.

William E. Leahy (*William J. Hughes, Jr.*, and *James F. Reilly* on the brief) all of Washington, D. C., for respondent.

PER CURIAM.

[1] Acting under the provisions of § 487 of the Revised Statutes (35 U. S. C. § 11), the Commissioner of Patents found after hearings that petitioner, an attorney, had been guilty of gross misconduct, and entered an order barring him from practice before the United States Patent Office. Pursuant to authority granted by the same provisions, the district court reviewed the Commissioner's order. Concluding that the hearings had been fairly conducted after due notice of charges and that there was substantial evidence to support the findings and action of the Commissioner, the district court affirmed the order, 69 F. Supp. 788, 72 USPQ 405. The court of appeals reversed, 173 F.2d 405, 80 USPQ 186. A majority of that court thought the notice of charges inadequate and the proceedings before the Commission unfair. It also held that the district court had too narrowly restricted its scope of review in holding that substantial evidence was sufficient to support the findings. It apparently drew a distinction between the phrases "substantial evidence" and "substantial probative evidence." Measuring the findings by the latter phrase, it held that the Commissioner's findings were not supported by "substantial probative evidence." Judge Edgerton, dissenting, thought the hearings had been fairly conducted and "the result just." He agreed with the district court that "substantial evidence" would have been sufficient but went on to say that he thought the "proof conclusive."

[2], [3] The statute under which the Commissioner acted represents congressional policy in an important field. It relates to the character and conduct of "persons, agents, or attorneys" who participate in proceedings to obtain patents. We agree with the following statement made by the Patent Office Committee on Enrollment and Disbarment that considered this case: "By reason of the nature of an application for patent, the relationship of attorneys to the Patent Office requires the highest degree of candor and good faith. In its relation to applicants, the Office * * * must rely upon their integrity and deal with them in a spirit of trust and confidence * * *." It was the Com-

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missioner, not the courts, that Congress made primarily responsible for protecting the public from the evil consequences that might result if practitioners should betray their high trust.

Having serious doubts as to whether the court of appeals acted properly here in nullifying the Commissioner's order, we granted certiorari.

[4] After an examination of the record we are satisfied that the findings were amply supported whether the measure be "substantial evidence" or "substantial probative evidence." The charge of unfairness in the hearings is, we think, wholly without support.

[5] Since the narration of evidence and discussion of the proceedings sufficiently appear in the district court's opinion, reiteration here can serve no good purpose either for the parties or for the law.

The judgment of the court of appeals is reversed and that of the District Court affirmed.

It is so ordered.

Mr. Justice DOUGLAS took no part in the consideration or decision of this case.

REVERSED.

Mr. Justice JACKSON, whom Mr. Justice FRANKFURTER joins (dissenting).

I agree that the privilege of practicing before the Patent Office is one that may and should be withdrawn for professional misconduct. In defense of his privilege it also is true that the lawyer may not demand that conclusiveness of proof or invoke all of the protections assured to an accused by the criminal process. But while society may expect that his judges will show him no favor because he has lived respectably for eighty years and devoted fifty-nine of them to practice of his profession without blemish, an accused lawyer may expect that he will not be condemned out of a capricious self-righteousness or denied the essentials of a fair hearing.

The court below thought Dorsey had not been fairly judged and indignantly reversed his disbarment. *Dorsey* v. *Kingsland*, 173 F.2d 405, 80 USPQ 186. All questions of fact seem to have been resolved against Dorsey by his departmental triers, and I shall not here review all of those issues, even if on some of them Dorsey would seem entitled to prevail. Accepting the findings against him at their full face value, I think the disbarment order was properly set aside.

Back in 1926 the Hartford-Empire Co. conceived and executed a scheme to prepare and publish, over the signature of an apparently disinterested labor leader, an article to be published and then used in support of the company's pending patent application. Such a dissertation, entitled, "Introduction of Automatic Glass Working Machinery; How Received by Organized Labor," was prepared. It purported to be authored by one Clarke, president of a glass workers' union. It was published in a trade journal and then presented to the Patent Office as recognition by a "reluctant witness" of the success of the device under consideration. Several years later, involved in litigation testing the validity of its patent, Hartford-Empire took steps to suppress evidence of the real authorship of the Clarke essay. It made a gift of $8,000 to Clarke, who had told investigators employed by Hartford-Empire's adversary that he had written the article and would so testify if called upon as a witness. Ultimately, this Court reviewed the actions of Hartford-Empire and held that the sum total of acts attributable to it constituted a fraud on the Patent Office and the Federal courts. *Hazel-Atlas Glass Co.* v. *Hartford-Empire Co.*, 322 U. S. 238, 61 USPQ 241, reversing 137 F.2d 764, 58 USPQ 348. See also *United States* v. *Hartford-Empire Co.*, 46 F. Supp. 541, 55 USPQ 14.

Dorsey was one of counsel for Hartford-Empire in the 1926 patent application and, shortly following our decision in Hazel-Atlas, supra, proceedings to suspend or exclude him from further practice before the Patent Office were commenced under 35 U. S. C. § 11. Identical but separate proceedings were instituted against three other members of the patent bar involved in the transactions. All were disbarred. Only the Dorsey case is here.

Dorsey was charged with gross misconduct in that, as particularized in the notice which instituted the proceeding, he "* * * participated in the preparation of [the Clarke] article and/or the presentation thereof to the United States Patent Office during the prosecution of said patent application knowing that said article was not written by said William P. Clarke, and with the purpose of deceiving the Patent Office as to the authorship of said article and influencing the action of the Patent Office on said application. * * *"

A view of the facts least favorable to Dorsey indicates that he inspected and criticized a few details of an early draft of the Clarke article and that later, with knowledge that it had been prepared by a Hartford-Empire employee, he submitted it to the Patent Office as being what on its face it purported to be. This is the long and the short of the case against Dorsey. The case against Hartford-Empire, however, included much in which Dorsey is not shown to have had even a consenting part. In two respects only are his actions urged to be wrongdoing: first, in that he deceived the Patent Office as to the real author, and, second (not charged in the notice but advanced here), that Dorsey represented it as the work of a "reluctant witness."

While it is not decisive of the narrow issue of deception pressed against Dorsey, it should be noted as showing how narrow that issue really is, that it includes no claim that any statement in the Clarke article is false or misleading in any respect whatsoever. It stated facts truthfully, facts which a patent lawyer was entitled to bring to the attention of the Patent Office in any manner permitted by its practice. One might expect that the Patent Office would have required facts on which it issued a patent to be proved by affidavits whose truthfulness is encouraged, if not assured, by sanctions against perjury; but it was content to accept unsworn publications for its purposes. The worst that can be said of Dorsey is that he took advantage of this

loose practice to use a trade journal article as evidence, without disclosing that it was ghost-written for the ostensible author.

Let us suppose the Patent Office had exacted more lawyerly standards of proof and had required such information to be laid before it in affidavit form. Clarke, let us say, was prevailed upon to make a deposition. Would it be deceit if the lawyer drafted every word of the affidavit, though it purported to be Clarke's testimony? I suppose that the practice is almost universal that the lawyer ascertains to what facts the witness can testify and puts them in presentable form and suitable words, and that the witness adopts the document as his testimony, with any correction necessary to convey his story. Nothing on the face of the usual affidavit discloses the fact that the composition is that of the attorney; on the contrary, it generally recites that it is the witness who "deposes and says * * *." Is a different standard to be applied to a trade journal article intended and accepted to serve the same end?

I should suppose that, so far as the law is concerned, one may as effectively father statements by adoption as by conception and that sincerely subscribing to what another has written for him does not constitute legal deceit or grounds for disbarment, impeachment or other penalty. And in this case, not only is there no claim that the Clarke article contained one false statement, but there is no denial that, whoever was the scribe, Clarke believed and knowingly adopted as his own every word of it.

I should not like to be second to anyone on this Court in condemning the custom of putting up decoy authors to impress the guileless, a custom which as the court below cruelly pointed out flourishes even in official circles in Washington. Nor do I contend that Dorsey's special adaptation of the prevailing custom comports with the highest candor. Ghost-writing has debased the intellectual currency in circulation here and is a type of counterfeiting which invites no defense. Perhaps this Court renders a public service in treating phantom authors and ghost-writers as legal frauds and disguised authorship as a deception. But has any man before Dorsey ever been disciplined or even reprimanded for it? And will any be hereafter?

It is added, though as something of an afterthought, that Dorsey in his brief to the Patent Office characterized Clarke as a "reluctant witness." I had supposed that such adjectives were in the nature of argument or, at most, of conclusion rather than representation or warranty. The arsenal of every advocate holds two bundles of adjectives for witnesses—such ones as "reluctant," "unbiased," "disinterested," and "honest" are reserved for his own; others, such as "partisan," "eager," "interested," "hostile," and even "perjured," for those of his adversary. I have the greatest difficulty believing that a mischoice among these adjectives has deceived anyone fit to decide facts, or that in any case other than this it would subject the advocate to disbarment. But if wrong in this standard, I should think the use of "reluctant" as applied to Clarke was justified. I should not expect a union president to be other than reluctant to point out the advantages of automatic machinery which tends to throw his membership out of employment. At least I hope we have not come to the time when to urge this inference is even a makeweight in disbarment proceedings.

If, however, a lawyer is to be called upon to be the first example of condemnation for an offense so tenuous, vague and novel, the least courts should require is that the case against him be clearly proved. I shall give but two of several reasons why I think that standard was not met in this case.

First, the Patent Office committee, convened to hear the charges against Dorsey, approached its duty upon the premise that this Court's Hazel-Atlas decision established not only Hartford-Empire's guilt but also Dorsey's, unless he should clear his name. The records from that case and from *United States* v. *Hartford-Empire Co.*, supra, not only were introduced against Dorsey, who was neither a party nor of counsel in either, but were the sole evidence to support the direct case against him. The committee's recommendation was apparently based upon its conclusion that he failed in the imposed task of proving his innocence. I think this was error of a serious kind.

It should be remembered that our conclusion in that case was reached upon the total effect of many events participated in by many persons whose acts were attributable to Hartford-Empire as their principal. A considerable part was not attributable to Dorsey. The most important and prejudicial of these circumstances which incriminate Hartford-Empire, but not Dorsey, is involved in another error, which I think deprived the accused of a fair trial.

I think that Dorsey suffered prejudice again from receipt of evidence concerning Hartford-Empire's later payment to Clarke and the reliance upon that fact to find Dorsey guilty. This payment was not made as an inducement to sign the article and was made long after Dorsey's relationship to the case had ceased. The Government frankly concedes that there is no evidence it was made with the approval or even knowledge of Dorsey. The district court found, 72 USPQ 405, 415, and the court of appeals affirmed its finding, 80 USPQ 186, 194, that "There is nothing in the evidence that connects Dorsey with the payment of any money to Clarke." We are bound by these concurrent findings.

Nevertheless, evidence of this payment was received against Dorsey and was thrown in the scales against him in the decision. Referring to the payment of money to Clarke, the Patent Office committee report on which Dorsey was disbarred says:

> "Nearly six years elapsed after the article was filed in the Patent Office before other events, relevant to the conduct of these *respondents* with respect to it, occurred. These subsequent events cast their light backwardly on the activities of the *parties* during the time of preparation and filing of the Clarke article, giving added illumination with regard to the purposes, understandings, and intentions of *respondents* at that time." [Italics supplied.]

Thus it is clear that Hartford-Empire's later cor-

ruption in trying to suppress evidence, which we properly considered as a factor in deciding its case, was the decisive factor in finding Dorsey guilty, though he admittedly had no part in it. Without this misapplication of evdence, nothing in the record explains or excuses the harsh judgment of disbarment. Even though courts lean backward to avoid suspicion of partiality to men of our own profession, they should not fear to protect a lawyer against loss of his right to practice on such a record as this.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,813,731, G. Fleischel, Automatic gear shift; 1,819,237, same, Control system for automatic gear and clutch shifting assemblies; 1,838,096, same, Automatic speed changer; 2,197,301, same, Variable speed and automatically driven transmission; 2,203,296, same, Device for control and operation by fluid servo-motor; Re. 21,828, same, Progressive clutch control for automatic gear shifting systems, filed Nov. 28, 1949, D. C. Md., Doc. 4800, *Specialty Equipment & Machinery Corp.* v. *General Motors Corp. et al.* Doc. 4801, *Specialty Equipment & Machinery Corp.* v. *Zell Packard Corp.*

1,819,237. (See 1,813,731.) 1,838,096. (See 1,813,731.)

1,849,624, 1,849,873, M. Hochstadter, High-tension cable; 2,021,998, same, Electric cable installation; 1,915,743, G. Meerbeck, Installation of underground electric cables; 2,054,046, W. Vogel, Underground electric power transmission by electric cables; 2,079,856, Hochstadter & Vogel, Electric cable installation, filed Oct. 29, 1949, D. C., N. D. Calif. (San Francisco), Doc. 29253–R, *Prontona Corp.* v. *General Cable Corp.*

1,849,873. (See 1,849,624.) 1,915,743. (See 1,849,624.)

1,966,273. (See 2,188,942.) 2,021,998. (See 1,849,624.)

2,054,046. (See 1,849,624.)

2,072,349, H. N. Wayne, Mold and method of molding, D. C., N. D. Ohio (Cleveland), Doc. 25656, *The Nye Rubber Co.* v. *V. R. R. Rubber Co.* Patent held valid and infringed, injunction granted Nov. 28, 1949.

2,079,856. (See 1,849,624.)

2,119,428, L. G. Englar, Protective electrical receptacle plate, filed Oct. 24, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10471–PH, *Marvin Products, Inc.* v. *L. G. Englar et al.*

2,188,942, J. B. Elsen, Container closure; 1,966,273, O. I. Waring, Seal for containers and method of producing same, filed Nov. 25, 1949, D. C., S. D. N. Y., Doc. 54/38, *Ferdinand Gutmann & Co.* v. *General Foods Corp. et al.*

2,197,301. (See 1,813,731.) 2,203,296. (See 1,813,731.)

2,257,072, D. L. Coombs, Colonic irrigator, D. C., N. D. Calif. (San Francisco), Doc. 26018–R, *D. L. Coombs* v. *R. W. DeWeese et al.* Dismissed for lack of prosecution Oct. 10, 1949. Doc. 26262–R, *D. L. Coombs* v. *G. Maxwell et al.* Decree as above.

2,279,534, Sidebotham & Himes, Method and machine for making and collapsing paper boxes, filed Nov. 18, 1949, D. C., S. D. N. Y., Doc. 53/379, *Nolos Co. of America* v. *Shomer-Majestic Box Corp.*

2,324,292, A. J. Dremel, Hand sander, filed Nov. 23, 1949, D. C., E. D. Mich. (Detroit), Doc. 8681, *Dremel Mfg. Co. et al.* v. *Syncro Corp. et al.*

2,382,616, L. del Riccio, Photographic method, D. C., N. D. Calif. (San Francisco), Doc. 28484–H, *Photo Patrol, Inc., et al.* v. *Thorobred Photo Service, Inc., et al.* Dismissed Sept. 29, 1949.

2,452,529, 2,452,530, J. L. Snoek, Magnet core; 2,452,531, same, Process of manufacturing a magnetic material, and magnetic core, suit for declaratory judgment filed Nov. 25, 1949, D. C., S. D. N. Y., Doc. 54/45, *General Ceramic & Steatite Corp.* v. *Philips Laboratories, Inc.*

2,452,530. (See 2,452,529.) 2,452,531. (See 2,452,529.)

2,487,339, V. M. & C. Kindlund, Device for embracingly holding gloves, filed Nov. 25, 1949, D. C., S. D. N. Y., Doc. 54/35, *Abon Mfg. Co., Inc.* v. *Klik Promotions, Inc.* Same, D. C. N. J. (Newark), Doc. 963/49, *Klik Promotions, Inc.* v. *Kindlund et al.*

2,488,957, H. G. Booth, Button covering device, filed Nov. 25, 1949, D. C., S. D. N. Y., Doc. 54/39, *David Traum Co., Inc.* v. *John Dritz & Sons.*

Re. 21,828. (See 1,813,731.)

Des. 145,344, C. R. White, Toy figure, filed Nov. 17, 1949, D. C., S. D. N. Y., Doc. 53/363, *Knickerbocker Plastic Co., Inc.* v. *Playmore, Inc., et al.*

Des. 150,694, R. B. Hardman, Overshoe, filed Oct. 15, 1949, D. C., N. D. Calif. (San Francisco), Doc. 29219–G, *R. B. Hardman* v. *Eculite Corp. et al.*

Des. 151,732, W. G. Bley, Lady's stocking, filed Nov. 25, 1949, D. C., E. D. Pa., Doc. 10348, *Sanson Hosiery Mills, Inc., et al.* v. *Jane Dale Hosiery Sales Co. et al.* Same, filed Nov. 23, 1949, D. C. N. J. (Newark), Doc. 967/49, *Sanson Hosiery Mills, Inc., et al.* v. *McCrory Stores Corp.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 34,662. (See T. M. 128,351.)

T. M. 44,995. (See T. M. 128,351.)

T. M. 128,351, Crown Overall Mfg. Co., Overalls; T. M. 199,341, same, Overalls and union-suit working garment; T. M. 34,662, T. M. 44,995, Cluett, Peabody & Co., Collars and cuffs, filed Oct. 24, 1949, D. C., N. D. Calif. (San Francisco), Doc. 29241–G, *The Crown Overall Mfg. Co.* v. *Crown Mfg. Co. et al.*

T. M. 199,341. (See T. M. 128,351.)

T. M. 351,850, Pro-phy-lac-tic Brush Co., Dental plate powder, D. C. N. J. (Trenton), Doc. 9674, *Pro-phy-lac-tic Brush Co.* v. *Hudson Products, Inc.* Judgment dismissing complaint, and holding non-infringement Nov. 21, 1949.

NOTICES

Adjudicated Patents

(D. C. Minn.) McCornack Patent No. 1,859,213, for an apparatus for milking. Claims 4, 5, 7, 13, 16, and 23 *Held* valid and infringed. Claim 6 *Held* valid and not infringed. Claim 19 *Held* invalid. *Babson Bros. Co.* v. *Perfection Mfg. Corp.*, 86 F. Supp. 754; 83 USPQ 103.

(D. C. Ill.) Brenn Patent No. 2,082,730, for a manifolding device, *Held* invalid. *Autographic Register Co.* v. *Uarco, Inc.*, 86 F. Supp. 730; 82 USPQ 152.

(D. C. Ill.) Brenn Patent No. 2,159,500, for manifolding, *Held* invalid. *Id.*

(C. A. N. Y.) Allnutt Patent No. 2,168,756, for acid resist powder for use in etching. Claims 1–5, and 9 *Held* invalid and not infringed. *Philip A. Hunt Co.* v. *Mallinckrodt Chemical Works*, 177 F.2d 583; 83 USPQ 277.

(D. C. Ill.) Brenn Patent No. 2,212,174, for manifolding, *Held* invalid. *Autographic Register Co.* v. *Uarco, Inc.*, 86 F. Supp. 730; 82 USPQ 152.

(D. C. Mich.) Crampton Patent No. 2,233,159, for a handle and operating lever assembly for flushing tanks. Claims 1, 11, 12, and 13 *Held* valid and not infringed. *Crampton Mfg. Co.* v. *Durable Products Co.*, 86 F. Supp. 748; 83 USPQ 209.

(D. C. Ill.) Johnson Patent No. 2,258,573, for manifolding pack, *Held* invalid. *Autographic Register Co.* v. *Uarco, Inc.*, 86 F. Supp. 730; 82 USPQ 152.

(D. C. Mass.) Gilman Patent No. 2,449,935, for a toy football dummy, *Held* invalid. *Gilman* v. *Kestral Corp.*, 86 F. Supp. 765; 83 USPQ 164.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,406,319, L. A. Brooks and M. Nazzewski, Insulated electrical conductor, decided Sept. 16, 1949, claim 9.

Pat. 2,446,810, L. W. Cook, Electric blanket and control therefor, decided Dec. 21, 1949, claims 1, 2, 3, 4, and 7.

Pat. 2,451,619, R. J. Hengstebeck and R. S. McDaniel, Catalytic conversion process, decided Dec. 20, 1949, claims 1, 2, and 5.

Pat. 2,468,686, N. E. Sax, Buffing wheel, decided Dec. 27, 1949, claims 1, 2, 3, 4, and 7.

Disclaimers

2,396,112.—*Harry C. Morgan*, Dayton, Ohio. RADIO NAVIGATION SYSTEM AND METHOD. Patent dated Mar. 5, 1946. Disclaimer filed Dec. 23, 1949, by the assignee, *Curtis Automotive Devices, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 6, and 7 of said patent.

2,406,319.—*Lester A. Brooks*, Stamford, Vt., and *Mathew Nazzewski*, Adams, Mass. INSULATED ELECTRICAL CONDUCTOR. Patent dated Aug. 27, 1946. Disclaimer filed Dec. 19, 1949, by the assignee, *Sprague Electric Company.*

Hereby enters this disclaimer to claim 9 of said patent and disclaims from the scope of claims 7 and 8 of said patent the subject matter defined by said claim 9.

Cancellation Notice

California Wine Products Corporation, its assigns or legal representatives take notice:

A cancellation proceeding has been instituted by this Office upon the petition of De La Salle Institute, Napa, Calif., to effect the cancellation of trade-mark registration of California Wine Products Corporation, No. 362,830, dated November 29, 1938. The assignment records of this Office show a transfer of title to this registration to Ernest Aguirre, 1819 Broadway, New York, N. Y., who has been substituted for said California Wine Products Corporation to defend the registration concerned. The notice of such proceeding sent by registered mail to said Ernest Aguirre, at his address of record, 1819 Broadway, New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said California Wine Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,482,909. MAGNETIC HAMMER. Patented Sept. 27, 1949. Hammer has a magnetized metallic head with a cross-shaped recess having a circular bore in one of two driving faces to hold nails or staples in position for driving. User may place and drive in a staple or nail by the use of only one hand. Recess can be made of various diameters for various sized staples. A removable ball pin may be inserted in recess if desired to use the hammer as a ball or machinist's hammer. (Owner) Lonie M. Herts, R. R. 3, Box 14, Farmington, Mo. Group 33—52. Reg. No. 33,367.

Pat. 2,472,887. PLASTERBOARD HOIST. Patented June 14, 1949. Hoist is designed to assist workman in applying plasterboard to a ceiling. An upright tubular standard is attached to center of a movable base platform. Fastened to top of standard are parallel plates, on which are mounted tubular spacers. A second standard is slidably mounted in a sleeve intermediate the plates and has a fastener at lower end to which the cable of a winch is coupled. A platform at upper end of second standard has pivoted leaves on opposite ends. A rack pivoted to a T-coupling on underside of platform is operated by the winch to raise or lower the platform. (Owner) Elsie D. Core, 3309 22nd Ave., Sacramento 17, Calif. Group 35—62—69. Reg. No. 33,368.

Pat. 2,480,288. SIGNAL MAIL BOX. Patented Aug. 30, 1949. Device for apartment house mail boxes flashes a signal in apartment when mail is deposited in box. Device may be installed in ordinary multiple lock mail boxes. A plunger in each compartment actuates an electric switch connected to a signaling lamp in corresponding apartment. A manually slidable plate normally holds plunger out of contact with switch. Plate (which in raised position is accessible only by postman's key) is pushed downward to insert mail. This releases spring-pressed plunger and closes the circuit. Lamp remains lighted in apartment until plate (released by tenant's key) is pushed upward to remove the mail. (Owner) Michael Donadio, 158 Waverly St., Yonkers, N. Y. Group 36—62. Reg. No. 33,369.

Pat. 2,480,546. POWER SAW FILING BENCH. Patented Aug. 30, 1949. Apparatus for filing, gaging, and jointing chain saws. A frame has two vertical parts provided with track rails. A saw is mounted upon pulleys and in the trackway. A carriage slidably mounted on the rails has two pairs of slotted vertical arms with an operating handle above and between each pair. The parts are bolted in position locking a section of the saw to be worked upon. A tool is positioned in the carriage, and by means of the handle the carriage is moved backward and forward from one end of frame to the other. (Owners) Samuel B. Bryson and Mary E. Bryson, 1606 Arthur St., Klamath Falls, Oreg. Groups 33—54; 35—41. Reg. No. 33,370.

Pat. 2,476,663. ELECTRIC IRON HAVING REVOLVING DISKS IN PRESSING SURFACE. Patented July 19, 1949. A pair of spaced depending sleeves are attached to a supporting bar which extends longitudinally of the iron. Shafts rotatably journaled in the sleeves have a pair of oppositely rotating ironing disks of different sizes mounted on lower ends, flush with ironing surface. Intermeshing gears attached to each shaft have cooling fan blades on the bottom of each. Small electric motor connected to larger gear has a speed control and operating switch on the handle. (Owner) John Allan Holden, Box 366, Cassville, Mo. Group 36—21. Reg. No. 33,371.

Pat. 2,481,325. SELF-LOCKING MOUNTABLE FASTENER MEMBER. Patented Sept. 6, 1949. This self-locking fastener may be assembled with another member by pushing in contact therewith. A tubular metal shell inclined outwardly has a surface-waved marginal border with a self-locking curved cut edge. Annular flange at lower end has opening in which projects a downwardly extending prong to engage a workpiece and prevent rotation. (Owner) E. A. Miller, 11 Old Elm Road (Fld.), Bridgeport 29, Conn. Group 35—43—69. Reg. No. 33,372.

Pat. 2,454,585. FLUSHING DEVICE FOR ENGINE LUBRICATING SYSTEMS. Patented Nov. 23, 1948. A method of cleaning an engine crankcase. Cleaning fluid is supplied to crankcase continuously by withdrawing fluid from the crankcase while returning cleansed fluid at a rate sufficient to maintain the quantity constant. Circulation of fluid in the crankcase is promoted by running the engine and cleansing withdrawn fluid preparatory to its return to crankcase and intermittently releasing entrapped oil from the circulatory cleaning fluid. (Owner) Elbert N. Alderman, Box 7, Santee, Calif. Groups 35—19—21; 38—31. Reg. No. 33,373.

Pat. 2,469,610. NONDETRUDABLE SAFETY LOCK. Patented May 10, 1949. Night latch has a bevel-faced, spring-pressed latch bolt automatically operable in conjunction with a keeper to prevent the bolt from being forced into the lock housing by a tool inserted in the normal clearance between a closed door and jamb. Lock includes a conventional thumb-actuated catch attached to inside of door and spring-pressed bolt movable to inoperative position by a knob. Lock is held either open or closed by the usual thumb-catch knob. (Owner) Rafael Rocha, P. O. Box 1302, Federal Station, Portland 7, Oreg. Group 33—59. Reg. No. 33,374.

Pat. 2,365,157. HYDRAULIC POWER TRANSMISSION FOR PRESSES. Patented Dec. 19, 1944. Hydraulic transmission for presses of the rapid reciprocating head type. A pair of spring-pressed plungers in cylinders are urged into contact with a rotating cam which causes the plungers to reciprocate alternately. Piston rod in work cylinder slides in conduits connecting pump cylinders with opposite ends of work cylinder. A low pressure rotary pump supplies pressure to a manually operated distributing valve and supplies fluid to the work cylinder for starting and stopping the automatic operation of piston at will of operator. (Owner) Robert Von Rotz, 43 Payne-Whitney Lane, Manhasset, N. Y. Group 35—42—69. Reg. No. 33,375.

Pat. 2,474,969. REMOVABLE RESILIENT CLOSURE APPLICATOR AND COVER FOR LOCKING THEREWITH. Patented July 5, 1949. An applicator and closure for collapsible tubes. Applicator of rubber or other pliable material has a hub part with a socket which detachably fits over the neck of a tube, a center outlet aligning with tube outlet. A pliable flange surrounding top of hub is used to spread the material as contents of tube are squeezed from outlet. A closure of plastic, metal, or the like has a stem to fit in outlet of applicator, with an enlargement which seals the outlet. A cover attached to closure stem protects the flange. (Owner) Martin E. Bengtson, 3 Gunn Square, Springfield 9, Mass. Groups 30—51; 38—73; 34—92; 39—81; 40. Reg. No. 33,376.

Pat. 2,481,725. PLAY TABLE. Patented Sept. 13, 1949. Child's play table (on four foldable legs having caster rollers) has a built-in rotatable chair in a circular opening in center, and a guard rail surrounding table top. Chair is rotatably fitted at convenient height to a pedestal attached on a platform which is stationarily suspended by straps extending downwardly and inwardly from four corners of table. Child is penned (as in a high-chair) for feeding or in reach of toys. Chair can be latched in desired positions. (Owners) Erwin R. Culley and Marie W. Culley, 8001 Ellis Ave., Chicago 19, Ill. Groups 25—11; 39—43—81. Reg. No. 33,377.

Pat. 2,461,374. RECEPTACLE-SUPPORTING RACK. Patented Feb. 8, 1949. Rack for supporting ice cream cans or other tubular receptacles within a freezing cabinet which may have an inclined floor. Rack is made of a continuous strand of wire, bar metal, or the like in parallel side rails having upwardly turning loops at rear ends to slidably hold receptacle in inclined position. Ends of rails merge downward in depending U-shaped loop at front and back to support rack above floor. (Owner) Harry W. Custer, P. O. Box 98, Center Line, Mich. Groups 33—12—49; 35—51—84. Reg. No. 33,378.

Pat. 2,483,264. REFRIGERATOR CABINET HAVING ICE-CREAM CAN SUPPORT MEANS. Patented Sept. 27, 1949. Refrigerator cabinet has a series of downwardly inclined wells for ice cream cans. The cans are supported on removable racks described in Pat. 2,461,374 (Reg. No. 33,378). (Owner) Harry W. Custer, P. O. Box 98, Center Line, Mich. Group 35—84. Reg. No. 33,379.

Pat. 2,432,924. BOTTLE CLEANER CONFORMABLE TO SHAPE OF BOTTLE. Patented Dec. 16, 1947. Cleaning device for bottles has replaceable brushes which are collapsible and expansible. Device comprises a slotted tubular handle, having an inner handle slidably mounted therein. A pair of coil springs carrying fabric or bristles are mounted on wires fastened at lower ends to bottom of outer handle, and at upper ends to bottom of inner handle by means of a pin slidable through slot of outer handle. When inner handle is pulled up, the device is easily inserted in bottle. When inner handle is pushed down, springs and brushes expand laterally to touch sides of bottle. (Owners) Jenshiro Teruya and Yuriko Nishizaka. Correspondence to Jenshiro Teruya, 108 St. Nicholas Ave., New York, N. Y. Groups 39—22; 40. Reg. No. 33,380.

Pat. 2,484,858. MARSHMALLOW ROASTER. Patented Oct. 18, 1949. Device for roasting marshmallows, wieners, and the like over open fire protects food from smoke, etc. A pair of handles are welded to a small oven. A sleeve slidable on the handles has a pair of prongs secured thereto to enter the oven and support articles to be roasted. A loop handle is provided for moving the prongs into and out of the oven. (Owner) Sylvester Schmidt, Box 134, Mukilteo, Wash. Groups 34—41—99; 39—49. Reg. No. 33,381.

Pat. 2,465,014. COMB AND LIQUID CONTAINER COMBINED. Patented Mar. 22, 1949. Pocket-type comb has a cylinder for liquid across back of comb, the open ends closed by screw caps. Inner end of cylinder extends beyond comb, forming a filler neck and handle, and may accommodate a detachable hair-curling tail. A perforated diaphragm across other end slightly inwardly of comb functions as a liquid dispenser. Liquid discharged by way of the discharge neck flows onto end of comb. (Owner) Herbert L. Feiner, 2333 Grand Ave., New York 53, N. Y. Groups 30—32; 39—81; 40. Reg. No. 33,382.

Pat. 2,474,496. SYRINGE. Patented June 28, 1949. Hypodermic syringe has depressions formed in the plunger by means of which its movement may be regulated to extrude a predetermined unit of fluid. Spaces between the depressions represent units of volume of contents of syringe. A clip on barrel of syringe has a bight portion which engages plunger and cooperates with the depressions. (Owner) Lawrence Rayman, 413 Melrose Ave., Toledo, Ohio. Group 39—15. Reg. No. 33,383.

Pat. 2,292,729. CUTTING DEVICE. Patented Aug. 11, 1942. Collapsible holder for a safety razor blade provides a device useful for stripping insulation from electric wires, as a general pocket knife, etc. Device includes a pair of spring-pressed clamping plates for removably holding a blade, the end of which is exposed. A sheath formed of similar clamping plates is pivoted to end of holder. Holder is normally encased between the plates of sheath. (Co-owner) Sterling C. Woodward, 541 Kathmere Road, Havertown, Pa. Group 33—51. Reg. No. 33,384.

Pat. 2,482,120. GRIP ON GOLF CLUBS. Patented Sept. 20, 1949. Off-center bulges are provided on the grip of golf club shaft to force player to grasp the club properly. The bulges fit the palm of player's hand, but are uncomfortable unless gripped in the prescribed manner. This insures the face of the club head being flat when it strikes the ball, tending to overcome the tendency of player to hook or slice. (Owner) Frank Mishkinis, P. O. Box 361, Westwood, Calif. Group 39—49. Reg. No. 33,385.

Pat. 2,483,472. DEVICE FOR GRINDING AND GRATING FOOD. Patented Oct. 4, 1949. Horizontally disposed chamber of this grinder has top and front openings for the insertion of food, and a rotating, motor-driven cutting disk which performs the grinding. The disk is interchangeable with others to permit a choice of shredding, grating, or pulverizing actions. A further feature of the grinder is a hand-turned crank which enables the rotating disk to be independently moved back and forth within the chamber. Ground food is discharged through an outlet on the underside of device. Both the outlet and top opening are closed by removable plugs, the front opening being provided with a replaceable cap to permit introduction of larger pieces of food to the grinder. (Owner) Carlo Matarrese, 3983 Paulding Ave., Bronx 66, N. Y. Groups 33—51; 35—51. Reg. No. 33,386.

Pat. 2,480,988. WINDOW SASH LOCK. Patented Sept. 6, 1949. The lock described in this patent enables sash to be securely locked in any selected position and is designed to be tamper-proof. A double acting swinging bolt is used in combination with a keeper which consists of a notched metal strip fixed to the window frame. The lock consists of a pair of complementary sheet metal housings, one of which is secured flush to the face of sash. A double-action swinging bolt is pivoted to the other housing and carries upper and lower bolts. The upper bolt is arranged to engage one of the notches to lock the lower sash to prevent it from being raised. A spring acts on the bolt to wedge the bolt into the notch. The lock may be used in pairs, one on each side of sash. (Owner) Albert E. Walton, P. O. Box 334, South Laguna, Calif. Groups 24—31; 33—59—83; 40. Reg. No. 33,387.

Pat. 2,429,385. PARACHUTE CANOPY AND METHOD OF MAKING SAME. Patented Oct. 21, 1947. A method of making a parachute canopy to limit the chance of rips or tears in any one seam extending to another seam in the canopy. Rectangular strips of cloth are sewed to each other in parallel relation, one of the outer strips being narrow. The connected strips are cut diagonally into triangular segments. The segments are then assembled with alternate segments having the narrow strip at their apex and transverse seams. The side edges of the segments are sewed together, with their apexes inwardly positioned and transverse seams of adjacent segments in staggered relation. (Owner) Martin Birdman, 350 Calle de Madrid, Tucson, Ariz. Group 37—21. Reg. No. 33,388.

Pat. 2,484,673. ADHESIVE TAPE CUTTER. Patented Oct. 11, 1949. Tape is enclosed within a dust-proof re-usable case having an opening provided with a guiding arm through which tape may be pulled. The tape is cut to desired length on a biased knife edge associated with the guiding arm. Hinged to the opening is a springed closure that includes a latch which keeps the opening sealed until tape is to be used. (Owner) Frank M. Becker, 526 Penn Ave., Sinking Spring, Pa. Groups 33—51—73; 39—16; 40. Reg. No. 33,389.

Pat. 2,449,109. QUICK ACTION SWITCH. Patented Sept. 14, 1948. A small permanent bar magnet is utilized in this snap switch, eliminating the use of springs as in usual switches. The magnet is positioned at an angle in a switch arm of plastic or a similar insulating material. The magnet is attracted to one of a pair of stationary magnetic members which project from the upper and lower wall of the switch housing. A clean break with a well-defined snap action is obtained when the switch arm is moved from "off" to "on" position. (Owner) Richard J. Domonkas, 196 17th St., N. W., Barberton, Ohio. Group 36—19. Reg. No. 33,390.

Pat. 2,452,452. GRAPPLE. Patented Oct. 26, 1948. Arms of grapple for a crane are pivoted together so that they are normally in open position to engage pipe, logs, or other articles to be lifted. The arms of the grapple are bent near their upper ends and lower jaws so that a main cable may have branch cables attached to the upper end. When pull is exerted on the cables, the jaws are closed and prevented from opening while an article between the jaws is being transported, for example, from a pile to a position over a truck or freight car. Teeth are provided at the lower end of the grapple for good gripping engagement. (Owner) Walt R. Girnus, North 5227 Monroe St., Spokane, Wash. Group 35—69. Reg. No. 33,391.

Pat. 2,482,838. MASSAGING DEVICE. Patented Sept. 27, 1949. Ends of a pair of superimposed identical U-shaped frames are pivoted together and also connected to a pair of L-shaped levers by springs. The L-shaped levers include a massaging arm surfaced with sponge rubber or chamois. In treatment of headaches, for example, the device is operated by the sufferer himself by applying the device to his forehead and pressing the frame together while moving the device back and forth over his temples. (Owner) Elmer R. Carlson, Galva, Ill. Group 39—16. Reg. No. 33,392.

Pat. 2,451,157. BED LAMP. Patented Oct. 12, 1948. Tubular light fixture for attaching to headboard of a bed has trackway at each end for a vertically slidable arcuate shutter. The shutter may be adjusted to various positions along the trackways to vary the amount of light radiated by the lamp. (Owner) Ralph E. Dike, 301½ South 7th St., McCook, Nebr. Group 34—81. Reg. No. 33,393.

Pat. 2,474,036. PAPERWEIGHT. Patented June 21, 1949. Paperweight has magnetic portion on its front face, which may or may not be provided with recesses adapted to support pens, pencils, paper clips, pins, etc. The body portion of the paperweight may be formed of glass or plastic. (Owner) John J. Curley, 37 Tripp Ave., Brockton, Mass. Groups 32—39; 39—81; 40. Reg. No. 33,394.

Pat. 2,412,032. DISTRIBUTION NOZZLE FOR FILTERS AND THE LIKE. Patented Dec. 3, 1946. This patent is concerned with a removable distribution nozzle which may be installed in water filters or softeners of either the high pressure or gravity type. The filter tank is provided with a false bottom having a number of internally threaded sockets. Each socket receives a distribution nozzle, relatively small in cross-section and provided with a pointed nose. The nozzles are easily withdrawn for cleaning and later re-inserted by entering the tank through a manhole under the false bottom. (Owner) James Bill, Jr., 17 Newton Ave., Woodbury, N. J. Groups 32—54; 33—61. Reg. No. 33,395.

Government Owned Patent

The following patent is owned by the United States as represented by the Secretary of the Interior by virtue of an assignment from the inventors, Albert W. Schlechten, William J. Kroll, and Leland A. Yerkes. Non-exclusive and royalty-free licenses will be granted. Inquiries concerning the patents should be directed to the Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,482,127. APPARATUS FOR REFINING METALS. Patented Sept. 20, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Apparatus for recovering zirconium from a reaction mixture and the residual salt and excess reducing agent involved in the process. The apparatus consists of a supporting base joined by a gas-tight seal to an open bottom housing, the interior of which communicates with an outlet in the base connected to a vacuum pump. A funnel is supported by the inner coil of a series of concentric tubes that extend through the outlet. Mounted on the funnel is an inverted open top reaction vessel. A container encircles the inner coil and rests on the outer coils of the concentric tubes to collect molten salt flowing from the funnel. Contents of the vessel and container are heated by an external gas burner, electrical conduction heater, or similar means. Group 35—59. Reg. No. 33,396.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 24, 1950

[VOL. 630. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 519,589. MARTIN & EDWARDS, INC., Hewlett, N. Y. Filed Mar. 26, 1947.

DOSOLAX

FOR LAXATIVES.
Claims use since 1944.

CLASS 19

VEHICLES

Ser. No. 499,905. FRANK F. LINN, doing business under the name and style of The Linn Company, Oakland, Calif., assignor to Linn Company, a corporation of California. Filed Apr. 9, 1946.

LINN LEVEL-LOAD

The words "Level" and "Load" are disclaimed apart from the mark as shown.

FOR AXLES FOR WHEELED TRAILERS.
Claims use since Nov. 15, 1945.

Ser. No. 511,322. FORD MOTOR COMPANY, Dearborn, Mich. Filed Oct. 23, 1946.

Sportsman

FOR MOTORCARS.
Claims use since Dec. 26, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 506,459. HENRY H. MANCHESTER, doing business under the firm name and style of Southern Sales Service, San Diego, Calif. Filed July 29, 1946.

VIXEN

FOR PNEUMATIC ABRASIVE SPARK PLUG CLEANERS.
Claims use since Nov. 1, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 524,626. ST. REGIS PAPER COMPANY, New York, N. Y. Filed June 21, 1947.

PANELYTE

FOR STRIPS, BAFFLES, DOOR PANELS, LINERS, AND FRAMES FOR USE IN REFRIGERATING DEVICES AND LIDS AND COVERS FOR ICE CREAM COOLERS, DEEP FREEZE UNITS, AND THE LIKE.
Claims use since May 1, 1923.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 510,357. ROSEMARIE DE PARIS, INC., New York, N. Y. Filed Oct. 5, 1946.

FOR CANDY.
Claims use since Sept. 11, 1946.

Ser. No. 515,362. CARBONELL Y COMPANIA DE CORDOBA S. A., Cordoba, Spain. Filed Jan. 7, 1947.

LA PROVIDENCIA

FOR OLIVE OIL.
Claims use since 1867.

Ser. No. 516,092. WILL E. PRATT, doing business as The Blimp Shrimp Company, National City, Calif. Filed Jan. 21, 1947.



Applicant disclaims the word "Shrimp" and the representation of the shrimp separate and apart from the mark. The lining represents an orange body, white letters, and orange, white, and blue tail.
FOR FRIED SHRIMP.
Claims use since Oct. 1, 1946.

Ser. No. 519,103. SETRAKIANS & COMPANY, Fresno, Calif. Filed Mar. 15, 1947.

DELKAR

FOR FRESH DECIDUOUS FRUITS AND FRESH GRAPES.
Claims use since 1933.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 514,725. A. O. SMITH CORPORATION, Milwaukee, Wis. Original filed, act of 1905, Dec. 23, 1946; amended to application under act of 1946, Principal Register, July 5, 1947.

HARVESTORE

FOR SILOS.
Claims use since Aug. 31, 1946.

Ser. No. 547,501. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va. Filed Jan. 19, 1948.



Applicant claims ownership of Registration No. 126,372.
FOR PAPER BAGS.
Claims use since September 1913.

Ser. No. 555,579. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Apr. 24, 1948.



FOR PAPER TOWEL CABINETS FOR HOLDING AND DISPENSING PAPER TOWELS.
Claims use since May 12, 1925.

Ser. No. 562,173. ALPAK, Los Angeles, Calif. Filed July 26, 1948.

AUTOVIDOR

FOR PAPERBOARD CARTONS USED AS CARRY-HOME BASKETS FOR BOTTLED GOODS, AND SOLD EMPTY.
Claims use since May 29, 1948.

Ser. No. 562,526. BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed July 30, 1948.

BRONCO

Applicant claims ownership of Registration No. 149,345.
FOR PAPER BAGS.
Claims use since Dec. 13, 1921.

Ser. No. 563,115. WILBERT W. HAASE CO., Forest Park, Ill. Filed Aug. 10, 1948.

PREMIER

FOR BURIAL VAULTS.
Claims use since Jan. 2, 1947.

Ser. No. 563,324. GENERAL BOX COMPANY, Chicago, Ill. Filed Aug. 13, 1948. (Sec. 2f.)

Generalock

Applicant claims ownership of Registrations Nos. 372,169, 417,757, 503,776, and 505,914.
FOR PALLET BOXES HAVING WIRE BOUND WOODEN SIDES FOLDED AROUND A WOODEN PALLET BOTTOM TO FORM A BOX WITH INTERLOCKING CORNERS FOR RECEIVING GOODS FOR SHIPPING AND STORING, AND WIRE BOUND BOXES AND WIRE BOUND CRATES HAVING WIRE REINFORCED WOODEN SIDES AND WOODEN BOTTOMS AND COVERS, TO CONTAIN GOODS FOR SHIPPING AND STORING.
Claims use since Aug. 2, 1940.

Ser. No. 564,565. GAYLORD CONTAINER CORPORATION, St. Louis, Mo. Filed Sept. 2, 1948. (Sec. 2f.)

Gaylord

Applicant claims ownership of Registrations Nos. 206,963, 260,507, 359,110, and 360,915.
FOR PAPER BAGS AND SACKS; CONTAINERS OF ALL KINDS MADE OF PAPER, SOLID FIBERBOARD, CORRUGATED FIBERBOARD OR COMBINATIONS OF WOOD AND SOLID FIBERBOARD OR CORRUGATED BOARD; AND FIBERBOARD LINERS FOR CONTAINERS.
Claims use since Mar. 20, 1935, on paper bags and sacks; since Dec. 1, 1920, on containers of all kinds made of paper, solid fiberboard and corrugated fiberboard; since Apr. 22, 1929, on containers of all kinds made of combinations of wood and solid fiberboard or corrugated board; and since Oct. 10, 1928, on fiberboard liners for containers.

Ser. No. 569,866. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Dec. 3, 1948.

TUNDRA

FOR COMPACTS AND LIPSTICK HOLDERS, SOLD EMPTY IN THE TRADE.
Claims use since Nov. 1, 1948.

Ser. No. 571,633. CLARK METAL PRODUCTS, INC., Fairfield, Conn. Filed Jan. 5, 1949.

Close-ter

FOR METAL COASTERS OF THE RIMMED DISK TYPE FOR DRINKING GLASSES.
Claims use since Dec. 27, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 568,271. PHILADELPHIA BRIEF CASE CO., Philadelphia, Pa. Filed Nov. 5, 1948.

Philadelphia "ENDURO" Handle

No claim is made to the words "Philadelphia" and "Handle" except in the association shown.
FOR HANDLES FOR LUGGAGE.
Claims use since 1933.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 568,814. UNITED LABORATORIES CO., Linden, N. J. Filed Nov. 15, 1948.

Plascor

FOR BUFFING AND POLISHING COMPOUND FOR USE ON PLASTIC SURFACES.
Claims use since June 15, 1935.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 529,932. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J. Filed July 29, 1947.

DRYTEX

Applicant claims ownership of Registration No. 336,434.
FOR PROCESSING FLUIDS FOR TREATING HATS, SILK, WOOL, COTTON FABRICS AND ALL TYPE YARNS, ARTIFICIAL FABRICS, PAPER, CELLULOSE PAPER, FURS, CLOTHING, FOR RENDERING THEM WATER REPELLENT.
Claims use since Apr. 10, 1933.

Ser. No. 557,486. WHITTAKER, CLARK & DANIELS, INC., New York, N. Y. Filed May 20, 1948. (Sec. 2f.)

WHITTAKER

The drawing is lined for red.
FOR PIGMENTS, DYES, AND CHEMICALS HAVING A GENERAL USE IN THE INDUSTRIAL ARTS—NAMELY, ULTRAMARINE BLUE, PHTHALOCYANINE BLUE, CALCIUM CARBONATE, CALCIUM HYDROXIDE, CALCIUM OXIDE, CALCIUM STEARATE, CALCIUM SULFATE, CHALK, CLIFFSTONE WHITING, COSMETIC COLORS, GREEN CHROMIUM OXIDE, POWDERED FLUORSPAR, HYDRO MAGMA, MAGNESIUM CARBONATE, MAGNESIUM HYDROXIDE, MAGNESIUM OXIDE, MAGNESIUM SILICATE, MAGNESIUM STEARATE, MAGNESITE, STEARIC ACID, TALC, TITANIUM DIOXIDE, ZINC OXIDE, ZINC STEARATE.
Claims use since 1919.

Ser. No. 564,956. NATIONAL TEXTILE & CHEMICAL LABORATORY, Illiopolis, Ill. Filed Sept. 10, 1948.

LOCKED-IN

FOR LAUNDRY STARCH.
Claims use since Mar. 15, 1948.

Ser. No. 570,525. UNITED MERCHANTS AND MANUFACTURERS, INC., Wilmington, Del., and New York, N. Y. Filed Dec. 14, 1948.

CLEARIGHT FINISH

Applicant disclaims exclusive right to use of the word "Finish" per se, but does claim exclusive right to the use of the word "Finish" in association with the word "Clearight" as shown.
FOR RESINOUS IMPREGNATING AGENTS USED TO STABILIZE COTTON, RAYON, OR ACETATE TEXTILE FABRICS AND COMBINATIONS THEREOF.
Claims use since July 12, 1948.

Ser. No. 572,113. NOVA CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 13, 1949.

NOVA

Applicant claims ownership of Registration No. 305,701.
FOR DYESTUFFS AND OTHER COLORING MATTERS FOR USE IN COLORING VARIOUS MATERIALS, AND OILS AND CHEMICAL PREPARATIONS USED AS DYE ASSISTANTS.
Claims use since Mar. 13, 1933.

CLASS 7

CORDAGE

Ser. No. 576,498. KORDITE CORPORATION, Victor, N. Y. Filed Apr. 1, 1949.

KORDITE

FOR PLASTIC COATED CLOTHESLINE.
Claims use since Apr. 15, 1946.

Ser. No. 577,358. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Apr. 19, 1949.

AIMCEE

FOR CLOTHES LINES.
Claims use since 1937.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 568,725. A. C. GIBSON CO. INC., Buffalo, N. Y. Filed Nov. 13, 1948. (Sec. 2f.)

Gibson

Applicant claims ownership of Registration No. 130,303.
FOR MARKING DEVICES AND ACCESSORIES THEREFOR—NAMELY, STAMP PADS AND STAMP INKS.
Claims use since 1910.

Ser. No. 570,157. B. ALTMAN & CO., New York, N. Y. Filed Dec. 8, 1948.

B&A

The mark is a monogram comprising the notation "BA & CO."
FOR TYPEWRITER RIBBONS.
Claims use since 1915.

Ser. No. 572,111. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio. Filed Jan. 13, 1949.

FANTOM-FADE

Applicant claims ownership of Registration No. 339,437.
FOR MARKING INK.
Claims use since Aug. 26, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 545,539. SCHMIDT & AULT PAPER CO., York, Pa. Filed Dec. 26, 1947. (Sec. 2f.)

CODORUS

Applicant claims ownership of Registrations Nos. 138,107, 178,475, 181,141, 181,795, and 417,246.
FOR PAPER SATURATED WITH TAR AND USED FOR ROOFING AND INSULATION PURPOSES, SHEATHING PAPER, AND PAPER FOR MAKING PLASTER BOARD.
Claims use since Apr. 1, 1923.

Ser. No. 548,808. DENISON MATTRESS FACTORY, Denison, Tex. Filed Feb. 5, 1948.

DEN-MAT

FOR DOMESTIC AND COMMERCIAL-TYPE AWNINGS FORMED OF WOOD OR METAL AND ADAPTED TO BE EXTERNALLY POSITIONED ON BUILDINGS SO AS TO OVERHANG OPENINGS THEREOF.
Claims use since July 1, 1939.

Ser. No. 551,922. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Mar. 13, 1948. (Sec. 2f.)

N.Y.C. MILLS

Applicant claims ownership of Registration No. 156,453.
FOR GAUGING PLASTER.
Claims use since Mar. 12, 1925.

Ser. No. 554,006. THE CELOTEX CORPORATION, Chicago, Ill. Filed Apr. 7, 1948.

CELOSTONE

Applicant claims ownership of Registration No. 440,146.
FOR BUILDING SIDING PANELS HAVING A PATTERNED, STONE SIMULATING SURFACING.
Claims use since Mar. 10, 1948.

Ser. No. 555,834. OIL BASE, INC., Compton, Calif. Filed Apr. 29, 1948.

OB

FOR OIL WELL DRILLING FLUID.
Claims use since June 24, 1942.

Ser. No. 555,884. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Oct. 23, 1947. (Sec. 2f.)

WYNN

FOR STANDARD REFRACTORY BRICK.
Claims use since May 1900.

Ser. No. 556,172. BIDDLE PURCHASING CO., New York, N. Y. Filed May 4, 1948. (Sec. 2f.)

RED-LINE

FOR GARAGE DOORS.
Claims use since May 1941.

Ser. No. 559,562. WARNER COMPANY, Philadelphia, Pa. Filed June 17, 1948.

Super Limoid

No exclusive claim is made to the word "Super" apart from the mark as shown. Applicant claims ownership of Registration No. 170,222.
FOR HYDRATED LIME.
Claims use since April 1941.

Ser. No. 564,057. MASON CITY BRICK & TILE COMPANY, Mason City, Iowa. Filed June 5, 1948. (Sec. 2f.)

REDFIELD
QUICK

Applicant claims ownership of Registration No. 262,047.
FOR CEMENT MORTAR USED IN LAYING BRICK, HOLLOW BUILDING TILE, AND FACE BLOCKS.
Claims use since July 1928.

Ser. No. 570,448. STRAND BUILDING PRODUCTS COMPANY, Detroit, Mich. Filed Dec. 13, 1948.

STRAND

FOR GARAGE DOORS.
Claims use since the summer of 1939.

Ser. No. 571,345. MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis, Minn. Filed Dec. 30, 1948.

MANDOLITE

FOR FIBER COMPOSITION BOARD.
Claims use since Dec. 3, 1948.

Ser. No. 571,348. MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis, Minn. Filed Dec. 30, 1948.

PERMALITE

FOR COATED FIBER COMPOSITION BOARD.
Claims use since Dec. 3, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 528,309. RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill. Filed July 10, 1947. (Sec. 2f.)

LOCK-JOINT

FOR METAL TRACKS AND TRACK BRACKETS FOR SLIDING DOORS.
Claims use since February 1927.

Ser. No. 534,163. B. L. MARDER Co., Chicago, Ill. Filed Sept. 11, 1947.

Marbo

The representation of a heel plate is disclaimed. Applicant claims ownership of Registration No. 344,298.
FOR HEEL PLATES, TOE PLATES, HEEL BRACES, V PLATES.
Claims use since March 1930.

Ser. No. 538,296. LAKE UNION SALES COMPANY, Seattle, Wash. Filed Oct. 18, 1947.

AutoMistic

FOR AUTOMATIC SPRINKLING SYSTEMS FOR LAWNS, IRRIGATION, AND THE LIKE.
Claims use since May 2, 1947.

Ser. No. 554,348. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill. Filed Apr. 12, 1948.

Amerock

Applicant claims ownership of Registrations Nos. 381,468 and 318,714.
FOR CABINET HARDWARE—NAMELY, DOOR AND DRAWER PULLS AND KNOBS, DOOR CATCHES AND HINGES, WINDOW SASH LOCKS AND FINGER GRIPS.
Claims use since September 1947.

Ser. No. 559,478. AMERICAN CHAIN & CABLE COMPANY, INC., Bridgeport, Conn. Filed May 25, 1948. (Sec. 2f.)

WEED

Applicant claims ownership of Registration No. 166,334.
FOR ANTI-SKID CHAINS FOR VEHICLE WHEELS.
Claims use since 1904.

Ser. No. 569,894. SCULLY RUBBER MANUFACTURING CO., Baltimore, Md. Filed Dec. 3, 1948.

Tank Master

The word "Tank" is disclaimed.
FOR FLUSH TANK BALLS.
Claims use since Sept. 1, 1947.

Ser. No. 571,511. CAREY-McFALL COMPANY, Philadelphia, Pa. Filed Jan. 3, 1949.

CAR-MAC

The word "Car" is disclaimed.
FOR KEY CHAIN HAVING AN AUTOMATIC KEY COUPLER AS A PART THEREOF.
Claims use since November 1948.

Ser. No. 575,627. C. F. CHURCH MFG. Co., Willimansett, Chicopee, Mass. Filed Mar. 18, 1949.

COREX

FOR TOILET SEATS.
Claims use since Feb. 24, 1949.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 502,947. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio. Original filed, act of 1905, May 29, 1946; amended to application under act of 1946, Principal Register, Nov. 5, 1947.

REX

FOR METAL ALLOYS.
Claims use since Jan. 1, 1946

Ser. No. 544,997. HPL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Dec. 20, 1947.

HPL

FOR CUSTOM-MADE METAL STAMPINGS OF ALL FORMS FROM COLD SHEET METAL AS SPECIFIED BY THE PURCHASER.
Claims use since Nov. 5, 1947.

Ser. No. 564,906. JOSEPH T. RYERSON & SON, INC., Chicago, Ill. Filed Sept. 9, 1948. (Sec. 2f.)

RYERSON

Applicant claims ownership of Registration No. 271,469.
FOR STEEL PLATES AND SHEETS, IRON AND STEEL, METAL BARS AND BILLETS, ALLOY STEEL, TOOL STEEL, STRIP STEEL, SPRING STEEL, DRILL STEEL, MACHINERY STEEL, SCREW STEEL, BABBITT METAL, SOLDER, STAINLESS STEEL, CASTINGS OF MALLEABLE IRON, GRAY IRON AND STAINLESS STEEL, FORGINGS OF CARBON STEEL, ALLOY STEEL AND STAINLESS STEEL, AND COLD ROLLED STEEL.
Claims use since June 19, 1888.

Ser. No. 571,574. PRECISION STEEL WAREHOUSE INCORPORATED, Chicago, Ill. Filed Jan. 3, 1949.

PRECISION BRAND
MUSIC WIRE

No claim is made to the exclusive right to use of any of the wording as a trade-mark apart from the mark as shown. Applicant claims ownership of Registrations Nos. 421,089 and 500,358.
FOR HIGH CARBON SPRING STEEL MUSIC WIRE KNOWN IN THE TRADE AS MUSIC WIRE BUT USED FOR GENERAL PURPOSES IN THE ARTS AND INDUSTRIES.
Claims use since July 13, 1948.

Ser. No. 573,960. MONARCH ALUMINUM MFG. COMPANY, Cleveland, Ohio. Filed Feb. 16, 1949.

Monarcast

FOR ZINC AND ALUMINUM CASTINGS.
Claims use since Aug. 1, 1935.

Ser. No. 575,106. Z–V SALES COMPANY, Chicago, Ill. Filed Mar. 8, 1949.

ZEVESCAL

Applicant claims ownership of Registration No. 502,554.
FOR FERROUS AND NON-FERROUS CASTINGS AND FORGINGS.
Claims use since Aug. 14, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 556,556. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed May 8, 1948.

Mineralastic

Applicant claims ownership of Registrations Nos. 404,947 and 411,139.
FOR BOWLING ALLEY FINISH IN THE NATURE OF A LACQUER, AND THINNER THEREFOR; BOWLING ALLEY BASE COAT IN THE NATURE OF A LACQUER; BOWLING ALLEY DRESSING IN THE NATURE OF AN OIL COATING COMPOSITION, AND BOWLING ALLEY CONDITIONER IN THE NATURE OF AN OIL COATING COMPOSITION.
Claims use since June 15, 1943.

Ser. No. 557,993. BERRY BROTHERS, INC., Chicago, Ill., and Detroit, Mich. Filed May 28, 1948.

BERRYFLAT

Applicant claims ownership of Registrations Nos. 98,997, 106,141, 158,612, 194,111, 248,521, 248,522, and 298,009.
FOR WALL FINISHES—NAMELY, LACQUERS, VARNISHES, PAINTS, ENAMELS, AND SHELLAC.
Claims use since Apr. 1, 1937.

Ser. No. 572,607. THE TROPICAL PAINT & OIL COMPANY, Cleveland, Ohio. Filed Jan. 22, 1949.

TROPILUX

Applicant claims ownership of Registration No. 312,609.
FOR PAINT ENAMEL.
Claims use since Mar. 27, 1929.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 559,105. R. G. SULLIVAN, INCORPORATED, Manchester, N. H. Filed June 12, 1948. (Sec. 2f.)

DEXTER

Applicant claims ownership of Registration No. 150,207.
FOR CIGARS.
Claims use since Aug. 1, 1920.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 544,957. BRISTOL LABORATORIES INC., New York and Syracuse, N. Y. Filed Mar. 10, 1948.

FLO-CILLIN

FOR PENICILLIN COMPOUNDS.
Claims use since Aug. 19, 1947.

Ser. No. 568,554. VELSOR-WRIGHT CO., INC., New York, N. Y. Filed Nov. 10, 1948.

Somni-BATH

The word "Bath" is disclaimed apart from the mark as shown.
FOR PROPRIETARY PREPARATION FOR EXTERNAL USE IN BATH WATER FOR THE PURPOSE OF INDUCING NORMAL SLEEP.
Claims use since Aug. 12, 1948.

Ser. No. 570,426. MILES LABORATORIES, INC., Elkhart, Ind. Filed Dec. 13, 1948.

BACTINE

FOR TOPICAL GERMICIDE.
Claims use since Dec. 3, 1948.

Ser. No. 572,108. THE MALTINE COMPANY, Morris Plains, N. J. Filed Jan. 13, 1949.

BARITHYL

FOR PRODUCT FOR USE IN ROENTGENOLOGICAL VISUALIZATION OF THE GASTRO-INTESTINAL TRACT.
Claims use since Jan. 5, 1949.

Ser. No. 572,109. JOHN C. MCNAMARA, New Orleans, La. Filed Jan. 13, 1949.

DURATHANE

FOR CREAM FOR THE TREATMENT OF SIMPLE AFFECTIONS OF THE CUTANEOUS SURFACES SUCH AS SOME FORMS OF CHRONIC ECZEMA, PIMPLES, BOILS, BURNS.
Claims use since Sept. 8, 1948.

CLASS 19

VEHICLES

Ser. No. 514,022. FOREMAN MANUFACTURING COMPANY, Chicago, Ill. Original filed, act of 1905, Dec. 11, 1946; amended to application under act of 1946, Principal Register, Feb. 25, 1948. (Sec. 2f.)

TRAILTRUK

Additional evidence separately submitted in the case.
FOR VEHICLE UTILITY TRAILERS.
Claims use since December 1935.

Ser. No. 528,912. DOUGLAS AIRCRAFT COMPANY, INC., Santa Monica, Calif. Filed July 19, 1947. (Sec. 2f as to "Douglas.")

DOUGLAS

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use since Mar. 15, 1947.

Ser. No. 558,719. HEYWOOD-WAKEFIELD COMPANY, Gardner, Mass. Filed June 8, 1948. (Sec. 2f as to "Heywood Wakefield.")

HEYWOOD-WAKEFIELD EST. 1826

Additional evidence separately submitted is filed herein.
Applicant claims ownership of Registrations Nos. 124,385, 128,728, and 438,955.
FOR BABY CARRIAGES AND STROLLERS, AND TRANSPORTATION SEATING—NAMELY, SEATS FOR RAILROAD COACHES, LOUNGING CARS, OBSERVATION CARS, DINING-CARS, BED-ROOMS, COMPARTMENTS AND DRAWING-ROOMS, PASSENGER BUSES AND BUS-DRIVERS' SEATS.
Claims use since July 1, 1897; and in its present form on baby carriages and strollers since Feb. 21, 1946, and on the items of transportation seating since Mar. 18, 1946.

Ser. No. 568,562. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Nov. 12, 1948.

EXCELSIOR

Applicant claims ownership of Registration No. 363,956.
FOR BICYCLES.
Claims use since June 1, 1908.

Ser. No. 572,412. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Jan. 19, 1949.

CASCO

Applicant claims ownership of Registrations Nos. 289,360, 305,599, 320,588, and 344,808.
FOR AUTOMOBILE VISORS.
Claims use since Dec. 7, 1948.

Ser. No. 572,736. GLOSTEX PRODUCTS, INC., Chicago, Ill. Filed Jan. 25, 1949.

TUFFETT

The drawing is lined for the colors blue and gray.
FOR AUTOMOBILE SEAT COVERS.
Claims use since Jan. 17, 1949.

Ser. No. 572,897. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Jan. 27, 1949.

Hydra-glide

FOR MOTORCYCLES AND FRAME AND FORK PARTS.
Claims use since Dec. 31, 1948.

Ser. No. 575,418. MCDONNELL AIRCRAFT CORPORATION, Lambert Field, St. Louis, Mo. Filed Mar. 14, 1949.

VOO DOO

FOR AIRPLANES.
Claims use since Jan. 20, 1949.

Ser. No. 575,507. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Mar. 15, 1949.

THERM-O-MATIC

FOR BICYCLE FRAMES.
Claims use since Mar. 9, 1949.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 562,846. GAMBLE-SKOGMO, INC., Minneapolis, Minn. Filed Aug. 5, 1948.

Haddon Hall

FOR FELT BASE FLOOR COVERING.
Claims use since July 1, 1948.

Ser. No. 569,881. NATURAL PRODUCTS CO., INC., Sheboygan, Wis. Filed Dec. 3, 1948.

"Flor-Life"

No claim is made for the word "Flor" apart from the mark shown.
FOR FLOOR COVERINGS IN THE NATURE OF RESILIENT TILE BLOCKS FORMED FROM A VINYL PLASTIC MATERIAL.
Claims use since Sept. 7, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 539,229. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Oct. 27, 1947.

Home Charm

FOR ELECTRIC LAMPS.
Claims use since Aug. 26, 1946.

Ser. No. 546,611. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Jan. 9, 1948.

ROECORD

FOR ELECTRICAL WIRE AND CABLE.
Claims use since October 1933.

Ser. No. 552,130. ELECTRO-CONNECTOR CORPORATION, Philadelphia, Pa. Filed Mar. 17, 1948.

ELCO

FOR MINIATURE VACUUM TUBE SOCKETS.
Claims use since Jan. 2, 1948.

Ser. No. 554,279. THE WHITNEY BLAKE COMPANY, Hamden, Conn. Filed Apr. 9, 1948.

"TELECORD"

FOR INSULATED ELECTRIC WIRE.
Claims use since Feb. 4, 1948.

Ser. No. 554,772. CORNELL-DUBILIER ELECTRIC CORPORATION, South Plainfield, N. J. Filed Apr. 16, 1948.

CORNELL DUBILIER Devices

The word "Devices" is disclaimed. Applicant claims ownership of Registrations Nos. 198,171 and 204,342.
FOR ELECTRICAL CAPACITORS.
Claims use since May 1933.

Ser. No. 555,592. BERRY'S ELECTRIC LIMITED, London, England. Filed Apr. 26, 1948.

MAGICOAL

Applicant claims ownership of English Registration No. 395,318, dated Sept. 18, 1919.
FOR ELECTRIC STOVES, AND ARTIFICIAL FIREPLACES AND RADIATORS ELECTRICALLY HEATED AND ILLUMINATED TO SIMULATE GLOWING FUELS.

Ser. No. 556,524. ALL-STEEL EQUIPMENT INC., Aurora, Ill. Filed May 8, 1948.

A-S-E

Applicant claims ownership of Registrations Nos. 235,607, 259,100, 296,469, and 297,644.
FOR ELECTRICAL BOXES—NAMELY, SWITCH, OUTLET, CEILING, CABLE, CONDUIT, UTILITY, JUNCTION, CUTOUT, PULL, AND RECEPTACLE BOXES; CONCRETE RINGS; COVERS AND PLATES FOR ELECTRICAL BOXES; BAR HANGERS FOR ELECTRICAL BOXES, AND CLAMPS FOR ELECTRIC CABLE AND CONDUIT
Claims use since 1913.

Ser. No. 558,926. THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed June 10, 1948.

GYRALITE

FOR ELECTRICAL GYRATING TYPE WARNING LIGHTS.
Claims use since Apr. 12, 1948.

Ser. No. 565,249 EAGLE SIGNAL CORPORATION, Moline, Ill. Filed Sept. 16, 1948.

EAGLE Signal CORP.

Applicant disclaims the right to exclusive use of the words "Signal Corp."
FOR ELECTRIC STREET AND ROAD TRAFFIC LIGHT SIGNALS, CONTROLLERS, AND TIMERS THEREFOR.
Claims use since Aug. 23, 1948.

Ser. No. 567,868. MAGNETIC CORPORATION OF AMERICA, Chicago, Ill. Filed Oct. 29, 1948.

Dictascriber

FOR APPARATUS FOR ELECTRICAL RECORDING OR REPRODUCING SOUND OR OTHER SIGNALS UPON WIRE, AND PARTICULARLY WIRE RECORDERS—REPRODUCERS FOR DICTATION PURPOSES AND WIRES AND SPOOLS FOR USE THEREWITH.
Claims use since Aug. 15, 1948.

Ser. No. 569,676. CUSHMAN MOTOR WORKS, Lincoln, Nebr. Filed Dec. 1, 1948.

PERMALITE

FOR ELECTRICAL LIGHTING SYSTEM FOR MOTOR SCOOTERS IN WHICH THE ELECTRICAL ENERGY IS SUPPLIED BY THE FLYWHEEL MAGNETO OF THE MOTOR SCOOTER ENGINE, SAID FLYWHEEL MAGNETO INCORPORATING SPECIAL LOW VOLTAGE LIGHTING COIL OR COILS IN ADDITION TO THE SPARK-PRODUCING COIL.
Claims use since 1940.

Ser. No. 570,634. THE RELIANCE ELECTRIC & ENGINEERING COMPANY, Cleveland, Ohio. Filed Dec. 16, 1948.

RELIANCE

Applicant claims ownership of Registration No. 118,698.
FOR DIRECT AND ALTERNATING CURRENT ELECTRIC MOTORS.
Claims use since January 1912.

Ser. No. 571,513. COLLINS RADIO COMPANY, Cedar Rapids, Iowa. Filed Jan. 3, 1949. (Sec. 2f.)

COLLINS

Applicant claims ownership of Registration No. 356,554.
FOR RADIO TRANSMITTERS, AND COMPONENT PARTS THEREOF (INCLUDING POWER SUPPLIES, MODULATORS, RELAY RACKS, QUARTZ CRYSTALS, TRANSFORMERS, SPEECH EQUIPMENT COMPRISING AUDIO FREQUENCY AMPLIFIER CIRCUITS, MIXING AND CONTROL CIRCUITS, ELECTRICAL CONNECTIONS FOR MICROPHONES AND OTHER SIGNAL SOURCES ADAPTED TO BE USED THEREWITH); AND RADIO RECEIVERS, AND COMPONENT PARTS THEREOF.
Claims use since Mar. 15, 1932.

Ser. No. 571,724. GREAT LAKES CARBON CORPORATION, New York, N. Y. Filed Jan. 6, 1949.

GLC

FOR ARTICLES AND PRODUCTS FOR ELECTRICAL PURPOSES AND CONSISTING WHOLLY OR IN PART OF AMORPHOUS CARBON OR GRAPHITE—NAMELY, ELECTRODES, ANODES, CATHODES, NIPPLES, REFRACTORIES.
Claims use since Nov. 19, 1948.

Ser. No. 572,244. ELEK-TREM OF BOSTON, Boston, Mass. Filed Jan. 15, 1949.

ELEK-TREM

FOR ELECTRIC SPEAKER FOR USE WITH ELECTRIC ORGANS.
Claims use since Sept. 1, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 555,258. FOUNTAIN DIE CUTTING COMPANY, New York, N. Y. Filed Apr. 22, 1948.

ROTO CHESS

The word "Chess" and the design features of the mark are disclaimed.
FOR CHESS GAME.
Claims use since Apr. 1, 1948.

Ser. No. 558,680. S. ALLCOCK & COMPANY LIMITED, Redditch, England. Filed June 8, 1948.



Applicant claims ownership of British Registration No. 648,793, dated Jan. 14, 1946; and United States Registrations Nos. 130,026, 79,543, 228,286, 228,287, and 166,780.
FOR FISHING TACKLE AND APPLIANCES CONSISTING OF ARTIFICIAL BAITS, FLIES, FLOATS, HOOKS, LEADS, LEADERS, LINES, REELS, REEL PARTS, RODS, ROD FITTINGS, AND NETS.

Ser. No. 564,622. HARLIS INC., Miami, Fla. Filed Sept. 3, 1948.

Conk & Carrie

FOR TOYS IN THE NATURE OF MINIATURE FIGURES AND SCENERY.
Claims use since Aug. 12, 1948.

Ser. No. 569,873. GEO. H. MAUS, INC., Amsterdam, N. Y. Filed Dec. 8, 1948.

GOLD MEDAL

Applicant claims ownership of Registration No. 400,950.
FOR BAMBOO FISHING POLES, BAMBOO VAULTING POLES, AND BAMBOO SKI POLES.
Claims use since July 22, 1910.

Ser. No. 570,063. LUNA E. PHIFER, doing business under the name of Whirling Dervish Bait Co., Oklahoma City, Okla. Filed Dec. 6, 1948.

WHIRLING DERVISH

Exclusive use of the word "Whirling" is not claimed except as associated with the word "Dervish."
FOR ARTIFICIAL FISH LURES.
Claims use since May 20, 1947.

Ser. No. 570,859. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 11, 1948.

Monarch

Applicant claims ownership of Registrations Nos. 113,350, 415,715, and 416,217.
FOR BOWLING BALL BAGS.
Claims use since April 1948.

Ser. No. 570,497. KESTRAL CORPORATION, Springfield, Mass. Filed Dec. 14, 1948.

PUNCHO

FOR INFLATABLE FIGURE TOYS.
Claims use since Sept. 13, 1948.

Ser. No. 570,498. KESTRAL CORPORATION, Springfield, Mass. Filed Dec. 14, 1948.

Wata-Pal

FOR INFLATABLE SURF SLEDS OR MATTRESSES.
Claims use since Feb. 10, 1948.

Ser. No. 570,535. BACHMANN BROS., INC., Philadelphia, Pa. Filed Dec. 15, 1948.

"PLASTICVILLE, U. S. A."

The term "U. S. A." is disclaimed.
FOR TOY CONSTRUCTION SETS.
Claims use since Nov. 22, 1948.

Ser. No. 571,835. FREDERICK J. ADAMS, doing business as Adams Welding Service, Philadelphia, Pa. Filed Jan. 8, 1949.

SURF-AIDE

FOR COMBINATION SURF-ANGLERS' KIT INCLUDING SAND SPIKE, BAIT BUCKET, AND BAIT CUTTING BOARD.
Claims use since July 7, 1948.

Ser. No. 576,603. WISKIT RACKET COMPANY, Seattle, Wash. Filed Apr. 4, 1949.

WISKIT

FOR GAME RACKET USED TO CATCH AND THROW A BALL.
Claims use since Mar. 24, 1949.

Ser. No. 577,294. WELSH CO., St. Louis, Mo. Filed Apr. 16, 1949.

PLAYMATE

FOR BABY SWINGS.
Claims use since Apr. 1, 1939.

Ser. No. 577,388. INDUS CORPORATION, Indianapolis, Ind. Filed Apr. 19, 1949.

Indus-

FOR EVAPORATIVE ACTING SELF-COOLING FISHING BAIT CONTAINERS.
Claims use since Mar. 18, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 533,639. ST. REGIS PAPER COMPANY, New York, N. Y. Filed Sept. 5, 1947.

ST. REGIS

FOR MACHINES FOR MANUFACTURING AND FOR FILLING PAPER BAGS—VIZ., MACHINES FOR MANUFACTURING PASTED END BAGS, SEWN END BAGS, OPEN MOUTH BAGS AND VALVE BAGS, AND FOR IMPRINTING LABELS AND OTHER PRINTED MATTER ON SUCH BAGS, MACHINES FOR FILLING VALVE BAGS AND OPEN MOUTH BAGS AND FOR SEALING THE BAGS AFTER FILLING, AND PARTS FOR ALL OF SAID MACHINES.
Claims use since Jan. 31, 1930.

Ser. No. 541,974. SNYDER MANUFACTURING COMPANY, Philadelphia, Pa. Filed Nov. 21, 1947.

JETEX

FOR AUTOMOBILE ENGINE EXHAUST PIPE EXTENSIONS.
Claims use since July 1947.

Ser. No. 542,523. THE BINGHAM-HERBRAND CORPORATION, Toledo and Fremont, Ohio. Filed Nov. 28, 1947.

Obstructo

FOR WRENCHES.
Claims use since August 1931.

Ser. No. 545,460. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa. Filed Dec. 26, 1947.

DISSTON

The word "Disston" is disclaimed.
FOR FILES AND RASPS.
Claims use since Mar. 12, 1945.

Ser. No. 547,344. HAMMEL, RIGLANDER & CO. INC., New York, N. Y. Filed Jan. 17, 1948.

PEER

FOR PLIERS AND TWEEZERS.
Claims use since 1923.

Ser. No. 547,365. RASMUSSEN MANUFACTURING COMPANY, Hollydale, Calif. Filed Jan. 17, 1948.

-RAMSCO-

FOR CYLINDER SLEEVES.
Claims use since Dec. 1, 1942.

Ser. No. 548,662. THE LOUIS G. FREEMAN COMPANY, Cincinnati, Ohio. Filed Feb. 3, 1948. (Sec. 2f.)

Louis G Freeman

Applicant claims ownership of Registration No. 178,304.
FOR SHOE MACHINERY, PARTS AND SUPPLIES—NAMELY, TACK-PULLING MACHINES, SHANK BEATING MACHINES, HEEL-BREAST-TRIMMING MACHINES, BELT-BUFFING MACHINES, HEEL-BREAST-TRIMMING MACHINES, TACK-PULLING AND WIRE-REMOVING MACHINES, SHOE JACKS, HEEL-SEAT-

JOINTING MACHINES, SKIVING MACHINES, RANDING MACHINES, WEDGE-SPLITTING MACHINES, TOP-BAND-PRESSING MACHINES, TRIMMING KNIVES, TACK CLAWS, AND SANDPAPER BELTS, CUT-OUT AND MARKING MACHINES, TRACING MACHINES, DEEP SHANK BUFFING MACHINES, CUT-OUT MACHINES, BLOCK PLANING MACHINES, ROTARY EDGE SETTING MACHINES, AND PARTS THEREFOR.
Claims use since Nov. 1, 1922.

Ser. No. 549,299. TRI-CLOVER MACHINE CO., Kenosha, Wis. Filed Feb. 10, 1948.

TRI-CLOVER

FOR NON-MEASURING ROTARY LIQUID PUMPS FOR USE PRINCIPALLY IN THE FOOD AND CHEMICAL INDUSTRIES, SAW VISES, TUBE FACERS, WRENCHES, SEATING TOOLS, SEATING CUTTERS, THREAD CHASERS, AND KNOCK OUT MANDRELS.
Claims use since July 1927 on pumps; and since June 1946 on other products.

Ser. No. 558,046. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 28, 1948. (Sec. 2f.)

HANDI-CLIP

Applicant disclaims the word "Clip" apart from the mark as shown.
FOR STAPLING MACHINES OF THE HAND-OPERATED TYPE USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND LIGHT GAGE METAL TOGETHER.
Claims use since Feb. 20, 1939.

Ser. No. 560,855. AMERICAN HOIST & DERRICK CO., St. Paul, Minn. Filed July 8, 1948.

TractoWinch

The word "Winch" is disclaimed apart from the mark as a whole.
FOR WINCHES TO BE MOUNTED ON WHEEL AND CATERPILLAR TYPE TRACTORS.
Claims use since June 29, 1948.

Ser. No. 561,596. VICTOR VENDING CORPORATION, Chicago, Ill. Filed July 16, 1948.

TOPPER

FOR COIN CONTROLLED VENDING MACHINES FOR BULK VENDING CANDY, GUM, PEANUTS, AND THE LIKE.
Claims use since 1938.

Ser. No. 561,634. LUCAS SCREW PRODUCTS, INC., Rochester, N. Y. Filed July 17, 1948.

LU-MAR

FOR LIGHT PORTABLE HAND PUMPS.
Claims use since May 5, 1948.

Ser. No. 562,707. JAMES C. HEINTZ & COMPANY, INC., Cleveland, Ohio. Filed Aug. 3, 1948.

FARM-O-FIT

FOR TIRE RETREADING MOLD.
Claims use since Apr. 15, 1948.

Ser. No. 564,913. STOW MANUFACTURING CO., Binghamton, N. Y. Filed Sept. 9, 1948.

JIFFY PLUMBER

The word "Plumber" is disclaimed.
FOR DRAIN-PIPE CLEANING TOOL.
Claims use since Aug. 13, 1948.

Ser. No. 567,527. L. J. MILEY COMPANY, Chicago, Ill. Filed Oct. 23, 1948. (Sec. 2f.)

MILEY

FOR BRAKE RELINING MACHINES.
Claims use since January 1939.

Ser. No. 568,122. D. B. SMITH & COMPANY, INC., Utica, N. Y. Filed Nov. 3, 1948. (Sec. 2f.)

YORKTOWN

Applicant claims ownership of Registration No. 273,015.
FOR HAND AND POWER OPERATED SPRAYERS, SPRAY PUMPS, AND COMPRESSED AIR SPRAYERS FOR DOMESTIC AND INDUSTRIAL PURPOSES.
Claims use since Sept. 1, 1912.

Ser. No. 568,324. SAMUEL NEWBURGER, Chicago, Ill. Filed Nov. 6, 1948.

ACE WARMER

The word "Warmer" is disclaimed.
FOR ELECTRIC POPCORN WARMING AND DISPENSING MACHINES.
Claims use since Feb. 1, 1947.

Ser. No. 568,392. MUTUAL BUYING SYNDICATE, INC., New York, N. Y. Filed Nov. 8, 1948.

Once-Over

FOR NON-ELECTRICAL CARPET SWEEPERS.
Claims use since Oct. 1, 1948.

Ser. No. 569,518. HELLER BROTHERS COMPANY, Newark, N. J. Filed Nov. 27, 1948.



FOR FILES, RASPS, HAMMERS, TONGS, CLINCHERS, AND PINCHERS.
Claims use since Aug. 26, 1948.

Ser. No. 569,815. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich. Filed Dec. 3, 1948.

Continental

Applicant claims ownership of Registrations Nos. 118,628, 282,103, and 422,729.
FOR INTERNAL COMBUSTION ENGINES, CLUTCHES, AND THEIR PARTS.
Claims use since Oct. 1, 1902.

Ser. No. 570,315. NEW ELECTRIC RAZOR CORPORATION, Baltimore, Md. Filed Dec. 10, 1948.

VIBRAZOR

FOR ELECTRIC SHAVERS.
Claims use since Oct. 6, 1948.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 528,193. CONLON-MOORE CORPORATION, Chicago, Ill. Filed July 9, 1947. (Sec. 2f.)

Conlon

Applicant claims ownership of Registration No. 320,765.
FOR LAUNDRY WASHING MACHINES AND LAUNDRY IRONING MACHINES.
Claims use since Oct. 1, 1928, as to washing machines; and since about Dec. 1, 1925, as to ironing machines.

Ser. No. 563,238. THE J. R. CLARK COMPANY, Spring Park, Minn. Filed Aug. 12, 1948. (Sec. 2f.)

RID-JID

FOR IRONING TABLES AND IRONING TABLE PAD AND COVER SETS.
Claims use on ironing tables since September 1920; and on ironing table pad and cover sets since Jan. 3, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 529,913. MILWAUKEE INTERNATIONAL, INC., Milwaukee, Wis. Filed July 29, 1947.

STAT-A-LINER

The term "A Liner" is disclaimed apart from the mark.
FOR WHEEL AND TIRE BALANCING MACHINES OF THE TYPE INCLUDING A STANDARD AND A HEAD ROTATABLY MOUNTED ON THE STANDARD FOR RECEIVING THE WHEEL WITH MEANS FOR INDICATING DEFLECTION OF THE HEAD DURING ROTATION.
Claims use since May 25, 1947.

Ser. No. 531,190. BARBER-COLMAN COMPANY, Rockford, Ill. Filed Aug. 13, 1947.

ZONE-PAC

No claim is made to the exclusive use of the word "Zone" apart from the combination shown.
FOR THERMOSTATICALLY CONTROLLED MOTOR OPERATED VALVES.
Claims use since October 1946.

Ser. No. 543,211. ABEL FERNAND JEAN NAERT, Brussels, Belgium. Filed Dec. 3, 1947.

NARITA

Applicant claims ownership of Belgian Registration No. 61,282, dated Jan. 20, 1947.
FOR CAMERAS AND ACCESSORIES THEREFOR—NAMELY, METAL GAUGES, FILM SCREENS, PRINT WASHING APPARATUS, AND CIRCULAR PRINT-TRIMMER.

Ser. No. 557,026. DORMITZER ELECTRIC & MANUFACTURING CORPORATION, Boston, Mass. Filed May 14, 1948.

Syncron

FOR PHOTOGRAPHIC APPARATUS COMPRISING PORTABLE FLASH UNITS, POWER SUPPLY PACKS, LIGHTING UNITS, CARRYING CASES, AND ACCESSORIES THEREFOR—NAMELY, AUXILIARY FLASH UNITS AND POWER SUPPLY PACKS, BRANCH BOXES, AND CONDUCTORS SUCH AS CORDS OR CABLES FOR CONNECTING SUCH APPARATUS.
Claims use since Mar. 18, 1948.

Ser. No. 560,272. INFORMAX ENTERPRISES, Stamford, Conn. Filed June 26, 1948.

INFORMAX

FOR MANIPULATIVE CHART FOR DISPLAYING A MULTIPLE SERIES OF RELATED FACTS.
Claims use since June 12, 1948.

Ser. No. 571,459. PRECISION SCIENTIFIC COMPANY, Chicago, Ill. Filed Dec. 31, 1948.

ISOTROPIC

FOR INCUBATORS FOR LABORATORY USE.
Claims use since Dec. 3, 1948.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 573,284. PAUL WYLER, New York, N. Y. Filed Feb. 3, 1949. (Sec. 2f as to Wyler.)

Wyler

Dynawind

Applicant claims ownership of Registrations Nos. 350,845, 417,664, 420,780, and 515,726.
FOR WATCHES, CASED AND UNCASED, AND WATCH REPAIR PARTS.
Claims use since September 1948 as to "Dynawind"; and since 1924 as to "Wyler."

Ser. No. 573,902. JAMES SCHULZ, New York, N. Y. Filed Feb. 15, 1949. (Sec. 2f.)

SCHULZ

FOR WATCHES.
Claims use since Mar. 1, 1924.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 507,480. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Original filed, act of 1905, Aug. 15, 1946; amended to application, under act of 1946, Principal Register, Sept. 4, 1947.

RAINBOW

Applicant claims ownership of Registration No. 171,300.
FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.
Claims use since 1916.

Ser. No. 561,658. COLONIAL MFG. CO., INC., New York, N. Y. Filed July 19, 1948.

BRIDALOK

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT—NAMELY, FINGER RINGS, EARRINGS, BROOCHES, BRACELETS, NECKLACES, JEWELRY CLIPS, AND LOCKETS.
Claims use since May 11, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 550,100. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 18, 1948.

WORKMASTER

FOR PAINT BRUSHES, SASH BRUSHES, PAINTERS' DUSTERS, KALSOMINE BRUSHES, ROOF BRUSHES, WIRE BRUSHES, WALLPAPER HANGERS' SMOOTHING BRUSHES AND WALLPAPER HANGERS' PASTE BRUSHES.
Claims use since Jan. 15, 1946.

Ser. No. 558,756. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 8, 1948.

ALLSTATE

Applicant claims ownership of Registration No. 303,974.
FOR AUTOMOBILE SUPPLIES—NAMELY, DUST CLOTHS (NOT CHEMICALLY TREATED) AND FENDER BRUSHES.
Claims use since July 15, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 552,658. HOWE FOLDING FURNITURE, INC., New York, N. Y. Filed Mar. 22, 1948. (Sec. 2f.)

Howe

Applicant claims ownership of Registration No. 272,609.
FOR FURNITURE—NAMELY, CHAIRS AND TABLES, FOLDING CARD TABLES AND WOODEN SERVING TRAYS, FOLDING CLOTHING STANDS.
Claims use since July 1928.

Ser. No. 558,924. PEARL-WICK CORPORATION, Long Island City, N. Y. Filed June 10, 1948.

LAZY-BUTLER

FOR SERVING STAND.
Claims use since May 12, 1948.

Ser. No. 563,516. L. A. YOUNG SPRING & WIRE CORPORATION, Detroit, Mich. Filed Aug. 16, 1948.

Rest-Storer

FOR BED SPRINGS.
Claims use since June 30, 1948.

Ser. No. 565,668. WEST PENN MIRROR, INC., Philadelphia, Pa. Filed Sept. 22, 1948.

ARM-R-BAK

FOR WALL MIRRORS, AND MIRRORS USED IN CONNECTION WITH FURNITURE.
Claims use since Dec. 16, 1947.

Ser. No. 566,446. ARNOLT CORPORATION, Warsaw, Ind. Filed Oct. 5, 1948.

X-L-O

FOR CHROMIUM PLATED METAL TUBULAR ELEMENTS AND ASSEMBLIES THEREOF FOR FURNITURE FRAMES.
Claims use since Jan. 31, 1944.

Ser. No. 569,392. CARL WM. PAUL, doing business as Paul Products Co., New York, N. Y. Filed Nov. 24, 1948.

SALES BUILDER

FOR FUR SCARVES DISPLAY FIXTURES—NAMELY, STANDS AND RACKS.
Claims use since Sept. 28, 1948.

Ser. No. 569,395. POWERS & PITTENGER, Indianapolis, Ind. Filed Nov. 24, 1948.

Refresher

FOR MATTRESSES, BOX SPRINGS, PILLOWS, AND COUCHES.
Claims use since Mar. 22, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 493,874. F. W. MCLANATHAN & SON, INC., Lawrence, Mass. Original filed, act of 1905, Dec. 24, 1945; amended to application under act of 1946, Principal Register, Jan. 25, 1949. (Sec. 2f.)

PRE-SERVICED

FOR BELTING FOR POWER TRANSMISSIONS, FOR CORD STRIPPERS AND SPINNING MULES, SPECIAL DRIVE BELTS FOR TEXTILE MACHINERY.
Claims use since Apr. 20, 1937.

Ser. No. 545,286. J. A. SEXAUER MFG. CO. INC., New York, N. Y. Filed Dec. 23, 1947.

MAKE THE TIGHT LINE STAY

The word "Tight" is disclaimed. Applicant claims ownership of Registrations Nos. 162,650, 168,516, and 169,925.
FOR RUBBER, LEATHER, FIBER, AND ALL NONMETALLIC WASHERS; GASKETS; RUBBER BALL COCK CUSHIONS; RUBBER ELBOWS AND STRAIGHT CONNECTIONS WITH AND WITHOUT FIXTURES; RUBBER FULLER BALLS; LEATHER BALL COCK CUPS; PACKINGS, INCLUDING FELT STEM PACKINGS, GRAPHITE SWING SPOUT COUPLING NUT PACKINGS, GRAPHITE VALVE STEM BONNET PACKINGS, BALLCOCK PISTON PACKINGS, GRAPHITE-ASBESTOS STEM PACKING OF BOTH BRAIDED AND TWISTED TYPES, AND COMPRESSED ASBESTOS SHEET PACKING; RUBBER DOUBLE SEAT COMPRESSION AND SELF-CLOSING CUSHIONS; LEATHER HYDRANT SETS; RUBBER PLUNGER RINGS; RUBBER TUBING, FIBER CANDLE WICKING, AND PUMP LEATHERS.
Claims use since 1921.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 534,830. STANDARD PHONO CORPORATION, New York, N. Y. Filed Sept. 17, 1947. (Sec. 2f.)

STANDARD

Applicant claims ownership of Registration No. 395,716.
FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Jan. 1, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,023. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Nov. 22, 1948.

DANDEE

FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.
Claims use since 1916.

Ser. No. 526,064. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1948.



FOR PAPER TABLETS.
Claims use since 1898 as to "Killarney"; and since May 22, 1944 as shown.

Ser. No. 527,239. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio. Filed July 5, 1947.



Applicant claims ownership of Registrations Nos. 225,583 and 222,823.
FOR UNCOATED, COATED, AND CAST-COATED PAPER SUITABLE FOR PRINTING; UNCOATED, COATED, AND CAST-COATED BRISTOL BOARD, CARDBOARD, AND PAPERBOARD; ENVELOPE PAPER, COVER PAPER, BOX COVER PAPER, ANILINE PRINTED PAPER, BOND PAPER, BAG PAPER, DRAWING PAPER, DRAPERY PAPER, END LEAF PAPER, FOIL LINER PAPER, HANGING PAPER, LIQUID AND FOOD CONTAINER STOCK PAPER, MIMEOGRAPH PAPER, PAPETERIE, RED PATCH PAPER, WAXING PAPER, WINDOW SHADE PAPER, WRAPPING PAPER, WRITING PAPER, AND PAPER SPECIALTIES—NAMELY, PAPERS MADE WITH SPECIAL CHARACTERISTICS AND PROPERTIES TO ADAPT THEM TO SPECIAL USES.
Claims use since Apr. 1, 1927.

Ser. No. 558,430. WOLF BROTHERS, Philadelphia, Pa. Filed June 3, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 172,807.
FOR WINDOW ENVELOPES.
Claims use since Nov. 1, 1922.

Ser. No. 563,391. BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Aug. 14, 1948.

TEEBONE

FOR WRAPPING PAPER.
Claims use since 1915.

Ser. No. 563,749. MANAHAN MOTH PAPER COMPANY, Brooklyn and New York, N. Y. Filed Aug. 19, 1948.

TARINE

Applicant claims ownership of Registration No. 47,902.
FOR TAR PAPER FOR WRAPPING AND STORAGE PURPOSES.
Claims use since June 9, 1905.

Ser. No. 564,584. C. B. RUDOLPH, INC., Philadelphia, Pa. Filed Sept. 2, 1948.

NUMAILER 3

FOR MAILING ENVELOPES.
Claims use since Aug. 12, 1948.

Ser. No. 565,730. SITROUX INCORPORATED, New York, N. Y. Filed Sept. 23, 1948.

Iris

FOR FACIAL TISSUES.
Claims use since July 9, 1948.

Ser. No. 568,469. TINGSTOL CORPORATION, Chicago, Ill. Filed Nov. 9, 1948.



The representation of pencils and the word "Pencil" are disclaimed.
FOR FLEXIBLE PLASTIC CASE FOR HOLDING PENCILS, ERASERS AND RULERS ADAPTED FOR MOUNTING IN RING BINDERS.
Claims use since Sept. 22, 1948.

Ser. No. 569,578. H. P. SMITH PAPER COMPANY, Chicago, Ill. Filed Nov. 29, 1948.

LOXOL

FOR POLYETHYLENE COATED PAPER AND PAPERBOARD FOR GENERAL USES.
Claims use since Oct. 21, 1948.

Ser. No. 571,750. J. W. STEELE & Co., North Kansas City, Mo. Filed Jan. 6, 1949.

AERO

FOR GARMENT ACCESSORIES FOR GARMENT MANUFACTURERS AND LAUNDRIES AND CLEANING ESTABLISHMENTS AND COMPRISING COLLAR SUPPORTING AND PROTECTING DEVICES CONSTRUCTED OF PAPER OR CARDBOARD OR LIKE FLEXIBLE MATERIAL FOR NEWLY MADE OR FRESHLY LAUNDERED GARMENT COLLARS.
Claims use since Oct. 1, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 543,825. THE MICRO LIBRARY INCORPORATED, La Crosse, Wis. Filed Dec. 9, 1947.

MICROCARD

FOR PUBLICATIONS IN CARD FORM, REPRODUCED BY PRINTING, PHOTOGRAPHING AND OTHERWISE.
Claims use since November 1947.

Ser. No. 555,765. PHOTOGRAPHERS NATIONAL CLEARING HOUSE, New York, N. Y. Filed Apr. 28, 1948.

PHOTOLOG

FOR CATALOGS OF PHOTOGRAPHS.
Claims use since Jan. 1, 1948.

Ser. No. 559,676. BRADBURY, AGNEW & COMPANY LIMITED, London, England. Filed June 19, 1948.



Applicant claims ownership of British Registration No. 173,322 dated June 10, 1893.
FOR PRINTED PERIODICAL.

Ser. No. 564,819. LAMSON CORPORATION, Syracuse, N. Y. Filed Sept. 8, 1948.

The LAMPOST

FOR HOUSE ORGAN.
Claims use since April 1948.

Ser. No. 569,210. FLOYD M. MIX, doing business as Craftplans, Kansas City, Mo. Filed Nov. 22, 1948.

Craftplans

FOR DESIGNS FOR THE CONSTRUCTION OF ARTICLES OF MANUFACTURE, FURNITURE, MECHANICAL AND ELECTRICAL DEVICES, SOLD AS SUCH.
Claims use since Mar. 15, 1948.

Ser. No. 569,588. BANTAM-LITE, INC., New York, N. Y. Filed Nov. 30, 1948.

TEL—VISION

FOR PLURALITY OF RELATED PICTURES BOUND TOGETHER IN A PACKET AND WHEN VIEWED CONSECUTIVELY IN RAPID SUCCESSION APPEARS AS ANIMATED, SIMULATING MOVING PICTURES.
Claims use since Nov. 18, 1948.

Ser. No. 570,332. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Dec. 10, 1948.

What about me?

FOR COLUMN IN A PERIODICAL PUBLICATION.
Claims use since Oct. 1, 1948.

Ser. No. 570,379. RELIEF PRINTING CORPORATION, Boston, Mass. Filed Dec. 11, 1948.

LOCKED - IN
Draw-pul
CARD-SAVER

No registration rights are claimed for the words "Locked In" and "Card-Saver" apart from the mark.
FOR PRINTED BUSINESS AND PERSONAL CARDS, AND CARRYING CASE THEREFOR, SOLD AS A UNIT.
Claims use since November 1948.

Ser. No. 571,245. AMERICAN BOOK COMPANY, New York, N. Y. Filed Dec. 29, 1948.



Applicant claims ownership of Registration No. 46,735.
FOR BOOKS.
Claims use since Aug. 30, 1948.

Ser. No. 571,417. FIGHT STORIES, INC., New York, N. Y. Filed Dec. 31, 1948. (Sec. 2f.)

FIGHT STORIES

FOR MAGAZINE.
Claims use since Apr. 6, 1928.

Ser. No. 571,963. GARDEN CITY PUBLISHING COMPANY, INC., Garden City, N. Y. Filed Jan. 11, 1949.

SUN DIAL PRESS

The word "Press" is disclaimed. Applicant claims ownership of Registration No. 262,841.
FOR BOOKS.
Claims use since June 1936 as to the mark shown, and since Sept. 10, 1928 as to "Sun Dial."

Ser. No. 572,134. STANDARD GREETINGS, INC., Holyoke, Mass. Filed Jan. 13, 1949.

SUGAR 'N' SPICE

FOR BOX ASSORTMENT OF GREETING CARDS.
Claims use since Sept. 7, 1948.

Ser. No. 572,160. CELLOCRAFT CORPORATION, Chicago, Ill. Filed Jan. 14, 1949.

Social Aids

FOR GREETING CARDS.
Claims use since August 1948.

Ser. No. 572,505. THE LITERARY GUILD OF AMERICA, INC., Garden City, N. Y. Filed Jan. 21, 1949.

YOUNG WINGS

Applicant claims ownership of Registrations Nos. 231,542 and 277,741.
FOR MONTHLY PERIODICAL.
Claims use since September 1929.

Ser. No. 572,555. DOUBLEDAY & COMPANY, INC., Garden City, N. Y. Filed Jan. 22, 1949.



Applicant claims ownership of Registration No. 250,857.
FOR BOOKS.
Claims use since Feb. 21, 1928.

CLASS 39
CLOTHING

Ser. No. 543,811. WM. HABERMAN CORPORATION, New York, N. Y. Filed Dec. 9, 1947. (Sec. 2f.)

Yorke

Applicant claims ownership of Registrations Nos. 89,729, 91,055, 194,647, and 194,648.
FOR SHIRTS, COLLARS, HOSIERY, PAJAMAS, NIGHT SHIRTS AND UNDERWEAR FOR THE USE OF MEN.
Claims use since 1937.

Ser. No. 545,748. MARKS AND SPENCER LIMITED, London, England. Filed Dec. 30, 1947.

ST. MICHAEL

Applicant claims ownership of British Registration No. 616,422 dated Oct. 2, 1941.
FOR HOSIERY AND UNDERWEAR, FOR MEN, WOMEN, CHILDREN AND INFANTS; MEN'S AND BOYS' CARDIGANS, PULLOVERS, SLIPOVERS, SPORT SHIRTS, T SHIRTS, SWEATERS, AND OUTER SHIRTS; MEN'S TROUSERS; BOYS' SUITS AND KNICKERS, MEN'S AND WOMEN'S BOOTS, SHOES, SLIPPERS, SANDALS AND GLOVES (LEATHER AND WOOL); WOMEN'S, CHILDREN'S AND INFANTS' COATS AND DRESSES; WOMEN'S SKIRTS, SLACKS, SHORTS, BLOUSES, AND CORSETRY.

Ser. No. 549,427. THE F. & R. LAZARUS & COMPANY, Columbus, Ohio, assignor to Federated Department Stores, Inc., Cincinnati, Ohio, a corporation of Delaware. Filed Feb. 11, 1948. (Sec. 2f.)

LAZARUS
[illegible] SHELL

FOR BOYS' SPORT COATS, LEISURE COATS, TOPCOATS, OVERCOATS, SUITS AND SWEATERS.
Claims use since Aug. 14, 1940.

Ser. No. 549,998. WILSON BROTHERS, Chicago, Ill. Filed Feb. 17, 1948.

PERMA—STIFF

The word "Stiff" is disclaimed.
FOR NECK BANDS OF SHIRTS.
Claims use since Oct. 3, 1947.

Ser. No. 550,093. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 18, 1948.

HERCULES

Applicant claims ownership of Registrations Nos. 102,766 and 137,442.
FOR MEN'S WEARING APPAREL—NAMELY, GROUP A—SHIRTS; GROUP B—SLACK SUITS, JACKETS, MACKINAWS, RAINWEAR (SLICKER COATS, PANTS, HATS), SPORTS AND WORK COATS; GROUP C—OVERALLS; GROUP D—WORK PANTS; GROUP E—BREECHES; GROUP F—SHIRT AND PANTS OUTFITS; GROUP G—WASH PANTS; GROUP H—HATS, CAPS, GLOVES FORMED OF LEATHER, FABRIC AND COMBINATIONS THEREOF, MITTENS; GROUP I—SHOP APRONS; GROUP J—WOMEN'S WORK CLOTHING—NAMELY, OVERALLS, WORK DRESSES, SHIRTS AND CAPS.
Claims use on Group A since July 15, 1910; on Group B since Oct. 23, 1914; on Group C since July 15, 1923; on Group D since Jan. 15, 1924; on Group E since July 15, 1931; on Group F since Jan. 15, 1940; on Group G since Jan. 15, 1946; on Group H since July 15, 1946; on Group I since Jan. 15, 1947; and on Group J since Jan. 15, 1947.

Ser. No. 553,093. RICHARD FAIRBEND & SONS, INC., Lynn, Mass. Filed Mar. 26, 1948.

"DRAMATICS"

FOR SHOES MADE OF LEATHER, CLOTH, OR REPTILE.
Claims use since Sept. 1, 1947.

Ser. No. 553,502. THE MIDDISHADE COMPANY, INC., Philadelphia, Pa. Filed Mar. 31, 1948.

Middishade

Applicant claims ownership of Registrations Nos. 163,182, 231,278, and 289,744.
FOR MEN'S AND YOUNG MEN'S SUITS, COATS, VESTS AND TROUSERS, OVERCOATS AND TOP COATS.
Claims use since Sept. 10, 1921.

Ser. No. 559,435. ISAAC I. MARRUS, New York, N. Y. Filed Apr. 2, 1948.

MARS

Applicant claims ownership of Registration No. 407,239.
FOR HANDKERCHIEFS.
Claims use since Aug. 3, 1942.

Ser. No. 560,240. WEARPRUF CORPORATION, San Francisco, Calif. Filed June 25, 1948. (Sec. 2f.)

Wearpruf

FOR LADIES' AND MISSES' SLIPS.
Claims use since Mar. 1, 1934.

Ser. No. 560,822. M. & M. KNITTING MILLS, Philadelphia, Pa. Filed July 7, 1948.

DURALASTIC

FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SWEATERS, POLO SHIRTS, KNITTED BATHING SUITS, WOVEN BATHING SUITS, AND SPORT SHIRTS AND SPORT JACKETS, MANUFACTURED OF ALL TYPES OF FIBRES.
Claims use since Oct. 31, 1929.

Ser. No. 563,735. THE GOTTFRIED COMPANY, Cleveland, Ohio. Filed Aug. 19, 1948.

Marie Dressler

The mark is the name of a famous actress, now deceased.
Applicant claims ownership of Registration No. 320,829.
FOR DRESSES.
Claims use since July 1, 1948.

Ser. No. 563,862. PHILIP M. MASSAD, doing business as P. M. Manufacturing Co., Worcester, Mass. Filed Aug. 23, 1948.

PM CorsEArts

The word "Corsetry" is disclaimed.
FOR GIRDLES, CORSETS, AND BRASSIÈRES.
Claims use since Dec. 12, 1945.

Ser. No. 565,198. O'DONNELL SHOE CORPORATION, Humboldt, Tenn. Filed Sept. 15, 1948.

PARTY-TIMER

FOR JUVENILE SHOES.
Claims use since Sept. 3, 1948.

Ser. No. 565,312. THE CAMBRIDGE RUBBER COMPANY, Taneytown, Md., and Cambridge, Mass. Filed Sept. 17, 1948.

Vul-Cork

Applicant disclaims the right to the exclusive use of the word "Cork" alone. Applicant claims ownership of Registration No. 368,002.
FOR SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS OF SAID MATERIALS, SOLES AND HEELS.
Claims use since Aug. 31, 1938.

Ser. No. 565,317. DAVID CRYSTAL, INC., New York, N. Y. Filed Sept. 17, 1948.

IRIGLOW

FOR LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, COVERALLS, JUMPERS, AND MEN' SHIRTS.
Claims use since April 1948.

Ser. No. 565,321. DAVID CRYSTAL, INC., New York, N. Y. Filed Sept. 17, 1948.

WONDERGLOW

FOR LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, COVERALLS, JUMPERS, AND MEN' SHIRTS.
Claims use since June 1948.

Ser. No. 565,819. H. SIEGFRIED & SONS, INC., St. Louis, Mo. Filed Sept. 24, 1948.

"FROSDALE"

FOR MEN'S TROUSERS AND SLACKS.
Claims use since July 15, 1948.

Ser. No. 566,083. MATHEW KEMLER, Medford, Mass. Filed Sept. 29, 1948.

Hansel and Gretel

FOR INFANTS', CHILDREN'S, WOMEN'S, AND MISSES' SHOES.
Claims use since Sept. 14, 1948.

Ser. No. 566,084. KEYSTONE PLASTIC PRODUCTS COMPANY, Harrisburg, Pa. Filed Sept. 29, 1948.

ADJUSTOBIB

FOR BABY BIBS.
Claims use since July 28, 1948.

Ser. No. 566,123. RICHARD DANE, INC., New York, N. Y. Filed Sept. 30, 1948.

Pantykins

FOR BABY PANTS.
Claims use since Jan. 14, 1948.

Ser. No. 566,220. FAMOUS-STERNBERG, INC., New Orleans, La. Filed Oct. 1, 1948.

Lordly

Applicant claims ownership of Registration No. 323,001.
FOR MEN'S AND STUDENTS' PANTS.
Claims use since Oct. 1, 1934.

Ser. No. 566,402. HART SCHAFFNER & MARX, Chicago, Ill. Filed Oct. 4, 1948.

TRANS WORLD

FOR MEN'S AND BOYS' COATS.
Claims use since Aug. 15, 1948.

Ser. No. 568,046. DREAM CRAFT COMPANY, Bethlehem, Pa. Filed Nov. 2, 1948.

Dream Craft

FOR CHILDREN'S, MEN'S, AND WOMEN'S PAJAMAS AND SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, NIGHT SHIRTS.
Claims use since May 5, 1947.

Ser. No. 568,209. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 4, 1948.

J-C

FOR MEN'S, WOMEN'S, AND CHILDREN'S WAISTBAND OVERALLS.
Claims use since Aug. 27, 1948.

Ser. No. 568,242. CORDELL HOSIERY CORPORATION, Greensboro, N. C. Filed Nov. 5, 1948. (Sec. 2f.)

CORDELL
PRECISION
KNIT

The words "Precision" and "Knit" are disclaimed. Applicant claims ownership of Registrations Nos. 402,883 and 398,658.
FOR HOSIERY.
Claims use since Jan. 20, 1940.

Ser. No. 568,248. GREENSBORO OVERALL COMPANY, INC., Greensboro, N. C. Filed Nov. 5, 1948.

BIG OAK

FOR MEN'S AND BOYS' OVERALLS, JACKETS, AND DUNGAREES.
Claims use since Oct. 1, 1948.

Ser. No. 568,249. GREENSBORO OVERALL COMPANY, INC., Greensboro, N. C. Filed Nov. 5, 1948.

RED OAK

FOR MEN'S AND BOYS' OVERALLS, JACKETS, AND DUNGAREES.
Claims use since Oct. 1, 1948.

Ser. No. 568,294. CELEX PRODUCTS CORP., Mamaroneck, N. Y. Filed Nov. 6, 1948.

CELEX

FOR WOMEN'S RAINCOATS.
Claims use since Aug. 15, 1945.

Ser. No. 568,556. DWIGHT S. WILLIAMS COMPANY, INC., New York, N. Y. Filed Nov. 10, 1948. (Sec. 2f.)



THE RAILROAD SOCK

The generic expression "Sock" is disclaimed separately from the mark shown.
FOR SOCKS FOR MEN.
Claims use since 1901.

Ser. No. 568,920. B. ALTMAN & Co., New York, N. Y. Filed Nov. 17, 1948.

balta knits

The word "Knits" is disclaimed. Applicant claims ownership of Registrations Nos. 96,624, 389,163, and 389,184.
FOR BATHING SUITS, SWEATERS, SUITS, AND HATS FOR CHILDREN.
Claims use since Aug. 15, 1934.

Ser. No. 569,814. COHN-GOLDWATER MANUFACTURING COMPANY, Los Angeles, Calif. Filed Dec. 3, 1948.

99'er

FOR MEN'S JEANS, AND SHIRTS, AND WOMEN'S JEANS, SLACKS, PEDAL PUSHERS, SKIRTS, COATS, JACKETS, VESTS, AND SHIRTS.
Claims use since Nov. 17, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 576,665. STA-RITE GINNIE-LOU, INC., Shelbyville, Ill. Filed Apr. 5, 1949.

Ginnie-Lou

FOR HAIR PINS AND BOBBY PINS.
Claims use since December 1935.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 542,952. A. & M. KARAGHEUSIAN, INC., New York, N. Y. Filed Dec. 2, 1947. (Sec. 2f.)

Room-Fit

Applicant claims ownership of Registration No. 359,903.
FOR CARPETS AND TEXTILE RUGS.
Claims use since July 6, 1937.

Ser. No. 551,639. THE KENDALL COMPANY, Walpole, Mass. Filed Mar. 10, 1948.

Sabel

Applicant claims ownership of Registrations Nos. 369,606, 438,951, and 440,753.
FOR WINDOW CURTAINS.
Claims use since Sept. 21, 1945.

Ser. No. 555,358. ASHER & BORETS, INC., New York, N. Y. Filed Apr. 23, 1948.

SHEEPTEX

FOR PYROXALIN AND RUBBER-COATED COTTON FLANNEL FABRICS IN THE PIECE.
Claims use since Feb. 10, 1947.

Ser. No. 577,390. I. B. KLEINERT RUBBER CO., New York, N. Y. Filed Apr. 19, 1949.

TAFFALLURE

FOR SHOWER CURTAINS.
Claims use since Mar. 21, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 503,235. FRED R. WALLICH, doing business as Wallich Laboratories, Los Angeles, Calif. Original filed, act of 1920, June 3, 1946; amended to application under act of 1946, Principal Register, Mar. 22, 1948. (Sec. 2f.)

CLEAR-BANDS

FOR SURGICAL BANDAGES.
Claims use since October 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 506,828. LOBUE BROS., Lindsay, Calif. Original filed, act of 1905, July 26, 1946; amended to application under act of 1946, Principal Register, Aug. 19, 1947.



The word "Rapt," the representation of an orange, and the outline of a label are disclaimed.
FOR FRESH CITRUS FRUITS.
Claims use since June 25, 1946.

Ser. No. 525,487. HOLLY HILL FRUIT PRODUCTS, INCORPORATED, Davenport, Fla. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Sept. 11, 1947. (Sec. 2f.)

HOLLY HILL

Applicant claims ownership of Registrations Nos. 265,592 and 269,586.
FOR FRESH AND CANNED CITRUS FRUITS, CANNED CITRUS FRUIT JUICES, AND CITRUS FRUIT JELLIES AND MARMALADES.
Claims use since Aug. 17, 1924.

Ser. No. 529,745. COLO-FLAVOR PRODUCTS, INC., Palisade, Colo. Filed July 28, 1947.

COLO-SUN

FOR CANNED PEACHES.
Claims use since May 11, 1943.

Ser. No. 531,981. ARMOUR AND COMPANY, doing business as De Sota Creamery and Produce Co., Chicago, Ill. Filed Aug. 21, 1947.

DA-BREAK

FOR FRESH EGGS.
Claims use since 1930.

Ser. No. 532,577. EMPIRE STATE CANNING CO., Rome, N. Y. Filed Aug. 27, 1947. (Sec. 2f.)

Seymour

Applicant claims ownership of Registration No. 179,386.
FOR CANNED VEGETABLES.
Claims use since Aug. 15, 1917.

Ser. No. 532,765. TREASURE CAVE, Faribault, Minn. Filed Aug. 28, 1947.

TREASURE CAVE

FOR CHEESE.
Claims use since Oct. 1, 1936.

Ser. No. 534,604. W. H. CLARK FRUIT COMPANY, Jacksonville, Fla. Filed Sept. 16, 1947.

Juice King

The word "Juice" is disclaimed.
FOR FRESH CITRUS FRUITS.
Claims use since Sept. 25, 1940.

Ser. No. 537,091. SPRINGFIELD GROCER COMPANY, Springfield, Mo. Filed Oct. 7, 1947.

YELLOW BONNET

Applicant claims ownership of Registration No. 216,699.
FOR CANNED FRUIT JUICES, CRANBERRY SAUCE, VEGETABLES, FRUITS, BEANS WITH PORK, EVAPORATED MILK; SALMON, OYSTERS, AND SARDINES; CREAM OF TARTAR "FOR FOOD PURPOSES"; AND SPICES—NAMELY, BLACK PEPPER, WHITE PEPPER, RED PEPPER, ONION SALT, CELERY SALT, GARLIC SALT, MACE, TURMERIC, CHILI POWDER, GINGER, CLOVES, ALLSPICE, NUTMEG, PAPRIKA, PUMPKIN PIE SPICE, MUSTARD, CINNAMON, CELERY SEED, DILL SEED, MUSTARD SEED, CARAWAY SEED, CINNAMON STICK, MIXED PICKLING SPICE, AND BAY LEAVES.
Claims use since September 1924.

Ser. No. 540,753. THE ANDREW RADSEL OYSTER COMPANY, South Norwalk, Conn. Filed Oct. 24, 1947. (Sec. 2f.)

ROBBINS ISLAND OYSTERS
NEW SUFFOLK LONG ISLAND, N.Y.

No claim is made to the exclusive use of the words "Oysters," "New Suffolk," and "Long Island, N. Y." The lining indicates that the words "Robbins Island Oysters" appear in red and the octagonal border appears in black. Applicant claims ownership of Registration No. 300,838.
FOR OYSTERS IN THE SHELL.
Claims use since 1909.

Ser. No. 545,752. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Dec. 30, 1947. (Sec. 2f.)

Lindy

Applicant claims ownership of Registrations Nos. 256,251 and 320,864.
FOR CANNED PEAS AND CANNED CORN.
Claims use since Feb. 1, 1928.

Ser. No. 548,192. 6-O'CLOCK FOODS, INC., Norristown, Pa., and New York, N. Y. Filed Jan. 28, 1948.

6-O'clock

FOR CORN MUFFIN MIX, VANILLA PUDDING, CHOCOLATE PUDDING, BUTTERSCOTCH PUDDING, VANILLA TAPIOCA PUDDING, CHOCOLATE TAPIOCA PUDDING, GINGERBREAD MIX, DEVIL'S FOOD CAKE MIX.
Claims use since Oct. 1, 1926.

Ser. No. 549,486. WHOLESALE GROCERS EXCHANGE, INC., Richmond, Va. Filed Feb. 11, 1948.

Just Suits

Applicant claims ownership of Registration No. 221,052.
FOR CANNED PEACHES, CANNED VEGETABLES, COFFEE, CANNED SALMON, SALAD DRESSING, AND CANNED MEATS—NAMELY, BEEF AND PORK POTTED MEAT FOOD PRODUCT, VIENNA SAUSAGE, CORNED BEEF, AND BULK BREAKFAST SAUSAGE.
Claims use since Apr. 3, 1926.

Ser. No. 551,623. DOLD PACKING CORPORATION, Buffalo, and New York, N. Y. Filed Mar. 10, 1948. (Sec. 2f.)

NIAGARA

Applicant claims ownership of Registrations Nos. 24,267, 137,199, and 238,216.
FOR DRIED BEEF, CANNED LUNCHEON MEAT, FRESH EGGS, VIENNA SAUSAGE, SLICED BACON, CANNED SEMI-BONELESS COOKED PIGS FEET, CANNED CHILI CON CARNE WITH BEANS, CANNED BEEF STEW, CANNED VEAL STEW, CANNED LAMB STEW, ALL BEEF FRANKFURTERS, CANNED CORNED BEEF HASH, PURE PORK SAUSAGE MEAT, WIENERS, CANNED DEVILED HAM, AND LARD.
Claims use since 1888.

Ser. No. 552,135. ESKIMO PIE CORPORATION, Bloomfield, N. J. Filed Mar. 17, 1948.

"PACIFIC SUN"

FOR CHOCOLATE COATING PREPARATIONS FOR COATING ICE CREAM AND OTHER SOLID FOODSTUFFS.
Claims use since Jan. 13, 1948.

Ser. No. 552,585. GIMBAL BROTHERS, San Francisco, Calif. Filed Mar. 20, 1948. (Sec. 2f.)

Gimbals

Applicant claims ownership of Registrations Nos. 266,263, 281,648, and 283,676.
FOR CANDIES, INCLUDING CANDIES CONTAINING CHOCOLATE, JELLIES, MINTS, AND CREAM SPECIALTIES.
Claims use since 1900.

Ser. No. 553,518. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 31, 1948. CERTIFICATION MARK.

PURINA Layena

Applicant claims ownership of Registrations Nos. 312,977 and 389,180.
FOR FRESH EGGS.
Claims use since Aug. 25, 1938.

Ser. No. 554,979. HEMET PACKING CORPORATION, Hemet, Calif. Filed Apr. 19, 1948.

OAK CLIFF

FOR CANNED FRUITS.
Claims use since 1910.

Ser. No. 555,073. ROBERT M. PEEK, doing business as Peek Bros. and Superior Flour Company, Little Rock, Ark. Filed Apr. 20, 1948. (Sec. 2f.)

The MAGIC MILLER'S BEST



The picture of the man which forms a part of the mark is fanciful. Applicant claims ownership of Registration No. 408,615.
FOR WHEAT FLOUR.
Claims use since July 25, 1938.

Ser. No. 555,809. GARDEN GROVE CITRUS ASSOCIATION, Garden Grove, Calif. Filed Apr. 29, 1948.

La Luna

FOR FRESH CITRUS FRUITS.
Claims use since 1933.

Ser. No. 558,487. GUM PRODUCTS, INC., also doing business as Medicated Gum Company, Boston, Mass. Filed June 4, 1948.

B-WISE

FOR CHEWING GUM.
Claims use since January 1942.

Ser. No. 559,050. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.

FUL-O-PEP

Applicant claims ownership of Registrations Nos. 390,109, 188,553, 396,301, and 274,864.
FOR STOCK FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE OAT MEAL, CORN MEAL, HOMINY MEAL, MIDDLINGS, BRAN, ALFALFA MEAL, SOY BEAN MEAL AND MOLASSES.
Claims use since Aug. 13, 1941.

Ser. No. 559,051. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.

FUL-O-PEP



Applicant claims ownership of Registrations Nos. 390,109, 188,553, and others.
FOR POULTRY FEEDS, THE PRINCIPAL INGREDIENTS OF WHICH ARE OAT MEAL, CORN MEAL, HOMINY MEAL, WHEAT MEAL, ALFALFA MEAL, SOY BEAN MEAL, MOLASSES AND MEAT SCRAPS.
Claims use since November 1917.

Ser. No. 561,672. BERT INNES, Merced, Calif. Filed July 19, 1948.



The diagonal lines represent the color green. The word "Freshenized" is disclaimed apart from the mark.
FOR FIGS.
Claims use since Feb. 1, 1948.

Ser. No. 564,140. McVITIE AND PRICE LIMITED, Edinburgh, Scotland. Filed Aug. 25, 1948.



Applicant claims ownership of British Registration No. 283,676 dated June 9, 1906.
FOR CAKES, BISCUITS, BREAD, SHORTBREADS, OATCAKES, WAFERS.

Ser. No. 564,141. McVITIE AND PRICE LIMITED, Edinburgh, Scotland. Filed Aug. 25, 1948.



Applicant claims ownership of British Registration No. 283,937 dated June 20, 1906.
FOR BISCUITS, CAKES, BREAD, SHORT BREADS, OATCAKES, WAFERS.

Ser. No. 567,768. FOOD PRODUCTS COMPANY OF AMERICA, Chicago, Ill. Filed Oct. 28, 1948.

Marlene

FOR MARGARINE.
Claims use since Oct. 11, 1948.

Ser. No. 567,797. PAULA'S CELEBRATED LEBKUCHEN, New York, N. Y. Filed Oct. 28, 1948.

LOVE CAKES

Applicant disclaims the word "Cakes."
FOR "LEBKUCHEN," A BAKERY PRODUCT.
Claims use since Mar. 15, 1948.

Ser. No. 568,779. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Filed Nov. 15, 1948.

TIKE

FOR WHEAT CEREAL FOOD FOR HUMAN CONSUMPTION.
Claims use since Nov. 2, 1948.

Ser. No. 568,990. ABILENE ALFALFA SALES COMPANY, Abilene, Kans. Filed Nov. 18, 1948.

RANGETTES

FOR STOCK FEED CONSISTING OF DEHYDRATED ALFALFA MEAL, UREA, BONE MEAL, AND MOLASSES.
Claims use since July 15, 1948.

Ser. No. 569,236. EDWARD T. YORKE, doing business as Lowna Products, Linden, N. J. Filed Nov. 22, 1948.

LOWNA

FOR BREAD.
Claims use since June 24, 1948.

Ser. No. 569,387. MANLEY, INC., Kansas City, Mo. Filed Nov. 20, 1948.

MOVIE SHOW

FOR POPCORN, RAW AND POPPED, AND FOR SALT SOLD FOR USE ON POPCORN.
Claims use since Oct. 15, 1946.

Ser. No. 569,452. P. D. GWALTNEY JR., & CO., INC., Smithfield, Va. Filed Nov. 26, 1948.

Signal

FOR SLICED, SMOKED BACON.
Claims use since Oct. 10, 1948.

Ser. No. 569,527. LAVISH MACTAVISH PACKING CO., San Francisco, Calif. Filed Nov. 27, 1948.



The word "MacTavish" is disclaimed.
FOR CANDY.
Claims use since Mar. 10, 1948.

Ser. No. 569,909. LEONHARDT SWINGLE, doing business as Valley Date Gardens, Indio, Calif. Filed Dec. 3, 1948. (Sec. 2f.)

Valley Date Gardens

The words "Date Gardens" are disclaimed. Applicant claims ownership of Registration No. 410,264.
FOR FRESH DATES.
Claims use since October 1941.

Ser. No. 570,283. VAN HOLLAND CHOCOLATE CORPORATION, New York, N. Y. Filed Dec. 9, 1948.



FOR CANDY.
Claims use since Nov. 26, 1948.

Ser. No. 570,452. THE WALL ROGALSKY MILLING COMPANY, McPherson, Kans. Filed Dec. 13, 1948.

Fine Feathers



The lines and stippling shown represent shading.
FOR WHEAT FLOUR—NAMELY, BLEACHED SELF-RISING, BLEACHED PHOSPHATED, BLEACHED PHOSPHATED ENRICHED, AND BLEACHED SELF-RISING ENRICHED WHEAT FLOUR.
Claims use since Sept. 27, 1941.

Ser. No. 571,411. S. L. DOUGLASS, Exeter, Calif. Filed Dec. 31, 1948.

Hi Regard

FOR FRESH GRAPES.
Claims use since Oct. 9, 1948.

Ser. No. 571,766. UNIVERSAL MILLS, Fort Worth, Tex. Filed Jan. 6, 1949.

Gold Chain

FOR WHEAT FLOUR AND CORN MEAL.
Claims use since Jan. 10, 1931.

Ser. No. 571,905. THE JEL SERT COMPANY, Chicago, Ill. Filed Jan. 10, 1949. (Sec. 2f.)

Makamix

Applicant claims ownership of Registrations Nos. 347,370 and 414,955.
FOR POWDER CONCENTRATE FOR MAKING MAPLE-FLAVORED TABLE SYRUP.
Claims use since Sept. 27, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 527,740. AUGUST WAGNER BREWERIES, INC., Columbus, Ohio. Filed July 5, 1947.



All wording on the drawing except "Augustiner" is disclaimed apart from the mark as shown.
FOR BEER.
Claims use since Jan. 15, 1907.

Ser. No. 555,868. JOHN F. TROMMER, INC., Brooklyn, N. Y. Filed Oct. 21, 1947. (Sec. 2f.)

John F. Trommer Inc.

"John F. Trommer" is the name of the former president of John F. Trommer, Inc., and the said John F. Trommer deceased about 1899. Applicant claims ownership of Registration No. 408,144.
FOR BEER.
Claims use since Dec. 6, 1933.

Ser. No. 563,182. CHR. HEURICH BREWING CO., Washington, D. C. Filed Aug. 11, 1948.



Applicant disclaims the word "Beer." Applicant claims ownership of Registrations Nos. 30,153, 45,063, and 412,856.
FOR BEER.
Claims use since July 28, 1948.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 550,381. CARMEN BARRANGO, doing business as C. Barrango Co., San Francisco, Calif. Filed Feb. 24, 1948. (Sec. 2f.)

BARRANGO

Applicant claims ownership of Registration No. 392,091.
FOR MANNEQUINS AND DRESS FORMS.
Claims use since Nov. 10, 1922.

Ser. No. 563,289. THE J. R. CLARK COMPANY, Spring Park, Minn. Filed Aug. 12, 1948. (Sec. 2f.)

RID-JID

Applicant claims ownership of Registration No. 230,289.
FOR STEP LADDERS AND STEP LADDER STOOLS.
Claims use since Dec. 21, 1923.

Ser. No. 573,475. DETTRA FLAG COMPANY, INC., Oaks, Pa. Filed Feb. 8, 1949. (Sec. 2f.)

GLORY-GLOSS

FOR FLAGS.
Claims use since 1927.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 570,427. MILES LABORATORIES, INC., Elkhart, Ind. Filed Dec. 13, 1948.

TABASAN

FOR EFFERVESCENT MOUTHWASH.
Claims use since Nov. 22, 1948.

SERVICE MARKS

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 534,466. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Sept. 13, 1947. (Sec. 2f.)

Packard

Applicant claims ownership of Registrations Nos. 47,621 and 389,399.
FOR SERVICE, MAINTENANCE, AND REPAIR OF AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF, AND ACCESSORIES THEREFOR, AND FOR THE INSTALLATION OF REPAIR PARTS FOR SAID AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF, AND ACCESSORIES THEREFOR.
Claims use since 1899.

Ser. No. 545,480. HORTON MANUFACTURING COMPANY, Fort Wayne, Ind. Filed Dec. 26, 1947. (Sec. 2f.)

HORTON

Applicant claims ownership of Registrations Nos. 219,010 and 374,316.
FOR MAINTAINING BY ADJUSTMENT AND CHECKING, AND FOR REPAIRING OF WASHING MACHINES AND IRONING MACHINES AND PARTS THEREOF.
Claims use since November 1937.

Ser. No. 572,862. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Jan. 26, 1940.



The word "Service" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 53,129, 64,900, 133,291, 134,258, 136,876, 264,236, 264,237, 292,168, 298,405, 361,225, 366,402, 366,403, 366,464, 366,465, 366,552, 366,567, 367,442, 377,183, 377,184, 386,968, 387,641, 387,642, 388,773, 389,068, 392,498, 392,505, 397,059, 401,680, 402,061, 402,062, and 402,479.
FOR REPAIR AND MAINTENANCE OF CASH REGISTERS; CREDIT REGISTERS; AUTOGRAPHIC REGISTERS; ACCOUNTING MACHINES; CALCULATING AND COMPUTING MACHINES; COMBINED TYPEWRITING AND CALCULATING MACHINES; POSTAGE METERING MACHINES; ELECTRICAL CREDIT SYSTEMS, AND CREDIT FILING CABINETS.
Claims use since Nov. 23, 1938.

CLASS 104

COMMUNICATION

Ser. No. 539,448. JOE L. SMITH, JR., Charleston, W. Va., assignor to Joe L. Smith, Jr., Inc., Beckley, W. Va., a corporation of West Virginia.

CHARLESTON'S Personality STATION

The words "Charleston's" and "Station" are disclaimed apart from the mark.
FOR RADIO PROGRAM BROADCASTING.
Claims use since Jan. 7, 1947.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 567,664. TELECAST FILMS INC., New York, N. Y. Filed Oct. 26, 1948.

TFI-TV

No registration rights are claimed herein for the letters "TV" apart from the mark as a whole.
FOR RENTING OF MOTION PICTURE FILMS TO TELEVISION BROADCASTING STATIONS.
Claims use since June 15, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,696. LUBRICATING OILS AND GREASES AND GRAPHITE LUBRICANTS. AUSTIN T. COLLINS, doing business as Miracle Lubricating Company, Detroit, Mich., assignor, by mesne assignments, to The A P Parts Corporation, Toledo, Ohio, a corporation of Ohio.
Filed Feb. 6, 1945, Serial No. 479,464. Published Mar. 9, 1948. Class 15.

443,697. GRAPHITE LUBRICANT FOR USE IN PACKING GLANDS. GRANBERG EQUIPMENT, INC., Oakland, Calif.
Filed Aug. 27, 1945, Serial No. 487,618. Published Sept. 27, 1949. Class 15.

443,698. TOYS IN THE NATURE OF MODEL RAILROAD EQUIPMENT—NAMELY, RAILS, SPIKES, TIE STRIPS, TIES, WHEEL AND AXLE ASSEMBLIES. MIDGAGE MODELS, INC., Portsmouth, R. I.
Filed June 18, 1946, Serial No. 504,123. Published Oct. 4, 1949. Class 22.

443,699. CHILDREN'S TOY PUSH TRUCKS. THE MARLAN COMPANY, Elyria and Cleveland, Ohio.
Filed June 28, 1946, Serial No. 504,775. Published Oct. 18, 1949. Class 22.

443,700. LUBRICATING OIL. CHEMICAL CORPORATION OF AMERICA, Los Angeles, Calif.
Filed Aug. 24, 1946, Serial No. 507,967. Published Oct. 4, 1949. Class 15.

443,701. RIGID AND SEMI-RIGID SHEETS COMPRISED OF TEXTILE FABRIC, CORK, WOOD, PAPER, METAL, OR OTHER MATERIAL, LAMINATED OR UNLAMINATED, AND SURFACED WITH RESINOUS PLASTIC MATERIALS, FOR GENERAL USE IN THE INDUSTRIAL ARTS. WESTERN PRODUCTS, INC., Newark, Ohio.
Filed Sept. 26, 1946, Serial No. 509,806. Published Oct. 4, 1949. Class 1.

443,702. NON-MEDICATED SURGICAL PLASTERS AND SURGICAL DRESSINGS. A. DE ST. DALMAS & COMPANY LIMITED, Leicester, England.
Filed Oct. 1, 1946, Serial No. 510,002. Published Oct. 4, 1949. Class 44.

443,703. SINK BOWLS. REF MANUFACTURING CORPORATION, Mineola, N. Y.
Filed Apr. 8, 1947, Serial No. 520,346. Published Oct. 18, 1949. Class 13.

443,704. PERFUME, TOILET WATER, AND COLOGNE. EVELYN WESTALL, New York, N. Y.
Filed May 14, 1947, Serial No. 522,364. Published Oct. 18, 1949. Class 51.

443,705. FISHING REELS. LANGLEY CORPORATION, San Diego, Calif.
Filed May 24, 1947, Serial No. 522,954. Published Oct. 4, 1949. Class 22.

443,706. LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC, IMITATION LEATHERS OR COMPOSITIONS, AND COMBINATIONS THEREOF. DESCO SHOE CORPORATION, Long Island City, N. Y.
Filed June 13, 1947, Serial No. 524,113. Published Oct. 4, 1949. Class 39.

443,707. READY MADE INTERLINERS FOR OUTDOOR GARMENTS. EXCEL GARMENT MANUFACTURING COMPANY, Minneapolis, Minn.
Filed July 2, 1947, Serial No. 525,575. Published Oct. 4, 1949. Class 39.

443,708. FISHING LEADER LINE SPOOL. MAR-O-BLE MANUFACTURING COMPANY, Los Angeles, Calif.
Filed July 4, 1947, Serial No. 526,266. Published Oct. 18, 1949. Class 22.

ACT OF 1946, PRINCIPAL REGISTER

520,120. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, FINGER RINGS. RINGCRAFT INCORPORATED, Detroit, Mich.
Original filed, act of 1905, Aug. 24, 1946; amended to application under act of 1946, Principal Register, Sept. 25, 1947, Serial No. 508,008. Published Oct. 25, 1949. Class 28.

520,121. THERAPEUTIC ELECTRICAL HEATING PADS. ELECTRICAL INDUSTRIES, INC., Newark, N. J.
Original filed, act of 1905, Oct. 4, 1946; amended to application under act of 1946, Principal Register, Feb. 18, 1948, Serial No. 510,242. Published Oct. 4, 1949. Class 44.

520,122. WORK GLOVES MADE OF LEATHER OR FABRIC OR COMBINATIONS THEREOF, WORK SHIRTS, DENIM JACKETS, WAIST BAND AND BIB OVERALLS, AND WORK SUITS. GAMBLE-SKOGMO, INC., Minneapolis, Minn.
Original filed, act of 1905, Nov. 4, 1946; amended to application under act of 1946, Principal Register, Nov. 9, 1948, Serial No. 511,995. Published Oct. 11, 1949. Class 39.

520,123. WATCHES AND CLOCKS. VALJEAN WATCH CO., New York, N. Y.
Original filed, act of 1905, Mar. 5, 1947; amended to application under act of 1946, Principal Register, Jan. 2, 1948, Serial No. 518,575. Published Oct. 25, 1949. Class 27.

520,124. PROPELLERS FOR TOY POWER DRIVEN AIRPLANES. ROBERT J. ROBERTS, doing business as Bob Roberts, Gary, Ind.
Original filed, act of 1905, Mar. 17, 1947; amended to application under act of 1946, Principal Register, Dec. 5, 1947, Serial No. 519,137. Published Oct. 4, 1949. Class 22.

520,125. ARTIFICIAL RESPIRATORS AND RESUSCITATORS. J. H. EMERSON COMPANY, Cambridge, Mass.
Original filed, act of 1905, Apr. 29, 1947; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 521,511. Published Oct. 4, 1949. Class 44.

520,126. VARIOUS RAW MATERIALS SUCH AS GRIT, PIECE STONE, SAND, AND GRAVEL, RESPECTIVELY, SOLD IN BAGS. FRED DABROWSKI, doing business as The Greylock Sand & Gravel Co., Adams, Mass.
Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Nov. 22, 1948, Serial No. 522,280. Published Oct. 25, 1949. Class 1.

520,127. FISHING REELS. JOHN F. REIMESCH, Clifton, N. J.
Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Feb. 11, 1948, Serial No. 522,452. Published Oct. 18, 1949. Class 22.

520,128. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed July 5, 1947, Serial No. 526,577. Published Oct. 4, 1949. Class 22.

520,129. SPRING LOCK WASHERS. EATON MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 5, 1947, Serial No. 527,195. Published Apr. 5, 1949. Class 13.

520,130. CORRUGATED FERROUS METAL, HEADWALLS, ARCHES, BACK-WALLS, RETAINING WALLS, TUNNEL LINING, BRIDGE DECKING, SHEET PILING, ABUTMENT WALLS, CAR SIDING, AND CAISSONS. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation.
Filed July 5, 1947, Serial No. 527,732. Published Oct. 18, 1949. Class 12.

520,131. MEN'S, WOMEN'S, AND CHILDREN'S HOSE. WESTERN HOSIERY COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,946. Published Oct. 11, 1949. Class 39.

520,132. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Salem, Mass.
Filed Aug. 6, 1947, Serial No. 530,673. Published Oct. 4, 1949. Class 22.

520,133. WHEELED VEHICLES — NAMELY, CHILDREN'S VELOCIPEDES. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y.
Filed Aug. 7, 1947, Serial No. 532,977. Published Oct. 4, 1949. Class 22.

520,134. CHAINS FOR GENERAL USE AND PARTICULARLY FOR AUTOMOBILE AND TRACTOR TIRE ANTI-SKID CHAINS. PEERLESS CHAIN COMPANY, Winona, Minn.
Filed Sept. 5, 1947, Serial No. 533,609. Published Oct. 18, 1949. Class 13.

520,135. AUTOMOBILE LUBRICATING OILS AND CUP GREASE. THE PEP BOYS, MANNY, MOE & JACK, Philadelphia, Pa.
Filed Sept. 16, 1947, Serial No. 534,668. Published Sept. 27, 1949. Class 15.

520,136. AUTOMOBILE LUBRICATING OILS AND CUP GREASE. THE PEP BOYS, MANNY, MOE & JACK, Philadelphia, Pa.
Filed Sept. 16, 1947, Serial No. 534,669. Published Sept. 27, 1949. Class 15.

520,137. CUT AND POTTED NATURAL ROSES. ROBERT H. KARSTENS, Pasadena, Calif.
Filed Sept. 19, 1947, Serial No. 535,048. Published Oct. 4, 1949. Class 1.

520,138. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, OVERCOATS, COATS, TROUSERS, SUITS, JACKETS, DRESSES, UNDERWEAR, INDUSTRIAL AND MILITARY UNIFORMS AND SPORTSWEAR, ETC. F. HEFTI & CO. A. G., Hatsingen, Switzerland.
Filed Sept. 23, 1947, Serial No. 535,320. Published Oct. 4, 1949. Class 39.

520,139. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS AND GREASES, EMULSIONS, HEATING AND FUEL OILS, GASOLINE, NAPHTHA AND SOLVENTS, AND PENETRATING OILS. JENNEY MANUFACTURING COMPANY, Boston, Mass.
Filed Sept. 24, 1947, Serial No. 535,535. Published Oct. 4, 1949. Class 15.

520,140. METAL LATH. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed Sept. 29, 1947, Serial No. 536,194. Published Oct. 18, 1949. Class 12.

520,141. FACIAL CREAMS. ELMO, INC., Philadelphia, Pa.
Filed Oct. 7, 1947, Serial No. 537,028. Published Oct. 18, 1949. Class 51.

520,142. MEN'S CLOTHING—NAMELY, SUITS, COATS, JACKETS, AND SLACKS. S. GINSBERG SONS, Baltimore, Md.
Filed Oct. 7, 1947, Serial No. 537,036. Published Oct. 11, 1949. Class 39.

520,143. BABY CHICKS. CARL G. SCHIETINGER, doing business as Sanitary Hatchery, Weimar, Tex.
Filed Oct. 7, 1947, Serial No. 537,082. Published Oct. 4, 1949. Class 1.

520,144. MOTOR LUBRICATING OIL. RENUZIT HOME PRODUCTS CO., Philadelphia, Pa.
Filed Oct. 10, 1947, Serial No. 537,508. Published Sept. 27, 1949. Class 15.

520,145. DRESS SHIRTS, SPORT SHIRTS, AND SPORT COLLARS. JACOB V. COHN, Detroit, Mich.
Filed Oct. 17, 1947, Serial No. 538,099. Published Oct. 4, 1949. Class 39.

520,146. GOLF BALLS AND TENNIS BALLS. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y.
Filed Oct. 17, 1947, Serial No. 538,109. Published Oct. 4, 1949. Class 22.

520,147. BOYS', JUNIORS' AND JUVENILE PANTS, SLACKS, KNICKERS, SHORTS, OVERALLS, OUTER SHIRTS, JACKETS, BLOUSES, ENSEMBLES, SUITS, AND PLAYSUITS. KALAMAZOO PANT COMPANY, Kalamazoo, Mich.
Filed Oct. 21, 1947, Serial No. 538,548. Published Oct. 4, 1949. Class 39.

520,148. ABDOMINAL SUPPORTS. WARD GREEN COMPANY, New York, N. Y.
Filed Oct. 23, 1947, Serial No. 538,831. Published Oct. 4, 1949. Class 44.

520,149. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. LOUIS GOLDSMITH, INC., Philadelphia, Pa.
Filed Oct. 29, 1947, Serial No. 539,413. Published Mar. 22, 1949. Class 39.

520,150. FISHING RODS, FISHING REELS, FISHING LINES, AND ARTIFICIAL FISH BAITS AND LURES. SOUTH BEND BAIT COMPANY, South Bend, Ind.
Filed Oct. 30, 1947, Serial No. 539,571. Published Oct. 4, 1949. Class 22.

520,151. MACHINE STAPLES. A. L. HANSEN MFG. CO., Chicago, Ill.
Filed Nov. 1, 1947, Serial No. 539,875. Published Oct. 18, 1949. Class 13.

520,152. SPORTING GOODS—NAMELY, GOLF BALLS. NEW PROCESS COMPANY, Warren, Pa.
Filed Nov. 4, 1947, Serial No. 540,095. Published Oct. 4, 1949. Class 22.

520,153. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.
Filed Nov. 14, 1947, Serial No. 541,223. Published Oct. 4, 1949. Class 22.

520,154. GASOLINE. THOMPSON PRODUCTS, INC., Cleveland, Ohio.
Filed Nov. 18, 1947, Serial No. 541,607. Published Sept. 27, 1949. Class 15.

520,155. MEN'S SUITS AND OVERCOATS. THE DAYTON COMPANY, Minneapolis, Minn.
Filed Nov. 24, 1947, Serial No. 542,101. Published Oct. 18, 1949. Class 39.

520,156. MEN'S SUITS AND OVERCOATS. THE DAYTON COMPANY, Minneapolis, Minn.
Filed Nov. 24, 1947, Serial No. 542,102. Published Oct. 18, 1949. Class 39.

520,157. GASOLINE, LUBRICATING MOTOR OILS, GREASE COMPOUNDS FOR LUBRICATING PURPOSES, KEROSENE, TRACTOR FUEL OIL, DRIPLESS PENETRATING OIL, AND TOP CYLINDER LUBRICATING OIL. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed Nov. 24, 1947, Serial No. 542,164. Published Oct. 4, 1949. Class 15.

520,158. REFRACTORY MATERIAL COMPRISING DEAD BURNED MAGNESITE FOR MAKING MOLDS AND CORES FOR THE PRODUCTION OF METAL CASTINGS. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed Nov. 25, 1947, Serial No. 542,310. Published Oct. 4, 1949. Class 12.

520,159. GUMMED PAPER TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 542,395. Published Oct. 25, 1949. Class 5.

520,160. ATHLETIC SHOES MADE OF LEATHER, RUBBER OR FABRIC, OR COMBINATIONS THEREOF. BROOKS SHOE MANUFACTURING COMPANY, also doing business as Brooks Shoe Mfg. Co., Philadelphia, Pa.
Filed Nov. 26, 1947, Serial No. 542,437. Published Oct. 4, 1949. Class 39.

520,161. GUMMED PAPER TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Oct. 7, 1947, Serial No. 542,722. Published Oct. 25, 1949. Class 5.

520,162. FINGER RINGS. GRANAT BROS., INC., San Francisco, Calif.
Filed Dec. 2, 1947, Serial No. 542,936. Published Oct. 25, 1949. Class 28.

520,163. GASOLINE, NAPHTHA, KEROSENE, OIL TRACTOR FUEL, AND DISTILLATE BURNING FUEL. THE KANOTEX REFINING COMPANY, Arkansas City, Kans.
Filed Dec. 2, 1947, Serial No. 542,951. Published Oct. 4, 1949. Class 15.

520,164. MATERIAL OF CONSTRUCTION OF THE NATURE OF SELF-HARDENING ORGANIC RESIN COMPOSITION, ETC. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Dec. 3, 1947, Serial No. 543,214. Published Oct. 4, 1949. Class 12.

520,165. CLOTH AND LEATHER BOOTS AND SHOES. THE FLORSHEIM SHOE COMPANY, Chicago, Ill.
Filed Dec. 4, 1947, Serial No. 543,287. Published Oct. 11, 1949. Class 39.

520,166. SIDEWALK BICYCLES, VELOCIPEDES AND PARTS THEREFOR. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y.
Filed Dec. 4, 1947, Serial No. 543,294. Published Oct. 4, 1949. Class 22.

520,167. MEN'S AND BOYS' SUITS, JACKETS, VESTS, TROUSERS, BREECHES, COATS, HATS AND CAPS, AND WOMEN'S COATS, FROCKS, SKIRTS, AND COSTUMES. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Huddersfield, England.
Filed Dec. 8, 1947, Serial No. 543,692. Published Oct. 18, 1949. Class 39.

520,168. KNITTED PULLOVER SWEATERS, VESTS, AND COATS FOR USE BY MEN AND BOYS. NORTH AMERICAN KNITTING CO., Mansfield, Ohio.
Filed Dec. 10, 1947, Serial No. 543,982. Published Oct. 11, 1949. Class 39.

520,169. PETROLEUM AND MINERAL WAXES, SUCH AS PARAFFINS, CERESINES AND OZOKERITE; LUBRICATING OIL; CYLINDER OIL; MOTOR OIL; FUEL OIL; SPINDLE OIL. ALLIED RAW MATERIALS COMPANY, INC., New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,022. Published Oct. 18, 1949. Class 15.

520,170. SPORT JACKETS, AND JACKETS OF LEATHER AND OF WOOL, SPORT SHIRTS, AND WORK AND SPORT PANTS FOR MEN, BOYS, AND WOMEN. N. & W. OVERALL CO., INC., Lynchburg, Va.
Filed Dec. 11, 1947, Serial No. 544,098. Published Oct. 18, 1949. Class 39.

520,171. ARTIFICIAL MINNOWS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed Oct. 3, 1947, Serial No. 544,635. Published Oct. 18, 1949. Class 22.

520,172. FISHING LINE. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed Oct. 3, 1947, Serial No. 544,636. Published Oct. 18, 1949. Class 22.

520,173. STRUCTURAL STEEL FABRICATED FOR THE CONSTRUCTION OF PORTABLE AND PERMANENT STEEL BUILDINGS, ETC. BLAW-KNOX COMPANY, Pittsburgh, Pa.
Filed Oct. 30, 1947, Serial No. 544,672. Published Oct. 18, 1949. Class 12.

520,174. ORNAMENTAL IRON RAILING FOR CONSTRUCTION OF BUILDINGS AND FENCES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,778. Published Oct. 18, 1949. Class 12.

520,175. SURGEON'S GLOVES, CLINICAL THERMOMETERS, PAPER MORTUARY GOWNS, WOOD APPLICATORS, WOOD TONGUE BLADES, HYPODERMIC SYRINGES, BED AND DOUCHE PANS, AND RUBBER SHEETING. MEINECKE & COMPANY, New York, N. Y.
Filed Dec. 20, 1947, Serial No. 545,021. Published Oct. 4, 1949. Class 44.

520,176. GASOLINE. CHARLES ALLEN BECK, Pomona, Calif.
Filed Dec. 22, 1947, Serial No. 545,071. Published Oct. 4, 1949. Class 15.

520,177. TEES FOR GOLF BALLS. R. W. KERR PLASTIC CO., Hastings, Nebr.
Filed Dec. 26, 1947, Serial No. 545,487. Published Oct. 18, 1949. Class 22.

520,178. CONCRETE BUILDINGS AND COMPONENT PARTS OF REINFORCED CONCRETE, ETC. GEORGE H. WEINROTT & COMPANY, Philadelphia, Pa.
Filed Dec. 30, 1947, Serial No. 545,804. Published Oct. 4, 1949. Class 12.

520,179. LIME. THE M. J. GROVE LIME COMPANY OF FREDERICK COUNTY, Lime Kiln, Md.
Filed Aug. 18, 1947, Serial No. 546,151. Published Oct. 4, 1949. Class 12.

520,180. OUTER WASH GARMENTS FOR MEN, WOMEN, AND CHILDREN, AND UNDER WASH GARMENTS—NAMELY, PAJAMAS, UNION SUITS, UNDERDRAWERS, AND UNDERSHIRTS OF TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. EVERFAST FABRICS, INC., New York, N. Y.
Filed Jan. 5, 1948, Serial No. 546,203. Published July 5, 1949. Class 39.

520,181. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INC., Baltimore, Md.
Filed Jan. 8, 1948, Serial No. 546,518. Published Oct. 11, 1949. Class 39.

520,182. HOSIERY. M. K. M. HOSIERY MILLS, INC., Boston, Mass.
Filed Jan. 14, 1948, Serial No. 547,018. Published Oct. 4, 1949. Class 39.

520,183. DOLLS. M. & S. DOLL CO., New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,135. Published Oct. 4, 1949. Class 22.

520,184. MEN'S, WOMEN'S AND CHILDREN'S PAJAMAS, PAJAMA COATS, BEACH COATS, SMOCK COATS, UTILITY COATS, AND BATH ROBES. KAYLON, INCORPORATED, New York, N. Y.
Filed Jan. 17, 1948, Serial No. 547,347. Published Oct. 11, 1949. Class 39.

520,185. BELTS FOR PERSONAL WEAR, GARTERS OR HOSE SUPPORTS AND SUSPENDERS OR BRACES. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Jan. 20, 1948, Serial No. 547,550. Published Oct. 11, 1949. Class 39.

520,186. ARMATURES, GENERATORS, ELECTRIC STARTERS, AND FIELD COILS FOR MOTOR VEHICLES. ARROW ARMATURES COMPANY, doing business as Generator & Armatures Co., Boston, Mass.
Filed Jan. 22, 1948, Serial No. 547,687. Published Oct. 4, 1949. Class 21.

520,187. WIRE MESH FOR REINFORCING CEMENTITIOUS MATERIALS. PLANETT MFG. CO., Downey, Calif.
Filed Jan. 22, 1948, Serial No. 547,764. Published Oct. 18, 1949. Class 12.

520,188. DEER CALL. SPORT LORE, Denver, Colo.
Filed Jan. 23, 1948, Serial No. 547,877. Published Oct. 18, 1949. Class 22.

520,189. LILY BULBS. AMERICAN BULB GROWERS OF CALIFORNIA, INC., San Francisco, Calif.
Filed Jan. 26, 1948, Serial No. 547,959. Published Oct. 4, 1949. Class 1.

520,190. MECHANICAL TOYS OF THE TYPE REPRESENTING A VEHICLE WITH A RIDER THEREON. UNIQUE ART MANUFACTURING COMPANY, INC., Newark, N. J.
Filed Jan. 27, 1948, Serial No. 548,125. Published Oct. 18, 1949. Class 22.

520,191. WEARING APPAREL FOR WOMEN—NAMELY, SWEATERS. PECK & PECK, New York, N. Y.
Filed Feb. 3, 1948, Serial No. 548,686. Published Oct. 11, 1949. Class 39.

520,192. FISH HOOKS AND LEADERS. THE H. & D. FOLSOM ARMS CO. INC., New York, N. Y.
Filed Feb. 4, 1948, Serial No. 548,737. Published Oct. 18, 1949. Class 22.

520,193. ARTIFICIAL FISH BAIT. ART WILLIAMS, Des Moines, Iowa.
Filed Feb. 7, 1948, Serial No. 549,101. Published Oct. 4, 1949. Class 22.

520,194. COMPETITIVE CARD GAME DEALING WITH DISTRIBUTION OF MAIL BY AIR ALONG CERTAIN PRESCRIBED ROUTES. PARKER BROTHERS, INC., Salem, Mass.
Filed Nov. 3, 1947, Serial No. 549,327. Published Oct. 4, 1949. Class 22.

520,195. BOARD GAME. PARKER BROTHERS, INC., Salem, Mass.
Filed Nov. 3, 1947, Serial No. 549,328. Published Oct. 4, 1949. Class 22.

520,196. HOSIERY. MUTUAL BUYING SYNDICATE, INC., New York, N. Y.
Filed Feb. 14, 1948, Serial No. 549,742. Published Oct. 4, 1949. Class 39.

520,197. COTTON KNIT ATHLETIC SHIRTS AND T SHIRTS FOR MEN, WOMEN, AND CHILDREN. WRIGHT'S UNDERWEAR CORPORATION, New York, N. Y.
Filed Feb. 17, 1948, Serial No. 550,000. Published Oct. 11, 1949. Class 39.

520,198. SKIS, SKI POLES, SKI BINDINGS AND METAL EDGES. MARIUS ERIKSEN, Oslo, Norway.
Filed Feb. 21, 1948, Serial No. 550,317. Published Oct. 4, 1949. Class 22.

520,199. TOY MINIATURE HAND OPERATED PHONOGRAPHS. IRA GOLD, Chicago, Ill., assignor to Atlas Toy Company, Chicago, Ill., a corporation of Illinois.
Filed Feb. 21, 1948, Serial No. 550,320. Published Oct. 4, 1949. Class 22.

520,200. RAINCOATS FOR MEN, WOMEN, AND CHILDREN. SYLVIA S. PEDLAR, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 550,340. Published Oct. 11, 1949. Class 39.

520,201. TOY HOLSTERS AND BELTS FOR USE WITH SUCH HOLSTERS. CARNELL MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Feb. 25, 1948, Serial No. 550,484. Published Oct. 4, 1949. Class 22.

520,202. FISH HOOKS. THOMAS HEMMING & SON LIMITED, Redditch, England.
Filed Feb. 28, 1948, Serial No. 550,808. Published Oct. 4, 1949. Class 22.

520,203. TOY RACING CARS AND TOY INTERNAL COMBUSTION ENGINES FOR SUCH RACING CARS. DURO-MATIC PRODUCTS COMPANY, Hollywood, Calif.
Filed Mar. 1, 1948, Serial No. 550,902. Published Oct. 4, 1949. Class 22.

520,204. LUBRICATING OILS. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,327. Published Oct. 18, 1949. Class 15.

520,205. REFINED, SEMI-REFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,328. Published Oct. 18, 1949. Class 15.

520,206. CUTTING OILS, SOLUBLE CUTTING OILS. ESSO STANDARD OIL COMPANY, Wilmington, Del., and New York, N. Y.
Filed Mar. 9, 1948, Serial No. 551,549. Published Sept. 27, 1949. Class 15.

520,207. SHOES, SLIPPERS, AND MOCCASINS MADE OF LEATHER, FABRIC, RUBBER, AND/OR COMBINATIONS THEREOF; RUBBERS, HOSIERY, MITTENS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; SKATING SHOES; TENNIS SHOES; AND BONNETS FOR WOMEN AND CHILDREN. SPENCER SHOE CORPORATION, Boston, Mass.
Filed Mar. 16, 1948, Serial No. 552,095. Published Oct. 4, 1949. Class 39.

520,208. PETROLEUM PRODUCTS—NAMELY, GASOLINE, KEROSENE, BENZENE, LUBRICATING OIL AND GREASES, CRUDE OILS, AND DISTILLATES. TIDE WATER ASSOCIATED OIL COMPANY, San Francisco, Calif.
Filed Dec. 26, 1947, Serial No. 552,371. Published Oct. 18, 1949. Class 15.

520,209. WITHDRAWN.

520,210. DOLLS AND LAYETTES FOR DOLLS. NOMA ELECTRIC CORPORATION, doing business as Fleischaker and Baum Division of Noma Electric Corporation, New York, N. Y.
Filed Mar. 27, 1948, Serial No. 553,211. Published Oct. 4, 1949. Class 22.

520,211. CARD GAMES. MIGUEL LISBOA, New York, N. Y.
Filed Mar. 29, 1948, Serial No. 553,289. Published Oct. 18, 1949. Class 22.

520,212. LUBRICATING OILS AND GREASES AND EMULSIFIED OIL FOR USE WITH ADDITIONS OF WATER IN COATING CONCRETE FORMS. STA-VIS OIL COMPANY, St. Paul, Minn.
Filed Mar. 31, 1948, Serial No. 553,542. Published Sept. 27, 1949. Class 15.

520,213. TACKLE BOXES. STRATTON & TERSTEGGE COMPANY, Louisville, Ky.
Filed Apr. 1, 1948, Serial No. 553,650. Published Oct. 4, 1949. Class 22.

520,214. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Apr. 2, 1948, Serial No. 553,751. Published Oct. 11, 1949. Class 39.

520,215. PLAY DESK WITH TOYS FOR THE USE BY CHILDREN. PRODUCTION ENTERPRISES, INC., Brooklyn and New York, N. Y.
Filed Apr. 12, 1948, Serial No. 554,410. Published Oct. 4, 1949. Class 22.

520,216. GARMENT BELTS. KRASNOW BELT CO., INC., New York, N. Y.
Filed Apr. 13, 1948, Serial No. 554,501. Published Oct. 18, 1949. Class 39.

520,217. PREPARED DRY MATERIAL COMPRISING, GRANITE, QUARTZ, AND CEMENT READY TO BE MIXED WITH ADDED WATER AND APPLIED AS A WEARING COURSE FOR CONCRETE FLOORS. GIBRALTAR FLOORS, INC., Detroit, Mich.
Filed Apr. 14, 1948, Serial No. 554,561. Published Oct. 4, 1949. Class 12.

520,218. CARD GAME WITH A SCORE BOARD. TRYSTAN GAME COMPANY, Reno, Nev.
Filed Apr. 14, 1948, Serial No. 554,631. Published Oct. 4, 1949. Class 22.

520,219. HOSIERY. THE WOHL SHOE COMPANY, St. Louis, Mo.
Filed Apr. 20, 1948, Serial No. 555,133. Published Oct. 18, 1949. Class 39.

520,220. MEN'S, WOMEN'S AND CHILDREN'S OUTER GARMENTS—NAMELY, SUITS, COATS, JACKETS, DRESSES, TROUSERS, SLACKS, SHIRTS, WAISTS, AND SKIRTS; LADIES' AND MISSES' ENSEMBLES—NAMELY, COATS, DRESSES, HATS, AND HAND BAGS SOLD AS UNIT ASSEMBLIES; MILLINERY—NAMELY, BONNETS, CAPS, HATS AND SCARFS; AND MEN'S, WOMEN'S, AND CHILDREN'S SHORTS. FORSTMANN WOOLEN COMPANY, Passaic, N. J.
Filed Apr. 23, 1948, Serial No. 555,401. Published Oct. 19, 1948. Class 39.

520.221. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER, RUBBER, FIBRE, OR TEXTILE MATERIAL. PAUL C. WOLFER, Wellesley Hills, Mass.
Filed Apr. 23, 1948, Serial No. 555,468. Published Oct. 18, 1949. Class 39.

520,222. OIL BASE DRILLING FLUID. OIL BASE, INC., Compton, Calif.
Filed Apr. 29, 1948, Serial No. 555,835. Published Oct. 25, 1949. Class 12.

520,223. LUBRICATING OIL. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y.
Filed Apr. 29, 1948, Serial No. 555,850. Published Sept. 27, 1949. Class 15.

520,224. HOSIERY. SAKS & COMPANY, New York, N. Y.
Filed Apr. 30, 1948, Serial No. 555,960. Published Oct. 18, 1949. Class 39.

520,225. ANTHELMINTICS, ANTIGENS, BACTERINS, DISINFECTANTS, FUMIGANTS, HERBICIDES, ETC. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed Apr. 30, 1948, Serial No. 555,963. Published Sept. 27, 1949. Class 6.

520,226. CARNIVAL AMUSEMENT RIDING DEVICE—NAMELY, A ROUNDABOUT HAVING PASSENGER CARS. C-CRUISER CORPORATION, West Salem, Oreg.
Filed May 1, 1948, Serial No. 555,989. Published Oct. 4, 1949. Class 22.

520,227. MEN'S, WOMEN'S, BOYS', AND GIRLS' PAJAMAS. ALVIN NATELSON, Amityville, N. Y.
Filed May 5, 1948, Serial No. 556,272. Published Oct. 4, 1949. Class 39.

520,228. DRY COMPOUNDS EXHIBITING CHARACTERISTICS WHEREOF THE STATIC AND DYNAMIC COEFFICIENTS OF FRICTION ARE IN BALANCE TO THE EXTENT OF ELIMINATING SPASMODIC ACTIONS, VIBRATIONS AND NOISES WHEN EMPLOYED BETWEEN FRICTIONALLY OPPOSED MEMBERS. JOHN WARREN WATSON COMPANY, Philadelphia, Pa.
Filed May 5, 1948, Serial No. 556,300. Published Oct. 4, 1949. Class 15.

520,229. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART SCHAFFNER & MARX, Chicago, Ill.
Filed May 6, 1948, Serial No. 556,336. Published Oct. 18, 1949. Class 39.

520,230. WOMEN'S SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. KIMEL SHOE COMPANY, INC., Boston, Mass.
Filed May 8, 1948, Serial No. 556,586. Published Oct. 4, 1949. Class 39.

520,231. FISHING EQUIPMENT—NAMELY, FISHING RODS, REELS, LINES, HOOKS, ARTIFICIAL LURES. GEORGE A. CUMMINS, doing business as Fishocrat Creations, San Francisco, Calif.
Filed May 12, 1948, Serial No. 556,873. Published Oct. 4, 1949. Class 22.

520,232. PEARL NECKLACES, PEARL EARRINGS, PEARL BRACELETS AND PEARL BROOCHES, AND STRINGS OF PEARLS, NOT INCLUDING WATCHES. WEINRICH BROTHERS COMPANY, New York, N. Y.
Filed May 19, 1948, Serial No. 557,419. Published Oct. 25, 1949. Class 28.

520,233. CHILDREN'S TRICYCLES, SCOOTERS, PEDAL CARS, TOY WAGONS, AND TOY CARTS. WILLIAM S. MOORE, doing business as Moore's of Ohio, Newark, Ohio.
Filed May 20, 1948, Serial No. 557,458. Published Oct. 4, 1949. Class 22.

520,234. MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. FRENCH, SHRINER & URNER MANUFACTURING CO., Boston, Mass.
Filed May 21, 1948, Serial No. 557,516. Published Oct. 18, 1949. Class 39.

520,235. THERAPEUTIC APPLIANCES IN THE FORM OF A METALLIC PLATE ADAPTED TO BE WORN NEXT THE SKIN FOR RELIEF OF RHEUMATIC AND ARTHRITIC PAINS. THE EUREKA COPPERSMITH AND PLUMBING CO., INC., Baltimore, Md.
Filed May 24, 1948, Serial No. 557,662. Published Oct. 4, 1949. Class 44.

520,236. ADHESIVE CEMENTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 24, 1948, Serial No. 557,681. Published Oct. 25, 1949. Class 5.

520,237. DOLLS. IDEAL NOVELTY & TOY CO., Hollis, N. Y.
Filed May 26, 1948, Serial No. 557,849. Published Oct. 4, 1949. Class 22.

520,238. ADHESIVE FOR LAYING LINOLEUM. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed May 28, 1948, Serial No. 558,058. Published Oct. 18, 1949. Class 5.

520,239. SHOE CLEATS. JOHN T. RIDDELL, INC., Chicago, Ill.
Filed May 29, 1948, Serial No. 558,165. Published Oct. 18, 1949. Class 13.

520,240. DOLLS. IDEAL NOVELTY & TOY CO., Hollis, N. Y.
Filed June 3, 1948, Serial No. 558,392. Published Oct. 4, 1949. Class 22.

520,241. GIRLS' AND CHILDREN'S COATS. GASTWIRTH BROS., New York, N. Y., and Philadelphia, Pa.
Filed June 4, 1948, Serial No. 558,485. Published Oct. 4, 1949. Class 39.

520,242. SOLVENT-TYPE ADHESIVE FOR JOINING ARTICLES TO WOOD, METAL, CONCRETE, OR PLASTER SURFACES. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed June 5, 1948, Serial No. 558,588. Published Oct. 25, 1949. Class 5.

520,243. GASOLINE AND LUBRICATING OIL. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed June 7, 1948, Serial No. 558,977. Published Oct. 4, 1949. Class 15.

520,244. BOARD GAME PLAYED WITH PICTORIAL ANIMALS AND POULTRY AND SPINNER. SELCHOW & RIGHTER COMPANY, New York, N. Y.
Filed June 11, 1948, Serial No. 559,059. Published Oct. 18, 1949. Class 22.

520,245. REFRACTORY BRICK. TOMKINS BROTHERS, Newark, N. J.
Filed June 11, 1948, Serial No. 559,069. Published Oct. 18, 1949. Class 12.

520,246. CATAPULTS POPULARLY KNOWN AS SLING SHOTS. WILLIAM L. WALKER, Athens, Ga.
Filed June 14, 1948, Serial No. 559,195. Published Oct. 4, 1949. Class 22.

520,247. LADIES' AND MISSES' SHOES, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS, OR COMBINATIONS THEREOF. GREGORY & READ CO., Lynn, Mass.
Filed June 19, 1948, Serial No. 559,703. Published Oct. 11, 1949. Class 39.

520,248. ARTIFICIAL FISH LURES. ROBERT PAUL SCHIFFMANN, doing business as Guarantee Manufacturing Co., Chicago, Ill.
Filed June 23, 1948, Serial No. 560,057. Published Oct. 4, 1949. Class 22.

520,249. REDDISH AMBER LIQUID OF OLEAGINOUS NATURE USED FOR LUBRICATION AND CONVECTING HEAT IN THE OPERATION OF METAL CUTTING, DRILLING. HAAS-MILLER CORPORATION, Philadelphia, Pa.
Filed June 24, 1948, Serial No. 560,105. Published Oct. 4, 1949. Class 15.

520,250. WIRE CHAINS IN COIL, TRACTOR CHAINS, TIRE CHAINS, TRUCK CHAINS, ETC. THE HODELL CHAIN COMPANY, Cleveland, Ohio.
Filed June 26, 1948, Serial No. 560,269. Published Oct. 18, 1949. Class 13.

520,251. ADHESIVE CEMENTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed June 28, 1948, Serial No. 560,341. Published Oct. 25, 1949. Class 5.

520,252. SHOES. M. BECKERMAN & SONS, INC., New York, N. Y.
Filed July 1, 1948, Serial No. 560,529. Published Oct. 4, 1949. Class 39.

520,253. SHOES. M. BECKERMAN & SONS, INC., New York, N. Y.
Filed July 1, 1948, Serial No. 560,531. Published Oct. 4, 1949. Class 39.

520,254. POWDERED MIXED FERRITES USED FOR MAKING CORES FOR HIGH FREQUENCY INDUCTANCE COILS. STACKPOLE CARBON COMPANY, St. Marys, Pa.
Filed July 3, 1948, Serial No. 560,729. Published Oct. 4, 1949. Class 1.

520,255. FIBRE SLIVER. WINSLOW BROS. & SMITH CO., doing business as Francis Willey and Co., Boston, Mass.
Filed July 7, 1948, Serial No. 560,853. Published Oct. 4, 1949. Class 1.

520,256. ARTIFICIAL TEETH. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y.
Filed July 8, 1948, Serial No. 560,869. Published Oct. 25, 1949. Class 44.

520,257. DOLLS. AMERICAN CHARACTER DOLL CO., New York, N. Y.
Filed July 10, 1948, Serial No. 561,067. Published Oct. 4, 1949. Class 22.

520,258. WOMEN'S SHOES. JOHN IRVING SHOE CORPORATION, Boston, Mass.
Filed July 13, 1948, Serial No. 561,244. Published Oct. 18, 1949. Class 39.

520,259. SATIN JACKETS. TRI SPORTSWEAR, INC., New York, N. Y.
Filed July 13, 1948, Serial No. 561,274. Published Oct. 11, 1949. Class 39.

520,260. PIPE COUPLINGS AND PIPE UNIONS AND PARTS THEREOF. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed July 17, 1948, Serial No. 561,649. Published Oct. 18, 1949. Class 13.

520,261. PIPE COUPLINGS AND PIPE UNIONS AND PARTS THEREOF. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed July 17, 1948, Serial No. 561,650. Published Oct. 18, 1949. Class 13.

520,262. WIRE SCREEN CLOTH. MASBACK INCORPORATED, New York, N. Y.
Filed July 21, 1948, Serial No. 561,840. Published Oct. 18, 1949. Class 13.

520,263. TOILET SEATS. ROBERT E. BOYSE, doing business under the name and style B. & P. Research & Sales Co., Saginaw, Mich.
Filed July 22, 1948, Serial No. 561,877. Published Oct. 18, 1949. Class 13.

520,264. WOMEN'S HOSIERY. HARRY SKLAROFF SONS, INC., Philadelphia, Pa.
Filed July 23, 1948, Serial No. 562,089. Published Oct. 18, 1949. Class 39.

520,265. SKIS. S. L. ALLEN & CO., INC., Philadelphia Pa.
Filed July 27, 1948, Serial No. 562,236. Published Oct. 18, 1949. Class 22.

520,266. WOMEN'S HOSIERY. DABBY HOSIERY CO., New York, N. Y.
Filed July 30, 1948, Serial No. 562,545. Published Oct. 18, 1949. Class 39.

520,267. NURSERY COTTON AND DENTAL FLOSS. THE KENDALL COMPANY, Boston, Mass.
Filed Aug. 10, 1948, Serial No. 563,123. Published Oct. 25, 1949. Class 44.

520,268. GOLF BAGS. HUGHES-CONSOLIDATED, INC., Newark, N. J.
Filed Aug. 18, 1948, Serial No. 563,679. Published Oct. 4, 1949. Class 22.

520,269. OUTER SHIRTS FOR MEN AND BOYS. ARKWRIGHT, INCORPORATED, New York, N. Y.
Filed Mar. 4, 1948, Serial No. 563,974. Published Oct. 11, 1949. Class 39.

520,270. GAME PLAYED WITH RACKETS AND BALLS. PARKER BROTHERS, INC., Salem, Mass.
Filed Apr. 15, 1948, Serial No. 564,016. Published Oct. 4, 1949. Class 22.

520,271. SKIN AND HAIR CREAMS AND SHAMPOOS. DUON, INC., Coral Gables, Fla., and Dayton, Ohio.
Filed Aug. 30, 1948, Serial No. 564,877. Published Oct. 4, 1949. Class 51.

520,272. LOCK WASHERS. HOBBS MANUFACTURING COMPANY, Worcester, Mass.
Filed Sept. 17, 1948, Serial No. 565,338. Published Oct. 18, 1949. Class 13.

520,273. GLUE. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed Sept. 22, 1948, Serial No. 565,609. Published Oct. 18, 1949. Class 5.

520,274. JOINTING MATERIAL EMPLOYED IN LAYING FIREBRICK WHICH ARE EXPOSED TO MOLTEN METAL. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Sept. 22, 1948, Serial No. 565,643. Published Oct. 4, 1949. Class 12.

520,275. AUTOMOBILE TIRE CHAINS. MADS MARTHINSEN, Michigan City, Ind.
Filed Sept. 23, 1948, Serial No. 565,711. Published Oct. 18, 1949. Class 13.

520,276. AUTOMATIC TEMPERATURE AND PRESSURE RELIEF VALVES. WATTS REGULATOR CO., Lawrence, Mass.
Filed Sept. 27, 1948, Serial No. 565,983. Published Oct. 18, 1949. Class 13.

520,277. METAL BALE TIES. THE CALIFORNIA WIRE CLOTH CORPORATION, Oakland, Calif.
Filed Sept. 29, 1948, Serial No. 566,433. Published Oct. 18, 1949. Class 13.

520,278. ROUGE, FACE POWDER, PERFUME, TOILET WATER, SACHET IN PERFUMED CONTAINERS, BATH POWDER, BATH SALTS, COLOGNE, ETC. LEONARD FRIEDBERG, New York, N. Y.
Filed Oct. 8, 1948, Serial No. 566,703. Published Oct. 4, 1949. Class 51.

520,279. METAL BALE TIES. THE CALIFORNIA WIRE CLOTH CORPORATION, Oakland, Calif.
Filed Oct. 9, 1948, Serial No. 566,745. Published Oct. 18, 1949. Class 13.

520,280. PLUMBING FIXTURES—NAMELY, WATER CLOSETS. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed Oct. 9, 1948, Serial No. 566,746. Published Oct. 18, 1949. Class 13.

520,281. RIVETS. L. J. MILEY COMPANY, Chicago, Ill.
Filed Oct. 14, 1948, Serial No. 566,992. Published Oct. 18, 1949. Class 13.

520,282. SHOES OF LEATHER, FABRIC AND RUBBER, AND COMBINATIONS THEREOF. G. R. KINNEY CO., INC., New York, N. Y.
Filed Oct. 20, 1948, Serial No. 567,262. Published Oct. 18, 1949. Class 39.

520,283. LIQUID ADHESIVE. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed Nov. 12, 1948, Serial No. 568,625. Published Oct. 4, 1949. Class 5.

520,284. FUEL OIL SLUDGE DISPERSING CHEMICAL AGENT. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed Nov. 19, 1948, Serial No. 569,068. Published Oct. 4, 1949. Class 52.

520,285. GUMMED TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Nov. 23, 1948, Serial No. 569,280. Published Oct. 4, 1949. Class 5.

520,286. PEARL EARRINGS, PEARL BROOCHES, STRINGS OF PEARLS, PEARL NECKLACES, AND PEARL BRACELETS, NOT INCLUDING WATCHES. WEINREICH BROTHERS COMPANY, New York, N. Y.
Filed Dec. 10, 1948, Serial No. 570,341. Published Oct. 25, 1949. Class 28.

520,287. WATCHES. FELIX AMSTEL, doing business as Amstel Trading Co., New York, N. Y.
Filed Jan. 6, 1949, Serial No. 571,699. Published Oct. 25, 1949. Class 27.

520,288. WATCH MOVEMENTS AND WRIST AND POCKET WATCHES. JEAN R. GRAEF, INC., New York, N. Y.
Filed Jan. 6, 1949, Serial No. 571,722. Published Oct. 25, 1949. Class 27.

520,289. WATCHES AND PARTS THEREOF. GIGANTIC S. A., Geneva, Switzerland.
Filed Jan. 22, 1949, Serial No. 572,560. Published Oct. 25, 1949. Class 27.

520,290. WATCHES AND PARTS OF WATCHES. MULCO, S. A., La Chaux-de-Fonds, Switzerland.
Filed Jan. 24, 1949, Serial No. 572,677. Published Oct. 25, 1949. Class 27.

520,291. WATCHES. THE HENRI STERN WATCH AGENCY, INC., New York, N. Y.
Filed Jan. 29, 1949, Serial No. 573,062. Published Oct. 25, 1949. Class 27.

520,292. STERLING SILVER FLATWARE AND HOLLOW WARE. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn.
Filed Feb. 1, 1949, Serial No. 573,122. Published Oct. 25, 1949. Class 28.

520,293. JEWELRY CHAINS MADE OF PRECIOUS AND NON-PRECIOUS METALS. SANTA FE MANUFACTURING CORP., New York, N. Y.
Filed Feb. 2, 1949, Serial No. 573,201. Published Oct. 25, 1949. Class 28.

520,294. WATCHES, WATCH MOVEMENTS, WATCH CASES, CLOCKS, AND PARTS THEREOF. ADOLF THOMMEN, Tecknau, near Basel, Switzerland.
Filed Feb. 8, 1949, Serial No. 573,511. Published Oct. 25, 1949. Class 27.

520,295. WATCHES, WATCH MOVEMENTS, WATCH CASES, CLOCKS, AND PARTS THEREOF. ADOLF THOMMEN, Tecknau, near Basel, Switzerland.
Filed Feb. 8, 1949, Serial No. 573,512. Published Oct. 25, 1949. Class 27.

520,296. CLOCKS. REXALL DRUG COMPANY, Los Angeles, Calif.
Filed Feb. 9, 1949, Serial No. 573,572. Published Oct. 25, 1949. Class 27.

520,297. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,615. Published Oct. 25, 1949. Class 28.

520,298. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,616. Published Oct. 25, 1949. Class 28.

520,299. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,618. Published Oct. 25, 1949. Class 28.

520,300. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,623. Published Oct. 25, 1949. Class 28.

520,301. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,627. Published Oct. 25, 1949. Class 28.

520,302. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,630. Published Oct. 25, 1949. Class 28.

520,303. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,632. Published Oct. 25, 1949. Class 28.

520,304. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,633. Published Oct. 25, 1949. Class 28.

520,305. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,634. Published Oct. 25, 1949. Class 28.

520,306. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,637. Published Oct. 25, 1949. Class 28.

520,307. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,638. Published Oct. 25, 1949. Class 28.

520,308. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,639. Published Oct. 25, 1949. Class 28.

520,309. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,640. Published Oct. 25, 1949. Class 28.

520,310. WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1949, Serial No. 573,641. Published Oct. 25, 1949. Class 28.

520,311. STERLING SILVER FLATWARE. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn.
Filed Feb. 11, 1949, Serial No. 573,714. Published Oct. 25, 1949. Class 28.

520,312. WATCHES AND WATCH MOVEMENTS. OMODOX WATCH G. M. B. H., Lengnau, Switzerland.
Filed Feb. 15, 1949, Serial No. 573,890. Published Oct. 25, 1949. Class 27.

520,313. STERLING SILVER FLATWARE. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn.
Filed Feb. 18, 1949, Serial No. 574,092. Published Oct. 25, 1949. Class 28.

520,314. WATCH AND CLOCK SPRINGS. M. J. LAMPERT & SONS, INC., New York, N. Y.
Filed Feb. 18, 1949, Serial No. 574,102. Published Oct. 25, 1949. Class 27.

520,315. WATCHES, MORE ESPECIALLY WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Feb. 24, 1949, Serial No. 574,406. Published Oct. 25, 1949. Class 27.

520,316. WATCHES, WATCH PARTS AND MOVEMENTS, WATCH CASES, AND CLOCKS. HYDE & BATES INC., New York, N. Y.
Filed Feb. 24, 1949, Serial No. 574,433. Published Oct. 25, 1949. Class 27.

520,317. WATCHES. B. ALTMAN & Co., New York, N. Y.
Filed Feb. 26, 1949, Serial No. 574,563. Published Oct. 25, 1949. Class 27.

520,318. SKIS AND SKI POLES. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed June 8, 1949, Serial No. 580,153. Published Oct. 4, 1949. Class 22.

Certification Mark

520,319. WOOD SHEETS, SLABS, OR STRIPS, INCLUDING PLYWOOD PANELS, HAVING ON ONE OR MORE SURFACES THEREOF, A CONTINUOUS LAYER OF SUBSTANTIAL THICKNESS OF A MIXTURE OF WOOD PARTICLES AND A BINDER PRESENTING A SMOOTH, OUTER SURFACE. ARTHUR R. WELCH, Aberdeen, Wash.
Filed Sept. 5, 1947, Serial No. 533,653. Published Oct. 18, 1949. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

520,320. (CLASS 38. PRINTS AND PUBLICATIONS.) HERMAN SOPHER, Baltimore, Md. Original filed, act of 1905, Feb. 12, 1946; amended to application under act of 1946, Principal Register, Jan. 26, 1949; amended to Supplemental Register, Aug. 26, 1949, Serial No. 496,483.

ROY EDWARDS

The name "Roy Edwards" does not identify any particular living individual.
FOR RACING INFORMATION OR SELECTION CARDS OR SHEETS PUBLISHED DAILY OR PERIODICALLY.
Claims use since June 11, 1935.

520,321. (CLASS 39. CLOTHING.) GREAT AMERICAN KNITTING MILLS, INC., Bechtelsville, Pa. Original filed, act of 1946, Principal Register, July 18, 1947; amended to application, Supplemental Register, Dec. 14, 1948, Serial No. 528,859.

HANDKRAFT

FOR HOSIERY.
Claims use since Dec. 12, 1933.

520,322. (CLASS 38. PRINTS AND PUBLICATIONS.) WOMEN'S WEAR COMPANY, New York, N. Y., now by consolidation Fairchild Publications, Inc., a corporation of New York. Original filed, act of 1946, Principal Register, Nov. 12, 1947; amended to application, Supplemental Register, June 1, 1948, Serial No. 546,951.

RETAILING home furnishings

Applicant claims ownership of Registration No. 248,578.
FOR SEMI-WEEKLY NEWSPAPER.
Claims use since Sept. 19, 1931.

520,323. (CLASS 12. CONSTRUCTION MATERIALS.) MEXICO REFRACTORIES COMPANY, Mexico, Mo. Original filed, act of 1946, Principal Register, Nov. 22, 1947; amended to application, Supplemental Register, Oct. 8, 1948, Serial No. 542,037.

SPRAY MIX

FOR REFRACTORY COATING MATERIAL FOR REPAIRING SPALLED OR DAMAGED REFRACTORY WALLS AND FOR BUILDING UP THE MATERIAL OF REFRACTORY WALLS.
Claims use since Nov. 16, 1934.

520,324. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THE ORR FELT & BLANKET COMPANY, Piqua, Ohio. Original filed, act of 1946, Principal Register, Jan. 5, 1948; amended to application, Supplemental Register, Aug. 30, 1949, Serial No. 546,235.

Orrspun PRISCILLA

Applicant claims ownership of Registration No. 417,815.
FOR BLANKETS.
Claims use since Apr. 7, 1947.

520,325. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLEASON'S CATERING SERVICE, Salem, Oreg. Original filed, act of 1946, Principal Register, Feb. 24, 1948; amended to application, Supplemental Register, Oct. 18, 1949, Serial No. 550,407.

Gleason's

FOR FRENCH DRESSING.
Claims use since Feb. 5, 1948.

520,326. (CLASS 39. CLOTHING.) JACK N. BERNSTOCK, doing business as Standard Kiddies Sportswear, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Mar. 8, 1948; amended to application, Supplemental Register, Apr. 15, 1949, Serial No. 551,435.

QUIK-EN-EZY

FOR CHILDREN'S SNOW SUITS.
Claims use since Feb. 17, 1948.

520,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALL PACKING COMPANY, Sanger, Calif. Original filed, act of 1946, Principal Register, March 8, 1948; amended to application, Supplemental Register, Nov. 21, 1949, Serial No. 551,450.

VINE SWEETS

Applicant claims ownership of Registration No. 374,323.
FOR FRESH GRAPES.
Claims use since Aug. 30, 1937.

520,328. (CLASS 39. CLOTHING.) THE ENRO SHIRT COMPANY, Louisville, Ky. Original filed, act of 1946, Principal Register, Mar. 17, 1948; amended to application, Supplemental Register, May 28, 1949, Serial No. 552,132.

Styles of Tomorrow . . . Today

Applicant claims ownership of Registration No. 313,982.
FOR DRESS, NEGLIGEE AND WORK SHIRTS, PAJAMAS, AND MEN'S UNDERWEAR.
Claims use since April 1933.

520,329. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) N. PORTER SADDLE AND HARNESS COMPANY, Phoenix, Ariz. Original filed, act of 1946, Principal Register, Mar. 31, 1948; amended to application, Supplemental Register, Mar. 28, 1949, Serial No. 553,511.

GENUINE *Shelton*

FOR SADDLES, SADDLE TREES, AND SADDLE TREE HORNS.
Claims use since July 10, 1947.

520,330. (CLASS 7. CORDAGE.) CARDINAL MILLS, INC., Long Island City, N. Y. Original filed, act of 1946, Principal Register, June 2, 1948; amended to application, Supplemental Register, Sept. 22, 1949, Serial No. 558,280.

Bunday Tye

FOR FLAT RIBBON-LIKE MATERIAL USED FOR TYING UP AND ORNAMENTING PACKAGES, BOXES AND OTHER CONTAINERS.
Claims use since February 1948.

520,331. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PENN LUGGAGE COMPANY, Philadelphia, Pa. Original filed, act of 1946, Principal Register, June 23, 1948; amended to application, Supplemental Register, June 27, 1949, Serial No. 560,040.

Penn Lite

FOR LUGGAGE—NAMELY, OVERNIGHT CASES, WARDROBE CASES, PULLMAN CASES, HAT BOXES, SHOE BOXES, AND TWO SUITERS.
Claims use since June 16, 1948.

520,332. (CLASS 38. PRINTS AND PUBLICATIONS.) STORE MODERNIZATION SHOW, INC., New York, N. Y. Original filed, act of 1946, Principal Register, July 22, 1948; amended to application, Supplemental Register, Oct. 19, 1949, Serial No. 561,951.

STORE MODERNIZATION *Reporter*

FOR QUARTERLY PUBLICATION.
Claims use since July 6, 1948.

520,333. (CLASS 38. PRINTS AND PUBLICATIONS.) HANNAH CARTER, Mamaroneck, N. Y. Original filed, act of 1946, Principal Register, July 29, 1948; amended to application, Supplemental Register, Oct. 17, 1949, Serial No. 562,447.

ANN SHANNON

FOR COMIC STRIPS AND NEWSPAPER COLUMNS FOR ADVERTISING OR ENTERTAINMENT PURPOSES.
Claims use since Mar. 3, 1948.

520,334. (CLASS 38. PRINTS AND PUBLICATIONS.) FRED KOHLER, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 9, 1948; amended to application, Supplemental Register, Sept. 22, 1949, Serial No. 564,880.

Wrestling AS YOU LIKE IT

FOR PERIODICAL DEVOTED TO SPORTS PUBLISHED WEEKLY.
Claims use since Sept. 2, 1948.

520,335. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BURCH COFFEE CO., Eastman, Ga. Original filed, act of 1946, Principal Register, Sept. 13, 1948; amended to application, Supplemental Register, Nov. 9, 1949, Serial No. 565,040.

Burch's Best

FOR COFFEE, TEA, AND SPICES.
Claims use since Nov. 15, 1947.

520,336. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN LUMBERMAN, INC., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 1, 1948; amended to application, Supplemental Register, Sept. 23, 1949, Serial No. 566,204.

American Lumberman
& BUILDING PRODUCTS MERCHANDISER

Applicant claims ownership of Registrations Nos. 159,253 and 147,904.
FOR WEEKLY PERIODICAL PUBLICATION.
Claims use since Sept. 14, 1946.

520,337. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PHILADELPHIA BRIEF CASE CO., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Nov. 5, 1948; amended to application, Supplemental Register, Oct. 19, 1949, Serial No. 568,272.

Philadelphia "COMFORT" Handle

FOR HANDLES FOR LUGGAGE.
Claims use since December 1947.

520,338. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PHILADELPHIA BRIEF CASE CO., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Nov. 5, 1948; amended to application, Supplemental Register, Oct. 19, 1949, Serial No. 568,273.

Philadelphia "RESILIENT" Handle

FOR HANDLES FOR LUGGAGE.
Claims use since December 1947.

TRADE-MARK REGISTRATIONS RENEWED

33,153. IROLÈNE. Registered June 27, 1899. Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Re-renewed June 27, 1949, to Y & Y Deodorizer Co., Philadelphia, Pa., a partnership. PERFUMES. Class 51.

33,231. RUBY. Registered July 18, 1899. American Waltham Watch Company, Waltham and Boston, Mass., and New York, N. Y. Re-renewed July 18, 1949, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. WATCHES, WATCH-MOVEMENTS, AND PARTS OF WATCHES. Class 27.

33,232. PEARL. Registered July 18, 1899. American Waltham Watch Company, Waltham and Boston, Mass., and New York, N. Y. Re-renewed July 18, 1949, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. WATCHES, WATCH-MOVEMENTS, AND PARTS OF WATCHES. Class 27.

33,233. SAPPHIRE. Registered July 18, 1899. American Waltham Watch Company, Waltham and Boston, Mass., and New York, N. Y. Re-renewed July 18, 1949, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. WATCHES, WATCH-MOVEMENTS, AND PARTS OF WATCHES. Class 27.

33,235. GARNET. Registered July 18, 1899. American Waltham Watch Company, Waltham and Boston, Mass., and New York, N. Y. Re-renewed July 18, 1949, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. WATCHES, WATCH-MOVEMENTS, AND PARTS OF WATCHES. Class 27.

74,280. SUPRARENIN. Registered June 29, 1909. Farbwerke vormals Meister Lucius & Brüning, Hochst-on-the-Main, Germany. Re-renewed June 29, 1949, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. MEDICAL COMPOUND PARTICULARLY USED FOR THE TREATMENT OF DISEASES OF THE EYE, ETC. Class 18.

74,395. "SYRACUSE" AND BORDER DESIGN. Registered July 6, 1909. Syracuse Twist Drill Company, Inc., Syracuse, N. Y., a corporation of New York. Re-renewed July 6, 1949. TOOLS, COMPRISING PUNCHES, SCREW-DRIVERS, COUNTERSINKS, NAIL-SETS, CHISELS, AND DRILLS. Class 23.

75,599. "THE VELVET KIND.". Registered Oct. 26, 1909. Chapin-Sacks Mfg. Co. Re-renewed Oct. 26, 1949, to Southern Dairies, Inc., Washington, D. C., a corporation of Delaware. ICE-CREAM. Class 46.

75,883. NOB HILL. Registered Nov. 23, 1909. Sunlit Fruit Company, West Berkeley, Calif. Re-renewed Nov. 23, 1949, to Nob Hill Brands, Inc., Stockton, Calif., a corporation of California. CANNED FRUITS AND CANNED VEGETABLES. Class 46.

77,084. MEADOW. Registered Mar. 8, 1910. Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y. Re-renewed Mar. 8, 1950, to The Borden Company, New York, N. Y., a corporation of New Jersey. MALTED MILK. Class 46.

77,133. "ELEPHANT ORCHARDS" ETC. AND DESIGN. Registered Mar. 15, 1910. William N. Moore. Re-renewed Mar. 15, 1950, to Elephant Orchards, Redlands, Calif, a corporation of California. FRESH CITRUS FRUITS, COMPRISING ORANGES, LEMONS, LIMES, AND GRAPE-FRUIT. Class 46.

77,430. DELMAR CLUB. Registered Apr. 12, 1910. A. Moll Grocer Co., St. Louis, Mo., a corporation of Missouri. Re-renewed Apr. 12, 1950. CANNED FRUIT, CANNED VEGETABLES, CANNED FISH, MACARONI, ETC. Class 46.

77,436. "B. V. D." ETC. AND DESIGN. Registered Apr. 12, 1910. The B. V. D. Company, New York, N. Y. Re-renewed Apr. 12, 1950, to The B. V. D. Corporation, New York, N. Y., and Baltimore, Md., a corporation of Delaware. UNDERSHIRTS AND UNDERDRAWERS MADE OF TEXTILE MATERIAL ENTIRELY, OR PARTLY OF TEXTILE AND PARTLY OF KNITTED MATERIAL. Class 39.

77,497. —TURNER—. Registered Apr. 12, 1910. The Turner Brass Works, Sycamore and Chicago, Ill. Re-renewed Apr. 12, 1950, to The Turner Brass Works, Sycamore, Ill., a corporation of Illinois. BRASS COCKS, VALVES, ELBOWS, T'S, CROSSES, UNIONS, PIPE-FLANGES AND PIPE-COUPLINGS, ETC. Class 13.

248,773. DIAMOND-SHAPED DESIGN LINED FOR BLUE WITHIN RECTANGULAR FIELD LINED FOR ORANGE. Registered Oct. 30, 1928. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Berlin, Germany. Renewed Oct. 30, 1948, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. PHOTOGRAPHIC SENSITIZED PLATES, PHOTOGRAPHIC SENSITIZED FILMS, PHOTOGRAPHIC SENSITIZED PAPERS, CAMERAS AND PARTS THEREFOR, AND OBJECTIVES. Class 26.

249,994. SAWING MAN. Registered Nov. 27, 1928. Dr. Heinr. Traun & Söhne, Vormals Harburger Gummi-Kamm-Compagnie, Hamburg, Germany. Renewed Nov. 27, 1948, to S & G Rubber Company, Inc., Mendham, N. J., a corporation of New York. COMBS EXCEPT COMBS MADE OF PRECIOUS METAL. Class 40.

252,339. OZALID. Registered Feb. 5, 1929. Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Renewed Feb. 5, 1949, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. LIGHT-SENSITIVE COPYING AND PHOTOGRAPHIC PAPERS. Class 26.

253,391. QUICK TRAIN. Registered Feb. 26, 1929. S. Bruner, Inc., New York, N. Y., assignor to E. Blancpain Fils. Renewed Feb. 26, 1949, to Fabrique D'Horlogerie Rayville, S. A., Villeret, Switzerland, a corporation organized under the laws of Switzerland. WATCH MOVEMENTS. Class 27.

260,214. SIONON. Registered Aug. 20, 1929. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the Main, Germany. Renewed Aug. 20, 1949, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. SWEETENING AGENTS FOR FOODS FOR DIABETICS. Class 46.

261,598. ORAL HYGIENE OSEPTINE. Registered Sept. 17, 1929. John J. Ogden, doing business as Oseptine Company. Renewed Sept. 17, 1949, to Plough, Inc., Memphis, Tenn., a corporation of Delaware. ANTISEPTICS AND PROPHYLACTICS FOR THE MOUTH AND THROAT. Class 18.

262,695. CLASSMATES. Registered Oct. 22, 1929. Bear Brand Hosiery Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 22, 1949. HOSIERY. Class 39.

262,770. QUIN-FER-LAX. Registered Oct. 22, 1929. First Texas Chemical Mfg. Co., Dallas, Tex., a corporation of Texas. Renewed Oct. 22, 1949. TONIC FOR THE TREATMENT OF INTERMITTENT FEVERS AS WELL AS A GENERAL TONIC. Class 18.

262,771. CAL-PA-BIS. Registered Oct. 22, 1929. First Texas Chemical Mfg. Co., Dallas, Tex., a corporation of Texas. Renewed Oct. 22, 1949. SOLVENT TO BE DISSOLVED IN WATER FOR THE TREATMENT OF ACID STOMACH, SOUR STOMACH, GASTRIC ULCER, BELCHING, AND DIGESTION DISORDERS. Class 18.

262,772. BORO-THYCINE. Registered Oct. 22, 1929. First Texas Chemical Mfg. Co., Dallas, Tex., a corporation of Texas. Renewed Oct. 22, 1949. SOLVENT TO BE DISSOLVED IN WATER FOR USE AS A WASH OR DOUCHE FOR THE FEMALE GENITAL ORGANS. Class 18.

262,773. INCENDO. Registered Oct. 22, 1929. First Texas Chemical Mfg. Co., Dallas, Tex., a corporation of Texas. Renewed Oct. 22, 1949. OINTMENT FOR BURNS, BRUISES, PIMPLES, INSECT BITES, CUTS, SUNBURN, AND SKIN INJURIES. Class 18.

262,783. "KENYCAS" AND DESIGN. Registered Oct. 22, 1929. L. Francis Cassoff, doing business as The Kenycas Paint Company. Renewed Oct. 22, 1949, to Cepaco Paint & Varnish Works, Inc., Brooklyn, N. Y., a corporation of New York. READY-MIXED PAINTS. Class 16.

262,835. "MARINELLO" AND DRAWING. Registered Oct. 29, 1929. Marinello Company. Renewed Oct. 29, 1949, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York. ROUGE, FACE POWDER, LIQUID ROUGE, LIQUID (PHANTOM) POWDER, ETC. Class 51.

262,969. SCO. Registered Oct. 29, 1929. The Safety Car Heating & Lighting Company, New Haven, Conn., and New York, N. Y. Renewed Oct. 29, 1949, to The Safety Car Heating and Lighting Company, Inc., New York, N. Y., a corporation of Delaware. GAS-LIGHTING FIXTURES AND GAS MANTLES. Class 34.

263,189. "FULTONE" ETC. Registered Oct. 29, 1929. Fulton County Silk Mills, Gloversville, N. Y., a corporation of New York. Renewed Oct. 29, 1949. SILK PIECE GOODS. Class 42.

263,424. MARINE. Registered Nov. 5, 1929. Sloan Valve Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 5, 1949. FLUSH VALVES. Class 13.

263,483. "FULTONE" ETC. AND DESIGN. Registered Nov. 5, 1929. Fulton County Silk Mills, Gloversville, N. Y., a corporation of New York. Renewed Nov. 5, 1949. SILK PIECE GOODS. Class 42.

263,912. WILLIAM MITCHELL. Registered Nov. 12, 1929. British Pens Limited, Smethwick, Birmingham, England, a corporation organized under the laws of Great Britain. Renewed Nov. 12, 1949. PENS OF ALL DESCRIPTIONS, INCLUDING PENS MADE OF GOLD, SILVER, AND METAL. Class 37.

264,158. "C. O & CO." ETC. AND DESIGN. Registered Nov. 19, 1929. C. Osborn & Co. Renewed Nov. 19, 1949, to C. Osborn & Company Limited, London, England, a corporation organized with limited liability under the laws of the United Kingdom of Great Britain and Northern Ireland. PRESERVED FISH MEATS AND SAUCES—NAMELY, ANCHOVY PASTE AND ESSENCE OF ANCHOVIES. Class 46.

264,503. GALADALE. Registered Nov. 26, 1929. Morris M. Scher. Renewed Nov. 26, 1949, to M. M. Scher & Sons, Baltimore, Md., a firm. PLAIN TWIST AND FANCY WOOL SUITING IN THE PIECE FOR MEN'S WEAR. Class 42.

264,615. "AUBREY'S A" AND DESIGN LINED FOR BLUE AND RED. Registered Nov. 26, 1929. Aubrey & Company, Louisville, Ky., a firm. Renewed Nov. 26, 1949. HORSE, POULTRY, DAIRY, AND STOCK FEEDS. Class 46.

265,079. "RICK'S DIE-U-RAT" ETC. AND DESIGN. Registered Dec. 17, 1929. H. L. Rick, Galion, Ohio. Renewed Dec. 17, 1949. PREPARATION FOR USE AS A RAT EXTERMINATOR. Class 6.

265,178. WHEAT HEARTS. Registered Dec. 17, 1929. Sperry Flour Co., San Francisco, Calif. Renewed Dec. 17, 1949, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. CEREAL BREAKFAST FOODS. Class 46.

265,354. "CORDAY" ETC. AND DRAWING. Registered Dec. 24, 1929. Lionel Trading Co. Inc. Renewed Dec. 24, 1949, to Parfums Corday, Inc., New York, N. Y., a corporation of New York. BI-MONTHLY PERIODICAL. Class 38.

266,052. ESCOLLOID. Registered Jan. 14, 1930. The Cowles Detergent Company. Renewed Jan. 14, 1950, to Cowles Chemical Company, Cleveland, Ohio, a corporation of Ohio. SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS. Class 52.

266,648. ACME. Registered Jan. 28, 1930. Acme Fruit Company, New York, N. Y., and Fort Pierce, Fla. Renewed Jan. 28, 1950, to J. V. D'Albora Company, Inc., Cocoa, Fla., a corporation of Florida. FRUITS IN THEIR NATURAL STATE—NAMELY, ORANGES, GRAPEFRUIT, TANGERINES, LEMONS, KUMQUATS, PINEAPPLES, AND AVOCADO PEARS. Class 46.

266,855. GLOS-TONE. Registered Feb. 4, 1930. The Martin-Senour Company, Cleveland, Ohio. Renewed Feb. 4, 1950, to The Martin-Senour Company, Chicago, Ill., a corporation of Ohio. PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, ETC. Class 16.

266,908. AIRWHEEL. Registered Feb. 11, 1930. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Feb. 11, 1950. PNEUMATIC AND CUSHION TIRES CONSTRUCTED WHOLLY OR PARTLY OF RUBBER FOR USE ON MOTOR CARS, MOTOR TRUCKS, ETC. Class 35.

266,927. "RED LINE" AND REPRESENTATION OF DIAGONAL LINE LINED FOR RED. Registered Feb. 11, 1930. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Feb. 11, 1950. PORTABLE TIRE AND TUBE REPAIR OUTFITS, RUBBER PLUGS FOR REPAIRING AUTOMOBILE TIRES, INSIDE TIRE PROTECTORS, ETC. Class 35.

266,932. "GOOD YEAR" AND REPRESENTATION OF BANNER LINED FOR BLUE AND GOLD. Registered Feb. 11, 1930. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Feb. 11, 1950. PNEUMATIC, CUSHION, AND SOLID TIRES CONSTRUCTED WHOLLY OR PARTLY OF RUBBER FOR USE ON MOTOR CARS, MOTOR TRUCKS, ETC. Class 35.

266,938. REPRESENTATION OF BANNER LINED FOR BLUE AND GOLD. Registered Feb. 11, 1930. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Feb. 11, 1950. PNEUMATIC, CUSHION, AND SOLID TIRES CONSTRUCTED WHOLLY OR PARTLY OF RUBBER, ETC. Class 35.

267,229. "WILSON'S" AND DESIGN LINED FOR RED AND BLACK. Registered Feb. 18, 1930. George C. Wilson, doing business as The Wilson Chemical Company and The Wilson Products Company. Renewed Feb. 18, 1950, to The Wilson Chemical Company, Inc., Tyrone, Pa., a corporation of Delaware. COUGH DROPS. Class 18.

267,460. REPRESENTATION OF BANNER LINED FOR BLUE AND GOLD. Registered Feb. 18, 1930. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Feb. 18, 1950. SOLES AND HEELS FOR BOOTS AND SHOES COMPOSED WHOLLY OR IN PART OF RUBBER. Class 39.

267,481. "KNIGHTHOOD" AND SCROLL DESIGN. Registered Feb. 18, 1930. Reeves, Parvin & Co., Philadelphia, Pa., a corporation of Delaware. Renewed Feb. 18, 1950. MATCHES. Class 9.

267,680. "STIVERS' BEST" AND DRAWING. Registered Feb. 25, 1930. Theo. Stivers Milling Company, Cleveland, Tenn. Renewed Feb. 25, 1950, to Southeastern Mills, Inc., Rome, Ga., a corporation of Georgia. SOFT-WHEAT FLOUR. Class 46.

267,817. SUPRAFELT. Registered Mar. 4, 1930. Henry Pollak, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 4, 1950. FELT HATS FOR WOMEN, UNTRIMMED. Class 39.

268,039. DURACO. Registered Mar. 4, 1930. Uvalde Rock Asphalt Company, San Antonio, Tex., a corporation of Texas. Renewed Mar. 4, 1950. NATURAL ROCK ASPHALT PAVING PREPARATION. Class 12.

268,237. LIGHTNIN'. Registered Mar. 11, 1930. The Lightnin Chemical Company. Renewed Mar. 11, 1950, to The Buckeye Soda Company, Painesville, Ohio, a corporation of Ohio. BOWL CLEANER. Class 52.

268,242. REPRESENTATION OF DISC ON WASHER LINED FOR BLUE. Registered Mar. 11, 1930. J. A. Sexauer Mfg. Co., Inc., New York, N. Y., a corporation of New York. Renewed Mar. 11, 1950. NONMETALLIC WASHERS, FAUCET CUSHIONS, AND NONMETALLIC BIBB WASHERS. Class 35.

268,254. "RED LINE" AND REPRESENTATION OF DIAGONAL LINE LINED FOR RED. Registered Mar. 11, 1930. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Mar. 11, 1950. ADHESIVES—NAMELY, COLD-PATCHING TUBE GUM, COLD RUBBER-PATCHING CEMENT, AND QUICK-CURE RUBBER CEMENT. Class 5.

268,462. MANRAY. Registered Mar. 18, 1930. The Manhattan Shirt Company, New York, N. Y., a corporation of New York. Renewed Mar. 18, 1950. UNDERWEAR—NAMELY, UNDERDRAWERS. Class 39.

268,805. DIXIE BELLE. Registered Mar. 18, 1930. McGovern & McGovern. Renewed Mar. 18, 1950, to Monitor Fisheries, Inc., Seattle, Wash., a corporation of Washington. CANNED FISH. Class 46.

269,045. SONNY BOY. Registered Mar. 25, 1930. Louisiana State Rice Milling Company, Inc., Abbeville, La., a corporation of Louisiana. Renewed Mar. 25, 1950. RICE. Class 46.

269,164. "EVERYBODY'S HEALTH" ETC. Registered Mar. 25, 1930. Minnesota Public Health Association, St. Paul, Minn., an association of Minnesota. Renewed Mar. 25, 1950. A PUBLICATION. Class 38.

269,230. "E-B" LINED FOR RED AND YELLOW. Registered Apr. 1, 1930. Edgett-Burnham Company, Newark, N. Y., a corporation of New York. Renewed Apr. 1, 1950. CANNED FRUIT AND VEGETABLES. Class 46.

269,308. "REVERE" AND DRAWING. Registered Apr. 1, 1930. The Revere Clock Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Apr. 1, 1950. CLOCKS. Class 27.

269,397. REPRESENTATION OF ARMORED MAN. Registered Apr. 8, 1930. The Paterson Parchment Paper Co., Passaic, N. J. Renewed Apr. 8, 1950, to The Paterson Parchment Paper Company, Bristol, Pa., a corporation of Pennsylvania. PARCHMENT WRAPPING PAPER. Class 37.

269,496. ATLAS "A" ETC. Registered Apr. 8, 1930. Chipman Chemical Engineering Company, Inc., Middlesex, N. J. Renewed Apr. 8, 1950, to Chipman Chemical Company, Inc., Bound Brook, N. J., a corporation of New York. CHEMICAL PREPARATION USED FOR KILLING WEEDS. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

47,457. REPRESENTATION OF A FOUNTAIN, ETC. Registered Nov. 7, 1905. Lanman & Kemp, New York, N. Y. FLORIDA WATER. Class 6. Corrected as follows: In the certificate, line 8; in the heading to the drawing; in the heading to the statement; and in the statement, column 2, line 18, "Florida water" should be *toilet water*.

381,709. SHACKET. Registered Oct. 1, 1940. David D. Doniger & Co., New York, N. Y. COMBINATION SHIRT AND JACKET. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

515,385. SIGNODE SYSTEM AND DESIGN. Registered Sept. 20, 1949. Signode Steel Strapping Company, Chicago, Ill. STRETCHING OR TENSIONING TOOLS, SEALING TOOLS, ETC. Class 23. Corrected as follows: In the certificate, line 17, date of issue, for "thirteenth" read *twentieth*.

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 267,841, appearing in the OFFICIAL GAZETTE of Oct. 18, 1949, page 668, for the list of goods read *beauty creams; skin lotions; hair elixir and hair oils, and shampoo.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

350,643. ST. CHARLES. Registered Oct. 5, 1937. Alta Winery & Distillery, Inc. BRANDY. Class 49. New certificate under section 7(c) issued Jan. 24, 1950, to Brookside Distilling Products Corporation, Scranton, Pa., a corporation of Delaware.

442,871. BESTWAV. Registered June 7, 1949. Harold H. Tanner, doing business as Bestwav Company. COLD PERMANENT WAVE KIT WHICH INCLUDES COLD WAVING SOLUTION, ETC. Class 44. New certificate under section 7(c) issued Jan. 24, 1950, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 263,904. Registered Nov. 12, 1929. A. C. LAWRENCE LEATHER COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant, present address Peabody, Mass.

MODA

FOR LEATHER.
Claims use since May 14, 1929.

Reg. No. 400,750. Registered Mar. 80, 1943. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

ROBIN HOOD

FOR GRASS SEED.
Claims use since Mar. 3, 1941.

CLASS 2

RECEPTACLES

Reg. No. 301,621. Registered Mar. 7, 1933. IMPERIAL METAL MANUFACTURING CORPORATION, Long Island City, N. Y. Republished by Alfred E. Bomeisler, Long Island City, N. Y.

PEPSAL

FOR PEPPER AND SALT CELLARS OF BASE METAL AND GLASS AND/OR NATURAL AND SYNTHETIC RESINS AND CELLULOSE ESTERS AND ETHERS WHICH MAY BE CAUSED TO ASSUME DEFINITE SHAPE EITHER BY SOME CHEMICAL REACTION OR BY THE INFLUENCE OF HEAT AND PRESSURE IN A METAL MOLD.
Claims use since Nov. 24, 1931.

Reg. No. 418,480. Registered Dec. 25, 1945. EMPIRE SPORTING GOODS MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

EMPIRE

FOR DUFFLE BAGS, KNAPSACKS, ROVER PACKS OF THE TYPE CONSTRUCTED IN THE MANNER OF A DUFFLE BAG AND PROVIDED WITH A PAIR OF SHOULDER STRAPS, UTILITY BAGS, MUSETTE BAGS, SCHOOL BAGS, AND SEA BAGS.
Claims use since Sept. 1, 1930.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 418,480. Registered Dec. 25, 1945. EMPIRE SPORTING GOODS MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

EMPIRE

FOR DUFFLE BAGS, KNAPSACKS, ROVER PACKS OF THE TYPE CONSTRUCTED IN THE MANNER OF A DUFFLE BAG AND PROVIDED WITH A PAIR OF SHOULDER STRAPS, UTILITY BAGS, MUSETTE BAGS, SCHOOL BAGS, AND SEA BAGS.
Claims use since Sept. 1, 1930.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 50,071. Registered Mar. 6, 1906. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Republished by registrant.

BARR'S MECHANIC

FOR PUMICE-SOAP.
Claims use since Jan. 1, 1895.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 436,783. Registered Feb. 17, 1948. BREAKSTONE & CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

NITRANE

FOR GAS TO BE USED IN MAKING WHIPPED CREAM.
Claims use since September 1936.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 394,444. Registered Apr. 7, 1942. THE EN-TOUT-CAS COMPANY LIMITED, Leicester, England, a corporation of Great Britain and Northern Ireland. Republished by registrant, present address Syston, near Leicester, England.

EN-TOUT-CAS

FOR BURNT CLAY USED IN THE CONSTRUCTION OF TENNIS COURTS.
Claims use since 1916.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 443,393. Registered Sept. 27, 1949. ANCHOR POST FENCE COMPANY, Baltimore, Md., now by change of name Anchor Post Products, Inc. Republished by Anchor Post Products, Inc., Baltimore, Md., a corporation of New Jersey.

ANCHOR

FOR METALLIC FENCING.
Claims use since July 1, 1892.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 291,692. Registered Feb. 23, 1932. WASHINGTON IRON WORKS, Seattle, Wash., a corporation of Washington. Republished by registrant.

SUPERLOY

FOR CASTINGS MADE OF FERROUS AND/OR NON-FERROUS METALS.
Claims use since Sept. 4, 1931.

Reg. No. 334,471. Registered May 5, 1936. HASTINGS & COMPANY, Philadelphia, Pa. Republished by Hastings & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The word "Brand" is disclaimed apart from the mark as shown.
FOR GOLD LEAF, SILVER LEAF, AND PALLADIUM LEAF.
Claims use since at least as early as 1905.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 443,231. Registered Aug. 16, 1949. BENSON & HEDGES, New York, N. Y., a corporation of New York. Republished by registrant.



FOR CIGARS.
Claims use since 1901.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 308,873. Registered Dec. 26, 1933. SARGEANT ACNOID PHARMACEUTICAL CO., INC., East Orange, N. J. Republished by Stanley M. Sargeant, Highland Mills, N. Y.

FOR BATH SALTS, BLEACHING COMPOUNDS FOR HUMAN APPLICATION, BRILLIANTINES, CAMPHOR ICE COMPOUNDS, LAXATIVES, COLORINGS FOR SKIN AND HAIR, DENTIFRICES, DEODORANTS, DEPILATORY, DISINFECTANTS, FACE POWDER, SKIN POWDER, GARGLES, GERMICIDES, INSECTICIDES, PERFUME, PETROLEUM JELLY, ROUGE, SACHET, SEDATIVES, SKIN LOTION, SKIN CREAM, VERMIFUGES, MEDICINAL LOTIONS AND TONICS FOR THE SKIN, TONICS FOR THE AID OF DIGESTIVE ORGANS, SKIN BALSAMS, LAXATIVE MEDICINAL TABLETS, POULTICES FOR RELIEF OF INFLAMMATION CONDITIONS; COSMETICS—NAMELY, FACE POWDER, SOLIDIFIED AND IN CREAM FORM; ELIXIRS TO AID DIGESTION; RUBBING LINIMENTS; EMULSIONS OF COD LIVER AND MEDICINAL MINERAL OILS, U. S. P. TINCTURES OF ARNICA, BELLADONNA, AND IODINE; HERBS FOR MAKING MEDICINAL HERB DRINKS USED AS A GENERAL TONIC; SKIN LOTIONS; HAIR TONICS; LAXATIVE PILLS, MEDICATED FOOT POWDERS; NASAL AND THROAT SPRAY SOLUTIONS; SUPPOSITORIES FOR RECTAL LUBRICATION; MEDICATED SYRUP EXPECTORANTS; U. S. P. SPIRITS CAMPHOR, NITRE; HEADACHE AND COLD MEDICATED WAFERS; SKIN CALLOUSES AND CORN UNGUENTUMS, SKIN CALLOUSES AND CORN OINTMENTS.
Claims use since 1896.

M. W. Sargeant.

Reg. No. 338,733. Registered Sept. 15, 1936. A. H. ROBINS COMPANY, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

DONNATAL

FOR MEDICINAL PREPARATION USED IN THE TREATMENT OF GASTRO-INTESTINAL DISTURBANCES.
Claims use since Apr. 1, 1936.

Reg. No. 345,935. Registered May 11, 1937. A. H. ROBINS COMPANY, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

ENTHEORATE

FOR MEDICINAL PREPARATION USED FOR THE TREATMENT OF THE CARDIO-VASCULAR SYSTEM AND AS A DIURETIC.
Claims use since Nov. 27, 1936.

Reg. No. 382,156. Registered Oct. 15, 1940. A. H. ROBINS COMPANY, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

BIRONEX

FOR MEDICINAL PREPARATION INDICATED IN THE TREATMENT OF SECONDARY ANEMIA.
Claims use since June 12, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 406,594. Registered Apr. 11, 1944. MARK EMERSON WARREN, doing business as Southern Electric Products, Hartwell, Ga. Republished by registrant, present address Anderson, S. C.

"DIXIE MAID"

FOR PORTABLE UNITARY ELECTRIC BUTTER CHURNS (WITH BUILT-IN MOTOR).
Claims use since Jan. 10, 1940.

Reg. No. 433,509. Registered Oct. 14, 1947. HORACE A. HUNT, Chicago, Ill. Republished by registrant.

TELETROL

FOR WINDOW VENTILATOR REMOTE CONTROL DEVICE DESIGNED TO CONTROL THE MOTOR SPEED OR AIR VOLUME OF AN ELECTRIC WINDOW VENTILATOR FROM A DISTANT POINT. THE DEVICE INCORPORATES AN AUTO TRANSFORMER WIRED TO A SELECTOR SWITCH, BOTH OF WHICH ARE INCORPORATED IN A HOUSING, SO THAT WHEN CONNECTED TO THE MOTOR CIRCUIT OF THE VENTILATOR BY MEANS OF CORDS OR CABLES, FULL CONTROL OF THE MOTOR SPEED AND AIR VOLUME IS OBTAINED.
Claims use since Nov. 20, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 419,079. Registered Feb. 5, 1946. EMPIRE SPORTING GOODS MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

EMPIRE

FOR FOOTBALL PANTS, FOOTBALL HELMETS, AND ICE HOCKEY PANTS.
Claims use since Sept. 1, 1930.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 208,516. Registered Feb. 2, 1926. THE WARREN TOOL AND FORGE CO., Warren, Ohio. Republished by Warren Tool Corporation, Township of Howland, Ohio, a corporation of Ohio.

HACK-DEVIL

FOR ADZES.
Claims use since March 1922.

Reg. No. 208,748. Registered Feb. 9, 1926. THE WARREN TOOL AND FORGE CO., Warren, Ohio. Republished by Warren Tool Corperation, Township of Howland, Ohio, a corporation of Ohio.

CUT DEVIL

FOR CHISELS.
Claims use since January 1924.

Reg. No. 208,749. Registered Feb. 9, 1926. THE WARREN TOOL AND FORGE CO., Warren, Ohio. Republished by Warren Tool Corporation, Township of Howland, Ohio, a corporation of Ohio.

SLUG DEVIL

FOR MAULS.
Claims use since August 1923.

Reg. No. 249,460. Registered Nov. 13, 1928. BOHN ALUMINUM AND BRASS CORPORATION, Detroit, Mich., a corporation of Michigan. Republished by registrant, present address, Detroit, Mich.

RING TRUE
BOHN
BEARINGS

The word "Bearings" is disclaimed apart from the mark as shown.
FOR BEARINGS FOR MACHINERY.
Claims use since Jan. 3, 1928.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 443,869. Registered Sept. 13, 1949. THE BEVCO COMPANY, St. Louis, Mo. Republished by The Bevco Company, Inc., St. Louis, Mo., a corporation of Missouri.

BEV-KOLD

The word "Kold" is disclaimed apart from the mark as shown.
FOR REFRIGERATED DISPLAY CABINETS, FROZEN FOOD CABINETS, AND REFRIGERATED STORAGE LOCKERS FOR HOME AND COMMERCIAL USE.
Claims use since March 1941.

CLASS 37

PAPER AND STATIONERY

Reg. No. 110,326. Registered May 16, 1916. THE PEERLESS MFG. CO., Norristown, Pa. Republished by The Peerless Paper Mills, Inc., Oaks, Pa., a corporation of Pennsylvania.

AVELVA

FOR TOILET PAPER.
Claims use since June 10, 1913.

Reg. No. 174,207. Registered Oct. 9, 1923. THE PEERLESS MFG. COMPANY, Norristown, Pa. Republished by The Peerless Paper Mills, Inc., Oaks, Pa., a corporation of Pennsylvania.

SOFDOWN

The illustration of the rolls of paper is disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since Feb. 1, 1923.

Reg. No. 313,888. Registered June 12, 1934. LEGAL STATIONERY CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

LESCO

FOR BOND PAPER.
Claims use since Aug. 3, 1933.

Reg. No. 334,588. Registered May 5, 1936. THE PEERLESS PAPER MILLS, Oaks, Pa., a corporation of Pennsylvania. Republished by registrant.

Sof-Tir

FOR TOILET PAPER AND PAPER TOWELS.
Claims use since Oct. 15, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 219,452. Registered Oct. 19, 1926. NEW YORK AMERICAN, INC., New York, N. Y. Republished by Hearst Consolidated Publications, Inc., San Francisco, Calif., a corporation of Delaware.

New York American

FOR DAILY NEWSPAPER.
Claims use since Oct. 27, 1902.

Reg. No. 219,611. Registered Oct. 19, 1926. THE TIMES PUBLISHING COMPANY, Detroit, Mich. Republished by Hearst Publishing Company, Inc., Los Angeles, Calif., a corporation of Delaware.

DETROIT TIMES

FOR DAILY NEWSPAPER.
Claims use since before the year 1900.

CLASS 39

CLOTHING

Reg. No. 112,329. Registered Aug. 29, 1916. THE STROUSE-BAER CO., Baltimore, Md. Republished by The Strouse-Baer Company, Inc., Baltimore, Md., a corporation of Maryland.

Jack Tar Togs

The word "Togs" is disclaimed apart from the mark as shown.
FOR WOMEN'S AND CHILDREN'S SUITS, DRESSES, COATS, SKIRTS, BLOUSES, WAISTS, GYMNASIUM SUITS, BLOOMERS, AND BOYS' SUITS.
Claims use since Apr. 15, 1916.

Reg. No. 161,557. Registered Nov. 14, 1922. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

AMERICE

FOR HAIR NETS.
Claims use since January 1917.

Reg. No. 254,306. Registered Mar. 19, 1929. SOL KAUFMAN, doing business as The Mayfair Knitting Mills, Baltimore, Md. Republished by Kiddie Klothes Ko., Baltimore, Md., a firm.

Mayfair Knitwear FOR Kiddies

The words "Knitwear for Kiddies" are disclaimed.
FOR INFANTS' AND CHILDREN'S SACQUES, SWEATERS, CAPS, LEGGIN SETS, BOOTEES, MITTENS, AND BOOTEE SETS.
Claims use since June 5, 1928.

Reg. No. 333,997. Registered Apr. 14, 1936. THE STROUSE-BAER COMPANY, Baltimore, Md. Republished by The Strouse-Baer Company, Inc., Baltimore, Md., a corporation of Maryland.

TRUESPUN POPLIN

Jack Tar Togs

PRESHRUNK

The words "Poplin," "Togs," and "Preshrunk" are disclaimed apart from the mark as shown.
FOR BOYS' SUITS, SHIRTS, BLOUSES, PANTS, PAJAMAS, BATH ROBES, AND GIRLS' DRESSES, SPORT DRESSES, SHIRTS, SHORTS, BLOUSES, SWEATERS, SLACKS, AND PLAYSUITS, AND ROBES.
Claims use since October 1933.

Reg. No. 334,605. Registered May 5, 1936. THE STROUSE-BAER COMPANY, Baltimore, Md. Republished by The Strouse-Baer Company, Inc., Baltimore, Md., a corporation of Maryland.

FIRMATEX SUITING
BY
Jack Tar

RUB 'EM
TUB 'EM
SCRUB 'EM

THEY
COME UP
SMILING

The word "Suiting" is disclaimed apart for the mark as shown.
FOR SUITS AND PANTS FOR BOYS AND SUITS AND SPORT DRESSES, SHIRTS, SHORTS, BLOUSES, SWEATERS, SLACKS, AND PLAYSUITS FOR GIRLS.
Claims use since October 1933.

Reg. No. 419,079. Registered Feb. 5, 1946. EMPIRE SPORTING GOODS MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

EMPIRE

FOR FOOTBALL PANTS, FOOTBALL HELMETS, AND ICE HOCKEY PANTS.
Claims use since Sept. 1, 1930.

Reg. No. 443,221. Registered Aug. 16, 1949. ROBIN REDBREAST HOSIERY COMPANY, INC., New York, N. Y., now by change of name Red Robin Stores, Inc. Republished by Red Robin Stores, Inc., New York, N. Y., a corporation of New York.

RED ROBIN

FOR HOSIERY, DRESSES, COATS, SUITS, SWEATERS, SKIRTS, WAISTS, UNDERWEAR, FOUNDATIONS, BATHING SUITS FOR WOMEN AND GIRLS.
Claims use since 1928.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 121,728. Registered May 21, 1918. NATIONAL FRUIT PRODUCT COMPANY, INC., Alexandria, Va., a corporation of Virginia. Republished by registrant, present address Winchester, Va.

WHITE HOUSE



FOR APPLE CIDER.
Claims use since Jan. 1, 1913.

Reg. No. 139,827. Registered Feb. 22, 1921. A. KICKBUSCH GROCERY COMPANY, Wausau, Wis., a corporation of Wisconsin. Republished by registrant.

VANITY



FOR NON-ALCOHOLIC, NON-INTOXICATING, MALTLESS NON-CEREAL BEVERAGES SOLD AS SOFT DRINKS—NAMELY, GRAPE JUICE AND APPLE CIDER.
Claims use since May 21, 1918.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 123,908. Registered Dec. 17, 1918. A. KICKBUSCH GROCERY COMPANY, Wausau, Wis., a corporation of Wisconsin. Republished by registrant.

VANITY

FOR COFFEE.
Claims use since May 21, 1918.

Reg. No. 134,250. Registered Aug. 24, 1920. A. KICKBUSCH GROCERY COMPANY, Wausau, Wis., a corporation of Wisconsin. Republished by registrant.

VANITY

FOR CANNED VEGETABLES—NAMELY, CANNED CORN; CANNED FRUITS—NAMELY, CANNED CHERRIES; CANNED CORN SYRUP FOR FOOD PURPOSES, CANNED MOLASSES, CANNED VEGETABLE SOUP, CANNED EVAPORATED MILK, BIRD SEED, CORN STARCH, STRAINED HONEY; FOOD FLAVORING EXTRACTS—NAMELY, VANILLA; OLIVE OIL, BOTTLED OLIVES, PEANUT BUTTER, CATSUP, PEANUTS, SHELLED NUTS, ALLSPICE, COCOA, MAPLE SYRUP FOR TABLE USE, PREPARED MUSTARD, STRAWBERRY JAM, SLICED DRIED BEEF IN GLASS, MINCE MEAT, CANNED FISH—NAMELY, CANNED SARDINES; SPICED HERRING IN KEGS, SALT CODFISH, SHREDDED COCOANUT, YELLOW CORN MEAL, PEARL TAPIOCA, CHEESE IN BRICK FORM, RICE, CIDER VINEGAR, ROLLED OATS, MACARONI; SHREDDED COCOANUT, TEA, AND DRIED FRUITS—NAMELY, PRUNES.
Claims use since May 21, 1918.

Reg. No. 188,211. Registered Aug. 19, 1924. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif., a corporation of California. Republished by registrant.

AERO

FOR FRESH LEMONS.
Claims use since Jan. 21, 1924.

Reg. No. 188,212. Registered Aug. 19, 1924. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif., a corporation of California. Republished by registrant.

WELFARE

FOR FRESH LEMONS.
Claims use since Jan. 21, 1924.

Reg. No. 196,915. Registered Mar. 31, 1925. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif., a corporation of California. Republished by registrant.

GOOD WILL

FOR FRESH LEMONS.
Claims use since Dec. 6, 1923.

Reg. No. 213,904. Registered June 8, 1926. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif., a corporation of California. Republished by registrant.

DIXIE

FOR FRESH CITRUS FRUITS—NAMELY, FRESH LEMONS.
Claims use since Sept. 1, 1924.

Reg. No. 307,830. Registered Nov. 7, 1933. COLONIAL PROVISION CO., INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

MASTER SMOKED

The word "Smoked" is disclaimed apart from the mark as shown.
FOR HAMS, SHOULDERS, BACON, FRANKFURTERS.
Claims use since Sept. 16, 1929.

Reg. No. 316,305. Registered Aug. 21, 1934. NATIONAL FRUIT PRODUCT COMPANY, INC., Washington, D. C., a corporation of Virginia. Republished by registrant, present address, Winchester, Va.

WHITE HOUSE

FOR CANNED FRUITS, FRUIT JELLIES, FRUIT MARMALADES, FRUIT PRESERVES, EVAPORATED APPLES, FRUIT PECTIN, AND DISTILLED VINEGAR.
Claims use since Apr. 1, 1889.

Reg. No. 336,489. Registered July 7, 1936. NATIONAL FRUIT PRODUCT COMPANY, INC., Washington, D. C., a corporation of Virginia. Republished by registrant, present address, Winchester, Va.

WHITE HOUSE

FOR FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES.
Claims use since Nov. 1, 1935.

Reg. No. 390,164. Registered Sept. 9, 1941. LA MIRADA OLIVE COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

LA CONDA BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED OLIVES.
Claims use since Apr. 24, 1941.

CLASS 47

WINES

Reg. No. 314,210. Registered June 19, 1934. SANTA LUCIA WINERIES, INC., Fresno, Calif. Republished by Schenley Industries, Inc., New York, N. Y., and Fresno, Calif., a corporation of Delaware.

SANTA LUCIA

FOR WINES.
Claims use since Dec. 27, 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 44,513. Registered July 11, 1905. GEO. A. DICKEL & CO., Nashville, Tenn. Republished by Geo. A. Dickel Co., Frankfort, Ky., and New York, N. Y., a corporation of Delaware.



FOR WHISKEY.
Claims use since May 1, 1870.

Reg. No. 44,785. Registered July 25, 1905. GEO. A. DICKEL & CO., Nashville, Tenn. Republished by Geo. A. Dickel Co., New York, N. Y., and Frankfort, Ky., a corporation of Delaware.

CASCADE

FOR WHISKEY.
Claims use since Jan. 1, 1880.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 420,115. Registered Mar. 26, 1946. EMPIRE EMBLEM COMPANY, New York, N. Y., a firm. Republished by registrant.

EMPIRE

FOR PENNANTS AND BANNERS.
Claims use since January 1939.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 308,872. Registered Dec. 26, 1933. SARGEANT ACNOID PHARMACEUTICAL CO., INC., East Orange, N. J. Republished by Stanley M. Sargeant, Highland Mills, N. Y.

M. W. Sargeant.

FOR BATH SALTS, BLEACHING COMPOUNDS FOR HUMAN APPLICATION, BRILLIANTINES, CAMPHOR ICE COMPOUNDS, LAXATIVES, COLORINGS FOR SKIN AND HAIR, DENTIFRICES, DEODORANTS, DEPILATORY, DISINFECTANTS, FACE POWDER, SKIN POWDER, GARGLES, GERMICIDES, INSECTICIDES, PERFUME, PETROLEUM JELLY, ROUGE, SACHET, SEDATIVES, SKIN LOTION, SKIN CREAM, VERMIFUGES, MEDICINAL LOTIONS AND TONICS FOR THE SKIN, TONICS FOR THE AID OF DIGESTIVE ORGANS, SKIN BALSAMS, LAXATIVE MEDICINAL TABLETS, POULTICES FOR RELIEF OF INFLAMMATION CONDITIONS; COSMETICS—NAMELY, FACE POWDER, SOLIDIFIED AND IN CREAM FORM; ELIXIRS TO AID DIGESTION; RUBBING LINIMENTS; EMULSIONS OF COD LIVER AND MEDICINAL MINERAL OILS, U. S. P. TINCTURES OF ARNICA, BELLADONNA, AND IODINE; HERBS FOR MAKING MEDICINAL HERB DRINKS USED AS A GENERAL TONIC; SKIN LOTIONS; HAIR TONICS; LAXATIVE PILLS, MEDICATED FOOT POWDERS; NASAL AND THROAT SPRAY SOLUTIONS; SUPPOSITORIES FOR RECTAL LUBRICATION; MEDICATED SYRUP EXPECTORANTS; U. S. P. SPIRITS CAMPHOR, NITRE; HEADACHE AND COLD MEDICATED WAFERS; SKIN CALLOUSES AND CORN UNGUENTUMS, SKIN CALLOUSES AND CORN OINTMENTS.

Claims use since 1896.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 102,880. Registered Feb. 23, 1915. IOWA SOAP COMPANY, Burlington, Iowa., a corporation of Iowa. Republished by registrant.

HAWKEYE

FOR SOAP.

Claims use since Mar. 23, 1903.

Reg. No. 148,091. Registered Nov. 8, 1921. IOWA SOAP COMPANY, Burlington, Iowa., a corporation of Iowa. Republished by registrant.

WHITE HOUSE

FOR SOAP FOR BATH AND TOILET.

Claims use since Sept. 6, 1920.

Reg. No. 186,344. Registered July 8, 1924. IOWA SOAP COMPANY, Burlington, Iowa., a corporation of Iowa. Republished by registrant.

BIG 4

FOR TOILET SOAP, LAUNDRY SOAP, AND WASHING POWDER.

Claims use since October 1895.

Reg. No. 192,746. Registered Dec. 9, 1924. THE PIONEER PRODUCTS CO., Dayton, Ohio. Republished by The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio.

CHEX

FOR SOAP.

Claims use since Apr. 3, 1923.

Reg. No. 308,577. Registered Dec. 12, 1933. IOWA SOAP COMPANY, Burlington, Iowa., a corporation of Iowa. Republished by registrant.

Protex

FOR TOILET SOAP.

Claims use since Nov. 8, 1932.

Reg. No. 321,618. Registered Feb. 5, 1935. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Republished by registrant.

Royal Pine

The word "Pine" is disclaimed apart from the mark as shown.

FOR SOAP.

Claims use since Feb. 26, 1934.

PLANT PATENTS

GRANTED JANUARY 17, 1950

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

913
ROSE PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application December 2, 1948, Serial No. 63,154

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the polyantha class, characterized as to novelty by the live pink color of the blossoms, their long lasting quality while retaining both shape and color, double-serrated holly-like foliage with long ovoid leaflets, leathery texture and color of the foliage, bushy habit of growth of the plant and its freedom of bloom, substantially as shown and described.

914
ROSE PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application December 2, 1948, Serial No. 63,155

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by the uniformity of the coloring of its flowers from bud to open stages; by the long buds opening into high centered flowers; by the distinct marking and streaking of the two opposite petals of the outer row of each flower, and the large number of thorns, closely arranged in irregular formation, on the lower half of the stems of the young shoots, substantially as shown and described.

915
ROSE PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application December 7, 1948, Serial No. 63,875

1 Claim. (Cl. 47—61)

A new and distinct variety of polyantha rose plant, characterized as to novelty by the brilliant contrasting color effect of its blooms; its habit of constant blooming in clusters of from three to ten flowers; the unique color shading of the stamens of said flowers and the habit of vigorous growth of the plant, substantially as shown and described.

916
ROSE PLANT

Wallace R. Pierson, Jr., Cromwell, Conn., assignor to A. N. Pierson, Inc., Cromwell, Conn

Application November 24, 1948, Serial No. 61,827

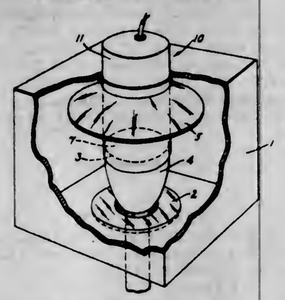
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant of the Briarcliff family, substantially as herein shown and described, characterized particularly by its very upright, free and vigorous growth; its many long, sturdy stems; its habit of breaking freely and of producing large numbers of stems and flowers; its pointed buds; and its flowers of "perfect" form, brilliant light pink color and lack of any tendency to bullhead.

PATENTS

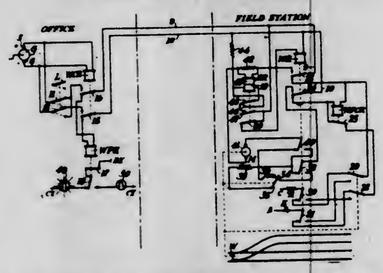
GRANTED JANUARY 24, 1950

2,495,203
METHOD AND APPARATUS FOR REMOVING BURNS FROM CATHODE-RAY TUBES
Arthur Bramley, Long Branch, and Carl E. Swanson, North Arlington, N. J., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 8, 1946, Serial No. 652,922
9 Claims. (Cl. 316—12)



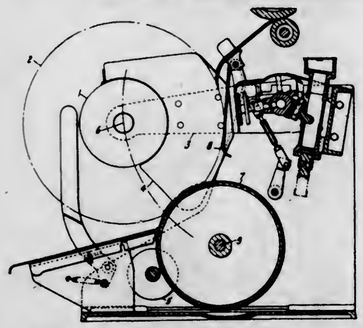
1. The method of removing the burn from the luminescent screen of a used cathode ray tube, which comprises heating the screen to a temperature of from about 425° centigrade to about 500° centigrade and for a time period sufficient to remove said burn.

2,495,204
SWITCH CONTROL AND INDICATION SYSTEM
Paul M. Brannen, Duquesne, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 30, 1947, Serial No. 725,231
3 Claims. (Cl. 246—219)



1. A system for the remote control and indication of a railway track switch over a pair of conductors extending from a control office to the switch location comprising a hand operated direct current generator, a transfer relay having its winding connected across the terminals of said generator, pole changer contacts for selecting the direction of movement of the track switch, and a low resistance indication relay, all located at said office; a high resistance polar neutral control relay having its winding connected across said conductors, a switch machine having a motor for operating the track switch and contacts for indicating its position, and a low voltage source of energy, all at the switch location, the voltage of said source being insufficient to operate said control relay; a circuit over which said indication relay is normally energized by current from said low voltage source to indicate the position of the switch at said office including back contacts of said transfer relay, said conductors, back neutral and polar contacts of said control relay, and said switch position indicating contacts, normal and reverse operating circuits for said switch motor supplied with current from said generator in response to its hand operation including said pole changer contacts, front contacts of said transfer relay, said conductors and front neutral and polar contacts of said control relay, and means at the switch location for opening said normal or reverse operating circuit to indicate at the office the termination of the movement of the track switch by the resulting decrease in the effort required to operate said generator.

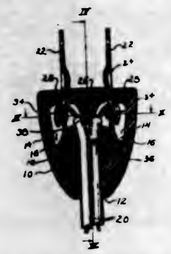
2,495,205
SLIVER ROLL FORMING MACHINE
James Scott Brown, Arbroath, Scotland, assignor to Douglas Fraser & Sons Limited, Arbroath, Scotland, a corporation of Great Britain
Application September 19, 1946, Serial No. 697,942
In Great Britain December 22, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1964
1 Claim. (Cl. 19—158)



In a sliver roll-forming machine incorporating a pair of rotatable half-arbors, arbor-starting roll-confining discs, one on each half-arbor and rotatable therewith, a pair of spaced pivoted arms each carrying a half-arbor and disc, rotary drivers engageable with said discs at the start of a roll-forming operation, a driver-drum separate from said rotary drivers and non-coaxial therewith arranged to engage with the sliver roll on said half-arbors after formation of said roll has started, said arbor-starting roll-confining discs being of substantially smaller diameter than that of the sliver roll when fully formed, and a cheek plate secured to each arm partially embracing the periphery of the disc carried

thereby and extending toward the back of the machine, the cheek plates being of sufficient width to cover the nip of the sliver roll with the driver-drum until the sliver roll is fully formed, and said discs being of a diameter substantially less than the distance between the upper and the lower boundary edges of the cheek plates.

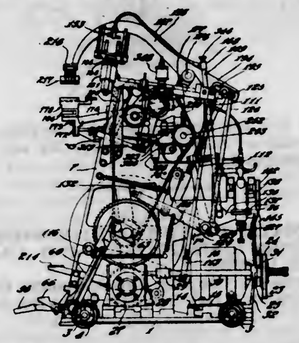
2,495,206
ELECTRICAL PLUG
Emile P. Brus, Kansas City, Mo.
Application May 14, 1945, Serial No. 593,688
1 Claim. (Cl. 173—361)



In a connector plug of the character described; a body having an opening extending longitudinally therethrough, the walls of said opening adjacent one end of said body including a pair of vertical opposed flat surfaces, said body being further provided with a pair of cavities communicating with said opening, each cavity being provided adjacent its lower end with a wall portion which extends at an angle upwardly and inwardly towards said opening to form a prong-end wedging surface; a pair of spaced elongated prongs supported in said body with the lower end of each prong positioned in a respective cavity and in contact with said inclined wedging surface, the outermost faces of said prongs being in contact with said flat surfaces and the other end of each prong projecting from said body; a plug interposed between said spaced prongs, the sides of said plug adjacent said flat surfaces each being provided with an elongated notch having a bottom surface vertically opposed to the adjacent flat surface, each of said bottom surfaces being convexly curved toward the adjacent flat surface; an elongated resilient tongue integrally formed on the projecting end of each prong and extending into said opening, said tongues being bent inwardly and biased toward said plug, the portion of each tongue positioned within said opening being provided with a section opposite the corresponding adjacent flat surface, each of said sections being concavely curved to form a surface complementary to the convexly curved bottom surface of each notch, said curved tongue sections being adapted to engage the curved bottoms of said notches and support said plug, said inclined wedging surfaces of said cavities serving to force the said prongs into contact with said opposed flat surfaces.

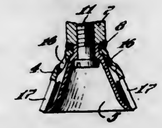
2,495,207
LABEL AFFIXING MACHINE
Sidney T. Carter, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts
Application November 15, 1944, Serial No. 563,606
14 Claims. (Cl. 216—55)

2. A label-affixing machine wherein a label carrier moves from a transfer station past a gumming station and then, after reversing its direction, again passes the gumming station and the transfer station, and stops at the labeling station, gumming means at the gumming station, an article support at the labeling station, and



means defining a downwardly concave arcuate path for the carriage, one end of said path being at the labeling station, the gumming means being operatively disposed intermediate the ends of said path.

2,495,208
FOG PRODUCING SPRAY NOZZLE
Herbert W. Causer, Weymouth, Mass., assignor to Factory Mutual Research Corporation, Boston, Mass., a corporation of Massachusetts
Application May 17, 1945, Serial No. 594,313
3 Claims. (Cl. 299—121)

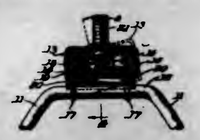


1. For producing fog, a device comprising a first conical baffle having openings therethrough distributed around its circumference at the larger end thereof, a second conical baffle disposed within said first conical baffle with a space between the two baffles, the larger end of the second baffle having a flaring surface directed toward said openings and at an angle to the outer surface of the first baffle, means for directing a sheet of water along the outer surface of said first baffle from the smaller end to the larger end and means for admitting water into said space, whereby water flowing into the space is directed outwardly by said flaring surface through said openings in the first baffle to form jets which intersect said sheet at the outer surface of the first baffle, thereby to break up the sheet into fog.

2,495,209
LAMP SHADE HOLDER
Paul Chilo, Chicago, Ill.
Application February 13, 1947, Serial No. 728,333
4 Claims. (Cl. 240—148)

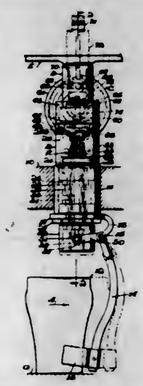
1. In a lamp shade holder, a harp having a cross piece and two arms projecting therefrom, a shade holding member having a downwardly projecting skirt, a pin secured in said skirt and extending at right angles to the cross piece, a universal joint member having a pair of apertured tongues through which the cross piece ex-

tends and having another pair of apertured tongues disposed at right angles to the first men-



tioned tongues through which the pin extends, and resilient friction means bearing against the cross piece and pin.

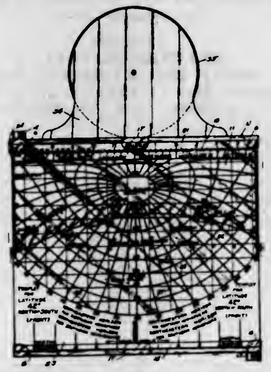
2,495,210
AUTOMATIC VALVE FOR DISPENSING AND PROPORTIONING SIRUP AND CARBONATED WATER
Bruce G. Copping, Fulton County, Ga.
Application March 22, 1943, Serial No. 480,108
16 Claims. (Cl. 225—21)



1. In a dispensing apparatus, in combination, means defining a chamber for the reception of a liquid to be dispensed, a plunger for displacing liquid previously flowed into said chamber, fluid pressure responsive means for moving said plunger on its displacing stroke, said means including an expansible fluid-containing cell a portion of which engages the plunger, a second fluid-containing cell adapted to contract when subjected to outside pressure, and a member having an elongated duct formed therein through which fluid may pass from the second cell to the first cell, whereby the application of pressure to the second cell will result in expansion of the first cell and actuation of said plunger.

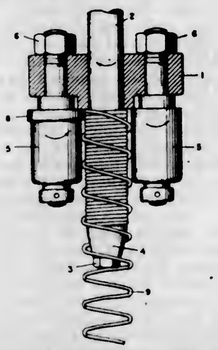
2,495,211
STAR FINDER
Harold B. Curtis, Lake Forest, Ill.
Application November 14, 1947, Serial No. 786,061
10 Claims. (Cl. 35—44)

3. A star finder comprising a holder, a transparent template on one side of the holder and endless star map under the template with approximately 12 hours of right ascension on said map being visible through the template, altitude and azimuth indicating means on the template, an arcuate horizon delineator delineating the horizon opposite the elevated pole associated with the indicating means to indicate the altitude and azimuth of a star on that portion of the map visible through the template, a second transparent template on the other side of the holder with approximately 12 hours of right ascension on said map being visible through the second template, a second altitude and azimuth indi-



cating means on the second template, a second horizon delineator delineating the horizon under the elevated pole and associated with the second indicating means to indicate the altitude and azimuth on that portion of the map visible through the second template and means for moving the map in a linear path under the templates.

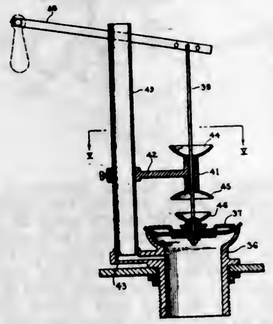
2,495,212
METHOD AND DEVICE FOR MAKING BIASED SPIRAL WOUND TENSION SPRINGS
Abraham de Vries and Louis de Vries, Amsterdam, Netherlands
Application December 3, 1946, Serial No. 713,686
3 Claims. (Cl. 153—67)



1. A method for making a biased spiral wound tension spring comprising forming a preformed strain free spiral spring the convolutions of which are not in contact with one another and said convolutions having one direction of turn, securing an end of said preformed spring on a rotatable member and rotating said member inside the coil of the preformed spring in a direction opposite to that of the turns of the preformed spring and forming thereon a coiled spring having the convolutions in contact with one another and having a different direction of

turn from that of the preformed spring while maintaining the internal surface of the turns of the preformed spring in close contact with the external surface of the spring having the reversed turns.

2,495,213
FLUSHING VALVE APPARATUS
Joseph M. Drum, Pittsburgh, Pa.
Application December 26, 1947, Serial No. 793,779
5 Claims. (Cl. 4—52)



1. A device for controlling the closing movements of a valve for the flushing outlet in the bottom of a tank, comprising a pair of co-operating suction members, one of which is of cup-like form and of resilient material, means for connecting one of the suction members to a member for lifting the valve for movement therewith, means for mounting the other suction member in position to be engaged by said one suction member when the valve lifting member is raised, the suction member of cup-like form being compressed during said raising movement, a water-receiving receptacle in the tank, below the normal water level therein, having communication through a restricted passageway with the space between the suction members, whereby when the valve is released and moves toward its seat, water will flow from the receptacle to said space, thereby effecting release of the movable suction member, and means movable in the passageway to prevent lodgement of solids therein.

2,495,214
CYANOETHER ESTERS OF DIHYDRIC ALCOHOLS
Lowell T. Crews, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 2, 1944, Serial No. 538,533
6 Claims. (Cl. 260—404)

1. A cyanoether ester of a low molecular weight aliphatic dihydric alcohol and a fatty acid containing at least 12 carbon atoms.

2,495,215
METHOD OF PRODUCTION OF ALKALI ARSENITE, PHENOLS, AND ALKALI PHENOLATES
George Lieberman, Houston, Tex.
No Drawing. Application June 16, 1947, Serial No. 755,024
12 Claims. (Cl. 23—53)

3. A method of producing an alkali arsenite and recovering phenols from a mixture containing alkali phenolates comprising the steps of, adding arsenous oxide to the mixture in an amount to react with the alkali phenolates and elevating the temperature of the mixed arsenous oxide and alkali phenolates to liberate the phenols from the alkali phenolates and to react the alkali phenolates with the arsenous oxide to form an alkali arsenite.

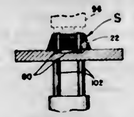
2,495,216
METHOD OF MANUFACTURING PROPELLANTS
Paul A. Longwell, Alvin D. Ayers, and Bruce H. Sage, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy
No Drawing. Application August 7, 1944, Serial No. 548,514
3 Claims. (Cl. 52—22)

1. The method of preparing a double base propellant grain which comprises the steps of colloiding the components of a nitrocellulose-nitroglycerine base powder composition to form a colloidal mixture by dissolving said composition in a solution of acetone and water, the initial weight ratio of said solution being approximately 0.95 weight fraction of acetone and 0.05 weight fraction of water, incorporating into the resulting colloidal mixture by agitation an additional weight fraction of water as a decolloiding agent in an amount sufficient to cause less than complete decolloiding of the mixture, spreading the resulting partially decolloided mixture into the form of a thin film, drying said film, reducing said film to flake form, and finally extruding said flakes through an extruding die in the form of a finished propellant grain.

2,495,217
CONFECTION STOCK
Mary Presto Annarilli, Bridgeton, N. J.
No Drawing. Application March 18, 1946, Serial No. 655,373
16 Claims. (Cl. 99—134)

1. A confection stock comprising, in combination, granulated sugar, powdered milk, powdered cream, cocoa, cream of tartar, and flavoring, characterized in that the powdered milk consists of whole milk, skim milk, and roasted milk.

2,495,218
SECTION FOR STATOR CORES FOR INDUCTION MOTORS
Leonard E. Aske, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application September 28, 1946, Serial No. 700,140
8 Claims. (Cl. 171—252)

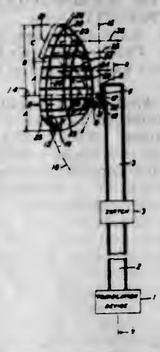


1. A prismatic section of a stator core for an induction motor made up of a graduated series of laminations of different widths secured together and having spaced slots formed in one end for the reception of field windings.

6. A prismatic section of a stator core for an induction motor comprising a plurality of laminations of uniformly different widths secured together with the widest and narrowest laminations constituting opposite parallel prism faces and

with the respective lateral edges of all the laminations aligned to form intermediate non-parallel prism faces.

2,495,219
DIRECTIONAL ANTENNA SYSTEM
Alfred C. Beck, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 24, 1945, Serial No. 574,335
5 Claims. (Cl. 250—33.65)



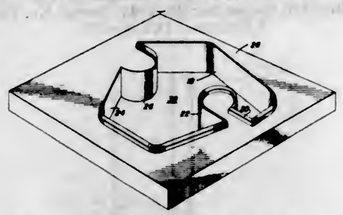
1. In combination, a reflector having an optical or principal geometrical axis and a focus said reflector having a concave surface on one side of said axis, a primary antenna at said focus and a flat deflector extending parallel to and lying on the opposite side of said axis, said deflector being spaced from said reflector and positioned substantially between said reflector and said primary antenna.

2,495,220
METHOD OF PREPARING PHOSPHATE ESTERS
Alan Bell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 26, 1946, Serial No. 718,612
7 Claims. (Cl. 260—461)

6. A process for preparing a reaction product having useful insecticidal properties which comprises heating a reaction mixture consisting essentially of a phosphate from the group consisting of the lower alkyl phosphates and the lower alkyl thiophosphates, and at least one sulfur acid halide from the group consisting of thionyl chloride, sulfuryl chloride, thionyl bromide and sulfuryl bromide, said phosphate being present in said reaction mixture in a greater molar amount than said acid halide, and said heating being sufficient to cause reaction and to liberate from the reaction a major part of all of the sulfur and halogen contained in said sulfur acid halide.

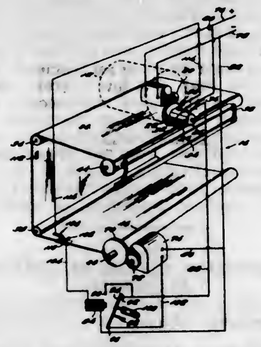
2,495,221
METHOD OF MAKING CUTTING DIES
Milton Berlin, Brooklyn, N. Y.
Original application August 4, 1945, Serial No. 609,006. Divided and this application August 20, 1946, Serial No. 691,675
1 Claim. (Cl. 76—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A method of making a device for punching sheet metal which consists in cutting an opening in a die block having the contour of the desired punching but larger than the punching, bending blade means in strip form to make cutting edges and fitting them around the inside of the opening in the die block, pressing a smaller block of the same contour into the space enclosed by said blades, covering the smaller block within the contour enclosed by the blades with a resilient stripper block of the same thickness as the ex-



posed height of the blades, fastening a punch plate to a base plate, pressing the cutting edges of the blades into the punch plate to mark off said contour thereon, removing the marked punch plate from the base plate, trimming the punch plate to the marked outline of said contour, returning and fastening the punch plate to the base plate, and surrounding said punch plate with cushioning stripper material on the base plate.

2,495,222
AUTOMATIC CLOCK CALENDAR
Carl W. Bierig, Joplin, Mo., assignor to Alvie S. Morningstar, Joplin, Mo.
Application March 1, 1946, Serial No. 651,223
11 Claims. (Cl. 58—6)



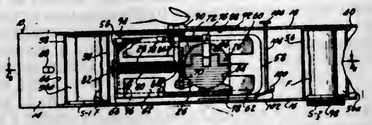
1. A combined calendar and clock comprising, an electric clock, an indicia bearing web, means including a web receiving roll for progressively advancing said web, an electric motor driving said roll, and further means synchronizing operation of said motor and said clock, said further means including a relay having a solenoid, a switch blade operated by said solenoid, a pair of spaced contacts connected to an electric source, one end of said switch blade being connected to the motor, the other end of the switch blade selectively engaging said spaced contacts to complete the circuit through said motor, a pair of spaced terminals on opposite sides of said web for connecting said solenoid to said clock and with the source of current, and means on said web for establishing an electrical circuit between said contacts.

2,495,223
CAMERA AND FOLDING LENS MOUNT THEREFOR
Hans Bodlander, Forest Hills, N. Y.
Application March 31, 1948, Serial No. 18,267
2 Claims. (Cl. 95—11)



1. A camera comprising an elongated fountain pen-like casing having front, rear, top and bottom walls, an opening in the front wall to pass light rays for picture taking, a recess within the casing in from the front wall thereof spaced from the opening, a plate pivotally mounted on the front wall midway between the opening and the recess, said plate being swingable to lie against the body on both sides of the pivot point, a lens on the plate, the plate in one position thereof against the front wall positioning the lens within the recess, and in another position thereof against the front wall positioning the lens in alignment with the opening for picture taking, means to releasably secure the plate in said alternate positions, said means comprising a cap for the camera casing, friction fittable over both ends thereof, the cap fitting over the casing to hold the plate with the lens thereon in the one position thereof within the recess, and fitting over the other end of the casing to hold the plate with the lens thereon in the other position thereof in alignment with the opening for picture taking.

2,495,224
CAMERA AND SLIDING PLATE SHUTTER THEREFOR
Hans Bodlander, Forest Hills, N. Y.
Application March 31, 1948, Serial No. 18,268
1 Claim. (Cl. 95—55)



In a camera; a casing, a lens on the casing, a shutter therewithin comprising a fixed base plate having a film activating light admitting aperture therethrough; a second plate, reciprocably shiftable with respect to the base plate, and disposed behind the base; a light admitting opening in the second plate normally out of registry with the base aperture on one side thereof; first means normally biased to restrain the second plate with respect to the base plate with the opening in the base plate covered by an imperforate portion of the second plate; a third plate, imperforate, reciprocably shiftable with respect to the first and second plates, disposed behind the second plate; said third plate being of such extent as to normally overlie the opening in the second plate on one side of the light aperture in the base plate; second means normally biased to restrain the third plate in said position; an engagement between the third and second plates; means operable from outside the casing to shift the third plate; shifting movement of said third plate against its normal biasing shifting the second plate against its normal biasing with its opening past the light aperture, said opening being covered by the third plate during said shifting movement; means to restrain the second plate in the shifted position with its opening out of registry with the light aperture, on the other side of the aperture; the third plate under the influence of its normal biasing returning to its normal position out of registry with the aperture and in such returned position uncovering the opening in the second plate; means operable from outside the casing to release the retaining means; operation of said release means releasing the tensioned second plate, in response to its normal biasing, to shift back to its original position, the opening in the second plate crossing the aperture in the base plate to permit the passage of film activating light through the registering opening and aperture the casing having a lengthwise extending slit in the top thereof; the means to shift the third plate comprising a rod secured to the third plate and extending upwardly out of the casing through the slit in the top thereof; and means to baffle the slit and prevent light leakage therethrough, which means comprise in part a flat plate secured to the rod overlying the slit on one side of the rod, and in part a flat plate secured to the rod underlying the slit on the other side of the rod.

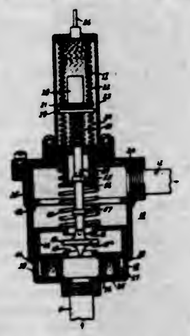
2,495,225
METHOD FOR THE PRODUCTION OF LOW SULFUR SPONGE IRON
Russell C. Buehl, Edgewood, and John P. Riott and Earle P. Shoub, Pittsburgh, Pa.
No Drawing. Application October 7, 1947, Serial No. 778,452
1 Claim. (Cl. 75—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a process for the production of sponge iron, the steps which comprise forming a reducible mixture of iron ore and a carbonaceous reducing agent, adding thereto dolomite which has been sized to about minus 20 plus 100 mesh, and reducing said mixture.

2,495,226
AUTOMATICALLY REVERSIBLE REGULATING VALVE
Harry R. Crago, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 30, 1945, Serial No. 625,564
8 Claims. (Cl. 236—1)

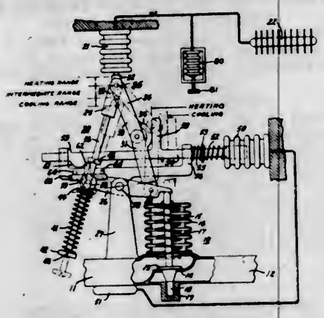
3. An automatic fluid flow regulating valve for effecting opposite changes in the rate of flow of the fluid in two ranges of temperature of the fluid, said valve comprising a casing having an inlet and an outlet, a port member and a port closure member mounted in said casing, said members being movable with respect to one another and cooperating to control the flow of fluid from said inlet to said outlet, one of said members comprising two spaced elements, means including a first thermomotive device responsive to the temperature of the fluid for shifting said members with respect to one another to afford cooperation of the other of said members with

one of said elements in one of said ranges and with the other of said elements in the other of said ranges, and means including a second thermomotive device responsive to a temperature



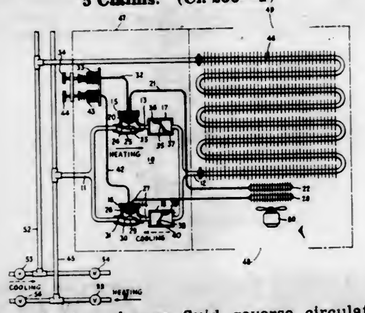
condition dependent upon the flow of the fluid for regulating the relative movement of said members in the same sense in both of said ranges to effect opposite changes in the rate of flow of the fluid.

2,495,227
CONDITION RESPONSIVE REVERSING VALVE MECHANISM
Walter O. Lum, Livingston, N. J., assignor to General Electric Company, a corporation of New York
Application February 19, 1947, Serial No. 729,606
13 Claims. (Cl. 236—1)



2. In combination, means including a reversely movable flow regulating valve for controlling a first variable condition dependent upon another condition, automatic actuating means responsive to said first condition for moving said valve in accordance with variations in said first condition, said automatic means including alternative connections for actuating the said valve, said connections being arranged for effecting opposite movements of said valve with respect to said variations in separate ranges, second automatic actuating means for alternatively rendering said connections effective upon variation in said other condition from one range to another range, and means operated by said second automatic actuating means for opening said valve to provide a predetermined minimum flow only when said other condition is intermediate said ranges.

2,495,228
REVERSIBLE REGULATING VALVE SYSTEM
Robert U. Berry, East Orange, N. J., assignor to General Electric Company, a corporation of New York
Application July 17, 1947, Serial No. 761,704
5 Claims. (Cl. 236—1)



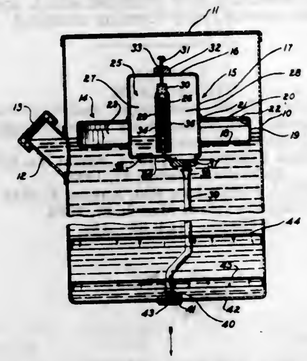
2. A heat exchange fluid reverse circulation control having in combination a pair of flow control valves having separate thermostatic bellows operating means, one of said bellows means having connections for opening the corresponding valve upon a rise in a temperature condition and the other of said bellows means having connections for closing the corresponding valve upon a rise in said temperature condition, conduit means interconnecting said valves to separately control parallel flow paths, and a pair of check valves operable in opposite directions, each connected in a corresponding one of said flow paths for selectively rendering the corresponding condition responsive valve effective only upon flow in a corresponding direction.

2,495,229
PRODUCTION OF TETRAHYDRO-ANTHRAQUINONES
Lynn H. Dawsey, Robert R. Umhoefer, and Carl K. Muehlhausser, Kenmore, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
No Drawing. Application March 13, 1947, Serial No. 734,546
2 Claims. (Cl. 260—369)

1. In a process in which a solution consisting of an anthraquinone compound and an organic solvent therefor is subjected to the action of hydrogen in the presence of a hydrogenation catalyst to produce the corresponding tetrahydroanthrahydroquinone derivative, said anthraquinone compound being selected from the group consisting of anthraquinone and its 2-lower alkyl substitution products, the improvement which consists of using a porous nickel catalyst under 1 to 3 atmospheres hydrogen pressure while maintaining the temperature of the solution in the range between 20° and 75° C.

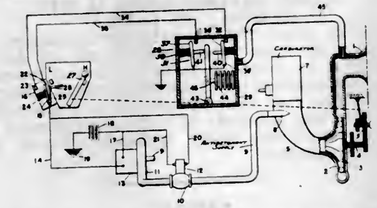
2,495,230
CONTAINER WITH CAPILLARY CONTROLLED DISPENSING MEANS
William M. Day, Salisbury, Md., and Ross L. Fryer, Jr., Washington, D. C.
Application December 6, 1944, Serial No. 566,936
8 Claims. (Cl. 222—187)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device of the character described comprising a fluid container, a float within said container, a fluid chamber carried by said float, said chamber having an inlet therein communicating with said container to admit fluid into said chamber, means providing a fluid outlet for said chamber, means for separating fluid in said chamber about said inlet from said outlet, a metering



device for delivering the fluid in said chamber to said outlet at a predetermined rate, means providing an outlet in said container near the bottom thereof, and a flexible conduit establishing communication between the outlet for said chamber and the outlet in said container.

2,495,231
ANTIDETONANT FLOW CONTROL SYSTEM
Thomas A. Dickey, United States Navy
Application May 22, 1945, Serial No. 595,218
2 Claims. (Cl. 123—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An anti-detonant flow control system for internal combustion engines of the two-speed supercharger type having a gear shift member movable to high and low supercharger speed positions and a liquid line for supplying anti-detonant to said engine, comprising a pump and a normally closed valve in said liquid line, an electrical circuit including means to drive said pump and to open said valve, a pair of switches in said circuit arranged in parallel relation with respect to each other, a master switch associated with said gear shift member and cooperable therewith to connect the first of said pair of switches into said circuit in the low speed position of said shift member, actuating means for said pair of switches, and means operable in response to the engine manifold pressure to position said actuating means so that said pair of switches are open at manifold pressures below a predetermined value and are caused to close successively when the manifold pressure rises to said predetermined value and a relatively higher predetermined value, respectively.

2,495,232
CELLULOSE DERIVATIVES ANR PROCESS OF PREPARING SAME
Nicolas Drisch and René Fays, Paris, France, assignors to Comptoir des Textiles Artificiels, a corporation of France
No Drawing. Application February 23, 1946, Serial No. 649,777. In France May 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 25, 1963
10 Claims. (Cl. 260—231)

1. A cellulose derivative in which the molecular chains of cellulose are chemically united by resinified bridge linkages formed by the reaction of hydroxyl groups of the original material from which the derivative was obtained with a non-resinous polymethylolphenal reagent consisting essentially of a trimethylolphenol.

2,495,233
METHOD OF TREATING CELLULOSIC MATERIALS WITH TRIMETHYLOLPHENOL
Nicolas Drisch and René Fays, Paris, France, assignors to Comptoir des Textiles Artificiels, a corporation of France
No Drawing. Application February 23, 1946, Serial No. 649,779. In France May 26, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1963
6 Claims. (Cl. 8—115.6)

1. A method which comprises impregnating a preformed cellulosic structure containing free hydroxyl groups with not in excess of ten percent by weight of the cellulosic material of said structure of a non-resinous polymethylolphenol reagent consisting essentially of a trimethylolphenol and capable of forming resiniform bridge linkages between cellulose chains, from a solution of said polymethylolphenol reagent, and subjecting the impregnated shaped structure to a thermal treatment to thereby produce a resinification of the bridge linkages.

2,495,234
METHOD OF TREATING CELLULOSIC MATERIALS WITH TRIMETHYLOLPHENOL
Nicolas Drisch and René Fays, Paris, France, assignors to Comptoir des Textiles Artificiels, a corporation of France
No Drawing. Application February 23, 1946, Serial No. 649,780. In France June 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 5, 1964
12 Claims. (Cl. 8—115.6)

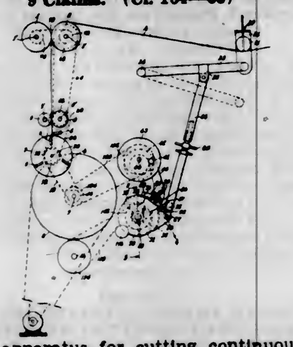
1. A method which comprises subjecting a dense mass of cellulosic material, having free hydroxyl groups and having incorporated therein a non-resinous polymethylolphenol consisting essentially of a trimethylolphenol which upon heating will form resinous bridge linkages between the cellulose chains, to dry saturated steam under pressure.

2,495,235
METHOD OF PREPARING VISCOSE
Paul Pierrat, Courbevoie, and Eugène Colombu, Paris, France, assignors to Societe de Constructions Mecaniques de Stains, Paris, France, a corporation of France
No Drawing. Application June 2, 1947, Serial No. 751,951. In France December 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 27, 1963
2 Claims. (Cl. 260—217)

1. A process for the preparation of viscose in a kneading and crushing device, which comprises adding carbon disulfide and water to a mass of alkali cellulose in said kneading device

while crushing and kneading with a rotary motion, continuing said crushing and kneading after completion of the addition of carbon disulfide with a rotary motion at a speed of about half of the corresponding initial rates to complete the conversion of the alkali cellulose to cellulose xanthate, adding sufficient concentrated caustic soda to convert the xanthate into a pasty mass while crushing and kneading with a rotary motion at a speed of about the corresponding initial rates, and then diluting the mass to form viscose while crushing and kneading with a rotary motion at a speed about 50% higher than their corresponding initial rates.

2,495,236
APPARATUS FOR CUTTING CONTINUOUS FILAMENTS
Paul Pierrat, Courbevoie, and Eugène Colombu, and Gaston Joris, Paris, France, assignors to Societe de Constructions Mecaniques de Stains, Paris, France, a corporation of France
Application June 2, 1947, Serial No. 751,952
In France June 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 29, 1964
9 Claims. (Cl. 164—68)



1. An apparatus for cutting continuous filaments into staple fiber, which comprises a fixed knife, a rotatable knife carrier, a plurality of knives carried by and arranged equidistantly on said carrier, each of said knives on said carrier being adapted to cooperate successively with said fixed knife to sever the filaments fed therebetween, feed rolls to feed the continuous filaments into the zone of action of said knives, means connecting said feed rolls and said knife carrier for rotation in unison at a constant relative speed ratio, a variable speed transmission including an expansible pulley connected to drive said feed rolls and said carrier, and means responsive to changes in tension on the filaments before said filaments are gripped by the feed rolls to control said transmission to vary the speed of rotation of said feed rolls and said knife carrier in a sense to maintain constant tension on the filaments.

2,495,237
METHOD OF MAKING SPONGE-FORMING COMPOSITIONS
André C. Petiton, St. Just-les-Marais, France, assignor, by mesne assignments, to Societe Novacel, Paris, France, a corporation of France
No Drawing. Application August 1, 1947, Serial No. 765,649. In France October 14, 1946
1 Claim. (Cl. 106—122)

In the method of preparing an artificial sponge-forming composition comprising viscose, fibers and pore-forming materials, the steps which comprise wetting the fibers with a viscose solution containing 1.8% cellulose, removing the excess cellulose solution and thoroughly dispersing said fibers while still wet in a sponge-forming composition containing 16% cellulose and a crystalline, water-soluble, pore-forming material.

2,495,238
THUMBTACK
Louis Veyret, Neuilly-sur-Seine, and Paul Vanet, Le Vesinet, France, assignors to La Cellophane, Paris, France, a French company
Application February 20, 1948, Serial No. 9,648
In France March 22, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 22, 1966
1 Claim. (Cl. 85—16)



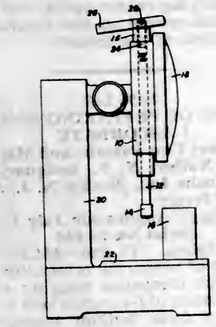
A thumbtack comprising a flat head carrying a plurality of points for penetrating a backing spaced uniformly around the periphery thereof, said head having a peripheral downwardly extending truncated conical flange having a lower surface to contact the backing, the peripheral edge of said flange having indentations spaced between the points to receive a tool.

2,495,239
PROCESS FOR TREATING CELLULOSE
Nicolas Drisch, Paris, and René Fays, Maisons-Lafitte, France, assignors to Comptoir des Textiles Artificiels, a corporation of France
No Drawing. Application June 9, 1948, Serial No. 32,043. In France August 14, 1947
5 Claims. (Cl. 8—115.6)

1. The process which comprises condensing in alkaline medium p-tert-amyl-phenol and formaldehyde in molecular ratio of 1:2 and reacting the condensation product with cellulosic material containing free hydroxyl groups and subjecting the reaction products to thermal treatment to form resiniform bridge linkages between the cellulose chains.

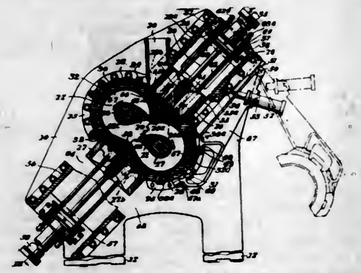
2,495,240
STEM LOCK FOR DIAL GAUGES
Earl L. Duchesne, Philadelphia, Pa.
Application June 18, 1946, Serial No. 677,471
4 Claims. (Cl. 33—172)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. For use with an indicator type gage made up of a case, a longitudinally movable stem extending through said case and having a gaging end which protrudes from one side of said case plus a follower end which axially aligns with an opening in the opposite case side, a dust cap covering said opening and removably attached to said case, and resilient means urging the stem in a direction to effect a maximum protrusion of the stem's gaging end from the case and withdrawal of the stem's follower end away from said dust cap, the combination of a lock stud extending through a hole in said dust cap and threadedly attached to the gage stem's said follower end, a gage stem locking device comprising a latch hingedly attached intermediate its two ends to said stud for selective swinging from an "unlock" position away from the stem to a "lock" position paralleling said stem and in which position one end of said latch abuts said dust cap beside the stem and thereby holds



the stem against said resilient means with the gaging end thereof withdrawn toward the case and the follower end thereof correspondingly protruded from the case into said dust cap.

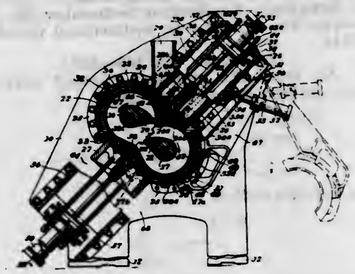
2,495,241
MIXING APPARATUS
Le Roy Esby, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 31, 1945, Serial No. 625,791
22 Claims. (Cl. 259—6)



1. A mixer blade comprising a body portion having a pair of axially elongated, substantially oppositely extending, generally radial wings, each presenting a leading working surface which is convex for the greater portion, at least, of its axial length and has a helical twist longitudinally of the blade, the convexity of the portion of said working surface of each wing adjacent the leading edge thereof decreasing progressively for a portion, at least, of the axial length of each wing from the outer end thereof toward the inner end thereof where it adjoins the other wing.

2,495,242
MIXING APPARATUS
Wendell W. Jones, Aspinwall, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 31, 1945, Serial No. 625,827
9 Claims. (Cl. 259—6)

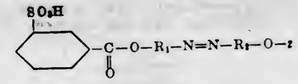
1. A mixer comprising a substantially closed mixing chamber including opposed substantially semi-cylindrical walls having their axes in spaced parallel and horizontal relation and in a single plane inclined to the horizontal, upper and lower closure members slidable in a path normal to said plane and forming upper and lower walls for the



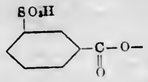
chamber extending between said first-mentioned walls, said lower closure member being of larger closure area than said upper closure member, side members abutting said first-mentioned walls, parallel shafts extending through said side members and mixing blades mounted on said shafts.

2,495,243
ESTERLIKE DERIVATIVES OF AZO DYESTUFFS
Friedrich Felix and Alphonse Heckendorn, Basel, Ernst Reich, Neue Welt, and Fritz Oesterlein, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application September 20, 1945, Serial No. 617,698. In Switzerland October 6, 1944
2 Claims. (Cl. 260—202)

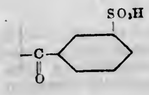
1. The ester-like azo dyestuff derivatives of the formula



in which the



radical is in ortho-position to the azo group and the radical —O—z is in a position adjacent the azo group, one of the symbols R_1 and R_2 represents a benzene radical containing a nitro group, the other one of the symbols R_1 and R_2 represents a naphthalene radical, R_1 and R_2 being free from water-solubility-imparting substituents, and z stands for a member selected from the group consisting of hydrogen and the radical



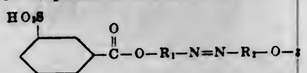
2,495,244
ESTER-LIKE DERIVATIVES OF AZO DYESTUFFS

Friedrich Felix and Alphonse Heckendorn, Basel, Ernst Reich, Neue Welt, and Fritz Oesterlein, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm

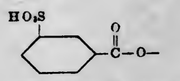
No Drawing. Application September 20, 1945, Serial No. 617,699. In Switzerland October 6, 1944

2 Claims. (Cl. 260—202)

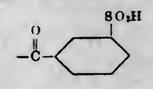
1. An ester-like monoazo dyestuff derivative which corresponds to the formula



in which the radical



is in the ortho-position to the azo group and the symbol —O—Z in a position adjacent to the azo group, —R₁—N=N—R₂— stands for the radical of an azo compound in which R₁ represents an aromatic radical of the benzene series and R₂ stands for an aromatic radical of the naphthalene series, R₁ and R₂ being free from substituents which impart water-solubility but containing together at least two halogen atoms as substituents, z standing for a member of the group consisting of hydrogen and the radical

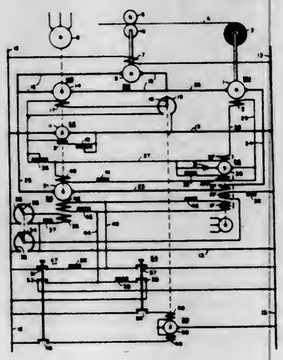


2,495,245
CORE TYPE REEL DRIVE

Martin H. Fisher and Vincent B. Baker, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 11, 1948, Serial No. 48,894

6 Claims. (Cl. 318—530)



1. An electric drive for substantially constant power output, comprising a variable speed motor having a field winding, a first direct-current source of substantially constant voltage and a resistor series-connected to said winding, a second direct-current source of variable voltage and rectifier means connected in series with each other across said winding to aid said first source in supplying field current, and means for controlling said second source according to the armature current of the motor.

2,495,246
METHOD OF PREPARING SODIUM l-ASCORBATE

Herman Herbert Fox, Passaic, and Martha Mabel Creighton, Nutley, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application July 1, 1948, Serial No. 36,446

5 Claims. (Cl. 260—344.5)

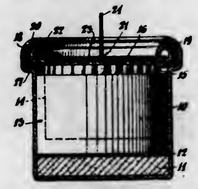
1. A process of preparing crystalline sodium l-ascorbate which comprises treating an aqueous methanolic solution of l-ascorbic acid with sodium bicarbonate to form sodium l-ascorbate, and thereafter adding methanol to said reaction mixture, the entire process being carried out at a temperature of about 55–70° C.

2,495,247
TERMINAL CONSTRUCTION FOR PRIMARY CELLS

Maurice Friedman, Ossining, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application October 29, 1947, Serial No. 782,758

9 Claims. (Cl. 136—135)



1. A terminal construction for primary cells which comprises, in combination, a metal plate forming an end of the cell enclosure and having an electrical potential substantially identical with that of one of the cell electrodes, and a terminal member with an outer circumferential portion for said cell, said plate and said terminal member having respective outer circumferential portions thereof mechanically mutually interlocking each other to maintain them in electrically contacting relation.

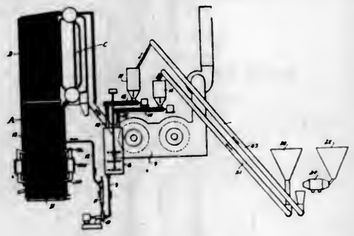
2,495,248
SMELTING PROCESS OF RECOVERING CHEMICALS FROM THE BLACK LIQUOR DERIVED IN PULP MILLS

Emilio A. J. Gagliardi and Charles Mellor, Buenos Aires, Argentina, and Alexander L. Hamm, New York, N. Y.; said Hamm assignor to Combustion Engineering-Superheater Inc.

Application August 8, 1946, Serial No. 689,154

3 Claims. (Cl. 23—48)

1. In the continuous smelting process of recovering chemical from the black liquor derived in pulp mills from digesting the cellulose with white liquor, in which the black liquor in concentrated and then substantially continuously sprayed into a boiler furnace to gravitate therein to be dried for combustion of the combustible constituents thereof and in which salt cake is substantially continuously introduced into the black liquor prior to its introduction into the furnace and in which the chemical is recovered as a smelt in the furnace and the smelt is treated to obtain white liquor for re-use in the digestion of further cellulose, the step of controlling the sulphidity of the white liquor obtained from the smelt by substantially continuously introducing coke in particle form into the black liquor prior to the introduction of such black liquor into the furnace and thereby also assisting in making up any deficiency of B. t. u. of the black liquor for self-sustaining operation.

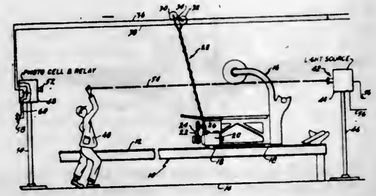


2,495,249
MEANS FOR STOPPING MOVEMENT OF ELECTRICALLY OPERATED CLOTH LAYING MACHINES

Herman Walter Gilbert, New York, N. Y., assignor to Cutting Room Appliances Corporation, New York, N. Y., a corporation of New York

Application March 4, 1947, Serial No. 732,158

7 Claims. (Cl. 270—31)



4. A device for use with a cloth laying-up table having a cloth laying spreader automatically traversing the table longitudinally thereof, comprising switch means resiliently biased toward open position and interposed in the spreader motor circuit for interrupting the current to bring the spreader to a halt, electromagnetic means operable to overcome said resilient bias to hold said switch means in closed position for maintaining said cloth laying spreader in motion, photocell means at one end of said table for supplying current to operate said electromagnetic means, light source means at the other end of said table and arranged to direct a beam of light longitudinally over the length of the table for actuating said photocell means, whereby upon interruption of said light beam by an operator located at any point along said table, said electromagnetic means is deenergized, allowing said resiliently biased switch means to open, stopping the motion of said cloth laying spreader.

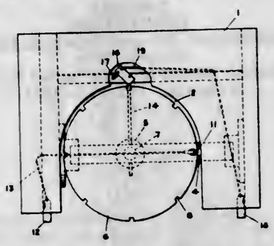
2,495,250
WORKTABLE WITH ROTARY AND TILTING ADJUSTMENTS

William O. Gilly, El Cerrito, Calif.

Application February 8, 1946, Serial No. 646,475

1 Claim. (Cl. 311—35)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



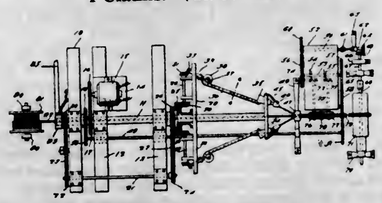
A work table of the class described, comprising a stationary table having a U-shaped recess formed therein, a circular adjustable work supporting member received in said recess, said member having a work supporting surface disposed substantially in a plane, and means mounting said member for rotation about an axis perpendicular to said surface and disposed centrally thereof and for rotation about a second axis perpendicular to said axis, said means including a shaft supported in said stationary table and rotatable about said second axis, a partial disc secured to said shaft and having a plurality of interruptions therein, a latch mounted on said stationary table and adapted to selectively engage said disc at said interruptions to maintain said shaft in a plurality of predetermined positions, a bearing block secured to said shaft, a pintle formed on said member and journalled in said bearing block, said pintle mounting said member for rotation about the first mentioned axis, said member having a plurality of interruptions about its periphery, and a second latch mounted on said shaft and adapted to selectively engage said member at said interruptions and maintain said member in a plurality of predetermined positions.

2,495,251
RIBBON TYPE STRANDING MACHINE

Sherwood C. Hall, Kings Beach, Calif.

Application April 23, 1948, Serial No. 22,765

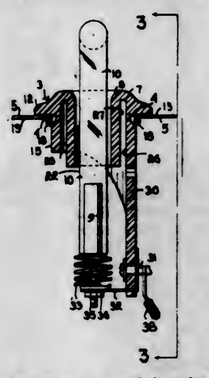
4 Claims. (Cl. 57—13)



1. A rope forming machine comprising a hollow shaft, a first wheel carried by said shaft, a second wheel longitudinally spaced from said first wheel member also carried by said shaft, a plurality of bobbins rotatably mounted on said first wheel, folding dies rotatably mounted on said second wheel in axial alignment with the respective bobbins, means connecting the aligned bobbins and folding dies, forming dies carried by

said second wheel in axial alignment with said folding dies, an annular stationary strand die axially aligned with said shaft, and means for simultaneously axially rotating said shaft and rotating the folding dies and bobbins around the axis of the respective aligned folding and forming dies.

2,495,252
INSULATOR
Asger Hansen, Sr., and Robert R. Brown, Houston, Tex.
Application March 16, 1948, Serial No. 15,068
3 Claims. (Cl. 174—153)

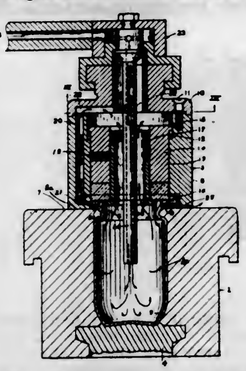


3. A receptacle for receiving luminescent elements passing through a sign plate comprising, an annular body formed of insulating material, means to secure said body in a sign plate, there being an opening through said body to receive the luminescent element, an annular reentrant passage adjacent said opening and extending forwardly thereabout beyond the plane of the sign plate to create air gap insulation from the element extending through the housing, and an arm extending rearwardly and longitudinally of said housing to receive an electrical terminal for connection with said luminescent element.

2,495,253
METHOD AND APPARATUS FOR FORMING ARTICLES OF HOLLOW GLASSWARE
William Hayes, Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 14, 1945, Serial No. 582,730
6 Claims. (Cl. 49—18)

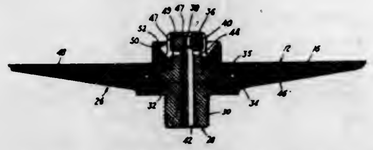
2. In an apparatus for forming articles of hollow glassware, the combination of a blow mold and a blow head, said blow head comprising a bell engageable with said blow mold surrounding a mold opening in said blow mold, a blow tube extending through said bell into said mold opening, a sleeve moveable axially within a bore in said bell, a finish sealing ring associated with said sleeve and moveable therewith to engage the lip of a hollow glass article disposed within said blow mold, a chamber defined by said sealing ring, blow mold and bell, said chamber surrounding said mold opening, a passageway leading from said mold opening between said blow tube and sleeve, a vertical passageway connecting said passageway leading from the mold opening and said chamber, and a vent passageway extending from said chamber for the discharging of fluid therefrom.

5. In a method of blowing a parison of glass to final form, said parison having a substantially completely formed neck finish, the steps comprising directing a stream of blowing fluid into an opening in said parison, sealing the lip of the neck finish against radial discharge of blowing



fluid from said parison and maintaining a circulation of flowing fluid exhausted from the parison surrounding and bathing the outer surface of the substantially completely formed neck finish while continuing the application of glowing fluid to said parison until the final article has been formed.

2,495,254
INFLATION DEVICE
Henry E. Heigis, Nutley, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application October 27, 1944, Serial No. 560,695
7 Claims. (Cl. 9—2)



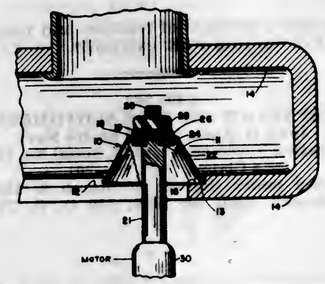
1. A patch for an inflatable device having a wall with an inlet formed therein, comprising a patch portion adapted for securement to the wall of the device about the inlet, and a conduit discharge head partially embedded in said patch portion and provided with a plurality of substantially radial apertures spaced from each other peripherally about said head, said patch portion including a substantially rigid cup-like element around said head having inner surface portions spaced radially opposite said apertures and diverging axially inwardly of said head.

2,495,255
POLYMERIC POLYAMINES
Harvey H. Hoehn, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 28, 1948, Serial No. 4,932
8 Claims. (Cl. 260—63)

1. A polymeric polyamine which is the reaction product of the reductive-amination of a polymer

of a monoolefin containing from 2 to 4 carbon atoms with carbon monoxide in which the mole ratio of monoolefin to carbon monoxide is from 150:1 to 1:1, said polymeric polyamine having a main carbon chain and amino-nitrogens attached solely to members of the class consisting of hydrogen and hydrocarbon as lateral substituent groups with the nitrogen thereof directly attached to a carbon atom which is an integral part of said main carbon chain.

2,495,256
ROTARY BOILER HAND-HOLE SEAT SCRAPER
Omar F. Hoelzel, Portsmouth, Va.
Application July 19, 1946, Serial No. 684,904
4 Claims. (Cl. 15—104.02)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

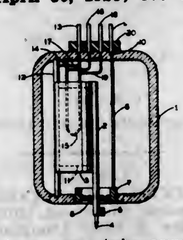


3. A rotary, power-driven scraper adapted to remove foreign material from metallic surfaces comprising a hollow thin-walled, conical body composed of softer metal than that of the metallic surfaces and provided with a small end and an open large end having a peripheral edge, a shaft extending concentrically through the body to the small end thereof, means for securing the shaft to the body and means for rotating the shaft and body with said peripheral edge in scraping contact with the metallic surfaces, said scraping contact continually renewing the peripheral edge of the body as the thin wall thereof wears away.

2,495,257
DIAMOND ABRASIVE ARTICLE
Robert H. Hunter and Wallace H. Friberg, Auburn, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 18, 1947, Serial No. 755,502
15 Claims. (Cl. 51—309)

1. The method of making a diamond abrasive article which comprises mixing together a quantity of diamond powder and a quantity of iron powder, molding the mixture of powders to form a desired shape, pressing the mixture, then heating the pressed shape in an oxidizing atmosphere to convert so much of the iron to iron oxide as will give at least 50% by volume of iron oxide in the article exclusive of the diamond powder and pores.

2,495,258
ELECTRONIC VACUUM TUBE
Matthew J. Iatesta, Philadelphia, Pa.
Application December 9, 1946, Serial No. 715,124
1 Claim. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An electronic vacuum tube comprising an insulating envelope, a tubular cathode mounted on an insulating base fixed to said envelope, filament means positioned within said tubular cathode and mounted on said base, a metal flexible diaphragm positioned in an opening in said envelope opposite said base and centrally supporting a stylus externally of said envelope, a semi-cylindrical anode adjacent said cathode in said envelope supported on said diaphragm for limited movement with respect to said cathode, and separated electrical connections through said base to said filament means, said cathode and said anode.

2,495,259
TAUT GRID ELECTRODE FOR ELECTRON TUBES
George Samuel Jackson, United States Navy
Application November 14, 1945, Serial No. 628,630
12 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



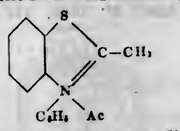
1. A mount for a planar electrode comprising a base having an aperture, a pair of oppositely-disposed bowed thermally expansive members secured in said aperture, the ends of said bowed members engaging said base, and a metallic electrode consisting of a plurality of conductors in a plane, the ends of said electrode conductors engaging said bowed members.

2,495,260
3-ARYLBENZOTHIAZOLIUM QUATERNARY SALTS AND PROCESS FOR PREPARING THE SAME
Jacob Josef Jennen, Antwerp, Belgium, and Walter Michaelis, deceased, late of Hollywood, Calif., by Hella Michaelis, administratrix, Hollywood, Calif.; said Jacob Josef Jennen and Walter Michaelis, assignors to Béla Gaspar
No Drawing. Original application May 17, 1940, Serial No. 335,854. Divided and this application April 25, 1944, Serial No. 532,694. In Great Britain April 24, 1939
7 Claims. (Cl. 260—304)

1. A process for preparing a cyclammonium quaternary salt comprising oxidizing, with a

halogen, an N,N-diarylthioamide in which the aryl groups contain a hydrogen atom attached to the aryl nucleus in at least one of the positions ortho to the amide nitrogen atom.

7. A 2-methyl-3-phenylbenzothiazolium quaternary salt of the following formula:



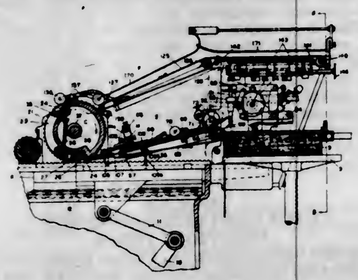
wherein Ac represents an acid radical.

2,495,261

PRINTING MECHANISM

Joseph F. Jirousek, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio

Application March 29, 1943, Serial No. 480,884
11 Claims. (Cl. 101—278)



1. In mechanism of the character described, means for printing sheets in transit between side-by-side feed and delivery tables, comprising a printing couple having a reciprocable bed for carrying the form and a cylinder intergeared with said bed for carrying the sheet to be printed, a feed table and means to feed such sheet therefrom to said cylinder adjacent the line of contact of said cylinder with said bed, and means located above said sheet feeding means and adapted to take from said cylinder a sheet, conveyor means disposed transversely of said last-named means, and a delivery table to receive a sheet therefrom.

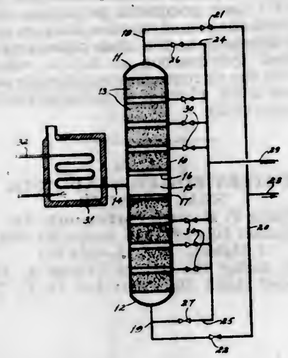
2,495,262

CATALYTIC TREATMENT AND THE REGENERATION OF CATALYST IN STATIONARY BEDS

Percival Cleveland Keith, Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey

Application January 21, 1947, Serial No. 723,345
11 Claims. (Cl. 196—52)

1. In the catalytic treatment of a reactant feed including periodic regeneration of the catalyst, the steps which comprise supplying said reactant feed under reaction conditions to a central point in the catalyst mass and directing said reactant feed in contact with said catalyst mass toward one extremity thereof, introducing a catalyst regenerating agent at the other extremity of said catalyst mass while withdrawing reaction and regeneration products from the first-named extremity, and thereafter, periodically reversing the flow of the reactant feed through said mass by introducing the regenerating agent at the first-named extremity of said mass and



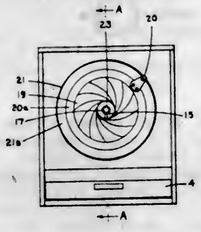
withdrawing products of reaction and regeneration from the said other extremity.

2,495,263

DIAPHRAGM SHUTTER SCOTOMETER

John H. Korb, United States Navy

Application November 17, 1947, Serial No. 786,489
4 Claims. (Cl. 88—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for testing individual dark adaptability comprising a housing, a radium plaque mounted in said housing, a filter mounted adjacent the face of said radium plaque, a fixation means positioned forward of the mid point of said radium plaque, an adjustable diaphragm shutter surrounding said fixation means and adjustable against the fixation means to fully close the front of the housing against the passage of light from said plaque, said shutter having a control member for regulating the size of the opening in the shutter, and a calibrated member adjacent said control member for indicating the size of the shutter opening.

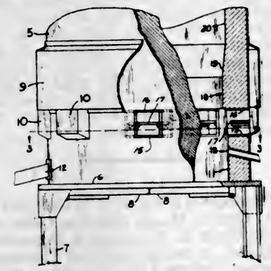
2,495,264

CUPOLA FURNACE

Herman P. Kreulen, Elm Grove, Wis., assignor to Grede Foundries, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application July 3, 1947, Serial No. 758,924
5 Claims. (Cl. 266—30)

1. A cupola having tuyère openings the minimum dimensions of which comprise a height of at least nine inches, and an aggregate cross section of at least one-third the area of the



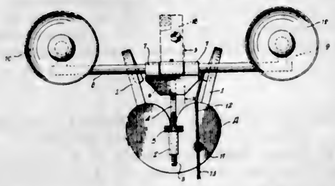
horizontal interior cross section of the cupola at the level of the tuyère openings.

2,495,265

CAMERA AND LIGHTING SUPPORT

Leo M. Krogman, Chicago, Ill.

Application February 28, 1947, Serial No. 731,627
2 Claims. (Cl. 240—2)



1. Photographic apparatus comprising a breast plate having a pair of laterally spaced rearwardly projecting shoulder hooks, a lug on the forward side of said breast plate, a vertical bracket having its lower end journalled in said lug and projecting forwardly and upwardly to a level above said breast plate, a pair of laterally spaced, horizontally aligned barrels fixed on the upper end of said bracket, a horizontal rod journalled through said barrels and having forwardly offset photographic lamps on its opposite ends, a camera shelf having a barrel on its forward end supportably journalled on said rod between said pair of barrels whereby said camera shelf projects rearwardly from said rod, and means for fixedly securing said camera shelf barrel on said rod to align the lens of a camera mounted on said shelf with the axes of said lamps and whereby said camera and lamps can be tilted together vertically on the axis of said rod and turned horizontally on the axis of the lower end of said vertical bracket relative to said breast plate to follow a subject to be photographed.

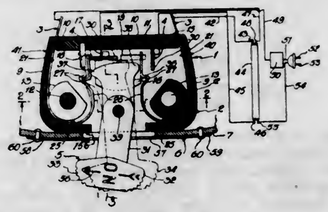
2,495,266

STARTER SWITCH FOR FLUORESCENT LAMPS

Michael Henry Kruger, Malden, Mass., assignor to A. L. Smith Iron Company, Chelsea, Mass., a corporation of Massachusetts

Application June 6, 1947, Serial No. 753,031
4 Claims. (Cl. 200—6)

1. An electric switch for starting and operating a fluorescent lamp comprising a body composed of insulating material, a pair of stationary contact plates fixed in said body having two fixed terminals, a pair of looped plates mounted in said body, each looped plate having one fixed terminal and one yieldable terminal, one of said yieldable terminals being normally in yieldable engagement with one of said stationary plates and the other yieldable terminal being normally biased clear of said other stationary plate, and a lever composed of insulating material pivotally mounted in said body having an arm operatively associated with said yieldable terminals to enable said arm in one position to anchor said one yieldable terminal out of engagement with said one of said stationary plates in "off" position, in a



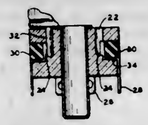
second position to clear said one yieldable terminal to enable said one yieldable terminal under its own bias to engage said one stationary plate, and at the same time momentarily press said other yieldable terminal into engagement with said other stationary plate in "starting" position, and in a third position under the bias of said other yieldable terminal to clear said other stationary plate in "on" position, said contact plates, looped plates and the axis of said lever extending perpendicular to a common plane with the two yieldable terminals disposed to either side of said arm.

2,495,267

VACUUM TUBE SOCKET

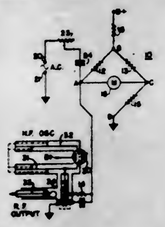
Richard C. Larson, Spring Lake, N. J.

Application July 26, 1946, Serial No. 686,280
7 Claims. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



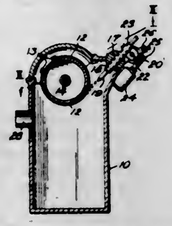
2. In a tube socket, an insulating body, pin-receiving openings in said body, an annular groove in said body communicating with said pin-receiving openings, contact members in said pin-receiving openings, said contact members having a contact portion and a portion projecting outwardly of the body through said annular groove and provided further with lug means at the end of the projecting portion, a resilient ring of nonconducting material in said groove, said ring pressing on said contact members to force said contact members into contacting position, a support for said socket comprising a flange member yieldably supported by said resilient ring whereby the shocks communicated to a tube mounted thereon will be materially lessened.

2,495,268
AMBIENT TEMPERATURE COMPENSATED BOLOMETER BRIDGE
John P. Leiphart, United States Navy
Application May 7, 1945, Serial No. 592,432
3 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a four-terminal bridge circuit having resistive impedances in each arm, one of said impedances being of the type such that the resistive value thereof varies substantially with thermal changes therein in proportion to the current flow therethrough, the remaining impedances being fixed values, a direct current milliammeter connected across one pair of diagonally opposite corners of said bridge, a source of unidirectional electromotive force connected across the other pair of diagonally opposite corners of said bridge, means including a substantially constant source of alternating electromotive force of audio frequency introduced to said bridge circuit for maintaining said thermally-variable resistive impedance substantially insensitive to ambient temperatures, said alternating electromotive force being initially adjusted to effect a balanced condition in the bridge circuit, and an input circuit to said bridge for introducing across said thermally-variable impedance a radio frequency oscillatory energy to be measured.

2,495,269
MACHINE FOR PREPARING LITHOGRAPHIC OR OTHER PRINTING PLATES AS WELL AS RUBBER SHEETS USED IN OFFSET PRINTING
Johan Gunnar Lindmark, Stockholm, Sweden, assignor to Aktiebolaget Johnson & Borsell, Stockholm, Sweden, a corporation of Sweden
Application January 25, 1946, Serial No. 643,271
In Sweden January 26, 1945
8 Claims. (Cl. 51—15)

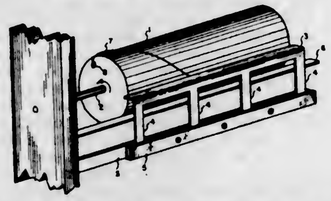


5. A machine for graining lithographic and other printing plates as well as rubber sheets used in the art of offset printing, comprising in combination a rotatable drum, means for rotating said drum at a high peripheral speed, means for removably securing the work on said drum, a housing for said drum, an elongated opening in said housing extending in parallel with the axis of rotation of said drum, means for sealing said elongated opening, at least one sand blast nozzle extending through said elongated opening and directed towards said drum, means for moving said nozzle along said opening while maintaining said sealing means operative and suction means communicating with said housing and adapted to maintain a sufficient sub-atmospheric pressure therein to prevent dust from emerging into the surrounding locality.

2,495,270
PHENOTHIAZINE DRENCH COMPOSITIONS
Clarence A. Littler, Maple Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1945, Serial No. 579,165
6 Claims. (Cl. 167—53)

1. A composition in the form of a powdered mixture readily dispersible in water and adapted for the preparation of an anthelmintic drench, the composition comprising a major proportion of phenothiazine containing diphenylamine and minor proportions of a monomeric non-ionic, monohydroxy aliphatic alcohol containing from 8 to 14 carbon atoms, and of a non-amylaceous, non-ionic, high molecular weight in excess of 5000, water-soluble, polyhydroxylic polymer selected from polyvinyl alcohol and methyl cellulose.

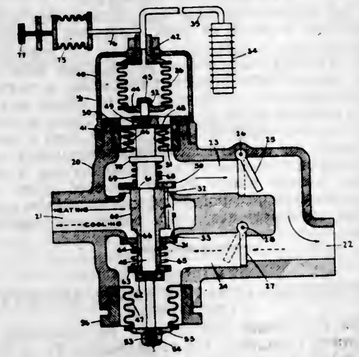
2,495,271
UNITARY SPRING AND PRINTER BLADE FOR FACSIMILE RECORDERS
John H. Long, Jackson Heights, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application April 12, 1947, Serial No. 741,077
12 Claims. (Cl. 346—101)



1. In an electrical recording device, the combination of, a rotatable helical electrode and a flexible linear electrode for cooperating to mark a record sheet passing therebetween, said linear electrode comprising a structure including a thin linear printing edge and a structure continuation bent substantially at right angles including a plurality of leaf spring means for urging said printing edge toward said recording sheet, and means for rigidly holding the ends of said spring fingers remote from said printing edge.

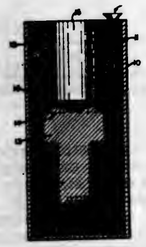
2,495,272
INVERSE AUTOMATIC FLOW REGULATING VALVE SYSTEM
Walter O. Lum, Livingston, N. J., assignor to General Electric Company, a corporation of New York
Application July 17, 1947, Serial No. 761,675
8 Claims. (Cl. 236—1)

5. A fluid circulation control having in combination conduit means providing a pair of fluid flow openings for connecting said control in a single fluid path and a pair of branches extending in parallel between said openings for circulation of fluid therebetween, means for directing fluid flowing through said path in one direction solely through one of said branches and fluid flowing in the opposite direction solely through the other of said branches, a pair of



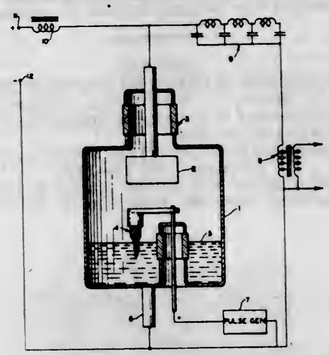
separately operable flow control valves each arranged to control the flow of fluid in a corresponding one of said branches, each of said valves having means for normally biasing the valve to a closed position, and automatic means responsive to a variable condition for separately and progressively opening a corresponding one of said valves in response to variations in opposite directions of said condition.

2,495,273
METHOD FOR MAKING SOUND METAL CASTINGS
Carlton G. Lutts, Salem, John P. Hickey, Mattapan, and Michael Bock, II, Boston, Mass.
Application July 25, 1946, Serial No. 686,102
1 Claim. (Cl. 22—215)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



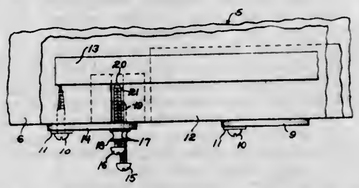
A method of making sound metal castings with a high percentage yield of good casting to metal poured, comprising the steps of pouring molten metal into a mold having a riser cavity, stopping the pouring when the metal reaches the bottom of the riser, and adding to the surface of the molten metal at the bottom of the riser cavity an exothermic powder mixture in the amount of 5% to 25% of the weight of the metal in the mold, said powder mixture including an oxide of the metal used in the casting.

2,495,274
ELECTRICAL DISCHARGE DEVICE
William G. Mayer, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War
Application December 19, 1944, Serial No. 568,928
4 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gas discharge device having an anode, a mercury cathode, and a starter electrode formed of high resistance refractory material having an irregular surface characterized by a plurality of pores partly submerged in the mercury cathode, means for reducing the energy required to initiate the discharge, said means including a deposit of radio-active material on the surface and in the pores of the refractory material of said starter electrode, said radio-active material having a radio activity at least comparable to polonium.

2,495,275
PAPER HANGER'S STRAIGHT EDGE GAUGE
John J. Miller, San Bernardino, Calif.
Application March 9, 1948, Serial No. 13,855
5 Claims. (Cl. 164—78)



5. A straight edge gauge including the combination with a cutting table having a substantially straight front edge, of a pair of gauge members pivoted at one end of each to the front edge of the table and spaced a predetermined distance apart, a pair of gauge bolts forming adjustable stops mounted upon another portion of each gauge member and projecting different distances inwardly upon said table from the front edge thereof, said stops being individually

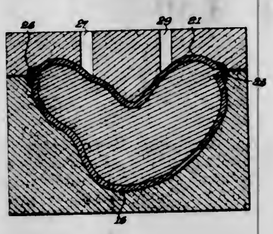
adapted to abut the edge of the straight edge resting on said table when the gauge members are swung up into selected operative positions, a pair of undercut slot portions in the front edge of said table disposed individually adjacent to the gauge members in effective positions to receive one or both stops on said gauge members when the latter are swung down into inoperative idle position, and a plurality of pendently swingable paper stops pivotally mounted at one end of each to said front edge of the table intermediate the gauge members and capable of being swung up into effective positions for engaging the edge of a length of paper lying on said table and being swung down into idle position below the level of the working surface of said table.

2,495,276

PROCESS FOR MAKING MULTIPIECE MOLDS

Clare L. Milton, Jr., Akron, Ohio, assignor to the United States of America as represented by the Secretary of the Army

Application February 2, 1948, Serial No. 5,713
4 Claims. (Cl. 76—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A process for casting multiple-piece molds wherein accurate mating of multiple surfaces is required for producing replicas of a given object, which comprises filling an open, flexible model of the object to be reproduced with a readily-removable, rigidifying core material until the model becomes rigid, masking predetermined portions of the now-rigid model, coating the remainder of the model by spraying a low-melting metallic material thereon, removing the masking, applying separator means to terminal surfaces of the sprayed coating, completing coating the model by spraying the low-melting metallic material on the now-exposed surface of the model, thereby producing a multiple-sectional coating, removing the rigid core material, collapsing the flexible model and removing the collapsed model from the coating, separating the sections of the coating while maintaining the sections in original relative alignment, connecting the separated sections by bridging them with low-melting connecting means for securing the sections in position, completely investing the separated sections and connecting means in refractory investment material, melting out the invested sections and connecting means, thereby forming corresponding mold cavities connected by bridging channels, substantially simultaneously casting mold material in the mold cavities and connecting channels, removing the investment material, removing the connecting portions of the mold material from the channels, and assembling the resulting mold sections into a complete mold.

2,495,277

COMPOSITIONS, INCLUDING A HYDROGENATED SEMIDRYING OIL AND METHACRYLATE RESIN MIXTURE AS A LUBRICANT

Victor A. Navikas, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application December 31, 1942, Serial No. 470,915
7 Claims. (Cl. 260—17.4)

2. An extrudable cork composition mix which comprises a mass of cork particles, a binder therefor, and a lubricant coating the cork particles without substantial penetration into the body thereof, said lubricant including a mixture of hydrogenated cottonseed oils in which one oil has a melting point of about 98° F. and another has a melting point of about 140° F., and a bodying agent for the oils consisting essentially of a thermoplastic methacrylate resin having a molecular weight above 10,000 selected from the group consisting of polybutyl methacrylate, polymethyl methacrylate, and polypropyl methacrylate.

2,495,278

DEHYDROGENATION OF ALKYL AROMATIC COMPOUNDS

Joseph E. Nickels, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application April 12, 1946, Serial No. 661,871
4 Claims. (Cl. 260—669)

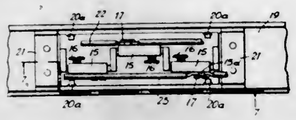
1. A process of dehydrogenating alkyl aromatic hydrocarbons in which the alkyl group contains two or more carbon atoms comprising: vaporizing the aromatic hydrocarbon, mixing the vapors with a large excess of steam and passing the steam-vapor mixture through a catalyst composed essentially of bauxite having a minor proportion of alkali metal carbonate distributed therein at a temperature of 500° to 700° C.

2,495,279

ELECTRICAL INTERCONNECTION DEVICE

Joseph F. O'Brien, Lebanon, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application March 14, 1946, Serial No. 654,322
1 Claim. (Cl. 173—324)



In an electrical connection device, a connection block comprising an integral insulating wall portion of a plurality of substantially alternately reentrant formations giving rise to alternate inner and outer zones, and a mounting base portion disposed substantially perpendicularly thereto; a base plate attached to said mounting base portion; a channel mounting strip secured to said base plate; resilient clip members spaced apart on said base plate, said clip members being of upstanding channel formation adapted to engage the inside walls of said channel mounting strip and associated connection block within said channel mounting strip; and contact elements of substantially saddle formation positioned astride said wall portion, each of said contact elements having one of its side members lying in an outer zone of said wall portion and the other of its side members lying on the corresponding inner zone at the opposite side of said wall portion.

2,495,280

COMPOSITE ELECTRICAL CONDUCTOR STRIP

Joseph F. O'Brien, Lebanon, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application March 7, 1946, Serial No. 652,598
2 Claims. (Cl. 174—117)



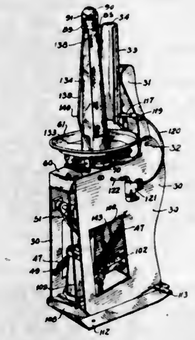
1. A composite electrical wiring strip comprising in combination: electrical conductor rods disposed lengthwise of the strip; a spacer element of stiff, yet yieldable electrically insulating material interposed between said electrical conductors and disposed lengthwise of the strip, said spacer element serving to maintain the respective electrical conductors in mutually spaced relation within the strip; said conductor rods and said spacer element having mating offsets at intervals along their length for preventing longitudinal movement of said conductor rods relatively to the strip; a yieldable, protective electrically insulating casing extending lengthwise of the strip and encompassing said conductors and said interposed spacer element; and means securing said protective casing to said spacer element along the length of the strip; said component parts of the strip being otherwise free and non-adherent to permit limited relative movement thereof during the installation of said wiring strip.

2,495,281

SLEEVE PRESSING MACHINE

Edwin I. Pearson, Salt Lake City, Utah, assignor to Louis N. Strike, Salt Lake City, Utah

Application January 2, 1945, Serial No. 571,035
32 Claims. (Cl. 223—57)



1. In a sleeve pressing machine, a buck rotatable about an axis within the body of the buck, a pressing head movable to and from a position in engagement with the buck in different rotary positions of the buck, and means to rotate the buck upon movement of the pressing head.

2,495,282

THERMOSETTING AND THERMOSET COMPOSITIONS COMPRISING MONOOLEFIN/-CARBON MONOXIDE POLYMERS AND PROCESS FOR OBTAINING SAME

Paul Swithin Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 5, 1946, Serial No. 707,995
4 Claims. (Cl. 260—67)

3. A thermosetting composition which comprises a mixture of formaldehyde and the product obtained by heating from 75° C. to the boiling point a solution containing a monoolefin/carbon monoxide polymer, a basic compound in amount of from 1% to 15% by weight of said polymer, and furfural in amount at least equal to the weight of said polymer, said composition containing said formaldehyde in amount of from 10% to 50% by weight of said polymer, said basic compound being selected from the group consisting of alkali and alkaline earth metal compounds, said polymer consisting of from 20 to 50 mol per cent carbon monoxide and from 80 to 50 mol per cent of polymerizable material consisting of a monoolefin containing from 2 to 4 carbon atoms.

2,495,283

POLYMERIC POLYAMINE AND WAX COMPOSITIONS AND ARTICLES TREATED THEREWITH

James H. Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 10, 1948, Serial No. 26,245
9 Claims. (Cl. 260—28)

1. A composition comprising a wax and a polymeric polyamine in the ratio by weight of from 1:5 to 1200:1, said polymeric polyamine being the product obtained by the reductive amination of a polymer of a monoolefin containing from 2 to 4 carbon atoms with carbon monoxide, which polymeric polyamine has a main carbon chain and amino nitrogens attached solely to members of the class consisting of hydrogen and hydrocarbon as lateral substituent groups with the nitrogen thereof directly attached to a carbon atom which is an integral part of said main carbon chain.

2,495,284

POLYCYANOHYDRIN MADE BY REACTING HYDROGEN CYANIDE WITH A MONOOLEFIN/CARBON MONOXIDE POLYMER

Paul S. Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1948, Serial No. 42,349
12 Claims. (Cl. 260—63)

9. A polycyanohydrin which is the reaction product in basic medium of reactants consisting of hydrogen cyanide and a monoolefin/carbon monoxide polymer, and in which at least 4% of the carbonyl groups in said polyketone are converted to cyanohydrin groups, said polyketone having a molecular weight of from 250 to 10,000 and being the polymerization product of a 2 to 4 carbon atom monoolefin with carbon monoxide in a mole ratio of said monoolefin to carbon monoxide of from 1 to 150:1.

2,495,285

WAX AND POLYMERIC POLYKETONE COMPOSITIONS AND ARTICLES COATED THEREWITH

Harvey H. Hoehn, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 25, 1949, Serial No. 83,513.
13 Claims. (Cl. 260—28.5)

1. A composition comprising from 1 to 99 parts by weight of a wax and from 99 to 1 parts by weight of a polymeric polyketone obtained by polymerizing ethylene with carbon monoxide in which the mole ratio of ethylene to carbon monoxide is from 150:1 to 5:1.

2,495,286

INTERPOLYMERS OF CARBON MONOXIDE AND METHOD FOR PREPARING THE SAME

Merlin M. Brubaker, Chadds Ford, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 8, 1949, Serial No. 97,908
15 Claims. (Cl. 260—63)

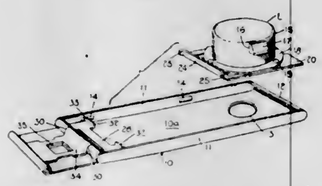
1. A process for the preparation of polymerization products which comprises heating together carbon monoxide with a polymerizable organic compound containing ethylenic unsaturation in the presence of a per-oxy compound catalyst, and in the absence of a Friedel-Crafts catalyst, said compound containing ethylenic unsaturation being one which undergoes addition polymerization when subjected to the polymerizing action of a per-oxy compound.

2,495,287

TRUNK LOCK

Harry A. Cooper, Stamford, Conn.

Application January 16, 1947, Serial No. 722,360
17 Claims. (Cl. 70—75)



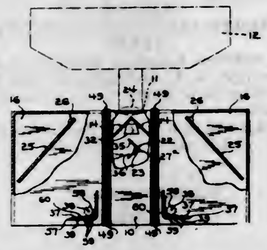
1. In a lock of the class described, a hasp formed of sheet metal to present a front face and with the sheet metal cut and bent to form integral lateral flanges at both sides and at one end, a part of the end flange being bent inwardly to form a retaining lip, and said side flanges each having a shallow groove, a locking assembly comprising a rotatable key plug, a cylinder in which said key plug rotates, and a bolt mounted for movement relatively to the cylinder and retracted by rotation of said key plug, said hasp having an opening in its front face through which the key plug of said locking assembly is accessible when said locking assembly is applied to the back surface of said front face and between the side flanges and the end flanges, a part of said locking assembly lying under the retaining lip of the end flange, and lugs on said locking assembly extending into said shallow grooves.

2,495,288

STEREOSCOPIC ADAPTER

John Mark Richards, New York, N. Y.

Application December 15, 1945, Serial No. 635,276
5 Claims. (Cl. 95—18)



1. A stereoscopic adapter, according to the specification, comprising a central stationary housing having a posterior aperture for engaging upon a camera lens and box in axial alignment and having open sides, said camera lens being maintained static in said posterior aperture and protected from external light, two center picture-taking mirrors with planes at right angles to each other and respectively 45 degrees to the optical axis of the camera lens with their reflecting surfaces directed posteriorly and laterally and fixedly mounted within said housing along the optical axis of the camera lens with their contacting edges extending vertically, side housings open anteriorly and disposed laterally to said central housing and having their medial sides open and in line with the correlated central housing open sides, said medial sides being joined by a light-proof variably extensible structure, mechanism including racks connected to said side housings and a gear in mesh with said racks for shifting said side housings with respect to the center housing, and means for preventing center overlap of stereoscopic picture images, including a mask at the medial side of each lateral housing anterior aperture, each of said masks being adjustable over its correlated side housing front for said purpose and accordingly synchronized by means of said rack and gear mechanism with the lateral housing mirror angulation respectively, and also adjustable for different camera lens apertures as desired, and two side picture-taking mirrors mounted one in each of said side housings and set with their reflecting surfaces anteriorly and medially directed relative to the optical axis of said camera lens and placed with their posterior edges lateral to the contacting edges of said two center picture taking mirrors and forming an angle variable from a maximum of 45 degrees to a minimum of 0 degrees to the optical axis of said camera lens and means for varying the angles of said side mirrors separately and means for varying the angles of said side mirrors simultaneously.

2,495,289

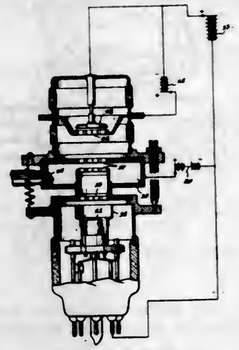
ELECTRON DISCHARGE DEVICE

William W. Rigrod, Bloomfield, N. J., and Edward Pawlishen, deceased, late of New York, N. Y., by John Pawlishen, administrator, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 12, 1943, Serial No. 509,962
5 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising in combination, a resonator, a cathode at one side

of said resonator for producing primary electrons, means at the other side of said resonator for producing secondary electrons, means between said cathode and resonator for causing the primary electrons to move as a beam in a direction from the cathode through the resonator and



to the secondary electron producing means, and means in the path of said secondary electrons between the secondary electron producing means and the resonator for causing the secondary electrons to enter into and move in the opposite direction in the resonator to the primary electrons.

2,495,290

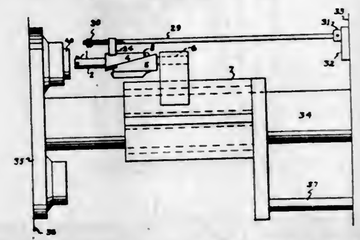
WITHDRAWN

2,495,291

RECESSING TOOL HOLDER

Michael J. Schlitters, Grosse Pointe Park, Mich.

Application May 25, 1945, Serial No. 595,693
4 Claims. (Cl. 77—58)



1. A recessing tool holder comprising a supporting and a supported member, means for guiding the supporting member in a rectilinear travel to and from the work and for restraining such member from rotation, said members having contiguous cam faces acutely divergent to the direction of said travel, means for interconnecting said members and guiding them in a relative travel along said faces in the direction of said divergency, a cutter carried by the supported member, a spring housed in one of said members reacting between the two members to urge the supported member toward the work, means for regulably limiting response of the supported member to said spring, and stop-engaging means carried by the supported member, effective upon encountering a stop during advance of the tool holder toward the work, to induce a relative travel of the members along said cam faces, whereby the supported member is shifted transversely to the tool advance to give effect to the cutter.

2,495,292

HYDROGENATION OF CARBON MONOXIDE-MONOOLEFIN POLYMERS

Samuel L. Scott, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 1, 1944, Serial No. 552,390
15 Claims. (Cl. 260—66)

1. A process for the treatment of interpolymers which comprises hydrogenating an ethylene-carbon monoxide interpolymer, having an ethylene/carbon monoxide ratio within the range of 1.3/1 to 45/1, in the presence of from 10% to 70%, based on the weight of the said interpolymer, of a hydrogenation catalyst, with hydrogen under superatmospheric pressure at a temperature within the range of 75° C. to 350° C., whereby a hydrogenation product comprising an ethylene-carbon monoxide polymeric chain with carbonyl groups reduced to secondary alcohol groups is obtained.

2,495,293

POLYMERIC POLYTHIOLS

Samuel L. Scott, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 19, 1948, Serial No. 9,619
5 Claims. (Cl. 260—63)

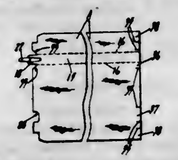
1. A polymeric polythiol which is the reaction product of the reductive-thiolation with hydrogen and hydrogen sulfide at a temperature of 75° to 300° C. of a polymer of 1 molar equivalent of carbon monoxide and from 1 to 150 molar equivalents of a monoolefin containing from 2 to 4 carbon atoms, said polymeric polythiol having a main chain of contiguous carbon atoms and having thiol groups as lateral substituent groups thereon with the sulfur of each thiol group directly attached solely to hydrogen and to a carbon atom which is an integral part of said main chain of contiguous carbon atoms.

2,495,294

METHOD OF PREPARING CONTAINER BLANKS WITH TEAR-STRIP TONGUES

John E. Socke, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

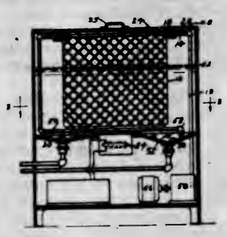
Application December 14, 1944, Serial No. 568,185
2 Claims. (Cl. 113—120)



1. The method of preparing body blanks for sheet metal containers, each having a side seam and an integral removable tearing strip having a portion thereof embodied in the side seam, said strip terminating in an abbreviated projecting tongue at its outer end to economize in body blank material, said method comprising transversely cutting a strip of sheet metal stock to

divide the strip into a plurality of body blanks having complementary edges at the side seam area including oppositely extending spaced abbreviated tongues with the tongue of one blank extending into the side seam area of the adjacent blank, cutting an integral elongated tongue extension from the abbreviated tongue of a said cut blank and also from the contiguous portion of the tearing strip area of the blank to be embodied in the side seam of the finished container by cutting along a continuous line of severance while leaving an uncut tongue portion between the ends of said line adjacent the outer projecting end of the abbreviated tongue, and then bending said tongue extension on the line of the uncut portion and out of the plane of the tongue to increase the effective length of the abbreviated tongue and provide sufficient material in the composite tongue for non-slipping winding engagement therewith of a slotted container opening key.

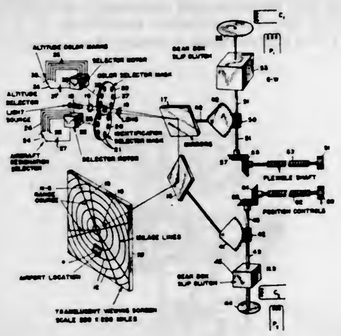
2,495,295
TEXTILE WASHER AND DRIER UTILIZING COMPRESSION WAVES
Fritz Spanier, Staten Island, N. Y.
Original application August 6, 1947, Serial No. 766,490. Divided and this application November 15, 1947, Serial No. 786,236
4 Claims. (Cl. 68—20)



1. In a device for washing and drying textiles, a container substantially open at the top adapted to hold fluid, there being a central opening in the bottom of said container surrounded by an annular depression, a diaphragm covering said central opening, a crystal transducer of a responsive frequency of substantially 60,000 cycles per second, said crystal being located directly below said diaphragm in position to vibrate said diaphragm and the fluid in the container by compression waves, a basket to hold said textiles, said basket being positioned directly above said diaphragm, and a pipe to introduce heated and compressed air into said container, said pipe being formed in a substantially flat coil located in said annular depression and outside of the vibrating area of said diaphragm, said pipe having spaced orifices therein.

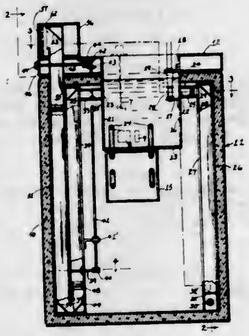
2,495,296
AIRWAY TRAFFIC INDICATOR
Earl W. Springer, Indianapolis, Ind.
Application November 5, 1947, Serial No. 784,208
13 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a traffic indicator, a screen, means for projecting a light ray upon the screen, a plurality of discs each intercepting the light ray at one edge, the discs being opaque but having transparent openings which may be aligned with the light ray, opaque designations in the openings which appear in the light projected upon the



screen, and stop motor means to position any opening of any disk in line with the light ray.

2,495,297
ELECTROPHORETIC LIQUID ANALYSIS APPARATUS HAVING A DIAPHRAGM AND CYLINDRICAL LENS IN THE OPTIC PATH
Kurt G. Stern, New York, N. Y.
Application April 3, 1947, Serial No. 739,178
14 Claims. (Cl. 88—14)

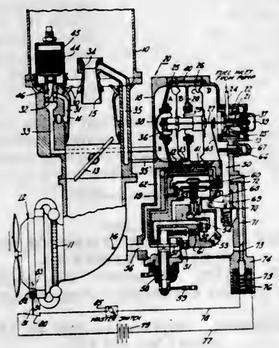


1. An apparatus for optically producing a curve showing the refractive index gradients in a liquid, comprising a chamber, means for maintaining said chamber at substantially zero relative humidity, radiation channelling means in said chamber defining an optic path having a connected axial plane, a line source of radiant energy in said chamber located in the axial plane of said optic path, means for supporting a column of liquid in said optic path with said axial plane intersecting the column transverse to the longitudinal axis thereof, means for projecting radiation from said source along said axial plane in the form of a relatively flat beam impinging transversely across said column, a diaphragm, means for supporting said diaphragm in the optic path and in the path of emergent radiation from said column, said diaphragm having a radiation-intercepting element which is angularly crossed with respect to said axial plane, and a cylindrical lens in the optic path and in the path of the radiation transmitted through said diaphragm, said cylindrical lens being oriented with its longitudinal axis at right angles to said axial plane, so as to amplify the deviation of the rays of the transmitted radiation caused by their passage through regions of the liquid column having refractive index gradients.

2,495,298
PROCESS FOR THE PREPARATION OF THROMBIN
Albert Szent-Gyorgyi, Woods Hole, Mass., and Kálmán Laki and Mihály Gerendás, Budapest, Hungary
No Drawing. Application November 5, 1947, Serial No. 784,308. In Hungary December 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 28, 1965
10 Claims. (Cl. 260—112)

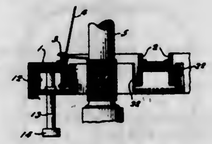
1. In a process for the preparation of thrombin from blood by separating from the blood prothrombin and converting the latter into thrombin, the step of carrying out the conversion of prothrombin into thrombin in a solution in the presence of a lipoid solvent selected from the group consisting of chloroform, bromoform and ethylalcohol, and a substance forming non-dissociable complex compounds with metal ions and selected from the group consistinfg of α, α′-dipyridyl and o-hydroxy quinoline sulfate.

2,495,299
CHARGE FORMING DEVICE
Henry G. Tarter, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 30, 1947, Serial No. 777,063
4 Claims. (Cl. 123—119)



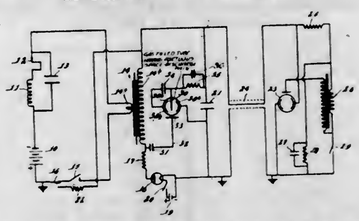
1. In a fuel supply system for an engine, a flow channel provided with a metering restriction, a fuel valve for regulating the metering head adapted to respond to differential pressures constituting a function of the flow of air and fuel to the engine, an idle orifice in series flow relationship with said restriction, an idle valve for controlling said orifice and arranged to meter idle fuel at low air flows, a conduit by-passing said orifice and valve, a valve controlling said conduit, and means for operating said latter valve.

2,495,300
LUBRICATION APPARATUS FOR TWISTER RINGS
Falls L. Thomason, Charlotte, N. C.
Application August 21, 1948, Serial No. 45,450
6 Claims. (Cl. 184—7)



1. Apparatus for lubricating the rings and travelers in a twister frame or the like comprising the combination with a ring rail of a tray positioned below the same, the tray having upwardly extending side and end flanges and guard flanges extending upwardly into the rings, the floor of the tray and the said flanges defining a well for holding a supply of lubricant for lubricating a plurality of rings.

2,495,301
VOLTAGE REGULATOR, PARTICULARLY FOR FLASH EQUIPMENT FOR PHOTOGRAPHY
Arthur M. Wengel, Blooming Grove, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application October 9, 1947, Serial No. 778,853
15 Claims. (Cl. 315—206)

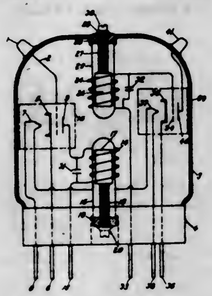


7. In flash illuminating apparatus having a flash lamp, a condenser for energizing the lamp, and voltage supply means for charging the condenser, voltage regulating means including: a discharge tube connected in shunt with said condenser, said tube having an anode and at least one cathode electrode therein; a capacitive connection between two electrodes of said tube; and means comprising a low value capacity connection between one of said electrodes and a point in said voltage supply means having a voltage differential with respect to one of said electrodes, for providing an ionizing effect on the gas within said tube.

2,495,302
VACUUM TUBE WITH BUILT-IN TUNED INDUCTANCE
Myron T. Wilde, Detroit, Mich.
Application February 3, 1945, Serial No. 576,097
1 Claim. (Cl. 315—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

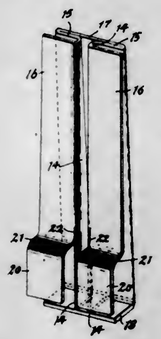
In an electron tube, a rigid envelope surrounding an evacuated hollow space, a plurality of tube elements comprising at least a cathode and an anode mounted on said envelope and within the hollow space, a hollow insulating tube sealed at one end, its open end sealed to said envelope

and its sealed end projecting therein, an inductor coil within said envelope and surrounding said insulating tube, a movable core within said tube adjustably positioned to control the in-



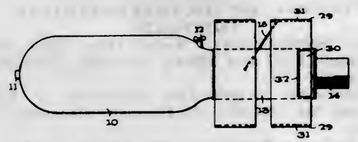
ductance of said coil, the position of said core being controllable from without said envelope and a thermal and electric shield positioned within said envelope between said tube elements and said circuit elements.

2,495,303
FITTING FOR CONNECTING SIDING MEMBERS
Edward J. Wisniewski, Buffalo, N. Y.
Application August 21, 1947, Serial No. 769,879
3 Claims. (Cl. 108—33)



1. A fitting for connecting the adjacent parts of building siding members or the like, comprising two channels of U-shape cross section each of which has a web and inner and outer flanges at opposite edges of the web and said channels having their closed rear sides facing inwardly and their open front sides facing outwardly and adapted to receive the opposing ends of two siding members, a bridge plate arranged along the outer side of the outer flanges of both channels and extending across the space between rear closed sides thereof and connected at its opposite edges with the front edges of the front flanges of both channels and retaining hooks formed integrally on the lower ends of the inner flanges of said channels and off-set inwardly therefrom and adapted to extend over the upper edge of a lower siding member which is arranged below and underlies the siding members which project into said channels.

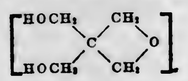
2,495,304
DIRIGIBLE BOMB
Ralph D. Wyckoff, Pittsburgh, Pa., James W. Fitzwilliam, Cambridge, Mass., and Dante Salvetti, Blawnox, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application May 31, 1946, Serial No. 673,372
11 Claims. (Cl. 102—3)



1. A dirigible missile comprising a war head, a unitary tail structure, a substantially cylindrical aerodynamic control surface fixedly mounted on said tail structure, radial supports which attach said control surface to the tail structure, aerodynamic steering surfaces operably mounted on the trailing edge of said cylindrical control surface, means contained in said tail structure operating one alternate pair of steering surfaces as rudders which place the missile into an attitude of yaw so that the associated control surface may produce forces deflecting the path of the missile, means contained in said tail structure operating the other alternate pair of steering surfaces as elevators which place the missile in an attitude of pitch so that the associated control surface may produce forces deflecting the path of the missile, a radio antenna mounted on said tail structure and connected to means contained in said tail structure receiving and transducing a radio signal, means contained in said tail structure controlling said rudder operating means and said elevator operating means in response to the character of the radio signal received, ailerons operably mounted on the trailing edge of said radial supports, means contained in said tail structure operating said ailerons in unison tending to axially rotate the missile, and gyroscopic means contained in said tail structure controlling said aileron operating means so that resulting aileron action maintains the missile's rotational orientation such that the rudder and elevator hinge axes lie in vertical and horizontal planes respectively.

2,495,305
ESTERS OF PENTAERYTHRITOL DEHYDRATION PRODUCTS
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Application July 10, 1946, Serial No. 682,595
8 Claims. (Cl. 106—252)

2. The esters of drying oil fatty acids with the dehydration product of pentaerythritol of composition represented by the type formula



in which x is an integral odd number within the range 1–7 and containing ether and alcohol groups in the ratio of 1 ether group to 2 alcohol groups.

2,495,306
HEAT-RESISTANT PAINT CONTAINING METHYL SILICONE RESIN, BORIC ACID, AND A LEAD COMPOUND
Paul Zurcher, Ponca City, Okla.
No Drawing. Application May 10, 1946, Serial No. 668,757
7 Claims. (Cl. 260—18)

1. A heat-resistant paint composition comprising:

	Per cent
Boric acid	5 to 50
A lead compound capable of reacting with boric acid at an elevated temperature to form a lead borate selected from the group consisting of lead oxides and lead carbonates	20 to 90
Methyl silicone resin	5 to 50

2,495,307
BREAST SHIELD
Milton Abramson, Minneapolis, Minn.
Application January 2, 1947, Serial No. 719,761
2 Claims. (Cl. 128—282)



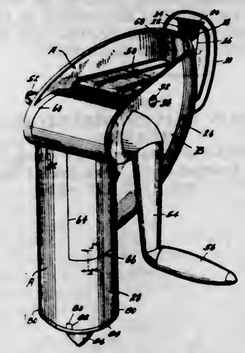
1. A breast shield for nursing mothers comprising a one-piece, cup-shaped substantially rigid imperforate member having a smooth inner surface formed to cover the nipple, areola and an adjacent portion of the breast, said member having a reduced forwardly extending central domed portion to loosely receive the nipple, an uninterrupted circumferential edge flange portion which extends outwardly away from and integral with the cup-shaped member to form a sealing flange which will engage and seal the shield directly to the breast, and said flange having a circular groove adjacent its periphery to form a suction chamber to assist in holding the shield in place.

2,495,308
GRIPPER-TYPE CORK EXTRACTOR
Joseph N. Amigone, Buffalo, N. Y.
Application June 15, 1948, Serial No. 33,051
6 Claims. (Cl. 81—3.44)



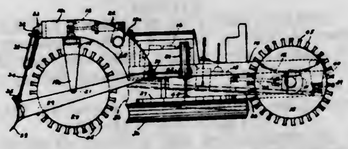
4. A stopper extractor comprising a pair of stopper grasping jaws curved and movably connected for grasping a stopper to remove it from a container, stopper embracing plates seating upon the inner curved faces of the jaw, and means securing the embracing plates to the jaws and constituting stopper embedding lugs projecting inwardly from the plates.

2,495,309
FOOD GRINDER HAVING A SPLIT CASING
Walter R. Amstutz, Chicago, Ill., assignor to Butler Brothers, Chicago, Ill., a corporation of Illinois
Application December 13, 1946, Serial No. 715,923
4 Claims. (Cl. 146—192)



1. In a food chopper, a casing having a feed screw portion, a feed screw therein and arranged on a vertical axis, a crank shaft arranged on a horizontal axis, step-down bevel gearing for operatively connecting said crank shaft to said feed screw, a stationary cutter plate at the lower end of said feed screw, a rotary cutter plate coacting therewith and mounted on the lower end of said feed screw, said casing having a feed chute portion located at the side of said feed screw portion, said casing being formed in two parts with a parting line between the parts, and means for retaining said parts together at one point, comprising a retainer nut on said crank shaft, and for retaining said parts together at another point, comprising a mounting lug on each casing half adapted to be confined in a socket of a mounting bracket.

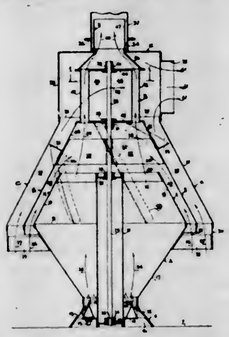
2,495,310
COMPACTION GRADER
Raymond Q. Armington, Shaker Heights, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application October 22, 1945, Serial No. 623,681
2 Claims. (Cl. 37—146)



2. A spreading, compacting and grading device comprising a vehicle having a frame, roller means at the front end adapted to act as a single steerable unit and two rollers at the rear end of said vehicle supporting the same for travel over

a surface, said rear rollers being spaced apart laterally and said front roller means being in staggered lateral relation with said two rear rollers, whereby the rollers at the rear end of said vehicle compact the surface missed by said roller means at the front end of said vehicle, means for driving said rear rollers, means for steering said front roller means, all of said rollers and roller means having soil compacting projections on their outer surfaces, a bulldozer blade carried by said vehicle and adapted to engage the ground ahead of said front roller means, a grading blade carried by said vehicle and adapted to engage the ground between said front roller means and said rear rollers, means for varying the height of said bulldozer blade relative to the ground, and means for varying the height of said grading blade relative to the ground and for tilting the same relative to the horizontal.

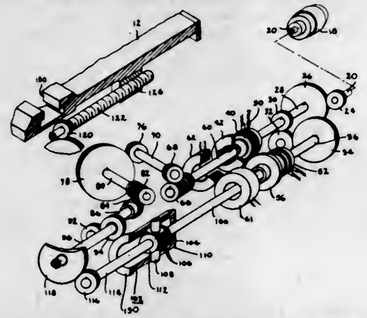
2,495,311
CONVECTION DRIVEN FORCED FLOW AIR HEATER
Richard Carroll Beaver, Inglewood, Calif.
Application December 19, 1944, Serial No. 568,888
6 Claims. (Cl. 126—110)



1. An air heater comprising an inner casing forming a combustion chamber, an outer casing arranged to provide an annular space around said combustion chamber, an intermediate casing forming a rotor adapted to rotate in said annular space and form an inner and an outer annular space, said rotor having inwardly extending vanes arranged to be propelled by convection air currents from said combustion chamber for driving said rotor, and outwardly extending fins spirally arranged thereon for forcing air upwardly through said outer annular space upon rotation of said rotor by said convection air currents.

2,495,312
POWER UNIT FOR MACHINE TOOLS
Clifford A. Bickel, Stanley A. Brandenburg, and Theodore Foster, Sidney, Ohio, assignors to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio
Application January 5, 1945, Serial No. 571,530
17 Claims. (Cl. 77—32)

1. In combination with a source of power and a member to be driven, a first means for driving said member from said source of power, a second means for driving said member from said source of power, electrical means for selectively rendering said driving means effective or ineffective and a control circuit for controlling said electrical means and adapted automatically in response to predetermined movements of said driven member for bringing about the actuation of said electrical

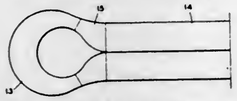


means, said first means including a variable speed transmission connected between said source of power and said driven member for adjusting the speed of the latter.

2,495,313
CONDENSATION OF ACROLEIN WITH MONOHYDRIC SATURATED ALIPHATIC ALCOHOLS
Joseph E. Bludworth and Ronald E. Meyer, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 23, 1944, Serial No. 555,582
4 Claims. (Cl. 260—615)

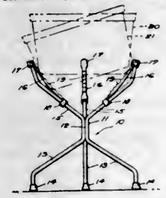
1. In a process for the condensation of acrolein with a monohydric saturated aliphatic alcohol in an alkaline reaction medium, the steps which comprise incorporating an acrolein polymerization inhibitor in the reaction mixture and effecting the condensation in an oxygen-free gaseous atmosphere.

2,495,314
BOURDON SPRING AND LOAD ELEMENT
William I. Caldwell, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application July 16, 1947, Serial No. 761,284
4 Claims. (Cl. 73—418)



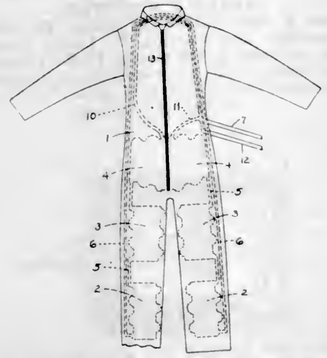
2. A hollow element which changes its volume in response to the resultant or difference between pressures applied to its inner and outer surfaces, the wall of said element being continuous and in cross section comprising opposed central portions having their inner surfaces close together, said wall also comprising marginal portions merging with said central portions through transition portions, each marginal portion at its thickest part being substantially as thick as a central portion and progressively decreasing in thickness to its regions of merger with said transition portions whereby each marginal portion is essentially a beam of uniform strength, each marginal portion also defining an internal passageway generally circular in cross section, and a wire contained in each passageway substantially filling the same.

2,495,315
DISPLAY PEDESTAL
George E. Carr, Monongahela, Pa.; Verda Carr, administratrix of said George E. Carr, deceased, assignor to Verda V. Carr, Princeton, W. Va.
Application August 7, 1946, Serial No. 688,924
1 Claim. (Cl. 248—146)



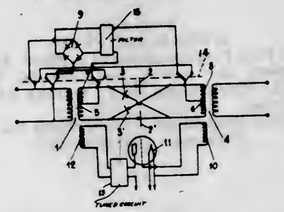
In a display device, a base including a plurality of arms, resilient straps, means for securing said straps to said arms, said straps having ridges engageable with a container for support thereof, said securing means including a cap formed at one end of each strap and attached to the free end of one of said arms and a collar formed on each strap and attached to said arms.

2,495,316
GARMENT OR ATTACHMENT FOR CONTROLLING THE DISTRIBUTION, PRESSURE, AND CIRCULATION OF BODY FLUIDS
David M. Clark, Worcester, Mass., and Earl H. Wood, Rochester, Minn.; said Wood assignor to said Clark
Application September 14, 1946, Serial No. 697,118
7 Claims. (Cl. 128—1)



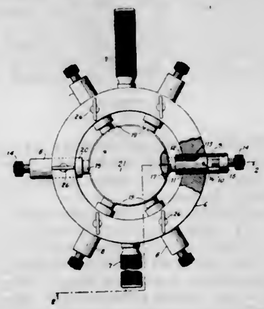
1. A garment comprising, a body-encircling section, two independent leg-encircling sections attached to an depending from said body section, a plurality of bladders incorporated with and spaced longitudinally of each of said leg sections with each bladder disposed transversely of such section, a plurality of short tubes connecting the bladders of each leg section in a series relation, a bladder incorporated with said body section, a pair of tubes each connecting said last mentioned bladder with that bladder of a respective one of the leg section bladder groups which is nearest the body bladder, a pair of fluid-supply tubes each of which is connected to that bladder of a respective one of the leg section bladder groups which is farthest removed from said body bladder, and means to connect said two last mentioned tubes to a fluid supply source.

2,495,317
HARMONICS GENERATOR
Lucien Dorbec, Paris, France, assignor to Societe Anonyme de Telecommunications, Paris, France, a body corporate of France
Application May 21, 1946, Serial No. 671,187
In France August 6, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 6, 1962
4 Claims. (Cl. 250—36)



2. Harmonics generator enabling the odd harmonics and the complete series of successive harmonics of a fundamental frequency to be obtained, comprising a modulator constituted by a balanced bridge circuit, the four branches whereof each contain a rectifier, a source of fundamental frequency, an input transformer the primary of which is connected to said source whereas the secondary is connected to the apices of one of the bridge diagonals, an output transformer the primary of which is connected to the apices of the second bridge diagonal, whilst the mid-points of the secondary of the input transformer and of the primary of the output transformer are connected to the source of fundamental frequency, a frequency doubling device inserted between the source of fundamental frequency and the mid-points of the secondary winding of the input transformer, and of the primary winding of the output transformer, means for by-passing said frequency doubling device and a positive feed-back circuit for coupling the primary of the output transformed to the secondary of the input transformer.

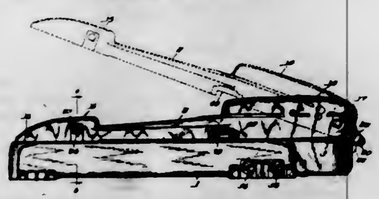
2,495,318
RETHREADER
Eugene E. Dyson and William H. McCormick, New Britain, Conn.
Application November 10, 1944, Serial No. 562,862
2 Claims. (Cl. 10—121)



1. A rethreading tool comprising a body having an opening therein adapted to receive a member to be threaded, a single rethreading die

extending radially from said body into said opening for the purpose of rethreading a mutilated thread on said member, and a plurality of radial supports carried by said body and formed of relatively soft metal adapted to engage the surface of said member and having the threads of said member cut threads therein and carry the said rethreading die in adjusted position relatively to the thread on said member.

2,495,319
HYDRAULIC PUMP
William Paul Ferris and Nevin J. Blum, York, Pa., assignors, by mesne assignments, to Karl Wihtol, Middletown, N. J., trading as Wihtol Industries
Application September 7, 1946, Serial No. 695,484
7 Claims. (Cl. 103—11)



1. In a hydraulic pump, an elongated and relatively narrow body having side and end walls, a pump bed in a portion of the body, a reservoir in the body juxtaposed with relation to said pump bed and communicable therewith, the upper side of said reservoir being open, a cover plate engaged over the open side of the reservoir, keeper means on a portion of said cover plate, a combined cover and operating lever of shape and size substantially corresponding to the configuration of said body swingably mounted on the body connected to pumping means received by said bed, said combined cover and lever being engageable, at times, over the reservoir and bed in the body, the opposite end portions of said combined cover and lever having domed portions formed therein, one engageable over the pump bed of the body and the other engageable over a portion of the cover plate and keeper means thereon when said combined cover and lever are engaged over the reservoir and bed in said body, means on one of the domed portions of the combined cover and lever releasably engaging the keeper means on the cover plate for locking the combined cover and lever to the body, and other means engaging the combined cover and lever for normally imparting the outward and upward swinging movement to the same with relation to said body upon disengagement from said keeper means.

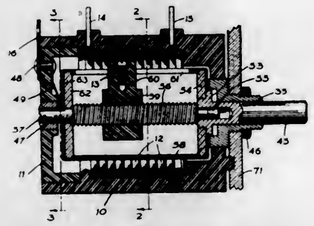
2,495,320
LUMINAIRE FOR SURGICAL LIGHTING
Kurt Franck, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application March 27, 1948, Serial No. 17,492
17 Claims. (Cl. 240—106.1)

1. A multiple unit lighting system for building up high intensities of both horizontal and vertical illumination in a work region of substantial horizontal and vertical dimension, comprising a plurality of luminaires mounted above the work region and angularly displaced from a vertical axis through its center at angles not less than substantially 15° and not greater than substantially 35°, the luminaires each comprising a horizontal, square, two-component refractor, a point light source above the refractor, and a specular concentric reflector above the source, the refractors being at a common level and with their edges in parallel and right angular relationship with one another, the light sources being offset from the centers of the corresponding refractors so that the refractors intercept an oblique pyramid of light leaning rearwardly from said vertical axis, the first components of the refractors



having light concentrating prisms and on opposite sides of a vertical plane at right angles to the direction of offset being transversely asymmetric with the front and side regions receiving more oblique direct light than the rear regions and being of less refracting power than the rear regions; the second components of the refractors being symmetric about the center of the forward edges of the second components and having concentric prisms of refracting power to reduce the divergence to substantially zero and bend the rays forwardly.

2,495,321
VARIABLE RESISTOR
Thomas B. Gibbs, Delavan, George W. Gilman, Janesville, and Gordon F. Laing, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application January 20, 1945, Serial No. 573,680
12 Claims. (Cl. 201—56)

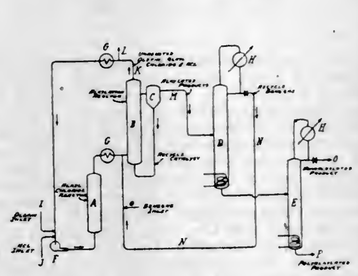


1. In a variable resistor, a cylindrical casing, a core formed into a multi-turn helix and fixed inside said casing, said core having a resistance wire helically wound thereon, an operating shaft having a bearing in one end of said casing, a threaded shaft fixed to the other end of said casing and extending into the casing in axial alignment with said first shaft, a bearing connecting said shafts whereby the said first shaft supports the adjacent end of said threaded shaft, a traveling nut carried on said threaded shaft, a contact supported on said nut and engaging said resistance wire, and an operating member for rotating said nut, said operating member being fixed to said operating shaft and having a bearing on said threaded shaft adjacent the fixed end thereof.

2,495,322
PROCESS OF PRODUCING METAL NITRODITHIOACETATES
Everett E. Gilbert, New York, and Harold Weinberger, Brooklyn, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application October 26, 1946, Serial No. 706,048
5 Claims. (Cl. 260—429)

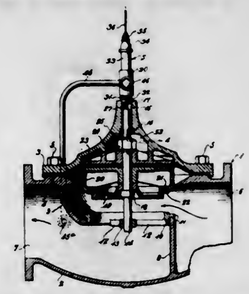
1. A process for producing metal nitrodithioacetates, said metal being from the group consisting of copper and zinc and said nitrodithioacetates being from the group consisting of nitrodithioacetate, nitromethyldithioacetate, nitrodimethyldithioacetate and nitroethyldithioacetate, which process comprises mixing a nitrohydrocarbon of the group consisting of nitromethane, nitroethane, 1-nitropropane and 2-nitropropane with carbon disulfide in an aliphatic alcohol containing not more than 3 carbon atoms, reacting the resultant mixture with potassium hydroxide in an aqueous medium and adding directly to the reaction mixture a water soluble salt of said metal to precipitate the desired metal salt.

2,495,323
ALKYLATION PROCESS
André Gislon, Paris, France, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France
Application June 12, 1946, Serial No. 676,339
In France November 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1962
2 Claims. (Cl. 260—671)



1. A process for alkylating a mono-cyclic aromatic hydrocarbon with an olefin which comprises the steps of feeding an olefin and hydrochloric acid gas to a first reaction zone containing a metal chloride catalyst, causing said olefin to be only partially converted into an alkyl chloride in said first reaction zone to produce a mixture containing substantial amounts of both said olefin and said alkyl chloride, passing the resulting unseparated mixture of olefin, alkyl chloride and hydrochloric acid gas to a second reaction zone, bringing a mono-cyclic aromatic hydrocarbon into contact with said mixture in said second reaction zone in the presence of a Friedel and Crafts catalyst to cause said aromatic compound to be alkylated by said alkyl chloride and at least a portion of the olefin in said mixture, recycling unreacted olefin and hydrochloric acid gas from said second reaction zone to said first reaction zone, and withdrawing from said second zone a reaction product containing said alkylated aromatic compounds.

2,495,324
FLUID PRESSURE OPERATED VALVE
Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application August 2, 1943, Serial No. 497,074
22 Claims. (Cl. 137—153)



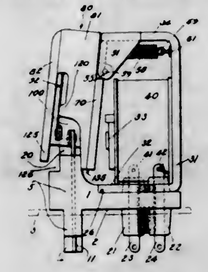
5. A speed control attachment for use with pressure fluid operated valves, comprising: a cross-fitting having upper and lower vertical openings and a pair of horizontal openings; a pipe nipple mounted in the upper of said vertical openings; a cap member mounted upon the upper end of said pipe nipple; and means recirocable in said cross-fitting and pipe nipple including a rod and a cylindrical member on said rod, said cylindrical member being adapted to be moved into flow obstructing position relative to said horizontal ports as said rod is moved downwardly.

19. A valve comprising: a body having inlet and outlet chambers; a cover member having a central hollow boss; a diaphragm between said body and cover member and carrying a valve member arranged to control the flow of fluid from said inlet to said outlet chamber, said diaphragm cooperating with said cover to provide a pressure chamber for operating fluid above said diaphragm; a valve stem connected to said diaphragm for movement therewith, said valve stem extending across said pressure chamber into said hollow boss; means in said hollow boss serving as a guide for said valve stem, said hollow boss having a passage means for by-passing fluid around said guide means into said pressure chamber; and means for controlling the speed of operation of said valve member including means for supplying operating fluid to said hollow boss, and flow regulating means movable downwardly with said valve stem arranged to restrict the volume of fluid flowing to said pressure chamber as said valve stem moves downwardly, whereby said valve member will start to close at a rapid rate and final closing will occur at a relatively slow rate.

2,495,325
ELECTROMAGNETIC RELAY
James C. Hamilton, Lexington, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 22, 1944, Serial No. 569,368
6 Claims. (Cl. 200—104)

2. In an electromagnetic relay of the type having a magnetic core structure, a coil associated with the core structure, and an armature structure movably secured to the core structure and including a magnetic armature member, the combination of an insulating base block which is fastened to said core structure and which contains

rigidly fastened thereto two sets of substantially stationary and rigid contact bars, with an armature block including an insulating base plate secured on one side to said magnetic armature member, a cover plate secured to the other side of said base plate, and two resilient contact means free from external electrical connections and each arranged to bridge at least two of said contact



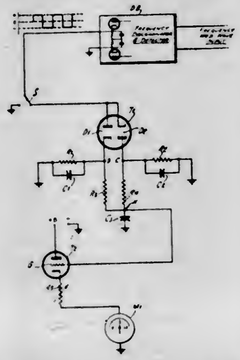
bars and secured between said base plate and said cover plate, one of said plates having a groove between said resilient contact means and the other plate having a barrier extending into said groove and between said contact means and said contact bar sets, and said base plate and said cover plate extending over said contact means and said sets, thereby separating said two sets and their corresponding contact means.

2,495,326

TUNING INDICATOR AND TUNING CONTROL

Grant E. Hansell, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 5, 1945, Serial No. 632,979
11 Claims. (Cl. 250—40)



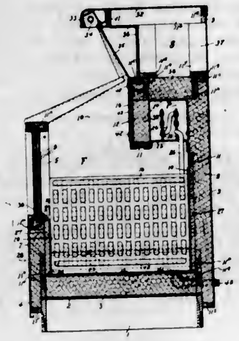
1. In apparatus for producing a low frequency potential which varies above and below zero potential when the center frequency of frequency shifted current varies in combination, a discriminator and detector with a load impedance excited by said frequency shifted current for deriving direct current potentials which vary relative to and about zero potential in a manner corresponding to variations in the center frequency of said currents, two rectifiers having electrodes connected to said impedance by direct current connections and excited in opposed polarity by said direct current potentials, a load impedance connected in series with the output electrodes of each rectifier, additional impedances conductively connected to the load impedances for deriving the algebraic sum of the potentials developed across said load impedances, and capacitors in shunt to said load impedances for suppressing current components of a frequency higher than said low frequency.

2,495,327

OPEN TYPE DISPLAY REFRIGERATOR

Hubert Hardin, San Antonio, Tex., assignor to Ed Friedrich, Inc., San Antonio, Tex., a corporation of Texas

Application January 10, 1947, Serial No. 721,402
1 Claim. (Cl. 62—89.6)



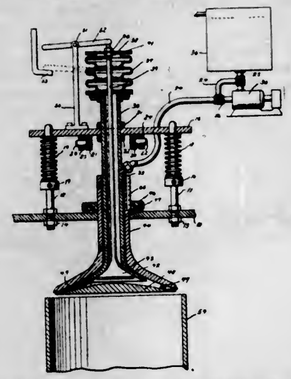
In an open-type display refrigerator; a case including a front wall in the upper portion of which is a window, a back wall extending to a substantially higher level than said front wall and its window, a horizontal canopy top extending forwardly from said back wall at the top thereof, side walls connecting said front and back walls, a horizontal bottom at a level substantially below the level of the bottom of the window, an insulation partition extending horizontally-forwardly from said back wall at a level substantially below said canopy top and above the level of the top of the window, said insulating partition extending forwardly from said back wall a substantially lesser distance than the canopy top, an insulation wall extending vertically downward from the front end of said horizontally disposed insulation partition to a level below that of the top of the front wall window to provide a space between the back wall and said vertically downwardly extending insulation wall, said space being open only at the bottom, a metallic lining for said space; a combined cooling and food receptacle unit within said case below said space and including horizontally spaced vertical cooling plate coils the tops of which extend above the bottom level of the window and terminate a substantial distance below said space; and an auxiliary cooling plate unit located in said space and operatively connected to said first mentioned unit, said plate coil unit comprising two operatively connected parallel plate coils disposed in vertical position in said space; an inclined member connecting the front ends of said horizontally-forwardly extending insulation partition with said canopy top adjacent its front end; there being a space above said canopy top and the last named partition.

2,495,328

ADHESIVE APPLICATOR

John Kearsley M. Harrison, Gainesville, Va.

Application November 5, 1948, Serial No. 58,383
9 Claims. (Cl. 91—12)



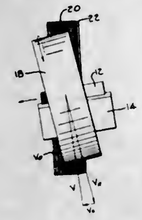
1. Apparatus for applying a band of adhesive to the interior of a container which comprises a hollow supporting tube, a rotary centrifugal adhesive distributor mounted thereover, means for introducing adhesive under pressure into said supporting tube, valve means controlling flow from said tube to said distributor, and valve-operating means including a driven portion within the tube, a driving portion without the tube and an intermediate bellows establishing a driving connection between the driven portion and the driving portion and sealing the tube against undesired out-leakage of adhesive.

2,495,329

METHOD OF GRINDING SCREW THREADS

Cecil W. Hopkins, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Application June 18, 1945, Serial No. 600,147
4 Claims. (Cl. 51—288)



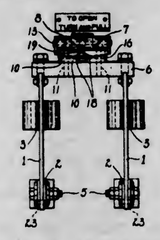
1. The method of accurately grinding screw threads, of predetermined lead on workpieces in a centerless grinding machine having a grinding wheel with annular ridges thereon, a control wheel peripherally opposed to said grinding wheel and spaced therefrom to form a grinding throat, and a work rest for supporting the workpiece for movement between the opposed portions of said wheels; which consists in arranging the axes of said wheels in substantially parallel planes, with the axis of the grinding wheel inclined in one direction with respect to the work rest at an angle thereto substantially equal to the helix angle of the thread and with the axis of the control wheel inclined in the opposite direction with respect to the work rest at the angle made by the helix of the thread at the outer diameter of the work piece with a plane perpendicular to the axis of the work piece, and with the peripheral faces of said wheels spaced from each other to provide a grinding throat, supporting a workpiece on the work rest with its axis substantially parallel with the top thereof, and simultaneously rotating and moving the work piece endwise in the grinding throat in predetermined timed relation to the rotation thereof for at least a sufficient distance to form the thread solely by the driving and controlling effect of the grinding and control wheels operating through their frictional contact with the work piece.

2,495,330

LATCHING MECHANISM FOR ELECTRIC SWITCHES

Theodore B. Jochem, Edwin W. Seeger, and Palmer T. Severson, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application January 17, 1945, Serial No. 573,182
4 Claims. (Cl. 200—169)



2. A shock-proof knife switch comprising a blade element pivoted at one end, a latch pivotally mounted upon the free end of said blade element, a stationary catch to be engaged by said latch for locking of said blade element when the same is moved into circuit closing position, a front operating handle mounted upon the free end of said blade element for movement therewith, said handle being pivoted upon said blade element to permit rotative movement thereof in a plane at right angles to the direction in which the same is moved for operation of said blade element, and a cam associated with said operating handle for releasing said latch upon rotative movement of said handle, said handle and said latch being statically balanced upon their associated pivots to insure against release of said latch from said catch under the action of accelerating forces caused by shock.

2,495,331

ENDLESS TRACK WITHOUT ARTICULATIONS FOR UNIVERSAL VEHICLES

Adolphe Kégresse, deceased, late of Paris, France, by Adolphe Valentin Kégresse, administrator, Paris, France

Application February 6, 1946, Serial No. 645,891
In France February 6, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 6, 1962
7 Claims. (Cl. 305—10)

5. In a metallic endless track for motor vehicles, separate shoes in form of a chevron, fitted one with the other, furnished with transversal housings on the one hand at their top, and, on the other hand, at their base, and transversal

flexible blades fixed in the housing of the top of one shoe, and in the housings of the base of the following shoe, the top and base bearing surfaces for each blade in the respective housings of two



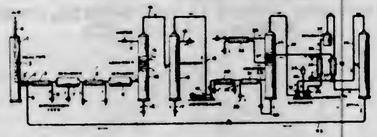
consecutive shoes being oppositely inclined relatively to the plane of the blade in order to allow of the blade being placed under stress, when the endless track is rectilinear.

2,495,332

OXIDATION OF HYDROCARBONS

Meinhard H. Kotzebue, Houston, Tex., assignor to Celanese Corporation of America, a corporation of Delaware

Application October 16, 1947, Serial No. 780,137
10 Claims. (Cl. 260—451)



8. Process for the partial oxidation of hydrocarbons in the vapor phase at elevated temperature and pressure to form oxygenated organic compounds, which comprises subjecting the hydrocarbons to an initial partial oxidation in a reaction zone with oxygen containing an inert gaseous diluent at a temperature of 600 to 900° F., subjecting the gaseous reaction mixture obtained to further oxidation with added oxygen free of any inert diluent, said further oxidation producing a temperature of 900 to 1200° F. whereby both a partial cracking of unreacted hydrocarbons present and the formation of additional oxygenated organic compounds is effected, separating the oxygenated organic compounds from the reaction gases, separating the unreacted light hydrocarbons from the inert gaseous diluent present by absorption under pressure with the aid of a liquid solvent, expanding the unabsorbed inert gaseous diluent to lower the temperature of the same and simultaneously to compress air, cooling and liquefying the compressed air with the aid of the cooled, expanded inert gaseous diluent, separating the oxygen from the liquefied air and cycling it to the oxidation reaction zone to effect further oxidation of the partially oxidized hydrocarbon mixture, and cycling the cooled nitrogen separated from the liquefied air to supply necessary refrigeration to the reaction system.

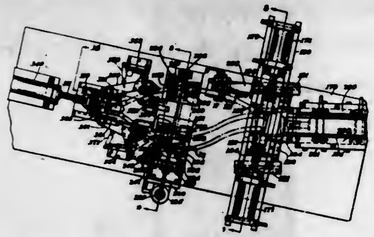
2,495,333

METHOD OF MANUFACTURING TUBULAR FRAME STRUCTURES

Herman L. Kraeft, Cleveland Heights, Leonard J. Walters, Shaker Heights, and Rudolph F. Skerl, Euclid, Ohio, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Original application August 18, 1945, Serial No. 611,286. Divided and this application May 31, 1946, Serial No. 673,690
8 Claims. (Cl. 29—176)

2. The method of manufacturing bicycle frames formed of large and small diameter tubular elements having the ends thereof press fitted into bores formed in the large tube walls which comprises effecting four pre-assemblies consisting of a large head tube and front reach bar tubes of smaller diameter, a large hanger housing tube and smaller center mast tube and a center mast tube cluster and the two pairs of small rear fork tubes and rear axle plates, supporting the second named sub-assembly, movably supporting the other sub-assemblies and forcing the free ends of the small tubes of the other sub-assemblies into openings formed in the center mast tube cluster



and the hanger housing tube while gauging the opposite pre-assembled ends of the small tubes and during which intermediate portions of some of the movably supported tubes are subjected to a traveling transverse action coincident with the movement of the tubes whereby the final assembly of the various frame elements are preliminarily and sufficiently fastened together at the various joints of the frame structure to remain in such assembled relationship during a subsequent metal expanding and contracting period incident to a simultaneous copper brazing of all the frame joints.

2,495,334

METHOD OF REFINING SUGAR SOLUTIONS

William A. La Lande, Jr., Upper Darby, Pa., assignor to Porocel Corporation, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application March 29, 1941, Serial No. 385,858
12 Claims. (Cl. 127—55)

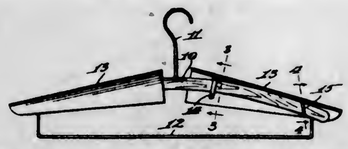
1. The method of treating a sugar solution that has been decolorized with active chlorine, which comprises contacting the solution at an elevated temperature and so containing returned color with a thermally activated bauxite.

2,495,335

GARMENT HANGER

Elizabeth L. Lee and Thomas P. Lee, Los Angeles, Calif.

Application December 9, 1946, Serial No. 715,000
1 Claim. (Cl. 223—92)



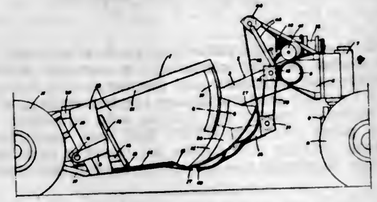
The combination with a garment hanger curved arm, of inverted channel shaped members mounted on said arm, a transversely disposed upturned arm engaging hook depending from each member a short distance inwardly from the inner end thereof, a pair of arm engaging fingers depending from the outer end portion of each member which fingers are spaced apart so as to snugly receive said curved arm and an integral prong depending from each member between the fingers thereof for engagement in said arm.

2,495,336

EARTHWORKING SCRAPER

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

Application April 27, 1946, Serial No. 665,578
8 Claims. (Cl. 37—129)



7. In a scraper which includes a bowl, wheels supporting the bowl adjacent its rear end, a draft yoke straddling the bowl from the front, said yoke including a cross beam at the front, means pivoting the legs of the yoke in connection with the bowl to the rear of its forward end for vertical adjustment of said bowl, a vertically adjustable apron mounted on the bowl in cooperative relation to the initially open forward end of the same, and means adapted to couple a tractor to the yoke cross beam in draft relation; a pair of reversible power winch units mounted in connection with a substantially central portion of said yoke cross beam, the tractor coupling means being relatively closely disposed to said winch units, a lift cable system connected between one winch unit and the bowl, and another lift cable system connected between the other winch unit and the apron.

2,495,337

INTERMEDIATE FRICTION LAYER FOR JOINING TWO OR MORE STRUCTURAL PARTS OF WOOD OR LIKE MATERIAL

Birger Lindham, Stockholm, Sweden

Application August 12, 1944, Serial No. 549,266
In Sweden October 27, 1943
2 Claims. (Cl. 85—14)



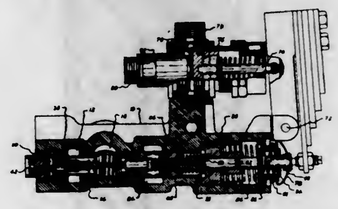
1. An intermediate friction strip for joining structural parts of wood comprising a metal body formed with transverse corrugations, a plurality of sharp projections projecting in opposite directions from both longitudinal edges of said body and alternately deep and shallow recesses between said projections at both longitudinal edges of said body, the inner edges of the deep recesses forming shoulders acting to limit the introduction of the friction strip into the structural parts to a determined depth, said deep recesses extending substantially to the longitudinal symmetric line of said strip and the shallow recesses being spaced from said line.

2,495,338

REGULATOR VALVE

Erwin F. Loweke, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

Application August 31, 1946, Serial No. 694,381
2 Claims. (Cl. 303—54)



1. A power brake valve comprising a main valve body, a plurality of coaxial chambers, including a pressure inlet chamber, a pressure outlet chamber, a pressure exhaust chamber, and a pressure regulating and displacement chamber, a first movable valve part located between said pressure inlet and pressure outlet chambers, a second movable valve part between said pressure outlet chamber and said pressure exhaust chamber, said movable valve parts being in co-axial alignment, a choke extending coaxially through said second movable valve part and placing said regulating and displacement chamber in restricted isolation from said pressure outlet chamber, movable means having an operative connection with said movable valve parts, displacement means in said regulating and displacement chamber actuated by the restricted flow of fluid pressure through said choke to delay the pressure build-up in said regulating and displacement chamber, said displacement means being constructed and arranged to have an initial movement to increase the volume of said regulating and displacement chamber independently of said movable means, and an operative connection between said movable means and said displacement means effective following said initial movement.

2,495,339

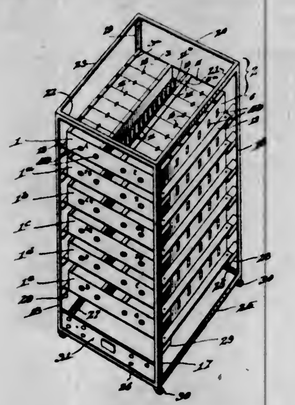
SUPPORTING STRUCTURE FOR ELECTRICAL UNITS

Jerome Markowitz, Allentown, Pa., assignor to Allen Organ Company, Inc., Allentown, Pa., a corporation of Pennsylvania

Application July 17, 1946, Serial No. 684,313
4 Claims. (Cl. 84—1.01)

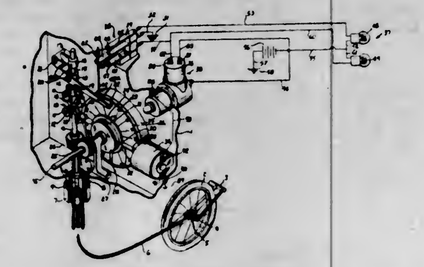
1. A supporting structure for a multiplicity of electrical musical tone-producing units that are individually operable by the keys of a musical instrument keyboard; comprising a vertical frame having mounted thereon in superimposed horizontal relation a plurality of elongated casings each adapted to have associated therewith in predetermined longitudinal order a plurality of separate electrical musical tone-producing units each of which includes at least one space discharge device; sockets for the space discharge devices associated with each casing and arranged in lengthwise spaced order along each casing; and surface portions on each casing having a visual system of identifying marks arranged to designate the musical tone produced by each

respective musical tone-producing unit, the location of the unit relative to the casing, and the



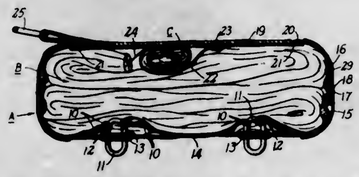
location of the space discharge device cooperatively associated with the unit.

2,495,340
STOP METER
Arthur N. Milster, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 14, 1945, Serial No. 582,712
13 Claims. (Cl. 73—128)



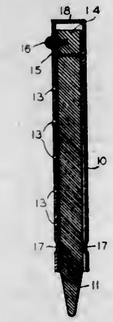
2. A stopmeter for a vehicle comprising a trailer; a chart support on said trailer; a chart in said support; means to actuate said chart support; a clutch to connect said means with said chart support; a solenoid to control said clutch; a speed responsive device driven from said means; means operatively associated with said speed responsive device engageable with said chart to mark same; a signal to inform the operator of the speed condition of the vehicles; a circuit for said signal; a switch operated by said speed responsive device in said circuit to control said signal; an inertia switch; a circuit for said solenoid including said inertia switch; and means associated with said inertia switch controlled by said speed responsive device to permit operation of said inertia switch upon deceleration of the vehicle to enable movement to be initiated in said chart to thereby record the speed variation and stopping distance of the vehicle.

2,495,341
PORTABLE PARACHUTE ASSEMBLY
Harold J. Moran, Trenton, N. J., assignor to Switlik Parachute Company, Inc., Trenton, N. J., a corporation of New Jersey
Application October 29, 1947, Serial No. 782,725
12 Claims. (Cl. 244—148)



1. In a portable parachute pack, a hermetically sealed flexible container, a canopy packed within said container and having means extending through said container for connection with a harness, means for sealing said container at the point through which said last mentioned means extends and means for opening said container to permit the canopy to deploy therefrom.

2,495,342
CRAYON HOLDER
George W. Moore, New York, N. Y.
Application May 28, 1948, Serial No. 29,850
1 Claim. (Cl. 120—13)

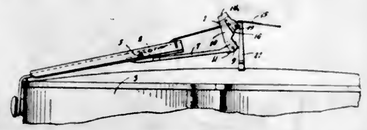


A device of the character described comprising a single tubular element adapted to reciprocably contain a crayon; a closed longitudinal slot disposed in the wall of said tubular element; oblique notches in parallel spaced relation having their lower ends in communication with said slot; a plunger reciprocably mounted within said tubular element and adapted to protrude said crayon by abutment with the upper end surface only, means carried by said plunger adapted to locate said plunger against upward displacement by engagement within any one of said notches, said tubular element being provided with inwardly extending projections to retain a crayon within said element.

2,495,343
MUTE FOR STRING INSTRUMENTS
Stanley Ohab, New York, N. Y.
Application February 26, 1946, Serial No. 650,271
3 Claims. (Cl. 84—311)

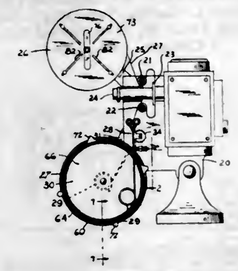
1. A mute for a stringed instrument having a saddle extending towards a bridge and strings

connected to the saddle and extending over the upper edge of the bridge, said mute comprising an arm hingedly connected to the under side of the saddle and extending towards the bridge, spring means for normally urging said arm downwardly away from the strings, a mute hingedly connected



to the outer end of the arm, said mute having longitudinal openings therethrough and through which certain of the said strings pass, the under side of said mute being provided with a transverse bridge edge receiving slot, said means for urging the arm downwardly also forming means for holding the bridge edge in the slot.

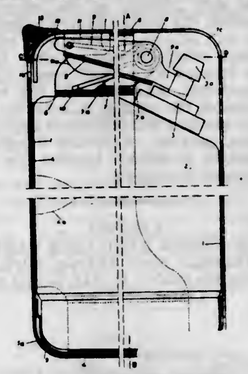
2,495,344
FILM WINDING APPARATUS
Joseph F. Proch, Chicago, Ill.
Application July 6, 1948, Serial No. 37,197
11 Claims. (Cl. 88—18.7)



1. A motion picture projector comprising: a first shaft, a storage reel on said shaft, a film gate, sprocket drive means for drawing film through said film gate, a second shaft, a take-up drum having a deep flange thereon, said drum freely rotatable on said second shaft, a split liner concentric with said flange and extending outwardly therefrom, a film guide guiding said film from said drive means into said drum, means for securing the leading end of said film adjacent said liner of said drum, mechanism for feeding said film through said film guide to impinge on said liner and turn said drum, whereby said film is rewound in said drum with the leading end outermost, means for displacing said film guide to accommodate the increasing number of layers of film as said drum rotates, and other means for spring-loading said film guide to oppose displacement thereof.

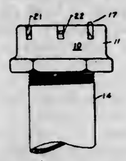
2,495,345
POCKET GAS LIGHTER
Marcel Quercia, Paris, and Georges Ferdinand, Nogent-sur-Marne, France
Application May 1, 1948, Serial No. 24,617
6 Claims. (Cl. 67—7.1)

1. A pyrophoric lighter for use with a liquified gas, comprising in combination, a detachable gas tank; a device mounted on said tank for releasing and igniting the gas; a sheath partially enclosing said tank; means mounted on said sheath for controlling said gas-releasing device; a casing arranged to envelop said sheath enclosing said tank and carrying said controlling means; and a



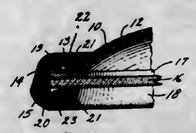
detachable flint-holding device engaging said sheath and engaging said casing and forming a locking means for holding said sheath and said casing in position.

2,495,346
SPRINKLER HEAD
Charles H. Ramsdell, Portland, Oreg.
Application April 6, 1946, Serial No. 660,207
3 Claims. (Cl. 299—141)



1. A sprinkler head comprising a recessed body member, a plurality of radially spaced slots in the outer edge of said body member formed by the junction of the side and end thereof, said slots having sloping bottom walls, openings defining jet orifices extending through said body member to the bottom of said slots, the longitudinal axis of each of said openings being substantially in line with the edge of said body member.

2,495,347
MIRROR CONSTRUCTION HAVING A RESILIENT SECURING BAND
Oliver C. Ritz-Woller, Dallas, Tex.
Application July 22, 1947, Serial No. 762,682
3 Claims. (Cl. 88—96)



1. In a mirror construction comprising a casing having front and rear face portions thereon, a mirror positioned across the front face portion of the casing, flange means carried by the outer marginal portion of the casing and having portions extending in both directions beyond the re-

spective face portions, and a resilient band embracing the marginal portions of said casing and mirror, said band having inwardly facing grooves adapted to grip opposite edges of said flange means and having inwardly facing lips, one engaging the rear surface of the casing and the other engaging the mirror to firmly grip and hold the casing and mirror in assembled relation; the improvement wherein said casing and flange means are formed as a unit from a single piece of sheet material, and wherein the outer marginal portion of the casing terminates in a rearwardly bent portion which merges into a forwardly extending portion, providing flanges projecting in opposite directions beyond the respective face portions of the casing.

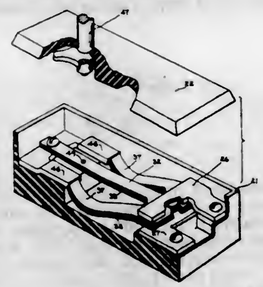
2,495,348
DOUBLE-ENDED RESILIENT FASTENER
Thorvald Reed, Detroit, Mich.
Application September 4, 1948, Serial No. 47,929
1 Claim. (Cl. 24—73)



A resilient fastener comprising an elongated loop-shaped resilient member having spaced opposed extremities on one side of the member intermediately of its length, a sleeve extending over both sides of the member and slidable therealong, two longitudinally aligned openings formed through the sleeve spaced the same distance apart as the extremities of the member whereby the fastener is held closed by the sleeve when each extremity of the member is in engagement with one of the openings, said extremities being outwardly flared toward their ends for distance substantially equal to the thickness of the sleeve material to form stops to prevent inward movement and permit outward movement of the sleeve along the member from that end of the latter, whereby when the member is compressed on one side of the sleeve and that extremity released from its sleeve opening said sleeve is free to be moved over the compressed portion and in so doing forces the other outwardly flared extremity inwardly and disengages itself therefrom.

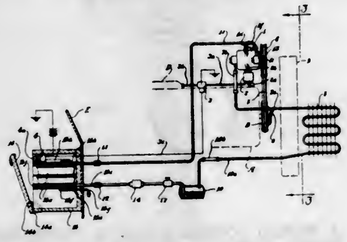
2,495,349
SNAP ACTING DEVICE
Robert D. Bohr, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application March 4, 1946, Serial No. 651,853
9 Claims. (Cl. 200—67)

1. In a snap acting device, a plurality of like formed spring members fabricated from a strip of thin metallic material, each of said spring members having side portions comprising compression elements and a central portion comprising a tension element, said elements being connected at one end in each of said spring members, said spring members being stacked flatwise in substantially parallel alignment and mounted on common mounting means for tensile stress in said tension elements and compressive stress in said compression elements, spacing means for maintaining portions of said tension elements in spaced relation, a movable actuating member having an axis of movement intersecting said tension members to move each of said spring members through a separate position of maximum stress coinciding with a separate position of said actuating member whereby said spring members are moved in stepwise succession between pre-



selected positions by snap action, said spacing means being positioned between said tension elements in alignment with the axis of movement of said actuating member.

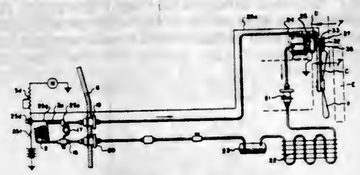
2,495,350
AUTOMOBILE REFRIGERATOR
Charles L. Smith, San Diego, Calif.
Application June 28, 1946, Serial No. 680,182
2 Claims. (Cl. 62—4)



1. In a refrigerator for automobiles, the combination with operating mechanism of an automobile, of a compressor engageable with and disengageable from said operating mechanism for rotative operation of said compressor, a freezing compartment, a thermostatic switch in said freezing compartment, means electrically associated with said thermostatic switch for engaging and disengaging said compressor from the operating mechanism of said automobile when temperature varies in said freezing compartment actuating said thermostatic switch, said means including a solenoid valve, and a vacuum cylinder communicating through said solenoid valve with the intake manifold of the operating mechanism of said automobile.

2,495,351
AIR CONDITIONING APPARATUS
Charles L. Smith, San Diego, Calif.
Application November 25, 1946, Serial No. 712,183
6 Claims. (Cl. 62—4)

1. In an airconditioning apparatus of the class described the combination of the hollow tubular coil arranged in convolutions substantially frustoconical in arrangement and a fan internally of said convolutions, said fan arranged to force air in a direction from the large diameter convolutions toward the small diameter convolutions, a frusto-conical casing surrounding said coil, a



drain tube in communicative relation with the lowermost portion of said casing.

2,495,352
WELL REPAIR
Ralph H. Smith, Houston, Tex., assignor to The Dow Chemical Company, a corporation of Delaware
Application December 12, 1945, Serial No. 634,513
8 Claims. (Cl. 166—22)



1. The method of repairing a break in a liner in a deep well which comprises withdrawing from the well the portion of the liner above the break so as to leave the remainder of the liner with severed end upstanding in the well, attaching a cylindrical member larger than the liner to the lower end of a liner string, said cylindrical member being adapted to slip over the upstanding end of the liner in the well, lowering the said liner string with the attached cylindrical member into the well so as to place the cylindrical member over the upstanding end of the liner, introducing into the annular spaces between the cylindrical member, the liner in the well and the well hole a fluid sealing compound capable of setting to a solid, and after the sealing compound has set forming an axial passage from the upper to the lower portion of the liner.

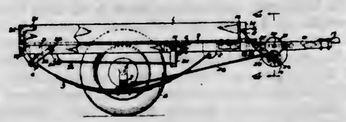
2,495,353
MOUNTING ARRANGEMENT FOR CIRCUIT ELEMENTS
John Smith, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application September 18, 1948, Serial No. 49,965
3 Claims. (Cl. 175—366)

1. A mounting arrangement for an electrical circuit element including: a supporting member having an aperture for receiving said circuit element; a pair of pliable members disposed on opposite sides of said supporting member and each having an aperture in alignment with the aperture of said supporting member; a pair of contact devices projecting through the respective apertures of said pliable members and each having a contact portion abutting said circuit element and overlapping the aperture of its associated pliable member, the combined thickness



of said contact portions and said circuit element being greater than the thickness of said supporting member; and fastening means insulated from said circuit element for securing said pliable members to said supporting member in at least two places effectively to lock said contact portions in abuttal relation with said circuit element.

2,495,354
DUMP TRAILER
Leonard N. Spearing, Detroit, and William Hyvari, Tuscarora, Mich.
Application August 17, 1948, Serial No. 44,605
5 Claims. (Cl. 298—5)

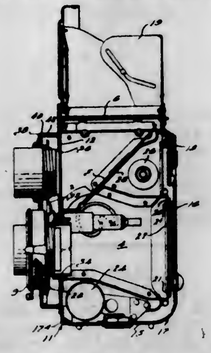


1. A dump trailer including an axle having wheels thereon and an offset portion, springs supporting the body on the axle, a tongue extending forward from beneath the body normally substantially parallel with the latter, said body being pivoted on the tongue forwardly of the axle, a drum rotatably mounted on the tongue, means for turning the drum, and a cable wound on the drum and connected at its outer extremity to the offset portion of the axle, whereby upon rotation of the drum the said offset portion is adapted to be drawn forward relative to the tongue thereby causing rotation of the body about its pivot mounting of the tongue and thereby raising the front extremity of the latter.

2,495,355
FOCUSING MECHANISM FOR TWIN LENS REFLEX CAMERAS
Rodolphe Stahl, Detroit, Mich., assignor to Ciro Cameras, Inc., Delaware, Ohio, a corporation of Michigan
Application August 30, 1946, Serial No. 693,844
5 Claims. (Cl. 95—44)

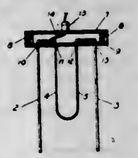
1. In a focusing-type camera, a body, a movable lens plate associated with said body, and having means for carrying a picture-taking lens and a focusing lens, said lens plate being arranged for movement relative to said body whereby a viewable image admitted through said focusing lens may be brought into focus so that a corresponding image to be admitted through said picture-taking lens will be in focus for exposing a sensitized film, a single adjusting means located wholly on one side of the light paths of said lenses for effecting focusing movements of said lens plate relative to said body and constituting the sole means for effecting said movements, said adjusting means comprising a cylindrical post rigidly

secured to said lens plate adjacent one edge portion thereof, said post extending outwardly from said lens plate toward said body, a supporting member rigidly secured to said body and having an internal cylindrical bearing surface which slidably receives and snugly fits said post, a single cam carried by said body and having a flange of substantially uniform thickness to provide a cam surface and a follower surface, said surfaces be-



ing movable relative to said supporting member, a cam follower carried by said post and engageable with said cam surface, means movable with said post and engageable with said follower surface for maintaining said follower in engagement with said cam surface under substantially constant pressure irrespective of the position of said cam member, and means preventing rotation of said post in said bearing surface.

2,495,356
HEAT THERAPY APPLIANCE
George C. Tong, St. Louis, Mo.
Application October 30, 1946, Serial No. 706,665
4 Claims. (Cl. 219—46)



2. A device of the kind described comprising, an elongated flexible electrical heating pad having a length on the order of at least ten times its width, and a rigid plate-like support connected to said pad intermediate its ends so as to provide freely movable elongated heating pad legs extending from said support.

2,495,357
REFRIGERATOR WITH A TOP ICE BOX
Carl J. Wagner, Detroit, Mich.
Application July 15, 1946, Serial No. 683,585
3 Claims. (Cl. 62—46)

1. A combination ice mechanical refrigerator comprising a box having an open front, a door closing said open front, a cooling compartment at the top of said box, a mechanical cooling unit at one side of said compartment, a member for supporting ice at the other side of said compartment, air flow controlling means dividing the interior of said box into said cooling compartment and a lower food storage compartment comprising a plate spaced from the rear wall of said box and the door thereof, said plate being transversely inclined downwardly and inwardly from the side edges thereof to direct downwardly moving cold air from either side of said cooling compartment toward the center of the box, said

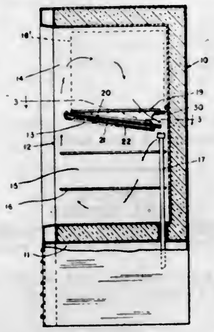
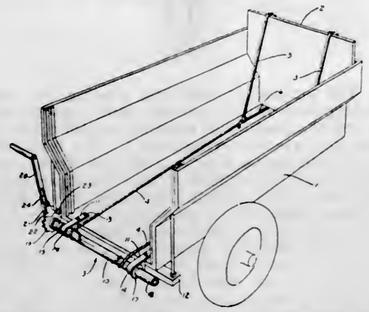


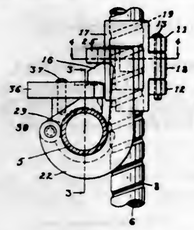
plate being downwardly and rearwardly inclined from the front edge thereof to direct cooled air rearwardly of the box, and a ledge extending forwardly from the rear wall of said box at the bottom of said cooling compartment effective to direct downwardly moving cold air from said cooling compartment onto said plate.

2,495,358
WAGON BOX UNLOADING SCRAPER
Orville G. Wengert, State Center, Iowa
Application March 31, 1948, Serial No. 18,232
1 Claim. (Cl. 214—82)



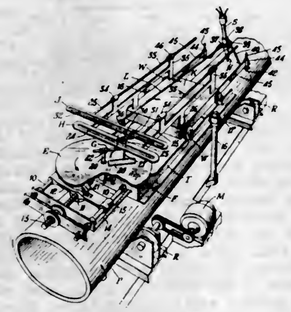
In combination with a wagon box, a vertical scraper wall slidably engaging the bottom of said wagon, two spaced apart brace rod runners on said scraper wall; said brace rod runners each extending downwardly and rearwardly from the top of the scraper wall to points adjacent the bottom of said wagon box and thence horizontally forward to the bottom of said scraper wall, a rotary mounted shaft on the rear end of said wagon box, a means to facilitate the manual rotation of said shaft, and two flexible cable members having their forward ends secured to the rearmost ends of the two brace rod runners respectively, and their rear ends secured to said rotary mounted shaft; said two cable members having their length between said shaft and scraper wall adjacent the bottom of said wagon box.

2,495,359
SCAFFOLD CLAMP
Carl E. Wood, Milwaukee, Wis., assignor to Kendall Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 20, 1947, Serial No. 736,025
6 Claims. (Cl. 304—40)



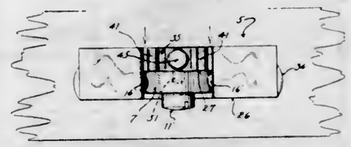
3. A clamp of the character described comprising a main body made up of a body member having a longitudinal groove adapted to receive a tube or rod, a complementary body clamp having a similar groove and hinged to the body member whereby they may be closed upon a tube or rod, said member and clamp having outwardly diverging guide surfaces on their opposite outer faces running in the same direction as the grooves, a cradle member having a seat therein for a tube or rod to be laid and having a clamp member hinged thereon and adapted to clamp a rod or tube in said seat, side bars projecting from said cradle and having lugs engaging said diverging guide surfaces and pressing the body member and body clamp together, and cooperating latch members on the clamp member and the main body securing them together.

2,495,360
PIPE MITERING MACHINE
Lloyd W. Young, Elizabeth, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 23, 1945, Serial No. 630,442
14 Claims. (Cl. 266—23)



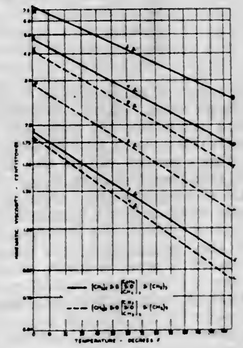
13. In a pipe mitering machine, means for causing relative rotation of a blowpipe nozzle and the pipe being cut about the longitudinal axis of the pipe, means for causing relative longitudinal movement of said nozzle and pipe during such relative rotation in timed relation thereto to cause a miter cut in the pipe, an actuator driven in timed relation thereto, a link driven by said actuator and connected to the blowpipe, and a coupling interposed between said actuator and said nozzle and connected to said link for gradually changing the inclination of the blowpipe to provide a bevel edge for the miter cut.

2,495,361
KNIFE SHARPENER
Alfred E. Anheuser, Milwaukee, Wis.
Application June 7, 1947, Serial No. 753,321
13 Claims. (Cl. 76—88)



1. A knife sharpener comprising: a substantially cylindrical, file-like sharpening element; a base; a pair of spaced apart parallel standards extending upwardly from said base; a screw received in holes in said standards and in an axial hole in said sharpening element to mount the sharpening element lengthwise between the standards and with its axis spaced above the base, said screw being threaded into one of said standards to enable the sharpening element to be clamped in any one of a number of positions of rotational adjustment on said standards; an arm extending upwardly from the base on either side of the sharpening element; and a spherical blade guide member received in a socket-like hole in each of said arms and biased by said arms toward engagement with diametrically opposite side surfaces of the sharpening element.

2,495,362
COPOLYMERIC SILOXANES
Arthur J. Barry and John W. Gilkey, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
Application July 31, 1948, Serial No. 41,823
5 Claims. (Cl. 260—448.2)

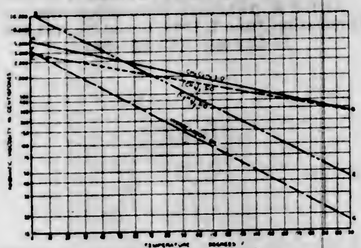


1.

$$(CH_3)_3RSiO\left[\begin{matrix}CH_3\\ SiO\\ C_7H_7\end{matrix}\right]_n SiR(CH_3)_2$$

where R is selected from the group consisting of methyl and ethyl radicals and n has a positive value.

2,495,363
ETHYLMETHYLPOLYSILOXANES
Arthur J. Barry and John W. Gilkey, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
Application July 31, 1948, Serial No. 41,824
4 Claims. (Cl. 260—448.2)



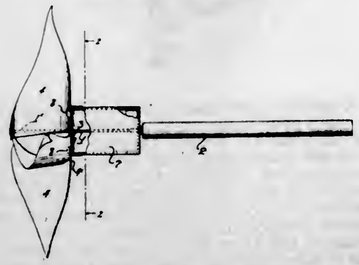
1. $(C_2H_5CH_3SiO)_n$ where n is an integer of at least 3.

2,495,364
MEANS FOR CONTROLLING BIT ACTION
William H. Clapp, Pasadena, Calif.
Application January 27, 1945, Serial No. 574,835
5 Claims. (Cl. 255—19)



1. A combination of parts for use in the rotary system of drilling wells, which comprises: a drill pipe extending from the bit assembly and upwardly through the well to a point above the top of the well bore; means above the top of the well bore for rotating the drill pipe; means for supporting all or a part of the weight of the drill pipe; an upper displacement member having an upper interrupted cam on the lower end thereof; means rigidly connecting the upper displacement member to the drill pipe; a lower displacement member having a lower interrupted cam on the upper end thereof, said upper and lower cams being in contact with each other when the bit is in firm contact with the bottom of the well and being so formed that when the upper displacement member rotates at a faster rotative speed than the lower displacement member the displacement members are alternately forced apart and allowed to come together; a compression spring so placed that it exerts an upward pressure on an extension on said lower displacement member and the same pressure downwardly on said upper displacement member, said pressure being substantially greater than that needed to lift the lower displacement member and all parts carried thereby and hold the lower interrupted cam in firm contact with the upper interrupted cam while the bit is in actual use; and means rigidly connecting the lower displacement member to the bit.

2,495,365
MUSICAL PINWHEEL
Irwin Cohn, Leominster, Mass.
Application May 4, 1946, Serial No. 667,373
2 Claims. (Cl. 84—94)



1. A musical pin wheel comprising a handle, a shaft projecting forwardly of the handle, a cam finger fixed on the shaft, a box-like member mounted on the shaft and enclosing said cam finger, said box-like member including an apertured plate at one end thereof, said plate being provided with a plurality of reeds in registration with said cam finger, and a pin wheel device carried by the box-like member and adapted to impart rotation thereto.

2,495,366
INSECT EXTERMINATING DEVICE
William M. Edmonstone, Hyde Park, Mass.
Application January 31, 1948, Serial No. 5,615
2 Claims. (Cl. 42—132)



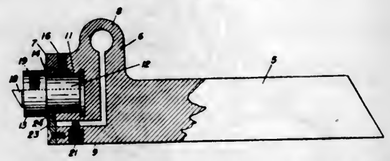
1. An insect exterminating device of the door operated type comprising two juxtaposed members adapted for relative movement towards and from each other in opposite directions, one of the members being adapted to support insect attracting material in the space between the two members, an enclosure surrounding said members so that light is excluded from the space therebetween, a spring for producing the relative motion in one direction and a lever attached to one member and adapted to be operated by the door for producing the relative motion in the opposite direction.

2,495,367
INSECT EXTERMINATING DEVICE
William M. Edmonstone, Hyde Park, Mass.
Application June 15, 1948, Serial No. 33,162
5 Claims. (Cl. 42—110)

1. An insect exterminating device comprising two members each having a plane surface and two parallel sides normally projecting therefrom, and two springs each fastened to a respective side of one of said members and bearing against the plane surface of the other thereby yieldably to juxtaposition the plane surfaces of said members in spaced relationship, one of said surfaces being adapted to support insect attracting material in the space between said members, one of said members partially enclosing the other member to exclude light from the space therebetween, whereby pressing together of said members against the force exerted by said springs crushes insects attracted to the material between the plane surfaces of the members.

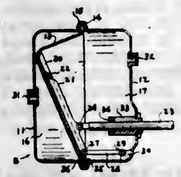


2,495,368
THREAD-CUTTING TOOLHOLDER
Karl Egli, San Francisco, Calif.
Application September 26, 1947, Serial No. 776,328
1 Claim. (Cl. 29—97.5)



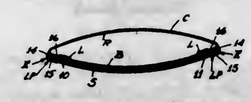
In a thread cutting tool holder, a shank, a head formed integrally with said shank spaced therefrom through the medium of a curved resilient portion, a lug carried by said shank and engaging a slot formed in said head to prevent sidewise movement of said head with respect to said shank, said head having a bore formed therein, a sleeve adjustably positioned in said bore, means for securing a bit in said sleeve, and a limiting screw carried by said shank and engaging the under side of said head at a point remote from said resilient curved portion when making a rough cut.

2,495,369
POWER CHAMBER
Gordon R. Elliott, Ferndale, Mich., assignor to Irving A. Puchner and Edward U. Demmer, Milwaukee, Wis.
Application February 23, 1944, Serial No. 523,780
3 Claims. (Cl. 137—157)



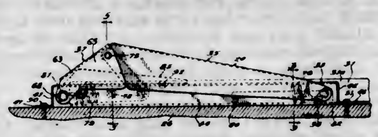
1. A power chamber comprising a hollow housing, a flexible substantially conically shaped diaphragm with a pivoting edge positioned through said housing and peripherally secured thereto so as define with said said housing pressure chambers on the opposite sides thereof, a pivoted support, a plate carried by said diaphragm and pivotally joined to the free end of said support adjacent said pivoting edge, a longitudinally reciprocable shaft extending through said housing and pivotally joined to said plate at a point between the center of said plate and the connection of said plate with the pivotal support, and means limiting the reciprocation of said shaft to straight line movement, said pivoted support allowing vertical movement of said plate thereby preventing binding of said shaft due to the provision of said movement limiting means.

2,495,370
HAIR REMOVER
Jacob M. Field, Brooklyn, N. Y.
Application October 25, 1948, Serial No. 56,409
12 Claims. (Cl. 51—186)



3. In combination, a backing provided with spaced gaps, a stack of sheets having registering and spaced slots in alinement with said gaps, and means for holding said stack to said backing comprising a strap having spaced retaining members straddling portions of said backing and stack and in part threaded into and through said slots and gaps and in part disposed against said backing.

2,495,371
HINGE
Carl Edward Harry Frykdahl, St. Louis, Minn., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application February 28, 1947, Serial No. 731,658
11 Claims. (Cl. 16—80)

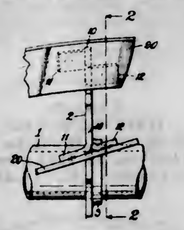


1. A hinge for mounting a door or the like on a supporting member and comprising an elongated base member adapted to be attached to said supporting member in position to extend substantially parallel to one end of said door, a lever pivotally connected to said base member and adapted to be connected to said one end of said door, a link, means pivotally and slidably connecting one end of said link to said base member, means pivotally connecting the other end of said link to said lever with the axis of pivotation in fixed relation to said link and lever, and resilient means connected to said base member and said link for moving said link longitudinally of said base member to thereby pivot said lever relative to said base member.

2,495,372
REEL AND CUTTER BLADE FOR LAWN MOWERS
Harry Goldberg, Chicago, Ill., assignor to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware
Original application August 2, 1945, Serial No. 608,396. Divided and this application August 11, 1947, Serial No. 767,927
1 Claim. (Cl. 56—294)

In a cutter reel for lawn mowers and the like, a shaft, a plurality of apertured spiders spaced

therealong, each said spider having a plurality of lead projections with generally radial edges, the corresponding projections of the spiders being helically arranged, the lead edges of each projection having a plurality of lugs conforming to



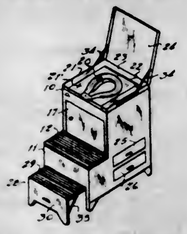
said helix, extending oppositely from the lead edge of each said projections of each spider, and a helical cutter blade abutting against and secured to the lugs of corresponding lead edges, the outer edges of said blades being sharpened.

2,495,373
FITTING FOR CONNECTING TUBES AND PIPES TO TANKS
Max Grunt, Newark, N. J.
Application December 5, 1947, Serial No. 789,813
2 Claims. (Cl. 285—205)



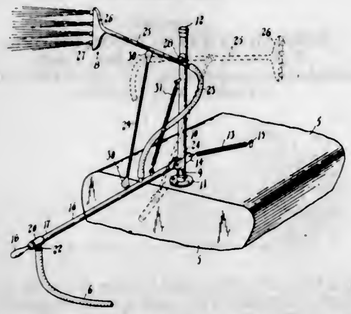
1. A tank fitting comprising a cylindrical exteriorly threaded plug to be screwed into a hole in a tank wall and having a plurality of openings therethrough each to receive a tube, means for anchoring a tube in each opening in fluid tight relation to said plug, comprising at least two elements one of which is an annular shoulder fixed with respect to the plug and coaxial with the corresponding opening while the other element is rotatable relatively to the plug and has a bore therethrough coaxial with said shoulder to slidably receive a tube and upon rotation in one direction to cooperate with said shoulder to lock said tube in the plug for producing a fluid tight joint between said plug and said tube.

2,495,374
HOSPITAL CABINET-COMMODE
William S. Horn, Fort Worth, Tex.
Application April 14, 1949, Serial No. 87,533
6 Claims. (Cl. 4—135)



1. In a hospital-bed-height commode for hospital patients, in combination, a cabinet having a base portion extending forwardly and providing a foot rest below the top of said cabinet, an open seat hingedly arranged in the top of said cabinet and a hinged cover over said seat, an opening in said cabinet above said foot rest, means in the upper end of said cabinet under said open seat for supporting a bed pan therein, a stool slidably connected to said base portion and capable of being extended therefrom providing a step, and drawers in said cabinet adapted to open on either side thereof.

2,495,375
SPRAYING APPARATUS
Alan Lishman, Pickering, Ontario, Canada, assignor of one-half to Ernest L. Ruddy, Pickering, Ontario, Canada
Application July 25, 1945, Serial No. 606,949
7 Claims. (Cl. 299—72)

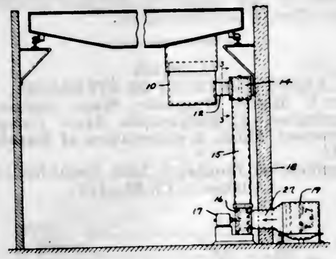


1. Spraying apparatus comprising a standard having a base part by which it is vertically supported, a sleeve mounted on said standard for rotation about the vertical axis thereof, a spray gun pivoted on the upper end of said sleeve on a horizontal axis to rotate in a vertical plane, a flexible tubing extending from said spray gun for connection to a source of spraying liquid, a hand lever pivoted on the lower end of said sleeve on a horizontal axis for vertical movement, the pivotal axis of said hand lever being arranged at substantially right angles to that of said spray gun, and a tie rod pivotally connected to said spray gun and to said hand lever, the pivotal connections of said tie rod permitting universal movement thereof, and said tie rod being so proportioned in length relative to the distance between the pivot points of the spray gun and the hand lever on the standard plus the sum of the distances between these pivot points and the pivot points of the tie rod on the spray gun and the hand lever as to enable the hand lever to turn the spray gun over the dead centre of its pivot from either side of the standard utilizing the momentum of the moving parts of the structure to carry the spray gun over dead centre.

2,495,376
VENTILATING APPARATUS
Eldon H. Lusk, Sharon, Mass., assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application June 29, 1946, Serial No. 680,504
4 Claims. (Cl. 98—39)

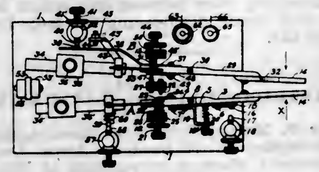
1. A ventilating system for a movable enclosure, comprising a supply duct movable with the enclosure and connecting at one end with the interior thereof, a stationary duct extending parallel

the path of movement of said enclosure and having an open side facing said enclosure, an endless belt rotatable in said stationary duct and filling said open side thereof, said belt having an opening therein, said supply duct being connected at



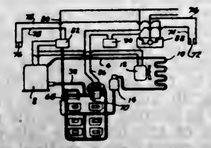
its other end to said belt in alignment with said opening, means forming an air inlet passage into said stationary duct between the opposite sides of said belt, and means for supplying air into said passage.

2,495,377
DUPLEX TELEGRAPH SIGNAL AUTOMATIC MANIPULATOR
Tomas Tejera Mayorquin, Habana, Cuba
Application April 22, 1946, Serial No. 663,899
In Cuba March 25, 1946
3 Claims. (Cl. 178—82)



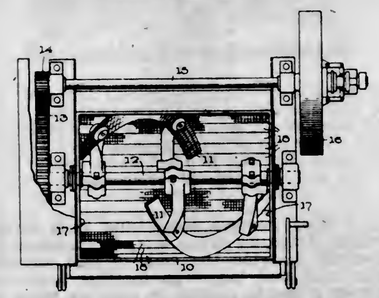
1. A Morse dot and Morse dash manipulator having a lever divided into two portions normally in end abutting relation against each other, an outer lateral spring strip resiliently connecting together said portions of the lever, a movable contact on each portion of the lever, two stationary contacts to cooperate with the movable contacts on the two portions of the lever, said lever portions being adapted when moved to the right to coact as a unit with said stationary contacts to form a series of Morse dot signals and when moved to the left to only act the lever outermost portion to form a Morse dash signal.

2,495,378
MEANS FOR AND METHOD OF CONDITIONING REFRIGERATING SYSTEMS
Ira E. McCabe, Chicago, Ill.
Application January 21, 1944, Serial No. 519,127
8 Claims. (Cl. 62—115)



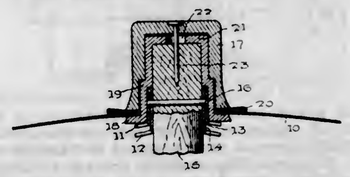
1. In a refrigerator mechanism, the combination of a freezing unit having means included in a circulatory system for a refrigerant, electrical means including a circuit embodying said unit as an element thereof for raising the temperature of said unit, and means associated with said unit adapted to receive ice receptacles to complete a shunt circuit in said electrical means to raise the temperature of said receptacles for removal of ice therefrom.

2,495,379
CONCRETE MIXER
David O. McIntosh, Nashville, Tenn., assignor of one-half to Charles W. Akers, Nashville, Tenn.
Application March 26, 1946, Serial No. 657,096
4 Claims. (Cl. 259—178)



4. A concrete mixer comprising a container in which the concrete is mixed, a plurality of spaced ribs on the inner surface of said container arranged transversely of the direction of flow of concrete on said surface to obstruct such flow and forming between said ribs a multiplicity of recesses constituting the major portion of said ribbed surface, mixing members movable within the container for facilitating mixing of the concrete, and a plurality of spaced ribs on the surface of each mixing member arranged transversely of the direction of flow of concrete on said surface and forming between said ribs a multiplicity of recesses constituting the major portion of the ribbed surface of each mixing member.

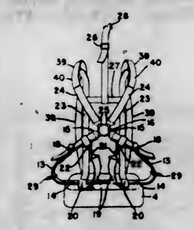
2,495,380
UMBRELLA FERRULE
David Miller, Lancaster, Pa.
Application August 2, 1945, Serial No. 608,443
3 Claims. (Cl. 135—36)



2. In a umbrella, means for attaching a covering around the tip end of the umbrella stick, said means comprising an inner plug mounted on the tip end of the stick, a circumferential shoulder formed on said plug a ferrule telescopically received on said plug, a recess formed in said ferrule to receive the shoulder on said plug, cooperating clamping surfaces on said plug and ferrule between which said covering is secured, said shoulder and said recess providing a limited clamping action on said covering, said plug and

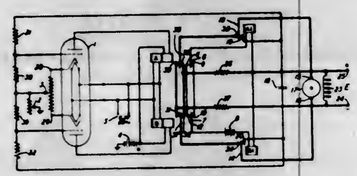
ferrule each having an apertured end wall, and a nail extending through said apertures into said stick with the head of the nail seated against the outer surface of the end wall of the ferrule.

2,495,381
PARACHUTE CHAIR PACK
Harold J. Moran, Trenton, N. J., assignor to Switlik Parachute Company, Inc., Trenton, N. J., a corporation of New Jersey
Application March 28, 1947, Serial No. 737,738
14 Claims. (Cl. 244—122)



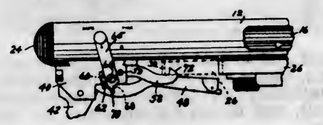
1. A body harness comprising back straps, shoulder straps, leg straps, a lap strap, means for releasably securing the ends of said shoulder straps and said lap strap together, separable fastener elements carried by said lap strap for detachable engagement with complemental fastener elements on a fixed portion of an airplane, a retaining strap connected with said harness and having a separable fastener element thereon for detachable engagement with a complemental fastener element on a fixed portion of an airplane, and suspension straps connected with said shoulder straps and adapted to be connected to a canopy.

2,495,382
MOTOR CONTROL CIRCUIT
Edmund R. Morton, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1946, Serial No. 688,734
11 Claims. (Cl. 318—257)



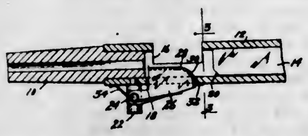
1. A motor control system comprising a first source of control signal of variable parameters, a second source of control signal of fixed parameters, two switching devices, control circuits to said devices, circuit means for permitting said second signal acting alone upon said control circuits to open and close circuit through said devices in step with each other, circuit means for superimposing said first signal upon said second signal in said control circuits to cause the opening and closing of circuits through said devices out of step with each other by an amount corresponding to parameters of said first signal, a source of power, a motor connectable with said power source by said devices only when said devices are in different operative status, a condenser, other switching means operated by said devices only when said devices are in the same operative status to disconnect said motor from said power source and to connect said motor to said condenser, and circuit means rendering the charge acquired by said condenser effective to counteract the effect of said first signal.

2,495,383
SAFETY DEVICE FOR FIREARMS
Lester F. Mulno, Worcester, Mass., assignor to Harrington & Richardson Arms Company, Worcester, Mass., a corporation of Massachusetts
Application January 2, 1948, Serial No. 10
4 Claims. (Cl. 89—145)



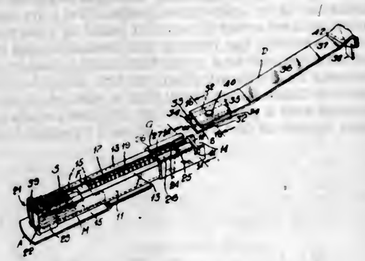
1. Safety device for a firearm having a reciprocable action bar and connected breech bolt comprising movable means in the path of the action bar for selective engagement therewith to hold the same and the bolt in breech open condition, a sear, means to positively move the said movable means out of the path of the action bar to provide for normal function thereof, and a connecting lever between the action bar and sear, said means disengaging the lever from the action bar.

2,495,384
CARTRIDGE LOADING PLATFORM FOR FIREARMS
Lester F. Mulno, Worcester, Mass., assignor to Harrington & Richardson Arms Company, Worcester, Mass., a corporation of Massachusetts
Application May 27, 1948, Serial No. 29,453
1 Claim. (Cl. 42—16)



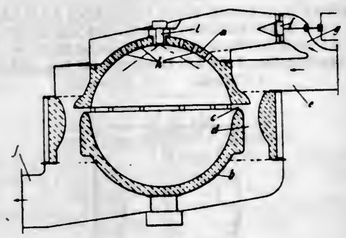
Cartridge loading platform for a single shot, hand operated bolt action firearm including a receiver, a bolt, and a barrel, said platform comprising a sheet metal grooved member, a pair of spaced down-turned ears thereon, portions of said ears extending forwardly of the member, the latter having a portion downwardly curved to the rear, the forwardly extending portions of the ears being pivoted to the receiver under the breech of the barrel, the receiver having an opening up through which the member extends, a spring to bias the member up, the groove being linear and aligned linearly with the bore of the barrel with the groove in the member and the bore in the barrel being in aligned relation only when the platform is in loading position the member being in the path of the bolt, the latter striking the downwardly curved rear portion of the member to depress the same so the bolt can close the breech.

2,495,385
POCKET STAPLING MACHINE
Charles M. Palmer, Washington, D. C., assignor to Speed Products Company, Inc., New York, N. Y., a corporation of New York
Application April 29, 1948, Serial No 24,011
19 Claims. (Cl. 1—49)



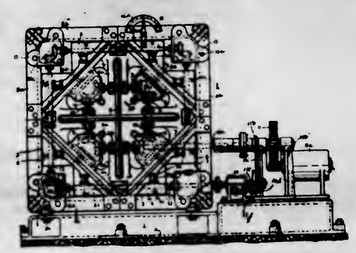
1. In a stapling machine, a magazine for housing a strip of staples and having a raceway, bearing means, means disconnectably holding said bearing means on said magazine, driving means having a portion sustained by said bearing means and having a driving blade slidably and removably guided relative to said raceway for ejecting the foremost staple of said strip out of said raceway, and means rotatably holding said portion on said bearing means.

2,495,386
COMBUSTION UNIT
Edgar Phillips Peregrine, Tynemouth, England, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England
Application April 8, 1947, Serial No. 740,245
In Great Britain November 7, 1946
3 Claims. (Cl. 263—19)



1. A combustion system wherein the air is divided into two portions, one portion, amounting to the quantity necessary to secure complete or substantially complete combustion of the fuel, being fed to a combustion chamber the interior of which has the form of two hemispherical, or approximately hemispherical members, separated by an annular outlet opening, a fuel sprayer being provided at one end of the diameter normal to the plane containing said opening encircled by openings for the admission of said portion of air, the resulting hot gas issuing from said outlet opening being caused to mix with a second portion of the air, which latter portion is not subjected to any substantial pressure drop.

2,495,387
MILL
Richard E. Rummins, Massillon, Ohio
Application January 3, 1946, Serial No. 638,808
6 Claims. (Cl. 80—34)

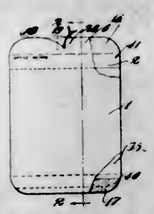


1. In a mill, the combination with a frame, of a set of rolls the corresponding sides of which terminate in upwardly and inwardly inclined faces adapted to simultaneously engage work, angularly related shafts, each of said rolls being fixed to one of said shafts intermediate the ends of the latter and supporting said roll in work engaging relation, supports on said frame extending inwardly between said rolls, pairs of alined bearings mounted on said supports, each pair of bearings slidably supporting the opposite ends of one of said shafts, pairs of aligned gears mounted in said supports, each of said gears meshing with the adjacent gear of the adjoining pair and one of said gears of each pair being drivingly connected to one of said shafts, means for driving one of said shafts, ways on said frame, each related to one of said rolls and disposed parallel to the axis thereof, a device slidably mounted on each way and operatively connected to the adjacent shaft for adjusting the roll thereon axially, the opposite ends of each device slidably engaging the adjacent ends of adjoining devices to permit relative movement therebetween, each end of each device and the adjacent end of the adjoining device being disposed in a plane coincident with the plane of the work engaging face of the roll related to one of said adjoining devices, a shaft disposed parallel to each of said devices, driving connections between the opposite ends of each of said last mentioned shafts and the adjacent ends of adjoining shafts, removable gear elements between each of the last mentioned shafts and the adjacent device for moving it on the adjacent way, and means for driving one of the last mentioned shafts.

2,495,388
RECORD DEVICE
Gerald F. Ryan, Nashville, Tenn.
Application July 30, 1946, Serial No. 687,143
13 Claims. (Cl. 282—23)

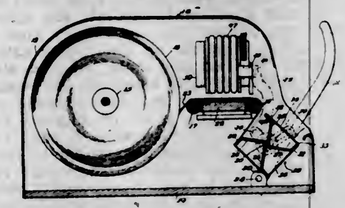
1. A record pad comprising a set of at least two superposed record sheets connected together at each end, one of the sheets having a weakened line extending thereacross adjacent to and inwardly of the connection at one end and the other sheet having a weakened line extending thereacross adjacent to and inwardly of the connection at the opposite end, said weakened lines being weaker than any other portion of the respective sheets, whereby the pad may be divided into two parts, each part including a substantial portion of one sheet, by pulling the ends of the sheets in opposite directions, the sheets parting along their weakened lines leav-

ing the severed end of the said one sheet connected to the said other sheet and leaving the



severed end of the said other sheet connected to the said one sheet.

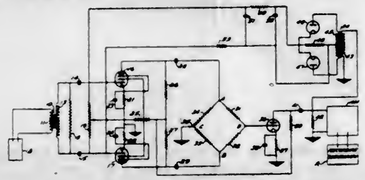
2,495,389
TAPE DISPENSER
Harold P. Sammann, Chicago, Ill.
Application June 19, 1946, Serial No. 677,737
2 Claims. (Cl. 101—288)



1. A printed adhesive tape dispenser comprising a support member, a tape supply spool journalled for rotation in said support member, a printing platen in the plane of the supply spool adjacent its outer edge, printing means intermittently movable toward said printing platen for printing indicia on the adhesive side of tape positioned on the platform, and a dispensing reel to draw the tape from the supply spool across the printing platform; said reel comprising a hub, a plurality of tape dispensing members mounted on said hub and extending outwardly therefrom, with the tape engaging members spaced apart from each other to leave at least one side of the reel open for grasping the tape; each of said tape engaging members being bent to define blade portions each having a cutting edge and a smooth tape engaging surface to adhere to the adhesive side of the tape and maintain the tape in tension when the reel is rotated, together with lever means for intermittently turning said reel to dispense a predetermined length of tape, and link means coupling said lever means and the printing means for synchronizing the movement of the printing means and reel, whereby one printing operation is performed for each unit length of tape dispensed.

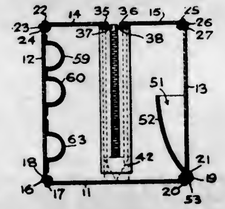
2,495,390
SEISMOGRAPH GAIN CONTROL SYSTEM
Edwin J. Shimek, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 20, 1946, Serial No. 655,659
2 Claims. (Cl. 179—171)

2. A seismograph amplifier comprising a pair of vacuum tubes arranged in balanced circuit relation, grid-biasing means for applying between the respective signal grids and cathodes of said tubes a bias for operation of each tube at the same point on their respective characteristic curves, means including a resistor having a mid-portion connected to the cathodes of said tubes and the respective end portions connected to the signal grids of said tubes, a source of direct current potential connected to the respective end portions of said resistor to bias said tubes respectively in opposite senses and away from said point of said characteristic curves for raising the transmission level of seismic signals to a predetermined value by unbalancing said circuit relation, the output circuit of said vacuum tubes including a source of anode potential and a pair of similar resistors each connected to one of the anodes of said vacuum tubes,



a bridge circuit having a first diagonal capacitively connected to the anode sides of said similar resistors, said bridge having a second diagonal, one end of which is connected to ground, and means including an amplifier having an input circuit connected to the other end of said second diagonal and responsive to output signals from said amplifier above a predetermined minimum level for applying a direct current biasing potential in opposition to said source of direct current potential simultaneously to change the bias on said tubes in directions for operation of each nearer said point on said characteristic curves to control the amplitude of the output signals, said bridge being adjustable to balance out any difference in anode currents due to characteristic curves for the respective tubes of different amplitude.

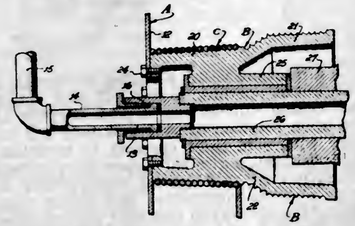
2,495,391
CARRYING CASE FOR SUCTION CLEANERS OF THE HORIZONTAL TANK TYPE
Ethel Morrison Smith, Haddonfield, N. J.
Application July 12, 1946, Serial No. 683,019
2 Claims. (Cl. 150—52)



1. A carrying case for suction cleaners of the horizontal tank type formed of canvas or the like flexible material, comprising a flat bottom having longitudinally extending substantially parallel side edges and end edges arranged substantially at right angles to said side edges, side members, each side member having a longitudinal edge connected to a longitudinal side edge of the bottom by stitches, each said side member having an end edge at each end and a top edge, said end edges and said top edge of each side member forming a continuous edge portion wherein the top edge is

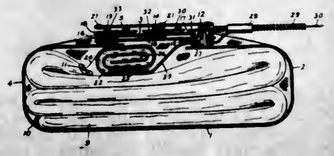
arranged substantially in parallel relationship with respect to the longitudinal side edge of said bottom and the end edges are inclined toward each other outwardly from the connection of the side member with the bottom, a pair of inwardly directed top and end members, each formed of an elongated substantially rectangular piece of material having an opposed pair of longitudinal side edges and an edge at each end arranged substantially at right angles thereto, each of said top and end members having a longitudinal side edge connected to the end edges and top edge of a side member by stitches and its end edges connected to the end edges at each end of said bottom by stitches, whereby said top and end members have longitudinal meeting edges extending from a point adjacent one end of said bottom to a point adjacent the other end of the bottom, and means on the longitudinal meeting edges of said top and end members for detachably securing together the meeting edges of said top and end members.

2,495,392
REELING DEVICE
Neil V. Smith, Los Angeles, Calif.
Application May 10, 1946, Serial No. 668,908
13 Claims. (Cl. 242—86)



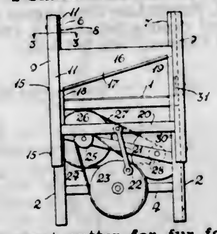
1. In apparatus of the character described, a reel, a drive line, a differential drum having aligned line carrying portions of different diameters and driving the reel, the line having its end portions wound in opposite directions on said portions of the drum, and means applying force to the line to rotate the drum the largest of said drum portions having a reduced end of substantially the same diameter as the smallest of said drum portions.

2,495,393
PILOT CHUTE EJECTOR
Albert T. Stretch, Jr., Trenton, N. J., assignor to Switlik Parachute Company, Inc., Trenton, N. J., a corporation of New Jersey
Application February 11, 1947, Serial No. 727,905
17 Claims. (Cl. 244—148)



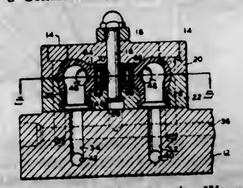
1. A parachute pack assembly comprising a container having a back portion and a releasable closure adapted to overlie said back portion, a parachute canopy folded upon said back portion with its peak adjacent said closure, means for attaching said canopy to a load, a pilot chute, means attaching said pilot chute to the peak of said canopy, a flexible pilot chute ejector, said pilot chute and pilot chute ejector being folded together and located upon said canopy adjacent its peak portion and located entirely within said container, said releasable closure being located over said canopy, pilot chute and pilot chute ejector, means for securing said closure and said pilot chute ejector releasably together, and means for withdrawing said pilot chute and pilot chute ejector from said pack and for freeing said pilot chute from said pilot chute ejector.

2,495,394
FROZEN MEAT CUTTER KNIFE GUIDING ASSEMBLY
Mark H. Teskey, Killarney, Manitoba, Canada
Application July 19, 1948, Serial No. 39,541
In Canada August 20, 1947
1 Claim. (Cl. 146—159)



A frozen meat cutter for fur farms and the like comprising in combination a substantially rectangular platform, vertical guiding assemblies at each of two adjacent corners of said platform extending thereabove, said guiding assemblies each consisting of a pair of angle bars in nested relationship such that two of the parallel flanges are spaced to provide a guideway and the other two overlapping flanges mutually secured and in inter-surface contact, an open-centred cutting-frame assembly mounted for movement in said guideway, said frame embodying a vertically diagonally bladed cleaver spanning said guide members, vertical side rails extending downwardly from the ends of said cleaver, and a horizontal spanning-rail secured to the lower ends of said side-rails, a connecting rod attached to said spanning-rail to impart vertical reciprocating movement to said frame, across the produced plane of said platform in shearing relationship to the adjacent edge thereof, a flywheel below said platform to which said connecting rod is eccentrically attached, and means for operating said flywheel.

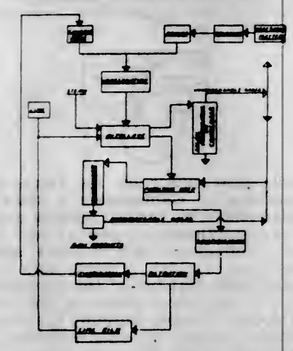
2,495,395
POWER TRANSMISSION VALVE
Ralph L. Tweedale, Birmingham, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application May 11, 1946, Serial No. 669,151
8 Claims. (Cl. 277—60)



2. A multi-way valve for controlling fluid flow under pressure comprising a hollow member hav-

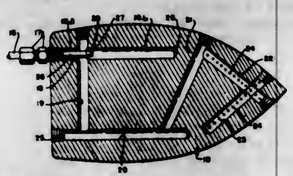
ing a plurality of wall portions formed of a material having the flexible characteristics of rubber, each wall portion having a slit and shaped to provide a wedging action tending to close the slit when the wall is flexed laterally in one direction by fluid pressure, and means for flexing the walls selectively in opposition to fluid pressure whereby to selectively open each slit.

2,495,396
DESTRUCTIVE DISTILLATION OF VEGETABLE MATTER WITH CAUSTIC AND LIME
Jacques Urison, Paris, Philippe de Calignon, Lannemezan, and Gustave Pingard, Thann, France, assignors to Societe Pyreneenne de Carburants et Selvants, Paris, France, a French corporation
Application October 30, 1945, Serial No. 625,674
In France October 19, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 19, 1964
2 Claims. (Cl. 202—34)



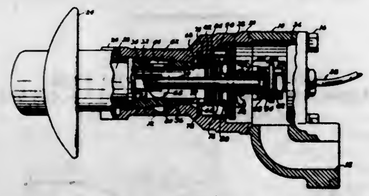
1. A method of producing liquid condensable organic compounds from vegetable cellulosic material, which comprises impregnating this cellulosic material with a caustic soda lye at a temperature relatively low, treating the impregnated material in an autoclave in the presence of caustic alkali by quickly raising the temperature of the mass up to 160–180° C., adding lime to the mass, drying at a temperature of 160–180° C., keeping said mass at this temperature for several hours after the end of the drying operation, and treating by pyrolysis.

2,495,397
CONDENSATION TRAP FOR STEAM IRONS
Albert J. Weber, Los Angeles, Calif.
Application September 24, 1946, Serial No. 698,897
2 Claims. (Cl. 38—77)



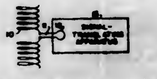
1. A flat-iron construction comprising a base having an operating face, means defining a tubular zig-zag steam flow path in said base for conducting steam therethrough from an inlet connection to discharge openings in said operating face, a tubular chamber adjacent said inlet connection forming a part of said flow path and extending laterally from said means, said chamber having at one end a communication opening connection with the flow path and being closed at its other end, and a steam inlet nozzle having a discharge end projecting through the communication opening and forming with the wall of said chamber an annular outward flow steam passage from said chamber to subject entrapped condensation in the chamber to a pressure opposing its passage through the annular passage.

2,495,398
VALVE
Victor Weber, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application November 4, 1944, Serial No. 561,878
2 Claims. (Cl. 277—24)



1. In a multiple valve, a casing having an inlet and an outlet opening, a shut-off cock rotatable in said casing and having a port adapted to be moved upon rotation of said cock into and out of registry with said inlet opening to establish on and off positions, a disc valve member adapted for reciprocation in said casing toward and away from its seat for controlling said outlet opening and being biased toward said seat, means operable for overcoming said bias and positioning said valve member relative to its seat upon movement of said cock between said positions and including yieldable means for biasing said valve member away from its seat, a rotatable element having a portion engageable with said cock and positioned in said casing by said yieldable means, and interengaging means associated with said element and said valve member and effective when said cock is moved to one of said positions for holding said valve member away from its seat.

2,495,399
ANTENNA SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application September 17, 1946, Serial No. 697,454
19 Claims. (Cl. 250—33)



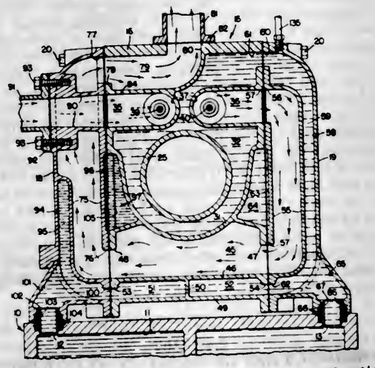
4. An antenna system comprising: a radiating conductor of helical configuration having a maximum dimension much less than one-half of the operating wave length, including a plurality of conductor turns and proportioned so that the average turn has an area substantially equal to the product of the average pitch of said turns times the operating radian length of said system; whereby said antenna system exhibits the property of radiation with substantially circular polarization.

2,495,400
CORE BIT
Edward B. Williams, Jr., Greenville, Tex.
Application June 3, 1946, Serial No. 674,076
6 Claims. (Cl. 255—72)



1. A drill bit including a body member having an end drilling face provided with a plurality of radially spaced substantially circumferential passageways interconnected by substantially radial water courses and forming a plurality of annular rows of arcuate cutters having inner and outer eccentric arcuate edges forming sides of the circumferential passageways whereby said passageways increase in capacity between the radial watercourses to accommodate progressive addition of cuttings between the radial watercourses, and said radial watercourses having outwardly diverging sides for increasing capacity from inner ends toward outer ends thereof to accommodate progressive addition of cuttings from the circumferential passageways.

2,495,401
WATER COOLING CYLINDER HEAD AND JACKET CONSTRUCTION
Wayne H. Worthington, Waterloo, Iowa, assignor to Deere Manufacturing Co., a corporation of Iowa
Application December 29, 1945, Serial No. 637,823
22 Claims. (Cl. 123—173)



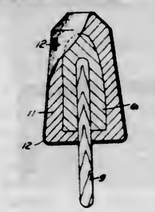
10. For use with a main compression ignition engine, a starting engine comprising a crank case and a cylinder mounted thereon, said cylinder having valve means on one side thereof and an enveloping water jacket, a water pump having inlet and discharge connections, said discharge connection communicating with said water jacket, an exhaust duct extending from said valve means and peripherally encircling said cylinder, a portion of said duct adjacent said valve means having a water jacket communicating with said cylinder jacket, another portion of said duct on the opposite side of said cylinder having a separate water jacket extending along said cylinder toward said crank case and having means at its crank case end connecting with said pump inlet connection, and a pair of inlet and outlet connections for said separate water jacket and said cylinder jacket, respectively, for connecting the same with the jacket of said main engine.

2,495,402
METHOD OF MAKING PATTERNS FOR SHEET STAMPING DIES
William J. Bentsen, San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application September 17, 1945, Serial No. 616,869
3 Claims. (Cl. 22—195)



1. In the art of die stamping and drawing sheet metal between complementary final dies the surface of one of which has a high relatively flat portion bounded by a shoulder beyond which the surface slopes steeply, the method of preparing a pattern for a preliminary die for pre-shaping a sheet to reduce thinning thereof adjacent said shoulder during shaping in said final dies, which method comprises: building up said relatively flat portion of said one final die into a rounded dome, the edge of which merges into said shoulder; forming on said domed die a flexible substantially non-stretchable sheet pattern; removing said sheet pattern from said domed die and partially flattening it to reduce its depth and increase its projected area without materially changing its absolute area; said flattened sheet pattern constituting the desired pattern.

2,495,403
METHOD OF MANUFACTURING FROZEN CONFECTIONS
Clarence L. Bernards, San Leandro, and Robert Bernards and Parley Bernards, Castro Valley, Calif., assignors to John M. Bernards & Sons, Inc., Ashland, Calif., a corporation of California
Application July 30, 1947, Serial No. 764,728
3 Claims. (Cl. 99—137)

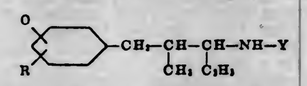


1. A method of manufacturing a frozen confection bar which comprises preparing a substantially solid core of fruit, immediately immersing said core at about room temperature in a first zone in a fluid ice cream mix, the quantity of which is equal to that to be included in the finished confection bar, said mix being maintained at a temperature below about 30° F., said ice cream mix being congealable to a solid at a lower

temperature, cooling said mix in a second zone maintained at a temperature sufficient to rapidly reduce the temperature of the mix to a point at which it is form-retaining and whereby the core is completely surrounded by the ice cream, removing the solid article thus formed from the second zone, thereafter super-cooling the article in a third zone to harden the exterior, immediately dipping the article thus produced into a fluid edible coating material to deposit a thin coat of said material over the entire exterior of the ice cream, then super-cooling the article in a fourth zone to harden the exterior, removing the confection thus formed from said fourth zone, and thereafter maintaining the confection at a temperature at which the coating material and ice cream are in frozen condition.

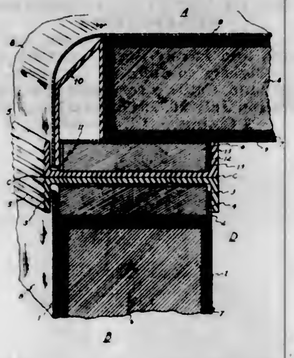
2,495,404
ALKOXYPHENYLALKYL-ALKYL AMINES
Robert Biedermann, Basel, Switzerland, assignor to J. R. Geigy A.-G., Basel, Switzerland, a Swiss firm
No Drawing. Application May 7, 1946, Serial No. 667,998. In Switzerland May 8, 1945
4 Claims. (Cl. 260—570.8)

1. An araliphatic amine of the formula



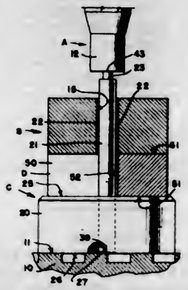
wherein R represents a substituent selected from the group consisting of hydrogen, chlorine and methoxy, X signifies an alkyl radical containing 1 to 6 carbon atoms, and Y stands for an alkyl radical containing 1 to 4 carbon atoms.

2,495,405
REFRIGERATOR CONSTRUCTION
Robert H. Bishop, Champaign, Ill.
Application June 14, 1945, Serial No. 599,413
1 Claim. (Cl. 220—9)



In a receptacle having insulated walls and a door, a wall construction comprising a pair of spaced metal plates terminating in free edges in a common plane, insulating material between said plates, a sheet metal breaker strip of U-shape in cross-section having its legs secured in sealing engagement to said plates with the ends of said legs substantially flush with said free edges of said plates and hermetically sealing the space between said plates, the portion of said breaker strip which connects the legs being spaced inwardly from the free edges of such plates to form a recess between the edges of said plates, resilient insulating material disposed in said recess and projecting beyond the free edges of said plates to form a cushion for the door of the receptacle, and a resilient, elastic, generally U-shaped cushion covering disposed over said resilient insulating material and over the edges of said plates to conceal said resilient insulating material and the free edges of said plates, said elastic U-shaped cushion covering forming the abutting surface for the door.

2,495,406
DIAMETER GAUGE FOR SMALL BORES
Harold K. Buscher and Orpheus Z. Whitenack, Indianapolis, Ind.
Application July 1, 1948, Serial No. 36,468
2 Claims. (Cl. 33—178)



2. In an internal diameter gauge for association with the spindle of a comparator, a base, an elongated slender cylindrical housing extending therefrom and having the same outer diameter throughout its length, said housing being provided with a longitudinal bore and a plurality of transverse openings from said bore to the exterior of said housing, a plunger, including a portion within said bore, and slidable over the face of the wall of said bore, and a portion outwardly thereof, with the portion outwardly thereof having an exposed end face constructed and arranged to be contacted by the spindle, and with the portion inwardly of said bore provided with a cam at its free end, and a plurality of reciprocable members, one in each opening and each having a like portion extending into said bore and in the path of travel of said cam, and a like portion constructed and arranged to project outwardly of said exterior of said housing upon movement of said plunger toward said base.

2,495,407
PRODUCTION OF ORGANIC FLUORINE COMPOUNDS
James Chapman, Halewood, and Robert Roberts, St. Helens, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 9, 1948, Serial No. 13,951. In Great Britain April 8, 1947
7 Claims. (Cl. 260—653)

1. A process for the production of a monofluoro derivative of a saturated aliphatic halo hydrocarbon which comprises reacting an unsaturated halo hydrocarbon having a formula selected from the group consisting of



and



wherein R_1 is a radical selected from the group consisting of halogen of atomic weight greater than fluorine and alkyl of up to three carbon atoms halogenated with a halogen of atomic weight greater than fluorine, R_2 is a halogen radical of atomic weight greater than fluorine and R_3 is a radical selected from the group consisting of alkyl of up to three carbon atoms, halogen of atomic weight greater than fluorine and alkyl of up to three carbon atoms halogenated with a halogen of atomic weight greater than fluorine, with anhydrous hydrogen fluoride in the presence of a stannic halide as catalyst.

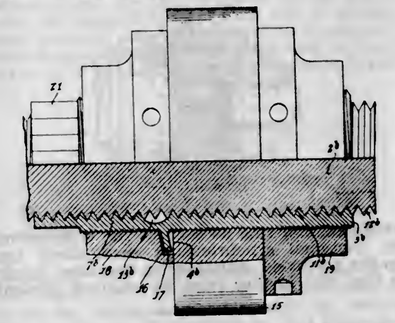
2,495,408
PUTLOG SUPPORTING CLIP
Elvind B. Christoffersen, Ogema, Wis.
Application March 12, 1948, Serial No. 14,415
2 Claims. (Cl. 304—39)



2. A putlog clip comprising a socket having an open outer end adapted to receive the end of a putlog, said clip having a lug formed integral with a portion of said socket and projecting from the opposite inner end thereof in the opposite direction to said socket and adapted to rest on the bed joint of a wall for supporting the clip thereon and with said socket portion disposed at substantially a right angle to the plane of the wall, said socket having an upturned tongue spaced from the inner end thereof and adapted to engage an edge of a platform supported by the putlog for spacing the platform from the adjacent face of the wall, and the top wall of said socket forming a support for a part of said platform for positioning the platform above the level of said lug and the bed joint of the wall engaged thereby.

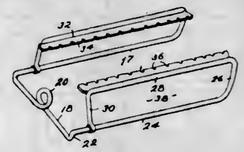
2,495,409
NUT FOR LEAD SCREWS
Francis G. Costello, Los Angeles, Calif.
Application January 19, 1945, Serial No. 573,549
4 Claims. (Cl. 287—52.07)

4. In a device for eliminating backlash between an externally threaded element and a cooperating internally threaded element, the combination of a stationary supporting collar encircling both of said elements and provided with an internal thread, an external thread on the internally threaded element engaging the internal thread formed in said collar, a flange on the internally threaded element, means including a lock element for securing said internally threaded element in threaded position relative to the said collar, an annular internal weakening groove formed in the interior of said internally threaded element between the ends thereof, means for distorting the internal threads on one side of said groove with respect to the threads on the other side of said groove, said means including a side face on the stationary collar adapted to be engaged by said flange on the internally threaded



element, and means whereby the said internally threaded element may be turned relative to the collar.

2,495,410
COTTON WASTE RETAINER FOR RAILWAY JOURNAL BOXES
Pius A. Fisher, Kansas City, Mo., and Edwin T. Shea, Kansas City, Kans.
Application September 13, 1946, Serial No. 696,758
2 Claims. (Cl. 308—89)

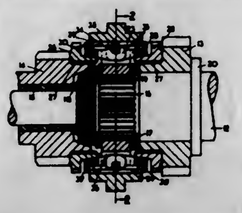


1. A waste retainer insertable horizontally in a journal box, comprising one piece of tubing bent to provide a pair of approximately rectangular side frames spaced apart and comprising a pair of lower longitudinal members, a pair of upper longitudinal members, front and rear elements connecting the longitudinal members of each frame, the lower longitudinal members extending forward a predetermined distance beyond said front elements, a resilient transverse member connecting the forward ends of the lower longitudinal extensions, and confronting bearing members secured to the upper longitudinal members and adapted to bear against a journal.

2,495,411
SYNCHROMESH CHANGE-SPEED GEARING
Edgar David Frost, Coventry, England, assignor to Humber Limited, Stoke, Coventry, England
Application September 7, 1945, Serial No. 614,842
In Great Britain September 16, 1944
4 Claims. (Cl. 192—53)

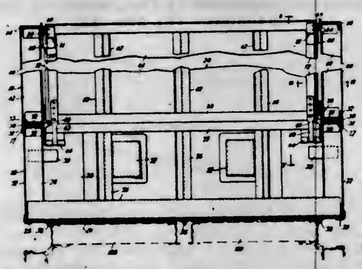
1. A synchro-mesh change-speed gearing of the kind specified, including a double-acting slidable positive clutch collar, a laterally-rigid outwardly-springing ring adapted to be engaged with and disengaged from an internal peripheral groove of the collar, baulking rings, and means respectively fast with each of the baulking rings for tying said baulking rings at a number of points to the outwardly-springing ring whereby the latter is always tied to said baulking rings so that there will be substantially no clearance or lost-

motion between them in an axial direction, the spring ring serving, on the initial movement of the collar in either direction, for forcing the se-



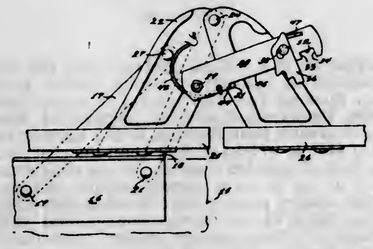
lected baulking ring at each of the tying points into frictional synchronising engagement and also for positively withdrawing the other baulking ring still further from its coacting element.

2,495,412
COLLAPSIBLE PONTOON
Arthur Gouge, Osborne, East Cowes, Isle of Wight, England, assignor to Saunders Engineering and Shipyard Limited, Fryars, Beaumaris, Anglesey, North Wales
Application November 26, 1946, Serial No. 712,386
In Great Britain December 4, 1945
5 Claims. (Cl. 114—77)



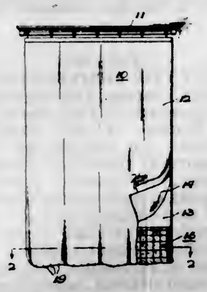
5. A metal pontoon, comprising a hollow rectangular base member having a bottom and upstanding sides and ends, folding side and end members, hinges connecting the side members to the upstanding sides of the base member, hinges connecting the end members to the upstanding ends of the base member, said folding members being movable about their hinges between a folded position and a raised position in which they constitute upward extensions of the sides and ends of the base member, locking means for securing the folding members in raised position, a plurality of sealing means for providing, in the raised position of said folding members, water-excluding joints between the lower edge of each folding member and the adjoining upper edge of the base member, each of said sealing means comprising a strip of compressible sealing material mounted in a channel on one of the two last-mentioned members and a projecting bead on the other of said latter members arranged to engage and bed into said strip when the folded member is in raised position, and further strips of compressible sealing material for providing water-excluding seals at the vertical joints between the raised folding members, said strips being carried by one opposite pair of folding members and being engaged, in the raised position of said folding members, by cooperating beads on the other pair of folding members.

2,495,413
SOFA BED HINGE
Melvin H. Harman, High Point, N. C.
Application October 26, 1948, Serial No. 56,481
6 Claims. (Cl. 5—47)



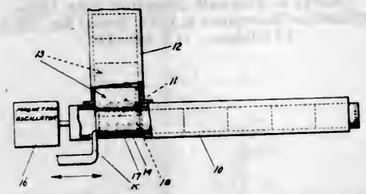
1. In a sofa bed hinge having pivotally connected back and seat hinge plates adjustable to seat, bed and intermediate positions and a latching arm pivoted to one of said plates formed with a notch to engage an abutment on the other of said plates to retain said plates in one position of adjustment about their pivot, latching arm control means comprising a pivot pin on said latching arm, a tumbler having an arcuately shaped slot formed therein supporting said tumbler on said pivot pin for longitudinal and lateral sliding movements as well as pivotal movements, and stepped releasing and locking shoulders at one end of said tumbler, said releasing shoulder being engageable by said abutment for releasing said abutment from said notch, said locking shoulder being engageable by said abutment to retain said releasing shoulder in inoperative position away from said abutment except upon pivotal movement of said plates when in said intermediate position.

2,495,414
AIR FILTER FOR ELECTRICALLY HEATED DRAPES
Lovic Pierce Herrington, Hamden, Conn., assignor, by mesne assignments, to Electric Heat Devices, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application October 6, 1948, Serial No. 53,073
5 Claims. (Cl. 219—46)



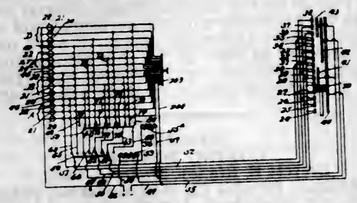
1. In a window drape, front and rear drape elements joined along their long sides and supported above and adjacent to the window, an electric heating element enclosed and supported within said drape elements, and a filter element closing the open lower end of the window drape.

2,495,415
HIGH-FREQUENCY ELECTROMAGNETIC COOKING APPARATUS
Laurence K. Marshall, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 17, 1945, Serial No. 622,735
2 Claims. (Cl. 219—47)



1. Apparatus for cooking foodstuff comprising: a source of high-frequency electromagnetic energy; a hollow wave guide, excited by said energy, for propagating the same through a confined region of space; and a container, at least a portion of which is permeable to said energy, receptive of said foodstuff; said container being movable through said wave guide, whereby said foodstuff is subjected to the heating effect of said energy.

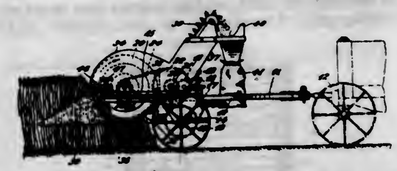
2,495,416
LIQUID LEVEL INDICATOR
Claudius R. McCauley, New Orleans, La.
Application June 7, 1945, Serial No. 598,079
5 Claims. (Cl. 177—351)



1. A telemetric system for indicating variations of a quantity or the like, comprising an indicator including a plurality of electric signals to be selectively energized to indicate changes in the quantity, means dividing the signals into selective groups with an intervening single signal between each group, means responsive to a change of range of the quantity for selecting a group of signals to be energized and including separate relay means connected to a common feeder and responsive to different voltages and means for controlling the voltages supplied to said common feeder, a feeder connected to corresponding lamps of each group, a separate feeder connected to each single lamp, and means responsive to a change of the quantity for selecting a feeder or pair of feeders to be energized to indicate the prevailing quantity.

2,495,417
GRAIN HARVESTING MACHINE
Frederic Whigham McConnel, Lipbook, and Douglas Raymond Bomford, Evesham, England
Application January 2, 1945, Serial No. 571,032
In Great Britain October 30, 1943
10 Claims. (Cl. 56—328)

1. A grain harvesting machine comprising a carriage, a number of pairs of beater members having laterally extending projections the members of which pairs are mounted to rotate together on the carriage and arranged to provide a gap between them for the reception of the ears of grain, the opposed faces of each pair of members being provided with said projections in staggered relation, gathering members projecting forwardly and clear of the beater members so as to provide



a tapering space which gathers the stalks of the crop together and guides them into the space between the beater members, means for rotating said pairs of beater members so that those parts thereof which first engage the crop are moved upwardly, and a casing disposed above the beater members and adapted to direct the upwardly thrown grain rearwardly.

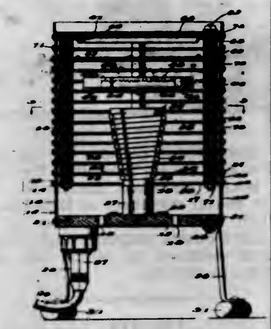
2,495,418
TRUCK BED CONSTRUCTION
Karl George Nielsen, Hughson, Calif.
Application October 13, 1947, Serial No. 779,471
13 Claims. (Cl. 280—106)

1. A bed construction for a low-bed truck including wheels on opposite sides of the bed and intermediate its ends, with the wheels projecting above said bed; the bed comprising a forward load supporting section between the wheels, a rearward load supporting section mainly rearwardly of the wheels, said sections being normally alined, and means mounting the rearward section in connection with the forward section for lateral motion to an out-of-the-way position.

2,495,419
ELECTRIC HEATER
Charles F. Peterson, New York, N. Y.
Application November 20, 1946, Serial No. 710,998
2 Claims. (Cl. 219—19)

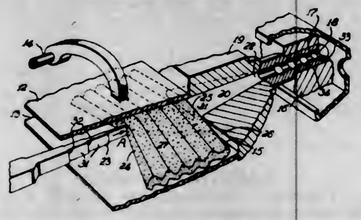
1. In an electrical heater, a cylindrical housing member, a disc formed of insulating material closing a lower end of said cylindrical housing member, an annular horizontal heat conducting fin integral with the upper end of said housing member, an electrical heater element mounted on said disc extending upwardly from a central portion thereof, said annular fin having an opening therein surrounding said heater element, an integral bead carried by the peripheral portion of the housing member at the upper end thereof, an

inverted cup-shaped housing unit including a cylindrical depending skirt seated within said bead, a horizontal annular fin integral with the housing unit, said last-mentioned fin having an opening therein surrounding said electrical heater element, an annular bead carried by the periphery of the housing unit, a series of inverted cup-shaped housing units each including a cylindrical depending skirt seated within the bead of a housing unit therebelow, a disc shaped heater



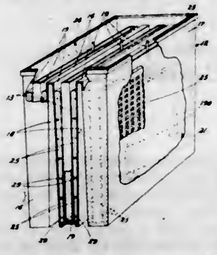
element supported on one of the housing units of said series above the first electrical heater element, a plurality of inverted cup-shaped housing units above the second heater element each including a cylindrical depending skirt seated within the bead of a housing unit therebelow, and integral horizontal annular fins carried by each of said plurality of housing units each having an opening therein with an area at least as great as the cross sectional dimensions of the second heater element.

2,495,420
APPARATUS FOR MAKING INTRAVAGINAL PACKS
Otto Popper and Gordon Kestell Melvill, Johannesburg, Transvaal, Union of South Africa; said Melvill assignor to said Popper
Original application July 11, 1944, Serial No. 544,434. Divided and this application September 26, 1945, Serial No. 618,728. In the Union of South Africa July 30, 1943
1 Claim. (Cl. 18—5)



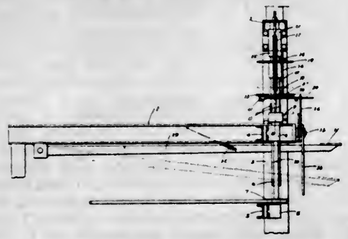
Apparatus for producing a vaginal pack from compressible absorbent sheet material, comprising a chamber defined by two parallel walls that confine a piece of such material in the direction of its thickness, a funnel at one end of the chamber with its larger end of about the same width as the spacing of the chamber walls and its smaller end circular, and a blade movable through the chamber from the open end thereof and into the funnel to press the sheet material from the chamber and through the funnel, the blade surfaces and the surface of the small end of the funnel being provided with formations to resist retraction of the pack from the small end of the funnel by retractive movement of the blade.

2,495,421
APPARATUS FOR BULK PRODUCTION OF SMALL ICE
George L. Pownall, Junction City, Ohio
Application November 3, 1943, Serial No. 508,827
16 Claims. (Cl. 62—157)



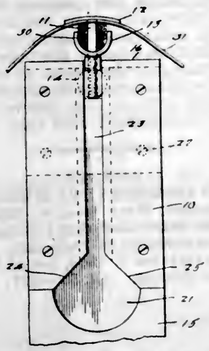
7. Apparatus for producing table size ice portions in a tank containing a circulating liquid refrigerant comprising a vertical ice can unit having spaced vertical compartments with the open tops thereof below the top of the unit and having a refrigerant flow space between the compartments, a fixed heat conducting partition extending longitudinally and centrally across each side of said compartments and dividing it into two wide thin compartments, the hollow partition having its full interior cross-sectional opening to the atmosphere at one horizontal end only, and slab like transversely apertured mold members disposed in each of the thin compartments adjacent the hollow partition and supported in said thin compartments on their bottom edges.

2,495,422
CORING DEVICE
Everett E. Rigney, Modesto, Calif.
Application October 22, 1946, Serial No. 704,859
10 Claims. (Cl. 146—52)



1. A coring device for vegetables or the like comprising a frame, a rotary coring unit journaled in the frame for rotation about an upstanding axis, a holding assembly adapted to support a vegetable initially spaced above and alined with the coring unit, the assembly including vertically spaced plates mounted in the frame for independent vertical motion, and means operative to move the upper plate downward to first engage a vegetable seated on the lower plate and to then move both plates downward, the lower plate having an opening over which the vegetable is seated and the coring unit working through said opening upon downward movement of said assembly.

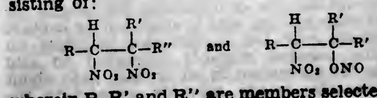
2,495,423
TENT POLE CONNECTOR
Charles A. Rogers, Waco, Tex.
Application February 28, 1947, Serial No. 731,645
2 Claims. (Cl. 135—15)



2. The combination with a tent pole and a tent, the material of which overlies the upper end of the tent pole, of a bolt vertically traversing the material of said tent overlying the upper end of the pole, said bolt comprising a head bearing upon the upper side of the material of the tent, a threaded shank depending below the material of the tent, and a globular nut threaded on the lower end of said shank, said upper end of the pole having a vertical plate thereon formed with a vertically disposed keyhole slot terminating at its upper end in a laterally offset recess, said globular nut being passed upwardly behind said plate from the lower end thereof with said shank in said slot to a position in said laterally offset recess whereby the portion of the material of the tent overlying the upper end of the pole is removably secured to the upper end of the pole, said portion of the material of the tent having a rope secured to the underside thereof with said bolt shank passing through the rope, and a semi-cylindrical cross section washer mounted movably along said shank and embracing the lower part of said rope, said nut being threaded upwardly on said shank and bearing against the lower side of said washer whereby said rope is clamped between said washer and the underside of the material of the tent beneath said bolt head.

2,495,424
PRODUCTION OF NITRO OLEFINS
Charles William Scaife, Norton-on-Tees, England, and Harold Baldock, deceased, late of Norton-on-Tees, England, by Herbert Baldock, legal representative, Hoylake, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 22, 1945, Serial No. 623,848. In Great Britain November 27, 1944
6 Claims. (Cl. 260—644)

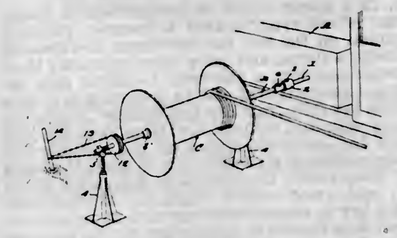
1. A process for the production of nitro olefines which comprises reacting a saturated aliphatic nitro hydrocarbon of 2 to 8 carbon atoms having the formula selected from the group consisting of:



and

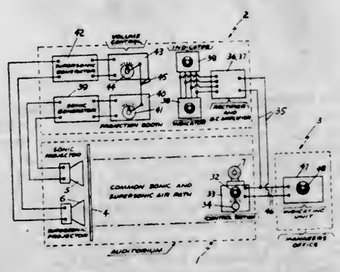
wherein R, R' and R'' are members selected from the group consisting of hydrogen and alkyl radicals, with a basic substance selected from the group consisting of ammonia and urea under substantially anhydrous conditions in the presence of an inert organic solvent for said nitro hydrocarbon.

2,495,425
POWER-DRIVEN CABLE WINDING DEVICE
Aage V. Schultz and Thomas H. Tomlonson, La Porte, Ind.
Application August 7, 1947, Serial No. 767,088
2 Claims. (Cl. 254—186)



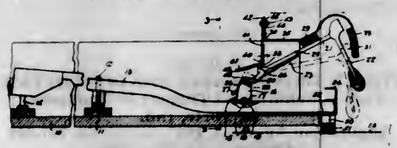
1. A cable winding and reeling device for attachment to the power take-off shaft of a power device, a supporting shaft, a stationary cone mounted on the shaft, an auxiliary adjustable cone mounted on the shaft, a cable drum mounted on the shaft resting on the cones, a flexible connecting member between the drum and one of said cones, transmitting movement of the shaft to the drum when the shaft rotates, portable adjustable bearing members supporting the shaft and in which the shaft rotates winding a cable on the drum, and means for securing the supporting shaft to the power take-off shaft.

2,495,426
SOUND CONTROL SYSTEM
Henry Schwartzberg, Brookline, Mass.
Application November 26, 1946, Serial No. 712,431
11 Claims. (Cl. 179—1)



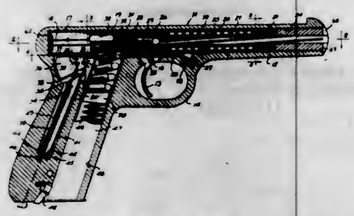
1. A sound control system comprising an auditorium, means for projecting supersonic compressional wave energy into said auditorium in a direction to be subjected to the same attenuating factors as those affecting audible sound supplied to said auditorium, and supersonic compressional wave energy responsive means for producing a control current in response to the intensity of said supersonic compressional wave energy and located at an auditorium station to intercept said supersonic compressional wave energy after it has been subjected to said attenuating factors.

2,495,427
PIANO
Sidney C. Shill, Los Angeles, Calif.
Application September 7, 1948, Serial No. 47,959
9 Claims. (Cl. 84—238)



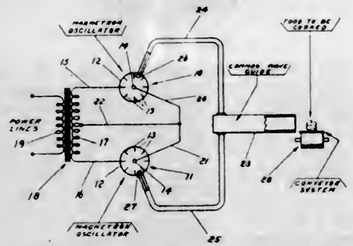
1. In a piano action of the horizontal, down-strike let-off type, a key; a hammer pivotally mounted on the key for movement downwardly to strike a string, and being urged upwardly to an extreme position; a generally L-shaped jack defining a resilient arm and an actuating arm projecting laterally from one end thereof; means coacting with said resilient arm to support the jack above the hammer; means on the hammer coacting with said actuating arm to move the hammer downwardly in response to depression of the key; and let-off means responsive to depression of the key to engage said jack and move said resilient arm thereof in a direction for the last said means to be cleared from the actuating arm when the hammer reaches a predetermined position in its downward movement, so as to prevent blocking of the hammer on the string.

2,495,428
SEMIAUTOMATIC PISTOL WITH BLOWBACK BREECHBLOCK
Ernest J. Simonson and Joan Carter Simonson, Muskegon, Mich.
Application June 4, 1948, Serial No. 31,177
3 Claims. (Cl. 89—195)



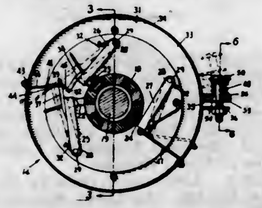
1. In a semi-automatic pistol comprising a pistol body having a hollow grip portion, a slidable breech block with a firing pin extending movably therethrough, and a trigger pivoted at one portion thereof in the pistol body, the combination of a hammer extending rearwardly in cocked position and pivoted at the forward end thereof in said pistol body below the level of the breech block and having a notch in the forward end thereof, the hammer being rotatable upwardly into striking contact with the rear end of said pin, a sear bar pivotally mounted in the grip portion and extending upward forwardly adjacent the hammer, resilient means biasing the upper end of the sear bar rearwardly into engagement with the notch on the hammer to cock the latter and simultaneously acting on said hammer to bias the hammer upwardly, a rod member in the pistol body pivotally connected to the trigger eccentrically of the pivot mounting thereof and having a rear depending hook portion extending about but out of contact with the pivot mounting of the hammer and movable forwardly into engagement with said sear bar in response to operative rotation of said trigger and thereby effective to release the sear bar from the notch on said hammer and allow the latter to rotate upwardly and strike the firing pin under the bias of said resilient means, the hammer being engageable by said breech block as the latter is moved rearwardly to rotate said hammer downwardly to the cocked position wherein the upper end of said sear bar engages in the notch of said hammer, and further resilient means biasing the rod member rearwardly with its rear depending hook out of operative engagement with said sear bar.

2,495,429
METHOD OF TREATING FOODSTUFFS
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 8, 1945, Serial No. 620,919
6 Claims. (Cl. 99—217)



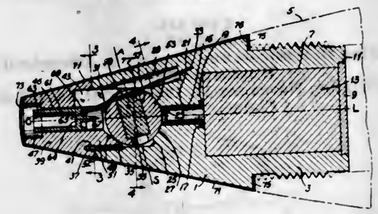
1. In the method of treating foodstuffs, those steps which include: generating electromagnetic wave energy of a wavelength falling in the microwave region of the electromagnetic spectrum; concentrating and guiding said wave energy within a restricted region of space and exposing the foodstuff to be treated to the energy so generated for a period of time sufficient to cook the same to a predetermined degree.

2,495,430
BRUSH MOVING DEVICE FOR GENERATORS
Clark E. Stroburg, Blockton, Iowa
Application April 29, 1948, Serial No. 23,970
4 Claims. (Cl. 171—324)



1. In a generator including a housing for an armature having a commutator and a pair of supports for commutator brushes mounted within said housing for pivotal movement in opposite directions away from said commutator and yieldably biased toward the commutator to hold said brushes against the commutator, the means for concurrently moving said brushes out of contact engagement with the commutator including an actuating member movably supported on said housing for movement in an arcuate path about said supports, means movably connecting together the free ends of said brush supports such that one of said brush supports is pivotally moved away from said commutator in response to the pivotal movement of the other of said brush supports away from said commutator, and a connecting member connected between said actuating member and said other brush support to provide for the pivotal movement of said other brush support away from said commutator in response to the movement of said actuating member in one direction.

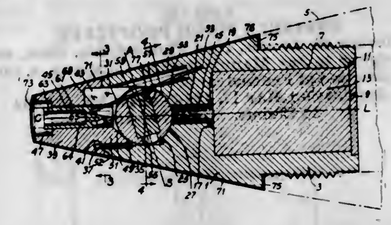
2,495,431
FUSE
Parke H. Thompson, Kirkwood, Mo., assignor to Amp Corporation, St. Louis, Mo., a corporation of Missouri
Application May 27, 1944, Serial No. 537,563
1 Claim. (Cl. 102—70)



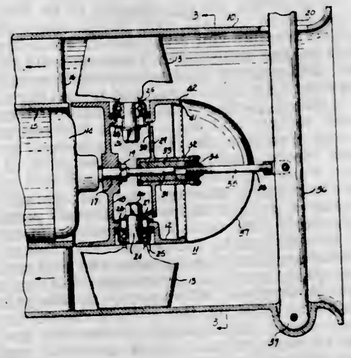
A fuze for a shell, the latter having an internally threaded front end surrounded by a front end seat, said fuze comprising a body including threads for attachment to the threaded shell, said body having a rearwardly directed seat facing said front end seat upon threading, a nose, said body having a forward recess for telescopic reception of a rearward extension from said nose, the outsides of the body and nose being formed as a continuous forwardly tapered surface, a one-piece forwardly tapered sheet metal hollow shield cup, the inside of which is adapted to contact substantially throughout said tapered surfaces of the body and nose, and an inwardly directed flange on said shield cup fulcrumed to bias the shield cup back upon the body and nose when the shell and body are threaded together so as permanently to hold these together regardless of the character of the telescopic fit and whereby the contents of the fuze are hermetically sealed.

2,495,432
FUSE
Parke H. Thompson, Kirkwood, Mo., assignor to Amp Corporation, St. Louis, Mo., a corporation of Missouri
Original application May 27, 1944, Serial No. 537,563. Divided and this application February 9, 1946, Serial No. 646,530
7 Claims. (Cl. 102—79)

1. A fuze for projectiles comprising means constructed around a center line providing an axial opening having a rearward peripheral seat, a sphere in said opening having a diametral passage extending therethrough and a notch at the end of said passage, said passage and notch being symmetrically related with respect to an axis of the sphere, said axis in an unarmed condition of the fuze being positioned at an angle with respect to said center line, said sphere being rotary on said seat in response to rotation of the fuze on said center line whereby said axis of symmetry will tend to become coincident with said center line, a movable cantilever spring anchored in said fuze and having a normal position in which its movable portion extends through said notch and holds the sphere in an unarmed position, said spring being centrifugally movable out of the notch upon rotation of the fuze around said center line, a firing pin axially movable in the part of the recess on the side of said sphere opposite to the seat, and latch means operative between the rear end of said firing pin and the forward end of said spring and adapted to hold the spring in the notch.



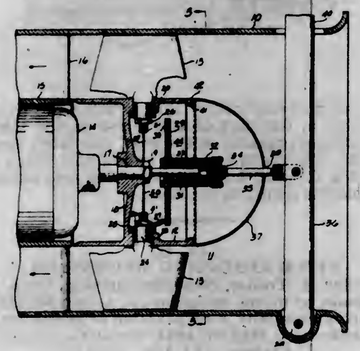
2,495,433
PITCH ADJUSTING MECHANISM
Theodor H. Troller, New Philadelphia, Ohio, assignor, by mesne assignments, to Joy Manufacturing Company, a corporation of Pennsylvania
Application May 27, 1944, Serial No. 537,567
2 Claims. (Cl. 170—160.46)



1. A variable pitch propeller comprising a rotatably supported body having antifriction devices arranged thereon at points spaced circumferentially about the same and blades rotatably supported by said antifriction devices for turning on axes extending radially of said body but fixed against movement in either direction longitudinally of such axes, said blades so formed that the action of centrifugal force and of the air thereon as said body rotates produce a resultant torque sufficient to turn said blades on said axes, arms fixed with respect to each of said blades and projecting at least generally radially with respect to said axes, and arm angle controlling means including a member supported in coaxial relation with said body for rotation relative to the latter and for movement towards and from the latter along its axis of rotation, and having an annular surface on one face thereof with which said arms are frictionally engageable whereby changes in

position of said member along a line including its axis of rotation, through the action of said surface on said arms, may change the angle of said blades to said body.

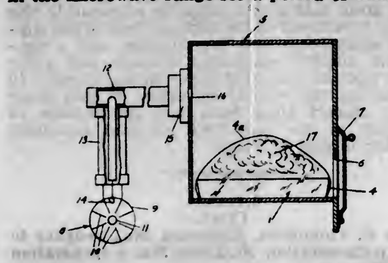
2,495,434
VARIABLE FITCH PROPELLER
Theodor H. Troller, New Philadelphia, Ohio, assignor to Jay Manufacturing Company, a corporation of Pennsylvania
Application May 17, 1946, Serial No. 670,494
13 Claims. (Cl. 170—160.4)



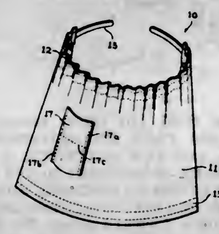
1. In a rotary device adapted to be mounted on the end of a shaft, said device comprising a rotating annular rim and radially extending securing means securing said annular rim to said shaft, said rim provided with sockets spaced circumferentially thereabout, and blades each having a shank portion rotatively mounted in one of said sockets and each having holding means thereon inward of its respective socket, an improved mechanism for varying the pitch of said blades while the rate of rotation of said rotary device continues uniform and for maintaining said blades in their different adjusted positions, which mechanism includes connection means on each of said shanks, interconnecting means disposed internally of the annular rim and extending inwardly from and interconnecting said connection means, said interconnecting means being twistable to allow rotation of said shanks in said sockets, blade pitch-adjusting elements one secured to each of said shank portions, unitary means cooperating with said several elements and movable in one direction, longitudinal of the axis of rotation of said device, to move said elements to change the blade pitch and concurrently to increase the twisting of said interconnecting means, and means for moving said unitary means longitudinally of the axis of rotation of said device in said direction.

2,495,435
METHOD OF TREATING FOODSTUFFS
Arthur E. Welch, Weston, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 14, 1947, Serial No. 722,052
4 Claims. (Cl. 99—221)

1. In the method of treating foodstuffs, those steps which include: enclosing the foodstuffs to be treated in a wrapper transparent to electromagnetic wave energy; and exposing the enclosed foodstuff to electromagnetic wave energy in the microwave range for a period of time sufficient to heat the same to a predetermined degree.

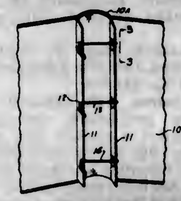


2,495,436
APRON
Marion D. Westcott and Frances D. Armentrout, Washington, D. C.
Application November 17, 1947, Serial No. 786,368
4 Claims. (Cl. 2—48)



4. An apron, comprising, in combination, a garment-protective portion capable of being spread out to substantially flat form free of gathering and including hems on opposite sides thereof, said sides being provided with passages, and a clip for supporting said garment-protective portion gathered to the waist of the wearer in any one of said passages selected, leaving the opposite hem hanging relatively free of gathering.

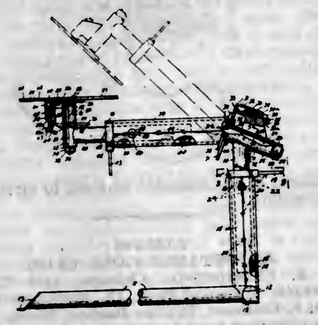
2,495,437
MAGAZINE BINDER
Herman T. Arends, Highland Park, Mich.
Application March 13, 1947, Serial No. 734,481
2 Claims. (Cl. 129—23)



2. In a paper binder having a cover with binding strips secured at the sides of the back cover portion, a paper securing element consisting of a piano wire shank having at one end a head and at the other end a portion bent at right angles, said portion being again bent at right angles to the plane of the before mentioned parts and back upon itself to provide a spring clip,

said wire element being adapted to traverse both of said strips and be fixed to one strip by means of said clip, and a slotted plate adapted to cooperate with said head to prevent retraction from the other strip.

2,495,438
WORK MANIPULATOR
Harold P. Bentley and Ralph P. La Vonier, Syracuse, N. Y., assignors to Bentley Weldery, Inc., Syracuse, N. Y., a corporation of New York
Application May 29, 1946, Serial No. 673,049
3 Claims. (Cl. 29—288)



1. A work manipulator of the class described comprising a T-shaped ground engaging base, a vertical pedestal having telescopically interfitted sections all of which are incapable of relative turning movement while interfitted and the lower one of which is fixed at its lower end to the base at the junction of the stem and cross members of the base, means for releasably holding the pedestal sections variably longitudinally adjusted, a spindle bearing fixed to and extending across the upper end of the upper section of said pedestal, a spindle journaled in said bearing with the spindle inclined at an angle of 22½ degrees to the ground engaging plane of the base and lying in a common vertical plane with the stem portion of the base with the higher end of the spindle over said stem portion, a straight arm having telescopically interfitted sections all of which are incapable of relative turning movement while interfitted and one of which at one end of said arm is fixed to the higher end of said inclined spindle, means for releasably holding the arm sections variably longitudinally adjusted, a second spindle bearing fixed to the other end section of said arm, a second spindle journaled in said second spindle bearing with the spindle normal to said arm, and a work holder held to one end of the second spindle to rotate therewith about the axis thereof in a plane normal to said second spindle, said arm extending at such an angle to the first spindle that the axes of the two spindles intersect at an angle of 67½ degrees throughout the range of longitudinal extension of said arm and at points which recede from said second spindle in response to extension of said arm.

2,495,439
SIDE WALL SAMPLE TAKER
Neville B. Brinkle, Houston, Tex.
Application August 8, 1945, Serial No. 609,610
3 Claims. (Cl. 255—1.5)

1. A core sample taking [illegible] an anchor bearing [illegible] with the [illegible] there-in, a deflector connected to the anchor and downwardly movable relative thereto, said deflector and anchor being provided one with a diagonal slot and the other with a cross pin movable in the slot and forming means for moving the deflector laterally relative to the anchor, and adjacent one side of the bore, upon such down-



ward movement, a core forming tool containing a sample chamber and having a universal connection with the deflector and arranged to be deflected by said deflector into said side of the bore and means having a universal connection with the tool for rotating said tool to form a core from said side wall.

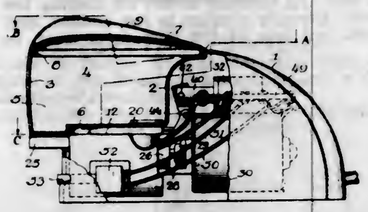
2,495,440
DICHLOROACETIC ACID PURIFICATION
Edgar C. Britton and Luther F. Berhenke, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application April 8, 1946, Serial No. 660,425
2 Claims. (Cl. 260—539)

1. The method of recovering dichloroacetic acid in a high degree of purity from crude dichloroacetic acid which comprises heating the crude acid with at least an equivalent quantity of a lower aliphatic alcohol for a time sufficient to convert the acids present therein to the corresponding esters, drying the esterification product and rectifying the dry material to separate substantially pure dichloroacetic acid ester, heating the ester with a stoichiometric excess of water in the absence of catalyst and at the boiling point for a time sufficient to effect hydrolysis of the ester while removing the alcohol thus liberated as fast as it forms, thereby producing an aqueous solution of dichloroacetic acid substantially free of the impurities present in the crude acid, and rectifying the aqueous solution to separate dichloroacetic acid in purified form.

2,495,441
LATHER PRODUCING MACHINE
Albert B. Campbell, Chicago, Ill., assignor to Campbell Products Co., a corporation of Illinois
Application June 5, 1946, Serial No. 674,464
9 Claims. (Cl. 259—10)

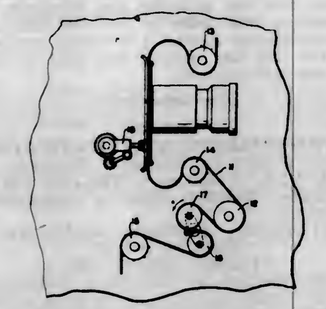
1. A lather producing machine comprising, a liquid soap receptacle, a lathering chamber below said receptacle, said receptacle and chamber having a passageway therebetween, a spring-pressed ball valve for opening and closing said valve, a motor, a motor-operated screw rotatably

mounted in said chamber, and a solenoid connected to be energized and deenergized simultaneously with the energization and deenergiza-



tion of the motor, and which solenoid when energized automatically opens said valve and when deenergized permits the same to close under spring action.

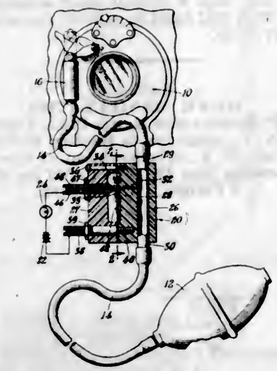
2,495,442
FILM TRANSMISSION MECHANISM
Don Canady, Cleveland, Ohio
Application May 21, 1945, Serial No. 594,977
1 Claim. (Cl. 271—2.3)



A transmission mechanism for a sound carrying member, a sound drum, feed rollers on each side of said sound drum, a pair of rollers interposed between said sound drum and one of said feed rollers, a pivoted arm carrying said rollers, a flexible synthetic rubber member extending from said arm, a stop, said last named member bearing against said stop for normally urging said pair of rollers in a direction to maintain a tension on the sound carrying member over the sound drum between said feed rollers.

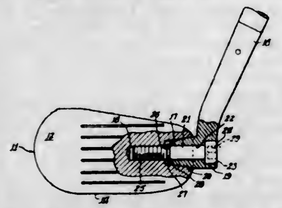
2,495,443
SWITCH FOR FLASH ATTACHMENTS
Joseph P. Castellano, Brooklyn, N. Y., assignor to Norman Nelson Corp., New York, N. Y., a corporation of New York
Application November 25, 1947, Serial No 787,905
4 Claims. (Cl. 200—81.9)

1. In a shutter synchronizing switch for photographic flash lamps, the combination of a passageway subject to increased fluid pressure when the shutter is to be opened, a restricted duct communicating with said passageway, a switch contact and a movable contact engageable with the first contact to close a circuit, the movable contact being normally in open circuit position and urged to close said duct, said switch contact being formed with a bleed duct to be closed by



movement of the movable contact to circuit closing position.

2,495,444
ADJUSTABLE GOLF CLUB
Paul A. Chamberlain, Chicago, and Clarence Navratil, Elmwood Park, Ill., assignors to Willard E. Romoser, Benton Harbor, Mich.
Application April 1, 1948, Serial No. 18,346
3 Claims. (Cl. 273—79)



1. An adjustable golf club, comprising, in combination, a blade, a shaft therefor, a conoidal recess in the blade, a conoidal hub on the shaft selectively received in said recess, a screw passing through said hub and said recess and threadedly received in a threaded extension of said recess for clamping the hub and blade together, and a collar on said screw adjacent the inner end of said hub arranged to abut the hub when the screw is released to free the hub from the recess.

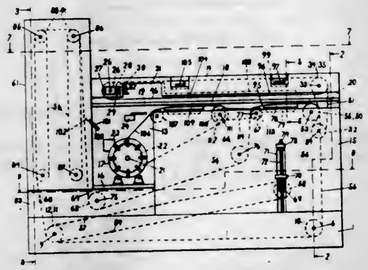
2,495,445
DOUBLE PISTON VALVELESS PUMP OR ENGINE
William F. Crenshaw, Lafayette, La.
Application January 12, 1946, Serial No. 640,936
1 Claim. (Cl. 103—163)



An apparatus of the class described, comprising a one-piece cylinder having end walls closing the ends thereof and diametrically opposite inlet

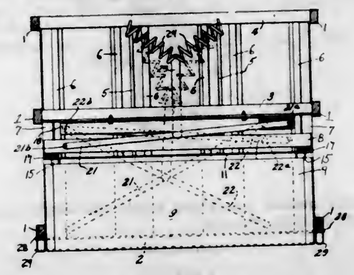
and outlet ports midway of the ends thereof, an outer piston slidable within said cylinder parallel to the longitudinal axis of said cylinder and formed with a bore extending at right angles to the longitudinal axis of said cylinder, an inner piston slidable within the bore of said outer piston and formed with a bore extending at right angles to the bore of said outer piston, said outer piston being formed at its ends with ports concentric with the longitudinal axis of said cylinder and in communication with complementary ports in the adjacent sides of said inner piston, said inner piston being formed at its ends with ports concentric with the axis of said bore of said outer piston, said inlet and outlet ports being in communication with the bore of said inner piston through openings formed in the sides of said outer piston at right angles to its bore, a shaft rotatively extended through one side wall of said cylinder midway of its ends, through said openings of said outer piston, through the bore of said inner piston and having its inner end rotatively supported within a recess formed in the inner face of the diametrically opposite wall of said cylinder, a cylindrical eccentric formed on said shaft within the bore of said inner piston for reciprocating said inner piston within the bore of said outer piston and for reciprocating said outer piston within said cylinder when said shaft is rotated, diametrically opposite ports formed in said eccentric for successively communicating with said side ports and said end ports of said inner piston as the eccentric rotates within said inner piston, and ports extending in opposite directions from the ports of said eccentric and extended through the opposite ends of said eccentric and communicating with the bore of said inner piston.

2,495,446
BUTTON DIPPING AND DRYING MACHINE
Bernard C. Eisenberg, Brooklyn, N. Y.
Application February 26, 1948, Serial No. 11,269
2 Claims. (Cl. 91—46)



1. A button dipping machine comprising a receptable adapted to be filled with a button treating liquid, a flexible element extending and movable along a circularly returning path running through said receptacle, a series of needles affixed to said element, pointing laterally with respect to said path and being adapted to pick and hold buttons, a table with a slot, another flexible element extending and movable along a circularly returning path having a portion running over said table parallel to said slot, and a series of fingers affixed to said other element and adapted to shift buttons over a slotted part of said table, said fingers having V-shaped recesses for the insertion of said buttons, the path of said first element having a portion approaching said slotted part from the lower side so that needles reach through said slot into the path of said buttons.

2,495,447
MOTOR TRUCK BODY
Charles T. Falk and Joseph M. Falk, Kansas City, Mo.
Application August 3, 1946, Serial No. 688,236
1 Claim. (Cl. 296—24)

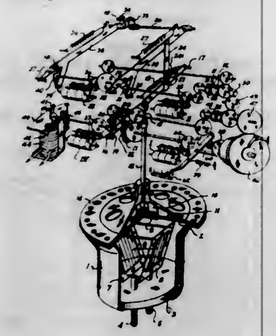


In a truck body the combination of two rows of uprights spaced longitudinally of the truck and extending transversely thereof, each row comprising a plurality of uprights, a plurality of pairs of vertically spaced door guides, one guide of each pair being carried by one row of each row of uprights with each pair of guides in the same horizontal plane, a door for each pair of guides adapted to move from vertical closed position to horizontal open position and guided and supported by said guides in its open position, a pair of equalizer bars, one bar fixed to the uprights and the other bar being hingedly connected to the door, lazy-tong straps connecting said bars, one corresponding end of the lazy-tong straps being respectively pivoted on a pivot fixed to the bars and the other corresponding end of the lazy-tong straps having a pivoted connection to the bars and being shiftable longitudinally of the bars, and an ear at each end of the doors for engaging the underside of the guides when the door is in horizontal open position to hold the door against vertical movement.

2,495,448
RESPONSE COUNTER FOR TOTALIZING CURRENT SURGES OF VARYING MAGNITUDES
Paul Fehr, Zug, Switzerland, assignor to Landis & Gyr, A. G., Zug, Switzerland, a body corporate of Switzerland
Application March 27, 1945, Serial No. 585,131
In Switzerland March 27, 1944
4 Claims. (Cl. 235—92)

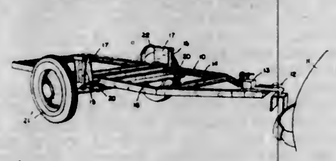
1. In a device for counting and measuring electric current impulses by utilizing a fraction of the suppressed current traversing an arrester resistance to move an element in accordance with the strength of the suppressed current, the combination of a plurality of spring loaded counters, individual escapements for each of said counters, selectively operable releasing means for the escapements, an actuator for said releasing means, said actuator being connected to each of said releasing means and simultaneously moving said releasing means to different extents in accordance with the strength of the suppressed current, one

of said releasing means operating its escapement on movement of said actuator, and another re-



leasing means operating solely on larger movements of said actuator.

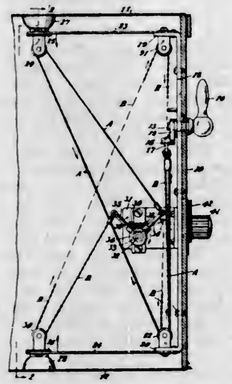
2,495,449
LATCHING MEANS FOR TRAILERS
Gerald C. Francis, Lansing, Mich.
Application July 14, 1948, Serial No. 38,693
6 Claims. (Cl. 280—44)



1. In a trailer, a trailer axle, a trailer body chassis hinged to the axle and adapted to be selectively raised and lowered, a socket carried by said body chassis, a spring member anchored to the axle and freely movable into and out of engagement with the socket when said body chassis is elevated, and latching means associated with the body chassis and spring member to temporarily secure the spring member in alignment with the socket, said latching means released when said spring member becomes engaged in the socket.

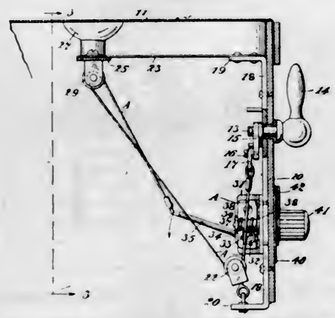
2,495,450
MUSICAL TONE MODIFIER
William D. Gladstone, New York, N. Y.
Application July 25, 1946, Serial No. 686,086
2 Claims. (Cl. 84—411)

1. A percussion musical instrument provided with means for masking overtones to any desired extent, said instrument including a shell and a pair of vibratory heads oppositely disposed relative to said shell, said means including a pair of damper elements within said instrument for each of said heads, a cross-member fixedly linking together each pair of damper elements, an elongated resilient member positioned at right angles to and connected at one end to each of said cross-members, means connecting the other ends of said resilient members to said shell, an external control mounted on said shell, and a linkage from said external control to both resilient members for simultaneously controlling whether both pairs of damper elements exert pressure upon said vibratory heads or are spaced therefrom, said linkage including idler rollers mounted on said cross members and cords on said rollers connected at one end to said external control, and another



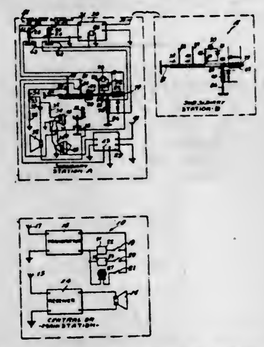
external control mounted on said shell and means linking said last control to the other ends of said cords for controlling both resilient members and the degree of pressure said damper elements exert upon said heads.

2,495,451
TONE MODIFIER FOR DRUMS
William D. Gladstone, New York, N. Y.
Application September 27, 1946, Serial No. 699,938
8 Claims. (Cl. 84—411)



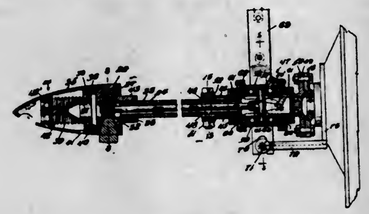
4. A percussion musical instrument comprising a side member; a vibratory batter head; a vibratory bottom head; a plurality of physically spaced tone modifiers within said instrument in association with said battery head; externally operable means adapted to resiliently abut said tone modifiers upon the inner face of said batter head and to remove them therefrom; and a second externally operable worm gear means adapted to move said tone modifiers to and from abutments upon the batter head after such abutments have been made by the first mentioned externally operable member.

2,495,452
COMMUNICATION SYSTEM
Howard G. Grove, Los Angeles, Calif., assignor of one-half to Mobile Communication Company, Long Beach, and one-half to West Coast Electronics Company, Los Angeles, Calif., both corporations of California
Application November 18, 1946, Serial No. 710,429
1 Claim. (Cl. 250—6)



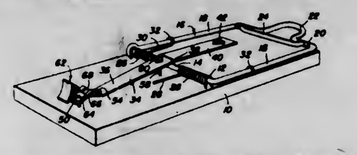
In a two way communication system in which a person at a central station calls and communicates selectively with a selected one of a plurality of persons at different subsidiary stations each of which a separate normally operative receiver is located, the steps comprising, transmitting a call from said control station to all of said subsidiary stations whereby communication may be established with said selected one, transmitting a first signal of characteristically different frequency from the frequency of said call from said central station to render all of the receivers inoperative other than the one to which communication is established, and then transmitting a second signal of characteristically different frequency from the frequency of said call and from the frequency of said first signal from said central station to render all receivers operative again after the selected communication is terminated.

2,495,453
FEATHERING PROPELLER, HUB, AND COUPLING
Algernon Sidney De Wolf Herreshoff, Bristol, R. I.
Application January 5, 1949, Serial No. 69,288
9 Claims. (Cl. 170—160.23)



1. For marine propulsion, a power shaft, a controllable pitch propeller, comprising a hub having a central axial bore receiving said shaft in a portion thereof, a plurality of threaded bores symmetrically displaced in said hub and intersecting said central axial bore, with the bore centerlines offset from that of said central axial bore, a plurality of blades with their blade spindles threaded into said bores for rotational motion about their centerlines, teeth formed in the surface of said spindles extending lengthwise thereof across said threads and a rack in said central bore engaging said teeth of the spindles and means for moving said rack axially of the power shaft to rotate the blades in their bores.

2,495,454
TRAP
Eduard Hrabal, Washington, D. C., assignor of thirty-five per cent to Rafael Domingues, Washington, D. C.
Application April 15, 1948, Serial No. 21,282
2 Claims. (Cl. 43—83.5)



1. A trap comprising an elongated base, a jaw pivotally supported at one end between opposite ends of the base, a tortion spring at the pivoted end of the jaw for moving the opposite end of the jaw toward one end of the base, a rock arm pivoted to the base between the pivoted end of the jaw and the end of the base remote from that toward which the spring moves the jaw, one end of the rock arm overhanging that portion of the base which lies between the pivoted end of the jaw and the end of the base toward which the spring moves the jaw, said rock arm including a bait hook adjacent the overhanging end thereof and a tongue having a head adjacent the pivoted end thereof, and a latch pivotally supported on the base between the pivot point of the rock arm and the adjacent end of the base, said latch being adapted to engage the jaw and hold same against movement by the spring, said latch including a releasing lever for cooperation with the head on the tongue in rocking the latch about its pivot to move the latch into jaw engaging position.

2,495,455
HAIR FASTENER
William Huppert, New York, N. Y., assignor to Kenore Products Corp., New York, N. Y., a corporation of New York
Application November 8, 1947, Serial No. 784,852
3 Claims. (Cl. 132—48)



1. In a hair fastener, a body, a tongue hinged at one end to the body, said tongue having spaced-apart resilient arms connected together at their free ends by a transverse cross-piece, and a catch at the opposite end of the body to that at which the tongue is hinged, said catch having a portion that extends substantially parallel to the body and points towards the hinged end of the tongue which portion, in closed position of the tongue, enters into the space between the tongue-arms and engages over the end cross-piece of the tongue to lock the tongue against accidental lateral or vertical displacement.

2,495,456

PURIFICATION OF MANGANESE SOLUTIONS

James H. Jacobs, Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va., a corporation of Virginia

No Drawing. Application November 13, 1944, Serial No. 563,324

4 Claims. (Cl. 204—105)

1. That method of purifying a solution of manganese and ammonium salts containing traces of nickel, copper and cobalt, preparatory to electrolysis, which is characterised by continuously delivering the solution at a pH of from about 5 to 7.5 to a closed container in the absence of air; introducing sulfide ion into the solution under pressure and in an amount sufficient to precipitate not more than about one percent of the manganese present in the solution and sufficient to convert the nickel, copper and cobalt into their sulfides; subjecting the solution to stirring action to hasten the precipitation; and continuously withdrawing and simultaneously filtering the solution to remove the precipitate.

2,495,457

METHOD OF TREATING CATHODES FOR ELECTROWINNING MANGANESE

James H. Jacobs, Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va., a corporation of Virginia

No Drawing. Application January 16, 1945, Serial No. 573,138

2 Claims. (Cl. 204—105)

1. In the method of electrowinning manganese from an alkaline electrolyte and employing stainless steel cathode plates; the step which consists in polishing and cleansing the surfaces of the cathodes; then coating the cleansed surfaces with very thin adherent films of a dilute solution of alkali silicate; removing any excess silicate which does not readily adhere to the surfaces; submerging the film-coated cathodes in the electrolyte; and depositing the metal thereon without destroying the films to facilitate removal of the metal and eliminate the necessity of buffing and polishing the cathodes when they are used again.

2,495,458

INTERPOLYMER PRODUCED FROM POLYHYDRIC ALCOHOL, POLYBASIC ACID, AND INTERPOLYMER OF VINYLAROMATIC COMPOUND WITH DRYING OIL OR ACID

Eugene W. Kanning, Edward G. Bobalek, and Edward G. Hart, Cleveland, Ohio, assignors to The Arco Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 2, 1947, Serial No. 751,960

10 Claims. (Cl. 260—45.4)

1. A non-gelled resinous interpolymer formed about 30 to 80 percent by weight of (a) a non-gelled interpolymer of a monovinylaromatic compound selected from the group consisting of styrene, vinylnaphthalene, fluorostyrene, chlorostyrene, methoxystyrene, hydroxystyrene, methylstyrene, trichloromethylstyrene, trifluoromethylstyrene, and alpha-methylstyrene with a compound selected from the group consisting of drying oils and drying oil fatty acids having a Woburn iodine number between about 133 and 274 and a Woburn diene number between about 33 and 91, said monovinylaromatic compound in polymeric form comprising from about 18 to 50 percent by weight of said interpolymer (a), the remainder being (b) a polyhydric alcohol containing as sole functional groups at least three and not more than six hydroxyl groups per molecule, and (c) a polybasic organic acid selected from the group consisting of saturated and unsaturated polybasic acids containing carboxyl groups as sole functional groups, the relative proportions of (b) and (c) being such as to render the ratio of hydroxyl groups to carboxyl groups in the starting reactants between about 1.1 and 2.0 to 1, the said interpolymer having an acid number below 30.

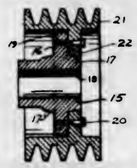
2,495,459

DEMOUNTABLE SHEAVE

David Lowell Kessler, Denver, Colo., assignor to Gates Rubber Company, Denver, Colo., a corporation of Colorado

Application June 19, 1948, Serial No. 34,070

3 Claims. (Cl. 74—230.01)



3. In a demountable sheave of the power transmission type, comprising a hub member having an axial opening for the reception of a shaft, a rim having an inwardly extending flange member adapted to axially telescope over the hub member, one of said members having a pair of frusto-conical surfaces extending in opposite directions from a plane therebetween normal to the hub axis, the surfaces intersecting at said plane, at least one frusto-conical surface on the other member engageable with one of said pair of frusto-conical surfaces, a flange surrounding the hub, the last named flange and the hub having a slot therein to permit contraction of the hub on a shaft, and means for drawing said inwardly extending flange member toward the last named flange to secure the rim to the hub and contract the hub on a shaft.

2,495,460

INERTIA MEMBER FOR RETARDING BREECHBLOCK MOVEMENT IN AUTOMATIC FIREARMS

Josef Koucký, Prague, Czechoslovakia, assignor to Zbrojovka Brno, Narodni Podnik, Prague, Czechoslovakia, a corporation of Czechoslovakia

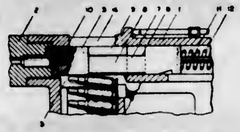
Application September 5, 1947, Serial No. 772,242

In Germany December 11, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires December 11, 1962

3 Claims. (Cl. 42—16)



1. A breech mechanism for automatic fire arms comprising in combination, a breech case, a breech block arranged in said case for reciprocation under the action of forces arising when the arm is being fired, said block being composed of

two relatively spaced end sections and a middle section of smaller cross-sectional area connecting said end sections, and a weighty body supported on said middle section for free sliding movement towards either end section and fitting between said end sections with a considerable clearance, said body interlocking with said middle section in open slot and key engagement for free insertion and removal at right angles to the breech block axis.

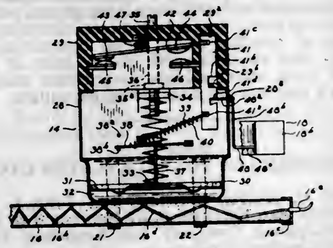
2,495,461

ELECTRIC HEATER CONTROLLER

Clarence W. Kuhn and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application December 29, 1947, Serial No. 794,236

6 Claims. (Cl. 219—37)



1. In combination, an electric heater of the tubular sheathed type having a portion of its sheath characterized by having between points spaced longitudinally thereof a temperature gradient as an incident to energization of said heater, a circuit completing and interrupting means for said heater comprising a thermally responsive control element in heat exchange relation with said sheath portion of said heater, and means for adjusting the position of said thermally responsive element along said sheath portion of said heater to utilize the temperature gradient of the latter for adjustment of control by said means.

2,495,462

PROGRAM CLOCK

Leon Y. Lassiter, Columbia, Mo.

Application October 13, 1944, Serial No. 558,573

3 Claims. (Cl. 161—2)

1. In an electric program clock of the kind referred to, a vertically elongated housing including frontal and rear housing members hingedly connected at one side to open laterally apart and to close together at their meeting margins, the two housing members being separated interiorly by means of an instrument panel mounted over the frontal side of the rear housing member, an electric clock unit mounted upwardly upon the inner side of the instrument panel and having its hour hand spindle, minute hand spindle and second hand shaft extended through the panel to the front thereof, a timing dial on the front of the panel and centered upon the said shafts which pass through the dial, a sweep second hand at the outer end of the second hand shaft, a pair of driving sprockets on the minute hand spindle inwardly of the second hand, linked program chains trained over said sprockets and depended into the base of the housing, a tubular shield in the housing for enclosing the depended ends of the chains, circuit control switches for the said drive sprockets, signal clips mounted in suitably spaced relation on the program chains and arranged to co-operate with the circuit control switches in measuring off time periods, and a source of electrical energy and suitable wiring and connections for operating the clock.



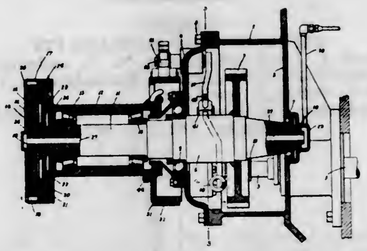
2,495,463

POWER WINCH

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

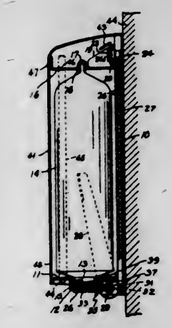
Application March 13, 1945, Serial No. 582,491

3 Claims. (Cl. 254—187)



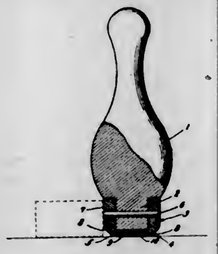
1. A winch comprising an enclosed housing, a shaft journaled in the housing and projecting exteriorly beyond one wall thereof, means to drive said shaft, a cable drum mounted for rotation on said shaft outside said housing, means to respectively clutch or declutch the drum into and out of driving relation with the shaft at a point outside the housing, a brake on the cable drum at a point outside the housing, and means enclosed within the housing and operatively connected with said brake to control the functioning thereof, such brake including a brake drum, a split brake band on the drum, a pair of opposed links, one end of each link being pivotally connected to one free end of the band, respectively, one link at its other end being pivotally mounted on the housing, a lever pivotally connected to the other end of the other link, a shaft fixed to the lever and projecting into the housing, the brake operating means within the housing being connected to the last named shaft and operable to turn the same.

2,495,464
DISPENSER FOR COLLAPSIBLE CONTAINERS
Harry Lingdell, Stratford, Conn.
Application July 19, 1946, Serial No. 684,659
8 Claims. (Cl. 222—95)



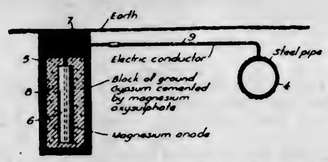
1. A dispenser for dispensing substances from a collapsible container comprising means for supporting the discharge end of the container, a follower adapted to press on the closed end of the container to force material from the discharge end, means for forcing the follower longitudinally of the container comprising a reciprocable toothed rack provided with ratchet teeth, a one way pawl carried by the follower cooperating with the rack for shifting the follower in a direction to compress the tube, a pivoted lever, and means operated by the lever to shift the rack to force the follower against the container.

2,495,465
SHUFFLEBOARD BOWLING PIN
Frank L. Lynn, Hempstead, N. Y., assignor to Shuf-L-Bowl Corporation, Hempstead, N. Y., a corporation of New York
Application December 1, 1948, Serial No. 64,685
3 Claims. (Cl. 273—127)



1. A shuffleboard bowling pin, including a main body having an integral concentric reduced cylindrical base end, a metal ring press fitted on said reduced end and provided with a straight puck receiving wall adjacent to the body of the pin and extending to near the lower end of the ring, the lower end of the ring extending beyond said base end and providing a central recess, and a circular cushioning disk fitted in the recess and having an exposed flat face exteriorly of the lower edge of the ring.

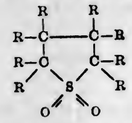
2,495,466
PACKAGED MAGNESIUM ANODE WITH CEMENTED BACKFILL
Herman H. Miller, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application July 31, 1947, Serial No. 765,048
6 Claims. (Cl. 204—197)



1. A packaged anode for use in cathodic protection systems comprising a magnesium metal anode imbedded in a self-sustaining porous mass of a granular electrolyte selected from the class consisting of alkaline earth metal hydroxides and alkali- and alkaline-earth metal salts of acids which form water-soluble magnesium salts cemented together by magnesium oxysulfate.

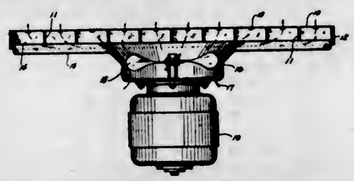
2,495,467
THIOETHERS OF POLYALKYLATED CYCLIC SULFONES
Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 7, 1946, Serial No. 639,695
4 Claims. (Cl. 260—329)

3. A compound having the structural formula



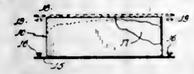
wherein at least one R on each of two of the nuclear carbon atoms is an alkyl radical, at least one R is the radical —S—R′ where R′ represents a hydrocarbon radical, and the remaining R's are selected from the group consisting of hydrogen atoms and alkyl radicals.

2,495,468
VENTILATED IRONING BOARD
Lloyd R. Mueller, Milwaukee, Wis., assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 13, 1946, Serial No. 676,374
1 Claim. (Cl. 38—104)



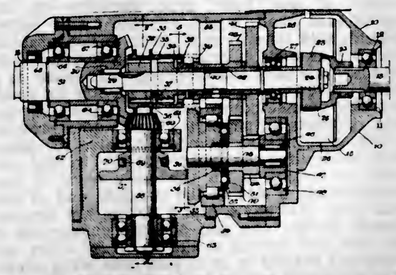
An ironing board comprising a flat metal top, a series of longitudinally extending laterally spaced top reinforcing ribs in contact with and supporting said top from therebelow, a bottom member lying flush against said ribs to form a series of air channels extending longitudinally of said board, a plurality of spaced apertures formed in said top and leading from said channels to the top of said board, a transversely extending opening in said bottom member between the ends thereof to provide a common access to all said channels, a unit secured to said opening comprising a distributing manifold positioned below and extending transversely of said bottom member and having the sides thereof secured to said opening, an air tunnel positioned below said bottom member and attached to the central part of said manifold, said tunnel having a cylindrical side portion merging into an upwardly and outwardly flaring inverted cone-shaped portion joined to said opening and said manifold, said tunnel having a circular bottom provided with intake openings, and an air moving device positioned within said air tunnel whereby air is brought in through said intake openings and directed upwardly through said air tunnel into said manifold and air channels.

2,495,469
ART OF BAKING
Ralph Le Roy Nafziger, Chicago, Ill.
Application June 16, 1944, Serial No. 540,557
1 Claim. (Cl. 107—54)



That improvement in the art of baking bread which is characterized by the steps of, selecting a predetermined quantity of dough requiring proofing for an individual loaf, placing said dough on a first support, allowing said dough to proof while uncovered and unconfined at its top but while confined at its sides and ends, placing a second support over the dough after proofing, turning the first support and dough upside down onto the second support to bring the moisture heavy bottom portion of the dough to the top, removing the said first support, and baking the dough with its moisture heavy portion uppermost and while still confined at its sides and ends.

2,495,470
VARIABLE-SPEED DRIVE
Romeo M. Nardone, Teaneck, N. J., assignor to Joseph J. Mascuch, Millburn, N. J.
Application May 23, 1946, Serial No. 671,786
1 Claim. (Cl. 74—194)



In a variable speed drive for use with a source of rotary power, an input shaft, an output shaft, a centrifugal flexible clutch coupling the source of rotary power to the said input shaft, a multi-speed transmission driven by the input shaft, said transmission terminating in a ball and cam activated drive plate, a driven ring having its edge in frictional engagement with the face of the plate, said ring being geared to the output shaft, and means comprising a knob, a rotatable worm attached to the knob, a sleeve threaded upon the worm and a yoke attached to the sleeve, said yoke engaging the driven ring so as to radially adjust said ring for any desired setting upon the face of the drive plate.

2,495,471
METHOD OF RECTIFYING HALIDE SALT BATHS
Isaac Laird Newell, Wethersfield, Conn., assignor to Heatbath Corporation, Indian Orchard, Mass., a corporation of Massachusetts
No Drawing. Application October 3, 1947, Serial No. 777,847
4 Claims. (Cl. 252—71)

1. The method of rectifying a molten halide salt bath which consists in the addition to said bath of a compound, gaseous at standard temperature and pressure, and composed of two elements, one fluorine and the other chosen from the group consisting of boron, carbon, hydrogen, and silicon, and regulating the addition of said compound to said bath in accordance with the degree to which the alkalinity of said bath becomes excessive by use.

2,495,472
PAPER SMOOTHING TOOL
William Ort, Wichita Falls, Tex.
Application November 1, 1948, Serial No. 57,672
6 Claims. (Cl. 216—61)

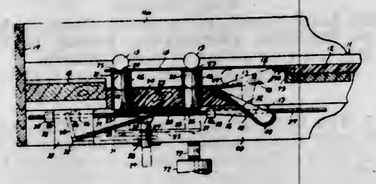


1. In an apparatus for smoothing paper a body, comprising a pair of plane surface members, which plane surface members converge at an angle on a medial line, said plane surface members being rounded to form a nose portion at one end of said medial line, and the opposite end of said medial line protruding into a tail portion, said protruding tail portion being formed from a part of said plane surfaces on either side of said medial line, gripping means formed on a side of said apparatus, resilient means forming a side of each plane surface for smoothing paper.

2,495,473
BOWLING GAME COMPRISING AUTOMATIC MEANS FOR SETTING UP AND SEPARATING THE BOWLING ELEMENTS
Elliott W. Peck, Stratford, Conn.
Application January 9, 1945, Serial No. 572,036
9 Claims. (Cl. 273—41)

2. A bowling game comprising an alley including a stationary plate at its rear end provided

with openings at the pin spotting positions, a pit at the rear of the plate, a movable assembly comprising a plurality of vertically movable plungers movable in stationary guides to spotting positions in said openings when in their upper positions, stationary mounting means for said assembly, a trough at one side of the pit comprising means for separating pin balls from larger bowling balls, said pit including an inclined bottom wall to direct the balls to said trough, a second assembly comprising a distributer, means mounting the distributer for movement between lowered and raised positions relative to the first



assembly, said distributer having a cradle forming means for aligning a plurality of pin balls, means for passing the pin balls from the trough to the aligning means, stationary guides extending from the distributer to the plungers for directing the balls in the distributer to the respective plungers when the plungers are in their lower positions and the distributer is raised, and means operable at the front end of the alley for lowering the plungers and raising the distributer relative to said stationary mounting means and then raising the plungers to spotting position and lowering the distributer.

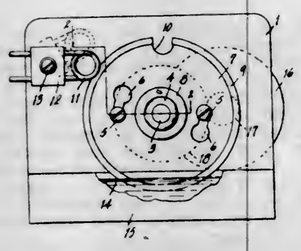
2,495,474

APPARATUS FOR INDUCTION HEATING ROTATABLY MOUNTED PISTON RINGS

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan

Application April 5, 1945, Serial No. 586,777

16 Claims. (Cl. 219—13)



1. In apparatus for hardening the peripheral cylindrical contacting edge of a split resilient ring element, a rotatable head, a disk-like chuck mounted on said head, said chuck being adapted to peripherally receive a ring element to support the same with the ring element in clamping retaining engagement with the chuck, and an induction heating coil tiltably mounted to swing in the plane of the chuck to be presented edgewise to a ring element mounted on said chuck with the peripheral edge of the ring element in spaced relation to adjacent convolutions of the coil and in overlapping relation to the periphery of the ring element.

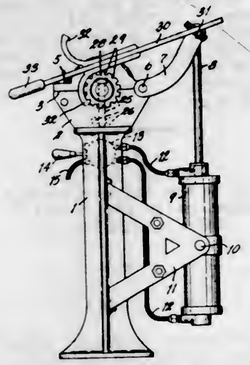
2,495,475

AIR WRENCH

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.

Application September 27, 1946, Serial No. 699,738

4 Claims. (Cl. 29—269)



1. A fixture for applying radial aligning and clamping force to a series of piston rings and for tightening and loosening a nut on an arbor extending through said rings to apply axial pressure to said rings comprising, an arbor having a hole in one end thereof and a nut threaded on the opposite end thereof, said nut having radially opening notches in the periphery thereof, a pedestal-like base, a split head on said base forming an elongated cylindrical aperture adapted to receive a multiplicity of said rings with said arbor arranged therethrough and having its two parts pivotally connected, a manually operable quick acting pivotally mounted bolt for clamping the parts of said head together, a split bushing positioned in said aperture and arranged to engage and align said rings when said head is closed, a yoke pivotally mounted on said head co-axially with the pivotal connection of said head, stop members on one end of said head, a pin adapted to be passed through said hole in said arbor to nonrotatably engage said stops, a double acting fluid pressure cylinder pivotally mounted on said base in a generally vertical position and having its piston pivotally connected to the cross piece of said yoke, conduits for supplying fluid under pressure to the ends of said cylinder, a valve for selectively controlling the delivery of fluid to said conduits, an extension on the cross piece of said yoke forming a slot at the opposite end of said head from said stops, and a double jaw spanner wrench having one end slidably engageable in said slot and having a handle on its other end projecting beyond its jaws, said jaws being adapted to selectively engage said nut on said arbor and having teeth engageable with the notches in said nut for selectively applying both right and left hand turning motion to said nut responsive to angular motion of said yoke by said cylinder.

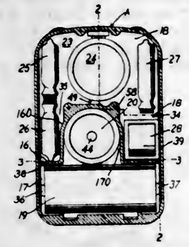
2,495,476

WEARABLE ELECTRONIC HEARING AID HAVING A UNITARY CASING FOR THE BATTERIES AND THE AMPLIFIER

Sam Posen and Harvey E. Hanson, Chicago, Ill., assignors, by mesne assignments, to Beltone Hearing Aid Co., Chicago, Ill., a corporation of Illinois

Application July 25, 1946, Serial No. 686,178

17 Claims. (Cl. 179—107)



1. In a wearable electronic hearing aid, an electron tube amplifier having midget tubes and a transformer, supply batteries for said amplifier, said amplifier and batteries being arranged in a common casing small enough to be worn in a pocket of the user, a chassis in said casing extending longitudinally of the casing over part only of the length thereof and having mounted thereon said transformer and said tubes, at least one of said supply batteries being placed between said transformer and one at least of said electron tubes.

11. An insulating battery housing having a side wall and a bottom and being open at the end which is opposite said bottom, part of the inner surface of said side wall being in the shape of a cylinder whose axis is inclined to said bottom with the exception of a portion of said inner surface adjoining the open end of said housing, which portion is undercut so as to form a surface which is part of the surface of a cylinder whose axis is perpendicular to said bottom and which intersects said inclined cylindrical surface at a distance from said bottom.

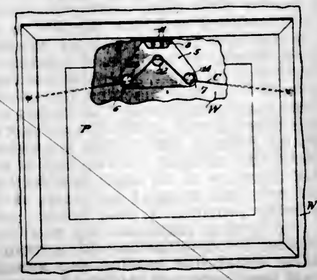
2,495,477

PICTURE HANGER

Richard G. Raitt, Elmira, N. Y.

Application November 5, 1946, Serial No. 707,932

3 Claims. (Cl. 248—32)



3. A picture hanger or the like comprising a plate of sheet-like material provided with means for attachment to a support and at least one lug struck out and projecting from within the body of the plate, said lug having its side edges directed toward said plate and defining with the plate a wedge-shaped cleft with an edge of the lug and the adjoining edge of the plate meeting at an acute angle whereby the cleft is adapted to receive and the mentioned edges are adapted to bite into a cord or wire attached to the picture, the cleft of said lug opening toward said means.

2,495,478

MINERAL OIL COMPOSITION

Horace E. Redman, Wyandotte, Mich., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application March 27, 1946, Serial No. 657,609

7 Claims. (Cl. 252—32.7)

1. A mineral oil fraction containing a minor proportion, from about 0.1 per cent to about 10 per cent, of an oil-soluble, metal salt of an acidic, phosphorus- and sulfur-containing reaction product obtained by reaction, at a temperature within the range varying between about 100° C. and about 175° C., of a phosphorus sulfide and an amine selected from the group consisting of an alkyl-nuclear-substituted primary and secondary aromatic amine and an alkyl-N-substituted secondary aromatic amine, said alkyl substituent being characterized by at least about 10 carbon atoms.

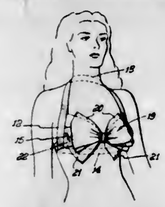
2,495,479

BRA

Lee Naeger Reger, Burbank, Calif.

Application December 1, 1945, Serial No. 632,178

4 Claims. (Cl. 2—42)



1. A bra comprising a pair of elongated, substantially rectangular wings having juxtaposed ends, said wings extending oppositely from each other, a first strap having one end secured transversely of said wings to one end of one of said wings, extending in a generally U-shaped loop to the juxtaposed end of the other wing, the other end of said strap being secured transversely of said wings to said juxtaposed end of said other wing, and a second strap extending between said wings, and secured to the juxtaposed ends of said wings substantially at right angles to said first strap.

2,495,480

AUXILIARY TRAVELING TURNTABLE DRIVE

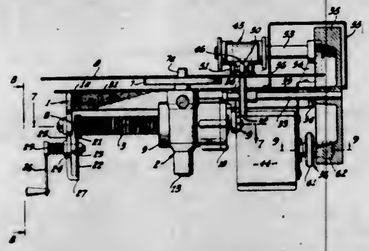
William K. Rieber, Los Angeles, Calif.

Application July 9, 1945, Serial No. 603,961

6 Claims. (Cl. 274—12)

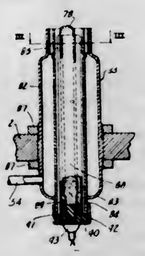
6. In a sound translating device having a sound head engageable with a rotating record, means to effect relative linear motion of said record and sound head comprising: a rotatably mounted lead member driven by said rotating record; a complementary lead member rotatably mounted and engaged with said first lead member; and means

to selectively hold said complemental lead member or rotate the same, said last means comprising a pinion mounted on said complemental lead member for rotation therewith, a gear rotatably mounted adjacent said pinion and in sliding en-



gagement therewith, a handle for rotating said gear, a detent adapted to engage said gear to hold it against rotation, and a spring normally holding said gear against said detent but permitting it to be moved out of engagement therewith for rotation by said handle.

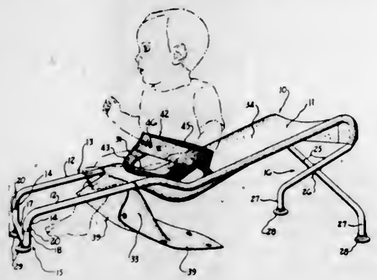
2,495,481
GAS PILOT BURNER WITH ANNULAR FLAME PORT
William L. Riehl, Marcy, N. Y., assignor to Union Fork & Hoe Company, Columbus, Ohio, a corporation of Ohio
Original application July 12, 1944, Serial No. 544,529. Divided and this application October 5, 1945, Serial No. 620,515
2 Claims. (Cl. 158—115)



1. A pilot burner comprising two generally coaxial tubular members having their ends lying substantially in a given plane to form a generally tubular outlet opening, means supplying fuel and air to the space between said tubular members, an igniter positioned within the inner of said tubular members and projecting slightly beyond the plane of their end surfaces, and a corrugated sheet metal spacer between the outlet ends of said tubular members dividing the space between them into a plurality of small outlets.

2,495,482
APPARATUS FOR HOLDING INFANTS
Pearl M. Rogatz, Milwaukee, Wis.
Application March 13, 1948, Serial No. 14,791
3 Claims. (Cl. 155—45)

2. In a device of the character described: a frame including a pair of spaced apart side rails and a leg structure at each end of the frame to hold the side rails inclined downwardly and forwardly with respect to the horizontal, each of said rails being bent medially of its ends to provide a relatively short upwardly and rearwardly inclined offset portion; a fabric panel having a length at least equal to that of said rails and having each of its side edges, from a medial point to one end thereof, secured to the medial and upper portions of one of the side rails, the section of the panel supported from the medial portions of the side rails being adapted to provide a seat for an infant having its legs between the lower portions of the side rails and the section of the panel supported by the upper portion of the side rails being adapted to provide a back

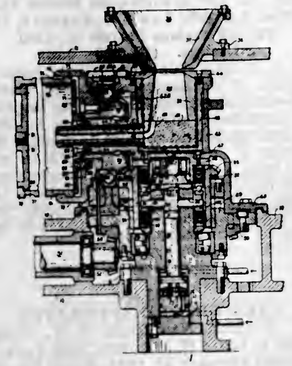


rest for an infant in a reclining position; means for readily detachably connecting the side edges of the remaining section of the fabric panel to the lower portions of said side rails when it is desired to provide a support for the extended legs of an infant reclining on the panel; and a substantially T-shaped safety belt having the medial portion of its stem member permanently secured along the longitudinal center of the seat section of said panel and having readily detachable connecting means at its free ends to enable the same to be connected together, with the stem portion of the T passing between the legs of the infant and the arms thereof embracing the waist of an infant to hold the infant on the device in either a seated or a reclining position.

2,495,483
CENTRIFUGAL CASTING APPARATUS
George A. Rubissow, New York, N. Y.
Application May 9, 1946, Serial No. 668,439
2 Claims. (Cl. 22—65)

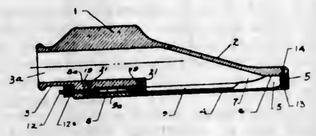
1. A known centrifugal casting machine having a non-rotating machine support, a vertical shaft, a machine frame rotatably mounted on said shaft, means to rotate said machine frame about said vertical shaft, a central main-pouring gate mounted on said machine frame coaxially with said shaft and provided at its top with an entrance opening and at its bottom part with a distributing plate, a mold casing mounted rotatably about and coaxially with an axis of rotation provided therefore at an angle to a vertical line, at least one exit channel per each said mold casing being provided in said bottom part between said central main pouring gate and said mold casing, in combination with a mold casing supporting collar like bearing cup mounted on the top of that surface of said mold-casing which is closest to said vertical shaft rigidly in respect to said frame and coaxially with said axis of rotation, a bearing means mounted on one of its bearing rings on said bearing cup by means

of a bearing-cup-holding-member, a mold casing support mounted on another bearing ring of said bearing means, an interlocking means provided on said mold casing support to interlock and to unlock said mold casing with said mold casing support, a first gear mounted rigidly on



said mold casing supporting collar like cup coaxially with said axis of rotation, a second gear mounted on said machine support coaxially with said shaft, said second gear being in mesh with said first gear, thereby when said machine frame is rotated about said vertical shaft, said mold casing is rotated about said shaft.

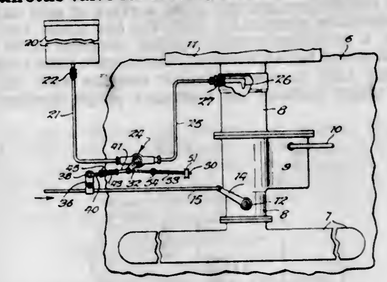
2,495,484
MOUTHPIECE FOR REED MUSICAL INSTRUMENTS
Harold L. Schemenauer, Toledo, Ohio
Application August 3, 1945, Serial No. 608,728
7 Claims. (Cl. 84—383)



7. A mouthpiece for a reed musical instrument comprising a hollow body, a beveled lip portion formed at one end of the body and having a mouth opening therein, a resilient mounting secured in the mouth opening and forming a seal therewith, a flexible lay plate resiliently seated upon said mounting, a reed secured upon said lay plate and having its tip portion contiguous with said opening and means adjustably secured within said mouth opening to vertically adjust said lay plate adjacent said mouth opening to vary the interval between the lay opening and the tip portion of said reed.

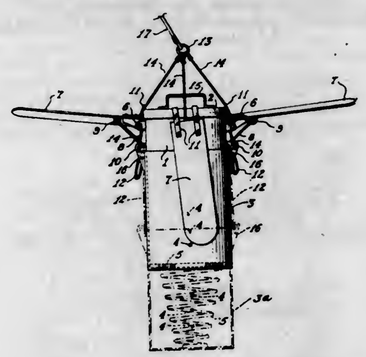
2,495,485
MEANS FOR SUPPLYING WATER TO INTERNAL-COMBUSTION ENGINES
William R. Schwindler, Needham, Mass.
Application July 31, 1946, Serial No. 687,411
2 Claims. (Cl. 123—25)

1. In an internal combustion engine having a passage for supplying air to the engine and a throttle valve in said passage, that improvement which includes a container for water, a duct leading from said container to said air passage for supplying water thereto, a valve in said duct for controlling the quantity of water supplied to said engine, a lever connected with said valve for opening and closing the same, a resilient member connected at one end with said lever and having the other end actuated by movements of said throttle valve for moving said lever in a direction



to open said water valve, a second resilient member mounted to urge said valve into closed position, and a dashpot including a cylinder and a plunger, one of which is connected with one end of said first resilient member and the other of which is connected with the other end of said first resilient member for retarding compression of said first resilient member to provide quick opening of said water valve when said throttle valve is moved quickly toward open position.

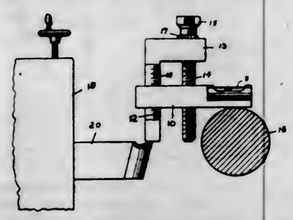
2,495,486
AERIAL DELIVERY CONTAINER
Philip H. Stevenson, Cincinnati, Ohio
Application April 18, 1945, Serial No. 589,034
5 Claims. (Cl. 244—138)



1. An aerial delivery container having in combination a plurality of vanes extending radially therefrom together with a telescoping sleeve fitted snugly to the container, ears on the sleeve, ears on the container, the ears on the sleeve fitted between the ears on the container, trip wires hooked through the ears, the trip wires adapted to hold the sleeve close up on the container, and the vanes against the side of the sleeve, both for storage, and a spring within the sleeve adapted to force the sleeve and the container apart when the trip wires are pulled from the ears.

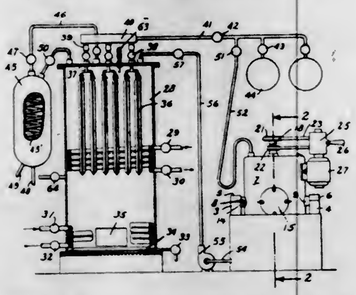
2,495,487
TOOL-LOCATING GAUGE
William A. St. Germain, Littleton, Colo.
Application July 28, 1945, Serial No. 607,629
3 Claims. (Cl. 33—185)

1. A tool-locating gauge comprising a straight bar presenting a true plane under surface engageable tangentially against and to extend laterally from the upper arc of a cylindrical work piece, a level-determining bubble tube in one end and visible through the upper surface of said bar in operative correlation with the bar under surface, a cross-sectionally-angular slideway intersecting said bar adjacent the end remote from said bubble tube in perpendicular relation with the bar under surface, an L-shaped gauge member



formed with a calibrated, cross-sectionally-angular longer leg reciprocably and non-rotatably engaged through said slideway to position the member shorter leg in spacedly-parallel, overhanging relation with the upper surface of the bar portion between the bubble tube and slideway, and manually - actuatable, micrometer - type, screw means adjustably interconnecting the member shorter leg free end and the bar midportion in parallel relation with the member longer leg.

2,495,488
DRY CLEANING MACHINE
Sidney Stribling, San Francisco, Calif.
Application August 21, 1944, Serial No. 550,356
1 Claim. (Cl. 68—18)

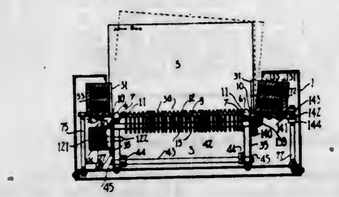


A dry cleaning machine comprising a mechanical washer having an enclosing drum; a storage tank for a cleaning fluid and discharging into said enclosing drum; a pressure sealed clarifier tank having an internal heating element; a filter in said clarifier tank and discharging into said storage tank; a condenser to receive and condense vapors from said clarifier tank and surrounded by a water jacket discharging water into said clarifier tank; and a pump connected with said washer enclosing drum and discharging into said clarifier tank.

2,495,489
PREPARATION OF N-HALO DERIVATIVES OF ORGANIC SULFONAMIDES
Eleonoor Eduard van Andel, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 30, 1947, Serial No. 764,919. In the Netherlands March 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 25, 1961
2 Claims. (Cl. 260—556)

1. In a process for converting para-toluene sulfonamide in an aqueous alkaline medium, to the N,N-dichlorosulfonamide, the improvement which comprises, dissolving the sulfonamide, sodium hydroxide and sodium carbonate in molar proportions of substantially 1:1:0.5 in sufficient water to form a substantially homogeneous solution, and introducing into the solution, at about room temperature under atmospheric pressure, substantially 2 moles of chlorine per mole of sulfonamide.

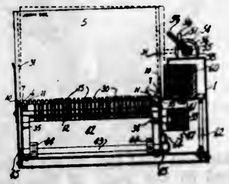
2,495,490
CARD RECORD APPARATUS
John W. Whitson, New York, N. Y., assignor of one-half to Clare H. Whitson, New York, N. Y.
Application January 18, 1944, Serial No. 518,694
19 Claims. (Cl. 129—16.1)



2. In a card record apparatus in which magnetically attractive cards having lugs formed in an edge thereof are selectively locked against movement by engaging the lugs on the cards with selectively settable selector members common to all of the cards and a card moving magnet, movable toward and away from the cards, moves cards not locked out of alignment with locked cards, the combination of means for moving the said magnet associated with means for energizing and de-energizing the said magnet, and two magnet coils in association with the said magnet, said last named means energizing both of the said coils to influence the unlocked cards to move toward the said magnet when the said magnet is moving toward the cards and de-energizing one of the said magnet coils and maintaining the other of the said magnet coils energized to influence the unlocked cards to move with the magnet when the said magnet is moving away from the locked cards.

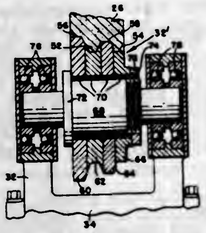
10. In a card record apparatus in which selectively operable cards having lugs formed in an edge thereof are selectively locked against movement by engaging the lugs on the cards with selectively settable selector members common to all of the cards and a common member which contacts all of the selector members and moves with selector members when selector members move into card locking relationship, the combination of means releasably holding and means for locking the said common member against movement.

2,495,491
CARD SELECTING APPARATUS
John W. Whitson, New York, N. Y., assignor of one-half to Clare H. Whitson, New York, N. Y.
Application May 20, 1944, Serial No. 536,474
2 Claims. (Cl. 129—16.1)



2. In a card selecting apparatus in which a set of magnetically attractive cards are selectively locked against movement by selectively settable selector members that are common to all of the cards and a card moving magnet adjacent an edge of the set of cards moves cards not locked out of alignment with locked cards, the combination with a system of electrical circuits, of means for opening and closing one of said circuits including a card moving magnet to move magnetically attractive cards said card selector members having a connection to said means for operating the opening and closing of said circuits.

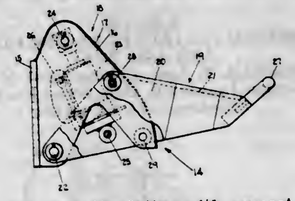
2,495,492
APPARATUS FOR CRUSH DRESSING GRINDING WHEELS
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application February 8, 1946, Serial No. 646,314
6 Claims. (Cl. 125—11)



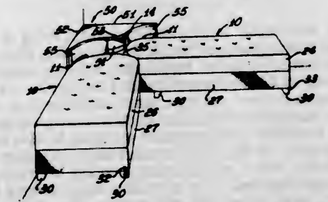
1. As a new article of manufacture, a multipart crushing roll for crush forming a grinding wheel to a predetermined contour comprising: a plurality of individual annular segments arranged side by side and each adapted for dressing a different annular part of the wheel to be formed, said segments taken as a unit having a contour complementary to that to be formed on the wheel; and means supporting the said segments in rigid axial alignment and for free rotation relative to each other.

2,495,493
TOWING HITCH FOR PORTABLE ROLLERS
Fred J. Wright, Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application October 3, 1946, Serial No. 700,970
9 Claims. (Cl. 280—33.44)

1. A hitch including a normally upright attaching plate for attaching it to a vehicle, means including said attaching plate forming a housing having upstanding laterally spaced walls, means forming a drawbar straddling said housing and mounted thereto for swinging movement, a hydraulic jack carried between the spaced walls of said housing pivoted thereto and to said drawbar for swinging the latter with respect to said housing, and locking means for locking said drawbar and housing in at least one position, said locking means including a pin adapted to be received in aligned openings formed by both said drawbar and said housing.

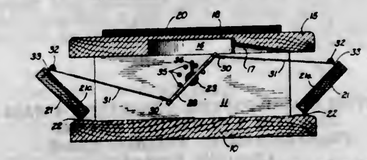


2,495,494
TWIN BED AND LOUNGE
Truman S. Ziegenfuss, Los Angeles, Calif.
Application August 1, 1947, Serial No. 765,309
9 Claims. (Cl. 5—2)



1. In an article of furniture of the class described: a table having a pair of vertical cylindrical concavities formed in a side thereof; means secured to said table adjacent a lower surface thereof, projecting beyond said table, and having a pair of vertical pivots formed therein, one positioned substantially at the center of curvature of each of said concavities; and a pair of bed units each rotatably engaged with one of said pivots for horizontal swinging motion thereabout.

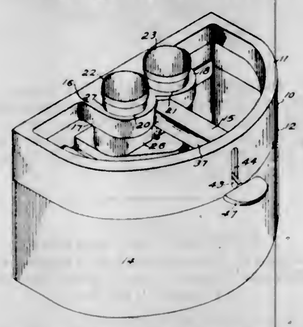
2,495,495
DRUMMER'S PRACTICE DEVICE
Henry Adler, Brooklyn, N. Y.
Application April 26, 1946, Serial No. 665,092
16 Claims (Cl. 84—411)



13. A percussion practice device adapted to produce sound effects, comprising a wooden box having a substantially unobstructed interior, opposite open ends, closed base, closed front and back side walls thereon, closed thick top wall having substantially at the mid-part a thin portion adapted when struck by a drum stick to give an audible sound effect; the opposite open ends effecting even distribution of the sound; doors

for the opposite ends of the box; and means for holding the doors open in any of several adjusted positions, to cause the device to give different sounds.

2,495,496
COMBINED CIGARETTE EXTINGUISHER AND ASH TRAY
Charles A. T. Agee, Collingswood, N. J.
Application January 6, 1945, Serial No. 571,607
7 Claims. (Cl. 131—235)



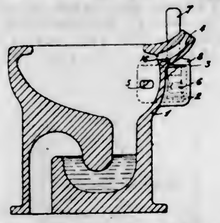
3. A cigarette extinguisher comprising a tray having a strengthening rib dividing the tray into spaced ash receiving openings, means establishing a cigarette extinguishing tube with an axis substantially normal to a plane of the rib, a slide, means for supporting the slide for guided movements in a line substantially parallel to the longitudinal axis of said rib to open and close the bottom of the tube, and means pivoted on and substantially concealed by the rib when viewed from directly overhead for actuating the slide, said pivoted means being on a pivot axis parallel to said plane.

2,495,497
METHOD OF LIQUID STABILIZATION OF NICKEL CATALYSTS
Jacob Elston Ahlberg and Clarence F. Hiskey, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application January 22, 1943, Serial No. 473,252
6 Claims. (Cl. 252—472)

6. A method of stabilizing a pyrophoric reduced nickel catalyst comprising the steps of wetting said catalyst with water to form an inert surface film thereon and exposing said wetted agent to the action of air for a sufficient time to permit at least partial evaporation of said surface film.

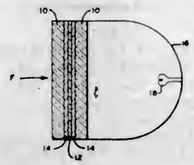
2,495,498
WATER CLOSET WITH AUXILIARY CHAMBER FOR A CLEANING BRUSH
Pierre Jean-Marie Théodore Allard, Chantilly, France
Application April 9, 1946, Serial No. 660,789
In France February 1, 1946
2 Claims. (Cl. 4—97)

1. In combination with a bowl for water closet comprising an inlet pipe adapted to discharge flush water into said bowl and an auxiliary chamber communicating with said bowl and said inlet pipe and adapted to be crossed by a part of the flush water, a broom comprising a cleaning brush for said bowl and means for supporting said broom on the upper edge of said chamber



in such a position that the brush is located in the chamber and in the path of the flushing water flowing through said chamber.

2,495,499
LIGHT FILTER TRANSMITTING INFRARED RADIATION AND OPAQUE TO VISIBLE LIGHT
William F. Amon, Jr., Boston, and Elkan R. Blout, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 5, 1946, Serial No. 652,160
3 Claims. (Cl. 88—109)



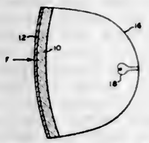
1. An optical filter substantially completely blocking all light in the visible spectrum and having high transmission in the near infrared and comprising a layer of at least one polymeric plastic from the class consisting of polyvinyl alcohol, polyvinyl acetate, polyvinyl acetal and polyvinyl butyral, said layer comprising dehydration products of said plastic having conjugated unsaturated systems of the type

$$(-CH{=}CH-)_n$$

where n is substantially greater than one, said dehydration products being distributed throughout said layer and comprising at least 20% thereof, said layer being substantially free of charred material, the opacity of said layer to visible radiation deriving essentially from the presence therein of said dehydration products.

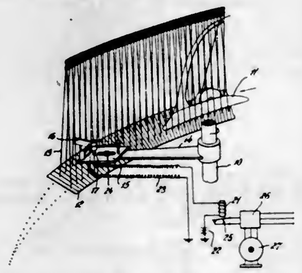
2,495,500
LIGHT FILTER OPAQUE TO VISIBLE LIGHT AND TRANSMITTING INFRARED RADIATION
William F. Amon, Jr., Boston, and Elkan R. Blout, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 7, 1946, Serial No. 652,522
3 Claims. (Cl. 88—109)

1. A light filter cutting off substantially all visual light but showing high transmission in the near infrared comprising a glass support of a water-white glass having a low iron content and showing high transmission for radiation in the spectral band between 800 and 1000 millimicrons and having a curved surface and a coating on said surface comprising a polymerized resin from the class consisting of the urea formaldehyde and melamine formaldehyde resins



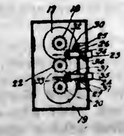
containing Acid Black G (C. I. 247) in such concentration as to block substantially all visible radiation below 700 millimicrons.

2,495,501
MEANS FOR DETECTING CAUGHT THREADS IN CIRCULAR LOOMS
Victor Marie Joseph Ancet, Lyons, France, assignor to Regina S. A., Tangiers, Morocco
Application March 18, 1948, Serial No. 15,556
In France March 31, 1947
3 Claims. (Cl. 139—352)



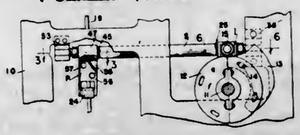
1. In a loom having driving means, means actuated by the driving means for forming the warp threads into a shed, a shuttle moved through the shed by the driving means, and means controlled by an electric circuit for stopping the loom, the combination of a mounting advanced by the driving means along the path of the shuttle and ahead of the shuttle, a contact forming part of the circuit and carried by the mounting, a detector finger movably mounted on the mounting and normally engaging successive warp threads forming one sheet of the shed, the finger being in the circuit, and a spring acting on the finger and urging it toward the contact to close the circuit, the finger being held by its engagement with the warp threads in said sheet from being moved into engagement with the contact.

2,495,502
MILEAGE REGISTER
Carl Apple, Chicago, Ill.
Application May 31, 1946, Serial No. 673,585
3 Claims. (Cl. 40—68)



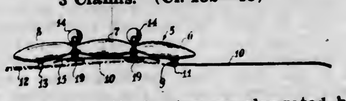
3. In a device of the class described, the combination of a casing having indicating apertures on the face thereof, a plurality of shafts journaled in said casing, each shaft carrying a plurality of independently rotatable co-axial dials and a plurality of pinions, one for each dial and rotatable therewith, a manually rotatable drive shaft having a plurality of pinions mounted thereon, said drive shaft having means for operation mounted on the outside of said casing, and a plurality of idler gears, one for each dial mounted on the back plate of said casing, spring means holding said gears from engagement with said idler gears, and movable mounting means for the idler gears whereby said idler gears may be independently moved into and out of meshing relationship with respect to the drive pinions and dial pinions.

2,495,503
LOOM PICKING MECHANISM AND SHAFT THEREFOR
Gabriel C. Beatrice, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 3, 1948, Serial No. 36,930
7 Claims. (Cl. 139—147)



1. In a picking shaft for a loom having a bearing, a gudgeon on one end of the shaft for said bearing, a screw thread on the shaft extending from the gudgeon toward the longitudinal center of the shaft, a conical member formed on the shaft, a hub member having a conical bore fitting the conical member, interengaging splines and slots on said members distributed around the axis of the shaft, the small end of the conical member being adjacent to the screw threads, a nut on the latter forcing the splines into the slots to hold said members together tightly, and a power transmitting element on the hub.

2,495,504
HAIR ORNAMENT
Siegfried Behr, Flushing, N. Y.
Application August 16, 1947, Serial No. 768,957
3 Claims. (Cl. 132—48)

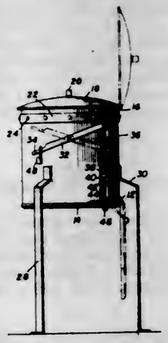


1. A hair barrette having an elongated body portion formed of three elliptical sections disposed and connected in alignment, a pin hinged to the bottom of the body portion at one end thereof for fastening the body portion to the hair and a flat bar underneath said body portion fastened midway its ends to one of said sections and having its ends free for detachably receiving and supporting a pair of earrings crosswise of the body portion, at the junctions of said elliptical sections.

2,495,505
GARBAGE RECEPTACLE
Sam Bella, Kankakee, Ill.
Application July 11, 1947, Serial No. 760,427
4 Claims. (Cl. 232—43.1)

1. A garbage receptacle comprising a casing open at both ends, a hinged bottom at one end

of said casing, a hinged cover at the opposite end of said casing, means for supporting said casing in an elevated position, a handle pivotally mounted on said casing, and link means operatively connecting said bottom to said handle for pivotal movement of said bottom relative to



said casing, said link means including an upper link pivotally secured at one end to said handle, a socket at the free end of said upper link, a lower link pivotally mounted at one end on said bottom, and a spherical member carried by the free end of said lower link for engaging said socket.

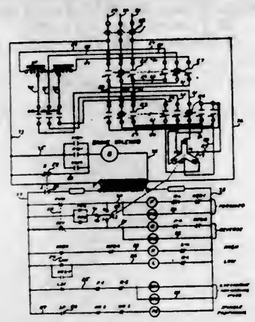
2,495,506
ICE TRAY
Michael K. Buchanan, Norfolk, Va.
Application April 23, 1946, Serial No. 664,380
7 Claims. (Cl. 62—108.5)



1. An ice tray comprising a pan and a grid, the grid comprising a pair of longitudinal members arranged beside and in contact with each other and a plurality of cross members secured to the longitudinal members, a lever at each end of the grid secured to each of the longitudinal members and having a portion adapted to engage the adjacent edge of the pan to initially raise the grid in the pan when the levers are actuated, means for moving one of the longitudinal members upwardly with respect to the other upon further actuation of the levers, and means for spreading the lower edges of the longitudinal members upon upward movement of one of them with respect to the other.

2,495,507
ELECTRIC MOTOR STOPPING CONTROL
Robert H. Clark, Solon, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application April 11, 1945, Serial No. 587,701
3 Claims. (Cl. 318—275)

1. In a machine tool, a rotatable spindle, an electric motor for rotating said spindle, a brake for stopping the movement of said motor and spindle, and control means for said motor and brake and including a control circuit, a brake controlling solenoid in said circuit and operatively connected with said brake, motor control contacts in said circuit, motor control switch means in said circuit controlling said contacts to effect energization and deenergization of said motor, a plugging switch in said circuit controlling said contacts and operatively associated with said motor for plugging the speed of said motor to a coasting speed upon deenergization thereof under the action of said motor control switch means, said motor control switch means and said plugging switch also controlling energization and deenergization of said brake controlling solenoid to effect release and application of said brake when said motor is energized or deenergized; in combination, with mechanism operatively associated with said spindle, said motor, said brake and said control means for stopping said spindle in a predetermined position; said mechanism including a control cam carried by said spindle, a movable control element adapted to cooperate with said cam and be



moved thereby in one direction, pressure means normally holding said element in an inactive position with respect to said cam, an element moving solenoid in said circuit which when energized moves said element in the opposite direction to an active position with respect to said cam, said element moving solenoid being under the control of said motor control switch means and said plugging switch to be energized upon deenergization of said motor, additional switch means in said circuit operatively associated with said element and closed thereby when said element is moved in said opposite direction by said element moving solenoid to control said brake controlling solenoid to cause release of said brake, said cam acting on said element when said spindle is coasting to move said element in said one direction against the action of said element moving solenoid to open said additional switch means to control said brake controlling solenoid to effect actuation of said brake to stop said predetermined position.

2,495,508
DETACHABLE ORNAMENTAL SPECTACLE FRAME
Katherine Cleaver, Indianapolis, Ind., assignor to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana
Application July 7, 1948, Serial No. 37,330
2 Claims. (Cl. 88—41)

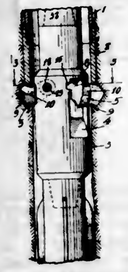
1. The combination with a spectacle including metal temples, lenses, metal lens rims and end portions, and a metal bridge the upper edge of which forms a continuous curve with the upper

edges of the lenses and lens rims, of a detachable ornamental plastic frame comprising an integral plastic front portion that has a recess extending throughout its length on its rear face beneath the top thereof, said recess receiving the metal bridge and the upper edges of the lenses and providing a top wall that overlies the top edges of the lenses and the top edge of the metal bridge and a front wall against which the lenses and metal bridge abut, the rear surfaces of the lenses being flush with the rear surface of said top wall of the front portion of the plastic frame, said front portion in-



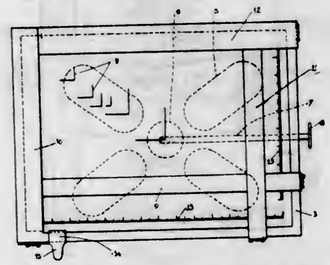
cluding rearwardly curved plastic end portions having channels that receive the adjacent end portions of the metal frame to interlock therewith, fastening devices pivoted to said end portions of the plastic frame and positionable over the lenses to hold the ornamental frame in position on the metal spectacle frame, plastic temples pivotally connected to said plastic end portions and having channels that receive the metal temples of the metal spectacle frame, and fastening devices pivoted to said plastic temples and positionable over the metal temples.

2,495,509
UNDERCUTTING DRILL
Steve E. Cressey, San Pedro, Calif.
Application October 29, 1945, Serial No. 625,224
5 Claims. (Cl. 255—76)



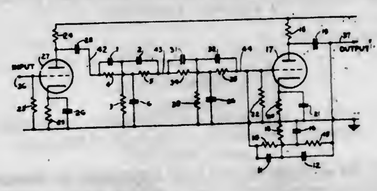
1. In an undercutting drill, the combination of a mandrel adapted to be passed down a well casing and past the shoe, said mandrel having cutter pockets in the side thereof, a cutter mounted in each pocket for rotation on an axis to swing out substantially radially from the mandrel, said pockets having slots in their side walls and each cutter having a shank fitting into the pocket, and having abutments on its sides capable of passing through the slots when the cutter is being placed in, or removed from, its pocket, each pocket having a laterally formed socket with an arcuate wall back of its slot to permit the rotation of the cutter on the said axis after the cutter has been passed inwardly into its pocket, and said arcuate wall cooperating with the abutments to take the thrust of the cutter, a plurality of springs, one spring of each corresponding to each cutter and urging the same outwardly, and means for limiting the outward swinging movement of the cuttters after they have passed below the shoe.

2,495,510
ENLARGING EASEL SUPPORTING MEANS
Henri Agénor Armand Antoine de Gramont de Guiche, Levallois-Perret, France, assignor to Optique et Precision de Levallois, Levallois-Perret, France, a company of France
Application October 18, 1946, Serial No. 703,935
In France April 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 5, 1964
4 Claims. (Cl. 88—24)



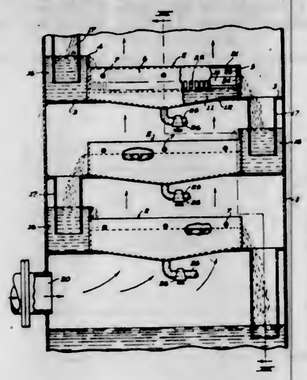
1. An easel for use with a photographic enlarger, comprising a substantially rectangular flat base member, a marginal frame disposed against one side of said base member, non-skid means secured to the other side of said base member for normal support thereof on any flat surface, a single friction caster means arranged for movement along a vertical axis in a socket-like aperture disposed substantially at the center of said base member, and a manual actuator extending substantially in the plane of said base from one edge thereof toward said caster means for operative engagement therewith, whereby said actuator upon operation thereof effects a movement of said caster means out of said aperture to cause a disengagement of said non-skid means from any supporting surface and an engagement thereby with said caster.

2,495,511
TWIN-T NETWORK AND SELECTIVE AMPLIFIER FILTER
Charles E. Dolberg, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 31, 1944, Serial No. 561,290
8 Claims. (Cl. 178—44)



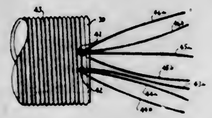
3. In an electric wave filter system, a first twin-T network adjusted to eliminate one frequency, a second twin-T network in series with said first twin-T network adjusted to eliminate a second frequency different from the first frequency and an amplifier having a feed back circuit including a third twin-T network for preventing feed back of a frequency intermediate said first and second frequencies.

2,495,512
BUBBLE TOWER
Morton I. Dorfan, Pittsburgh, Pa.
Application August 2, 1945, Serial No. 608,501
2 Claims. (Cl. 261—114)



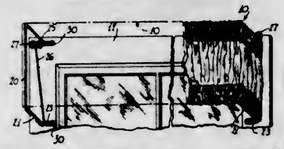
1. In a bubble tower, a plurality of trays each having a pair of laterally spaced troughs through which a liquid flows, the space between the troughs forming a passage for gas, the side walls of the troughs forming said passage having substantially parallel upper portions and substantially straight downwardly diverging lower portions, the inner surfaces of the end walls of the tray being provided with horizontal shoulders, a removable cap having end walls resting on said shoulders and having side walls extending down into the liquid in the troughs, said side walls being provided with rows of vertical slots therethrough, the top wall of the cap having a pair of transversely arched areas extending lengthwise thereof and meeting along their inner edges above the center of said passage, whereby said gas is directed by said cap down into said troughs and through said slots and liquid, each trough having a longitudinally inclined bottom provided at its lowest point with a drain opening, and a pipe connected to said opening for draining sediment from the trough.

2,495,513
ELECTRIC (INFRARED) HEATING APPLIANCE
Charles C. Doyle, Willoughby, Ohio
Application February 15, 1945, Serial No. 578,102
4 Claims. (201—63)



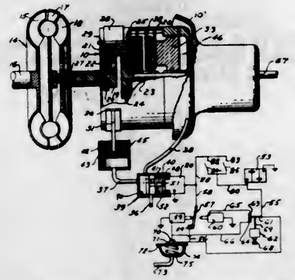
1. In an electric-heating appliance, a helically grooved cylindrical core provided with a pair of radially directed holes at one end, a resistance wire wound in said groove and passed through one of said holes, a separate length of wire looped through the same one of said holes and having its ends twisted together with a free end of said wound resistance wire and another wire looped through the other one of said core holes and having its two ends also twisted together with the three first mentioned twisted ends.

2,495,514
ADJUSTABLE CORNICE AND BRACKET
Manny Eisenberg and James E. Clements, Bronx, and Charles Druck, Long Beach, N. Y.
Application August 15, 1949, Serial No. 110,418
5 Claims. (Cl. 160—21)



2. A stretcher bracket for a cornice of the character described, said bracket having a pair of spaced vertically extending members around which a cornice band may be disposed, one of the vertical members being supported at the top and bottom by means of arms which are fastened to a window frame, the other vertical member being fastened at one end to one of said arms and being detachably hooked at its opposite end to the other of said arms.

2,495,515
TRANSMISSION CONTROL MEANS
Jerald E. Foley, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 1, 1946, Serial No. 644,681
12 Claims. (Cl. 74—472)

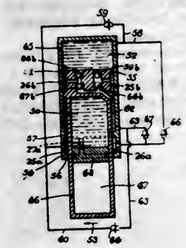


1. In a control system for selecting gear ratios in a vehicle transmission powered by an internal combustion engine having a fuel intake manifold, control devices operative to establish different gear ratios in the transmission, a pressure fluid system for actuating said control devices, a valve in said system movable to two stations for selecting fluid actuation of the control devices, means normally positioning said valve in one station, an electric system for shifting the valve to the other station when energized, a switch in said system, electromagnetic means for shifting the switch, a governor operable to control the electromagnetic means, and means responsive to pressure in the intake manifold for restraining movement of the switch in response to the governor controlled electromagnetic means.

2,495,516
SIDE LOAD RELIEVING DEVICE FOR TELESCOPIC PISTON AND CYLINDER UNITS
Sidney Foster, Leamington Spa, England
Application November 27, 1945, Serial No. 631,158
In Great Britain October 6, 1944
10 Claims. (Cl. 267—64)

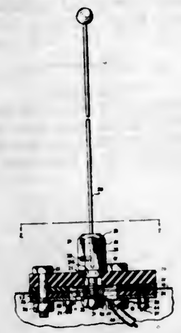
4. A telescopic device comprising piston and cylinder elements, in which that surface of the

cylinder element, engaging slidably with the piston, is formed with a pressure recess at one side, a relief recess at the opposite side, an endless rib of rectangular shape enclosing the pressure recess and engaging slidably with the piston element, and a pair of circumferential ribs extending completely around the cylinder element to define the relief recess, said circumferential



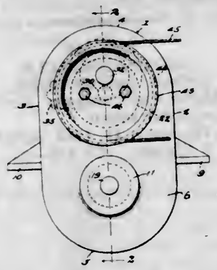
ribs being spaced axially from the endless rib so that the relief recess is extended completely around the pressure recess, said device also comprising means for forcing fluid under pressure into the pressure recess and an exhaust outlet from the relief recess whereby the pressure fluid which escapes across the endless rib can flow freely away through the relief recess.

2,495,517
MOUNT FOR FIXED LENGTH AUTOMOBILE ANTENNA
Milton R. Friedberg, Cleveland Heights, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1947, Serial No. 742,635
4 Claims. (Cl. 250—33)



1. A mounting for a radio antenna comprising a base adapted to be positioned on the outer side of an exterior panel of a motor vehicle body and over an opening in said panel and provided with an opening adapted to register with said panel opening, means for rigidly securing said base to said panel and carried by the base and adapted to extend through said panel; and antenna supporting means having an enlarged socket portion aligned with said base opening and extending radially beyond the circumference thereof to overlie the base, a collar portion interfitting said base opening, and a bolt portion extending through said base opening and adapted to extend through said panel opening; adjustable means on said bolt portion for engaging said base to clamp the latter between said socket portion and said adjustable means and secure the supporting means in position on said base, and means on said bolt portion and cooperating with said adjustable means to connect a lead-in to said antenna supporting means, said socket portion being provided with an axially extending antenna receiving socket in longitudinal extension of and coaxially with said bolt portion and means for locking an antenna in said socket in coaxial extension of said bolt portion.

2,495,518
FRICTIONAL REVERSIBLE TRANSMISSION MECHANISM
George W. Gibbs, Jacksonville, Fla.
Application September 28, 1948, Serial No. 51,583
5 Claims. (Cl. 74—218)

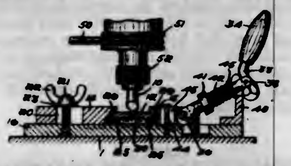


1. A frictional reversible transmission mechanism including a one-piece casing and a cover plate detachably secured thereon, opposed laterally extending bosses on the lower portions of said casing and cover, ball bearing races supported in said bosses, a driven shaft rotatably mounted in said ball bearing races and having one end extending through and beyond said casing, a driven pulley fixed to said shaft, opposed laterally extending disaligned bosses on the upper portion of said casing and cover, an eccentric mounted in one of said bosses, a bearing support having an eccentrically disposed stub bearing shaft formed thereon mounted in the other disaligned boss, ball bearing races in said eccentric and bearing support, a driving shaft rotatably supported in said ball bearing races, a pulley fixed to said shaft, a yoke connected between said eccentric and bearing support, a belt connected between said pulleys for driving the driven pulley in one direction when said belt is taut and said driving pulley is rotated, and said driving pulley positively engaging said driven pulley when said eccentric is rotated and said belt is slack for operating the driven pulley in a reverse direction.

2,495,519
METHOD OF MAKING DISPLAY CUTOUTS
Oswald W. Gregson and Earl A. Ekstrom, Saugus, Mass.
Application August 23, 1946, Serial No. 692,532
1 Claim. (Cl. 164—17)

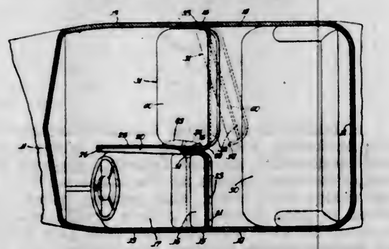
The improved method of forming novelty display cut-out devices from plastic sheet material, which consists in providing a pantograph engraving machine with a receptacle to hold liquid in position to contact with and partially support the sheet material to be cut, supplying liquid thereto, assembling a plastic blank to be cut in position to be partially supported by said liquid and to permit an engraving cutter to penetrate entirely thru

the blank during the cutting-out operation, the cutter extending into said liquid, and said liquid cooling both blank and said cutter, preparing a template of the design to be cut out, fitting said



template in an engraving machine, and setting the machine for reproducing the template in the blank with a cutter operating to cut entirely thru the blank and in set relation with the design of the template.

2,495,520
MOTOR VEHICLE
George E. Grimm, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 18, 1945, Serial No. 635,743
9 Claims. (Cl. 296—65)

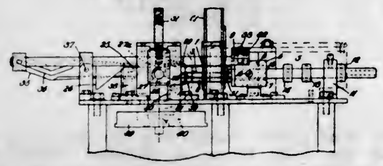


1. A motor vehicle for taxicab use comprising a closed body having front and rear doors at both sides, a driver's seat adjacent the front door at one side of the body and having an arm structure along its inner side, a rear seat spaced rearwardly from said driver's seat and extending adjacent both rear doors, and a front seat pivotally supported at its outer end adjacent the front door at the opposite side with its inner end swingable rearwardly to permit access from the front seat to the space between the rear seat and the driver's seat, a bracket mounted on said arm structure to support the inner end of said front seat when swung forwardly, a latch on said bracket for holding the inner end of the front seat in supported position, and means extending upwardly in said arm structure and provided with handle means at its upper end for releasing said latch.

2,495,521
METHOD FOR THE PREPARATION OF HYDROQUINONE
Marcel Hannion and Igor Seriabine, Lyons, France, assignors, by mesne assignments, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France
No Drawing. Application October 22, 1945, Serial No. 623,892. In France December 8, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 8, 1961
4 Claims. (Cl. 260—621)

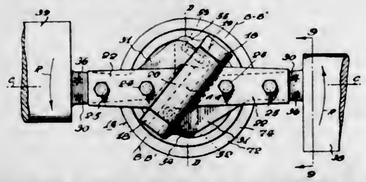
1. A method for the preparation of hydroquinone, consisting in hydrogenating quinone in the vapor state by passing a gaseous mixture of hydrogen, steam and quinone vapor over a hydrogenation catalyst.

2,495,522
FEEDING MECHANISM
Charles Frederic Marchant Hayes, Wandsworth, London, England, assignor to The Mullard Radio Valve Company Limited, London, England, a British company
Application November 9, 1944, Serial No. 562,651
In Great Britain March 2, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 2, 1963
5 Claims. (Cl. 10—162)



1. Discharge apparatus for feeding rod-like bodies, comprising a hopper having front and rear walls and an enclosing wall and being adapted to receive said bodies with their axes in parallel relationship substantially perpendicular to said front and rear walls, a cylindrical member provided with peripheral channels arranged parallel to the axis of said member and adapted to receive said rod-like bodies, said cylindrical member being arranged within said hopper with the axis thereof substantially perpendicular to the said front and rear walls and being spaced from the said enclosing wall, means engaging said cylindrical member to move said member about the axis thereof, and means positioned adjacent to said rear wall and movable in the direction of the axis of said cylindrical member for simultaneously ejecting said rod-like bodies from said channels and through the said front wall.

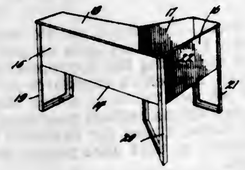
2,495,523
SUSTAINING ROTOR FOR AIRCRAFT
Russell R. Hays, Lawrence, Kans.
Application January 20, 1945, Serial No. 573,661
2 Claims. (Cl. 170—160.13)



1. In a cyclic pitch varying mechanism for the blades of a lifting propeller, a drive shaft, a hub mounted on said shaft, a transverse shaft journaled in said hub, a bearing mounted upon said transverse shaft, torsional means mounting propeller blades on said bearing for movement about their span axes, pitch control arms mounted on the butt ends of said blades, and stops on said hub engageable by the extending ends of said pitch control arms, each stop having multiple contact points, the arms engaging like contact points when the blades are rotating in their static plane of rotation, and engaging unlike contact points when the blades are not rotating in their static plane of rotation whereby said stops upon

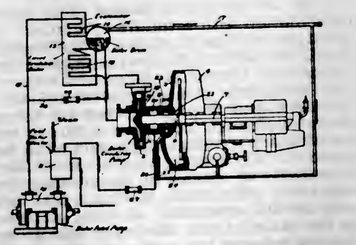
engagement with said pitch control arms comprise multiple rocking axes about which said blades alternately rock in response to tilting of said bearing about said transverse shaft, said multiple rocking axes having such angularity with respect to the span axes of said blades that movement of said blades upward from their static plane of rotation causes them to decrease their pitch, whereas movement downward from this plane does not change their pitch.

2,495,524
WORK CONVEYING BOX FOR SEWING-MACHINE TABLES
Daniel J. Hogan, Ashley, Pa., assignor to Harris-Hogan Company, a corporation of Pennsylvania
Application September 27, 1946, Serial No. 699,890
5 Claims. (Cl. 311—13)



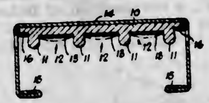
1. The combination with a plurality of spaced sewing machine tables arranged in a row and having sewing machines thereon arranged to cause the operators thereof to face in the same direction, of a work conveying box provided with bottom, side, and end walls and an open top, said box being positioned between the tables and having one portion between the rear of the table and the next adjacent operator to receive material passing from one sewing machine and having another portion extending to one side of said next adjacent operator and to the next adjacent table in said row.

2,495,525
CIRCULATING PUMP FOR STEAM GENERATORS
Igor J. Karassik, South Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application November 3, 1943, Serial No. 508,806
14 Claims. (Cl. 122—406)



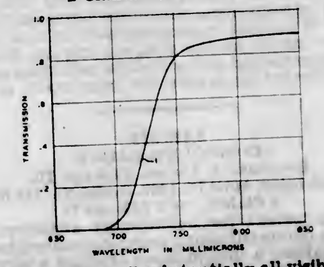
8. In a boiler circulating pumping system, the combination with a boiler, a boiler feed pump for delivering water to the boiler, a boiler circulating pump for receiving water from and returning it to the boiler, said boiler circulating pump including a casing and an impeller, a driving shaft for said impeller, said casing having a chamber therein surrounding said shaft and having communication with the interior of the circulating pump to receive discharge pressure leakage from the circulating pump, of means for delivering steam to said chamber at a pressure in excess of pressure of water in the chamber, means for by-passing a part of the discharge from the boiler feed pump to said circulating pump to reduce the temperature of water in said chamber below the flashing temperature for its pressure, and means for controlling the pressure and quantity of water by-passed from the discharge of the boiler feed pump to the circulating pump.

2,495,526
BUS BAR CONSTRUCTION
Donald Mayer King, Hitchin, England, assignor of one-half to Geo. W. King Limited, a company of Great Britain
Application October 21, 1947, Serial No. 781,125
In Great Britain February 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 22, 1965
1 Claim. (Cl. 191—23)



A busbar assembly comprising an insulator made up of a plurality of sections arranged in end to end relationship each section having at least one channel therein the side walls of which are outwardly convergent from its base, a plain strip of relatively soft electrically insulating material seated in the base of said channel and lying flush thereagainst such strip being so dimensioned relatively to the channel that due to the formation of the latter it will be held in place without the aid of mechanical fixing means and means for securing successive insulator sections together comprising a jointing element formed of similar material to that of the insulator sections and similarly channelled to receive the strip said jointing element also including tongues or projecting portions adapted to seat in recesses formed in the adjacent ends of said insulator sections and in that surface of the latter remote from the channel.

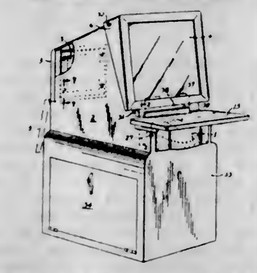
2,495,527
LIGHT FILTER OPAQUE TO VISIBLE LIGHT AND TRANSMITTING INFRARED RADIATION
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 5, 1946, Serial No. 652,159
1 Claim. (Cl. 88—114)



A filter cutting off substantially all visible light below 700 millimicrons but showing high transmission in the near infrared, said filter being stable to temperatures of the order of at least

100° C. and comprising a sheet of polyvinyl alcohol of a thickness at least of the order of .005 inch dyed with a plurality of direct dyes, said dyes comprising approximately 60 parts of Niagara Sky Blue 6B (C. I. 518), approximately 53 parts of Solantine Red 8BL (C. I. 278) and approximately 83 parts of Stilbene Yellow 3GA Conc. (C. I. 622), the concentration of dye within said sheet being at least 3% by weight of said sheet, said dyes in said concentration transmitting substantially no radiation below 700 millimicrons, each of said dyes having a maximum absorption in a different range of the visible spectrum and having a high transmission in the near infrared.

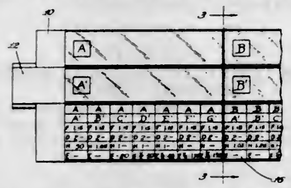
2,495,528
PROJECTING AND VIEWING DEVICE FOR CARDS WITH MICROFILM AND THE LIKE
John F. Langan, White Plains, N. Y., assignor, by mesne assignments, to Film 'N File, Inc., New York, N. Y., a corporation of Delaware
Application March 18, 1947, Serial No. 735,285
12 Claims. (Cl. 88—24)



1. A viewer for viewing microfilms and the like mounted in openings in cards, including a housing for the viewer, a generally horizontal front shelf for supporting the cards at the front of the housing, a rearwardly directed projector located below the shelf, light reflecting means at the back of the housing, a translucent screen at the front of the housing above and back of the shelf, and card holding plates extending from adjacent the back edge of the shelf downwardly into the path of the projector, the card holding plates being suitably spaced from one another to hold a card in proper position and facilitate insertion of a card between them, whereby cards may be moved from said shelf and inserted between the plates, said plates having openings therein located in the path of the projector and corresponding to the location of the film, etc. in the card when inserted between them, whereby when a card is inserted in position between the card holding plates subject matter on the film, etc., carried thereby may be projected onto said light reflecting means and reflected by it onto the translucent screen.

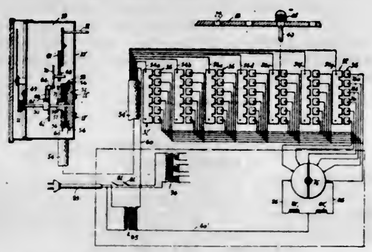
2,495,529
COMPOUND GAUGE
Bernhard A. Larson, Chicago, Ill.
Application April 15, 1947, Serial No. 741,656
3 Claims. (Cl. 235—64.7)

1. Equipment for determining exposures for making photo-engraving negatives comprising, in combination: a first member carrying a series of uniformly graduated dark shade plaques from black up to a predetermined density, or lightness; a second member carrying a series of uniformly graduated light shade plaques from white down to a predetermined density, or darkness; means slidably connecting said members, whereby any plaque on one of the members can be positioned closely adjacent to any plaque on the other member, and whereby an original may be laid over one member with its darkest portion matched with a plaque on said member, and subsequent movement of the other member can bring into closely adjacent relation with said original and first



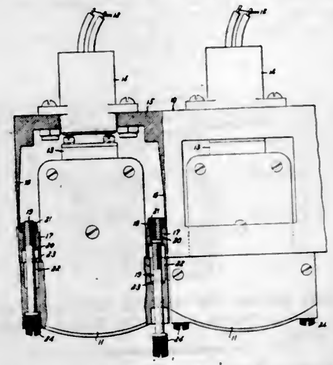
matched plaque, the plaque on the second member matching the lightest area on said original; and a chart indicating the appropriate flash, detail, highlight, and extra exposures for the combination of plaques found to match the original; said chart including a portion positioned adjacent each dark plaque, giving the exposure values for the combination of that dark plaque with all the light plaques.

2,495,530
TIME-CONTROLLED MEANS FOR AUTOMATIC RADIO TUNING
Joseph La Via, Jr., Ridgewood, N. Y.
Application April 1, 1946, Serial No. 658,859
3 Claims. (Cl. 250—20)



1. In an automatic tuning radio receiver, the combination with a timing mechanism, of a program pattern disc propelled by the timing mechanism, said pattern disc having a plurality of time indications thereon arranged in concentric circles, one circle being provided for each day of the week and having an aperture through said disc at each such indication, a tuning motor and a stationary terminal block, said block being disposed radially relative to said circles and having a plurality of groups of paired spaced contacts selectively connectable in circuit with said motor said groups extending at right angles relative to the plane of said disc, each said group representing a day of the week and being in alignment with a different circle of time indications, means to daily connect one of said groups in the circuit, selectively settable means carried by the pattern disc and associated with the time indications thereon for bridging the gap between a pair of said contacts for closing the motor circuit at pre-determined times to tune the receiver to preselected stations, and means automatically operable when a pre-selected station has been tuned to for interrupting the motor circuit.

2,495,531
INSTRUMENT PANEL ASSEMBLY
Karl M. Lederer, Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application November 9, 1945, Serial No. 627,696
2 Claims. (Cl. 175—298)



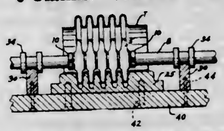
1. An instrument panel assembly comprising a rack including a rear panel, horizontally spaced, vertically extending, forwardly projecting webs carried by said panel and a vertically extending flange on the front of each web; a column of instrument casings with the rear ends thereof disposed in each vertical space defined by adjacent webs, the forward ends of said casings being rectangular and constituting per se the entire face of the panel assembly, each casing having lateral extensions with rear surfaces transversely alined at about the center of gravity of the casing for seating against the flanges of the adjacent forwardly projecting webs, fastener elements carried by said lateral extensions and operable from the front of the instrument casing, complementary fastening elements carried by said flanges for securing said casings thereto, and means mechanically supporting the rear ends of said instruments upon the rear panel, said supporting means comprising complementary electrical connector elements carried by said instruments and by said rear panel.

2,495,532
PIPE FITTING
James B. Leonard, Del Rio, Tex.
Application April 4, 1947, Serial No. 739,351
1 Claim. (Cl. 285—2)

In extensible piping, the combination of an outer pipe having one end provided with a portion adapted to form a part of a sealed joint, a sleeve fitting having a bore provided with end portions adapted to form parts of sealed joints, one of said end portions of said sleeve fitting being joined and sealed to said outer pipe end portion, an annular shoulder intermediate the ends of the bore extending radially inwardly thereof, a sleeve joined and sealed to the remaining end portion of said sleeve fitting, a sleeve nut threaded on said sleeve, an inner pipe telescoping within said outer pipe and slidably guided by said annular shoulder, an outwardly flared portion terminating the inner end of said inner pipe, said flared portion being adapted to abut said annular shoulder to limit movement of said inner pipe outward of said outer pipe, a pipe coupling attached to the outer end of said inner pipe, said pipe coupling being adapted to abut said sleeve nut to limit movement of said inner pipe inwardly of said outer pipe, spring latch means attached to said sleeve nut and adapted to engage said pipe coupling when adjacent said sleeve nut to retain said inner pipe in retracted position, a packing means retained between said sleeve nut and sleeve and in fluid-tight slidable guiding relationship about said inner pipe and a packing means retained between said sleeve and annular shoulder and in fluid-tight slidable guiding relationship about said inner pipe.

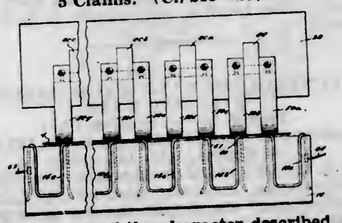


2,495,533
METHOD AND APPARATUS FOR CORRUGATING METAL TUBING
Justin W. Macklin, Lakewood, and William H. Grant, Cleveland, Ohio
Application August 17, 1946, Serial No. 691,236
6 Claims. (Cl. 153—74)



1. A plurality of relatively axially movable rollers and spaced apart rigidly mounted converging rails having curved edges lying in a uniform surface and presenting progressively deepening grooves having increasingly abruptly sloping surfaces against which the metal of a tube blank may be worked as the rollers are moved along the rails and pressed to project the rollers and the metal of the tube therebetween.

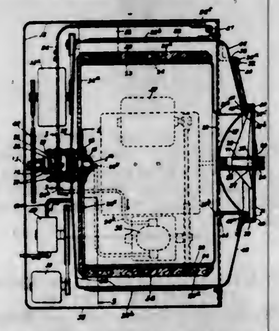
2,495,534
APPARATUS FOR PERFORATING SHEET MATERIAL
John W. Meaker, New York, N. Y.
Application October 26, 1945, Serial No. 624,809
5 Claims. (Cl. 219—29)



2. In a device of the character described, rows of upper and lower electrodes, rigid supporting

bars for said electrodes, said lower electrodes comprising bent wire shaped in the form of a double U and designed to engage the edge of the support on which it is positioned by means of spring tension sufficient to prevent accidental displacement yet designed to permit the electrode to be slid along the supporting means to any desired position, and swingable upper electrodes adapted to cooperate with said lower electrodes to perforate sheet material passing therebetween.

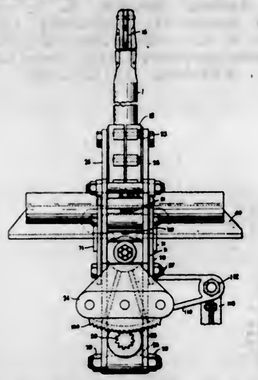
2,495,535
DRIER
Willard L. Morrison, Lake Forest, Ill.
Application February 18, 1946, Serial No. 648,179
6 Claims. (Cl. 34—76)



1. In a drier, an outer housing including a circumferential, generally cylindrical wall, a closed end wall, and an opposite end wall having a generally axial access opening, a refrigerant evaporator included in said cylindrical wall, a closure for said access aperture, means for closing it in substantially air-tight relation to said outer housing, an inner rotatable drier housing mounted for rotation within said outer housing about a generally horizontal axis generally concentric with the axis of the cylindrical wall of the outer housing, and means for rotating it, an access opening in said drier housing, co-axial with the access opening of the outer housing, said rotatable drier housing having a generally cylindrical circumferential wall in which a refrigerant condenser is included, an air pervious closure for the access opening of an inner housing, means for rotating the inner housing, and for thereby tumbling the articles undergoing drying while they are being heated by the refrigerant condenser, means for cycling a volatile refrigerant through said evaporator and condenser, and for thereby maintaining a relatively high temperature at said condenser and a relatively low temperature at said evaporator, means for withdrawing condensed moisture from the space within said outer housing but exterior to said inner housing.

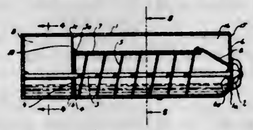
2,495,536
CONTROL MECHANISM FOR MARINE STEERING GEAR
John F. Morse, Hudson, Ohio
Application April 12, 1945, Serial No. 587,887
24 Claims. (Cl. 114—144)

1. A rudder control mechanism comprising a rocking frame, a control stick on the frame, a rotatable shaft carried by the frame, a means to impart a planetary motion to the shaft during rocking movement of the frame, a pivoted arm adjacent the frame, said arm being connected to the shaft and actuated by the rotation of



the shaft during the rocking movement of the frame, and a rudder actuating means connected to the arm.

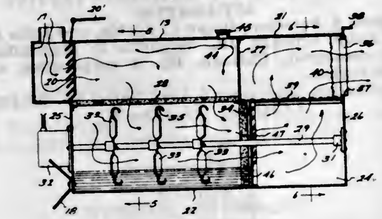
2,495,537
AIR COOLING DEVICE
Canellen K. Mousel, Edison, Nebr.
Application November 15, 1946, Serial No. 709,917
1 Claim. (Cl. 261—82)



In an air cooling device, a casing adapted to contain water and provided at one end with an air-inlet opening and in a side thereof near its opposite end with an air-outlet opening, a wind propeller mounted outside the casing, at the front end thereof below the air inlet opening a shaft journaled in the casing and fixed to the wind propeller, and a plurality of paddles fixed to the shaft and adapted to dip into a quantity of water in the casing a screen arranged horizontally within the casing immediately above the paddles, an imperforate deflector extending upwardly from the lower wall of the air inlet opening to the screen, an imperforate baffle extending upwardly from the screen to the top of the casing, a second screen extending from the bottom of the casing to said first screen, and said deflector and baffle being adapted to cause the air to enter the casing above said first screen and flow downwardly through said screen and then through said second screen and then through the outlet opening.

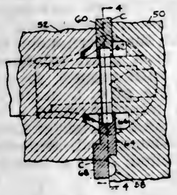
2,495,538
EVAPORATIVE COOLER
Canellen K. Mousel, Edison, Nebr.
Application July 24, 1947, Serial No. 763,339
1 Claim. (Cl. 261—82)

A cooling device adapted for use with motor vehicles comprising a casing having top and bottom parts, a filter extending longitudinally through the casing and separating the top and bottom parts, said top part having an inlet opening for receiving the air, a shaft extending longitudinally through the bottom part of the casing, said bottom part being adapted to retain a body of water or other cooling medium, said shaft having a combined water thrower and fan blade thereon adapted to pick up the water and throw it against the filter above the same whereby the air passing the filter will be cooled and adapted to direct the cooled air axially through the casing, outlet means in the casing, a motor connected to the shaft and mounted on the casing to drive the shaft, a partition or baffle wall ex-



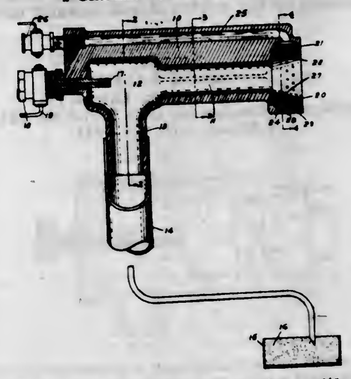
tending vertically in the top part of the casing, and a second filter extending vertically beneath the baffle plate and surrounding the shaft, said casing having an opening in the rear end wall forming the outlet for the casing, adjustable louvres lying within the opening, and wire screens extending vertically and forwardly of the outlet opening and longitudinally above the top edge of the second filter device and dividing the top part of the casing from the bottom part at a location in rear of the baffle plate.

2,495,539
MOLD FOR SLIDE FASTENER SLIDERS
Paul Natzler, Jackson Heights, N. Y., and Otto G. Scheuermann, Westfield, N. J., assignors to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application April 16, 1946, Serial No. 662,568
15 Claims. (Cl. 18—42)



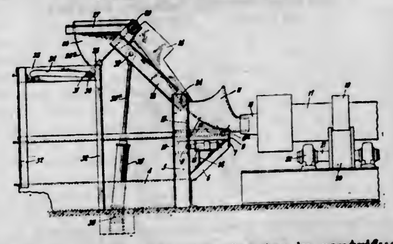
9. A mold for molding a slider having a lug and a pull straddling said lug and pivotally joined to said lug by means of trunnions on said lug projecting into holes in said pull, said mold being separable on a parting face transverse of the longitudinal axis of the slider at the widest part of the slider and having appropriate mold cavities to form the slider body, lug, and pull with the pull lying in the parting plane of the mold, and a pair of aligned oppositely retractible cores movable on the axis of the trunnions, the ends of said cores being cup-shaped with annular walls having an outside diameter selected to form the aforesaid holes in the pull and an inside diameter selected to form the aforesaid trunnions on the sides of said lug.

2,495,540
METHOD OF COATING WITH LIGHTWEIGHT AGGREGATES
Arthur S. Nichols, Oak Park, and Robert A. Prosser, Riverside, Ill., assignors to The Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois
Original application May 29, 1944, Serial No. 537,947. Divided and this application January 21, 1947, Serial No. 723,362
4 Claims. (Cl. 117—27)



1. The method of coating a surface with light weight insulating aggregate which comprises sucking a dry, loosely packed mixture of said aggregate and bentonite from a source of supply, confining said dry mixture in the form of a continuously moving air-borne stream, projecting said stream out of confinement in the form of a free, unconfined stream toward the surface to be coated, and simultaneously continuously introducing a spray of water around and into the unconfined stream in sufficient amount and at such distance from said surface that the adhesive characteristics of the bentonite will be developed before the stream engages said surface.

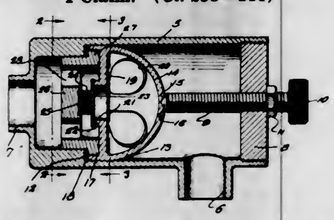
2,495,541
METAL POURING APPARATUS FOR CENTRIFUGAL CASTINGS
John J. Nolan, Jr., New York, N. Y., assignor to The Central Foundry Company, New York, N. Y., a corporation of Maine
Application November 20, 1946, Serial No. 711,044
4 Claims. (Cl. 22—79)



3. A pouring mechanism for use in centrifugal casting of pipe in a horizontal rotary mold, comprising a frame, an inclined chute having its lower end pivotally attached to said frame, means including a lifting and lowering device having a movable member, to decrease the angle of inclination of said chute continuously, a ladle having a pour-

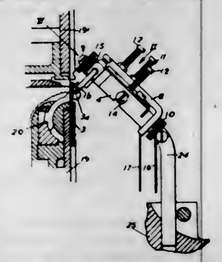
ing lip at its forward edge, said ladle being pivotally attached along an axis at said lip to an upper part of said chute, whereby said lip is lowered toward the horizontal axis of said mold, a cam and a follower member engaging same, interconnecting a rear, lower part of said ladle and said frame, said cam having a surface of varying curvature, extending generally horizontally, shaped to move said rear, lower part of said ladle generally backwardly along a path to rotate said ladle about its said lip with an angular motion determined by the motion of said movable member.

2,495,542
CHECK VALVE
Charles D. Panton, Eldred, Pa.
Application October 25, 1945, Serial No. 624,510
1 Claim. (Cl. 251—144)



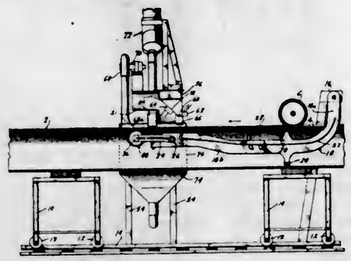
A check valve comprising a hollow body having a side inlet port and a discharge port at one end thereof, a shoulder in said body extending around the same between said ports, a valve cage fitted in said body for removal out of the other end thereof and comprising a hollow dome shaped skeleton section forming a skirt opposed to said shoulder, said section having an axially apertured front fall set back in said skirt with a circumferential lip around said aperture, a ported ring section having a circumferential flange threaded into said skirt and opposed to said shoulder, a spring pressed valve disk between said sections seating against said lip and closing said aperture, and means for forcing said skirt and flange against said shoulder from said other end of said body.

2,495,543
KNITTING MACHINE
Roland Peberdy, Leicester, England, assignor to The Bentley Engineering Company Limited, Leicester, England
Application January 21, 1948, Serial No. 3,632
In Great Britain January 24, 1947
16 Claims. (Cl. 66—111)



1. In a knitting machine equipped with a line of latch needles, latch-retarding mechanism, between which mechanism and the line of needles relative travel takes place as the machine is in operative position, for variably retarding the closure of the latches, comprising a latch-engaging member for engagement by the latches in their closing movement to retard said closure, and means, adapted for operation by the machine itself, for shifting said member to and fro while the machine is in operation between a plurality of positions giving differing degrees of retard.

2,495,544
PIPE WELDING AND MAGNETIC TESTING APPARATUS
Robert A. Peterson, Dolph F. Heckle, and John E. Clarke, Chicago, Ill., assignors to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware
Application September 6, 1946, Serial No. 695,188
3 Claims. (Cl. 113—59)

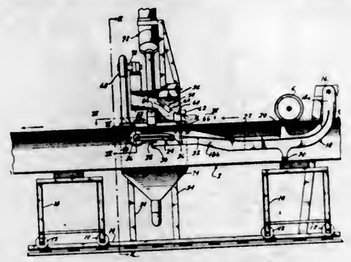


2. A longitudinal seam pipe welding and testing apparatus comprising, in combination, a fixed position welding head, means adapted for moving a pipe having a longitudinal joint therein past said welding head to weld the longitudinal joint, a support arm having a longitudinal end portion adapted for insertion in the pipe and a radial portion adapted to project through the longitudinal joint of the pipe at a point ahead of said welding head with respect to the direction of movement of the pipe, fixed means exterior of the pipe for supporting said radial portion of said support arm, a roller member journalled on the inserted end of said support arm, said roller member having peripheral portions thereof engageable with the internal surface of the longitudinal joint at a point relatively behind said welding head with respect to the direction of movement of the pipe, a magnetizing coil circumferentially wound around a portion of said roller member, and means for supplying current to said magnetizing coil, whereby a magnetic field is established in the longitudinal welded joint of the pipe.

2,495,545
MAGNETIC PARTICLE INSPECTION APPARATUS AND METHOD
Robert A. Peterson, Dolph F. Heckle, and John E. Clarke, Chicago, Ill., assignors to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware
Application September 6, 1946, Serial No. 695,189
8 Claims. (Cl. 113—112)

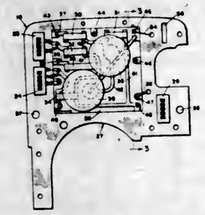
8. A method of magnetic inspection of a longitudinal welded joint on continuous length pipe or the like comprising moving the pipe longitudinally past a welding head to effect the weld thereof, supporting a magnetizing head within the interior of the pipe at a point behind the welding head by a support member passing through the

unwelded joint at a point ahead of the welding head, and applying a layer of magnetic particles



to the external surface of the welded pipe joint at a point adjacent the magnetizing head.

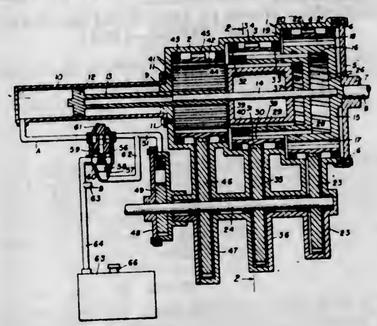
2,495,546
HEARING AID CHASSIS
Sam Posen and Harvey E. Hanson, Chicago, Ill., assignors to Beltone Hearing Aid Co., Chicago, Ill., a corporation of Illinois
Application November 24, 1947, Serial No. 787,714
6 Claims. (Cl. 250—16)



1. In or for a wearable electronic hearing aid having an electron tube amplifier, an insulating support for carrying the elements of the electron tube amplifier composed of a frame of a material of high tensile, compressive and flexural strength surrounding an opening and at least one plate placed in said opening consisting of a non-flexible, heat resistant material, some of the elements of said amplifier being carried by said frame and others by said plate.

2,495,547
FLUID TRANSMISSION
Harry Dale Priest, Culver City, Calif.
Application June 26, 1947, Serial No. 757,271
6 Claims. (Cl. 74—336)

1. A fluid transmission for vehicles comprising a stepped gear casing, a hydraulic jack cylinder mounted at one end of said casing, a drive shaft rotatably disposed at the other end, a main cylinder fixed on said shaft and rotatably disposed in said casing, a piston operatively disposed in said jack cylinder, a piston rod carried by said piston and operatively extending into said casing, a guide rod extending from said piston rod, concentrically disposed cylinders slidably and rotatably disposed on said guide rod and adapted for nesting within said main cylinder, said piston rod being adapted to abut against the cylinders complementary means formed on said cylinders for urging said cylinders from the main cylinder upon rotation thereof by the drive shaft, gear supporting sleeves disposed about each of said cylinders, a fluid coupling between said sleeves and said cylinders, a driven shaft, adjacent gears of progressively larger size disposed on said driven shaft and arranged in constant engagement with the gears on said sleeves, a fluid supply tank, pumping means communicated with said supply tank and operatively connected



to the jack cylinder, said pumping means being actuated by said driven shaft for building a progressive pressure in said jack cylinder to move said piston rod against the cylinders and urge the cylinders into nesting engagement with said main cylinder.

2,495,548
NURSING UNIT WITH FLOW ADJUSTMENT MEANS
Henry J. Revane, Norfolk, Va.
Application June 3, 1947, Serial No. 752,155
5 Claims. (Cl. 215—11)



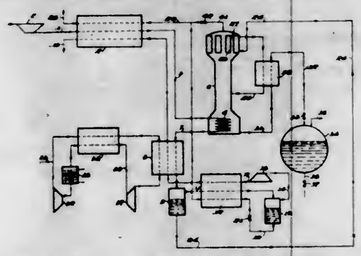
1. As a new article of manufacture, a nursing bottle nipple comprising a nipple body of conventional shape, the reduced outer tip end of said body having customary expandible and contractible milk passages formed therein, a substantially rigid stay integrally connected at its outer end with said tip portion at a point midway between said milk passages, a spider formed integral with the inner basal end portion of said body, the adjacent end of said stay being connected to the central portion of said spider to allow unobstructed passage of milk into and through the nipple and to at the same time stabilize the entire nipple, the inner end of said nipple being of cap-like form to fit over the neck of a nursing bottle, said basal portion having a circumferentially extending flange spaced from the cap portion and of imperforate form and adapted to be flexed in a manner to lengthen and shorten the nipple body in relation to said stay and to impose a valving action on said passages to cause same to become restricted or enlarged according to the discretion of the user.

2,495,549

SEPARATION OF TERNARY GASEOUS MIXTURES CONTAINING HYDROGEN AND METHANE

Irving Roberts, Jeannette, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania

Application March 15, 1949, Serial No. 81,442
15 Claims. (Cl. 62—175.5)



1. The method of separating the constituents of a substantially ternary gaseous mixture containing hydrogen and methane and a constituent having an intermediate boiling point to recover the hydrogen and methane therefrom that includes the following steps: compressing the mixture, cooling the compressed mixture in at least three stages to liquefy substantially all of its constituents with the exception of hydrogen, using the resulting liquefied constituents to condense liquid reflux for rectifying said liquefied constituents, rectifying said liquefied constituents to obtain substantially pure liquid methane and a gaseous intermediate boiling constituent, expanding said gaseous constituent to substantially atmospheric pressure to lower its temperature, using the gas so expanded as a cooling agent in the first of said cooling stages, using the liquid methane to effect the second of said cooling stages to partially vaporize the liquid methane to produce vapor reflux for said rectification, and using said hydrogen as a cooling agent in all of said cooling stages except the second.

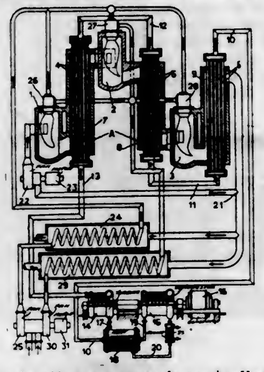
2,495,550

OPERATING GAS HEATER FOR THERMAL POWER PLANTS

Rudolf Ruegg, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland

Application April 13, 1945, Serial No. 588,186
In Switzerland May 26, 1944
7 Claims. (Cl. 126—109)

1. In a high temperature gas-heating furnace, the combination of means forming a plurality of combustion chambers; means forming a plurality of combustion-gas passes, one of the latter leading from each of said combustion chambers, the combustion-gas pass from each chamber except the last leading to the next combustion chamber in series; an outlet connection leading from the discharge end of said last combustion-gas pass; a plurality of surface heat exchange units, each of said units being mounted within a corresponding combustion-gas pass; tubular means connecting said units in series; means for circulating gas to be heated through the units so connected; fuel burners directed into the various combustion chambers; a branch conduit leading from said outlet connection to the first combustion chamber; and power driven means for propelling gases through said branch conduit toward said chamber, whereby the heating effect of each fuel burner upon the exchange unit in the succeeding combustion-gas pass is controlled by dilution of its products of combustion with cooler combustion products.

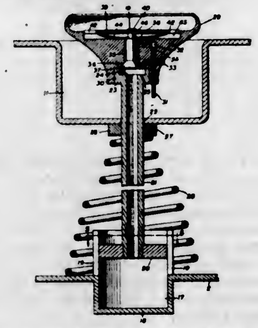


2,495,551

APPARATUS FOR DISPENSING AND APPLYING ALCOHOL TO APPLICATORS

John P. Sakowski, Bayonne, N. J.

Application January 30, 1947, Serial No. 725,375
4 Claims. (Cl. 222—205)



1. In an apparatus of the class described a container having a closed compartment therein provided with a top and adapted to contain a liquid, a vertically movable basin projecting above the top of said compartment, means operative by downward movement of said basin to force liquid out of said compartment to the bottom of said basin, valve means in the bottom of said basin operative downwardly independently of downward movement of said basin by pressure against the same to admit the liquid through said bottom, and a spreader plate in said basin for deflecting said liquid to the side of the basin depressible in the basin to exert pressure against said valve means.

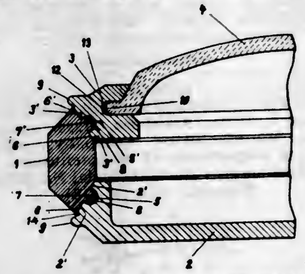
2,495,552

WATERTIGHT WATCHCASE

Otto Schmitz, Granges, Switzerland

Application January 24, 1947, Serial No. 724,163
In Switzerland February 9, 1946
3 Claims. (Cl. 58—90)

1. A water-tight assembly for cases, comprising a case band having a pair of oppositely inclined inner faces, a pair of flanges each formed extending from one of said inclined faces, a rim for a case crystal having an inclined outer face, said rim face having a groove for receiving the



flange of one of said band faces, a back cover having an inclined outer face, and said cover face having a groove for receiving the flange of the other of said band faces.

2,495,553

PASTRY MARKER

Harry P. Shaw, Shelburne Falls, Mass.

Application December 19, 1945, Serial No. 635,926
2 Claims. (Cl. 107—47)



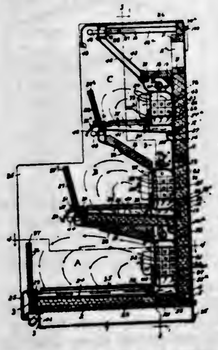
1. In a pie marking apparatus, a receptacle for a pie plate, a cover detachably secured on said receptacle, means for cuttingly marking a pie positioned in the pie plate including a monobloc flat base having blades extending from one surface thereof and a holding tongue extending from the opposite surface of said base and passed through said cover.

2,495,554

OPEN-TOP REFRIGERATED DISPLAY CASE

George E. Spangler, San Antonio, Tex., assignor to Ed. Friedrich, Inc., San Antonio, Tex., a corporation of Texas

Application December 14, 1948, Serial No. 65,227
6 Claims. (Cl. 62—89.5)



1. A three level open top refrigerated display case, including at least one intermediate section and two ends, and means to secure the ends to the intermediate section, said intermediate section having a lower food compartment, a second level food compartment and a top compartment and a separate cooling coil and air circulating unit located at the back portion of each compartment.

2,495,555

DIESEL FUEL

Donald R. Stevens, Wilkinsburg, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application March 7, 1947, Serial No. 733,195
6 Claims. (Cl. 44—57)

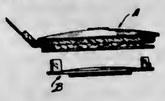
1. An improved Diesel fuel essentially comprising a major proportion of a hydrocarbon Diesel fuel and a minor proportion of a sulfurized cracked petroleum distillate in an amount sufficient to improve substantially the ignition qualities of said fuel, said sulfurized cracked petroleum distillate containing from about 15 to about 40 per cent by weight of combined sulfur, and being obtained by a process comprising heating a cracked petroleum distillate with elemental sulfur at a reaction temperature above the melting point of sulfur but not exceeding about 350° F., and removing unsulfurized components from the resulting reaction mixture by distillation under vacuum.

2,495,556

VULCANIZING UNIT

George R. Waid, Willoughby, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application February 21, 1948, Serial No. 10,032
3 Claims. (Cl. 219—19)



1. A vulcanizing device comprising a pair of cooperating superimposed members one of said members being adapted to have pressure applied thereto by a suitable clamping means and being provided with an insulated electrical resistance element having an exposed uninsulated portion, said member including a disk having a flexible portion overlying said exposed portion of said resistance element with said flexible portion integrally connected at its opposite ends to said disk, the other of said members being separable from said first member and adapted to carry a vulcanizing patch, and means carried by said second named member and acting when said members are arranged in superimposed relationship and pressure applied thereto to engage said flexible portion of the disk of said first member and flex the same into electrical contact with the exposed portion of said resistance element.

2,495,557

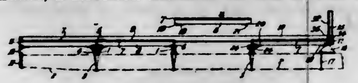
FLOOR CONSTRUCTION OF ROAD VEHICLES

Arthur Walsh, Prescot, England

Application October 2, 1947, Serial No. 777,454
In Great Britain November 15, 1946
2 Claims. (Cl. 296—28)

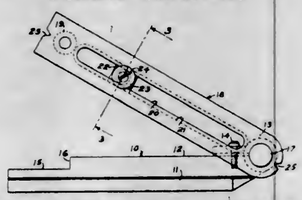
1. A floor platform superstructure for a road vehicle comprising an L-section surround, a plurality of inverted T-section bars secured transversely to said surround and dividing the area enclosed thereby into a plurality of spaces ex-

tending the full width of said area, a flooring section for each space adapted to fit into said space and to rest on the flanges of said L and T-section members, a notched member on one side of each



floor section arranged to engage one of said flanges, a hooked member on the opposite side of each floor section, and a catch rotatable to engage said hooked member.

2,495,558
ANGLE AND DISTANCE MEASURING DEVICE
Edward L. Walton, Milwaukee, Wis., assignor to W-W Tool Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 17, 1947, Serial No. 722,485
2 Claims. (Cl. 33—75)



1. A device of the character described, comprising a base section formed of a platform and a right angled upwardly extending flange, a split bearing on said flange at one end of said base, a pin rotatably mounted in said bearing, means on said bearing for locking the pin against rotation, an arm on said pin whereby said base and said arm may be angularly moved with respect to each other to different positions of adjustment between said base and said arm, said arm having a longitudinally extending slot extending for a large portion thereof, said arm having a countersink surrounding said slot, a block slidably received in said countersink, a knob threadedly secured to said block for locking the same to said arm and extending from one side thereof, and a knob fixed to the opposite end of said arm from said pin and extending from said arm in the opposite direction to said last named knob.

2,495,559
INDUSTRIAL BRUSH
Karl E. Weiler, Franklin Square, N. Y.
Application August 13, 1946, Serial No. 690,165
5 Claims. (Cl. 15—198)



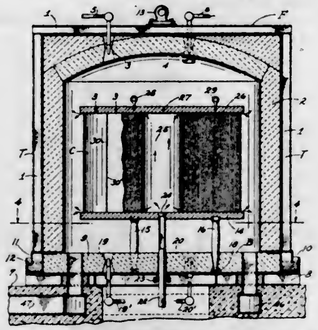
1. The combination of a bristle unit including a bundle of bristles extending in an annular hair pin shape across an inner ring to form an annulus with the inner ring inside of the bend in the bristles, a second ring disposed adjacent the inner periphery of the annulus, a grommet with its free edges disposed radially outward of the inner portion of the grommet and extending around the annulus and second ring to secure the bristles in place, and a chambered metal core extending through said annulus and into locking engagement with said annulus.

2,495,560
METHOD OF MAKING BRACELETS
Raymond L. Wells, Attleboro, Mass., assignor to Wells Manufacturing Company, Attleboro, Mass., a corporation of Massachusetts
Application May 26, 1944, Serial No. 537,470
1 Claim. (Cl. 59—79)



A method of making a bracelet link that comprises folding a resilient sheet-metal strip along a line a little to one side of a point midway between the ends of the strip to provide the strip with an end wall at the line of fold and two walls of different length projecting from the end wall, inserting a compression spring in the folded strip between its walls of different length, forming a one-piece U-shaped sheet-metal member with a neck and internally recessed arms, mounting the folded strip with the spring therein over the neck and slidably interlocked between the arms with the ends of the spring engaging against the neck and the end wall in order yieldingly to oppose the slidable movement of the folded strip, fastening a bar between the free ends of the arms to enclose the folded strip and the spring therein between the arms, and bending the free end of the longer wall transversely over against and into contact with the free end of the shorter wall to provide a lip that may be snapped over the bar of the one-piece member of another link.

2,495,561
METHOD OF AND APPARATUS FOR HEATING COILED STRIP METAL
Lee Wilson, Rocky River, Ohio
Application December 31, 1946, Serial No. 719,398
9 Claims. (Cl. 263—43)



1. Apparatus for protecting coils of strip metal during annealing or other heat treatment comprising two end covers, each having a substantially flat coil engaging face, said faces having greater area than the ends of the coil to which they are to be applied whereby they will completely cover said ends, means for substantially

sealing the outer free end portion of said coil against the next below layer of said coil, and means for discharging gas under pressure into the hollow center of said coil.

2,495,562
SCALE-LIGHT SWITCH
Curtis Maynard Wolf, Greenville, Ohio
Application April 22, 1949, Serial No. 89,130
1 Claim. (Cl. 200—85)



In a switch of the class described, the combination of a casing provided with a detachable insulated base, said casing provided with a slot in one end, a U-shaped bracket within said casing and fastened to said base, an angle bracket within said casing and fastened to said base, a lower spring finger fastened at its inner end to said angle bracket, a lever unit including parallel integral bars and an insulated contact piece, said contact piece secured partly between said parallel bars, said parallel bars being spread outwardly at their inner ends, said inner ends positioned within said U-shaped bracket, a pin extending through portions of said U-shaped bracket and portions of said inner ends of the parallel bars, washers on said pin between portions of the U-shaped bracket and portions of the inner end of said bars, a V-shaped spring fastened at its inner end upon said pin and having its lower end engaging said U-shaped bracket and its upper end engaging the bottom of said parallel bars, said insulated contact piece provided with an outer upwardly extending end and an inner upwardly extending end, said inner upwardly extending end normally engaging the top portions of said casing, and an upper spring finger fastened at its inner end to the bottom portions of said bars and being adapted to contact with said lower spring finger, for closing a circuit.

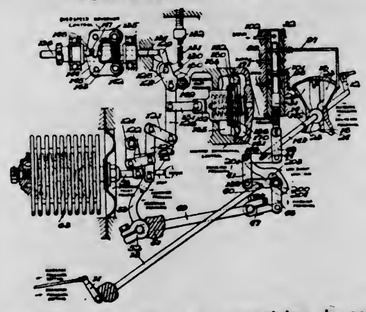
2,495,563
OIL WELL MAST STRUCTURE AND ERECTION METHOD
Homer J. Woolslayer, Cecil Jenkins, and William H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 6, 1948, Serial No. 6,764
9 Claims. (Cl. 189—15)

1. Oil well drilling apparatus comprising a substructure, a mast having front and rear sides and adapted to be disposed in a prone position with its front side down, means hinging the lower end of said rear side to the substructure to permit the mast to be swung from said prone position up to upright position, a gin pole mounted on the substructure behind the mast and having front and rear sides, the lower end of the front side of the gin pole being hinged to the substructure adjacent said hinging means, the front side of the gin pole being inclined rearwardly while the mast is being raised so that the mast must swing back past its balance point before it comes to rest against the gin pole, means for fastening the upright mast to the gin pole and means connected to the lower end of the rear side of the gin pole for swinging the gin pole and upright mast forward together to return



the mast to forwardly unbalanced drilling position.

2,495,564
CONTROL MECHANISM FOR AIRCRAFT ENGINES AND SUPERCHARGERS
Howard A. Alexanderson, Wood Ridge, and Harold A. Wheeler, Alwood, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 7, 1944, Serial No. 557,672
16 Claims. (Cl. 230—5)

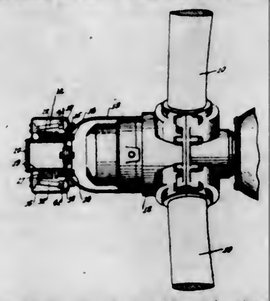


2. A control mechanism comprising, in combination, a floating lever, control means operably connected to one end of said floating lever, a membrane responsive to changes in an operating condition, means operably connecting said membrane to the other end of said floating lever, and a link connected between said control means and said membrane and across said floating lever for placing said membrane out of operating relation with said control means under predetermined operating conditions.

2,495,565
CENTRIFUGALLY TUNED LATERAL VIBRATION ABSORBER
John G. Baker, Evansville, Wis., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 3, 1946, Serial No. 681,217
9 Claims. (Cl. 170—159)

1. A lateral vibration absorber for an aircraft propeller arranged for rotation about a predetermined axis, comprising a casing rotatable with

said propeller, a floating ring in said casing capable of vibrating laterally of said axis, means for causing said ring to move longitudinally of said axis in response to any lateral movement thereof, a thrust member movable longitudinally of said axis in said casing and arranged to exert force parallel to said axis on an annular face of



said ring, and centrifugally actuated means in said casing opposing movement of said thrust member longitudinally of said axis to restrain motion of said ring longitudinally of said axis and hence movement thereof laterally of said axis with a restoring force proportional to the lateral displacement of said ring.

2,495,566

PRODUCTION OF INSOLUBILIZED FILAMENTARY PRODUCTS BY THE WET SPINNING OF PROTEIN SOLUTIONS

Walter Anderson Caldwell, West Kilbride, and James Jack, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 19, 1945, Serial No. 606,022. In Great Britain August 9, 1944

7 Claims. (Cl. 18—54)

1. In a method for the manufacture of artificial filamentary products of protein material by the wet-spinning of alkaline protein solutions into acidic saline coagulating baths, the steps which comprise stretching the coagulum in a weakly alkaline, non-hardening, swelling bath comprising an aqueous solution of an aryl amine at a temperature of between 20° C. and 50° C., washing the swollen and stretched coagulum without relaxing the tension with an aqueous, non-solvent, non-hardening, coagulum shrinking bath and then insolubilizing the resulting product in untensioned condition in an acidified concentrated saline formaldehyde bath.

2,495,567

PREPARATION OF ACID DERIVATIVES FROM UNSATURATED COMPOUNDS

Marvin Carmack, Swarthmore, Pa., and De Los F. De Tar, Buffalo, N. Y., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 18, 1945, Serial No. 611,452

11 Claims. (Cl. 260—247)

4. A process for preparing an amide of a carboxylic acid which comprises reacting by heating in excess of 100° C. a mixture of a hydrocarbon which possesses an acyclically unsaturated chain, sulfur, and a basic trivalent nitrogen compound in which the nitrogen carries at least one hydrogen atom and any other N-substituent is a member of the class consisting of alkyl groups of not over eight carbon atoms, the divalent

$$-CH_2CH_2OCH_2CH_2-$$

group, and divalent polymethylene chains of four to five carbon atoms, the amount of sulfur and nitrogen compound in the reacting mixture being more than chemically equivalent to the said hydrocarbon.

8. A process for preparing phenylacetothiomorpholide which comprises mixing together styrene, sulfur, and morpholine, the amount of sulfur and morpholine in the mixture being in chemical excess of the styrene, heating the mixture at a temperature between 130° C. and 230° C., and separating the thiomorpholide from the reaction mixture.

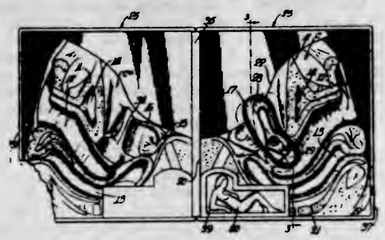
2,495,568

CLINICAL MODEL

Leo Coel, New York, N. Y., assignor to Holland-Rantos Company, Inc., a corporation of New York

Application December 30, 1948, Serial No. 68,163

4 Claims. (Cl. 35—17)



1. A clinical demonstrating model of the female pelvis, comprising a half section of the pelvis including the section of the vaginal canal and the uterus with its cervical end protruding into said canal, said uterus replica including two relatively displaceable longitudinal halves, one of said halves being integrally molded with the model and the other half being pivotally mounted thereon through an axis beyond the cervix to permit a variety of adjustments thereof for demonstrating various degrees of ante-flexion and retro-flexion of the uterus.

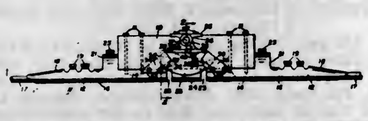
2,495,569

TROLLEY SECTION SWITCH

John Francis Conrad, Ebensburg, Pa.

Application April 21, 1947, Serial No. 742,791

1 Claim. (Cl. 191—39)



A trolley section switch comprising a flat base member, trolley wire sections extending along the bottom of said member and spaced apart with confronting ends, lateral shelves on said sections adjacent the confronting ends thereof and extending from one and the same side of said member, separated pairs of laterally spaced contact plates fixed on said shelves in planes parallel to the median plane of said member, a rock shaft journaled in said member transversely thereof, a handle on one end of said shaft for rocking the same, and a switch blade on the other end of said shaft swingable in opposite directions by oscillation of the shaft to bridge said pairs of contacts in either direction in which the same may be swung.

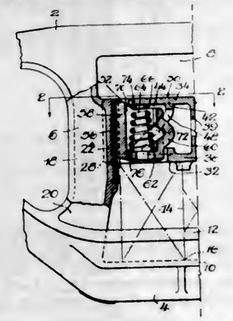
2,495,570

TRUCK ARRANGEMENT

Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application January 12, 1945, Serial No. 572,453

3 Claims. (Cl. 105—197)



1. In a railway car truck, a side frame comprising spaced columns and an intervening bolster opening, a bolster end resiliently supported on said frame in said opening, a pocket in each side of said bolster end, said pocket comprising a top wall and spaced flat diagonal surfaces facing an adjacent column, a friction shoe in said pocket comprising a bottom wall spaced from said top wall and spaced crowned wedge faces in slidable engagement with said diagonal surfaces, said shoe having a substantially vertical friction wall in frictional engagement with the adjacent column, and a substantially vertical coil spring extending between said diagonal surfaces and having the upper end thereof bearing against said top wall and the lower end thereof bearing against said bottom wall and being operative to urge said shoe along said diagonal surfaces and thus said friction wall of the shoe into said frictional engagement with the adjacent column, said spring being of conical form and presenting an outer surface sloping upwardly away from said front wall to afford a clearance therefor upon rocking movement of said shoe or lateral movement of said shoe along said surfaces toward said spring.

2,495,571

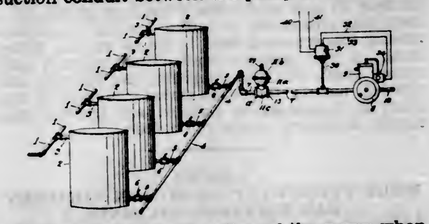
PUMP SYSTEM AND CONTROL

George C. Davis, Oak Park, Ill., assignor to Davis Regulator Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1944, Serial No. 547,406

6 Claims. (Cl. 103—26)

1. A liquid-containing reservoir, a conduit so positioned and connected as to receive liquid flowing under the influence of gravity therefrom, a valve adapted selectively to open and close the conduit, a float chamber in connection with the conduit between the valve and the reservoir, a float in the chamber, a connection between the valve and the float adapted normally to hold the valve open and to close the valve when the level of the liquid in the chamber reaches a predetermined minimum, a pump and means for driving it, a suction conduit between the pump and the valve, a control device communicating with the suction conduit between the pump and the valve



adapted to stop the operation of the pump when the pressure in the suction conduit reaches a predetermined minimum.

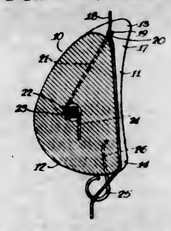
2,495,572

JIFFY SLIP FISHING SINKER

Walter H. Deutsch, Seattle, Wash.

Application March 12, 1947, Serial No. 734,065

1 Claim. (Cl. 43—52)



A fishing sinker of the type described, having a slightly concave forward edge, a curved top and bottom, a convex rear edge, and convex sides, said forward edge being provided with a slot to receive a fishing line, said sides having alined apertures therethrough near the curved top, said sinker having a recess in one side thereof, a spring arm having a coiled portion adjacent one end thereof which is mounted in said recess in the side of the sinker, said spring arm having the other end thereof at right angles to the intermediate portion thereof to pass through said apertures to guide said line in said slot, and a series of coils mounted on the bottom of said sinker to receive the line below the sinker to hold said sinker fixed to said line, and adapted to release said line upon a downward pull thereon so that said sinker can slide on said line being retained thereon by said spring arm.

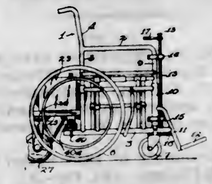
2,495,573

MOTOR ATTACHMENT FOR WHEEL CHAIRS

Samuel Duke, Chicago, Ill.

Application October 13, 1948, Serial No. 54,290

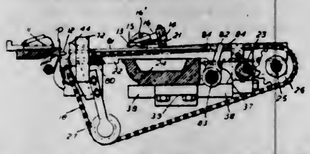
3 Claims. (Cl. 180—15)



1. In a motor attachment for wheel chairs, a platform, a traction wheel supporting said plat-

form, a motor upon said platform operatively connected to said traction wheel, a rotary shaft secured to and depending from said platform, a sectional adjustable coupling, readily removable means for securing said coupling to the wheel chair, a ball bearing connection between said rotary shaft and said coupling, and starting and control means for said motor secured to the chair in proximity to an occupant thereof, said means including a control button.

2,495,574
WELT-TURNING APPARATUS IN STRAIGHT BAR KNITTING MACHINES
Aubrey G. Edwards, Galon Uchaf, Merthyr Tydfil, and Henry Hooper and John Charles White, Baldock, England, assignors to Dowlais Hosiery Mills Limited, Dowlais, England
Application April 23, 1946, Serial No. 664,276
In Great Britain January 19, 1945
17 Claims. (Cl. 66—96)



1. In a straight bar knitting machine including needles, welt-turning apparatus comprising welt hooks for drawing the welt fabric away from the needles, transfer points, means for operating said hooks and points to cause sequentially: the points to engage in the thread kinks of an initial welt course, the hooks to engage with the transfer points to permit the passage of the kinks therebetween, the movement in unison of the hooks and points away from the needles to cause transfer of the kinks to the hooks, movement of the hooks and points away from each other and movement of the points to transfer relation with the needles; and means for drawing a bight of welt fabric after unison movement of said points and hooks and for thereby moving the kinks from the hooks onto the points.

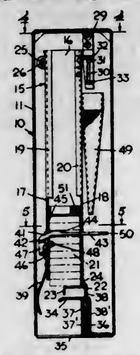
2,495,575
METHODS AND MATERIALS FOR STIFFENING PAPER MATCH SPLINTS
Herbert Ellern, St. Louis, Mo., assignor to Universal Match Corporation, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 7, 1947, Serial No. 733,190
1 Claim. (Cl. 52—26)

A stiffening impregnant for paper-board having approximately the following composition:

	Parts by weight
White paraffin	67
Limed rosin	15
Opal wax	7
Carnauba wax	11

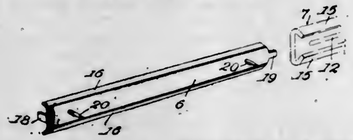
2,495,576
AUTOMATIC VENDING MACHINE
Axel Eliason, deceased, late of Whitestone, N. Y., by Esther E. Eliason, administratrix, Whitestone, N. Y., assignor to Briam Industrial Corporation, New York, N. Y., a corporation of New York
Application November 15, 1945, Serial No. 628,719
9 Claims. (Cl. 194—2)

1. In a vending machine, a support, an article holder swingingly mounted on said support and normally maintained in a substantially vertical position, a shelf located below said article holder for receiving an article from the holder as the latter is swung from its vertical position, means for engaging and removing an article from the



holder during the initial swinging movement of the latter, and a downwardly projecting element carried by said article holder for engaging and removing the article from the shelf when the holder is swung back to its vertical position.

2,495,577
MILITARY RIBBON BAR
Harry Elkies, Brooklyn, N. Y., assignor to Gemsco Inc., a corporation of New York
Application July 3, 1946, Serial No. 681,318
1 Claim. (Cl. 40—1.5)

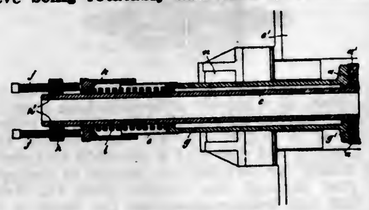


A military ribbon bar comprising an elongated flat strip of sheet material of uniform thickness throughout its area and adapted to lie against a garment, said strip having rearwardly projecting attaching means and having integral forwardly diverging flanges along its longitudinal edges, said flanges being flat and of uniform thickness throughout their areas and coacting with the body portion of said strip in forming a channel, ribbon-carrying means in front of said strip and spanning said channel, said ribbon-carrying means having rearwardly converging flanges embracing said forwardly diverging flanges of said strip, and forwardly projecting tongues integral with the ends of said strip and abutting the ends of said ribbon-carrying means to hold the latter against sliding from said strip, the aforesaid channel serving to accommodate the clinched end of an emblem-attaching prong if such a prong be used to attach an emblem to said ribbon-carrying means.

2,495,578
FURNACE CONVEYER
John Fallon, Smethwick, England
Application February 10, 1947, Serial No. 727,664
In Great Britain November 29, 1946
2 Claims. (Cl. 263—6)

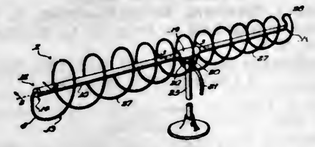
1. In a furnace conveyor having conveyor rollers consisting of alternate refractory and metal-

lic discs, a shaft for said discs, bearings for rotatably mounting said shaft, each of said bearings being located exteriorly of one of a pair of aligned holes through opposed walls of said furnace, a sleeve slidably mounted on and near one end of said shaft and having a face bearing against the outermost one of said discs, said sleeve being rotatably and slidably mounted in



one of said bearings, a collar secured to said shaft outside the other end of said sleeve, an inwardly turned cup slidingly mounted on said shaft between said collar and the outer end of said sleeve, a coiled spring extending between the outer end of said sleeve and into and against said cup, and means for relatively adjusting said cup and said collar axially on said shaft.

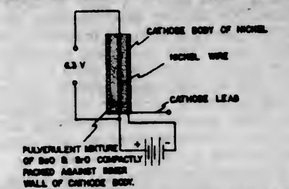
2,495,579
ANTENNA
William T. Ferris and Frank J. Klancnik, Jr., Chicago, Ill.
Application March 5, 1949, Serial No. 79,796
14 Claims. (Cl. 250—33)



1. Antenna structure comprising elongated rod means forming a di-pole antenna component adapted to resonate to radio waves of selected frequency, and another component comprising an elongated cage of conducting material, said cage being substantially the same length as said rod means and being insulated from an enclosing said rod means along the full length of said rod means and adapted to resonate to radio waves of different frequency, said cage being supported by and inductively coupled to said rod means, and connection means for connecting electrical translating apparatus across the central portion of said elongated rod means.

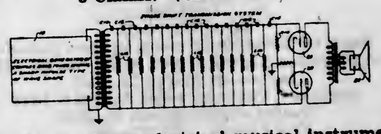
2,495,580
INDIRECTLY HEATED CATHODE
Bernardus Octavianus Maria Gall, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 11, 1946, Serial No. 653,691
In the Netherlands October 15, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 15, 1961
1 Claim. (Cl. 250—27.5)

An electron discharge tube system comprising an electron discharge device having a cathode comprising a tubular conductive body, a conductive heater element within said body, and a pulverulent alkaline earth oxide compactly filling the space between said body and said element, means connecting said cathode body to the negative terminal of a unidirectional source



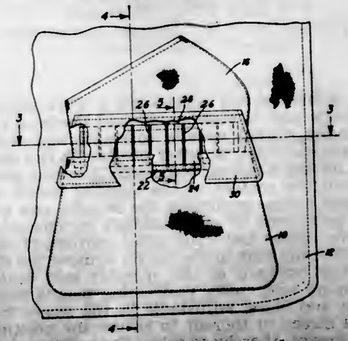
of voltage, and means connecting said heater element to the positive terminal of said unidirectional source of voltage.

2,495,581
ELECTRICAL TRANSMISSION SYSTEM FOR MUSICAL INSTRUMENTS
John M. Hanert, Park Ridge, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application December 23, 1944, Serial No. 569,569
3 Claims. (Cl. 84—1.19)



1. For use in an electrical musical instrument having a generator of electrical signal waves of the sharp impulse type corresponding to musical tones of complex quality in the bass and sub-bass pitch ranges, the combination of a phase distorting transmission line for transmitting the signals from the generator, said line comprising a plurality of series connected capacitors and shunt connected inductances of such values as to cause the various partials of the complex bass tone signals to be shifted in phase substantially relative to one another, and an amplifier and electroacoustic translating means coupled to the output end of said line.

2,495,582
MUFF POCKET FOR HUNTING GARMENTS
Edgar M. Henderson, Altoona, Pa.
Application September 11, 1947, Serial No. 773,345
3 Claims. (Cl. 2—94)

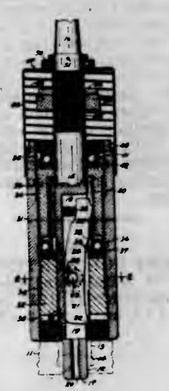


2. In a pocket construction, a lower pocket panel having an opening at the top thereof, an

upper pocket panel having an opening at the side thereof and having its lower end disposed behind said lower pocket panel, a flap secured to said upper panel for closing said opening at the top of said lower panel, a strip of material secured to said upper panel and disposed partially within said lower panel, transverse rows of stitches in said strip and in said upper panel forming individual shell retaining recesses, said flap covering said strip, and means for supporting said strip including folds in the bottom of said upper panel extending around a portion of said strip.

3. In a pocket construction, a lower pocket panel, an upper pocket panel having an opening at the side thereof, said upper pocket panel having a lower folded end disposed behind said lower panel, a strip having a lower edge, a row of stitching fastening said strip lower edge to said upper pocket panel folded end, a flap stitched to said upper panel and overlying said strip and a part of said lower pocket panel, a plurality of substantially parallel spaced rows of stitches fastening said strip to said upper pocket panel and together with said row of stitching forming cartridge pockets.

2,495,583
BORING TOOL
Hugh D. Heron, Outremont, Quebec, Canada
Application August 7, 1947, Serial No. 767,133
In Canada March 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 28, 1965
3 Claims. (Cl. 77—58)



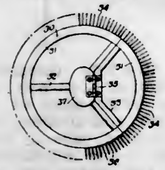
1. A boring tool comprising a work engaging sleeve; a pair of bushings in said sleeve; a longitudinally slotted spindle rotatable and slidable in said bushings; a cutter pivoted in the spindle slot, having a tail portion normally spring pressed beyond the surface of the spindle; cutter positioning means encircling the spindle and cutter and positioned by said bushings for engagement by the cutter tail upon axial movement of the spindle relatively to the sleeve, to move the cutter radially outward of the spindle; said bushings clamping said cutter positioning means between them and being adjustable in the sleeve in the axial direction thereof to adjust the position of said means, thereby to select the portion of spindle travel in which the cutter is projected from the spindle.

2,495,584
ELECTRIC OUTLET BOX
John Leroy Hook, Auburn, Ind.
Application September 20, 1946, Serial No. 698,369
1 Claim. (Cl. 220—3.2)



In an outlet box, a circular disk shaped section made of a plastic nonconducting moldable material having an annular flange with grooves spaced at 90 degree intervals, said section having a knock out disc and a plurality of holes so that means for securing the section to a support can pass through the section after the knock out disc has been removed or the holes in the section, a second similarly shaped section having a similarly shaped flange with similarly shaped grooves cooperating with the grooves in the first section to provide passages for conduits, each of said flanges having threaded holes intermediate of said grooves to receive screws to secure the sections together, said second section having an aperture, threaded openings in said second section about the aperture therein, screws in said openings and a cover plate having slots therein, said slots adapted to be engaged by the screws to secure the plate to the second section to cover said aperture.

2,495,585
TRANSFER RING
William J. Kuehnel, Bridgehampton, N. Y., assignor of one-half to John G. G. Merrow, New York, N. Y.
Application March 6, 1947, Serial No. 732,850
8 Claims. (Cl. 66—148)



1. A transfer ring for a dial knitting machine comprising a circular wheel shaped frame equipped with a plurality of quills on its outer periphery, said frame consisting of at least two members which are movable relative to each other, said quills being concave and adapted to engage the needles of said machine whereby the loops of fabric on said quills can be transferred to the needles of said machine.

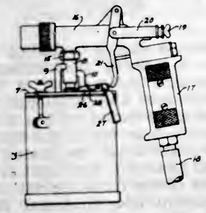
2,495,586
NEEDLE HOLDER
Edward G. Kufall, Cleveland, Ohio
Application August 4, 1948, Serial No. 42,399
3 Claims. (Cl. 112—226)

1. A needle holder comprising a needle carrier body having a plurality of parallel bores extending inwardly from the bottom thereof, elongate slots in said body opening into each of said bores and extending generally axially thereof, said slots including terminal portions opening into said bores and extending circumferentially thereof, a cylindrical needle-carrying cartridge in each of said bores, said cartridges each having an axially extending opening therein adapted to receive the shank of a needle, a needle pinch screw and operating lever extending through each of said slots into the cartridge in the bore associated therewith, spring means connected to said body



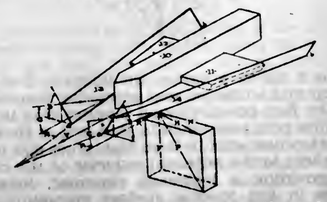
and said operating levers for yieldably retaining said operating levers in the terminal portions of said slots, a projecting ledge on the lower portion of said body, and a plurality of thread guiding openings in said ledge.

2,495,587
PAINT SPRAY APPARATUS
Thomas R. Magowan, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application October 24, 1947, Serial No. 781,979
2 Claims. (Cl. 299—88)



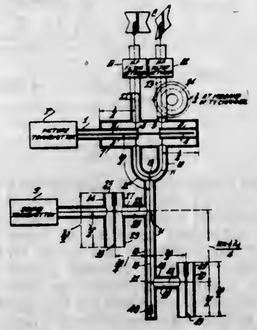
1. In a paint spray apparatus, including a tank having a paint compartment and a paint solvent compartment, a closure for said tank, a main vertical conduit positioned above said closure, branch conduits connecting said compartments and said main conduit, said main conduit being formed with an upwardly extending bore having its upper end opening into a discharge orifice and its lower end open to receive a sliding multiported valve therein, said valve being shiftable in said main vertical conduit to selectively open communication between said branch conduits and said orifice, resilient means normally urging said valve downwardly against said closure, manual means for shifting said valve vertically, and stop means for limiting the upward movement of said valve.

2,495,588
SPEEDBOAT
John S. Mason, Columbus, Ohio
Application March 19, 1946, Serial No. 655,522
8 Claims. (Cl. 114—66.5)



1. In a speed boat, the combination of a hull provided with means for propelling the same, and a pair of supporting planes attached to the sides of said hull and converging towards the bow of said hull and inclined outwardly and oppositely to the water's surface, and means for supporting said planes in spaced relation to said hull to allow free passage of water around said planes and to present the outer and inner inclined surfaces of said planes to the action of the water to provide both lifting and stabilizing forces to the boat in its various movement through the water.

2,495,589
RADIO FREQUENCY TRANSMISSION NETWORK
Robert W. Masters, Eriton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 21, 1947, Serial No. 762,479
8 Claims. (Cl. 178—44)



1. In a radio frequency transmission network including a plurality of sources of high frequency waves, individual transmission lines from each of said sources to a common junction point, output transmission lines from said junction point to an antenna, filter circuits in each of said output transmission lines adapted to block the passage of sidebands to one side of the frequency of one of said sources and means in the transmission line from the other of said sources effective to absorb energy appearing therein from the said one of said sources.

2,495,590
SHOE CONSTRUCTION
Jack Meltzer, New York, N. Y.
Application July 28, 1945, Serial No. 607,624
2 Claims. (Cl. 36—19.5)



1. In a shoe, an upper provided in the heel region thereof with a lining defining a downwardly-opening pocket, a counter in said pocket, an outer sole, and an insole having its edge stitched to the upper along a line substantially parallel to but offset inwardly from the edge of the upper, said insole terminating short of the heel region to leave said pocket opening accessible for insertion of said counter, the margin of the upper beyond said insole defining an anchor-

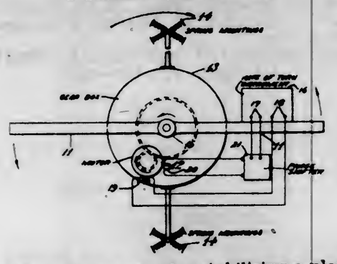
ing extension which is turned in to lie beneath said counter in the heel region of the shoe and between the insole and outer sole in the shank and toe regions.

2,495,591

CONTROL EQUIPMENT FOR STABILIZING A PLATFORM MOUNTED IN A CRAFT

Frederick William Meredith, Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited, a British company

Application February 21, 1944, Serial No. 523,346
In Great Britain September 27, 1943
5 Claims. (Cl. 318—18)



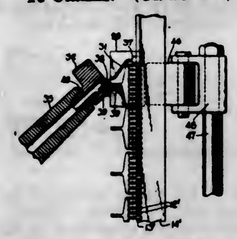
1. Control equipment for stabilising a platform pivoted in a craft about an axis about which it is to be stabilized comprising, a motor having a rotor axis arranged parallel to said platform axis, a gear box coupling the motor to the platform to effect rotation thereof about the said axis in the opposite direction to the motor, a rate-of-turn device mounted on the platform and responsive to the rotation thereof about the said axis, control connections between the device and the motor, said control connections operating the motor in a direction to effect stabilization of the platform and at a rate proportional to the displacement of the platform about said axis, and a spring mounting carrying platform, gear box and motor, the product of the gear ratio and the moment of inertia of the motor being not less than the moment of inertia of the platform and parts mounted thereon.

2,495,592

METHOD OF FORMING SEPARABLE FASTENER STRINGERS

Louis H. Morin, Bronx, N. Y.

Application January 17, 1945, Serial No. 573,253
16 Claims. (Cl. 18—59)



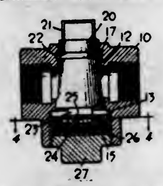
12. In die casting machines employing a pair of dies having cavities of different contour, said dies having independent gate passages, one leading to a cavity of one contour, and the other to a cavity of a different contour, an injector nozzle having independent discharge passages, said nozzle being in contact with the dies and movable relatively thereto, during said contact to bring the discharge passages of the nozzle in registering alinement with the independent gate passages of said dies whereby in one position of the nozzle relative to the dies, casting material is injected into only one of said gate passages to form a casting of one contour, and in another position of said nozzle, both discharge passages are in registering alinement with both gate passages to simultaneously form castings of both contour in said dies.

2,495,593

METER STOP

Lucien W. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application June 11, 1945, Serial No. 598,757
2 Claims. (Cl. 251—93)



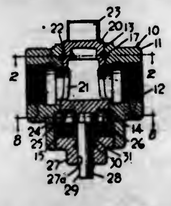
1. In a valve, a casing including a flow passageway and a tapered seat extending transversely of the flow passageway, a tapered plug including a flow port and positioned in said seat, the casing being provided with a threaded bore extending axially from the larger end of the casing seat to the exterior of the casing and providing a lubricant chamber, lubricant grooves in the seating surface communicating with the bore, an apertured resilient disc threaded in the inner portion of the threaded bore and having antifrictional engagement with the larger end of the plug, and a cap threaded in the outer end of the threaded bore independently of the disc to close the lubricant chamber and whereby lubricant in the chamber can be placed under pressure.

2,495,594

METER STOP

Lucien W. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application June 11, 1945, Serial No. 598,758
6 Claims. (Cl. 251—93)



1. In a valve, a casing including a flow passageway and a tapered seat extending transversely of the flow passageway, a tapered plug including a flow port positioned in said seat, a threaded bore extending axially from the larger end of the casing seat to the adjacent exterior of the casing and providing a lubricant chamber, lubricant grooves in the seating surface communicating with the lubricant chamber, a cap threaded in the outer end of the threaded bore and adapted

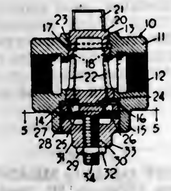
to be operated to place the lubricant under pressure, plug securing means threaded in the inner portion of the bore and engaging the larger end of the plug, and operating means for the plug securing means extending through said cap to the exterior of the valve.

2,495,595

METER STOP

Lucien W. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application June 11, 1945, Serial No. 598,759
5 Claims. (Cl. 251—93)



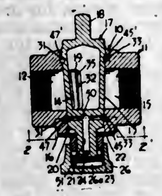
1. In a valve, a casing including a flow passageway and a tapered seat extending transversely of the flow passageway, a tapered plug including a flow port positioned in said seat, a threaded bore extending axially from the larger end of the casing seat to the adjacent exterior of the casing and providing a lubricant chamber, lubricant grooves in the seating surface communicating with the lubricant chamber, a cap threaded in the outer end of the threaded bore and adapted to be operated to place the lubricant under pressure, plug securing means threaded in the inner portion of the bore and engaging the larger end of the plug, said cap having a central bore therethrough, and an operating stem for the plug securing means threaded in the cap bore and extending therethrough to the exterior of the cap.

2,495,596

LUBRICATED VALVE

Frank H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application June 27, 1945, Serial No. 601,735
14 Claims. (Cl. 251—93)



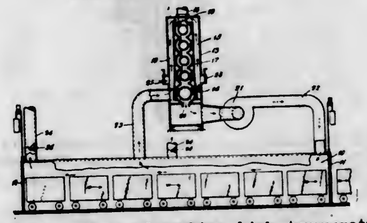
1. In a valve, a casing including a flow line and a tapered seating surface extending transversely of the flow line, the smaller end of the seating surface opening to the exterior of the casing, a ported plug including a tapered seating surface to engage the casing seating surface, at least one of the seating surfaces being provided with lubricant grooves, a stem on the smaller end of the plug, a shoulder element on the stem, a washer positioned between the stem shoulder element and an opposed surface on the casing, a recessed element adjustably engaging the stem shoulder element and cooperating with the latter to form an adjustable lubricant chamber, and the plug stem being provided with a passage extending from the seating surface lubricant grooves to the interior of the lubricant chamber.

2,495,597

BONDING MINERAL INSULATING MATERIAL

Henry Napier, Springfield, Ill., assignor to F. E. Schundler & Co., Inc., Joliet, Ill., a corporation of Illinois

Application December 22, 1947, Serial No. 793,095
6 Claims. (Cl. 18—47.5)



1. The method of making high temperature mineral insulating material which comprises molding a wet mixture of bentonite as a dispersing agent and minute particles of Portland cement substantially completely hydrated when dispersed by said bentonite, the particles of Portland cement having a low bulk density and adapted to form when bonded together a refractory insulating material weighing not more than twelve to fourteen pounds per cubic foot, said Portland cement normally including about 13 to 20% of lime and said bentonite normally including about 20% alumina and 60% silica, said alumina and silica being adapted to combine with said lime to form calcium aluminates and silicates respectively to bond said hydrated particles of cement together, said mixture also including additional silica so that with the silica and alumina from the bentonite sufficient silica will be present to combine with substantially all said lime, and then while the molded material is wet and before completion of reaction between the bond forming substances surrounding the material with a heating atmosphere of hot air about 212° F. but not exceeding 600° F. having no more carbon dioxide than is present in ordinary atmospheric air, continuing heating in said atmospheric air until reaction of said bonding substances is substantially completed, said reaction in an atmosphere substantially free from carbon dioxide developing a bond to bond the particles of Portland cement together to provide a bonded material having a modulus of rupture of about fifty pounds.

2,495,598

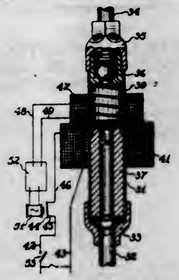
ELECTRICALLY OPERATED PUMP

Leland C. Parker, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware

Application December 19, 1945, Serial No. 635,953
6 Claims. (Cl. 172—126)

1. In an electromagnetic motor for a fluid pump a non-magnetic cylinder, a piston of magnetic material slidable in the cylinder, a spring urging the piston toward one end of the cylinder, a solenoid surrounding the cylinder adapted when energized to move the piston against the spring toward the other end of the cylinder, means for energizing said solenoid including a source of alternating electrical current, a control coil surrounding the cylinder in position such that reciprocation of the piston in the cylinder causes it to

move into and out of said coil, an alternating current relay comprising an electro-magnet and normally closed contacts which are opened by energization of said electro-magnet, and connections



from the control coil to the electro-magnet of the relay for energizing said electro-magnet by means of alternating current flowing through said control coil.

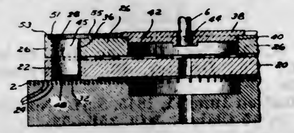
2,495,599
CASTOR FOR FURNITURE AND THE LIKE
Alfred Pinnick, Birmingham, England
Application August 26, 1945, Serial No. 611,554
In Great Britain November 22, 1944
2 Claims. (Cl. 16—26)



1. A castor for furniture and the like comprising, in combination, an inverted hemispherical cup having an upwardly extending mounting means, a plurality of small roller balls covering the inner surface of said cup, a spherical castor ball nested in said roller balls in said cup, a ball retainer having a planar flange extending radially outwardly of said castor ball, the inner edge of said flange being equatorially circumjacent said castor ball, said retainer also having an upwardly extending second flange closely embracing the lip of said cup and extending upwardly and inwardly therearound forming a superimposed equatorial zone thereon of an outer diameter greater than that of said hemispherical cup, the upper edge of said second flange forming an annular ledge, and a flattened hemispherical glider having an aperture at its downwardly directed pole through which said castor ball protrudes slightly, the rim of said glider extending upwardly around the second flange of said retainer and inwardly over said ledge for retaining said glider on said castor.

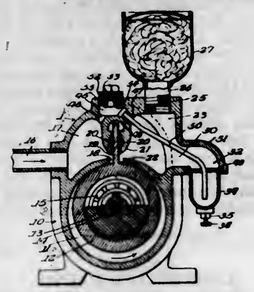
2,495,600
LAPPING MACHINE
Marcus Ramsay, New York, N. Y.
Application June 2, 1947, Serial No. 751,785
5 Claims. (Cl. 51—161)

5. In a lapping machine of the class described, the combination with opposed lapping members and means for effecting relative lapping movements thereof, of a work holder provided with spaced openings therethrough to receive and loosely confine, in separated relation to each other, articles the opposite faces of which are to be lapped, one of said lapping members having a lapping surface of an area sufficient to engage simultaneously, throughout the lapping operation, the faces of all the articles to be lapped which are exposed on one face of said work holder and the other lapping member comprising interconnected fingers adapted to enter the work holder openings and to press the articles therein into lapping engagement with the first-men-



tioned lapping member, said fingers having lapping faces on their article engaging ends provided with intersecting and intercommunicating lapping liquid distributing grooves and each having a conduit therethrough for conducting lapping liquid to its lapping face at an intersection of said grooves.

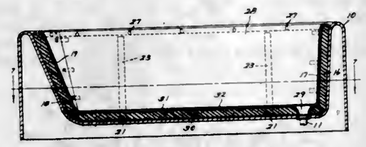
2,495,601
PUMP OILING MEANS
Emanuel Rawson, Chicago, Ill., assignor to Rite-Way Products Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1945, Serial No. 613,798
15 Claims. (Cl. 230—207)



1. An air flow device comprising a casing having a top, means including a partition extending downwardly from the top of the casing and dividing the casing into an air inlet chamber and a discharge chamber, means for drawing air from the inlet chamber and discharging that air into the discharge chamber, the top of the casing having a pair of communicating openings therethrough on opposite sides of the partition and communicating with the respective chambers, an oil well at the lower part of the discharge chamber, a tube extending from the oil well through one of said openings, means forming a sealing cover over the portion of the top of the casing where the two openings are located whereby the preponderance of pressure in the discharge chamber over that in the inlet chamber causes oil to flow from the oil well through the tube thence through the opening that leads to the inlet chamber.

2,495,602
PROTECTIVE PAD FOR BATHTUBS
Domenic Rinaldi, Ambridge, Pa.
Application March 26, 1947, Serial No. 737,225
1 Claim. (Cl. 4—185)

In a protective pad for bath tubs formed from lateral pads, and front and rear pads, and having waterproof covering on said pads, the improvement comprising a U-shaped strap iron member having a base conforming to the contour of the bottom of the tub and offset uprights for engaging and holding the lateral pads in the tub, a lining covering the pads after said pads

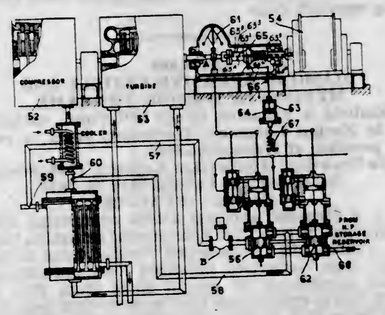


have been positioned in the tub, a bottom pad positioned in the base of the U-shaped strap iron members, a flap on said lining covering said bottom pad after it has been placed in said tub, and means for connecting said pads together and said lining to said pads.

2,495,603
AUTOMATICALLY CONTROLLED ELECTRIC PRESSURE COOKER
Marion E. Ryan, Dearborn, Mich., assignor, by mesne assignments, to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application June 30, 1947, Serial No. 758,080
2 Claims. (Cl. 219—43)

1. An electrically heated pressure cooker set adapted to control cooking pressure closely at different predetermined levels, a base comprising a vertical chimney-like wall and having an open top and bottom, a low heat capacity electric heating element at the top of said base, a pressure responsive switch in said base for controlling current flow to said element, means for adjusting the pressure at which said switch operates including an adjusting button at the side of said base, a pressure cooker vessel for use on said base, said base and vessel being shaped to provide for a convection flow of air through said base, past said heating element, and upwardly around the edges of the bottom of said vessel, a rigid nipple extending laterally from a side of said vessel, a valve in said nipple, a flexible conduit secured at one end to said base, a connection in said base between said flexible conduit and said pressure responsive switch, and quick releasable means at the free ends of said nipple and said flexible conduit for connecting said ends together.

2,495,604
METHOD OF AND APPARATUS FOR CONTROL OF THERMAL POWER PLANTS OF THE CLOSED CIRCUIT TYPE
Fritz Salzmann, Zurich, Switzerland, assignor to Aktiengesellschaft-Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application February 7, 1945, Serial No. 576,542
In Switzerland December 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 29, 1963
6 Claims. (Cl. 290—2)

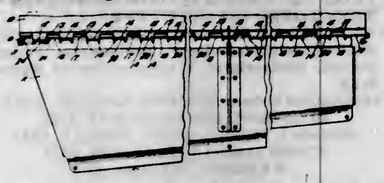


4. Thermal power plant, in which at least the greater part of a gaseous working medium, preferably air, describes a circuit, comprising an external combustion source of heat by which heat is supplied to the working medium; at least one turbine in which the working medium thus heated up is allowed to expand; an electric generator driven by said turbine; at least one compressor also driven by said turbine for compressing the expanded working medium again to a higher pressure; means responsive to the speed of said turbine serving to control supply of working medium to the high-pressure section of said circuit on a drop in speed occurring and withdrawal of such medium from said high-pressure section on an increase in speed occurring; means for measuring the output of said generator; and supplementary means controlled by said output measuring means and serving in response to a sudden drop in the output of said generator to cause a sudden, brief withdrawal of working medium from the high-pressure section of said circuit and in response to sudden increase in the output of the generator to cause a sudden, brief supply of working medium to said high-pressure section.

2,495,605
AIRCRAFT CONTROL HINGE CONSTRUCTION
Richard E. Saunders and Ralph P. Johnston, Wichita, Kans., assignors to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application April 10, 1947, Serial No. 740,558
5 Claims. (Cl. 16—128)

5. The hinge construction herein disclosed and comprising companion hinge leaves having folded edges divided transversely into separate loops, certain of said loops projecting to form pintle embracing hinge loops spaced apart along the hinge axis and other of said loops indented in the form of pintle abutting, open bearing segments, said leaves being aligned and arranged with the hinge loops and open bearing segment

loops of the leaves in staggered relation and a pintle extending through the aligned hinge loops



and engaged at opposite sides by the open bearing segment loops.

2,495,606
DIAMOND ABRASIVE ARTICLE AND METHOD OF MAKING THE SAME
Reinhold A. Schaefer, Rocky Hill, Conn., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 3, 1948, Serial No. 42,347. In Canada May 28, 1946
14 Claims. (Cl. 51—308)

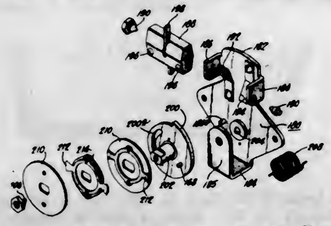
1. A diamond abrasive article comprising diamond grains free from detrimental oxidation held in a substantially unswelled vitrified bond structure that comprises pre-fired lead borosilicate glass comprising by weight silica from 20% to 55%, boric oxide from 10% to 40%, and lead oxide from 15% to 55%, the article being vitrified at and its bond having a maturing temperature between 500° C. and 750° C. and said glass having been made by prefiring at a temperature above that employed in maturing the article, and said article having a volume percentage of porosity not greater than 15 volume percent.

2,495,607
DIAMOND ABRASIVE ARTICLE AND METHOD OF MAKING THE SAME
Reinhold A. Schaefer, Rocky Hill, Conn., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 3, 1948, Serial No. 42,348. In Canada May 28, 1946
7 Claims. (Cl. 51—308)

1. A diamond abrasive article comprising diamond grains free from detrimental oxidation held in a substantially unswelled vitrified bond structure that comprises pre-fired lead silicate glass consisting essentially of by weight silica 25% to 60% and lead oxide 40% to 70% the article being vitrified at and its bond having a maturing temperature between 500° C. and 750° C. and said glass having been made by prefiring at a temperature above that employed in maturing the article, and said article having a volume precentage of porosity not greater than 15 volume percent.

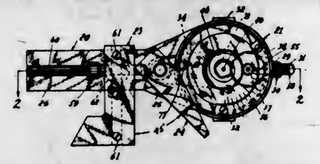
2,495,608
OVERLOAD PROTECTIVE DEVICE
Harold E. Schleicher, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Original application November 26, 1943, Serial No. 511,855. Divided and this application March 23, 1945, Serial No. 584,301
14 Claims. (Cl. 200—116)

1. Overload relay mechanism for electric switches comprising an insulating disc centrally recessed for reception of control contact mechanism, rotary switch mechanism biased toward open-circuit position and embodying latching means for holding said switch mechanism in closed-circuit position, said switch mechanism and latching means being mounted on one side of said disc, plural overload responsive means



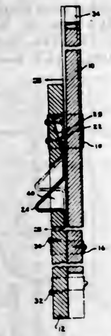
mounted on the opposite side of said disc and engageable with said latching means to trip the same on occurrence of overload conditions affecting any of said overload responsive means, and manual resetting means extending outside the disc for resetting said switch mechanism.

2,495,609
DIAL PROTRACTOR
Hugo F. Semrau, Verona, Pa.
Application November 6, 1945, Serial No. 626,918
6 Claims. (Cl. 33—75)



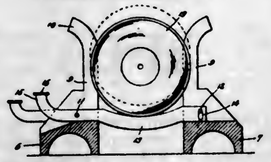
1. A dial protractor of the class described comprising a base; a pair of edges normally disposed opposite each other and both movably mounted on said base; one of said edges serving as a sliding edge and the other one serving as a measuring edge for measuring the degree of angles; a gear-housing mounted on said base provided with a centrally mounted stud having a center-pin; a train of gears in said housing; said sliding edge mounted for guiding in radial alignment with said center-pin and in a perpendicular direction with respect to the sliding base edge end of said base; an elongated cylindrical bar secured to the upper face of said base in radial alignment with said center pin; said sliding edge having secured to the underside thereof and in parallel alignment with said sliding edge an elongated cylindrical bar; a post provided at the upper and the lower ends with horizontally disposed apertures positioned at right angles to snugly receive the cylindrical bars of said base and said sliding edge; said post having correlated parallel apertures and slots to permit clamping of the sliding edge to said post by means of screws; said measuring edge mounted from movement in angular positions in respect to said sliding edge; a rotatable dial indicating equal degree divisions rotatably mounted on the center-pin of said stud in cooperation with a fixed vernier scale secured to the rim of said gear housing for measuring a fractional part of one of said divisions; a protractor arm having one end secured to said measuring edge and the other end thereof being provided with peripheral gear teeth in mesh with said train of gears adapted to rotate said dial at a certain ratio in respect to the angular motion of said measuring edge and means for oscillating the latter about said stud.

2,495,610
ADJUSTABLE CLOTHES POLE
Royal A. Smith, Detroit, Mich., assignor to The Strathmoor Company, Detroit, Mich., a corporation of Michigan
Application October 25, 1946, Serial No. 705,525
1 Claim. (Cl. 248—353)



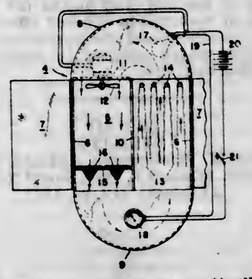
An adjustable clothes pole comprising a pair of rods, sleeves slidably interconnecting said rods for lengthwise extension and retraction relative to each other, one of said rods being provided with a wedge-shaped slot facing the other of said rods, a metal facing on the bottom of said slot, a roller in said slot and adapted upon relative movement between said rods in one direction to wedge between said face and said other rod so as to lock said rods against relative movement in said direction, a slidable release member movably mounted in a groove formed longitudinally in one of said rods and communicating with said slot, said member in said groove being positioned to engage said roller and dislodge it from its wedging position so as to free said rods for movement in such direction, and stops limiting lengthwise movement of said rods relative to each other.

2,495,611
RACK AND EJECTOR MEANS FOR PHONOGRAPH RECORDS
Max Swibel, Bronx, N. Y.
Application December 29, 1945, Serial No. 638,071
1 Claim. (Cl. 312—15)



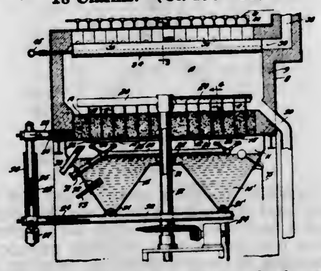
A phonograph rack comprising a pair of front and rear rails spaced apart parallel and connected together at ends thereof, upstanding members arising from said rails and spaced along the same with slots therebetween adapted to receive the front and rear edges of records therein whereby said records are separated by said members at front and rear edges of the records, and levers in the bottoms of said slots for supporting said records and ejecting the same from said slots upwardly, said levers normally resting on said rails and being pivoted between the upstanding members of the front rail for vertical swinging ejecting movement, and pin and slot connections between the upstanding members of said rear rail and said levers for limiting vertical movement of said levers.

2,495,612
FILM DRIER
Joe T. Trimble, Tulsa, Okla.
Application September 2, 1947, Serial No. 771,658
5 Claims. (Cl. 34—30)



1. A film drier comprising a vertically disposed approximately rectangular casing body having parallel rectangular side walls and parallel front and rear walls, each of the front and rear walls being of substantially oval shape, a substantially semi-cylindrical top and bottom for the casing, a substantially vertical partition arranged in the casing parallel to and about midway between the side walls and defining with the casing a substantially oval-shaped passageway, means in the passageway for supporting film, means in the passageway for forcing air to circulate therethrough, perforated trays supported in the passageway for receiving a moisture absorbing agent, and a door forming a part of one of the walls.

2,495,613
METHOD OF AND APPARATUS FOR CRACKING TARRY MATERIALS
Malcolm H. Tuttle, New Rochelle, N. Y.
Application May 21, 1946, Serial No. 671,219
18 Claims. (Cl. 196—55)



1. The method of cracking hydrocarbons, which comprises maintaining a bed of loose pieces of refractory material in a non-oxidizing atmosphere, supplying radiant heat to the bed from above and cooling the bed from below to maintain a temperature gradient in the bed which ranges from a point above the cracking temperature of the hydrocarbons to a point below the temperature at which thermal reactions take

place, feeding hydrocarbons in liquid form to the top of the bed, causing hydrocarbons to flow down through the bed, and withdrawing hydrocarbon vapors from the bed at its bottom.

8. Apparatus for treating hydrocarbons, comprising a chamber having a cracking compartment, a quenching compartment, and a partition between said compartments adapted to support a bed of loose pieces of refractory material in the cracking compartment and containing slits for the passage of hydrocarbons from one of said compartments to the other; the cracking compartment having means for supplying heat to the top of the bed, means for supplying hydrocarbons to the top of the bed, and means for preventing the pieces of material in the bed from becoming cemented together; and the quenching compartment having means adapted to provide a liquid curtain along said slits.

2,495,614
NECKTIE
Louis H. Vandermark, Augusta, Ga.
Application January 8, 1947, Serial No. 720,823
5 Claims. (Cl. 2—153)



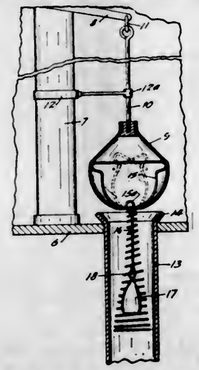
5. A necktie comprising a body having a knot forming blank on the upper end thereof, said blank having an upwardly extending part and a downwardly and forwardly folded portion forming the front of a knot, the lower side edges of said portion being folded rearwardly, clips on said edges, a string having one end secured to said blank and encircling said upwardly extending part and also tying said clips together.

2,495,615
WELDED COUPLING
William W. Vander Clute, Elizabeth, N. J., assignor to Round Root Corporation, Elizabeth, N. J.
Application April 17, 1944, Serial No. 531,344
3 Claims. (Cl. 285—106)



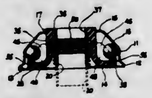
1. A metallic coupling member for use under pressure and providing a fused welded coupling between a hollow member having an aperture for receiving one end of said coupling member and for engaging a metallic tubular member at its other end, said coupling member having a bore extending therethrough, the end of said coupling member to be received within said aperture being formed to register with the internal surface of said hollow member, and a plurality of normally directed positioning elements on the exterior of said coupling member adjacent said one end, said positioning elements being oppositely disposed and lying along a transverse axis of said coupling member to engage the outer surface of said hollow member and position said one end of said coupling member within said aperture in registering relationship with the inner surface of said hollow member during welding operations, said positioning means comprising integral up-set lugs formed by upsetting material from the surface of said coupling member.

2,495,616
GUIDE FOR BALL VALVES
Gertrude S. Vilandré and Emile J. Vilandré, Brooklyn Center, Minn.
Application July 31, 1948, Serial No. 41,784
2 Claims. (Cl. 4—56)



1. For use with a ball valve and cooperating valve seat in a vertically disposed portion of a liquid flow conduit, a guide for centering said ball in said seat, comprising a weighted pendulum with an elongated arm adapted to be swingably attached to the lower central portion of said ball in depending relation thereto, a helical element surrounding said pendulum and, at least, a portion of said arm, means for attaching said pendulum to said ball, the helical element increasing the natural whirlpool swirling action of the liquid in said conduit to center said pendulum in said conduit and guide said ball into said seat.

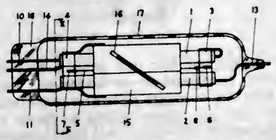
2,495,617
CENTRIFUGAL GOVERNOR DEVICE
Stanley Wallace, Des Plaines, Ill.
Application November 22, 1946, Serial No. 711,495
5 Claims. (Cl. 264—17)



1. As a unitary commercial article of manufacture, a centrifugal governor for selective removable attachment as a unit to a rotatable body for coaction with control means which govern the speed of rotation of said rotatable body, said governor comprising a generally circular generally cup-shaped shell-like casing member forming at one end a generally axially extending open-ended wall portion and at the other end a generally radially inwardly extending end wall portion, a generally circular disklike end plate member associated edgewise with said open-ended wall portion of said cup-shaped shell-like casing

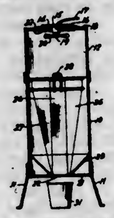
member and extending radially inwardly therefrom and forming a unitary housing therewith for selective removable attachment to said rotatable body for rotation with such rotatable body, the side wall of said casing member sloping angularly inwardly and merging with said generally radially inwardly extending end wall portion thereof, said end wall portion of said casing forming a centrally disposed opening, an operating element axially movably disposed within said housing, means for holding said operating element against rotation relative to said housing, said operating element forming at the end which faces the inside wall of said disklike end plate member a generally radially outwardly directed annular portion from which extends centrally axially solely toward the end wall portion of said casing a tubular shank with its free end projecting through the central opening therein for coaction with said control means, said tubular shank forming near its free end a radially inwardly directed shoulder, a coiled compression spring disposed within said tubular shank, one end of said spring being in engagement with said shoulder and the other end thereof being in engagement with the inside wall of said end plate member to bias said operating element in normal position relative to said housing with its annular portion axially away from the inside wall of said end plate member and with an appreciable portion of said shank protruding from the central opening in the end wall of said casing, and actuating bodies within said housing which respond to centrifugal force responsive to rotation of the rotatable body to which said governor is attached, said bodies coacting with the annular portion of said operating element and with the inwardly sloping side wall of said casing to effect axial inward retraction of said operating element for the purpose of moving the shank thereof axially inwardly to cause operative actuation of the control means associated therewith.

2,495,618
ELECTRODE STRUCTURE FOR SPACE DISCHARGE TUBES
Geoffrey William Warren, Eastcote, Pinner, England, assignor to The M-O Valve Company Limited, London, England
Application May 6, 1948, Serial No. 25,330
In Great Britain May 16, 1947
9 Claims. (Cl. 250—27.5)



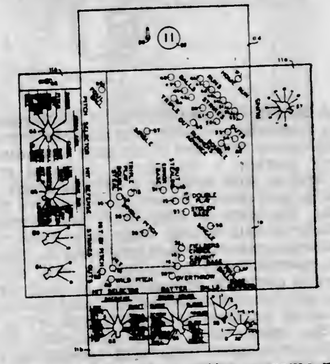
4. An electron discharge device having a cathode, anode and a control electrode, a first elongated member of heat resisting insulating material upon which is formed said control electrode consisting of a metallic layer coated on the outer surface of said first member, a second elongated member of heat resisting insulating material upon which is formed said anode consisting of a metallic layer coated on the outer surface of said second member, the longitudinal axis of said second member being substantially parallel to the longitudinal axis of said first member, and two spacing members, said spacing members being secured to said first and second members whereby first and second members are maintained at a predetermined spacing, and said cathode being supported between said spacing members.

2,495,619
DEHUMIDIFIER
Herbert P. Welerman, Rydal, Pa.
Application November 29, 1945, Serial No. 631,598
2 Claims. (Cl. 183—4.4)



2. In a dehumidifier, a vertical cylindrical enclosing casing having a lower section and a removable upper closure section, said upper section having an air inlet opening in the top wall thereof, a motor operated fan mounted on the top wall of said upper section for circulating air downwardly through said casing, the lower section at the lower part thereof having an interior inwardly inclined wall with a central discharge opening, supporting means for said casing for spacing said inclined wall upwardly for the reception of a receptacle below said discharge opening, and a removable container for hygroscopic material in said lower section supported by said inclined wall, said container having the walls thereof of foraminous material and having a central vertical foraminous material lined air passageway in communication with said openings, the outer wall of the upper portion of said container being spaced inwardly from the inner wall of said lower casing and the lower portion of the outer wall of said container being frusto-conical and converging inwardly towards the bottom thereof.

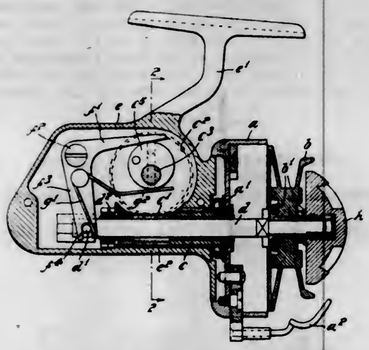
2,495,620
GAME DEVICE WITH ELECTRICAL SCORING MEANS
Armand E. Werle, Oakland, and Rudolph V. Milck, San Leandro, Calif.
Application April 20, 1948, Serial No. 22,206
17 Claims. (Cl. 273—88)



1. A game device representing a game played by two or more sides comprising a source of electric power, a plurality of independently operable selector switches having a multiplicity of selectable points of contact and connected to said source of power, an electrical network connected to said switches and providing a plurality of out-

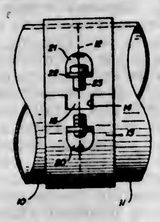
put circuits, each switch being located to be operated by one of several opposed players out of view of opposing players to energize said output circuits selectively, indicia for said selector switches indicating plays in said game, a plurality of lights connected to said output circuits for indicating different results in said game consequent upon the plays indicated on said indicia at least one of said lights indicating a potentially impossible result which, under the rules of the game, is impossible in certain playing situations, a multi-position registering device having a multi-position switch positioned thereby and indicia for indicating a plurality of playing situations in said game including said playing situations, and a discriminator circuit connected to and selectively conditioned by said last-named switch and interposed between said light indicating a potentially impossible result and its output circuit for disconnecting said output circuit from said light and connecting it instead to another light indicating a result which is possible with the playing situation registered by said registering device.

2,495,621
FISHING REEL
James Robert Young, Howard Young, and Edward Emlyn Young, Redditch, England, assignors to J. W. Young & Sons Limited, Redditch, England, a British company
Application October 16, 1945, Serial No. 622,586
In Great Britain October 16, 1944
2 Claims. (Cl. 242—84.4)



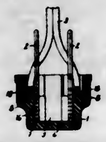
1. A fishing reel comprising, in combination, a casing, a spindle rotatably and slidably journalled in said casing with one of its ends extending exteriorly thereof, a line drum mounted on the outer end of said spindle, a driving shaft journalled in said casing transversely relative to said spindle, the ends of said shaft both extending exteriorly of said casing, high ratio drive means operatively connecting said shaft and said spindle, a disc eccentrically mounted on said shaft, a bell crank pivotally mounted on an axis parallel to the axis of said driving shaft and having one of its arms engaged with the periphery of said disc, the other arm being connected to said spindle for reciprocating said spindle in timed relation to the rotation thereof, a leaf spring mounted on said lever and acting against said disc and the connection to said spindle in opposition to the arms of said lever for eliminating slack, a handle mountable on either end of said drive shaft and a cap for the other end of said drive shaft.

2,495,622
PIPE JOINT
Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Company, Elkhart, Ind., a corporation of Indiana
Original application February 3, 1947, Serial No. 726,041. Divided and this application January 19, 1948, Serial No. 3,102
5 Claims. (Cl. 285—194)



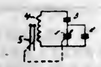
1. A flexible, metal split ring for use in forming joints in thin-walled tubing and to become a permanent part of the joint, the ends of said ring having interfitting circumferentially extending portions, clamping ears adjacent the ends of said ring, and means extending between said ears for drawing the ends of said ring toward each other to clamp said ring tightly over the abutting ends of a pair of tube sections, said ring being formed of continuous smooth metal stock adapted to fit with capillary closeness to the exterior of the tube sections to be permanently united thereto by flow of metal therebetween.

2,495,623
PLUG CONNECTOR
George B. Benander, Oaklawn, R. I., assignor to Monowatt Incorporated, a corporation of Connecticut
Application January 30, 1948, Serial No. 5,413
1 Claim. (Cl. 173—361)



A plug connector for use with a flat two-conductor cord comprising a body of hard rigid material having a longitudinally extending central recess and an open-ended keyhole slot centrally disposed in its side wall and communicating with said recess; a pair of transversely opposed, longitudinally extending grooves in the side walls of said recess, one pair of grooves being on each side of said slot; a pair of flat contact blades fixed to the body with one blade in each pair of grooves, said blades having their outer surfaces and their edges which are removed from said slot spaced from the adjacent walls of the recess by an amount not greater than the thickness of a single insulated conductor which is to be secured in said space; and means for attaching bared conductor ends to said blades at the outer sides of the blades, said means including shoulders formed in the body and extending inwardly from both end walls of said recess and reversely bent tongues lanced from said blades extending from the outer sides thereof and adapted to grip said bared conductor ends when said blades are forced into said grooves with said tongues resting on said shoulders; said keyhole slot having an entrance portion of a width not substantially greater than the narrow width of the cord and an enlarged bottom portion of a width substantially equal to the side width of the cord; whereby the said flat two conductor cord, after having its bared conductor ends attached to the blades on the outer sides, may have the separated single insulated conductor ends wedged into the spaces between the blades and the body and may have the joined conductor cord passed between the blades and thence edgewise through the entrance portion of said slot, and there be turned to occupy the enlarged bottom portion thereof.

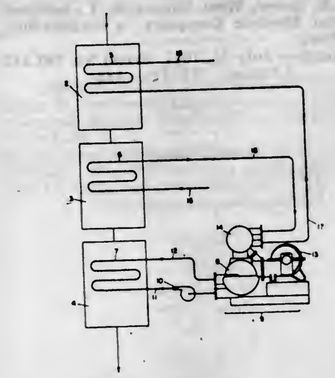
2,495,624
RADIO RECEIVER WITH BAND-SPREAD TUNABLE CIRCUITS
Henri Blok and Henricus Adrianus Broos, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 8, 1947, Serial No. 727,346
In the Netherlands March 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 16, 1964
7 Claims. (Cl. 250—40)



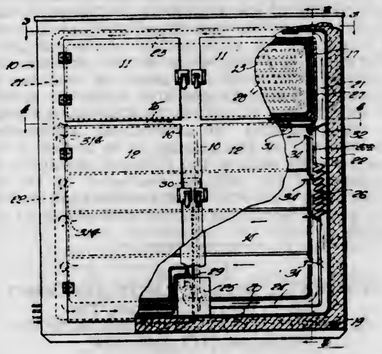
1. A resonant circuit arrangement to provide band-spreading for radio receivers comprising, a first capacitive element, a second capacitive element in series with said first capacitive element, a third capacitive element, means to connect said third capacitative element in parallel with a portion of the series connection of said first and second capacitive elements, an inductive element connected in parallel with the said series connection of the first and second capacitive elements, means to make variable in magnitude two of the aforesaid circuit elements, and means to mechanically couple the said variable circuit elements and to vary the value of said variable circuit elements at a given rate relative to each other over a first portion of the tuning range of said elements and at a rate different from said given rate relative to each other over a second portion of the tuning range of said elements.

2,495,625
WORT PROCESSING
William S. Bodinus, Chicago, Ill., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application February 5, 1947, Serial No. 726,564
7 Claims. (Cl. 62—141)

1. In a process of the character described, the steps which comprise directing material to be cooled through a plurality of cooling stages; passing a refrigerating fluid in heat exchange relation with said material in a final stage of such cooling, utilizing a refrigeration machine to treat such fluid for passage in heat exchange relation with said material in the final cooling stage; utilizing a conditioning medium in a second cooling stage to cool said material before it passes to the final stage, then directing conditioning medium from said second cooling stage through the condenser of the refrigeration machine in heat exchange relation with refrigerant thereby raising the temperature of the conditioning medium, and passing conditioning medium leaving the condenser again in heat exchange relation with said material in a pre-cooling stage.

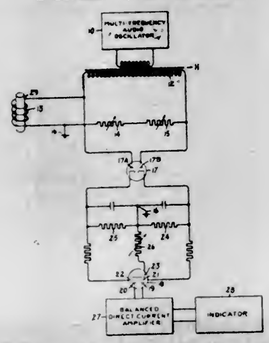


2,495,626
TWO-TEMPERATURE REFRIGERATOR
Joseph S. Booth, Fort Worth, Tex.
Application January 6, 1947, Serial No. 720,331
3 Claims. (Cl. 62—102)



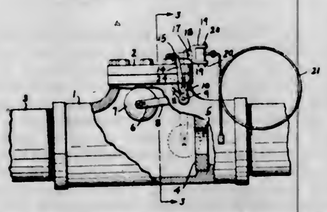
1. A two temperature refrigerator including a cabinet having an upper and a lower food storage compartment, said upper compartment having an air duct surrounding the same longitudinally, said lower compartment having air passages in each side wall thereof in communication with said air duct, a coil in said air duct and surrounding said upper compartment longitudinally, coils in said duct and air passages, a blower for creating and maintaining forced circulation of air through said duct and through the air passages of said lower compartment to effect exchange of moisture between the exterior of said upper compartment and the interior of said lower compartment and in passing over said coils, to create on the surfaces of the upper compartment a blanket of ice and means for controlling the passage of air through said ducts and said passages.

2,495,627
METHOD FOR SORTING METALLIC ARTICLES
Donald E. Bovey, West Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application July 16, 1947, Serial No. 761,321
1 Claim. (Cl. 175—183)



The method of sorting metallic articles comprising the steps of selecting a sample of the articles to be sorted, providing an alternating voltage across an inductor, successively varying the frequency of the alternating voltage to a plurality of values, at each frequency successively placing each article of the sample in the magnetic flux path of the inductor, obtaining indications of the relative reactance of the inductor with each article of the sample so positioned at each frequency, plotting such indications as a function of frequency for each article of the sample to determine the frequency which provides the greatest differences in values of relative inductance between groups into which the articles are to be sorted, adjusting the alternating voltage to the frequency so determined, successively placing each of the articles to be sorted in the magnetic flux path of the inductor, obtaining indications of the relative reactance of the inductor with each article, and sorting the articles into groups according to the indications so obtained.

2,495,628
AUTOMATIC SAFETY VALVE ASSEMBLY
Otis T. Broyles, Houston, Tex.
Application May 27, 1948, Serial No. 29,469
4 Claims. (Cl. 137—153)



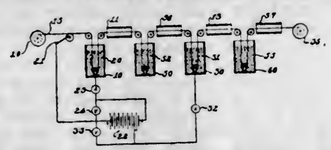
1. A valve assembly comprising, a valve casing adapted to be connected into a flow line, a valve seat in the down stream end of the casing, swingably mounted valve means in the casing to control the seat, a retaining arm, a pivotally mounted yoke, interengaging means between the yoke and arm retaining the arm in active position, means carried by the valve means and engaged by the arm, when in said active position, to hold the valve means in the open position, means connected to the yoke and adapted to be affected by either an increase or a decrease of the pressure of the fluid flowing through the casing and effective to release said arm, upon a variation of said pressure, to permit the valve means to close the seat.

2,495,629
ZINC ELECTROPLATING
Allan E. Chester, Highland Park, and Frederick F. Reisinger, Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 2, 1944, Serial No. 538,557
20 Claims. (Cl. 204—55)

1. A plating bath comprising an alkaline zinc cyanide bath containing in solution a reaction product of a heterocyclic aldehyde with a carbocyclic primary amine, substantially insoluble in water, soluble in alkaline solutions and sparingly soluble to insoluble in ethyl, propyl and butyl alcohols.

15. In the electrodeposition of zinc, the step which comprises electrodepositing zinc from an alkaline cyanide-zinc plating bath in the presence of an alkali-soluble reaction product of a cyclic aldehyde with a carbocyclic primary amine.

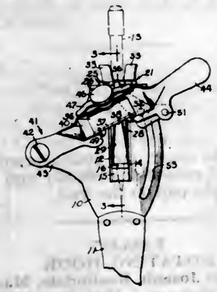
2,495,630
ELECTRICALLY INSULATED CONDUCTOR AND PROCESS FOR PRODUCING SAME
Stanley O. Dorst, North Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application May 20, 1944, Serial No. 536,448
13 Claims. (Cl. 117—70)



5. A process for producing a durable, highly flexible, abrasion-resistant, electrically insulated conductor which comprises treating a conductor, the surface of which is covered by and permanently bonded to a porous refractory material, with an aluminum salt which decomposes on heating to form a hydrated aluminum oxide, then heating the so-treated product to decompose said aluminum salt and form a hydrate of aluminum oxide which seals the pores in the refractory coating, and thereafter applying to said coated conductor a thin layer of a fatty acid containing at least eight carbon atoms.

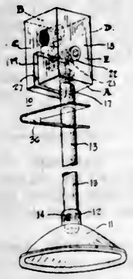
2,495,631
PENCIL SHARPENER
Owen E. Hammond, Belvidere, Ill.
Application February 14, 1946, Serial No. 647,561
5 Claims. (Cl. 120—94)

1. A pencil sharpener of the class described comprising a flat plate having an elongated slot therein, means supported by said plate to receive a pencil and locate the same for sharpening at the inner end of said slot, an arm pivoted on said plate to oscillate back and forth along said slot, a blade carried by said arm to engage and sharpen said pencil, a ratchet wheel journaled on said plate to turn about the axis of the latter and adapted to grip and turn the pencil, a pawl pivoted on said arm with its free end portion extending longitudinally of said slot for engagement with said ratchet wheel in the final retraction of said arm, a cam slot punched in said plate,



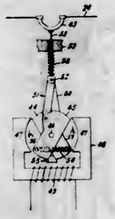
and a follower on said pawl riding in said cam slot, the latter having a laterally extending portion at its outer end acting on said follower in the final part of the return stroke of said blade arm, to shift the pawl laterally and advance the ratchet wheel one step.

2,495,632
RADIO AND RECORD PLAYER CHASSIS SUPPORT
Einar M. Hansen and John E. Hansen, Jersey City, N. J.
Application April 19, 1947, Serial No. 742,508
1 Claim. (Cl. 29—288)



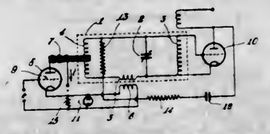
In apparatus for temporarily supporting a radio or record player chassis externally of its cabinet, a clamping block having a chassis-receiving slot extending entirely across a first side thereof from an adjacent second side to an adjacent third side opposite said second side with said slot separating a pair of legs, one of said legs having a threaded opening therethrough from a fourth side of the clamping block to the corresponding side of the slot, said fourth side joining said second and third sides, a clamping member threaded in said opening with one end extending into the slot and adapted to clamp against the opposite side of the slot a chassis edge disposed in said slot, said block having a fifth side opposite said fourth side and joining said second and third sides, and a sixth side joining said second, third, fourth and fifth sides, said first, second and fifth sides each having a cylindrical post-receiving opening therein, whereby said block may be secured to a vertical cylindrical supporting post in any of three different positions, one leg of said pair of legs being materially longer than the other leg of said pair, said longer leg carrying the clamping member and having a second opening therein in the inner face thereof in that portion of said leg which extends beyond the shorter leg.

2,495,633
SHOCKPROOF HOLDING DEVICE
Claude D. Hayward, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Original application January 10, 1944, Serial No. 517,651. Divided and this application December 13, 1945, Serial No. 634,792
2 Claims. (Cl. 200—103)



2. Means for holding a movable circuit controlling member in the closed circuit position against the effects of mechanical shock and an opening bias comprising two oppositely movable cooperating toggles arranged to be overset jointly to maintain said member in the closed circuit position, and electromagnetic means having a reversed pair of oppositely attracted magnetic elements, each connected with a corresponding one of said toggles for simultaneously moving both of said toggles from the overset position to permit a circuit opening movement of said circuit controlling member and each responsive in the same direction to shock for maintaining each toggle in its holding position upon shock in a corresponding direction.

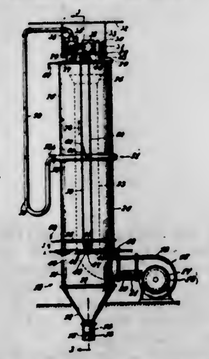
2,495,634
VARIABLE REACTANCE MEANS FOR FREQUENCY MODULATING AN OSCILLATOR
Gerard Hepp, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 20, 1946, Serial No. 685,193
In the Netherlands May 6, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 6, 1963
6 Claims. (Cl. 332—18)



1. In a system for frequency-modulating a wave in correspondence with the instantaneous amplitude of a signal, the combination comprising a wave generator provided with a resonant circuit having a variable reactance element for controlling the frequency of said circuit, a frequency-modulator responsive to said signal and arranged to vary the reactance of said element in accordance with the instantaneous amplitude of said signal, means to derive from said generator an oscillatory voltage whose amplitude varies ac-

cording to the reactance of said element, amplitude detection means to detect said voltage, and means to apply said detected voltage as an input to said modulator in phase opposition with said signal whereby a substantially linear relation is effected between the instantaneous amplitude of said signal and the frequency of said generator.

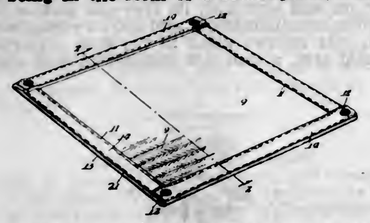
2,495,635
DUST FILTER
Henry J. Hersey, Jr., Chatham, N. J.
Continuation of application Serial No. 521,695, February 9, 1944. This application July 12, 1946, Serial No. 683,918
3 Claims. (Cl. 183—61)



1. A dust filter comprising a cylindrical filter element having its axis vertically disposed and formed of a flexible sheet material having interstices much smaller than its thickness, means for supplying dust laden gases to the upper interior portion of said element at a pressure greater than that on the outer surface thereof, a horizontally disposed tubular member pressed inwardly against the outer surface of said element to cause the latter to bend around said member under the pressure of the dust laden gases and thereby elongate the interstices of said element on the inner side thereof, said tubular member having a slot therein through its side contacting said element, means for applying relatively high pressure gas to said tubular member for discharge through said slot, means for moving said tubular member to and fro vertically whereby to traverse the outer side of said element, and means for interrupting the supply of high pressure gas to said tubular member during the up-stroke of said tubular member.

2,495,636
INSULATING PAD
Orval R. Hoeltzel, William S. Saville, and John W. Larson, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Original application May 22, 1944, Serial No. 536,768. Divided and this application February 10, 1945, Serial No. 577,274
3 Claims. (Cl. 154—44)

1. A unit comprising a layer of loosely matted mass of fibrous material, a substantially impervious, preformed film of thermoplastic synthetic resin material integralized with the fibers in one face of the loosely matted material, a fabric covering the other face of said loosely matted layer and enfolded and secured around the edges of the mass and the film, the mass, film, and fabric being in the form of a sound-proof, flexible



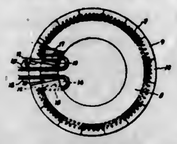
pad adapted to cover and sound-proof a section of a wall, and means for readily and demountably securing the pad on the wall.

2,495,637
ROTATING HOOK
Michael Joseph, Roslindale, Mass.
Application February 6, 1946, Serial No. 645,756
6 Claims. (Cl. 112—228)



1. In a rotating hook used in a sewing machine producing a lock stitch, the hook having a needle thread slot and a ring section at its rim with an externally recessed area in and extending below the ring adjacent the needle thread slot provided in the hook, an arcuate band closely fitting and spanning said externally recessed area, said band being disposed in said recessed area with its external surface flush with the surface of the ring on the outside thereof, said band having a flat lower edge and an upper edge with upwardly extending ends forming enlarged end sections, and screws set in said band and threading into said ring for holding said band in place in its enlarged end sections.

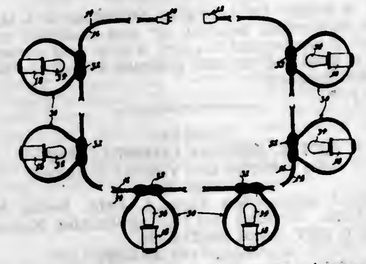
2,495,638
WAFFLE IRON
Homer H. Miller, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application July 1, 1948, Serial No. 36,361
1 Claim. (Cl. 219—19)



A waffle iron comprising a grid, a heater for said grid having a ring support which has top and bottom walls, and inner and outer cylindrical walls and formed with two enclosed tubular passages connecting said inner and outer cylindrical walls and two other passages opened at the top also connecting said inner and outer cylindrical walls, a resistance conductor mounted on said outer cylindrical wall and having its two terminal ends respectively directed in toward said inner cylindrical wall through said two enclosed transverse passages, a pair of electric supply conductors directed into said two passages from said inner cylindrical wall, means in said two passages

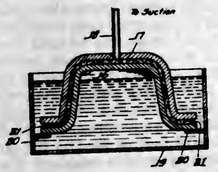
connecting said conductors with said terminals, said conductors being folded back and directed through said other two passages from which they emerge through said outer cylindrical wall, a clamping plate engaging said ring support and covering said other two passages, and means attaching said plate to said grid so as to secure said support thereto.

2,495,639
TREE-LIGHTING ELECTRIC CORD SET
Ernest Moreno, Brookline, Mass.
Application May 11, 1948, Serial No. 26,383
4 Claims. (Cl. 315—185)



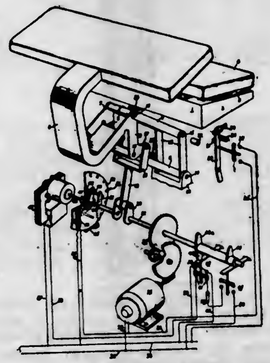
1. A tree-lighting electrical cord set comprising a conductor cord having at least two insulated flexible electrical conductors, a terminal connector element at each end of the cord, said cord being formed into a plurality of loops spaced at intervals along the cord, means at each said loop for maintaining its loop formation, a socket mounted on each loop and projecting within the loop with its axis generally in the plane of the loop, each said socket being electrically connected to said electrical conductors, and a lamp in each socket and framed by a said loop of the cord.

2,495,640
METHOD OF MOLDING
Irving E. Muskat, Plainfield, N. J., assignor to Marco Chemicals, Inc., a corporation of New Jersey
Application June 8, 1945, Serial No. 598,339
17 Claims. (Cl. 154—110)



12. A method of molding resin impregnated fibrous materials at low pressures, said method comprising positioning between complementary molds which when in closed mating position provide a mold space having an outlet for air and liquid through which the same may flow freely during impregnation of the base within the mold space, a fabric having a coating on one side thereof with the coated fabric in contact with one mold surface and a fibrous base capable of being impregnated in superimposed relation to said fabric, introducing an unsaturated polymerizable resinous material in free flowing liquid state between said molds to flow progressively through the mold space defined thereby to said outlet to impregnate the superimposed fabric and fibrous materials and fill said space and to drive therefrom and from the base air contained or entrapped therein, and polymerizing and thus curing the impregnated materials and resinous material while retained between said molds.

2,495,641
IRONING MACHINE
Heber L. Newell, Fishkill, N. Y., assignor to General Electric Company, a corporation of New York
Application February 21, 1946, Serial No. 649,354
4 Claims. (Cl. 38—38)



1. In a flatplate ironer, a buck, a shoe, an arm on which the shoe is supported for movement relative to the buck, a bell crank having an arm member to which the shoe arm is affixed, a fixed support, a parallel linkage pivoted to said support below the buck for movement vertically of the plane thereof and including as a link said arm of said bell crank, means for establishing a home position of said linkage to dispose the shoe arm reclined away from said buck, a rotatable shaft, a crank driven by said shaft, a connecting rod between said crank and the second arm of said bell crank, a motor for driving said shaft in a direction enforcing rotation of said bell crank and therewith associated linkage to propel said shoe arm toward said buck with the shoe disposed thereabove, stop means slidably engaging with said linkage after movement thereof corresponding to substantially one quarter rotation of said crank to enforce a linearly downward movement of said linkage to bring the shoe into engagement with said buck during the second quarter revolution, said linkage and shoe arm returning to initial position in reverse order of movement during the succeeding half revolution; a normally open, manually operable, switch for starting the motor, a second switch in said motor circuit, the respective switches being in parallel and the second switch being biased to closed circuit position, an actuator for said second switch, cam means rotated by said shaft and engaging with said switch actuator at the initiation of rotation thereof to establish the switch in open circuit position, said cam means releasing said actuator for closure of its associated switch following commencement of motor operation to permit said manually operated switch to be released, and a second cam means driven by said shaft and engageable with said switch actuator

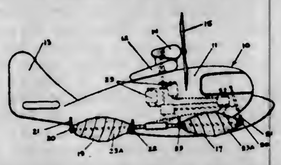
at the completion of the first half revolution of said crank to return said second switch to open circuit position.

2,495,642
WASH VALVE FOR WELLS
Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas
Application June 27, 1946, Serial No. 679,811
2 Claims. (Cl. 251—78)



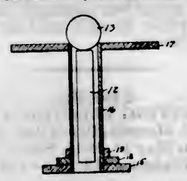
1. In a well tubing formed of independent movable sections, a tubular guide on one section having an outlet opening, an annular valve seat in the guide having an annular flared groove, a sleeve valve adapted to be connected to the other section and telescoped into the guide and having its free end tapered to fit into said groove, an annular resilient seal ring on the valve adjacent the tapered portion and positioned to form a seal with said seat when the valve is closed, said telescoping parts being relatively movable to one position to seat the valve in said groove and close said opening and to another position to clear said opening, a frangible pin connecting the guide and valve and normally maintaining the valve closed.

2,495,643
AIRCRAFT
Andrew James Pidgeon, Woodside Pidgeon Farm, Quebec, Canada
Application August 30, 1946, Serial No. 693,983
3 Claims. (Cl. 244—50)



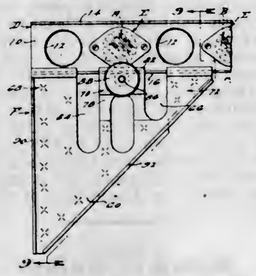
1. In aircraft, a fuselage, wings, rudders, motors, propellers, pneumatic devices rotatably supported with respect to the said fuselage, said pneumatic devices each consisting of a shaft, a spiral formed by a plurality of fins fixedly secured around the said shaft and at a definite pitch with respect to one another, a flexible fabric covering each of the said pneumatic devices, and compressors adapted to inflate each of the said pneumatic devices.

2,495,644
HOLDER FOR HAIRPINS
Chauncey L. Rowley, Portland, Oreg.
Application January 16, 1948, Serial No. 2,619
2 Claims. (Cl. 223—109)



1. A holder for hair pins consisting of a table and supporting pedestal of non-magnetic material, a permanent magnet within said pedestal and a steel ball on said pedestal within the field of said magnet.

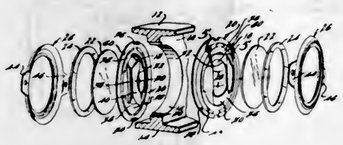
2,495,645
LEVEL-SQUARE COMBINATION
John Schultes and Vincent Schultes, Detroit, Mich.
Original application June 8, 1946, Serial No. 675,396. Divided and this application November 6, 1947, Serial No. 784,320
4 Claims. (Cl. 33—89)



1. In combination, a spirit level having a base portion, and a square attached at one edge thereof to said base portion and adjustable longitudinally therealong, said square formed from two plates fastened back-to-back and having cut-out portions extending from the attached edges thereof which define separate sections along said edge, means on at least one of said sections forming a seat in which said base portion slidably fits, the margins of said plates being separate and arranged in outwardly divergent relation along another of said sections and said divergent margins arranged in embracing relation to said base portion; and clamp means for drawing said divergent margins solidly against the base portion whereby to hold the spirit level in a selected adjusted position on the square.

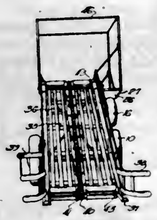
2,495,646
LEVEL
John Schultes and Vincent Schultes, Detroit, Mich.
Application February 28, 1948, Serial No. 11,935
3 Claims. (Cl. 33—211)

1. In a level construction, a body having an opening therein and a flat work-engaging surface; a vial; a generally annular holder carrying said vial disposed against one side of the body with the vial positioned in said opening, the inner annular portion of the holder which carries the vial being offset away from the body and said holder formed on the outer face thereof with a projecting annular bead; a transparent window overlying said holder, said window fitting snugly within and centered with respect to the opening in said body by said annular bead; and means including an annular cover overlying said window



and said holder, said means maintaining said window against the holder and said holder in pressed frictional engagement with the body, the undersurface of said cover being dished and fitting snugly over the annular bead of said holder to maintain the holder centered with respect to the body opening and to prevent dirt and the like from penetrating under said window.

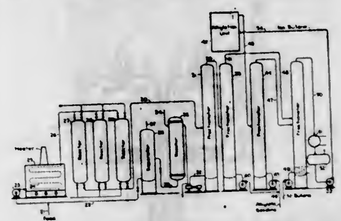
2,495,647
BALED HAY LOADING MACHINE
Wesley D. Vaughn and Thomas O. Vaughn, Vernon, Tex.
Application May 7, 1946, Serial No. 667,852
2 Claims. (Cl. 198—11)



1. A baled hay loading machine including a frame having wheels and provided with parallel uprights at the rear thereof, a platform supported by said uprights, an inclined endless conveyor for elevating bales of hay onto said platform, a collar slidable on each of said uprights, a shaft whose ends are journaled in bearings carried by said collars and movable therewith, a wheel mounted on one end of said shaft for movement into and out of engagement with the tread of a wheel of said frame, a pivoted lever for raising and lowering said shaft to move the wheel thereon into and out of engagement with said frame wheel and means providing operative connection between said first wheel and said conveyor for actuating the latter when said wheels are in engagement.

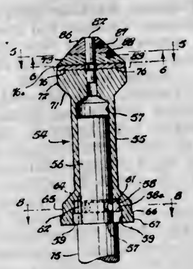
2,495,648
HYDROCARBON TREATING PROCESS
Hervey H. Voge, Berkeley, George M. Good, Albany, and Bernard S. Greensfelder, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 24, 1946, Serial No. 692,882
8 Claims. (Cl. 260—683.6)

5. The process which comprises contacting a mixture of a straight chain olefin and an isomeric branched chain olefin having from 4 to 6 carbon atoms with a cracking catalyst of the group consisting of silica-alumina, silica-magnesia, silica-zirconia-alumina and alumina-boria cracking catalysts and the activated clay cracking catalysts at a temperature between 300° C. and 450° C. and at a pressure between 1 and 10 atmospheres, said conditions being correlated in the known manner



within said ranges to avoid substantial cracking of said olefins, discontinuing said contact when the bromine number of the resulting product corresponds to the content of said straight chain olefin in the mixture whereby the said branched chain olefin is selectively converted to the corresponding isoparaffin, and recovering the said straight chain olefin in concentrated form from the isoparaffin so produced.

2,495,649
DEVICE FOR REMOVING OR INSERTING SLEEVES
Frank C. Wilson, Arcade, N. Y.
Application March 13, 1947, Serial No. 734,319
4 Claims. (Cl. 29—283)



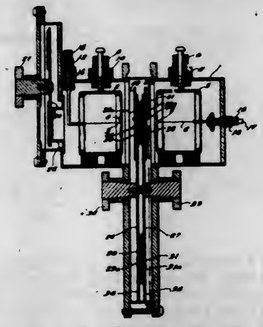
1. A jig comprising a body member formed with detachable connection means at one end, an annular shoulder formed on the member adjacent said end, a tapered element secured to the member at its opposite end, radial guide recesses formed between the tapered element and the adjacent end of the member, plates slidably mounted in the recesses, a tapered finger piece rotatably connected to the tapered element, a cam shaft extending from the finger piece to said recesses and formed with a cam element engaging said plates, said shaft when rotated in one direction by the finger piece causing said cam to thrust the plates outwardly, spring means for returning said plates to their inner positions when the cam is returned to its initial position and cylindrical sections formed on the body member between the shoulder and plates to align and support a sleeve having an end engaging said shoulder.

2,495,650

COINCIDENCE PROPORTIONAL COUNTER

John Morris Blair, Stillwater, Okla., and James M. Hush, Lincoln, Nebr., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application July 5, 1945, Serial No. 603,397
16 Claims. (Cl. 250—83.6)



1. Apparatus of the kind described comprising a gas-filled chamber, hydrogenous material in said chamber from which to produce recoil protons, and two aligned counter ionization units spaced from and in line with said hydrogenous material, said units being connected into a coincidence circuit so that only pulses originating from ionization in both units at the same time are counted.

2,495,651

HIGH-TEMPERATURE BALL-BEARING GREASE

Richard A. Butcosk, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application March 20, 1947, Serial No. 736,101
6 Claims. (Cl. 252—41)

1. An improved lubricating grease adopted for the lubrication of ball bearings, roller bearings, and the like at high temperatures comprising a major portion of a mineral lubricating oil and from about 15 to about 30 percent of an alkali metal soap of a fatty acid having an iodine number in the range of from about 60 to about 170, the grease having been compounded by incorporating the acid-containing ingredient in at least a portion of the oil, saponifying, and then raising the temperature of the mix slowly to a temperature of from about 500° F. to about 540° F. followed by holding the temperature at that level for a period of at least about 20 minutes and sufficient to bring about substantial polymerization of the fatty acid component.

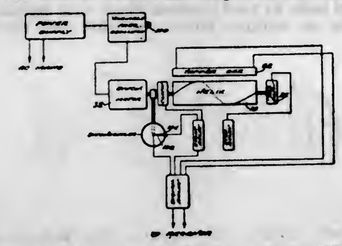
2,495,652

CHRONOMETRIC RECORDER

William K. Coburn, Cambridge, Mass., assignor to Serdex, Inc., Boston, Mass, a corporation of Massachusetts

Original application March 30, 1946, Serial No. 658,556. Divided and this application June 5, 1946, Serial No. 674,495
4 Claims. (Cl. 178—53.1)

1. Method of synchronizing the rate of drive of a radiosonde transmitter helix and a radiosonde recorder helix, which comprises mechanically driving the recorder helix at a speed greater than that of the transmitter helix by a small fixed amount, starting the cycles of the helices simultaneously, stopping the recorder helix when it has made one complete revolution and before the transmitter helix has completed a revolution,



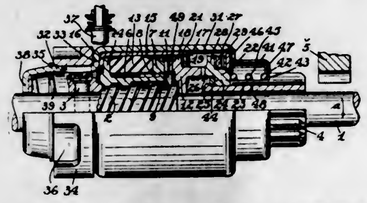
measuring the difference in the speeds of the recorder helix and the transmitter helix, varying the rate of drive of the recorder helix by the measured amount, and then initiating another cycle of both helices simultaneously without stopping the transmitter helix.

2,495,653

ENGINE STARTER DRIVE

James J. Digby, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware

Application May 24, 1948, Serial No. 28,909
5 Claims. (Cl. 74—7)



1. In an engine starter drive a power shaft, a screw shaft fixed thereon, a pinion journalled on the power shaft for longitudinal movement into and out of mesh with a gear of an engine to be started, a nut on the screw shaft, a driving slip clutch member having inclined torque-transmitting teeth splined on the nut, a driven slip clutch member having cooperating inclined teeth journalled on the power shaft, an elastic compression member on the nut engaging the driving clutch member, a sleeve engaging at its ends the nut and driven clutch member and holding the clutch members and elastic member under compression, means connecting the driven clutch member to the pinion including a transmission member splined on the pinion, yielding mesh enforcing means urging the pinion into extended relation with respect to the transmission member, and means for retaining the transmission member on the pinion.

2,495,654

CHAIR BACK STRUCTURE

Wayne W. Ford, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

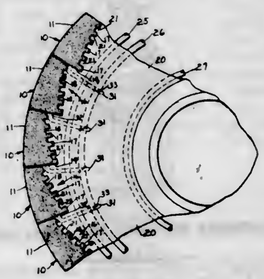
Application October 16, 1948, Serial No. 54,871
6 Claims. (Cl. 155—184)

1. In a chair back, a substantially rectangular frame having an opening therethrough near its lower edge, padding disposed over the front surface of the frame, an upholstery covering disposed over the padding and having its top and side marginal edges drawn rearwardly around the top and side edges of the frame and secured to the rear of the frame, and the bottom marginal edge



of the upholstery covering having at least a portion thereof drawn taut rearwardly through the frame's opening and secured to the rear surface of the frame for reducing the thickness of the back in its lower region, and a closure panel secured to the rear surface of the frame and closing the opening therethrough.

of at least one and seven-eighths to the area of a chord plane at the deepest indentation, and at least one-third of the concrete being Portland cement.

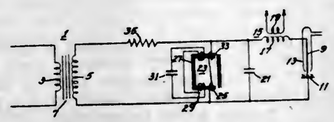


2,495,655

ALTERNATING CURRENT CIRCUIT INVOLVING RECTIFICATION

Dean C. Girard, San Leandro, Calif., assignor, by mesne assignments, to National Cylinder Gas Company, a corporation of Delaware

Application June 12, 1948, Serial No. 32,658
10 Claims. (Cl. 315—276)



1. An alternating current circuit comprising a source of alternating current, means connected to said source, said means including a device having inherent rectifying action, and choke-resistor network means for substantially excluding rectified current from said source of alternating current.

2,495,656

PULPSTONE

George N. Jeppson, Worcester, and Wallace L. Howe, West Boylston, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 27, 1947, Serial No. 770,888
4 Claims. (Cl. 51—206.4)

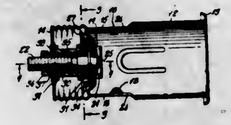
2. A pulpstone comprising a plurality of blocks of vitrified bonded abrasive material having an outer cylindrical surface, a concrete core in adhesive engagement with inner surfaces of said blocks, each inner surface of each block being indented where it is in contact with the concrete and the surface area of each block in adhesive engagement with the concrete having a ratio

2,495,657

SOCKET FOR RECEIVING ELECTRIC IGNITER PLUGS

Alfred J. Kroll and Henry W. Bilger, Meriden, Conn., assignors to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut

Application April 5, 1949, Serial No. 85,516
7 Claims. (Cl. 219—32)



1. A socket for an electric igniter comprising a shell having a transverse rear wall and a side wall, a metallic centering disc within said shell and having parts interlocking with the side wall for preventing relative rotation and having projections, a spindle passing through said rear wall and said disc, means for insulating said spindle from said disc and said rear wall, a spacer on said spindle between said disc and said rear wall, contact means carried by said spindle and including a two-armed thermostatic latch and having projecting lugs and an insulating spider on said spindle between said contact means and said disc, said spider having notches arranged to receive projections on said disc on one side and notches arranged to receive projections on said contact means at the other side.

2,495,658

CARRYING APPARATUS

Harry W. Moseley, Warren, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application December 16, 1948, Serial No. 65,579
5 Claims. (Cl. 294—67)

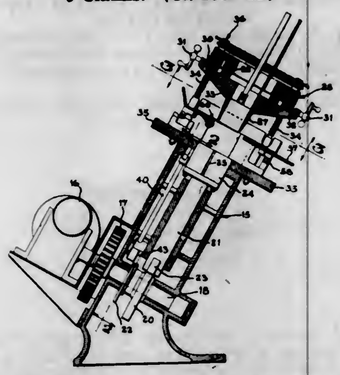
1. An article carrier comprising a guide block, a bar having one end slidable in said block, a stop slidable on said bar and depending therefrom, fingers below and substantially parallel to said bar, and means having a threaded shaft engaging said block, bar and stop for moving said

bar and stop toward or away from said block simultaneously but at different rates, and lift-



engaging means adjacent the other end of said bar.

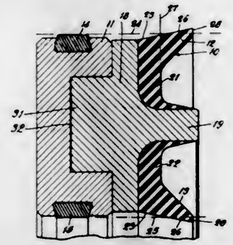
2,495,659
MACHINE FOR DIE-CUTTING PAPER
Elmer F. Noell, Cincinnati, Ohio, assignor to The Printing Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application March 25, 1948, Serial No. 16,983
9 Claims. (Cl. 164—21)



1. A machine for trimming stacks of blank sheets comprising; a hollow stationary die, a cutter block movable relative to said die, a feeder for positioning stacks of blanks upon said cutting block, guide plates for maintaining the sheets in stacked relationship during the cutting stroke, detents mounted in said guide plates and adapted to support an untrimmed portion of each stack successively, and a pressure plate arranged to force the stack into engagement against an opposite guide plate to align the stack relative to said die.

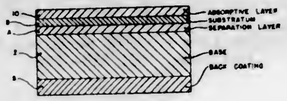
2,495,660
PACKING
Victor W. Peterson and Otto J. Maha, Chicago, Ill., assignors to Hannifin Corporation, a corporation of Illinois
Application December 12, 1945, Serial No. 634,482
2 Claims. (Cl. 288—5)

1. A packing of the character described comprising in combination an annular sealing element of synthetic rubber or the like adapted to remain resilient at sub-zero temperatures, said element having a substantially thick base which under compression is of a diameter different from that of the surface to be sealed so as to be spaced therefrom in use, a flexible sealing lip diverging from said base to such diameter that the lip must be compressed to fit the surface to be sealed, said lip diverging at such angle that the region of contact with said surface lies wholly outside side base, a rigid supporting ring to which said base is bonded, a bearing element having a bear-



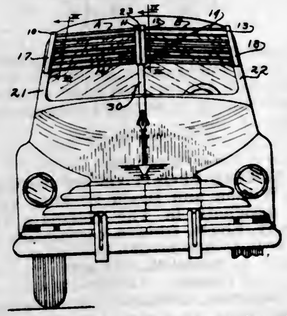
ing surface machined to have a bearing fit with said surface, means for centering said bearing ring on said sealing ring, and means including an inter-fitting rib and groove for separably connecting said bearing ring and sealing ring together.

2,495,661
REPRODUCTION MATERIAL
Raymond J. Scanlan, Hasbrouck Heights, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application July 24, 1945, Serial No. 606,876
4 Claims. (Cl. 95—6)



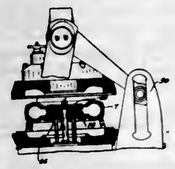
2. In a line reproduction material of the ferri-photosensitive type which produces good uniformity of line and background color, a fibrous cellulosic sheet that is water absorptive, a flexible synthetic resin water impermeable layer on both sides of said sheet which will prevent the absorption in said sheet of the ferri-photosensitive composition limiting it to overlying layers and prevent the absorption in said sheet of water used in developing the reproduction material and thereby maintain dimensional stability, a substratum layer including gelatine and a cellulose ester in approximately equal proportions on the water impermeable layer on the front side of the material, a top layer of uniformly water absorbent water insoluble gelatine on said substratum layer containing a hardener in the proportion of about one part hardener to 60 parts of gelatine, said hardener including at least one of the compounds in the group consisting of formaldehyde, chrome alum and chromic chloride, said top layer being impregnated with the water soluble ferri-photosensitive composition which includes a ferric radical, a positive alkali radical and a polycarboxylic acid radical and a gelatinous water absorbing back coating on the water impermeable layer on the back side of the material to offset curling which would otherwise be caused by the absorption of water in said water absorbent water insoluble gelatine layer applied to the front of the material.

2,495,662
ALL-WEATHER PROTECTIVE VISOR FOR MOTOR VEHICLES
Earl F. Scraper, Wichita, Kans.
Application July 29, 1947, Serial No. 764,325
2 Claims. (Cl. 296—95)



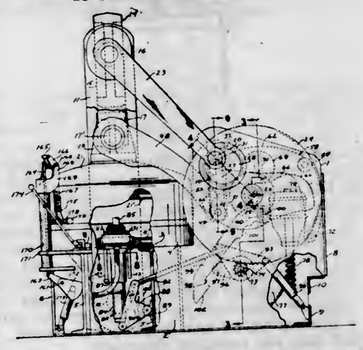
1. In a visor device of the kind described; the combination of two visor sections, each of said sections having a center end rail and a bracket attachment end rail, and a plurality of louver elements, the ends of said louvers being dovetailed into their respective center end rail and supporting bracket end rail, the rails of each of said sections being positioned in parallelism with each other and being positioned obliquely in respect to the linear dimension of the said louvers, a pair of supporting brackets, said supporting brackets being positioned, one at either side of the visor assembly and attached to the said bracket attachment rails of the visor, said brackets being attachable to the side parts of a windshield frame, the adjacent center end rail of said sections being spaced apart, and center support means for the said centerspaced end rails of the visor, said support extending between and being attached to the center rails of the visor and a center support element of the windshield, and means for adjusting the length of the visor center support for alignment of the visor sections.

2,495,663
APPARATUS FOR SHAPING AND VULCANIZING PNEUMATIC TIRES
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine and Engineering Company, Akron, Ohio, a corporation of Ohio
Application July 25, 1946, Serial No. 686,120
40 Claims. (Cl. 18—17)



37. An apparatus for shaping an unvulcanized tire band and vulcanizing it in tire shape, comprising upper and lower relatively movable mold sections, means for moving said sections toward and from one another to close and open the press, a flexible and expansible diaphragm within the mold sections, upper and lower rings attached to the edges of the diaphragm and constituting therewith a chamber to hold fluid under pressure, a shaft attached to the upper ring and a shaft attached to the lower ring, a block on the first named shaft having a guideway in which the second shaft is received, yielding means to restrain the movement of the second shaft in the guideway, a cam plate attached to the block, a second cam plate attached to the second shaft, a crank movable in unison with the opening movement of the press and so positioned as to engage the first cam plate to lift both rings simultaneously, and a second crank also movable in unison with the operation of the press and so positioned as to engage the second cam plate and move the lower ring downwardly independently of the upper ring.

2,495,664
VULCANIZING PRESS WITH AUTOMATIC BAGGER
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine & Engineering Company, Akron, Ohio, a corporation of Ohio
Application December 29, 1948, Serial No. 67,849
43 Claims. (Cl. 18—17)

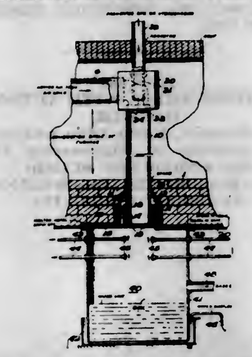


12. In a vulcanizing press having separable mold sections operable by a toggle linkage driven by a crank disc and connecting rods, a fluid-expansible bag associated with one of said mold sections for shaping an article to be cured, means associated with said disc and responsive to rotation thereof to lift the said bag and cured article as a unit, means responsive to further rotation of said disc to strip the said bag from said article, means associated with one of said mold sections to maintain the said mold sections in parallelism during the aforementioned lifting and stripping operations to provide clearance therefor, said last-mentioned means comprising a second crank disc providing the connection between the said connecting rod and the first crank disc, and means to rotate the second crank disc whereby to vary the path of the disc-connected end of the connecting rod from circular orbital motion respecting the axis of the first crank disc.

2,495,665
APPARATUS FOR PRODUCING ACETYLENE
Otto Spring, Okmulgee, Okla., assignor to Danciger Oil & Refining Company, Fort Worth, Tex., a corporation of Texas
Application June 15, 1944, Serial No. 540,386
10 Claims. (Cl. 23—262)

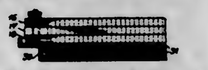
7. An apparatus for producing acetylene by incomplete combustion of hydrocarbons which comprises a furnace, a reaction chamber of refractory ceramic material positioned vertically within and opening through said furnace, a gas

line and air line connected with the upper end of the chamber, said gas line having a plurality of small openings into said chamber, means constructed and arranged to mix the gas and air as they enter the upper end of the reaction chamber, a tank positioned exterially of the furnace and below the said reaction chamber, means for supporting the reaction chamber thereon, the lower end of said chamber being in open communication with said tank, distributing means in said tank for providing contact between gases passing from the lower end of said chamber to



said tank and cooling liquid supplied to said distributing means a sealed expansion joint between the chamber and tank comprising a pair of concentric short pipe sections mounted on the top of the tank so positioned that the vertical reaction chamber extends within the circular slot formed by the aforementioned pipes, said sealing means providing a sealed joint at said support thereby sealing said chamber and tank from said furnace and exterior atmosphere to establish a pressure-type seal between the tank, the furnace and the reaction chamber.

2,495,666
METHOD OF MAKING PILE FABRICS
Charles F. Taubert, Scarsdale, N. Y., assignor of one-half to Elizabeth H. Taubert, Scarsdale, N. Y.
Application June 24, 1947, Serial No. 756,602
8 Claims. (Cl. 154—77)



1. A method of manufacturing simulated pile fabric structure which consists of compressing wool yarn in a soluble covering, inserting said yarn in a rubber base and then dissolving the covering on said yarn.

2,495,667
ADJUSTABLE CLASP
Herman Visner, New York, N. Y., assignor to D. Ornstein & Sons Corp., a corporation of New York
Application February 7, 1947, Serial No. 727,238
1 Claim. (Cl. 24—206)

An adjustable clasp including a tongue, a gripping member and a locking member, said tongue equipped with serrated edges, said gripping member comprising a plate whose opposite edges are shaped to form channels, the inner walls of said channels comprising arms on which are positioned projections adapted to co-act with the serrated edges of said tongue, a slidably operated locking member equipped with a locking rod adapted to move in said channels, movement of

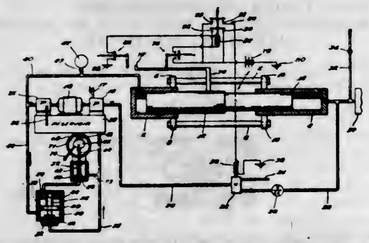


said locking member in one direction causing said locking rod to hold said projections in locking engagement with the serrated edges of said tongue when said tongue is disposed between said projections.

2,495,668
ELECTRODEPOSITION OF COPPER
Karl S. Willson and David G. Ellis, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application December 21, 1946, Serial No. 717,800
5 Claims. (Cl. 204—52)

1. An aqueous, alkaline electroplating bath which comprises an aqueous medium to which has been added a metal ion yielding material essentially consisting of copper cyanide in concentration from 30 to 150 grams per liter, a sufficient amount of sodium cyanide to produce from 2 to 12 grams per liter of free cyanide in the solution and an amount of a brightening addition agent of the class consisting of B-mercapto ethanol, dithiodiglycol, B,B' dihydroxyethyl sulfide and thioglycollic acid sufficient to permit a brilliant cathodic deposit of copper upon the passage of an electric current from a copper anode to a cathode through the bath, the concentration of said brightening addition agent being from 0.05 gram per liter to 10 grams per liter in the case of B-mercapto ethanol, from 0.04 gram per liter to 1.8 grams per liter in the case of dithiodiglycol, from 0.007 gram per liter to 35 grams per liter in the case of thioglycollic acid, and from 1 gram per liter to 240 grams per liter in the case of B,B' dihydroxyethyl sulfide.

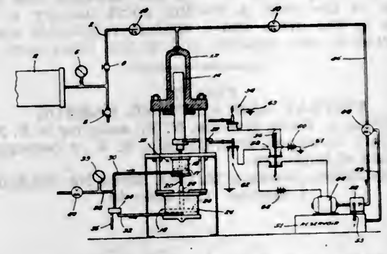
2,495,669
FLUID APPARATUS
Earl Cannon, Downers Grove, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 27, 1947, Serial No. 776,453
7 Claims. (Cl. 103—42)



1. A system of the class described comprising an intensifier with a relatively small chamber, a relatively large chamber, and interconnected ram means reciprocal within respective chambers, a line connected to the small chamber and adapted to supply hydraulic fluid under pressure to an associated hydraulic device, pump means connected to said line for forcing said fluid therethrough, a pressure control line connected to the

large chamber, means for continuously delivering a different hydraulic fluid to said control line at an adjustable predetermined pressure value which controls the pressure in said small chamber, the pressure against the ram means in said small chamber exerted by the ram means in said large chamber being at all times less than that delivered by said pump means to the small chamber, and means for automatically subjecting the small chamber to the pressure developed by said pump means when the volume of hydraulic fluid in said small chamber reaches a predetermined minimum value and for automatically relieving said small chamber from the pressure developed by said pump means when the volume of hydraulic fluid in the small chamber reaches a predetermined maximum value.

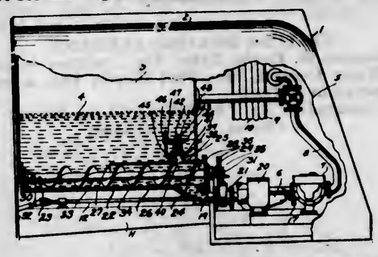
2,495,670
FLUID APPARATUS
Earl Cannon, Downers Grove, and Edward J. Lukes, Brookfield, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 2, 1947, Serial No. 777,548
14 Claims. (Cl. 103—5)



1. An hydraulic system for supplying hydraulic fluid under a predetermined pressure comprising an hydraulic cylinder, a ram therein, means for developing pressure against the external end of said ram comprising a pair of piston and cylinder devices arranged in series with the piston of one device engageable with said ram, and the piston of the other device engageable with the first-mentioned piston, means for selectively supplying compressed gas to one or both of said devices to actuate the same, a pump having its discharge side connected to said hydraulic cylinder for charging the same, electrically actuated means responsive to the position of said ram for automatically actuating said pump when the volume of hydraulic fluid in said hydraulic cylinder reaches a predetermined minimum value, and means responsive to the position of said ram for automatically deenergizing said electrically actuated means when the volume of hydraulic fluid in said hydraulic cylinder reaches a predetermined maximum value.

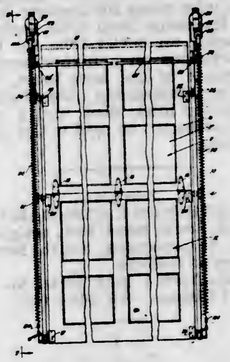
2,495,671
APPARATUS FOR DISPENSING VISCOSE FLUIDS
William E. Cellwork, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application December 18, 1944, Serial No. 568,611
7 Claims. (Cl. 222—252)

1. In an apparatus of the character described, a container, a trough in the bottom of the container, means covering a portion of the trough within the container for forming a duct and having an outlet located in said container, a pump connected with the duct, a spiral conveyor rotatable in the trough and extending into the duct for moving a viscose material from the con-



tainer to the pump, and bypass means connected with the outlet in the duct and located completely within the container for discharge directly into the body of viscose material adapted to be carried in the container.

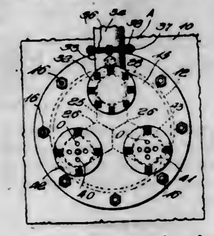
2,495,672
GARAGE DOOR
Owen L. Dautrick, Detroit, Mich., assignor of one-half to Stewart J. Dautrick, Detroit, Mich.; said Stewart J. Dautrick, executor of said Owen L. Dautrick, deceased, assignor, by direct and mesne assignments, to Robert H. Wendt, Chicago, Ill.
Application August 2, 1946, Serial No. 688,046
4 Claims. (Cl. 160—191)



1. A counter-balancing and guiding assembly for roller-supported garage doors, comprising an upright metal channel, a U bracket having one leg welded to the yoke of said channel and the other leg formed with a hook, said bracket being apertured at its yoke, a helical spring, a chain carried by one end for the spring for adjustably supporting the spring on said hook, a pulley sheave supporting the other end of the spring, a pulley to be mounted on a door frame, a cable passing through the sheave and over the latter pulley, and having its end secured to said pulley, said cable passing down from said pulley, inside said upright channel, a tapered ferrule carried by the other end of said cable, a roller having a clearance with the flanges of said channel, an angle bracket for securement to the door panel, and having a stub shaft supporting said roller and engaging inside the yoke of said channel, and a U shaped bracket having both legs pivoted

on said stub shaft, the yoke of said bracket being slotted to pass said cable and apertured to engage the tapered side of said ferrule.

2,495,673
TRITUBE HEATING ELEMENT
Ransome W. Erwin, Tyler, Tex., assignor to Salt Water Control, Inc., Fort Worth, Tex., a corporation of Texas
Application April 9, 1945, Serial No. 587,387
2 Claims. (Cl. 126—360)



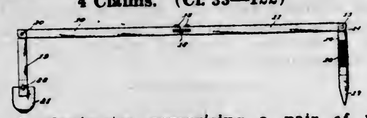
1. For use with a vessel for heating liquids having a lateral opening therein, a removable circular cover plate for said opening, a symmetrical tri-tube heating unit carried by said cover plate, the tubes of said unit having parallel axes, the front end of said tubes extending through said cover plate to the outside of the vessel, and the rear ends being interconnected, said tubes being of substantially the same diameter and symmetrically arranged with reference to each other and to the circular cover plate, two of the tubes being inlet tubes for heating fluid and arranged on the same level with each other and the third being an outlet tube for the heating fluid and arranged on a higher level than and above the plane of the inlet tubes, burners for supplying hot combustible gases located at the entrances to the inlet tubes, and a smoke stack detachably connected to said outlet pipe outside the cover plate.

2,495,674
EXTENSIBLE STANDARD
Fred S. Lewis, South Bend, Ind., assignor to Electro-Voice, Incorporated, South Bend, Ind., a corporation of Indiana
Application April 4, 1946, Serial No. 659,553
3 Claims. (Cl. 248—161)



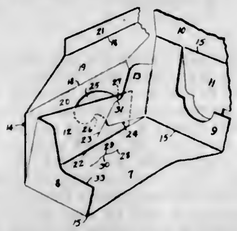
1. An extensible standard comprising a base, a tube secured to said base, a rod secured to said base and positioned within said tube, a second tube fitting slidably within said first tube, a tilt plate carried by said second tube and having an aperture fitting around said rod, resilient means normally tilting said plate to interlocking engagement with said rod at said opening, and means for shifting said plate to horizontal position.

2,495,675
PLANIMETER
Nandor Porges, Newark, N. J., and Joseph T. Hogan, New Orleans, La.; said Hogan assignor to said Porges
Application November 29, 1945, Serial No. 631,582
4 Claims. (Cl. 33—122)



1. A planimeter comprising a pair of rods having adjacent ends thereof pivotally connected to opposite ends of an intervening link for alinement of the rods in operative condition of the device and for folding of the rods into adjacent parallel relation in an inoperative condition of the device, a pair of arms having one end thereof pivotally connected to the opposite end of one of the rods, a tracing point unitary with one of the arms and a spatula removably supported by the opposite end of the other arm.

2,495,676
DISPLAY AND SHIPPING CARTON
William J. Wells, Buffalo, N. Y., assignor to F. N. Burt Company, Inc., Buffalo, N. Y., a corporation of Delaware
Application January 22, 1945, Serial No. 573,830
3 Claims. (Cl. 206—44)

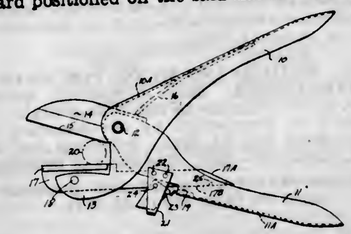


1. In a carton, in combination, enclosing walls including front and rear panels and a bottom, said front and rear panels being connected to said bottom for tilting adjusting movements thereon from substantially erect shipping position into inclined display position, closure flaps respectively connected to said front and rear panels and angularly disposed thereto and extending toward each other into overlapping relation, both of said overlapping closure flaps being swingable with the tilting adjustments of the panels, one of said closure flaps having a transversely extending elongated slot extending therethrough and part way thereacross and having an upper terminal, another of said closure flaps having a supporting lug or tongue projecting through said elongated slot so that said tongue and slot are relatively adjustable longitudinally of the slot during swinging adjustments of either of said closure flaps with the corresponding tilting adjustments of said front and rear panels, a limiting shoulder connected to said closure flap having said tongue, said limiting shoulder being positioned for engagement with said upper slot terminal to limit and support the

connected panel in one of its adjusted positions, a top flap for the carton forming an upper integral extension of said rear panel, a weakened line in said rear panel extending along the upper edge thereof and forming a hinge on which the top flap is swingable, said rear panel being slitted below said weakened line to form a display flap normally disposed below and connected to said hinge beneath the same to form a part of said rear panel and being swingable on said hinge into upwardly extending display position above said rear panel when the carton is adjusted into display condition.

2,495,677
PRUNING SHEARS
Hugh N. Boyer, Canfield, Ohio; Elizabeth M. Boyer executrix of said Hugh N. Boyer, deceased
Application February 4, 1946, Serial No. 645,308
2 Claims. (Cl. 30—181)

2. In a pruning shears including crossed and pivoted handle members one of which is provided with a knife blade and the other of which is provided with a secondary pivoted jaw, means for moving the pivoted jaw, said means comprising a rearwardly extending portion of the pivoted jaw slidably engaging the other one of the said handles, and means for holding a pruning shears in closed position, said means including a finger guard positioned on the said handle slidably receiving the rearwardly extending portion of the pivoted jaw, a keeper formed in the said rearwardly extending portion of the pivoted jaw, a latch pivoted to said finger guard and a portion of the said latch adapted to register with the said keeper.

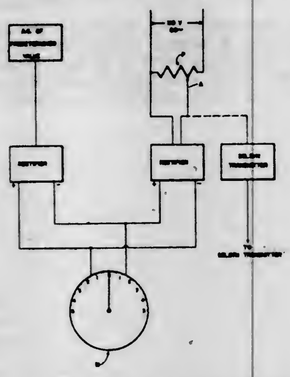


ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

472,153. **METHOD AND MEANS FOR TRANSMITTING DATA.** John J. Slattery, Spring Lake, N. J., assignor to the United States of America as represented by the Secretary of War. Filed Jan. 12, 1943. Published Jan. 24, 1950. Class 177—353. One sheet of drawings.

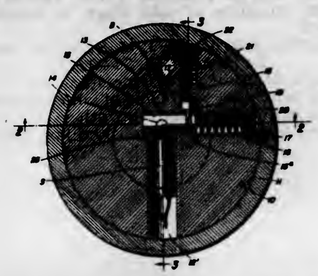
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The disclosure relates to a system for transmitting to a remote point information gathered at a detecting station. An alternating current of a magnitude proportional to the information to be transmitted is first generated. A second alternating current is produced to neutralize the first current by adjusting the contact arm of a potentiometer connected across a source of alternating current. Mechanically coupled to the adjustable contact arm of the potentiometer is the rotor of a transmitting unit of a Selsyn system. The adjustment of the potentiometer arm determines the torque developed in the Selsyn system which imparts a mechanical movement to the rotor of the receiving unit of the Selsyn system at the remote point thereby transmitting the information to the remote point.

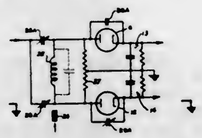
484,907. **SAFETY DEVICE FOR ROTATING PROJECTILES.** Thomas M. Perry, Bennington, Vt., assignor to the United States of America as represented by the Secretary of the Navy. Filed Apr. 28, 1943. Published Jan. 24, 1950. Class 102—79. Two sheets of drawings.

The disclosure is a safety device for preventing the premature detonation of a rotatable explosive projectile or the like, being mounted within the projectile to prevent communication between a squib S and a booster B when the device is in safe position and to permit communication between the squib and the booster when the device is in armed position and capable of being actuated from safe to armed position by centrifugal force created by the rotation of the projectile, said device comprising a body member 10 which has a first bore 12' to contain the squib and a second bore 12 to contain the booster, a cylinder 13 in said body member being connected through a port 14 with said second bore 12, there being a frangible wall 25 between the cylinder and said first bore 12', a gate member 15 slidable in said cylinder closing said port 14 and simultaneously strengthening said frangible wall when the gate member is in its innermost safe position so that inadvertent firing of said squib S will not place



said first bore in communication with said gate member and said cylinder, but when said gate member is slid outwardly by centrifugal force it uncovers the port 14 to remove its support from the frangible wall 25 whereupon the squib can fracture said wall and place the first bore 12' in communication with the cylinder 13 and the second bore 12.

563,933. **DISCRIMINATOR.** Herbert G. Weiss, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Nov. 17, 1944. Published Jan. 24, 1950. Class 250—27.1–3. One sheet of drawings.



The disclosure relates to a frequency discriminator of the slug-tuning type. The input is applied between two unequal reactances which are connected across the tuning coil. Capacitors 28A and 29A may be connected across the rectifiers to compensate for any unbalanced response of the discriminator caused by displacement of the slug 24. Resistor 27 provides a D. C. return path for the diodes.

595,364. **ELECTRICAL DEVICE.** Edward E. Miller, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed May 23, 1945. Published Jan. 24, 1950. Class 343—18. One sheet of drawings.

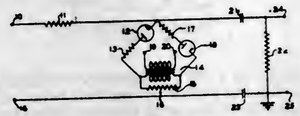
This disclosure relates to means for imparting identifying characteristics to echo signals reflected from ground markers such as corner reflectors.

A ground marker comprises two pairs of trihedral reflectors 10, mounted at opposite ends of



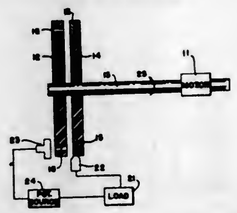
a supporting arm 11, and rotated by drive motor 12.

596,725. **ELECTRICAL CIRCUIT.** Albert M. Grass, Quincy, and Thaddeus W. Niemiec, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed May 30, 1945. Published Jan. 24, 1950. Class 332—47. One sheet of drawings.



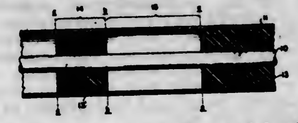
A diode modulator device for producing a voltage wave whose amplitude is proportional to a direct current input, consisting of a balanced bridge network two of the arms consisting of rectifiers in series with resistances, the other two arms consisting of the two sections of a potentiometer connected across the secondary winding of a transformer. Upon a unidirectional voltage being applied between the junction point of the first named pair of arms and the top point of the potentiometer and a sine wave applied across the transformer primary an alternating wave output is obtained whose amplitude is proportional to the unidirectional voltage applied.

598,155. **ELECTRICAL DEVICE.** Philip H. Miller, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed June 7, 1945. Published Jan. 24, 1950. Class 250—38. One sheet of drawings.



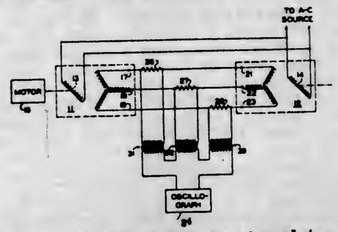
A rotary spark gap particularly adapted for use as a modulator, having a first circular disc fixedly mounted on a motor-driven rotary shaft, said first disc having equally spaced openings corresponding to the number of arcs required per unit time; a second circular disc carrying a ring-shaped electrode, said second disc being mounted on the rotary shaft near said first disc but free to rotate relative to said shaft, the ring-shaped electrode being connected to one side of a load by a brush contact, a second or cathode electrode rigidly mounted adjacent to the said first disc and connected to the negative terminal of a potential source; and a connection between the positive terminal of said potential source and the other side of said load.

600,356. **IMPEDANCE-MATCHING ARRANGEMENT.** Harold A. Wheeler, Great Neck, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Filed June 19, 1945. Published Jan. 24, 1950. Class 178—44. One sheet of drawings.



In connecting an air-filled co-axial cable with a solid-dielectric-filled co-axial cable of the same physical dimensions but having different characteristic impedances and propagation characteristics because of the difference in dielectrics, a section of dielectric-filled cable having an effective length at the operating frequency of substantially one-twelfth of a wave length is connected to the end of the air-filled co-axial cable. A section of air-filled co-axial cable having an effective length of substantially one-twelfth of a wave length at the operating frequency is connected to the end of the dielectric-filled cable, and the two open ends of the short sections are connected together.

651,304. **ELECTRICAL APPARATUS.** Samuel Noodleman, Dayton, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Mar. 1, 1946. Published Jan. 24, 1950. Class 177—311.29. One sheet of drawings.



The apparatus described herein relates to an apparatus for measuring the lag error of a three phase A. C. synchro data-transmission system.

For this purpose a resistance is inserted in each of the wires connecting corresponding phases of the transmission system and the voltage across each resistance is connected to a separate primary of a transformer. The secondaries of all the transformers are connected in series, one secondary being connected in opposition to the other secondaries, and an oscillograph is connected in series circuit with the secondaries. A voltage from the secondaries is applied to the oscillograph which voltage by its magnitude effects an indication on the oscillograph of the lag error.

654,526. **POLYMERS OF ISOPROPENYL FLUOROACETATE COMPOUNDS.** Joseph B. Dickey and Theodore E. Stanin, Rochester, N. Y. Filed Mar. 14, 1946. Published Jan. 24, 1950. Class 260—85.5. No Drawing.

This application relates to polymers of isopropenyl fluoroacetates.

The polymers may be prepared by polymerizing a monomeric compound represented by the general formula:

$$CH_2=\underset{\displaystyle CH_3}{\overset{\displaystyle |}{C}}-O-\overset{\displaystyle O}{\overset{\displaystyle ||}{C}}-CXF_2$$

wherein X represents a member selected from the

group consisting of an atom of hydrogen, an atom of fluorine and an atom of chlorine, alone to form homopolymers or in admixture with one or more other polymerizable monomeric unsaturated compounds to form copolymers, for example, copolymers with vinyl chloride, vinylidene chloride, vinyl acetate, vinyl propionate, vinyl trifluoroacetate, styrene, p-cyanostyrene, o-acetaminostyrene, p-sulfamidostyrene, chlorostyrene, methyl methacrylate, methyl acrylate, vinyl methyl ketone, vinyl methyl sulfone, vinyl sulfonamide, vinyl ethyl ether, isobutylene, ethylene, acrylonitrile, methacrylonitrile, isopropenyl phosphonamide, amides, esters and half-nitriles of maleic and fumaric acids, etc.

The polymerizations are facilitated by heat and by the presence of polymerization catalysts such as benzoyl peroxide, acetyl peroxide, alkali metal peroxides, alkali metal persulfates, hydrogen peroxide, etc. The polymerizations can be carried out under normal or higher pressures in mass or in emulsion conditions. The copolymers contain from 1 to 99 molecular parts of isopropenyl fluoroacetate groups and from 99 to 1 molecular parts of the other mentioned unsaturated compounds.

The resinous polymeric products have a wide variety of uses particularly where high resistance to heat is needed as in wires, rods, tubes, sheets, molded objects, etc. Fillers and coloring materials can be incorporated into the resins as desired.

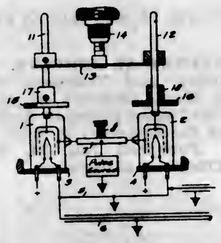
Working examples are as follows:

I. 25 grams of trifluoroacetic acid were placed in a 100 cc. three-necked flask equipped with an air stirrer reflux condenser and a gas inlet tube (fritted glass for fine bubbles). To the acid were added 0.478 gram of mercuric oxide, followed by 2.02 cc. of 60 per cent oleum in glacial acetic acid (1 cc.–0.239 gram of mercuric oxide) measured from a fine burette. The mixture was well stirred and methylacetylene passed into it for a period of about 17 hours. The gas was purified by bubbling through water and then through concentrated sulfuric acid. The reaction mixture was then treated with 2 grams of anhydrous sodium acetate and distilled, using a 50 cc. modified Claisen flask provided with a 10'' vigreaux side arm. The isopropenyl trifluoroacetate distilled over in the first fraction. This was redistilled twice obtaining thereby a good yield of isopropenyl trifluoroacetate, boiling at 63–65° C., and polymerizing in a few days in the presence of benzoyl peroxide at about 50° C., to a hard, transparent solid, soluble in acetone.

II. *Copolymer of Isopropenyltrifluoroacetate and Alpha-Methylacrylonitrile*

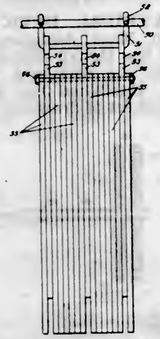
10 grams of isopropenyltrifluoroacetate and 10 grams of alpha-methylacrylonitrile were polymerized using acetyl peroxide as a catalyst at a temperature of 60° C. The product obtained was an acetone soluble, slightly yellow colored solid. In place of alpha-methylacrylonitrile in the above example, there can be substituted acrylonitrile, alpha-chloroacrylonitrile, fumaronitrile, maleonitrile or alpha-acetoxyacrylonitrile to obtain corresponding copolymeric compounds. Other copolymers can be obtained by replacing the isopropenyltrifluoroacetate in the above example with isopropenyldifluoroacetate, isopropenyldifluorochloroacetate or cyclohexenyltrifluoroacetate.

739,557. **CORONA SHIELD.** Hagan L. Jackson, Baltimore, Md., assignor to Westinghouse Electric Corp., East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Apr. 5, 1947. Published Jan. 24, 1950. Class 250—27.5. One sheet of drawings.



This device is a high frequency oscillation generator employing a pair of electron tubes in push-pull arrangement, the grid circuits being tuned by a Lecher system and the cathodes being interconnected through a half wave line grounded at its midpoint. Corona shields of a dielectric material such as steatite are used to cut down the corona losses to a negligible magnitude without impairing the ability to tune the oscillator to the desired high frequencies.

740,609. **ELECTRODEPOSITION ANODE.** Leslie N. Smith, Cleveland Heights, Ohio, assignor to the Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio. Filed Apr. 10, 1947. Published Jan. 24, 1950. Class 204—286. Two sheets of drawings.

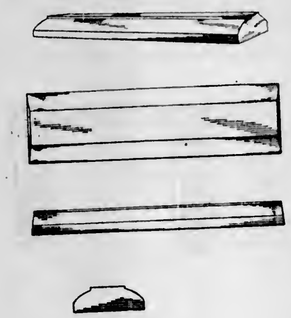


The composite anode disclosed is for use as a source of metal in electrodeposition of nickel and comprises a plurality of strips **53**, **55** of electrosheet nickel assured together by bolt and nut connector **56** and the composite supported by one or more of such strips having a notch **54** formed in a portion extending above the other strips and adapted to engage over a bus bar **51**.

DESIGNS

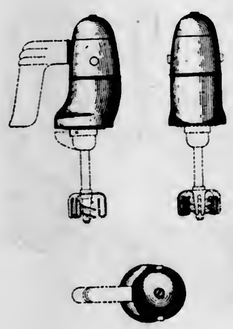
JANUARY 24, 1950

156,930
CONCRETE BURIAL VAULT CLOSURE
Leonard E. Abbott, Kalamazoo, Mich.
Application November 1, 1947, Serial No. 142,262
Term of patent 14 years
(Cl. D19—1)



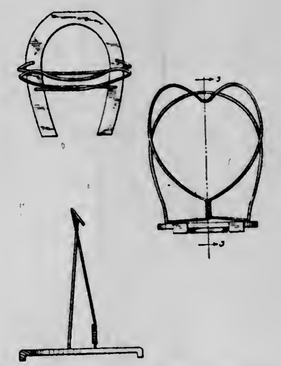
The ornamental design for a concrete burial vault closure, as shown.

156,931
PORTABLE ELECTRIC FOOD MIXER
Raymond H. Andresen, Chicago, Ill.
Application November 10, 1948, Serial No. 149,554
Term of patent 7 years
(Cl. D44—1)



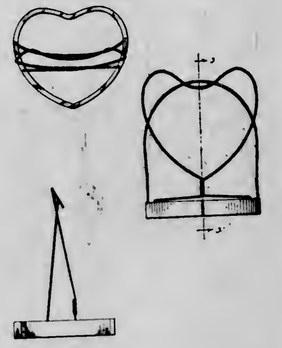
The ornamental design for a portable electric food mixer, substantially as shown and described.

156,932
NAPKIN HOLDER
Peter Beghetti, San Francisco, Calif.
Application August 23, 1947, Serial No. 141,017
Term of patent 3½ years
(Cl. D44—24)



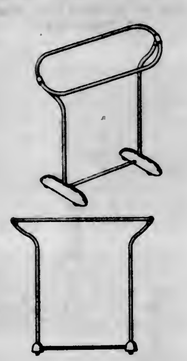
The ornamental design for a napkin holder, as shown.

156,933
HOLDER FOR NAPKINS
Peter Beghetti, San Francisco, Calif.
Application August 23, 1947, Serial No. 141,018
Term of patent 3½ years
(Cl. D44—24)



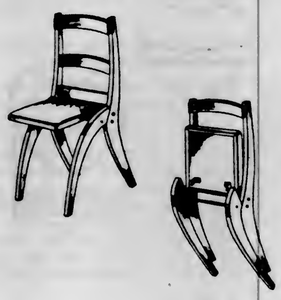
The ornamental design for a holder for napkins, as shown.

156,934
FLOOR RACK, DISPLAY STAND, OR SIMILAR ARTICLE
Edward A. Burgess, Toronto, Ontario, Canada
Application May 1, 1948, Serial No. 146,128
Term of patent 3½ years
(Cl. D33—8)



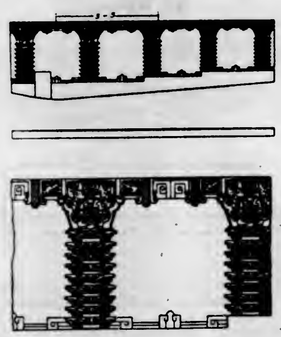
The ornamental design for a floor rack, display stand, or similar article, as shown.

156,935
FOLDING CHAIR
Carl T. Carlson, Iron Mountain, Mich.
Application January 3, 1949, Serial No. 14
Term of patent 7 years
(Cl. D15—1)



The ornamental design for a folding chair, as shown.

156,936
INTERIOR WALL PANEL
William Chavalas, Los Angeles, Calif., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 12, 1947, Serial No. 141,353
Term of patent 14 years
(Cl. D68—1)



The ornametal design for an interior wall panel, as shown.

156,937
STOCKING
Guido Clauss, Elizabethtown, Pa.
Application March 1, 1949, Serial No. 1,151
Term of patent 14 years
(Cl. D47—7)



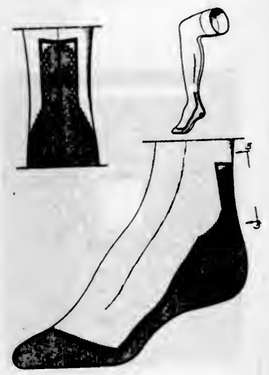
The ornamental design for a stocking, as shown.

156,938
STOCKING
Guido Clauss, Elizabethtown, Pa.
Application March 1, 1949, Serial No. 1,153
Term of patent 14 years
(Cl. D47—7)



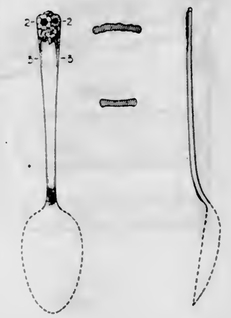
The ornamental design for a stocking, as shown.

156,939
STOCKING
Guido Clauss, Elizabethtown, Pa.
Application March 23, 1949, Serial No. 1,569
Term of patent 14 years
(Cl. D47—7)



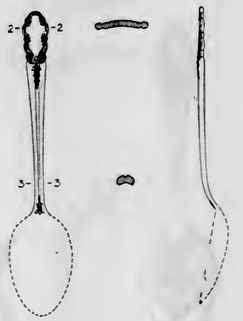
The ornamental design for a stocking, as shown.

156,940
SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application June 2, 1949, Serial No. 3,014
Term of patent 14 years
(Cl. D54—12)



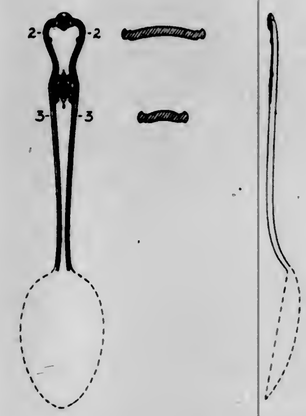
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

156,941
SPOON OR OTHER ARTICLE OF FLATWARE
Alexandra A. Dabrowski, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application January 24, 1949, Serial No. 416
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

156,942
SPOON OR OTHER ARTICLE OF FLATWARE
Alexandra A. Dabrowski, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application July 20, 1949, Serial No. 4,210
Term of patent 14 years
(Cl. D54—12)



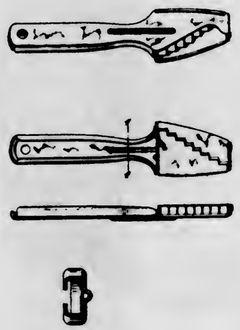
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

156,943
SPOON OR SIMILAR ARTICLE
Edmund A. Davis, Attleboro, Mass., assignor to Edith E. Steckler, St. Martinville, La.
Application August 27, 1949, Serial No. 4,719
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, substantially as shown.

156,944
VEGETABLE CUTTER OR SIMILAR ARTICLE
Ralph P. De Vault, Arcadia, Calif.
Application November 23, 1948, Serial No. 149,781
Term of patent 14 years
(Cl. D89—1)



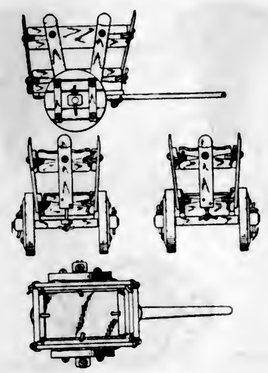
The ornamental design for a vegetable cutter or similar article, substantially as shown.

156,945
BOX COVER OR THE LIKE
Arline A. Elisayeff, New York, N. Y., and Edward F. Loeschorn, Bogota, N. J., assignors, by mesne assignments, to Valcort Hosiery Corporation
Application January 7, 1949, Serial No. 105
Term of patent 14 years
(Cl. D58—12)



The ornamental design for a box cover or the like, substantially as shown, and described.

156,946
FRUIT RECEPTACLE OR SIMILAR ARTICLE
Thomas Farrell, Chicago, Ill., assignor to Starr Productions, Chicago, Ill., a partnership composed of Richard Starr, Thomas Farrell, and Frank G. Stein
Application May 18, 1948, Serial No. 146,434
Term of patent 3½ years
(Cl. D44—10)



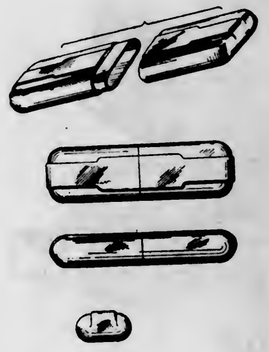
The ornamental design for a fruit receptacle or similar article, substantially as shown.

156,947
CHAIR
Joseph V. Faust, St. Louis, Mo., assignor to National Machine Company, St. Louis, Mo., a corporation of Missouri
Application November 20, 1948, Serial No. 149,738
Term of patent 3½ years
(Cl. D15—1)



The ornamental design for a chair, as shown.

156,948
TAMPON CONTAINER
Suzanne C. Fisher, Flushing, N. Y.
Application April 15, 1948, Serial No. 145,740
Term of patent 3½ years
(Cl. D58—11)



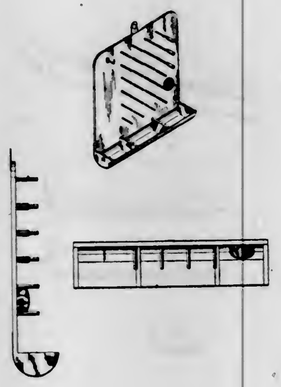
The ornamental design for a tampon container, substantially as shown.

156,949
COMBINED CIGARETTE CASE AND LIGHTER
Mack Forman, Providence, R. I., assignor to Marathon Company, a corporation of Massachusetts
Application May 12, 1949, Serial No. 2,609
Term of patent 14 years
(Cl. D48—27)



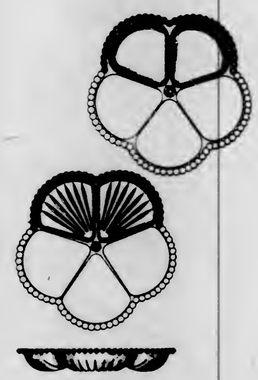
The ornamental design for a combined cigarette case and lighter, substantially as shown and described.

156,950
HOLDER FOR SEWING ACCESSORIES
Duchess E. Formhals, Cleveland, Ohio
Application October 27, 1947, Serial No. 142,157
Term of patent 14 years
(Cl. D3—19)



The ornamental design for a holder for sewing accessories, substantially as shown.

156,951
DISH OR SIMILAR ARTICLE
Harry A. Ganser, New York, N. Y., assignor to Plastic Jewel Co. Inc., West Orange, N. J., a corporation of New Jersey
Application November 9, 1948, Serial No. 149,544
Term of patent 14 years
(Cl. D36—2)



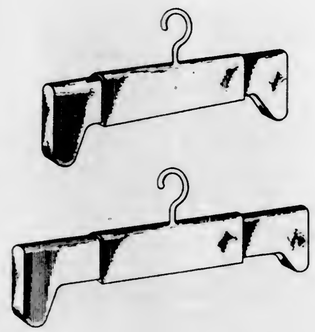
The ornamental design for a dish or similar article, substantially as shown and described.

156,952
FINGER RING
Charles G. Gill and Edward F. Gill, Woburn, Mass.
Application May 23, 1949, Serial No. 2,833
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring, as shown.

156,953
SKIRT AND GARMENT HANGER
Gerald L. Goetsch, Hartley, Iowa
Application May 21, 1948, Serial No. 146,508
Term of patent 7 years
(Cl. D80—8)



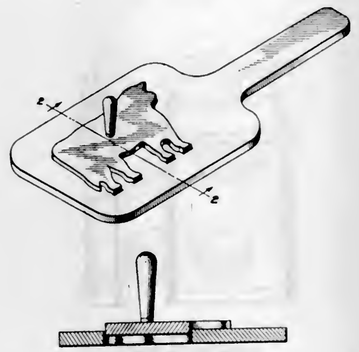
The ornamental design for a skirt and garment hanger, as shown.

156,954
BRASSIÈRE
Charles Gubernick, Brooklyn, N. Y.
Application June 30, 1948, Serial No. 147,307
Term of patent 3½ years
(Cl. D20—4)



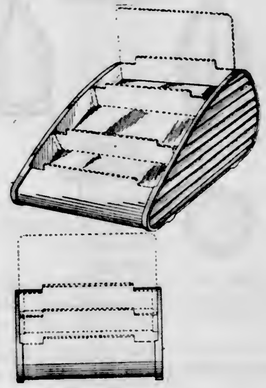
The ornamental design for a brassière, as shown.

156,955
HAMBURGER MOLD OR THE LIKE
Rodney E. Graves, Williams, Ariz.
Application July 26, 1948, Serial No. 147,785
Term of patent 14 years
(Cl. D44—29)



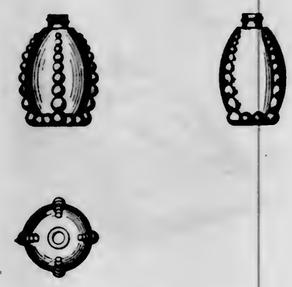
The ornamental design for a hamburger mold or the like, substantially as shown.

156,956
DISPLAY RACK OR SIMILAR ARTICLE
Winfield S. Hassler, Chicago, Ill., assignor to The Curtiss Candy Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1947, Serial No. 140,923
Term of patent 14 years
(Cl. D80—9)



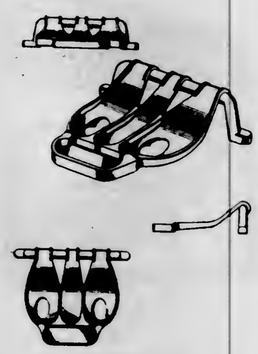
The ornamental design for a display rack or similar article, substantially as shown and described.

156,957
BOTTLE
Fred R. High, Attlebero, Mass., assignor to T. J. Holmes Co., Inc., Attlebero, Mass., a corporation of Massachusetts
Application April 22, 1948, Serial No. 145,902
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a bottle, as shown.

156,958
UTENSIL RACK
Camille R. Hoeft, Los Angeles, Calif.
Application October 10, 1947, Serial No. 141,849
Term of patent 7 years
(Cl. D44—29)



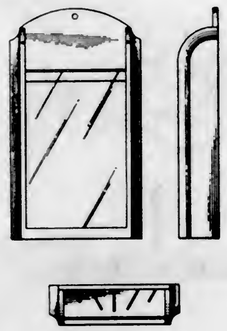
The ornamental design for a utensil rack, substantially as shown.

156,959
HEAT APPLICATOR OR SIMILAR ARTICLE
Emil Hofman, Newark, N. J.
Application October 1, 1947, Serial No. 141,705
Term of patent 14 years
(Cl. D83—1)



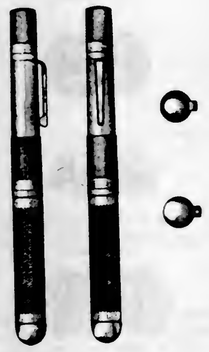
The ornamental design for a heat applicator or similar article, as shown.

156,960
ENCLOSED KNIFE HOLDER
Rush B. Hout and Casimir V. Ufnal, Cherry Creek, N. Y.
Application January 15, 1949, Serial No. 248
Term of patent 3½ years
(Cl. D44—29)



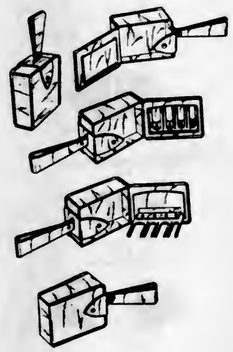
The ornamental design for an enclosed knife holder, substantially as shown.

156,961
MOTORLESS DRY SHAVER
Rasmus M. Hvid, Wilmette, Ill., assignor to Veed Corp., Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 142,454
Term of patent 14 years
(Cl. D22—3)



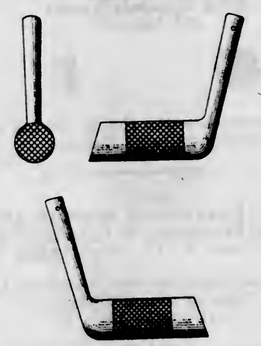
The ornamental design for a motorless dry shaver, substantially as shown.

156,962
HANDBAG
Sidney Hyman, New York, N. Y.
Application July 16, 1949, Serial No. 3,949
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, as shown and described.

156,963
PUTTING GAME CLUB HEAD
August T. Johnson, Winters, Calif.
Application April 19, 1948, Serial No. 145,819
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a putting game club head, substantially as shown.

156,964
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 13, 1949, Serial No. 3,898
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

156,965
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1949, Serial No. 4,208
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

156,966
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1949, Serial No. 4,249
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

156,967
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 4, 1949, Serial No. 4,281
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

156,968
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 4, 1949, Serial No. 4,282
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

156,969
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 4, 1949, Serial No. 4,283
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

156,970
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 4, 1949, Serial No. 4,284
Term of patent 7 years
(Cl. D45—19)



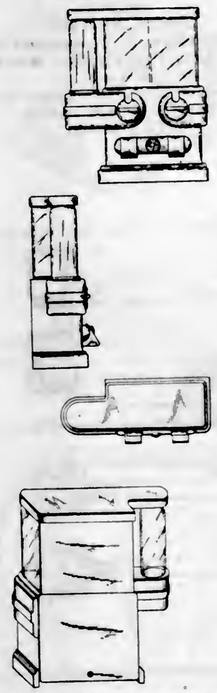
The ornamental design for a separable brooch or similar article, substantially as shown.

156,971
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 11, 1949, Serial No. 4,409
Term of patent 7 years
(Cl. D45—19)



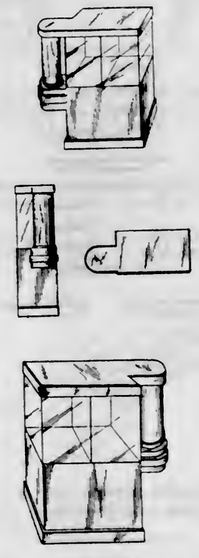
The ornamental design for a separable brooch or similar article, substantially as shown and described.

156,972
VENDING MACHINE CABINET
Harold N. Kinne, Peoria, Ill., assignor to Corson E. Bobenmyer, Peoria, Ill.
Application August 18, 1947, Serial No. 140,935
Term of patent 14 years
(Cl. D52—3)



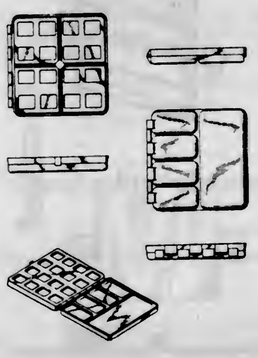
The ornamental design for a vending machine cabinet, substantially as shown.

156,973
VENDING MACHINE CABINET
Harold N. Kinne, Peoria, Ill., assignor to Corson E. Bobenmyer, Peoria, Ill.
Application November 10, 1947, Serial No. 142,414
Term of patent 14 years
(Cl. D52—3)



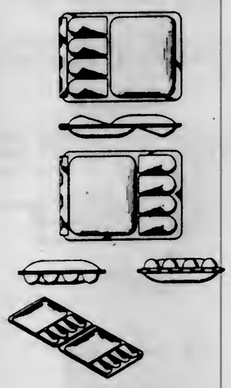
The ornamental design for a vending machine cabinet, as shown.

156,974
WATER COLOR PAINTBOX
Joseph E. Knowles, Santa Barbara, Calif.
Application March 26, 1949, Serial No. 1,635
Term of patent 14 years
(Cl. D74—1)



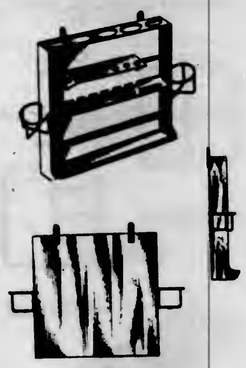
The ornamental design for a water color paintbox, as shown and described.

156,975
WATER COLOR PALETTE
Joseph E. Knowles, Goode P. Davis, and Standish Backus, Jr., Santa Barbara, Calif.
Application March 26, 1949, Serial No. 1,636
Term of patent 14 years
(Cl. D74—1)



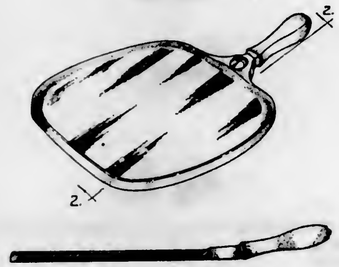
The ornamental design for a water color palette, as shown and described.

156,976
GROOMING RACK
Alexander Lawrence, New York, N. Y.
Application April 6, 1948, Serial No. 145,562
Term of patent 3½ years
(Cl. D33—3)



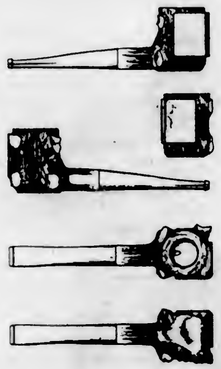
The ornamental design for a grooming rack, substantially as shown.

156,977
GRIDDLE
Ollyn A. Layne, South Pasadena, Calif.
Application July 2, 1948, Serial No. 147,346
Term of patent 14 years
(Cl. D44—1)



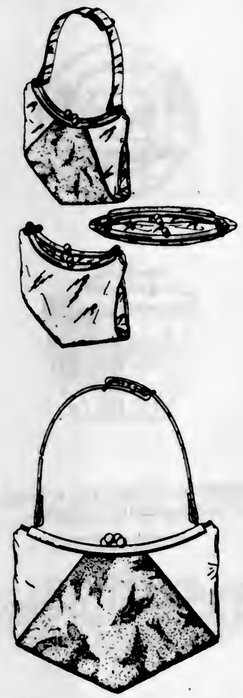
The ornamental design for a griddle, as shown.

156,978
SMOKING PIPE
Ben Lieber, Brooklyn, N. Y., assignor to Knickerbocker Smoking Pipe Co. Inc., Brooklyn, N. Y., a corporation of New York
Application June 2, 1949, Serial No. 3,012
Term of patent 7 years
(Cl. D85—8)



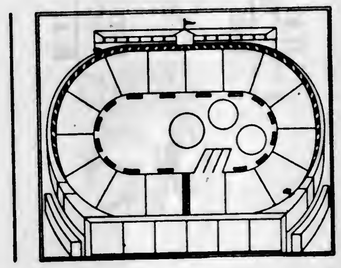
The ornamental design for a smoking pipe, as shown.

156,979
COMBINED HANDBAG AND MUFF
Louis Lipshutz, New York, N. Y.
Application June 16, 1948, Serial No. 147,014
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a combined handbag and muff, as shown.

156,980
GAME BOARD
Dorothe Lundgren, Fontana, Calif.
Application April 3, 1948, Serial No. 145,509
Term of patent 7 years
(Cl. D34—5)



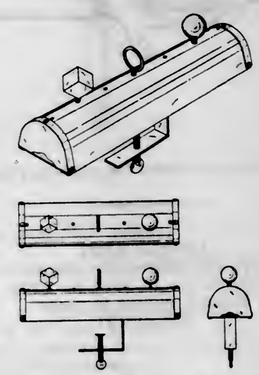
The ornamental design for a game board, substantially as shown and described.

156,981
CLIP OR SIMILAR ARTICLE
Willard G. Markle, New York, N. Y.
Application September 17, 1949, Serial No. 5,053
Term of patent 3½ years
(Cl. D45—19)



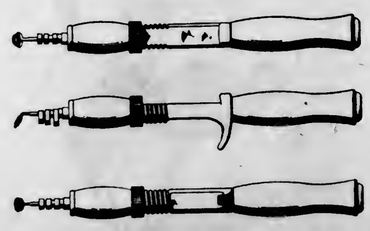
The ornamental design for a clip or similar article, substantially as shown and described.

156,982
CHILD'S AMUSEMENT DEVICE
Guy McCandless and Oliver W. Dunbar, St. Louis, Mo.
Application April 1, 1948, Serial No. 145,474
Term of patent 3½ years
(Cl. D34—15)



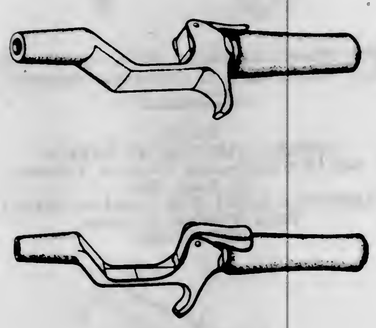
The ornamental design for a child's amusement device, substantially as shown.

156,983
FISHING ROD
John D. McMillan, Muskegon Heights, Mich., assignor to Champion Products Company, Muskegon Heights, Mich., a corporation of Michigan
Application May 9, 1949, Serial No. 2,530
Term of patent 14 years
(Cl. D31—4)



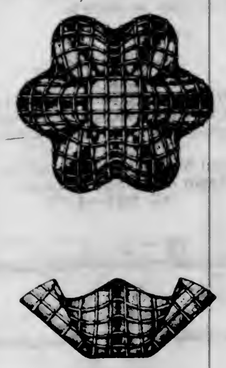
The ornamental design for a fishing rod, substantially as shown.

156,984
FISHING ROD HANDLE
Ernest Meierjohan, Cincinnati, Ohio
Application December 20, 1947, Serial No. 143,258
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fishing rod handle, as shown.

156,985
EDIBLE DISH
Frank Wesley Moffett, Jr., Gates, N. Y.
Application December 13, 1946, Serial No. 135,476
Term of patent 14 years
(Cl. D8—1)



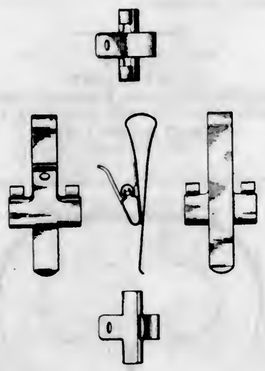
The ornamental design for an edible dish, as shown.

156,986
HAND LOTION DISPENSING JAR
Arthur Morris, Beverly Hills, Calif.
Application May 14, 1948, Serial No. 146,360
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a hand lotion dispensing jar, substantially as shown.

156,987
GOLF BAG CLIP
Robert E. Newton, San Francisco, Calif.
Application November 21, 1947, Serial No. 142,724
Term of patent 14 years
(Cl. D17—3)



The ornamental design for a golf bag clip, as shown.

156,988
DOLL'S HEAD OR SIMILAR ARTICLE
Frank Paris, New York, N. Y.
Application April 28, 1948, Serial No. 146,001
Term of patent 3½ years
(Cl. D34—4)



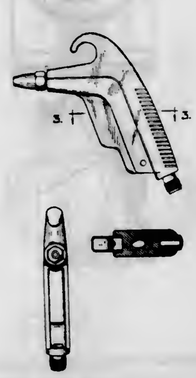
The ornamental design for a doll's head or similar article, substantially as shown.

156,989
PUPPET HEAD OR SIMILAR ARTICLE
Frank Paris, New York, N. Y.
Application April 28, 1948, Serial No. 146,002
Term of patent 3½ years
(Cl. D34—4)



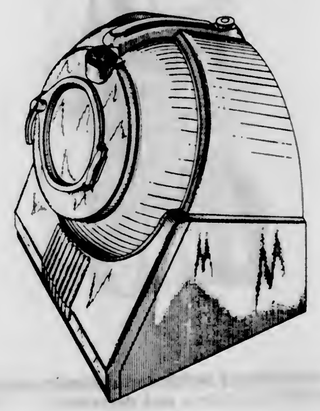
The ornamental design for a puppet head or similar article, substantially as shown.

156,990
AIR DUSTER
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application June 26, 1948, Serial No. 147,220
Term of patent 14 years
(Cl. D62—2)

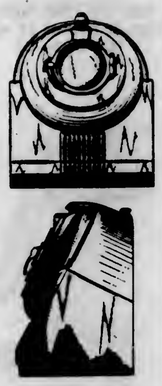


The ornamental design for an air duster, as shown.

156,991
LAUNDRY MACHINE
Frederick W. Perl, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application June 9, 1949, Serial No. 3,138
Term of patent 14 years
(Cl. D49—1)

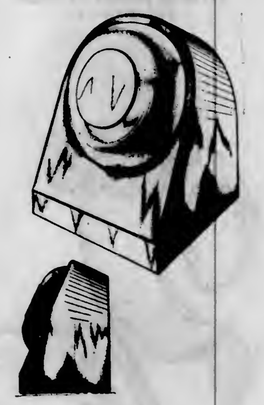


156,991—Continued



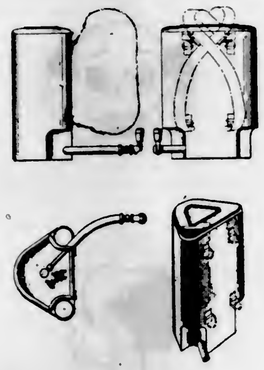
The ornamental design for a laundry machine, substantially as shown and described.

156,992
LAUNDRY MACHINE
Frederick W. Perl, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application June 9, 1949, Serial No. 3,139
Term of patent 14 years
(Cl. D49—1)



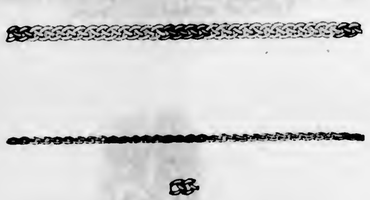
The ornamental design for a laundry machine, substantially as shown and described.

156,993
PORTABLE DRINK DISPENSER
Robert A. M. Peterson, New York, N. Y., assignor to Peterson Enterprises, Inc., New York, N. Y., a corporation of New York
Application May 17, 1948, Serial No. 146,419
Term of patent 7 years
(Cl. D2—3)



The ornamental design for a portable drink dispenser, as shown and described.

156,994
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 8, 1949, Serial No. 3,798
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

156,995
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1949, Serial No. 4,728
Term of patent 7 years
(Cl. D45—19)



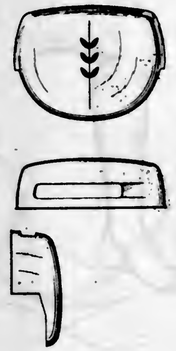
The ornamental design for a brooch or similar article, substantially as shown.

156,996
TOASTER
John N. Polivka, George T. Scharfenberg, and Vernoid M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application June 12, 1948, Serial No. 146,932
Term of patent 14 years
(Cl. D81—10)



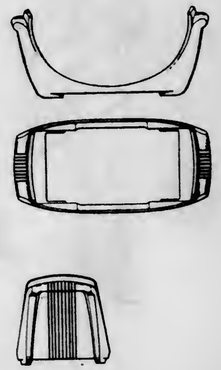
The ornamental design for a toaster, as shown.

156,997
TOASTER CASING SECTION
John N. Polivka, George T. Scharfenberg, and Vernoid M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application June 12, 1948, Serial No. 146,933
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a toaster casing section, as shown.

156,998
COMBINATION TOASTER SUPPORT AND CARRYING HANDLE
John N. Polivka, George T. Scharfenberg, and Vernoid M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application June 12, 1948, Serial No. 146,934
Term of patent 14 years
(Cl. D81—10)



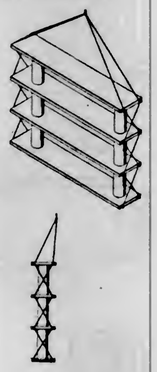
The ornamental design for a combination toaster support and carrying handle, as shown.

156,999
TABLE LIGHTER
Paul Pouliot, Montreal, Quebec, Canada, assignor to Presto Lighters Limited, Montreal, Quebec, Canada
Application August 3, 1949, Serial No. 4,267
Term of patent 7 years
(Cl. D48—27)



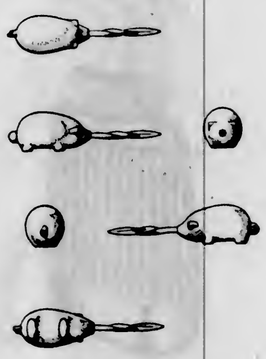
The ornamental design for a table lighter, as shown.

157,000
WALL BRACKET
Charles Rehns, New York, N. Y.
Application September 4, 1948, Serial No. 148,482
Term of patent 3½ years
(Cl. D33—3)



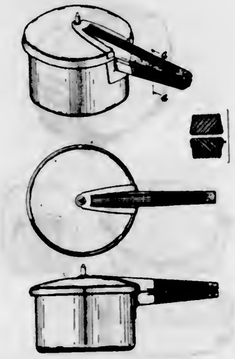
The ornamental design for a wall bracket, substantially as shown.

157,001
CORNCOB HOLDER
Jean O. Reinecke, Chicago, Ill.
Application October 28, 1948, Serial No. 149,355
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a corncob holder, as shown.

157,002
PRESSURE COOKER
Frederick Sayers, Fort Atkinson, and Clifford B. Stevens, Milwaukee, Wis., assignors to Moe Brothers Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application December 9, 1947, Serial No. 143,054
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a pressure cooker, as shown.

157,003
STOCKING
Richard Ernst Schletter, Oak Lane, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application May 7, 1949, Serial No. 2,525
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

157,004
STOCKING
Richard Ernst Schletter, Oak Lane, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application June 15, 1949, Serial No. 3,294
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

157,005
STOCKING
Richard Ernst Schletter, Oak Lane, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application June 15, 1949, Serial No. 3,295
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

157,006
STOCKING
Edwin Louis Schubert, Philadelphia, Pa.
Application March 31, 1949, Serial No. 1,739
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

157,007
STOCKING
Edwin Louis Schubert, Philadelphia, Pa.
Application March 31, 1949, Serial No. 1,740
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking as shown.

157,008
STRAPLESS SLIP
Charles Schuster, Philadelphia, Pa.
Application August 28, 1948, Serial No. 148,350
Term of patent 7 years
(Cl. D3—26)



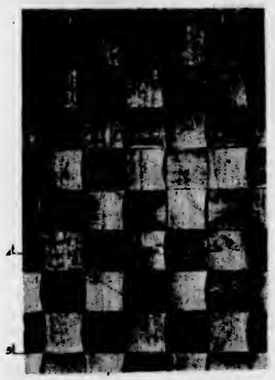
The ornamental design for a strapless slip, substantially as shown.

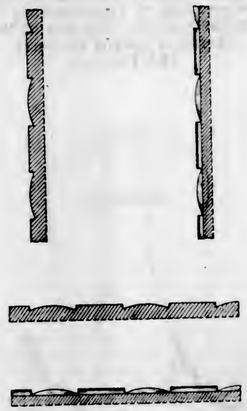
157,009
DISPLAY CARD OR THE LIKE
Jack Silson, New York, N. Y.
Application September 10, 1948, Serial No. 148,543
Term of patent 3½ years
(Cl. D80—5)



The ornamental design for a display card or the like substantially as shown.

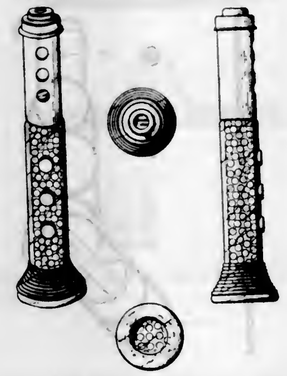
157,010
PANEL
Percy Solotoy, Los Angeles, Calif.
Application July 5, 1946, Serial No. 131,329
Term of patent 14 years
(Cl. D33—1)





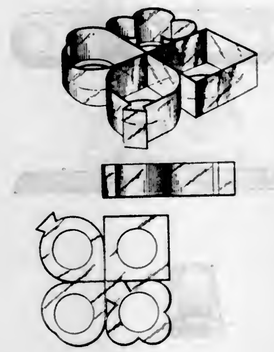
The ornamental design for a panel, as shown and described.

157,011
CANDY CONTAINING MUSICAL TOY
Turney H. Stough, Jeannette, Pa.
Application March 22, 1948, Serial No. 145,268
Term of patent 3½ years
(Cl. D34—15)



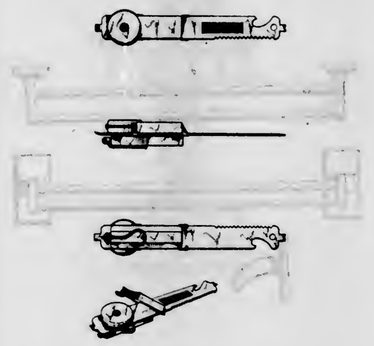
The ornamental design for a candy containing musical toy, as shown.

157,012
FOOD CUTTER
Hazel B. Towler, El Segundo, Calif.
Application January 18, 1949, Serial No. 284
Term of patent 14 years
(Cl. D44—20)



The ornamental design for a food cutter, substantially as shown.

157,013
FISHERMAN'S UTILITY TOOL
William A. Utts, Fort Worth, Tex.
Application March 14, 1949, Serial No. 1,380
Term of patent 14 years
(Cl. D31—4)



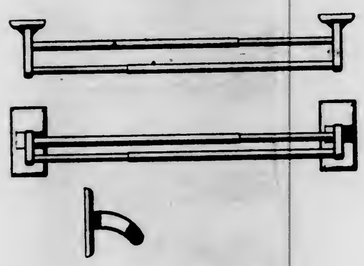
The ornamental design for a fisherman's utility tool, substantially as shown.

157,014
RADIANT HEATING PANEL FOR WALL MOUNTING
George W. Walker, Pleasant Ridge, Mich., assignor to Continental Radiant Glass Heating Corporation, New York, N. Y., a corporation of Michigan
Application November 1, 1948, Serial No. 149,427
Term of patent 14 years
(Cl. D81—10)



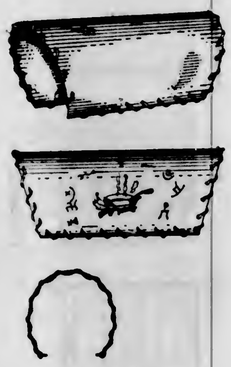
The ornamental design for a radiant heating panel for wall mounting, as shown.

157,015
TOWEL RACK
Earl A. Wheeler, Bakersfield, Calif.; Gertrude Lee Wheeler administratrix of said Earl A. Wheeler, deceased
Application June 8, 1948, Serial No. 146,821
Term of patent 14 years
(Cl. D33—16)



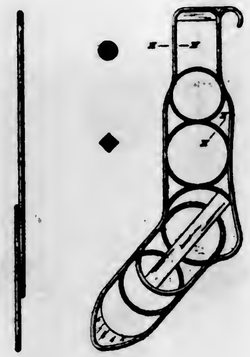
The ornamental design for a towel rack, as shown.

157,016
LAMP SHADE
Evelyn T. Whitmer, Phoenix, Ariz.
Application April 15, 1949, Serial No. 2,034
Term of patent 14 years
(Cl. D48—16)



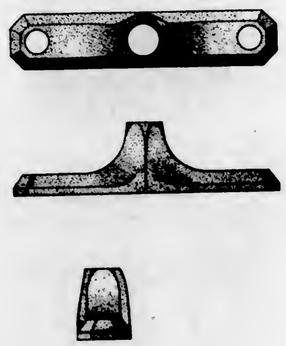
The ornamental design for a lamp shade, as shown.

157,017
STOCKING STRETCHER
Russell J. Wolfe, Buffalo, N. Y.
Application May 6, 1947, Serial No. 138,857
Term of patent 14 years
(Cl. D49—1)



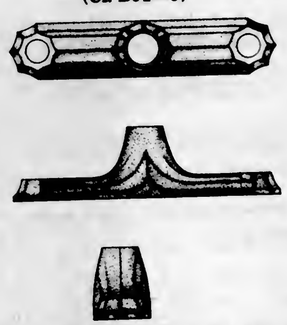
The ornamental design for a stocking stretcher, as shown.

157,018
SINK FAUCET SHELL
Stephen A. Young, Delphi, Ind.
Application November 17, 1948, Serial No. 149,684
Term of patent 14 years
(Cl. D91—3)



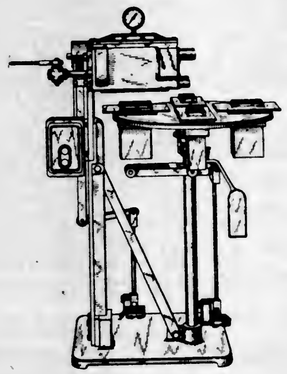
The ornamental design for a sink faucet shell, substantially as shown.

157,019
SINK FAUCET SHELL
Stephen A. Young, Delphi, Ind.
Application June 23, 1949, Serial No. 3,467
Term of patent 14 years
(Cl. D91—3)

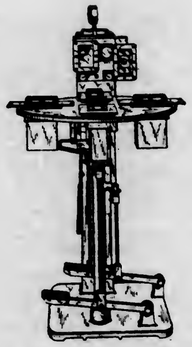


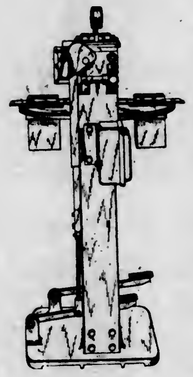
The ornamental design for a sink faucet shell, substantially as shown.

157,020
VACUUM PACKAGING MACHINE
Willy E. Zimmermann, Chicago, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application March 15, 1947, Serial No. 137,615
Term of patent 3½ years
(Cl. D55—1)



157,020—Continued



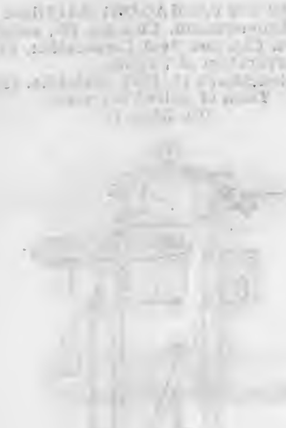


The ornamental design for a vacuum packaging machine, substantially as shown and described.









LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A. & M. Karagheusian, Inc., New York, N. Y. Carpets and textile rugs. Serial No. 542,952, Jan. 24. Class 42.

Abilene Alfalfa Sales Company, Abilene, Kans. Stock feed. Serial No. 568,990, Jan. 24. Class 46.

Adams, Frederick J., doing business as Adams Welding Service, Philadelphia, Pa. Combination surf-anglers' kit. Serial No. 571,835, Jan. 24. Class 22.

Adams Welding Service: *See*—
Adams, Frederick J.

Allcock, S., & Company Limited, Redditch, England. Fishing tackle and appliances. Serial No. 558,680, Jan. 24. Class 22.

All-Steel Equipment Inc., Aurora, Ill. Electrical boxes; concrete rings; etc. Serial No. 556,524, Jan. 24. Class 21.

Alpak, Los Angeles, Calif. Paperboard cartons. Serial No. 562,173, Jan. 24. Class 2.

Altman, B., & Co., New York, N. Y. Bathing suits, sweaters, suits and hats for children. Serial No. 568,920, Jan. 24. Class 39.

Altman, B., & Co., New York, N. Y. Typewriter ribbons. Serial No. 570,157, Jan. 24. Class 11.

American Book Company, New York, N. Y. Books. Serial No. 571,245, Jan. 24. Class 38.

American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Cabinet hardware. Serial No. 554,348, Jan. 24. Class 13.

American Chain & Cable Company, Inc., Bridgeport, Conn. Anti-skid chains for vehicle wheels. Serial No. 559,478, Jan. 24. Class 13.

American Hoist & Derrick Co., St. Paul, Minn. Winches. Serial No. 560,855, Jan. 24. Class 23.

Armour and Company, doing business as De Sota Creamery and Produce Co., Chicago, Ill. Fresh eggs. Serial No. 531,981, Jan. 24. Class 46.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 568,562, Jan. 24. Class 19.

Arnolt Corporation, Warsaw, Ind. Chromium plated metal tubular elements and assemblies thereof for furniture frames. Serial No. 566,446, Jan. 24. Class 32.

Asher & Boretz, Inc., New York, N. Y. Pyroxalin and rubber-coated cotton flannel fabrics in the piece. Serial No. 555,358, Jan. 24. Class 42.

Associated Merchandising Corporation, The, New York, N. Y. Clothes lines. Serial No. 577,358, Jan. 24. Class 7.

Bachmann Bros., Inc., Philadelphia, Pa. Toy construction sets. Serial No. 570,535, Jan. 24. Class 22.

Bantam-Lite, Inc., New York, N. Y. Plurality of related pictures. Serial No. 569,588, Jan. 24. Class 38.

Barber-Colman Company, Rockford, Ill. Thermostatically controlled motor operated valves. Serial No. 531,190, Jan. 24. Class 26.

Barrango, C., Co.: *See*—
Barrango, Carmen.

Barrango, Carmen, doing business as C. Barrango Co., San Francisco, Calif. Mannequins, and dress forms. Serial No. 550,381, Jan. 24. Class 50.

Berry Brothers, Inc., Chicago, Ill., and Detroit, Mich. Wall finishes. Serial No. 557,993, Jan. 24. Class 16.

Berry's Electric Limited, London, England. Electric stoves, and artificial fireplaces and radiators. Serial No. 555,592, Jan. 24. Class 21.

Biddle Purchasing Co., New York, N. Y. Garage doors. Serial No. 556,172, Jan. 24. Class 12.

Bingham-Herbrand Corporation, The, Toledo and Fremont, Ohio. Wrenches. Serial No. 542,523, Jan. 24. Class 23.

Blake, Moffit & Towne, San Francisco, Calif. Paper bags. Serial No. 562,526, Jan. 24. Class 2.

Blake, Moffitt & Towne, San Francisco, Calif. Wrapping paper. Serial No. 563,391, Jan. 24. Class 37.

Blimp Shrimp Company, The: *See*—
Pratt, Will E.

Bradbury, Agnew & Company Limited, London, England. Printed periodical. Serial No. 559,676, Jan. 24. Class 38.

Bristol Laboratories Inc., New York, and Syracuse, N. Y. Penicillin compounds. Serial No. 544,957, Jan. 24. Class 18.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley finish in the nature of a lacquer, and thinner therefor; etc. Serial No. 556,556, Jan. 24. Class 16.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling ball bags. Serial No. 570,359, Jan. 24. Class 22.

Cambridge Rubber Company, The, Taneytown, Md., and Cambridge, Mass. Shoes, soles and heels. Serial No. 565,312, Jan. 24. Class 39.

Carbonell y Compania de Cordoba S. A., Cordoba, Spain. Olive oil. Serial No. 515,362, Jan. 24. Class 46.

Carey-Mcfall Company, Philadelphia, Pa. Key chain having an automatic key coupler as a part thereof. Serial No. 571,511, Jan. 24. Class 13.

Casco Products Corporation, Bridgeport, Conn. Automobile visors. Serial No. 572,412, Jan. 24. Class 19.

Celex Products Corp., Mamaroneck, N. Y. Women's raincoats. Serial No. 568,294, Jan. 24. Class 39.

Cellocraft Corporation, Chicago, Ill. Greeting cards. Serial No. 572,160, Jan. 24. Class 38.

Celotex Corporation, The, Chicago, Ill. Building siding panels. Serial No. 554,006, Jan. 24. Class 12.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Uncoated, coated, and cast-coated paper; uncoated, coated and cast-coated bristol boards, etc. Serial No. 527,239, Jan. 24. Class 37.

Church, C. F., Mfg. Co., Willimansett, Chicopee, Mass. Toilet seats. Serial No. 575,627, Jan. 24. Class 13.

Clark, J. R., Company, The, Spring Park, Minn. Ironing tables and ironing table pad and cover sets. Serial No. 563,238, Jan. 24. Class 24.

Clark, J. R., Company, The, Spring Park, Minn. Step ladders and step ladder stools. Serial No. 563,239, Jan. 24. Class 50.

Clark Metal Products, Inc., Fairfield, Conn. Metal coasters. Serial No. 571,633, Jan. 24. Class 2.

Clark, W. H., Fruit Company, Jacksonville, Fla. Fresh citrus fruits. Serial No. 534,604, Jan. 24. Class 46.

Cleveland Heater Company, The, Cleveland, Ohio. Metal alloys. Serial No. 502,947, Jan. 24. Class 14.

Cohn-Goldwater Manufacturing Company, Los Angeles, Calif. Men's jeans, and shirts, and women's jeans, slacks, pedal pushers, etc. Serial No. 569,814, Jan. 24. Class 39.

Collins Radio Company, Cedar Rapids, Iowa. Radio transmitters, and component parts thereof. Serial No. 571,513, Jan. 24. Class 21.

Colo-Flavor Products, Inc., Palisade, Colo. Canned peaches. Serial No. 529,745, Jan. 24. Class 46.

Colonial Mfg. Co., Inc., New York, N. Y. Jewelry. Serial No. 561,658, Jan. 24. Class 28.

Conlon-Moore Corporation, Chicago, Ill. Laundry washing machines and laundry ironing machines. Serial No. 528,193, Jan. 24. Class 24.

Continental Motors Corporation, Detroit and Muskegon, Mich. Internal combustion engines, clutches, and their parts. Serial No. 569,815, Jan. 24. Class 23.

Cordell Hosiery Corporation, Greensboro, N. C. Hosiery. Serial No. 568,242, Jan. 24. Class 39.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical capacitors. Serial No. 554,772, Jan. 24. Class 21.

Craftplans: *See*—
Mix, Floyd M.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat cereal food. Serial No. 568,779, Jan. 24. Class 46.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, dresses and jacket ensembles, etc. Serial No. 565,317, Jan. 24. Class 39.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, dresses and jacket ensembles, etc. Serial No. 565,321, Jan. 24. Class 39.

Cushman Motors Works, Lincoln, Nebr. Electrical lighting system. Serial No. 569,676, Jan. 24. Class 21.

Dane, Richard, Inc., New York, N. Y. Baby pants. Serial No. 566,123, Jan. 24. Class 39.

Denison Mattress Factory, Denison, Tex. Domestic and commercial-type awnings. Serial No. 548,808, Jan. 24. Class 12.

De Sota Creamery and Produce Co.: *See*—
Armour and Company.

Dettra Flag Company, Inc., Oaks, Pa. Flags. Serial No. 573,475, Jan. 24. Class 50.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Files and rasps. Serial No. 545,460, Jan. 24. Class 23.

Dold Packing Corporation, Buffalo and New York, N. Y. Dried beef, canned luncheon meat, fresh eggs, etc. Serial No. 551,623, Jan. 24. Class 46.

Dormitzer Electric & Manufacturing Corporation, Boston, Mass. Photographic apparatus. Serial No. 557,026, Jan. 24. Class 26.

Doubleday & Company, Inc., Garden City, N. Y. Books. Serial No. 572,555, Jan. 24. Class 38.

Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplanes and structural parts thereof. Serial No. 528,912, Jan. 24. Class 19.

Douglass, S. L., Exeter, Calif. Fresh grapes. Serial No. 571,411, Jan. 24. Class 46.

Dream Craft Company, Bethlehem, Pa. Children's, men's, and women's pajamas, and sleeping garments. Serial No. 568,046, Jan. 24. Class 39.

Eagle Signal Corporation, Moline, Ill. Electric street and road traffic light signals, controllers, and timers therefor. Serial No. 565,249, Jan. 24. Class 21.

Electro-Connector Corporation, Philadelphia, Pa. Miniature vacuum tube sockets. Serial No. 552,130, Jan. 24. Class 21.

Elek-Trem of Boston, Boston, Mass. Electric speaker for use wtih electric organs. Serial No. 572,244, Jan. 24. Class 21.

Empire State Canning Co., Rome, N. Y. Canned vegetables. Serial No. 552,577, Jan. 24. Class 46.

Eskimo Pie Corporation, Bloomfield, N. J. Chocolate coating preparations. Serial No. 552,135, Jan. 24. Class 46.

Fairbend, Richard, & Sons, Inc., Lynn, Mass. Shoes. Serial No. 553,093, Jan. 24. Class 39.

Famous-Sternberg, Inc., New Orleans, La. Men's and students' pants. Serial No. 566,220, Jan. 24. Class 39.

Federated Department Stores, Inc.: *See*—
Lazarus, F. & R., & Company.

Fight Stories, Inc., New York, N. Y. Magazine. Serial No. 571,417, Jan. 24. Class 38.

Food Products Company of America, Chicago, Ill. Margarine. Serial No. 567,768, Jan. 24. Class 46.

Ford Motor Company, Dearborn, Mich. Motor cars. Serial No. 511,322, Jan. 24. Class 19.

Foreman Manufacturing Company, Chicago, Ill. Vehicle utility trailers. Serial No. 514,022, Jan. 24. Class 19.

Fountain Die Cutting Company, New York, N. Y. Chess game. Serial No. 555,258, Jan. 24. Class 22.

Freeman, Louis G., Company, The, Cincinnati, Ohio. Shoe machinery parts and supplies. Serial No. 548,662, Jan. 24. Class 23.

Gamble-Skogmo, Inc., Minneapolis, Minn. Felt base floor covering. Serial No. 562,846, Jan. 24. Class 20.

Garden City Publishing Company, Inc., Garden City, N. Y. Books. Serial No. 571,963, Jan. 24. Class 38.

Garden Grove Citrus Association, Garden Grove, Calif. Fresh citrus fruits. Serial No. 555,809, Jan. 24. Class 46.

Gaylord Container Corporation, St. Louis, Mo. Paper bags and sacks; containers of all kinds. Serial No. 564,565, Jan. 24. Class 2.

General Box Company, Chicago, Ill. Pallet boxes. Serial No. 563,324, Jan. 24. Class 2.

General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial No. 555,884, Jan. 24. Class 12.

Gibson, A. C., Co. Inc., Buffalo, N. Y. Marking devices and accessories therefor. Serial No. 568,725, Jan. 24. Class 11.

Gimbal Brothers, San Francisco, Calif. Candies. Serial No. 552,585, Jan. 24. Class 46.

Glostex Products, Inc., Chicago, Ill. Automobile seat covers. Serial No. 572,736, Jan. 24. Class 19.

Gottfried Company, The, Cleveland, Ohio. Dresses. Serial No. 563,735, Jan. 24. Class 39.

Great Lakes Carbon Corporation, New York, N. Y. Articles and products for electrical purposes. Serial No. 571,724, Jan. 24. Class 21.

Greensboro Overall Company, Inc., Greensboro, N. C. Men's and boys' overalls, jackets, and dungarees. Serial Nos. 568,248–9, Jan. 24. Class 39.

Gum Products, Inc., also doing business as Medicated Gum Company, Boston, Mass. Chewing gum. Serial No. 558,487, Jan. 24. Class 46.

Gwaltney, F. D., Jr., & Co., Inc., Smithfield, Va. Sliced, smoked bacon. Serial No. 569,452, Jan. 24. Class 46.

HPL Manufacturing Company, Cleveland, Ohio. Custom-made metal stampings. Serial No. 544,997, Jan. 24. Class 14.

Haase, Wilbert W., Co., Forest Park, Ill. Burial vaults. Serial No. 563,115, Jan. 24. Class 2.

Haberman, Wm., Corporation, New York, N. Y. Shirts, collars, hosiery, etc., for the use of men. Serial No. 543,811, Jan. 24. Class 39.

Hammel, Riglander & Co. Inc., New York, N. Y. Pliers and tweezers. Serial No. 547,344, Jan. 24. Class 23.

Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycles and frame and fork parts. Serial No. 572,897, Jan. 24. Class 19.

Harlis Inc., Miami, Fla. Toys. Serial No. 564,622, Jan. 24. Class 22.

Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' coats. Serial No. 566,402, Jan. 24. Class 39.

Heintz, James C., & Company, Inc., Cleveland, Ohio. Tire retreading mold. Serial No. 562,707, Jan. 24. Class 23.

Heller Brothers Company, Newark, N. J. Files, rasps, hammers, etc. Serial No. 569,518, Jan. 24. Class 23.

Hemet Packing Corporation, Hemet, Calif. Canned fruits. Serial No. 554,979, Jan. 24. Class 46.

Heurich, Chr., Brewing Co., Washington, D. C. Beer. Serial No. 563,182, Jan. 24. Class 48.

Heywood-Wakefield Company, Gardner, Mass. Baby carriages and strollers and transportation seating. Serial No. 558,719, Jan. 24. Class 19.

Holly Hill Fruit Products, Incorporated, Davenport, Fla. Fresh and canned citrus fruits, canned citrus fruit juices, and citrus fruit jellies, etc. Serial No. 525,487, Jan. 24. Class 46.

Horton Manufacturing Company, Fort Wayne, Ind. Maintaining by adjustment and checking, and for repairing of washing machines, etc. Serial No. 545,480, Jan. 24. Class 103.

Howe Folding Furniture, Inc., New York, N. Y. Furniture. Serial No. 552,658, Jan. 24. Class 32.

Indus Corporation, Indianapolis, Ind. Evaporative acting self-cooling fishing bait containers. Serial No. 577,388, Jan. 24. Class 22.

Informax Enterprises, Stamford, Conn. Manipulative chart. Serial No. 560,272, Jan. 24. Class 26.

Innes, Bert, Merced, Calif. Figs. Serial No. 561,072, Jan. 24. Class 46.

Jel Sert Company, The, Chicago, Ill. Powder concentrate. Serial No. 571,905, Jan. 24. Class 46.

Kemler, Mathew, Medford, Mass. Infants', children's, women's, and misses' shoes. Serial No. 566,083, Jan. 24. Class 39.

Kendall Company, The, Walpole, Mass. Window curtains. Serial No. 551,639, Jan. 24. Class 42.

Kestral Corporation, Springfield, Mass. Inflatable figure toys. Serial No. 570,497, Jan. 24. Class 22.

Kestral Corporation, Springfield, Mass. Inflatable surfsled or mattresses. Serial No. 570,498, Jan. 24. Class 22.

Keystone Plastic Products Company, Harrisburg, Pa. Baby bibs. Serial No. 566,084, Jan. 24. Class 39.

Kleinert, I. B., Rubber Co., New York, N. Y. Shower curtains. Serial No. 577,390, Jan. 24. Class 42.

Kordite Corporation, Victor, N. Y. Plastic coated clothesline. Serial No. 576,498, Jan. 24. Class 7.

Lake Union Sales Company, Seattle, Wash. Automatic sprinkling systems. Serial No. 538,296, Jan. 24. Class 13.

Lamson Corporation, Syracuse, N. Y. House organ. Serial No. 564,819, Jan. 24. Class 38.

Lavish Mactavish Packing Co., San Francisco, Calif. Candy. Serial No. 569,527, Jan. 24. Class 46.

Lazarus, F. & R., & Company, The, Columbus, assignor to Federated Department Stores, Inc., Cincinnati, Ohio. Boys' sport coats, leisure coats, topcoats, overcoats, etc. Serial No. 549,427, Jan. 24. Class 39.

Les Parfums de Dana, Inc., New York, N. Y. Compacts and lipstick holders. Serial No. 569,866, Jan. 24. Class 2.

Linn Company: *See*—
Linn, Frank F.

Linn, Frank F., doing business under the name and style of the Linn Company, Oakland, Calif., assignor to Linn Company. Axles for wheeled trailers. Serial No. 499,905, Jan. 24. Class 19.

Literary Guild of America, Inc., The, Garden City, N. Y. Monthly periodical. Serial No. 572,505, Jan. 24. Class 38.

Lobue Bros., Lindsay, Calif. Fresh citrus fruits. Serial No. 506,328, Jan. 24. Class 46.

Lowna Products: *See*—
Yorke, Edward T.

Lucas Screw Products, Inc., Rochester, N. Y. Light portable hand pumps. Serial No. 561,634, Jan. 24. Class 23.

M. & M. Knitting Mills, Philadelphia, Pa. Men's, women's, and children's knitted sweaters, polo shirts, knitted bathing suits, etc. Serial No. 560,822, Jan. 24. Class 39.

Magnetic Corporation of America, Chicago, Ill. Apparatus for electrical recording or reproducing sound or other signals upon wire. Serial No. 567,868, Jan. 24. Class 21.

Maltine Company, The, Morris Plains, N. J. Product for use in roentgenological visualization of the gastro-intestinal tract. Serial No. 572,108, Jan. 24. Class 18.

Manahan Moth Paper Company, Brooklyn and New York, N. Y. Tar paper. Serial No. 563,749, Jan. 24. Class 37.

Manchester, Henry H., doing business under the firm name and style of Southern Sales Service, San Diego, Calif. Pneumatic abrasive spark plug cleaners. Serial No. 506,459, Jan. 24. Class 23.

Manley, Inc., Kansas City, Mo. Popcorn. Serial No. 569,387, Jan. 24. Class 46.

Marder, B. L., Co., Chicago, Ill. Heel plates, toe plates, heel braces, V plates. Serial No. 534,163, Jan. 24. Class 13.

Marks and Spencer Limited, London, England. Hosiery and underwear for men, women, children, and infants; men's and boys' cardigans, pullovers, etc. Serial No. 545,748, Jan. 24. Class 39.

Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. Serial No. 558,046, Jan. 24. Class 23.

Marrus, Isaac I., New York, N. Y. Handkerchiefs. Serial No. 559,435, Jan. 24. Class 39.

Martin & Edwards, Inc., Hewlett, N. Y. Laxatives. Serial No. 519,589, Jan. 24. Class 18.

Mason City Brick & Tile Company, Mason City, Iowa. Cement mortar. Serial No. 564,057, Jan. 24. Class 12.

Massad, Philip M., doing business as P. M. Manufacturing Co., Worcester, Mass. Girdles, corsets, and brassières. Serial No. 563,862, Jan. 24. Class 39.

Maus, Geo. H., Inc., Amsterdam, N. Y. Bamboo fishing poles, bamboo vaulting poles, and bamboo ski poles. Serial No. 569,873, Jan. 24. Class 22.

McDonnell Aircraft Corporation, Lambert Field, St. Louis, Mo. Airplanes. Serial No. 575,418, Jan. 24. Class 19.

McLanathan, F. W., & Son, Inc., Lawrence, Mass. Belting for power transmissions. Serial No. 493,874, Jan. 24. Class 35.

McNamara, John C., New Orleans, La. Cream for the treatment of simple affections of the cutaneous surfaces. Serial No. 572,109, Jan. 24. Class 18.

McVitie and Price Limited, Edinburgh, Scotland. Cakes, biscuits, bread, etc. Serial No. 564,140, Jan. 24. Class 46.

McVitie and Price Limited, Edinburgh, Scotland. Biscuits, cakes, bread, etc. Serial No. 564,141, Jan. 24. Class 46.

Medicated Gum Company: *See*—
Gum Products, Inc.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 507,480, Jan. 24. Class 28.

Micro Library Incorporated, The, La Crosse, Wis. Publications in card form. Serial No. 543,825, Jan. 24. Class 38.

Middishade Company, Inc., The, Philadelphia, Pa. Men's and young men's suits, coats, vests, and trousers, etc. Serial No. 553,502, Jan. 24. Class 39.

Miles Laboratories, Inc., Elkhart, Ind. Topical germicide. Serial No. 570,426, Jan. 24. Class 18.

Miles Laboratories, Inc., Elkhart, Ind. Effervescent mouthwash. Serial No. 570,427, Jan. 24. Class 51.

Miley, L. J., Company, Chicago, Ill. Brake relining machines. Serial No. 567,527, Jan. 24. Class 23.

Milwaukee International, Inc., Milwaukee, Wis. Wheel and tire balancing machines. Serial No. 529,913, Jan. 24. Class 26.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Fiber composition board. Serial No. 571,345, Jan. 24. Class 12.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Coated fiber composition board. Serial No. 571,348, Jan. 24. Class 12.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas and canned corn. Serial No. 545,752, Jan. 24. Class 46.

Mix, Floyd M., doing business as Craftplans, Kansas City, Mo. Designs. Serial No. 569,210, Jan. 24. Class 38.

Monarch Aluminum Mfg. Company, Cleveland, Ohio. Zinc and aluminum castings. Serial No. 573,960, Jan. 24. Class 14.

Mutual Buying Syndicate, Inc., New York, N. Y. Non-electrical carpet sweepers. Serial No. 568,392, Jan. 24. Class 23.

Naert, Abel F. J., Brussels, Belgium. Cameras and accessories therefor. Serial No. 543,211, Jan. 24. Class 26.

National Cash Register Company, The, Dayton, Ohio. Repair and maintenance of cash registers; credit registers; etc. Serial No. 572,862, Jan. 24. Class 103.

National Marking Machine Company, The, Cincinnati, Ohio. Marking ink. Serial No. 572,111, Jan. 24. Class 11.

National Textile & Chemical Laboratory, Illiopolis, Ill. Laundry starch. Serial No. 564,956, Jan. 24. Class 6.

Natural Products Co., Inc., Sheboygan, Wis. Floor coverings. Serial No. 569,881, Jan. 24. Class 20.

Newburger, Samuel, Chicago, Ill. Electric popcorn warming and dispensing machines. Serial No. 568,324, Jan. 24. Class 23.

New Electric Razor Corporation, Baltimore, Md. Electric shavers. Serial No. 570,315, Jan. 24. Class 23.

Nova Chemical Corporation, New York, N. Y. Dyestuffs and other coloring matters, etc. Serial No. 572,113, Jan. 24. Class 6.

O'Donnell Shoe Corporation, Humboldt, Tenn. Juvenile shoes. Serial No. 565,198, Jan. 24. Class 39.

Oil Base, Inc., Compton, Calif. Oil well drilling fluid. Serial No. 555,834, Jan. 24. Class 12.

P. M. Manufacturing Co.: *See*—
Massad, Philip M.

Packard Motor Car Company, Detroit, Mich. Service, maintenance, and repair of automobiles, etc. Serial No. 534,466, Jan. 24. Class 103.

Paul, Carl Wm., doing business as Paul Products Co., New York, N. Y. Fur scarves display fixtures. Serial No. 569,392, Jan. 24. Class 32.

Paul Products Co.: *See*—
Paul, Carl Wm.

Paula's Celebrated Lebkuchen, New York, N. Y. "Lebkuchen," a bakery product. Serial No. 567,797, Jan. 24. Class 46.

Pearl-Wick Corporation, Long Island City, N. Y. Serving stand. Serial No. 558,924, Jan. 24. Class 32.

Peek Bros. and Superior Flour Company: *See*—
Peek, Robert M.

Peek, Robert M., doing business as Peek Bros. and Superior Flour Company, Little Rock, Ark. Wheat flour. Serial No. 555,073, Jan. 24. Class 46.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Men's, women's, and children's waistband overalls. Serial No. 568,209, Jan. 24. Class 39.

Phifer, Luna E., doing business under the name of Whirling Dervish Bait Co., Oklahoma City, Okla. Artificial fish lures. Serial No. 570,063, Jan. 24. Class 22.

Philadelphia Brief Case Co., Philadelphia, Pa. Handles for luggage. Serial No. 568,271, Jan. 24. Class 3.

Photographers National Clearing House, New York, N. Y. Catalogs of photographs. Serial No. 555,765, Jan. 24. Class 38.

Powers & Pittenger, Indianapolis, Ind. Mattresses, box springs, pillows, and couches. Serial No. 569,395, Jan. 24. Class 32.

Pratt, Will E., doing business as The Blimp Shrimp Company, National City, Calif. Fried shrimp. Serial No. 516,092, Jan. 24. Class 46.

Precision Scientific Company, Chicago, Ill. Incubators for laboratory use. Serial No. 571,459, Jan. 24. Class 26.

Precision Steel Warehouse Incorporated, Chicago, Ill. High carbon spring steel music wire. Serial No. 571,574, Jan. 24. Class 14.

Pyle-National Company, The, Chicago, Ill. Electrical gyrating type warning lights. Serial No. 558,926, Jan. 24. Class 21.

Quaker Oats Company, The, Chicago, Ill. Stock feed. Serial No. 559,050, Jan. 24. Class 46.

Quaker Oats Company, The, Chicago, Ill. Poultry feeds. Serial No. 659,051, Jan. 24. Class 46.

Radel, Andrew, Oyster Company, The, South Norwalk, Conn. Oysters in the shell. Serial No. 540,753, Jan. 24. Class 46.

Ralston Purina Company, St. Louis, Mo. Fresh eggs. Serial No. 553,518, Jan. 24. Class 46.

Rasmussen Manufacturing Company, Hollydale, Calif. Cylinder sleeves. Serial No. 547,365, Jan. 24. Class 23.

Reliance Electric & Engineering Company, The, Cleveland, Ohio. Direct and alternating current electric motors. Serial No. 570,634, Jan. 24. Class 21.

Relief Printing Corporation, Boston, Mass. Printed business and personal cards, and carrying case therefor. Serial No. 570,379, Jan. 24. Class 38.

Richards-Wilcox Manufacturing Company, Aurora, Ill. Metal tracks and track brackets for sliding doors. Serial No. 528,309, Jan. 24. Class 13.

Roebling's, John A., Sons Company, Trenton, N. J. Electrical wire and cable. Serial No. 546,611, Jan. 24. Class 21.

Rosemarie de Paris, Inc., New York, N. Y. Candy. Serial No. 510,357, Jan. 24. Class 46.

Royce Chemical Company, Carlton Hill, N. J. Processing fluids. Serial No. 529,932, Jan. 24. Class 6.

Rudolph, C. B., Inc., Philadelphia, Pa. Mailing envelopes. Serial No. 564,584, Jan. 24. Class 37.

Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Steel plates and sheets, iron and steel, metal bars and billets, etc. Serial No. 564,906, Jan. 24. Class 14.

St. Regis Paper Company, New York, N. Y. Strips, baffles, door panels, liners, and frames for use in refrigerating devices, etc. Serial No. 524,626, Jan. 24. Class 31.

St. Regis Paper Company, New York, N. Y. Machines for manufacturing and for filling paper bags. Serial No. 533,639, Jan. 24. Class 23.

Schmidt & Ault Paper Co., York, Pa. Paper saturated with tar and used for roofing and insulation purposes, etc. Serial No. 545,539, Jan. 24. Class 12.

Schuls, James, New York, N. Y. Watches. Serial No. 573,902, Jan. 24. Class 27.

Scully Rubber Manufacturing Co., Baltimore, Md. Flush tank balls. Serial No. 569,894, Jan. 24. Class 13.

Sears, Roebuck and Co., Chicago, Ill. Men's wearing apparel. Serial No. 550,093, Jan. 24. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Paint brushes, sash brushes, painters' dusters, etc. Serial No. 550,100, Jan. 24. Class 29.

Sears, Roebuck and Co., Chicago, Ill. Automobile supplies—namely, dust cloths and bender brushes. Serial No. 558,756, Jan. 24. Class 29.

Setrakians & Company, Fresno, Calif. Fresh deciduous fruits and fresh grapes. Serial No. 519,103, Jan. 24. Class 46.

Sexauer, J. A., Mfg. Co. Inc., New York, N. Y. Rubber, leather, fiber and all non-metallic washers; gaskets; rubber ball cock cushions; etc. Serial No. 545,286, Jan. 24. Class 35.

Siegfried, H., & Sons, Inc., St. Louis, Mo. Men's trousers and slacks. Serial No. 565,819, Jan. 24. Class 39.

Sitroux Incorporated, New York, N. Y. Facial tissues. Serial No. 565,730, Jan. 24. Class 37.

6-O'Clock Foods, Inc., Norristown, Pa., and New York, N. Y. Corn muffin mix, vanilla pudding, chocolate pudding, etc. Serial No. 548,192, Jan. 24. Class 46.

Smith, A. O., Corporation, Milwaukee, Wis. Silos. Serial No. 514,725, Jan. 24. Class 2.

Smith, D. B., & Company, Inc., Utica, N. Y. Hand and power operated sprayers, spray pumps, and compressed air sprayers. Serial No. 568,122, Jan. 24. Class 23.

Smith, H. P., Paper Company, Chicago, Ill. Polyethylene coated paper and paperboard. Serial No. 569,378, Jan. 24. Class 37.

Smith, Joe L., Jr., Charleston, assignor to Joe L. Smith, Jr., Inc., Beckley, W. Va. Radio program broadcasting. Serial No. 539,448, Jan. 24. Class 104.

Smith, Joe L., Jr., Inc.: *See*—
Smith, Joe L., Jr.

Snyder Manufacturing Company, Philadelphia, Pa. Automobile engine exhaust pipe extensions. Serial No. 541,974, Jan. 24. Class 23.

Southern Sales Service: *See*—
Manchester, Henry H.

Springfield Grocer Company, Springfield, Mo. Canned fruit juices, cranberry sauce, vegetables, etc. Serial No. 537,091, Jan. 24. Class 46.

Standard Greetings, Inc., Holyoke, Mass. Box assortment of greeting cards. Serial No. 572,134, Jan. 24. Class 38.

Standard Phono Corporation, New York, N. Y. Mechanically grooved phonograph records. Serial No. 534,830, Jan. 24. Class 36.

Sta-Rite Ginnie-Lou, Inc., Shelbyville, Ill. Hair pins and bobby pins. Serial No. 576,645, Jan. 24. Class 40.
Steele, J. W., & Co., North Kansas City, Mo. Garment accessories. Serial No. 571,750, Jan. 24. Class 37.
Stow Manufacturing Co., Binghamton, N. Y. Drain-pipe cleaning tool. Serial No. 564,913, Jan. 24. Class 23.
Strand Building Products Company, Detroit, Mich. Garage doors. Serial No. 570,448, Jan. 24. Class 12.
Strawbridge & Clothier, Philadelphia, Pa. Electric lamps. Serial No. 539,229, Jan. 24. Class 21.
Street & Smith Publications, Inc., New York, N. Y. Column in a periodical publication. Serial No. 570,332, Jan. 24. Class 38.
Sullivan, R. G., Incorporated, Manchester, N. H. Cigars. Serial No 559,105, Jan. 24. Class 17.
Swingle, Leonhardt, doing business as Valley Date Gardens, Indio, Calif. Fresh dates. Serial No. 589,909, Jan. 24. Class 46.
Telecast Films, Inc., New York, N. Y. Renting of motion picture films to television broadcasting stations. Serial No. 567,664, Jan. 24. Class 107.
Tingatol Corporation, Chicago, Ill. Flexible plastic case for holding pencils, erasers and rulers. Serial No. 568,469, Jan. 24. Class 37.
Treasure Cave, Fairbault, Minn. Cheese. Serial No. 532,765, Jan. 24. Class 46.
Tri-Clover Machine Co., Kenosha, Wis. Non-measuring rotary liquid pumps, saw vises, tube facers, etc. Serial No. 549,299, Jan. 24. Class 23.
Trommer, John F., Inc., Brooklyn, N. Y. Beer. Serial No. 555,868, Jan 24. Class 48.
Tropical Paint & Oil Company, The, Cleveland, Ohio. Paint enamel. Serial No. 572,607, Jan. 24. Class 16.
United Laboratories Co., Linden, N. J. Buffing and polishing compound. Serial No. 568,814, Jan. 24. Class 4.
United Merchants and Manufacturers, Inc., Wilmington, Del., and New York, N. Y. Resinous impregnating agents. Serial No. 570,525, Jan. 24. Class 6.
United States Gypsum Company, Chicago, Ill. Gauging plaster. Serial No. 551,922, Jan. 24. Class 12.
Universal Mills, Fort Worth, Tex. Wheat flour and corn meal. Serial No. 571,766, Jan. 24. Class 46.
Valley Date Gardens: *See*—
Swingle, Leonhardt.
Van Holland Chocolate Corporation, New York, N. Y. Candy. Serial No. 570,283, Jan. 24. Class 46.
Velsor-Wright Co., Inc., New York, N. Y. Proprietary preparation. Serial No. 568,554, Jan. 24. Class 18.
Victor Vending Corporation, Chicago, Ill. Coin controlled vending machines. Serial No. 561,596, Jan. 24. Class 23.
Wagner, August, Breweries, Inc., Columbus, Ohio. Beer. Serial No. 527,740, Jan. 24. Class 48.
Wall Rogalsky Milling Company, The, McPherson, Kans. Wheat flour. Serial No. 570,452, Jan. 24. Class 46.
Wallich, Fred R., doing business as Wallich Laboratories, Los Angeles, Calif. Surgical bandages. Serial No. 503,235, Jan. 24. Class 44.
Wallich Laboratories: *See*—
Wallich, Fred R.
Warner Company, Philadelphia, Pa. Hydrated lime. Serial No. 559,562, Jan. 24. Class 12.
Wearpruf Corporation, San Francisco, Calif. Ladies' and misses' slips. Serial No. 560,240, Jan. 24. Class 39.
Welsh Co., St. Louis, Mo. Baby swings. Serial No. 577,294, Jan. 24. Class 22.
West Disinfecting Company, Long Island City, N. Y. Paper towel cabinets. Serial No. 555,579, Jan. 24. Class 2.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,023, Jan. 24. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,064, Jan. 24. Class 37.
Westfield Manufacturing Company, The, Westfield, Mass. Bicycle frames. Serial No. 575,507, Jan. 24. Class 19.
West Penn Mirror, Inc., Philadelphia, Pa. Wall mirrors, and mirrors used in connection with furniture. Serial No. 565,668, Jan 24. Class 32.
Whirling Dervish Bait Co.: *See*—
Phifer Lunn E.
Whitney Blake Company, The, Hamden, Conn. Insulated electric wire. Serial No. 554,279, Jan. 24. Class 21.
Whittaker, Clark & Daniels, Inc., New York, N. Y. Pigments, dyes and chemicals. Serial No. 557,486, Jan. 24. Class 6.
Wholesale Grocers Exchange, Inc., Richmond, Va. Canned peaches, canned vegetables, coffee, etc. Serial No. 549,486, Jan 24. Class 46.
Williams, Dwight S., Company, Inc., New York, N. Y. Socks for men. Serial No. 568,536, Jan. 24. Class 39.
Wilson Brothers, Chicago, Ill. Neck bands of shirts. Serial No. 549,998, Jan. 24. Class 39.
Wiskit Racket Company, Seattle, Wash. Game racket. Serial No. 576,603, Jan. 24. Class 22.
Wolf Brothers, Philadelphia, Pa. Window envelopes. Serial No. 558,430, Jan. 24. Class 37.
Wortendyke Manufacturing Company, Richmond, Va. Paper bags. Serial No. 547,501, Jan. 24. Class 2.
Wyler, Paul, New York, N. Y. Watches, cased and uncased, and watch repair parts. Serial No. 573,284, Jan. 24. Class 27.
Yorke, Edward T., doing business as Lowna Products, Linden, N. J. Bread. Serial No. 569,236, Jan. 24. Class 46.
Young, L. A., Spring & Wire Corporation, Detroit, Mich. Bed springs. Serial No. 563,516, Jan. 24. Class 32.
Z-V Sales Company, Chicago, Ill. Ferrous and nonferrous castings and forgings. Serial No. 575,106, Jan. 24. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

A P Parts Corporation, The: *See*—
Collins, Austin T.
Acme Fruit Company, New York, N. Y., and Fort Pierce, Fla., to J. V. D'Albora Company, Inc., Cocoa, Fla. Fruits in the natural state. 266,648, renewed Jan. 28, 1950. O. G. Jan. 24. Class 46.
Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany, to Y & Y Deodorizer Co., Philadelphia, Pa. Perfumes. 33,153, re-renewed June 27, 1949. O. G. Jan. 24. Class 51.
Allen, S. L., & Co., Inc., Philadelphia, Pa. Skis. 520,265, Jan. 24; Serial No. 562,230, published Oct. 18, 1949. Class 22.
Allied Raw Materials Company, Inc., New York, N. Y. Petroleum and mineral waxes; lubricating oil; cylinder oil, etc. 520,169, Jan. 24; Serial No. 544,022, published Oct. 18, 1949. Class 15.
Alta Winery & Distillery, Inc., to Brookside Distilling Products Corporation, Scranton, Pa. Brandy. 350,643, Oct. 5, 1937. New certificate. O. G. Jan. 24. Class 49.
Altman, B., & Co., New York, N. Y. Watches. 520,317, Jan. 24; Serial No. 574,563, published Oct. 25, 1949. Class 27.
American Bulb Growers of California, Inc., San Francisco, Calif. Lily bulbs. 520,189, Jan. 24; Serial No. 547,059, published Oct. 4, 1949. Class 1.
American Character Doll Co., New York, N. Y. Dolls. 520,257, Jan. 24; Serial No. 561,067, published Oct. 4, 1949. Class 22.
American Lumberman, Inc., Chicago, Ill. Weekly periodical publication. 520,336, Jan. 24; Serial No. 566,204. Class 38.
American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Corrugated ferrous metal head-walls, arches, etc. 520,130, Jan. 24; Serial No. 527,732, published Oct. 18, 1949. Class 12.
American Waltham Watch Company, Waltham and Boston, Mass., and New York, N. Y., to Waltham Watch Company, Waltham, Mass. Watches, watch-movements, and parts of watches. 33,231–3, re-renewed July 18, 1949. O. G. Jan. 24. Class 27.
American Waltham Watch Company, Waltham and Boston, Mass., and New York, N. Y., to Waltham Watch Company, Waltham, Mass. Watches, watch-movements, and parts of watches. 33,235, re-renewed July 18, 1949. O. G. Jan. 24. Class 27.
Amstel, Felix, doing business as Amstel Trading Co., New York, N. Y. Watches. 520,287, Jan. 24; Serial No. 571,699, published Oct. 25, 1949. Class 27.
Amstel Trading Co.: *See*—
Amstel, Felix.
Anchor Post Fence Company, now by change of name Anchor Post Products, Inc., by Anchor Post Products, Inc., Baltimore, Md. Metallic fencing. 443,393, Sept. 27, 1949. Republished Jan. 24. Class 13.
Anchor Post Products, Inc.: *See*—
Anchor Post Fence Company.
Arkwright, Incorporated, New York, N. Y. Outer shirts for men and boys. 520,269, Jan. 24; Serial No. 563,974, published Oct. 11, 1949. Class 39.
Armco Steel Corporation: *See*—
American Rolling Mill Company, The.
Arrow Armatures Company, doing business as Generators & Armatures Co., Boston, Mass. Armatures, generators, electric starters and field coils. 520,186, Jan. 24; Serial No. 547,687, published Oct. 4, 1949. Class 21.
Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 520,128, Jan. 24; Serial No. 526,577, published Oct. 4, 1949. Class 22.
Aubrey & Company, Louisville, Ky. Horse, poultry, dairy, and stock feeds. 264,615, renewed Nov. 26, 1949. O. G. Jan. 24. Class 46.
B. & P. Research & Sales Co.: *See*—
Boyse, Robert E.

B. V. D. Company, The, New York, N. Y., to The B. V. D. Corporation, New York, N. Y., and Baltimore, Md. Undershirts and underdrawers. 77,436, re-renewed Apr. 12, 1950. O. G. Jan. 24. Class 39.
B. V. D. Corporation, The: *See*—
B. V. D. Company, The.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 262,695, renewed Oct. 22, 1949. O. G. Jan. 24. Class 39.
Beck, Charles Allen, Pomona, Calif. Gasoline. 520,176, Jan. 24; Serial No. 545,071, published Oct. 4, 1949. Class 15.
Beckerman, M., & Sons, Inc., New York, N. Y. Shoes. 520,252, Jan. 24; Serial No. 560,529, published Oct. 4, 1949. Class 39.
Beckerman, M., & Sons, Inc., New York, N. Y. Shoes. 520,253, Jan. 24; Serial No. 560,531, published Oct. 4, 1949. Class 39.
Beenstock, Jack N., doing business as Standard Kiddies Sportswear, Brooklyn, N. Y. Children's snow suits. 520,326, Jan. 24; Serial No. 551,435. Class 39.
Benson & Hedges, New York, N. Y. Cigars. 443,231, Aug. 16, 1949. Republished Jan. 24. Class 17.
Bestway Company: *See*—
Tanner, Harold H.
Bevco Company, The, by The Bevco Company, Inc., St. Louis, Mo. Refrigerated display cabinets, frozen food cabinets, and refrigerated storage lockers. 443,369, Sept. 13, 1949. Republished Jan. 24. Class 31.
Bevco Company, Inc., The: *See*—
Bevco Company, The.
Blaw-Knox Company, Pittsburgh, Pa. Structural steel and metallic grating and flooring. 520,173, Jan. 24; Serial No. 544,672, published Oct. 18, 1949. Class 12.
Bohn Aluminum and Brass Corporation, Detroit, Mich. Bearings for machinery. 249,460, Nov. 13, 1928. Republished Jan. 24. Class 23.
Bomeisler, Alfred E.: *See*—
Imperial Metal Manufacturing Corporation.
Borden Company, The: *See*—
Borden's Condensed Milk Company.
Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y., to The Borden Company, New York, N. Y. Malted milk. 77,084, re-renewed Mar. 8, 1950. O. G. Jan. 24. Class 46.
Boyse, Robert E., doing business under the name and style B. & P. Research & Sales Co., Saginaw, Mich. Toilet seats. 520,263, Jan. 24; Serial No. 561,877, published Oct. 18, 1949. Class 13.
Breakstone & Co., Inc., Chicago, Ill. Gas to be used in making whipped cream. 436,733, Feb. 17, 1948. Republished Jan. 24. Class 6.
British Pens Limited, Smethwick, Birmingham, England. Pens of all descriptions. 263,912, renewed Nov. 12, 1949. O. G. Jan. 24. Class 37.
Brooks Shoe Mfg. Co.: *See*—
Brooks Shoe Manufacturing Company.
Brooks Shoe Manufacturing Company, also doing business as Brooks Shoe Mfg. Co., Philadelphia, Pa. Athletic shoes. 520,160, Jan. 24; Serial No. 542,437, published Oct. 4, 1939. Class 39.
Brookside Distilling Products Corporation: *See*—
Alta Winery & Distillery, Inc.
Bruner, S., Inc., New York, N. Y., assignor to E. Blancpain Fils, to Fabrique D'Horlogerie Rayville, S. A., Villeret, Switzerland. Watch movements. 253,391, renewed Feb. 26, 1949. O. G. Jan. 24. Class 27.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Glue. 520,273, Jan. 24; Serial No. 565,609, published Oct. 18, 1949. Class 5.
Buckeye Soda Company, The: *See*—
Lightnin Chemical Company, The.
Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. 520,297–8, Jan. 24; Serial Nos. 573,615–16, published Oct. 25, 1949. Class 28.
Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. 520,299, Jan. 24; Serial No. 573,618, published Oct. 25, 1949. Class 28.
Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. 520,300, Jan. 24; Serial No. 573,623, published Oct. 25, 1949. Class 28.
Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. 520,301, Jan. 24; Serial No. 573,627, published Oct. 25, 1949. Class 28.
Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. 520,302, Jan. 24; Serial No. 573,630, published Oct. 25, 1949. Class 28.
Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. 520,303–5, Jan. 24; Serial Nos. 573,632–4, published Oct. 25, 1949. Class 28.
Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. 520,306–10, Jan. 24; Serial Nos. 573,637–41, published Oct. 25, 1949. Class 28.
Bulova Watch Company, Inc., New York, N. Y. Watches. 520,315, Jan. 24; Serial No. 574,406, published Oct. 25, 1949. Class 27.
Burch Coffee Co., Eastman, Ga. Coffee, tea, and spices. 520,335, Jan. 24; Serial No. 565,040. Class 46.
C-Cruise Corporation, West Salem, Oreg. Carnival amusement riding device. 520,226, Jan. 24; Serial No. 555,989, published Oct. 4, 1949. Class 22.
California Wire Cloth Corporation, The, Oakland, Calif. Metal bale ties. 520,277, Jan. 24; Serial No. 566,433, published Oct. 18, 1949. Class 13.
California Wire Cloth Corporation, The, Oakland, Calif. Metal bale ties. 520,279, Jan. 24; Serial No. 566,745, published Oct. 18, 1949. Class 13.
Cardinal Mills, Inc., Long Island City, N. Y. Flat ribbon-like material. 520,330, Jan. 24; Serial No. 558,280. Class 7.
Carnell Manufacturing Company, Inc., Brooklyn, N. Y. Toy holsters and belts. 520,201, Jan. 24; Serial No. 550,484, published Oct. 4, 1949. Class 22.
Carter, Hanna, Mamaroneck, N. Y. Comic strips and newspaper columns. 520,333, Jan. 24; Serial No. 562,447. Class 38.
Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. 520,280, Jan. 24; Serial No. 566,746, published Oct. 18, 1949. Class 13.
Cassoff, L. Francis, doing business as The Kenycas Paint Company, to Cepaco Paint & Varnish Works, Inc., Brooklyn, N. Y. Ready-mixed paints. 262,783, renewed Oct. 22, 1949. O. G. Jan. 24. Class 16.
Cepaco Paint & Varnish Works, Inc.: *See*—
Cassoff, L. Francis.
Chapin-Sacks Mfg. Co., to Southern Dairies, Inc., Washington, D. C. Ice-cream. 75,599, re-renewed Oct. 26, 1949. O. G. Jan. 24. Class 46.
Chemical Corporation of America, Los Angeles, Calif. Lubricating oil. 443,700, Jan. 24; Serial No. 507,967, published Oct. 4, 1949. Class 15.
Chipman Chemical Company, Inc.: *See*—
Chipman Chemical Engineering Company, Inc.
Chipman Chemical Engineering Company, Inc., Middlesex, N. J., to Chipman Chemical Company, Inc., Bound Brook, N. J. Chemical preparation. 269,496, renewed Apr. 8, 1950. O. G. Jan. 24. Class 6.
Cohn, Jacob V., Detroit, Mich. Dress shirts, sport shirts, and sport collars. 520,145, Jan. 24; Serial No. 538,099, published Oct. 4, 1949. Class 39.
Collins, Austin T., doing business as Miracle Lubricating Company, Detroit, Mich., assignor, by mesne assignments, to The A P Parts Corporation, Toledo, Ohio. Lubricating oils and greases, and graphitic lubricants. 443,696, Jan. 24; Serial No. 479,464, published Mar. 9, 1948. Class 15.
Colonial Provision Co., Inc., Boston, Mass. Hams, shoulders, bacon, frankfurters. 307,830, Nov. 7, 1933. Republished Jan. 24, 1950. Class 46.
Cowles Chemical Company: *See*—
Cowles Detergent Company, The.
Cowles Detergent Company, The, to Cowles Chemical Company, Cleveland, Ohio. Soluble chemical compounds for use as detergents. 266,052, renewed Jan. 14, 1950. O. G. Jan. 24. Class 52.
Crowther, John, & Sons (Milnsbridge) Limited, Huddersfield, England. Men's and boys' suits, jackets, vests, etc. 520,167, Jan. 24; Serial No. 543,092, published Oct. 18, 1949. Class 39.
Cummins, George A., doing business as Fishocrat Creations, San Francisco, Calif. Fishing equipment. 520,231, Jan. 24; Serial No. 550,873, published Oct. 4, 1949. Class 22.
Dabby Hosiery Co., New York, N. Y. Women's hosiery. 520,266, Jan. 24; Serial No. 562,545, published Oct. 18, 1949. Class 39.
Dabrowski, Fred, doing business as The Greylock Sand & Gravel Co., Adams, Mass. Various raw materials. 520,126, Jan. 24; Serial No. 522,280, published Oct. 25, 1949. Class 1.
D'Albora, J. V., Company, Inc.: *See*—
Acme Fruit Company.
Dayton Company, The, Minneapolis, Minn. Men's suits and overcoats. 520,155, Jan. 24; Serial No. 542,101, published Oct. 18, 1949. Class 39.
Dayton Company, The, Minneapolis, Minn. Men's suits and overcoats. 520,156, Jan. 24; Serial No. 542,102, published Oct. 18, 1949. Class 39.
Dentists' Supply Company of New York, The, New York, N. Y. Artificial teeth. 520,256, Jan. 24; Serial No. 560,869, published Oct. 25, 1949. Class 44.
De St. Dalmas, A., & Company Limited, Leicester, England. Non-medicated surgical plasters and surgical dressings. 443,702, Jan. 24; Serial No. 510,002, published Oct. 4, 1949. Class 44.
Deseo Shoe Corporation, Long Island City, N. Y. Ladies' and misses' shoes. 443,706, Jan. 24; Serial No. 524,113, published Oct. 4, 1949. Class 39.
Dickel, Geo. A., Co.: *See*—
Dickel, Geo. A., & Co.
Dickel, Geo. A., & Co., Nashville, Tenn., by Geo. A. Dickel Co., Frankfort, Ky., and New York, N. Y. Whiskey. 44,513, July 11, 1905. Republished Jan. 24. Class 49.
Dickel, Geo. A., & Co., Nashville, Tenn., by Geo. A. Dickel Co., New York, N. Y., and Frankfort, Ky. Whiskey. 44,785, July 25, 1905. Republished Jan. 24. Class 49.
Doniger, David D., & Co., New York, N. Y. Combination shirt and jacket. 381,709, Oct. 1, 1940. Corrected. O. G. Jan. 24. Class 39.
Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Golf balls and tennis balls. 520,146, Jan. 24; Serial No. 538,109, published Oct. 4, 1949. Class 22.
Duon, Inc., Coral Gables, Fla., and Dayton, Ohio. Skin and hair creams and shampoos. 520,271, Jan. 24; Serial No. 564,377, published Oct. 4, 1949. Class 51.
Duro-Mantic Products Company, Hollywood, Calif. Toy racing cars and toy internal combustion engines. 520,203, Jan. 24; Serial No. 550,902, published Oct. 4, 1949. Class 22.

Eaton Manufacturing Company, Cleveland, Ohio. Spring lock washers. 520,129, Jan. 24; Serial No. 527,195, published Apr. 5, 1949. Class 13.
Edgett-Burnham Company, Newark, N. Y. Canned fruit and vegetables. 269,230, renewed Apr. 1, 1950. O. G. Jan. 24. Class 46.
Electrical Industries, Inc., Newark, N. J. Therapeutic electrical heating pads. 520,121, Jan. 24; Serial No. 510,242, published Oct. 4, 1949. Class 44.
Elephant Orchards: *See*—
Moore, William N.
Ellmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware and hollow ware. 520,292, Jan. 24; Serial No. 573,122, published Oct. 25, 1949. Class 28.
Ellmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware. 520,311, Jan. 24; Serial No. 573,714, published Oct. 25, 1949. Class 28.
Ellmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware. 520,313, Jan. 24; Serial No. 574,092, published Oct. 25,1949. Class 28.
Elmo, Inc., Philadelphia, Pa. Facial creams. 520,141, Jan. 24; Serial No. 537,028, published Oct. 18, 1949. Class 51.
Emerson, J. H., Company, Cambridge, Mass. Artificial respirators and resuscitators. 520,125, Jan. 24; Serial No. 521,511, published Oct. 4, 1949. Class 44.
Empire Emblem Company, New York, N. Y. Pennants and banners. 420,115, Mar. 26, 1946. Republished Jan. 24. Class 50.
Empire Sporting Goods Manufacturing Co., Inc., New York, N. Y. Duffle bags, knapsacks, rover packs, etc. 418,480, Dec. 25, 1945. Republished Jan. 24. Classes 2 and 3.
Empire Sporting Goods Manufacturing Co., Inc., New York, N. Y. Football pants, football helmets, and ice hockey pants. 419,079, Feb. 5, 1946. Republished Jan. 24. Classes 22 and 39.
Enro Shirt Company, The, Louisville, Ky. Dress, negligee and work shirts, pajamas and men's underwear. 520,328, Jan. 24; Serial No. 552,132. Class 39.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. 520,171, Jan. 24; Serial No. 544,635, published Oct. 18, 1949. Class 22.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 520,172, Jan. 24; Serial No. 544,636, published Oct. 18, 1949. Class 22.
En-Tout-Cas Company Limited, The, Syston, near Leicester, England. Burnt clay. 394,444, Apr. 7, 1942. Republished Jan. 24. Class 12.
Eriksen, Marius, Oslo, Norway. Skis, ski poles, ski bindings, and metal edges. 520,198, Jan. 24; Serial No. 550,317, published Oct. 4, 1949. Class 22.
Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Cutting oils, soluble cutting oils. 520,206, Jan. 24; Serial No. 551,549, published Sept. 27, 1949. Class 15.
Eureka Coppersmith and Plumbing Co., Inc., The, Baltimore, Md. Therapeutic appliances. 520,235, Jan. 24; Serial No. 557,662, published Oct. 4, 1949. Class 44.
Everfast Fabrics, Inc., New York, N. Y. Outer wash garments and under wash garments, etc. 520,180, Jan. 24; Serial No. 546,203, published July 5, 1949. Class 39.
Excel Garment Manufacturing Company, Minneapolis, Minn. Ready made interliners for outdoor garments. 443,707, Jan. 24; Serial No. 525,575, published Oct. 4, 1949. Class 39.
Fabrique D'Horlogerie Rayville, S. A.: *See*—
Bruner, S., Inc.
Fairchild Publications, Inc.: *See*—
Women's Wear Company.
Farbwerke vormals Meister Lucius & Brüning, Hochst-on-the-Main, Germany, to Winthrop-Stearns Inc., New York, N. Y. Medical compound. 74,280, re-renewed June 29, 1949. O. G. Jan. 24. Class 18.
Fils, E. Blancpain, assignee: *See*—
Bruner, S., Inc.
First Texas Chemical Mfg. Co., Dallas, Tex. Tonic. 262,770, renewed Oct. 22, 1949. O. G. Jan. 24. Class 18.
First Texas Chemical Mfg. Co., Dallas, Tex. Solvent to be dissolved in water for the treatment of acid stomach, etc. 262,771, renewed Oct. 22, 1949. O. G. Jan. 24. Class 18.
First Texas Chemical Mfg. Co., Dallas, Tex. Solvent to be dissolved in water for use as a wash or douche. 262,772, renewed Oct. 22, 1949. O. G. Jan. 24. Class 18.
First Texas Chemical Mfg. Co., Dallas, Tex. Ointment for burns, bruises, pimples, etc. 262,773, renewed Oct. 22, 1949. O. G. Jan. 24. Class 18.
Fishocrat Creations: *See*—
Cummins, George A.
Fleischaker and Baum Division of Noma Electric Corporation: *See*—
Noma Electric Corporation.
Florsheim Shoe Company, The, Chicago, Ill. Cloth and leather boots and shoes. 520,165, Jan. 24; Serial No. 543,287, published Oct. 11, 1949. Class 39.
Folsom, H. & D., Arms Co. Inc., The, New York, N. Y. Fish hooks and leaders. 520,192, Jan. 24; Serial No. 548,737, published Oct. 18, 1949. Class 22.
Forstmann Woolen Company, Passaic, N. J. Men's, women's, and children's outer garments. 520,220, Jan. 24; Serial No. 555,401, published Oct. 19, 1948. Class 39.
French, Shriner & Urner Manufacturing Co., Boston, Mass. Men's shoes. 520,234, Jan. 24; Serial No. 557,516, published Oct. 18, 1949. Class 39.
Friedberg, Leonard, New York, N. Y. Rouge, face powder, perfume, etc. 520,278, Jan. 24; Serial No. 566,703, published Oct. 4, 1949. Class 51.
Fulton County Silk Mills, Gloversville, N. Y. Silk piece goods. 263,139, renewed Oct. 29, 1949. O. G. Jan. 24. Class 42.
Fulton County Silk Mills, Gloversville, N. Y. Silk piece goods. 263,483, renewed Nov. 5, 1949. O. G. Jan. 24. Class 42.
Gamble-Skogmo, Inc., Minneapolis, Minn. Work gloves, work shirts, denim jackets, etc. 520,122, Jan. 24; Serial No. 511,995, published Oct. 11, 1949. Class 39.
Gastwirth Bros., New York, N. Y., and Philadelphia, Pa. Girls' and children's coats. 520,241, Jan. 24; Serial No. 558,485, published Oct. 4, 1949. Class 39.
General Aniline & Film Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.
Kalle & Co. Aktiengesellschaft.
General Mills, Inc.: *See*—
Spery Flour Co.
Generators & Armatures Co.: *See*—
Arrow Armatures Company.
Gibraltar Floors, Inc., Detroit, Mich. Prepared dry material. 520,217, Jan. 24; Serial No. 554,561, published Oct. 4, 1949. Class 12.
Gigantic S. A., Geneva, Switzerland. Watches and parts thereof. 520,289, Jan. 24; Serial No. 572,560, published Oct. 25, 1949. Class 27.
Ginsberg, S., Sons, Baltimore, Md. Men's clothing. 520,142, Jan. 24; Serial No. 537,036, published Oct. 11, 1949. Class 39.
Gleason's Catering Service, Salem, Oreg. French dressing. 520,325, Jan. 24; Serial No. 550,407. Class 46.
Glendora Lemon Growers Association, Glendora, Calif. Fresh lemons. 188,211–2, Aug. 19, 1924. Republished Jan. 24. Class 46.
Glendora Lemon Growers Association, Glendora, Calif. Fresh lemons. 196,915, Mar. 31, 1925. Republished Jan. 24. Class 46.
Glendora Lemon Growers Association, Glendora, Calif. Fresh citrus fruits. 213,904, June 8, 1926. Republished Jan. 24. Class 46.
Gold, Ira, assignor to Atlas Toy Company, Chicago, Ill. Toy miniature hand operated phonograph and records for use therewith. 520,199, Jan. 24; Serial No. 550,320, published Oct. 4, 1949. Class 22.
Goldsmith, Louis, Inc., Philadelphia, Pa. Men's and boys' suits, coats, vests, etc. 520,149, Jan. 24; Serial No. 539,413, published Mar. 22, 1949. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumtaic and cushion tires. 266,908, renewed Feb. 11, 1950. O. G. Jan. 24. Class 35.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Portable tire and tube repair outfits, rubber plugs, etc. 266,927, renewed Feb. 11,1950. O. G. Jan. 24. Class 35.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumatic, cushion, and solid tires. 266,932–3, renewed Feb. 11, 1950. O. G. Jan. 24. Class 35.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Soles and heels for boots and shoes. 267,460, renewed Feb. 18, 1950. O. G. Jan. 24. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Adhesives. 268,254, renewed Mar. 11, 1950. O. G. Jan. 24. Class 5.
Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. 520,288, Jan. 24; Serial No. 571,722, published Oct. 25, 1949. Class 27.
Granat Bros., Inc., San Francisco, Calif. Finger rings. 520,162, Jan. 24; Serial No. 542,936, published Oct. 25, 1949. Class 28.
Granberg Equipment, Inc., Oakland, Calif. Graphite lubricant for use in packing glands. 443,697, Jan. 24; Serial No. 487,618, published Sept. 27, 1949. Class 15.
Great American Knitting Mills, Inc., Bechtelsville, Pa. Hosiery. 520,321, Jan.24; Serial No. 528,859. Class 39.
Gregory & Read Co., Lynn, Mass. Ladies' and misses' shoes. 520,247, Jan. 24; Serial No. 559,703, published Oct. 11, 1949. Class 39.
Greylock Sand & Gravel Co., The: *See*—
Dabrowski, Fred.
Grove, M. J., Lime Company of Frederick County, The, Lime Kiln, Md. Lime. 520,179, Jan. 24; Serial No. 546,151, published Oct. 4, 1949. Class 12.
Guarantee Manufacturing Co.: *See*—
Schiffmann, Robert P.
Haas-Miller Corporation, Philadelphia, Pa. Reddish amber liquid of oleaginous nature. 520,249, Jan. 24; Serial No. 560,105, published Oct. 4, 1949. Class 15.
Hall Packing Company, Sanger, Calif. Fresh grapes. 520,327, Jan. 24; Serial No. 551,450. Class 46.
Hansen, A. L., Mfg. Co., Chicago, Ill. Machine staples. 520,151, Jan. 24; Serial No. 539,875, published Oct. 18, 1949. Class 13.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory material. 520,158, Jan. 24; Serial No. 542,310, published Oct. 14, 1949. Class 12.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Wheeled vehicles. 520,133, Jan. 24; Serial No. 532,977, published Oct. 4, 1949. Class 22.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Sidewalk bicycles, velocipedes, and parts therefor. 520,166, Jan. 24; Serial No. 542,294, published Oct. 4, 1949. Class 22.
Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. 520,229, Jan. 24; Serial No. 556,336, published Oct. 18, 1949. Class 39.
Hastings & Company, by Hastings & Co., Inc., Philadelphia, Pa. Gold leaf, silver leaf, and palladium leaf. 334,471, May 5, 1936. Republished Jan. 24. Class 14.
Hastings & Co., Inc.: *See*—
Hastings & Company.
Hearst Consolidated Publication, Inc.: *See*—
New York American, Inc.
Hearst Publishing Company, Inc.: *See*—
Times Publishing Company, The.
Hefti, F., & Co. A. G., Hatsingen, Switzerland, Wearing apparel. 520,138, Jan. 24; Serial No. 535,320, published Oct. 4, 1949. Class 39.
Heinr., Dr., Traun & Söhne, Vormals Harburger Gummi-Kamm-Compagnie, Hamburg, Germany, to S & G Rubber Company, Inc., Mendham, N. J. Combs. 249,994, renewed Nov. 27, 1948. O. G. Jan. 24. Class 40.
Hemming, Thomas, & Son Limited, Redditch, England. Fish hooks. 520,202, Jan. 24; Serial No. 550,808, published Oct. 4, 1949. Class 22.
Hewitt Soap Company, Inc., The: *See*—
Pioneer Products Co., The.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Belts, 520,185, Jan. 24; Serial No. 547,550, published Oct. 11, 1949. Class 39.
Hobbs Manufacturing Company, Worcester, Mass. Lock washers. 520,272, Jan. 24; Serial No. 565,338, published Oct. 18, 1949. Class 13.
Hodell Chain Company, The, Cleveland, Ohio. Wire chains, tractor chains, tire chains, etc. 520,250, Jan. 24; Serial No. 560,269, published Oct. 18, 1949. Class 13.
Houghton, E. F., & Co., Philadelphia, Pa. Fuel oil sludge dispersing chemical agent. 520,284, Jan. 24; Serial No. 569,068, published Oct. 4, 1949. Class 52.
Hughes-Consolidated, Inc., Newark, N. J. Golf bags. 520,268, Jan. 24; Serial No. 563,679, published Oct. 4, 1949. Class 22.
Hunt, Horace A., Chicago, Ill. Window ventilator remote control device. 433,509, Oct. 14, 1947. Republished Jan. 24. Class 21.
Hyde & Bate Inc., New York, N. Y. Watches, watch parts and movements, watch cases, etc. 520,316, Jan. 24; Serial No. 574,433, published Oct. 25, 1949. Class 27.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Berlin, Germany, to General Aniline & Film Corporation, New York, N. Y. Photographic sensitized plates, photographic sensitized films, etc. 248,773, renewed Oct. 30. 1948. O. G. Jan. 24. Class 26.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to Winthrop-Stearns Inc., New York, N. Y. Sweetening agents for foods for diabetics. 260,214, renewed Aug. 20, 1949. O. G. Jan. 24. Class 46.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 520,237, Jan. 24; Serial No. 557,849, published Oct. 4, 1949. Class 22.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 520,240, Jan. 24; Serial No. 558,392, published Oct. 4, 1949. Class 22.
Imperial Metal Manufacturing Corporation, by Alfred E. Bomeisler, Long Island City, N. Y. Pepper and salt cellars. 301,621, Mar. 7, 1933. Republished Jan. 24. Class 2.
Iows Soap Company, Burlington, Iowa. Pumic-soap. 50,071, Mar. 6, 1906. Republished Jan. 24. Class 4.
Iowa Soap Company, Burlington, Iowa. Soap. 102,880, Feb. 23, 1915. Republished Jan. 24. Class 52.
Iowa Soap Company, Burlington, Iowa. Soap. 148,091, Nov. 8, 1921. Republished Jan. 24. Class 52.
Iowa Soap Company, Burlington, Iowa. Toilet soap, laundry soap and washing powder. 186,344, July 8, 1924. Republished Jan. 24. Class 52.
Iowa Soap Company, Burlington, Iowa. Toilet soap. 308,577, Dec. 12, 1933. Republished Jan. 24. Class 52.
Iowa Soap Company, Burlington, Iowa. Soap. 321,618, Feb. 5, 1935. Republished Jan. 24. Class 52.
Irving, John, Shoe Corporation, Boston, Mass. Women's shoes. 520,258, Jan. 24; Serial No. 561,244, published Oct. 18, 1949. Class 39.
Jenney Manufacturing Company, Boston, Mass. Petroleum products. 520,139, Jan. 24; Serial No. 535,535, published Oct. 4, 1949. Class 15.
Johnson & Johnson, New Brunswick, N. J. Liquid adhesive. 520,283, Jan. 24; Serial No. 568,625, published Oct. 4, 1949. Class 5.
Kalamazoo Pant Company, Kalamazoo, Mich. Boys', juniors', and juvenile pants, slacks, knickers, shorts, overalls, etc. 520,147, Jan. 24; Serial No. 538,548, published Oct. 4, 1949. Class 39.
Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany, to General Aniline & Film Corporation, New York, N. Y. Light-sensitive copying and photographic papers. 252,339, renewed Feb. 5, 1949. O. G. Jan. 24. Class 26.
Kanotex Refining Company, The, Arkansas City, Kans. Gasoline, naphtha, kerosene, etc. 520,163, Jan. 24; Serial No. 542,951, published Oct. 4, 1949. Class 15.
Karstens, Robert H., Pasadena, Calif. Cut and potted natural roses. 520,137, Jan. 24; Serial No. 535,048, published Oct. 4, 1949. Class 1.
Kaufman, Sol, doing business as The Mayfair Knitting Mills, by Kiddie Klothes Ko., Baltimore, Md. Infants' and children's sacques, sweaters, capes, etc. 254,306, Mar. 19, 1929. Republished Jan. 24. Class 39.
Kaylon Incorporated, New York, N. Y. Men's, women's and children's pajamas, pajama coats, beach coats, etc. 520,184, Jan. 24; Serial No. 547,347, published Oct. 11, 1949. Class 39.
Kendall Company, The, Boston, Mass. Nursery cotton and dental floss. 520,267, Jan. 24; Serial No. 563,128, published Oct. 25, 1949. Class 44.
Kenycas Paint Company, The: *See*—
Cassoff, L. Francis.
Kerr, R. W., Plastic Co., Hastings, Nebr. Tees for golf balls. 520,177, Jan. 24; Serial No. 545,487, published Oct. 18, 1949. Class 22.
Kickbusch, A., Grocery Company, Wausau, Wis. Coffee. 123,908, Feb. 22, 1918. Republished Jan. 24. Class 46.
Kickbusch, A., Grocery Company, Wausau, Wis. Canned vegetables; canned fruits; canned corn syrup; etc. 134,250, Aug. 24, 1920. Republished Jan. 24. Class 46.
Kickbusch, A., Grocery Company, Wausau, Wis. Non-alcoholic, non-intoxicating, maltless non-cereal beverages. 139,827, Feb. 22, 1921. Republished Jan 24. Class 46.
Kiddie Klothes Ko.: *See*—
Kaufman, Sol.
Kimel Shoe Company, Inc., Boston, Mass. Women's shoes. 520,230, Jan. 24; Serial No. 556,586, published Oct. 4, 1949. Class 39.
Kinney, G. R., Co., Inc., New York, N. Y. Shoes. 520,282, Jan. 24; Serial No. 567,262, published Oct. 18, 1949. Class 39.
Kohler, Fred, Chicago, Ill. Periodical. 520,334, Jan. 24; Serial No. 564,880. Class 38.
Krasnow Belt Co., Inc., New York, N. Y. Garment belts. 520,216, Jan. 24; Serial No. 554,501, published Oct. 18, 1949. Class 39.
La Mirada Olive Company, San Francisco, Calif. Canned olives. 390,164, Sept. 9, 1941. Republished Jan. 24. Class 46.
Lampert, M. J., & Sons, Inc., New York, N. Y. Watch and clock springs. 520,314, Jan. 24; Serial No. 574,102, published Oct. 25, 1949. Class 27.
Langley Corporation, San Diego, Calif. Fishing reels. 443,705, Jan. 24; Serial No. 522,954, published Oct. 4, 1949. Class 22.
Lanman & Kemp, New York, N. Y. Florida water. 47,457, Nov. 7, 1905. Corrected. O. G. Jan. 24. Class 6.
Lawrence, A. C., Leather Company, Peabody, Mass. Leather. 263,904, Nov. 12, 1929. Republished Jan. 24. Class 1.
Legal Stationery Co., Inc., New York, N. Y. Bond paper. 313,888, June 12, 1934. Republished Jan. 24. Class 37.
Lehn & Fink Products Corporation: *See*—
Tanner, Harold H.
Lightnin Chemical Company, The, to The Buckeye Soda Company, Painesville, Ohio. Bowl cleaner. 268,237, renewed Mar. 11, 1950. O. G. Jan. 24. Class 52.
Lionel Trading Co. Inc., to Parfums Corday, Inc., New York, N. Y. Bi-monthly periodical. 265,354, renewed Dec. 24, 1949. O. G. Jan. 24. Class 38.
Lisboa, Miguel, New York, N. Y. Card games. 520,211, Jan. 24; Serial No. 553,289, published Oct. 18, 1949. Class 22.
Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. 269,045, renewed Mar. 25, 1950. O. G. Jan. 24. Class 46.
M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. 520,182. Jan. 24; Serial No. 547,018, published Oct. 4, 1949. Class 39.
M. & S. Doll Co., New York, N. Y. Dolls. 520,183, Jan. 24; Serial No. 547,135, published Oct. 4, 1949. Class 22.
Mablan Company, The, Elyria, and Cleveland, Ohio. Children's toy push trucks. 443,699, Jan. 24; Serial No. 504,775, published Oct. 18, 1949. Class 22.
Manhattan Shirt Company, The, New York, N. Y. Underwear. 268,462, renewed Mar. 18, 1950. O. G. Jan. 24. Class 39.
Marinello Company, to Sales Affiliates, Inc., New York, N. Y. Rouge, face powder, liquid rouge, etc. 262,835, renewed Oct. 29, 1949. O. G. Jan. 24. Class 51.
Mar-O-Ble Manufacturing Company, Los Angeles, Calif. Fishing leader line spool. 443,708, Jan. 24; Serial No. 526,266, published Oct. 18, 1949. Class 22.
Marshall Field & Company, Chicago, Ill. Hair nets. 161,557, Nov. 14, 1922. Republished Jan. 24. Class 39.
Marthinsen, Mads, Michigan City, Ind. Automobile tire chains. 520,275, Jan. 24; Serial No. 565,711, published Oct. 18, 1949. Class 13.
Martin-Senour Company, The, Cleveland, Ohio, to The Martin-Senour Company, Chicago, Ill. Paints, paint enamels, etc. 266,885, renewed Feb. 4, 1950. O. G. Jan. 24. Class 16.
Masback Incorporated, New York, N. Y. Wire screen cloth. 520,262, Jan. 24; Serial No. 561,840, published Oct. 18, 1949. Class 13.

Mayfair Knitting Mills, The: *See*—
Kaufman, Sol.

McGovern & McGovern, to Monitor Fisheries, Inc., Seattle, Wash. Canned fish. 268,805, renewed Mar. 18, 1950. O. G. Jan. 24. Class 46.

Meinecke & Company, New York, N. Y. Surgeons' gloves, clinical thermometers, paper mortuary gowns, etc. 520,175, Jan. 24; Serial No. 545,021, published Oct. 4, 1949. Class 44.

Mexico Refractories Company, Mexico, Mo. Jointing material. 520,274, Jan. 24; Serial No. 565,643, published Oct. 4, 1949. Class 12.

Mexico Refractories Company, Mexico, Mo. Refractory coating material. 520,323, Jan. 24; Serial No. 542,037. Class 12.

Midgage Models, Inc., Portsmouth, R. I. Toys. 443,698, Jan. 24; Serial No. 504,123, published Oct. 4, 1949. Class 22.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. 520,159, Jan. 24; Serial No. 542,395, published Oct. 25, 1949. Class 5.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. 520,161, Jan. 24; Serial No. 542,722, published Oct. 25, 1949. Class 5.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed tape. 520,285, Jan. 24; Serial No. 560,280, published Oct. 4, 1949. Class 5.

Miley, L. J., Company, Chicago, Ill. Rivets. 520,281, Jan. 24; Serial No. 666,992, published Oct. 18, 1949. Class 13.

Minnesota Public Health Association, St. Paul, Minn. Publication. 269,164, renewed Mar. 25, 1950. O. G. Jan. 24. Class 38.

Miracle Lubricating Company: *See*—
Collins, Austin T.

Moll, A., Grocer Co., St. Louis, Mo. Canned fruit, canned vegetables, canned fish, etc. 77,420, re-renewed Apr. 12, 1950. O. G. Jan. 24. Class 46.

Monitor Fisheries, Inc.: *See*—
McGovern & McGovern.

Monsanto Chemical Company, St. Louis, Mo. Adhesive cements. 520,236, Jan. 24; Serial No. 557,681, published Oct. 25, 1949. Class 5.

Monsanto Chemical Company, St. Louis, Mo. Adhesive cements. 520,251, Jan. 24; Serial No. 560,341, published Oct. 25, 1949. Class 5.

Moore, William N., to Elephant Orchards, Redlands, Calif. Fresh citrus fruits. 77,133, re-renewed Mar. 15, 1950. O. G. Jan. 24. Class 46.

Moore, William S., doing business as Moore's of Ohio, Newark, Ohio. Children's tricycles, scooters, pedal cars, etc. 520,233, Jan. 24; Serial No. 557,458, published Oct. 4, 1949. Class 22.

Moore's of Ohio: *See*—
Moore, William S.

Mulco, S. A., La Chaux-de-Fonds, Switzerland. Watches and parts of watches. 520,290, Jan. 24; Serial No. 572,677, published Oct. 25, 1949. Class 27.

Mutual Buying Syndicate, Inc., New York, N. Y. Hosiery. 520,196, Jan. 24; Serial No. 549,742, published Oct. 4, 1949. Class 39.

N. & W. Overall Co., Inc., Lynchburg, Va. Sport jackets, and jackets of leather and of wool, sport shirts, etc. 520,170, Jan. 24; Serial No. 544,098, published Oct. 18, 1949. Class 39.

Natelson, Alvin, Amityville, N. Y. Men's, women's, boys', and girls' pajamas. 520,227, Jan. 24; Serial No. 556,272, published Oct. 4, 1949. Class 39.

National Fruit Product Company, Inc., Winchester, Va. Apple cider. 121,723, May 21, 1918. Republished Jan. 24. Class 45.

National Fruit Product Company, Inc., Winchester, Va. Canned fruits, fruit jellies, fruit marmalades, etc. 316,305, Aug. 21, 1934. Republished Jan. 24. Class 46.

National Fruit Product Company, Inc., Winchester, Va. Fruit and vegetable juices. 336,489, July 7, 1936. Republished Jan. 24. Class 46.

New Process Company, Warren, Pa. Sporting goods. 520,152, Jan. 24; Serial No. 540,095, published Oct. 4, 1949. Class 22.

New York American, Inc., New York, N. Y., by Hearst Consolidated Publications, Inc., San Francisco, Calif. Daily newspaper. 219,452, Oct. 19, 1926. Republished Jan. 24. Class 38.

Nob Hill Brands, Inc.: *See*—
Sunlit Fruit Company.

Noma Electric Corporation, doing business as Fleischaker and Baum Division of Noma Electric Corporation, New York, N. Y. Dolls and layettes for dolls. 520,210, Jan. 24; Serial No. 553,211, published Oct. 4, 1949. Class 22.

North American Knitting Co., Mansfield, Ohio. Knitted pullover sweaters, vests, and coats for use by men and boys. 520,168, Jan. 24; Serial No. 543,982, published Oct. 11, 1949. Class 39.

Ogden, John J., doing business as Oseptine Company, to Plough, Inc., Memphis, Tenn. Antiseptics and prophylactics for the mouth and throat. 261,598, renewed Sept. 17, 1949. O. G. Jan. 24. Class 18.

Oil Base, Inc., Compton, Calif. Oil base drilling fluid. 520,222, Jan. 24; Serial No. 555,835, published Oct. 25, 1949. Class 12.

Omodox Watch G. m. b. H., Lengnau, Switzerland. Watches and watch movements. 520,312, Jan. 24; Serial No. 573,890, published Oct. 25, 1949. Class 27.

Orr Felt & Blanket Company, The, Piqua, Ohio. Blankets. 520,324, Jan. 24; Serial No. 546,235. Class 42.

Osborn, C., & Co., to C. Osborn & Company Limited, London, England. Preserved fish meats and sauces. 264,158, renewed Nov. 19, 1949. O. G. Jan. 24. Class 46.

Osborn, C., & Company Limited: *See*—
Osborn, C., & Co.

Oseptine Company: *See*—
Ogden, John J.

Paraffine Companies, Inc., The, San Francisco, Calif. Adhesive. 520,238, Jan. 24; Serial No. 558,058, published Oct. 18, 1949. Class 5.

Paraffine Companies, Inc., The, San Francisco, Calif. Solvent-type adhesive. 520,242, Jan. 24; Serial No. 558,588, published Oct. 25, 1949. Class 5.

Parfums Corday, Inc.: *See*—
Lionel Trading Co. Inc.

Parker Brothers, Inc., Salem, Mass. Board game. 520,132, Jan. 24; Serial No. 530,673, published Oct. 4, 1949. Class 22.

Parker Brothers, Inc., Salem, Mass. Competitive card game. 520,194, Jan. 24; Serial No. 549,327, published Oct. 4, 1949. Class 22.

Parker Brothers, Inc., Salem, Mass. Board game. 520,195, Jan. 24; Serial No. 549,328, published Oct. 4, 1949. Class 22.

Parker Brothers, Inc., Salem, Mass. Game. 520,270, Jan. 24; Serial No. 564,016, published Oct. 4, 1949. Class 22.

Paterson Parchment Paper Co., The, Passaic, N. J., to The Paterson Parchment Paper Company, Bristol, Pa. Parchment wrapping paper. 269,397, renewed Apr. 8, 1950. O. G. Jan. 24. Class 37.

Paterson Parchment Paper Company, The: *See*—
Paterson Parchment Paper Co., The.

Peck & Peck, New York, N. Y. Wearing apparel for women. 520,191, Jan. 24; Serial No. 548,686, published Oct. 11, 1949. Class 39.

Pedlar, Sylvia S., New York, N. Y. Raincoats. 520,200, Jan. 24; Serial No. 550,340, published Oct. 11, 1949. Class 39.

Peerless Chain Company, Winona, Minn. Chains. 520,134, Jan. 24; Serial No. 533,609, published Oct. 18, 1949. Class 13.

Peerless Mfg. Co., The, Norristown, by The Peerless Paper Mills, Inc., Oaks, Pa. Toilet paper. 110,326, May 16, 1916. Republished Jan. 24. Class 37.

Peerless Mfg. Company, The, Norristown, by The Peerless Paper Mills, Inc., Oaks, Pa. Toilet paper. 174,207, Oct. 9, 1923. Republished Jan. 24. Class 37.

Peerless Paper Mills, The, Oaks, Pa. Toilet paper and paper towels. 334,588, May 5, 1936. Republished Jan. 24. Class 37.

Peerless Paper Mills, Inc., The: *See*—
Peerless Mfg. Co., The.
Peerless Mfg. Company, The.

Penn Luggage Company, Philadelphia, Pa. Luggage. 520,331, Jan. 24; Serial No. 560,040. Class 3.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Material of construction. 520,164, Jan. 24; Serial No. 543,214, published Oct. 14, 1949. Class 12.

Pep Boys, Manny, Moe & Jack, The, Philadelphia, Pa. Automobile lubricating oils and cup grease. 520,135–6, Jan. 24; Serial Nos. 534,668–9, published Sept. 27, 1949. Class 15.

Philadelphia Brief Case Co., Philadelphia, Pa. Handles for luggage. 520,337–8, Jan. 24; Serial Nos. 568,272–3. Class 3.

Phillips Petroleum Company, Bartlesville, Okla. Gasoline, lubricating motor oils, grease compounds, etc. 520,157, Jan. 24; Serial No. 542,164, published Oct. 4, 1949. Class 15.

Phillips Petroleum Company, Bartlesville, Okla. Gasoline and lubricating oil. 520,243, Jan. 24; Serial No. 558,977, published Oct. 4, 1949. Class 15.

Pioneer Products Co., The, by The Hewitt Soap Company, Inc., Dayton, Ohio. Soap. 192,746, Dec. 9, 1924. Republished Jan. 24. Class 52.

Planett Mfg. Co., Downey, Calif. Wire mesh. 520,187, Jan. 24; Serial No. 547,764, published Oct. 18, 1949. Class 12.

Plough, Inc.: *See*—
Ogden, John J.

Pollak, Henry, Inc., New York, N. Y. Felt hats for women, untrimmed. 267,817, renewed Mar. 4, 1950. O. G. Jan. 24. Class 39.

Porter, N., Saddle and Harness Company, Phoenix, Ariz. Saddles, saddle trees and saddle tree horns. 520,329, Jan. 24; Serial No. 553,511. Class 3.

Production Enterprises, Inc., Brooklyn and New York, N. Y. Play desk. 520,215, Jan. 24; Serial No. 554,410, published Oct. 4, 1949. Class 22.

Red Robin Stores, Inc.: *See*—
Robin Redbreast Hosiery Company, Inc.

Reeves, Parvin & Co., Philadelphia, Pa. Matches. 267,481, renewed Feb. 18, 1950. O. G. Jan. 24. Class 9.

Ref Manufacturing Corporation, Mineola, N. Y. Sink bowls. 443,703, Jan. 24; Serial No. 520,346, published Oct. 18, 1949. Class 13.

Reimesch, John F., Clifton, N. J. Fishing reels. 520,127, Jan. 24; Serial No. 522,452, published Oct. 18, 1949. Class 22.

Renuzit Home Products Co., Philadelphia, Pa. Motor lubricating oil. 520,144, Jan. 24; Serial No. 537,508, published Sept. 27, 1949. Class 15.

Revere Clock Company, The, Cincinnati, Ohio. Clocks. 269,308, renewed Apr. 1, 1950. O. G. Jan. 24. Class 27.

Rexall Drug Company, Los Angeles, Calif. Clocks. 520,296, Jan. 24; Serial No. 573,572, published Oct. 25, 1949. Class 27.

Rick, H. L., Galion, Ohio. Preparation for use as a rat exterminator. 265,079, renewed Dec. 17, 1949. O. G. Jan. 24. Class 6.

Riddell, John T., Inc., Chicago, Ill. Shoe cleats. 520,239, Jan. 24; Serial No. 558,165, published Oct. 18, 1949. Class 13.

Ringcraft, Incorporated, Detroit, Mich. Jewelry. 520,120, Jan. 24; Serial No. 508,008, published Oct. 25, 1949. Class 28.

Roberts, Bob: *See*—
Roberts, Robert J.

Roberts, Robert J., doing business as Bob Roberts, Gary, Ind. Propellers for toy power driven airplanes. 520,124, Jan. 24; Serial No. 519,137, published Oct. 4, 1949. Class 22.

Robin Redbreast Hosiery Company, Inc., now by change of name Red Robin Stores, Inc., by Red Robin Stores, Inc., New York, N. Y. Hosiery, dresses, coats, suits, etc., for women and girls. 443,221, Aug. 16, 1949. Republished Jan. 24. Class 39.

Robins, A. H., Company, Inc., Richmond, Va. Medicinal preparation. 338,733, Sept. 15, 1936. Republished Jan. 24. Class 18.

Robins, A. H., Company, Inc., Richmond, Va. Medicinal preparation. 345,935, May 11, 1937. Republished Jan. 24. Class 18.

Robins, A. H., Company, Inc., Richmond, Va. Medicinal preparation. 382,156, Oct. 15, 1940. Republished Jan. 24. Class 18.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 520,214, Jan. 24; Serial No. 553,751, published Oct. 11, 1949. Class 39.

S & G Rubber Company, Inc.: *See*—
Heinr., Dr., Traun & Söhne, Vormals Harburger Gummi-Kamm-Compagnie.

Safety Car Heating & Lighting Company, The, New Haven, Conn., and New York, N. Y., to The Safety Car Heating and Lighting Company, Inc., New York, N. Y. Gaslighting fixtures and gas mantles. 262,969, renewed Oct. 29, 1949. O. G. Jan. 24. Class 34.

Safety Car Heating and Lighting Company, Inc., The: *See*—
Safety Car Heating & Lighting Company, The.

Saks & Company, New York, N. Y. Hosiery. 520,224, Jan. 24; Serial No. 555,960, published Oct. 18, 1949. Class 39.

Sales Affiliates, Inc.: *See*—
Marinello Company.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Anthelmintics, antigens, bacterins, etc. 520,225, Jan. 24; Serial No. 555,963, published Sept. 27, 1949. Class 6.

Sanitary Hatchery: *See*—
Schietinger, Carl G.

Santa Fe Manufacturing Corp., New York, N. Y. Jewelry chains. 520,293, Jan. 24; Serial No. 573,201, published Oct. 25, 1949. Class 28.

Santa Lucia Wineries, Inc., Fresno, Calif., by Schenley Industries, Inc., New York, N. Y., and Fresno, Calif. Wines. 314,210, June 19, 1934. Republished Jan. 24. Class 47.

Sargeant Acnoid Pharmaceutical Co., Inc., East Orange, N. J., by S. M. Sargeant, Highland Mills, N. Y. Bath salts bleaching compound, brilliantines, etc. 308,873, Dec. 26, 1933. Republished Jan. 24. Classes 18 and 51.

Sargeant, Stanley M.: *See*—
Sargeant Acnoid Pharmaceutical Co., Inc.

Schenley Industries, Inc.: *See*—
Santa Lucia Wineries, Inc.

Scher, M. M., & Sons: *See*—
Scher, Morris M.

Scher, Morris M., to M. M. Scher & Sons, Baltimore, Md. Plain twist and fancy wool suiting in the piece. 264,503, renewed Nov. 26, 1949. O. G. Jan. 24. Class 42.

Schietinger, Carl G., doing business as Sanitary Hatchery, Weimar, Tex. Baby chicks. 520,143, Jan. 24; Serial No. 537,082, published Oct. 4, 1949. Class 1.

Schiffmann, Robert P., doing business as Guarantee Manufacturing Co., Chicago, Ill. Artificial fish lures. 520,248, Jan. 24; Serial No. 560,057, published Oct. 4, 1949. Class 22.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 520,181. Jan. 24; Serial No. 546,518, published Oct. 11, 1949. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Grass seed. 400,750, Mar. 30, 1943. Republished Jan. 24. Class 1.

Sears, Roebuck and Co., Chicago, Ill. Ornamental iron railing. 520,174, Jan. 24; Serial No. 544,778, published Oct. 18, 1949. Class 12.

Selchow & Righter Company, New York, N. Y. Board game. 520,244, Jan. 24; Serial No. 559,059, published Oct. 18, 1949. Class 22.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Nonmetallic washers, faucet cushions, and nonmetallic hibb washers. 268,242, renewed Mar. 11, 1950. O. G. Jan. 24. Class 35.

Signode Steel Strapping Company, Chicago, Ill. Stretching or tensioning tools, sealing tools, etc. 515,385, Sept. 20, 1949. Corrected. O. G. Jan. 24. Class 23.

Sinclair Refining Company, New York, N. Y. Lubricating oils. 520,204, Jan. 24; Serial No. 551,327, published Oct. 18, 1949. Class 15.

Sinclair Refining Company, New York, N. Y. Refined, semi-refined, and unrefined oils. 520,205, Jan. 24; Serial No. 551,328, published Oct. 18, 1949. Class 15.

Sklaroff, Harry, Sons, Inc., Philadelphia, Pa. Women's hosiery. 520,264, Jan. 24; Serial No. 562,089, published Oct. 18, 1949. Class 39.

Sloan Valve Company, Chicago, Ill. Flush valves. 263,424, renewed Nov. 5, 1949. O. G. Jan. 24. Class 13.

Sopher, Herman, Baltimore, Md. Racing information or selection cards or sheets. 520,320, Jan. 24; Serial No. 596,483. Class 38.

South Bend Bait Company, South Bend, Ind. Fishing rods, fishing reels, fishing lines, and artificial fish baits and lures. 520,150, Jan. 24; Serial No. 539,571, published Oct. 4, 1949. Class 22.

Southeastern Mills, Inc.: *See*—
Stivers, Theo., Milling Company.

Southern Dairies, Inc.: *See*—
Chapin-Sacks Mfg. Co.

Southern Electric Products: *See*—
Warren, Mark E.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Skis and ski poles. 520,318, Jan. 24; Serial No. 580,153, published Oct. 4, 1949. Class 22.

Spencer Shoe Corporation, Boston, Mass. Shoes, slippers, and moccasins, etc. 520,207, Jan. 24; Serial No. 552,995, published Oct. 4, 1949. Class 39.

Sperry Flour Co., San Francisco, Calif., to General Mills, Inc., Minneapolis, Minn. Cereal breakfast foods. 265,176, renewed Dec. 17, 1949. O. G. Jan. 24. Class 46.

Sport Lore, Denver, Colo. Deer call. 520,188, Jan. 24; Serial No. 547,877, published Oct. 18, 1949. Class 22.

Stackpole Carbon Company, St. Marys, Pa. Powdered mixed ferrites. 520,254, Jan. 24; Serial No. 560,729, published Oct. 4, 1949. Class 1.

Standard Kiddies Sportswear: *See*—
Beenstock, Jack N.

Sta-Vis Oil Company, St. Paul, Minn. Lubricating oils and greases and emulsified oil. 520,212, Jan. 24; Serial No. 553,542, published Sept. 27, 1949. Class 15.

Stern, Henri, Watch Agency, Inc., The, New York, N. Y. Watches. 520,291, Jan. 24; Serial No. 573,062, published Oct. 25, 1949. Class 27.

Stivers, Theo., Milling Company, Cleveland, Tenn., to Southeastern Mills, Inc., Rome, Ga. Soft-wheat flour. 267,680, renewed Feb. 25, 1950. O. G. Jan. 24. Class 46.

Store Modernization Show, Inc., New York, N. Y. Quarterly publication. 520,332, Jan. 24; Serial No. 561,951. Class 38.

Stratton & Terstegge Company, Louisville, Ky. Tackle boxes. 520,213, Jan. 24; Serial No. 553,650, published Oct. 4, 1949. Class 22.

Strouse-Baer Co., The, by The Strouse-Baer Company, Inc., Baltimore, Md. Women's and children's suits, dresses, coats, etc. 112,329, Aug. 29, 1916. Republished Jan. 24. Class 39.

Strouse-Baer Company, The, by The Strouse-Baer Company, Inc., Baltimore, Md. Boys' suits, shirts, blouses, pants, etc. 333,997, Apr. 14, 1936. Republished Jan. 24. Class 39.

Strouse-Baer Company, The, by The Strouse-Baer Company, Inc., Baltimore, Md. Suits and pants for boys and suits and sport dresses, shirts, shorts, etc., for girls. 334,605, May 5, 1936. Republished Jan. 24. Class 39.

Strouse-Baer Company, Inc., The: *See*—
Strouse-Baer Co., The.
Strouse-Baer Company, The.

Sunlit Fruit Company, West Berkeley, to Nob Hill Brands, Inc., Stockton, Calif. Canned fruits and canned vegetables. 75,883, re-renewed Nov. 23, 1949. O. G. Jan. 24. Class 46.

Syracuse Twist Drill Company, Inc., Syracuse, N. Y. Tools. 74,895, re-renewed July 6, 1949. O. G. Jan. 24. Class 23.

Tanner, Harold H., doing business as Bestway Company, to Lehn & Fink Products Corporation, Bloomfield, N. J. Cold permanent wave kit. 442,871, June 7, 1949. New certificate. O. G. Jan. 24. Class 44.

Thommen, Adolf, Tecknau, near Basle, Switzerland. Watches, watch movements, watch cases, etc. 520,294–5, Jan. 24; Serial Nos. 573,511–12, published Oct. 25, 1949. Class 27.

Thompson Products, Inc., Cleveland, Ohio. Gasoline. 520,154, Jan. 24; Serial No. 541,607, published Sept. 27, 1949. Class 15.

Tide Water Associated Oil Company, San Francisco, Calif. Petroleum products. 520,208, Jan. 24; Serial No. 552,371, published Oct. 18, 1949. Class 15.

Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. 520,223, Jan. 24; Serial No. 555,850, published Sept. 27. 1949. Class 15.

Times Publishing Company, The, Detroit, Mich., by Hearst Publishing Company, Inc., Los Angeles, Calif. Daily newspaper. 219,611, Oct. 19, 1926. Republished Jan. 24. Class 38.

Tomkins Brothers, Newark, N. J. Refractory brick. 520,245, Jan. 24; Serial No. 559,069, published Oct. 18, 1949. Class 12.

Tri Sportswear, Inc., New York, N. Y. Satin jackets. 520,259, Jan. 24; Serial No. 561,274, published Oct. 11, 1949. Class 39.

Trystan Game Company, Reno, Nev. Card game. 520,218, Jan. 24; Serial No. 554,631, published Oct. 4, 1949. Class 22.

Turner Brass Works, The, Sycamore and Chicago, Ill., to The Turner Brass Works, Sycamore, Ill. Brass cocks, valves, elbows, tees, etc. 77,497, re-renewed Apr. 12, 1950. O. G. Jan. 24. Class 13.

Unique Art Manufacturing Company, Inc., Newark, N. J. Mechanical toys. 520,190, Jan. 24; Serial No. 548,125, published Oct. 18, 1949. Class 22.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 520,153, Jan. 24; Serial No. 541,223, published Oct. 4, 1949. Class 22.

Uvalde Rock Asphalt Company, San Antonio, Tex. Natural rock asphalt paving preparation. 268,039, renewed Mar. 4, 1950. O. G. Jan. 24. Class 12.

Valjean Watch Co., New York, N. Y. Watches and clocks. 520,123, Jan. 24; Serial No. 518,575, published Oct. 25, 1949. Class 27.

Walker, William L., Athens, Ga. Catapults. 520,246, Jan. 24; Serial No. 559,195, published Oct. 4, 1949. Class 22.

Waltham Watch Company: *See*—
American Waltham Watch Company.

Ward Green Company, New York, N. Y. Abdominal supports. 520,148, Jan. 24; Serial No. 538,831, published Oct. 4, 1949. Class 44.

Warren, Mark E., doing business as Southern Electric Products, Anderson, S. C. Portable unitary electric butter churns. 406,594, Apr. 11, 1944. Republished Jan. 24. Class 21.

Warren Tool Corporation: *See*—
Warren Tool and Forge Co., The.

Warren Tool and Forge Co., The, Warren, by Warren Tool Corporation, Township of Howland, Ohio. Chisels. 208,748, Feb. 9, 1926. Republished Jan. 24. Class 23.

Warren Tool and Forge Co., The, Warren, by Warren Tool Corporation, Township of Howland, Ohio. Mauls. 208,749, Feb. 9, 1926. Republished Jan. 24. Class 23.

Warren Tool and Forge Co., The, Warren, by Warren Tool Corporation, Township of Howland, Ohio. Axes. 208,516, Feb. 2, 1926. Republished Jan. 24. Class 23.

Washington Iron Works, Seattle, Wash. Castings. 291,692, Feb. 23, 1932. Republished Jan. 24. Class 14.

Watson, John Warren, Company, Philadelphia, Pa. Dry compounds. 520,228, Jan. 24; Serial No. 556,300, published Oct. 4, 1949. Class 15.

Watts Regulator Co., Lawrence, Mass. Automatic temperature and pressure relief valves. 520,276, Jan. 24; Serial No. 565,983, published Oct. 18, 1949. Class 13.

Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 520,232, Jan. 24; Serial No. 557,419, published Oct. 25, 1949. Class 28.

Weinrich Brothers Company, New York, N. Y. Pearl earrings, pearl broaches, strings of pearls, etc. 520,286, Jan. 24; Serial No. 570,341, published Oct. 25, 1949. Class 28.

Weinrott, George H., & Company, Philadelphia, Pa. Concrete buildings and prefabricated component parts of reinforced concrete; utility rooms, girders, etc. 520,178, Jan. 24; Serial No. 545,804, published Oct. 14, 1949. Class 12.

Welch, Arthur R., Aberdeen, Wash. Wood sheets, slabs, or strips. 520,319, Jan. 24; Serial No. 533,653, published Oct. 18, 1949. Class 12.

Westall, Evelyn, New York, N. Y. Perfume, toilet water, and cologne. 443,704, Jan. 24; Serial No. 522,364, published Oct. 18, 1949. Class 51.

Western Hosiery Company, Chicago, Ill. Men's, women's, and children's hose. 520,131, Jan. 24; Serial No. 529,946, published Oct. 11, 1949. Class 39.

Western Products, Inc., Newark, Ohio. Rigid and semi-rigid sheets. 443,701, Jan. 24; Serial No. 509,806, published Oct. 4, 1949. Class 1.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Pipe couplings and pipe unions and parts thereof. 520,260–1, Jan. 24; Serial Nos. 561,649–50, published Oct. 18, 1949. Class 13.

Wheeling Corrugating Company, Wheeling, W. Va. Metal lath. 520,140, Jan. 24; Serial No. 536,194, published Oct. 18, 1949. Class 12.

Willey, Francis, and Co.: *See*—
Winslow Bros. & Smith Co.

Williams, Art, Des Moines, Iowa. Artificial fish bait. 520,193, Jan. 24; Serial No. 549,101, published Oct. 4, 1949. Class 22.

Wilson Chemical Company, The: *See*—
Wilson, George C.

Wilson Chemical Company, Inc., The: *See*—
Wilson, George C.

Wilson, George C., doing business as The Wilson Chemical Company and The Wilson Products Company, to The Wilson Chemical Company, Inc., Tyrone, Pa. Cough drops. 267,229, renewed Feb. 18, 1950. O. G. Jan. 24. Class 18.

Wilson Products Company, The: *See*—
Wilson, George C.

Winslow Bros. & Smith Co., Boston, Mass., doing business as Francis Willey and Co. Fibre sliver. 520,255, Jan. 24; Serial No. 560,853, published Oct. 4, 1949. Class 1.

Winthrop-Stearns Inc.: *See*—
Farbwerke vormals Meister Lucius & Brüning.
I. G. Farbenindustrie Aktiengesellschaft.

Wohl Shoe Company, The, St. Louis, Mo. Hosiery. 520,219, Jan. 24; Serial No. 555,133, published Oct. 18, 1949. Class 39.

Wolfer, Paul C., Wellesley Hills, Mass. Men's, women's, and children's boots and shoes. 520,221, Jan. 24; Serial No. 555,468, published Oct. 18, 1949. Class 39.

Women's Wear Company, New York, N. Y., now by consolidation Fairchild Publications, Inc. Semi-weekly newspaper. 520,322, Jan. 24; Serial No. 540,951. Class 38.

Wright's Underwear Corporation, New York, N. Y. Cotton knit athletic shirts and T shirts. 520,197, Jan. 24; Serial No. 550,000, published Oct. 11, 1949. Class 39.

Y & Y Deodorizer Co.: *See*—
Actien-Gesellschaft für Anilin-Fabrikation.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Baby chicks. C. G. Schietinger. 520,143, Jan. 24; Serial No. 537,062, published Oct. 4, 1949.

Bulbs, Lily. American Bulb Growers of California, Inc. 520,189, Jan. 24; Serial No. 547,959, published Oct. 4, 1949.

Ferrites, Powdered mixed. Stackpole Carbon Company. 520,254, Jan. 24; Serial No. 560,729, published Oct. 4, 1949.

Fibre sliver. Winslow Bros. & Smith Co. 520,255, Jan. 24; Serial No. 560,853, published Oct. 4, 1949.

Leather. A. C. Lawrence Leather Company. 263,904, Nov. 12, 1929. Republished Jan. 24.

Raw materials, Various. F. Dabrowski. 520,126, Jan. 24; Serial No. 522,280, published Oct. 25, 1949.

Roses, Cut and potted natural. R. H. Karstens. 520,137, Jan. 24; Serial No. 535,048, published Oct. 4, 1949.

Seed, Grass. Sears, Roebuck and Co. 400,750, Mar. 30, 1943. Republished Jan. 24.

Sheets, Rigid and semi-rigid. Western Products, Inc. 443,701, Jan. 24; Serial No. 509,806, published Oct. 4, 1949.

CLASS 2

Bags, Duffle, knapsacks, rover packs, etc. Empire Sporting Goods Manufacturing Co., Inc. 418,480, Dec. 25, 1945. Republished Jan. 24.

Cellars, Pepper and salt. Imperial Metal Manufacturing Corporation. 301,621, Mar. 7, 1933. Republished Jan. 24.

CLASS 3

Bags, Duffle, knapsacks, rover packs, etc. Empire Sporting Goods Manufacturing Co., Inc. 418,480, Dec. 25, 1945. Republished Jan. 24.

Handles for luggage. Philadelphia Brief Case Co. 520,337–38, Jan. 24; Serial Nos. 568,272–3.

Luggage. Penn Luggage Company. 520,331, Jan. 24; Serial No. 560,040.

Saddles, saddle trees and saddle tree horns. N. Porter Saddle and Harness Company. 520,329, Jan. 24; Serial No. 553,511.

CLASS 4

Pumic-soap. Iowa Soap Company. 50,071, Mar. 6, 1906. Republished Jan. 24.

CLASS 5

Adhesive. The Paraffine Companies, Inc. 520,238, Jan. 24; Serial No. 558,058, published Oct. 18, 1949.

Adhesive, Liquid. Johnson & Johnson. 520,283, Jan. 24; Serial No. 568,625, published Oct. 4, 1949.

Adhesive, Solvent-type. The Paraffine Companies, Inc. 520,242, Jan. 24; Serial No. 558,588, published Oct. 25, 1949.

Adhesives. The Goodyear Tire & Rubber Company. 268,254, renewed Mar. 11, 1950. O. G. Jan. 24.

Cements, Adhesive. Monsanto Chemical Company. 520,236, Jan. 24; Serial No. 557,681, published Oct. 25, 1949.

Cements, Adhesive. Monsanto Chemical Company. 520,251, Jan. 24; Serial No. 560,341, published Oct. 25, 1949.

Glue. The Brunswick-Balke-Collender Company. 520,273, Jan. 24; Serial No. 565,609, published Oct. 18, 1949.

Tape, Gummed. Mid-States Gummed Paper Co. 520,285, Jan. 24; Serial No. 569,280, published Oct. 4, 1949.

Tape, Gummed paper. Mid-States Gummed Paper Co. 520,159, Jan. 24; Serial No. 542,395, published Oct. 25, 1949.

Tape, Gummed paper. Mid-States Gummed Paper Co. 520,161, Jan. 24; Serial No. 542,722, published Oct. 25, 1949.

CLASS 6

Anthelmintics, antigens, bacterins, etc. Dr. Salsbury's Laboratories. 520,225, Jan. 24; Serial No. 555,963, published Sept. 27, 1949.

Chemical preparation. Chipman Chemical Engineering Company, Inc. 269,496, renewed Apr. 8, 1950. O. G. Jan. 4.

Florida water. Lanman & Kemp. 47,457, Nov. 7, 1905. Corrected. O. G. Jan. 24.

Gas to be used in making whipped cream. Breakstone & Co., Inc. 436,733, Feb. 17, 1948. Republished Jan. 24.

Preparation for use as a rat exterminator. H. L. Rick. 265,079, renewed Dec. 17, 1949. O. G. Jan. 24.

CLASS 7

Ribbon-like material, Flat. Cardinal Mills, Inc. 520,330, Jan. 24; Serial No. 558,280.

CLASS 9

Matches. Reeves, Parvin & Co. 267,481, renewed Feb. 18, 1950. O. G. Jan. 24.

CLASS 12

Brick, Refractory. Tomkins Brothers. 520,245, Jan. 24; Serial No. 559,069, published Oct. 18, 1949.

Clay, Burnt. The En-Tout-Cas Company Limited. 394,444, Apr. 7, 1942. Republished Jan. 24.

Coating material, Refractory. Mexico Refractories Company. 520,323, Jan. 24; Serial No. 542,037.

Concrete buildings and prefabricated component parts of reinforced concrete; utility rooms, girders, etc. George H. Weinrott & Company. 520,178, Jan. 24; Serial No. 545,804, published Oct. 4, 1949.

Drilling fluid, Oil base. Oil Base, Inc. 520,222, Jan. 24; Serial No. 555,835, published Oct. 25, 1949.

Dry material, Prepared. Gibraltar Floors, Inc. 520,217, Jan. 24; Serial No. 554,561, published Oct. 4, 1949.

Head-walls, arches, etc., Corrugated ferrous metal. The American Rolling Mill Company. 520,130, Jan. 24; Serial No. 527,732, published Oct. 18, 1949.

Iron railing, Ornamental. Sears, Roebuck and Co. 520,174, Jan. 24; Serial No. 544,778, published Oct. 18, 1949.

Jointing material. Mexico Refractories Company. 520,274, Jan. 24; Serial No. 565,643, published Oct. 4, 1949.

Lath, Metal. Wheeling Corrugating Company. 520,140, Jan. 24; Serial No. 536,194, published Oct. 18, 1949.

Lime. The M. J. Grove Lime Company of Frederick County. 520,179, Jan. 24; Serial No. 546,151, published Oct. 4, 1949.

Material of construction. The Pennsylvania Salt Manufacturing Company. 520,164, Jan. 24; Serial No. 543,214, published Oct. 4, 1949.

Paving preparation, Natural rock asphalt. Uvalde Rock Asphalt Company. 268,039, renewed Mar. 4, 1950. O. G. Jan. 24.

Refractory material. Harbison-Walker Refractories Company. 520,158, Jan. 24; Serial No. 542,310, published Oct. 4, 1949.

Sheets, slabs, or strips, Wood. A. R. Welch. 520,319, Jan. 24; Serial No. 533,653, published Oct. 18, 1949.

Steel, Structural, and metallic grating and flooring. Blaw-Knox Company. 520,173, Jan. 24; Serial No. 544,672, published Oct. 18, 1949.

Wire mesh. Planett Mfg. Co. 520,187, Jan. 24; Serial No. 547,764, published Oct. 18, 1949.

CLASS 13

Bowls, Sink. Ref Manufacturing Corporation. 443,703, Jan. 24; Serial No. 520,346, published Oct. 18, 1949.

Chains. Peerless Chain Company. 520,134, Jan. 24; Serial No. 533,609, published Oct. 18, 1949.

Chains, Automobile tire. M. Marthinsen. 520,275, Jan. 24; Serial No. 565,711, published Oct. 18, 1949.

Chains, Wire, tractor chains, tire chains, etc. The Hodell Chain Company. 520,250, Jan. 24; Serial No. 560,269, published Oct. 18, 1949.

Cleats, Shoe. John T. Riddell, Inc. 520,239, Jan. 24; Serial No. 558,165, published Oct. 18, 1949.

Cocks, valves, elbows, T's, Brass, etc. The Turner Brass Works. 77,497, re-renewed Apr. 12, 1950. O. G. Jan. 24.

Couplings, Pipe, and pipe unions and parts thereof. The Westinghouse Air Brake Company. 520,260–1, Jan. 24; Serial No. 561,649–50, published Oct. 18, 1949.

Fencing, Metallic. Anchor Post Fence Company. 443,393, Sept. 27, 1949. Republished Jan. 24.

Fixtures, Plumbing. W. A. Case and Son Manufacturing Company. 520,280, Jan. 24; Serial No. 566,746, published Oct. 18, 1949.

Rivets. L. J. Miley Company. 520,281, Jan. 24; Serial No. 566,992, published Oct. 18, 1949.

Screen cloth, Wire. Masback Incorporated. 520,262, Jan. 24; Serial No. 561,840, published Oct. 18, 1949.

Seats, Toilet. R. E. Boyse. 520,263, Jan. 24; Serial No. 561,877, published Oct. 18, 1949.

Staples, Machine. A. L. Hansen Mfg. Co. 520,151, Jan. 24; Serial No. 539,875, published Oct. 18, 1949.

Ties, Metal bale. The California Wire Cloth Corporation. 520,277, Jan. 24; Serial No. 566,433, published Oct. 18, 1949.

Ties, Metal bale. The California Wire Cloth Corporation. 520,279, Jan. 24; Serial No. 566,745, published Oct. 18, 1949.

Valves, Automatic temperature and pressure relief. Watts Regulator Co. 520,276, Jan. 24; Serial No. 565,983, published Oct. 18, 1949.

Valves, Flush. Sloan Valve Company. 268,424, renewed Nov. 5, 1949. O. G. Jan. 24.

Washers, Lock. Hobbs Manufacturing Company. 520,272, Jan. 24; Serial No. 565,338, published Oct. 18, 1949.

Washers, Spring lock. Eaton Manufacturing Company. 520,129, Jan. 24; Serial No. 527,195, published Apr. 5, 1949.

CLASS 14

Castings. Washington Iron Works. 291,692, Feb. 23, 1932. Republished Jan. 24.

Gold leaf, silver leaf, and palladium leaf. Hastings & Company. 334,471, May 5, 1936. Republished Jan. 24.

CLASS 15

Dry compounds. John Warren Watson Company. 520,228, Jan. 24; Serial No. 556,300, published Oct. 4, 1949.

Gasoline. C. A. Beck. 520,176, Jan. 24; Serial No. 545,071, published Oct. 4, 1949.

Gasoline. Thompson Products, Inc. 520,154, Jan. 24; Serial No. 541,607, published Sept. 27, 1949.

Gasoline, lubricating motor oils, grease compounds, etc. Phillips Petroleum Company. 520,157, Jan. 24; Serial No. 542,164, published Oct. 4, 1949.

Gasoline, naphtha, kerosene, etc. The Kanotex Refining Company. 520,163, Jan. 24; Serial No. 542,951, published Oct. 4, 1949.

Liquid of oleaginous nature, Reddish amber. Haas-Miller Corporation. 520,249, Jan. 24; Serial No. 560,105, published Oct. 4, 1949.

Lubricant for use in packing glands, Graphite. Granberg Equipment, Inc. 443,697, Jan. 24; Serial No. 487,618, published Sept. 27, 1949.

Oil, Gasoline and lubricating. Phillips Petroleum Company. 520,243, Jan. 24; Serial No. 558,977, published Oct. 4, 1949.

Oil, Lubricating. Chemical Corporation of America. 443,700, Jan. 24; Serial No. 507,967, published Oct. 4, 1949.

Oil, Lubricating. Tide Water Associated Oil Company. 520,223, Jan. 24; Serial No. 555,850, published Sept. 27, 1949.

Oil, Motor lubricating. Renuzit Home Products Co. 520,144, Jan. 24; Serial No. 537,508, published Sept. 27, 1949.

Oils and cup grease, Automobile lubricating. The Pep Boys, Manny, Moe & Jack. 520,135–6, Jan. 24; Serial Nos. 564,668–9, published Sept. 27, 1949.

Oils and greases, Lubricating, and emulsified oil. Sta-Vis Oil Company. 520,212, Jan. 24; Serial No. 553,542, published Sept. 27, 1949.

Oils and greases, Lubricating, and graphite lubricants. A. T. Collins. 443,696, Jan. 24; Serial No. 479,464, published Mar. 9, 1948.

Oils, Cutting, soluble cutting oils. Esso Standard Oil Company. 520,206, Jan. 24; Serial No. 551,549, published Sept. 27, 1949.

Oils, Lubricating. Sinclair Refining Company. 520,204, Jan. 24; Serial No. 551,327, published Oct. 18, 1949.

Oils, Refined, semi-refined, and unrefined. Sinclair Refining Company. 520,205, Jan. 24; Serial No. 551,328, published Oct. 18, 1949.

Petroleum and mineral waxes; lubricating oil; cylinder oil, etc. Allied Ray Materials Company, Inc. 520,169, Jan. 24; Serial No. 544,022, published Oct. 18, 1949.

Petroleum products. Jenney Manufacturing Company. 520,139, Jan. 24; Serial No. 535,535, published Oct. 4, 1949.

Petroleum products. Tide Water Associated Oil Company. 520,208, Jan. 24; Serial No. 552,371, published Oct. 18, 1949.

CLASS 16

Paints, paint enamels, etc. The Martin-Senour Company. 266,885, renewed Feb. 4, 1950. O. G. Jan. 24.

Paints, Ready-mixed. L. F. Cassoff. 262,783, renewed Oct. 22, 1949. O. G. Jan. 24.

CLASS 17

Cigars. Benson & Hedges. 443,231, Aug. 16, 1949. Republished Jan. 24.

CLASS 18

Antiseptics and prophylactics for the mouth and throat. J. J. Ogden. 261,598, renewed Sept. 17, 1949. O. G. Jan. 24.
Bath salts, bleaching compound, brilliantines, etc. Sargeant Arnold Pharmaceutical Co., Inc. 308,873, Dec. 26, 1933. Republished Jan. 24.
Cough drops. G. C. Wilson. 267,229, renewed Feb. 18, 1950. O. G. Jan. 24.
Medical compound. Farbwerke vormals Meister Lucius & Brüning. 74,280, re-renewed June 29, 1949. O. G. Jan. 24.
Medicinal preparation. A. H. Robins Company, Inc. 338,733, Sept. 15, 1936. Republished Jan. 24.
Medicinal preparation. A. H. Robins Company, Inc. 345,935, May 11, 1937. Republished Jan. 24.
Medicinal preparation. A. H. Robins Company, Inc. 382,156, Oct. 15, 1940. Republished Jan. 24.
Ointment for burns, bruises, pimples, etc. First Texas Chemical Mfg. Co. 262,773, renewed Oct. 22, 1949. O. G. Jan. 24.
Solvent to be dissolved in water for the treatment of acid stomach, etc. First Texas Chemical Mfg. Co. 262,771, renewed Oct. 22, 1949. O. G. Jan. 24.
Solvent to be dissolved in water for use as a wash or douche. First Texas Chemical Mfg. Co. 262,772, renewed Oct. 22, 1949. O. G. Jan. 24.
Tonic. First Texas Chemical Mfg. Co. 262,770, renewed Oct. 22, 1949. O. G. Jan. 24.

CLASS 21

Armatures, generators, electric starters, and field coils. Arrow Armatures Company. 520,186, Jan. 24; Serial No. 547,687, published Oct. 4, 1949.
Churns, Portable unitary electric butter. M. E. Warren. 406,594, Apr. 11, 1944. Republished Jan. 24.
Remote control device, Window ventilator. H. A. Hunt. 433,509, Oct. 14, 1947. Republished Jan. 24.

CLASS 22

Bicycles, Sidewalk, velocipedes, and parts therefor. D. P. Harris Hardware & Manufacturing Co., Inc. 520,166, Jan. 24; Serial No. 543,294, published Oct. 4, 1949.
Board game. Parker Brothers, Inc. 520,132, Jan. 24; Serial No. 530,673, published Oct. 4, 1949.
Board game. Parker Brothers, Inc. 520,195, Jan. 24; Serial No. 549,328, published Oct. 4, 1949.
Board game. Selchow & Righter Company. 520,244, Jan. 24; Serial No. 559,059, published Oct. 18, 1949.
Card game. M. Lisboa. 520,211, Jan. 24; Serial No. 553,289, published Oct. 18, 1949.
Card game. Trystan Game Company. 520,218, Jan. 24; Serial No. 554,631, published Oct. 4, 1949.
Card game, Competitive. Parker Brothers, Inc. 520,194, Jan. 24; Serial No. 549,327, published Oct. 4, 1949.
Catapults. W. L. Walker. 520,246, Jan. 24; Serial No. 559,195, published Oct. 4, 1949.
Deer call. Sport Lore. 520,188, Jan. 24; Serial No. 547,877, published Oct. 18, 1949.
Dolls. American Character Doll Co. 520,257, Jan. 24; Serial No. 561,067, published Oct. 4, 1949.
Dolls. Ideal Novelty & Toy Co. 520,237, Jan. 24; Serial No. 557,849, published Oct. 4, 1949.
Dolls. Ideal Novelty & Toy Co. 520,240, Jan. 24; Serial No. 558,392, published Oct. 4, 1949.
Dolls. M. & S. Doll Co. 520,183, Jan. 24; Serial No. 547,135, published Oct. 4, 1949.
Dolls and layettes for dolls. Noma Electric Corporation. 520,210, Jan. 24; Serial No. 553,211, published Oct. 4, 1949.
Fish bait, Artificial. A. Williams. 520,193, Jan. 24; Serial No. 549,101, published Oct. 4, 1949.
Fish hooks. Thomas Hemming & Son Limited. 520,202, Jan. 24; Serial No. 550,808, published Oct. 4, 1949.
Fish hooks and leaders. The H. & D. Folsom Arms Co. Inc. 520,192, Jan. 24; Serial No. 548,737, published Oct. 18, 1949.
Fish lures, Artificial. R. P. Schiffmann. 520,248, Jan. 24; Serial No. 560,067, published Oct. 4, 1949.
Fishing equipment. G. A. Cummins. 520,231, Jan. 24; Serial No. 556,873, published Oct. 4, 1949.
Fishing line. Ashaway Line & Twine Manufacturing Company. 520,128, Jan. 24; Serial No. 526,577, published Oct. 4, 1949.
Fishing line. The Enterprise Manufacturing Company. 520,172, Jan. 24; Serial No. 544,636, published Oct. 18, 1949.
Fishing reels. Langley Corporation. 443,705, Jan. 24; Serial No. 522,954, published Oct. 4, 1949.
Fishing reels. J. F. Heimesch. 520,127, Jan. 24; Serial No. 522,452, published Oct. 18, 1949.
Fishing rods, fishing reels, fishing lines, and artificial fish bait and lures. South Bend Bait Company. 520,150, Jan. 24; Serial No. 539,571, published Oct. 4, 1949.
Game. Parker Brothers, Inc. 520,270, Jan. 24; Serial No. 564,016, published Oct. 4, 1949.
Golf bags. Hughes-Consolidated, Inc. 520,268, Jan. 24; Serial No. 563,679, published Oct. 4, 1949.
Golf balls and tennis balls. Dunlop Tire and Rubber Corporation. 520,146, Jan. 24; Serial No. 538,109, published Oct. 4, 1949.
Minnows, Artificial. The Enterprise Manufacturing Company. 520,171, Jan. 24; Serial No. 544,635, published Oct. 18, 1949.
Pants, Football, football helmets, and ice hockey pants. Empire Sporting Goods Manufacturing Co., Inc. 419,079, Feb. 5, 1946. Republished Jan. 24.
Play desk. Production Enterprises, Inc. 520,215, Jan. 24; Serial No. 554,410, published Oct. 4, 1949.
Playing cards. The United States Playing Card Company. 520,153, Jan. 24; Serial No. 541,223, published Oct. 4, 1949.
Propellers for toy power driven airplane. R. J. Roberts. 520,124, Jan. 24; Serial No. 519,137, published Oct. 4, 1949.
Riding device, Carnival amusement. C-Cruise Corporation. 520,226, Jan. 24; Serial No. 555,989, published Oct. 4, 1949.
Skis. S. L. Allen & Co., Inc. 520,265, Jan. 24; Serial No. 562,236, published Oct. 18, 1949.
Skis and ski poles. A. G. Spalding & Bros. Inc. 520,318, Jan. 24; Serial No. 580,153, published Oct. 4, 1949.
Skis, ski poles, ski bindings, and metal edges. M. Eriksen. 520,198, Jan. 24; Serial No. 550,317, published Oct. 4, 1949.
Spool, Fishing leader line. Mar-O-Ble Manufacturing Company. 443,708, Jan. 24; Serial No. 526,266, published Oct. 18, 1949.
Sporting goods. New Process Company. 520,152, Jan. 24; Serial No. 540,095, published Oct. 4, 1949.
Tackle boxes. Stratton & Terstegge Company. 520,213, Jan. 24; Serial No. 553,650, published Oct. 4, 1949.
Tees for golf balls. R. W. Kerr Plastic Co. 520,177, Jan. 24; Serial No. 545,487, published Oct. 18, 1949.
Toy holsters and belts. Carnell Manufacturing Company, Inc. 520,201, Jan. 24; Serial No. 550,484, published Oct. 4, 1949.
Toy miniature hand operated phonographs and records for use therewith. I. Gold. 520,199, Jan. 24; Serial No. 550,320, published Oct. 4, 1949.
Toy push trucks, Children's. The Mablan Company. 443,699, Jan. 24; Serial No. 504,775, published Oct. 18, 1949.
Toy racing cars and toy internal combustion engines. Duro-Matic Products Company. 520,203, Jan. 24; Serial No. 550,902, published Oct. 4, 1949.
Toys. Midgage Models, Inc. 443,698, Jan. 24; Serial No. 504,123, published Oct. 4, 1949.
Toys, Mechanical. Unique Art Manufacturing Company, Inc. 520,190, Jan. 24; Serial No. 548,125, published Oct. 18, 1949.
Tricycles, scooters, pedal cars, Children's, etc. W. S. Moore. 520,233, Jan. 24; Serial No. 557,458, published Oct. 4, 1949.
Vehicles, Wheeled. D. P. Harris Hardware & Manufacturing Co., Inc. 520,133, Jan. 24; Serial No. 532,977, published Oct. 4, 1949.

CLASS 23

Adzes. The Warren Tool and Forge Co. 208,516, Feb. 2, 1926. Republished Jan. 24.
Bearings for machinery. Bohn Aluminum and Brass Corporation. 249,460, Nov. 13, 1928. Republished Jan. 24.
Chisels. The Warren Tool and Forge Co. 208,748, Feb. 9, 1926. Republished Jan. 24.
Mauls. The Warren Tool and Forge Co. 208,749, Feb. 9, 1926. Republished Jan. 24.
Tools. Syracuse Twist Drill Company, Inc. 74,395, renewed July 6, 1949. O. G. Jan. 24.
Tools, Stretching or tensioning, sealing tools, etc. Signode Steel Strapping Company. 516,385, Sept. 20, 1949. Corrected. O. G. Jan. 24.

CLASS 26

Copying and photographic papers, Light-sensitive. Kalle & Co. Aktiengesellschaft. 252,339, renewed Feb. 5, 1949. O. G. Jan. 24.
Photographic sensitised plates, photographic sensitised films, etc. I. G. Farbenindustrie Aktiengesellschaft. 248,773, renewed Oct. 30, 1948. O. G. Jan. 24.

CLASS 27

Clocks. The Revere Clock Company. 269,308, renewed Apr. 1, 1950. O. G. Jan. 24.
Clocks. Rexall Drug Company. 520,296, Jan. 24; Serial No. 573,572, published Oct. 25, 1949.
Springs, Watch and clock. M. J. Lampert & Sons, Inc. 520,314, Jan. 24; Serial No. 574,102, published Oct. 25, 1949.
Watch movements, S. Bruner, Inc. 253,391, renewed Feb. 26, 1949. O. G. Jan. 24.
Watch movements and wrist and pocket watches. Jean R. Graef, Inc. 520,288, Jan. 24; Serial No. 571,722, published Oct. 25, 1949.
Watches. B. Altman & Co. 520,317, Jan. 24; Serial No. 574,563, published Oct. 25, 1949.
Watches. F. Amstel. 520,287, Jan. 24; Serial No. 571,699, published Oct. 25, 1949.
Watches. Bulova Watch Company, Inc. 520,315, Jan. 24; Serial No. 574,406, published Oct. 25, 1949.
Watches. The Henri Stern Watch Agency, Inc. 520,291, Jan. 24; Serial No. 573,062, published Oct. 25, 1949.

Watches and clocks. Valjean Watch Co. 520,123, Jan. 24; Serial No. 518,575, published Oct. 25, 1949.
Watches and parts of watches. S. A. Mulco. 520,290, Jan. 24; Serial No. 572,677, published Oct. 25, 1949.
Watches and parts thereof. Gigantic S. A. 520,289, Jan. 24; Serial No. 572,560, published Oct. 25, 1949.
Watches and watch movements. Omodox Watch G. m. b. H. 520,312, Jan. 24; Serial No. 573,890, published Oct. 25, 1949.
Watches, watch-movements, and parts of watches. American Waltham Watch Company. 33,231–3, re-renewed July 18, 1949. O. G. Jan. 24.
Watches, watch-movements, and parts of watches. American Waltham Watch Company. 33,235, re-renewed July 18, 1949. O. G. Jan. 24.
Watches, watch movements, watch cases, etc. A. Thommen. 520,294–6, Jan. 24; Serial Nos. 573,511–12, published Oct. 25, 1949.
Watches, watch parts and movements, watch cases, etc. Hyde & Bate, Inc. 520,316, Jan. 24; Serial No. 574,433, published Oct. 25, 1949.

CLASS 28

Chains, Jewelry. Santa Fe Manufacturing Corp. 520,293, Jan. 24; Serial No. 573,201, published Oct. 25, 1949.
Earrings, Pearl, pearl brooches, strings of pearls, etc. Weinreich Brothers Company. 520,286, Jan. 24; Serial No. 570,341, published Oct. 25, 1949.
Flatware and hollow ware, Sterling silver. The Ellmore Silver Company, Inc. 520,292, Jan. 24; Serial No. 573,122, published Oct. 25, 1949.
Flatware, Sterling silver. The Ellmore Silver Company, Inc. 520,311, Jan. 24; Serial No. 573,714, published Oct. 25, 1949.
Flatware, Sterling silver. The Ellmore Silver Company, Inc. 520,313, Jan. 24; Serial No. 574,092, published Oct. 25, 1949.
Jewelry. Ringcraft, Incorporated. 520,120, Jan. 24; Serial No. 508,008, published Oct. 25, 1949.
Necklaces, Pearl, pearl earrings, pearl bracelets, etc. Weinreich Brothers Company. 520,232, Jan. 24; Serial No. 557,419, published Oct. 25, 1949.
Rings, Finger. Granat Bros., Inc. 520,162, Jan. 24; Serial No. 542,936, published Oct. 25, 1949.
Wristbands and bracelets. Bulova Watch Company, Inc. 520,297–8, Jan. 24; Serial Nos. 573,615–16, published Oct. 25, 1949.
Wristbands and bracelets. Bulova Watch Company, Inc. 520,299, Jan. 24; Serial No. 573,618, published Oct. 25, 1949.
Wristbands and bracelets. Bulova Watch Company, Inc. 520,300, Jan. 24; Serial No. 573,623, published Oct. 25, 1949.
Wristbands and bracelets. Bulova Watch Company, Inc. 520,301, Jan. 24; Serial No. 573,627, published Oct. 25, 1949.
Wristbands and bracelets. Bulova Watch Company, Inc. 520,302, Jan. 24; Serial No. 573,630, published Oct. 25, 1949.
Wristbands and bracelets. Bulova Watch Company, Inc. 520,303–5, Jan. 24; Serial Nos. 573,632–4, published Oct. 25, 1949.
Wristbands and bracelets. Bulova Watch Company, Inc. 520,306–10, Jan. 24; Serial Nos. 573,637–41, published Oct. 25, 1949.

CLASS 31

Cabinets, Refrigerated display, frozen food cabinets, and refrigerated storage lockers. The Bevco Company. 443,369, Sept. 13, 1949. Republished Jan. 24.

CLASS 34

Fixtures, Gas-lighting, and gas mantles. The Safety Car Heating & Lighting Company. 262,969, renewed Oct. 29, 1949. O. G. Jan. 24.

CLASS 35

Repair outfits, Portable tire and tube, rubber plugs, etc. The Goodyear Tire & Rubber Company. 266,927, renewed Feb. 11, 1950. O. G. Jan. 24.
Tires, Pneumatic and cushion. The Goodyear Tire & Rubber Company. 266,908, renewed Feb. 11, 1950. O. G. Jan. 24.
Tires, Pneumatic, cushion, and solid. The Goodyear Tire & Rubber Company. 266,932–3, renewed Feb. 11, 1950. O. G. Jan. 24.
Washers, Nonmetallic, faucet cushions, and nonmetallic bibb washers. J. A. Sexauer Mfg. Co., Inc. 268,242, renewed Mar. 11, 1950. O. G. Jan. 24.

CLASS 37

Paper, Bond. Legal Stationery Co., Inc. 313,888, June 12, 1934. Republished Jan. 24.
Paper, Parchment wrapping. The Paterson Parchment Paper Co. 269,397, renewed Apr. 8, 1950. O. G. Jan. 24.
Paper, Toilet. The Peerless Mfg. Co. 110,326, May 16, 1916. Republished Jan. 24.
Paper, Toilet. The Peerless Mfg. Company. 174,207, Oct. 9, 1923. Republished Jan. 24.
Paper, Toilet, and paper towels. The Peerless Paper Mills. 334,588, May 5, 1936. Republished Jan. 24.
Pens of all descriptions. British Pens Limited. 263,912, renewed Nov. 12, 1949. O. G. Jan. 24.

CLASS 38

Comic strips and newspaper columns. H. Carter. 520,223, Jan. 24; Serial No. 562,447.
Newspaper, Daily. New York American, Inc. 219,452, Oct. 19, 1926. Republished Jan. 24.
Newspaper, Daily. The Times Publishing Company. 219,611, Oct. 19, 1926. Republished Jan. 24.
Newspaper, Semi-weekly. Women's Wear Company. 520,322, Jan. 24; Serial No. 540,951.
Periodical. F. Kohler. 520,334, Jan. 24; Serial No. 564,880.
Periodical, Bi-monthly. Lionel Trading Co. Inc. 265,354, renewed Dec. 24, 1949. O. G. Jan. 24.
Publication. Minnesota Public Health Association. 269,164, renewed Mar. 25, 1950. O. G. Jan. 24.
Publication, Quarterly. Store Modernization Show, Inc. 520,332, Jan. 24; Serial No. 561,951.
Publication, Weekly periodical. American Lumberman, Inc. 520,336, Jan. 24; Serial No. 566,204.
Racing information or selection cards or sheets. H. Sopher. 520,320, Jan. 24; Serial No. 496,483.

CLASS 39

Belts, Garment. Krasnow Belt Co., Inc. 520,216, Jan. 24; Serial No. 554,501, published Oct. 18, 1949.
Belts, garters or hose supports, and suspenders or braces. Hickok Manufacturing Co. Inc. 520,185, Jan. 24; Serial No. 547,550, published Oct. 11, 1949.
Boots and shoes, Cloth and leather. The Florsheim Shoe Company. 520,165, Jan. 24; Serial No. 543,287, published Oct. 11, 1949.
Boots and shoes, Men's, women's, and children's. P. C. Wolfer. 520,221, Jan. 24; Serial No. 555,468, published Oct. 18, 1949.
Clothing, Men's. S. Ginsberg Sons. 520,142, Jan. 24; Serial No. 537,036, published Oct. 11, 1949.
Coats, Girls' and children's. Gastwirth Bros. 520,241, Jan. 24; Serial No. 558,485, published Oct. 4, 1949.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 520,181, Jan. 24; Serial No. 546,518, published Oct. 11, 1949.
Garments, Men's, women's, and children's outer. Forstmann Woolen Company. 520,220, Jan. 24; Serial No. 555,401, published Oct. 19, 1948.
Garments, Outer wash, and under wash garments. Everfast Fabrics, Inc. 520,180, Jan. 24; Serial No. 546,203, published July 5, 1949.
Gloves, Work, work shirts, denim jackets, etc. Gamble-Skogmo, Inc. 520,122, Jan. 24; Serial No. 511,995, published Oct. 11, 1949.
Hair nets. Marshall Field & Company. 161,557, Nov. 14, 1922. Republished Jan. 24.
Hats for women, untrimmed, Felt. Henry Pollak, Inc. 267,817, renewed Mar. 4, 1950. O. G. Jan. 24.
Hose, Men's, women's, and children's. Western Hosiery Company. 520,131, Jan. 24; Serial No. 529,946, published Oct. 11, 1949.
Hosiery. Bear Brand Hosiery Co. 262,695, renewed Oct. 22, 1949. O. G. Jan. 24.
Hosiery. Great American Knitting Mills, Inc. 520,321, Jan. 24; Serial No. 528,859.
Hosiery. M. K. M. Hosiery Mills, Inc. 520,182, Jan. 24; Serial No. 547,018, published Oct. 4, 1949.
Hosiery. Mutual Buying Syndicate, Inc. 520,196, Jan. 24; Serial No. 549,742, published Oct. 4, 1949.
Hosiery. Chester H. Roth Co., Inc. 520,214, Jan. 24; Serial No. 553,751, published Oct. 11, 1949.
Hosiery. Saks & Company. 520,224, Jan. 24; Serial No. 555,960, published Oct. 18, 1949.
Hosiery. The Wohl Shoe Company. 520,219, Jan. 24; Serial No. 555,138, published Oct. 18, 1949.
Hosiery, dresses, coats, suits, etc., for women and girls. Robin Redbreast Hosiery Company, Inc. 443,221, Aug. 16, 1949. Republished Jan. 24.
Hosiery, Women's. Dabby Hosiery Co. 520,266, Jan. 24; Serial No. 562,545, published Oct. 18, 1949.
Hosiery, Women's. Harry Sklaroff Sons, Inc. 520,264, Jan. 24; Serial No. 562,089, published Oct. 18, 1949.
Interliners for outdoor garments, Ready-made. Excel Garment Manufacturing Company. 443,707, Jan. 24; Serial No. 525,575, published Oct. 4, 1949.
Jackets, Satin. Tri Sportswear, Inc. 520,259, Jan. 24; Serial No. 561,274, published Oct. 11, 1949.
Jackets, Sport, and jackets of leather and of wool, sport shirts, etc. N. & W. Overall Co., Inc. 520,170, Jan. 24; Serial No. 544,098, published Oct. 18, 1949.
Pajamas, Men's, women's, boys', and girls'. A. Natelson. 520,227, Jan. 24; Serial No. 556,272, published Oct. 4, 1949.
Pajamas, pajama coats, beach coats, Men's, women's, and children's, etc. Kaylon Incorporated. 520,184, Jan. 24; Serial No. 547,347, published Oct. 11, 1949.
Pants, Football, football helmets, and ice hockey pants. Empire Sporting Goods Manufacturing Co., Inc. 419,079, Feb. 5, 1946. Republished Jan. 24.
Pants, slacks, knickers, shorts, overalls, Boys', juniors', and juvenile, etc. Kalamazoo Pant Company. 520,147, Jan. 24; Serial No. 538,548, published Oct. 4, 1949.
Raincoats. S. S. Pedlar. 520,200, Jan. 24; Serial No. 550,340, published Oct. 11, 1949.
Sacques, sweaters, caps, Infants' and children's, etc. S. Kaufman. 254,306, Mar. 19, 1929. Republished Jan. 24.
Shirt and jacket, Combination. David D. Doniger & Co. 381,709, Oct. 1, 1940. Corrected. O. G. Jan. 24.

Shirts and T shirts, Cotton knit athletic. Wright's Underwear Corporation. 520,197, Jan. 24; Serial No. 550,000, published Oct. 11, 1949.
Shirts, Dress, negligee, and work, pajamas, and men's underwear. The Enro Shirt Company. 520,328, Jan. 24; Serial No. 552,132.
Shirts, Dress, sport shirts, and sport collars. J. V. Cohn. 520,145, Jan. 24; Serial No. 538,099, published Oct. 4, 1949.
Shirts for men and boys, Outer. Arkwright, Incorporated. 520,269, Jan. 24; Serial No. 563,974, published Oct. 11, 1949.
Shoes. M. Beckerman & Sons, Inc. 520,252, Jan. 24; Serial No. 560,529, published Oct. 4, 1949.
Shoes. M. Beckerman & Sons, Inc. 520,253, Jan. 24; Serial No. 560,531, published Oct. 4, 1949.
Shoes. G. R. Kinney Co., Inc. 520,282, Jan. 24; Serial No. 567,262, published Oct. 18, 1949.
Shoes, Athletic. Brooks Shoe Manufacturing Company. 520,160, Jan. 24; Serial No. 542,437, published Oct. 4, 1949.
Shoes, Ladies' and misses'. Desco Shoe Corporation. 443,706, Jan. 24; Serial No. 524,118, published Oct. 4, 1949.
Shoes, Ladies' and misses'. Greogory & Read Co. 520,247, Jan. 24; Serial No. 559,703, published Oct. 11, 1949.
Shoes, Men's. French, Shriner & Urner Manufacturing Co. 520,234, Jan. 24; Serial No. 557,516, published Oct. 18, 1949.
Shoes, slippers, and moccasins, etc. Spencer Shoe Corporation. 520,207, Jan. 24; Serial No. 552,095, published Oct. 4, 1949.
Shoes, Women's. John Irving Shoe Corporation. 520,258, Jan. 24; Serial No. 561,244, published Oct. 18, 1949.
Shoes, Women's. Kimel Shoe Company, Inc. 520,230, Jan. 24; Serial No. 556,586, published Oct. 4, 1949.
Snow suits, Children's. J. N. Beenstock. 520,326, Jan. 24; Serial No. 551,435.
Soles and heels for boots and shoes. The Goodyear Tire & Rubber Company. 267,460, renewed Feb. 18, 1950. O. G. Jan. 24.
Suits and overcoats, Men's. The Dayton Company. 520,155, Jan. 24; Serial No. 542,101, published Oct. 18, 1949.
Suits and overcoats, Men's. The Dayton Company. 520,156, Jan. 24; Serial No. 542,102, published Oct. 18, 1949.
Suits and pants for boys and suits and sport dresses, shirts, shorts, etc., for girls. The Strouse-Baer Company. 334,605, May 5, 1936. Republished Jan. 24.
Suits, coats, overcoats, Men's and boys', etc. Hart Schaffner & Marx. 520,229, Jan. 24; Serial No. 556,336, Published Oct. 18, 1949.
Suits, coats, vests, Men's and Boys', etc. Louis Goldsmith, Inc. 520,149, Jan. 24; Serial No. 539,413, published Mar. 22, 1949.
Suits, dresses, coats, etc., Women's and children's. The Strouse-Baer Co. 112,329, Aug. 29, 1916. Republished Jan. 24.
Suits, jackets, vests, etc., Men's and boys'. John Crowther & Sons (Milnsbridge) Limited. 520,167, Jan. 24; Serial No. 543,692, published Oct. 18, 1949.
Suits, shirts, blouses, pants, Boys', etc. The Strouse-Baer Company. 333,997, Apr. 14, 1936. Republished Jan. 24.
Sweaters, Knitted pullover, vests and coats for use by men and boys. North American Knitting Co. 520,168, Jan. 24; Serial No. 543,982, published Oct. 11, 1949.
Undershirts and underdrawers. The B. V. D. Company. 77,436, re-renewed Apr. 12, 1950. O. G. Jan. 24.
Underwear. The Manhattan Shirt Company. 268,462, renewed Mar. 18, 1950. O. G. Jan. 24.
Wearing apparel. F. Hefti & Co. A. G. 520,138, Jan. 24; Serial No. 535,320, published Oct. 4, 1949.
Wearing apparel for women. Peck & Peck. 520,191, Jan. 24; Serial No. 548,686, published Oct. 11, 1949.

CLASS 40

Combs. Dr. Heinr. Traun & Söhne, Vormals Harburger Gummi-Kamm-Compagnie. 249,994, renewed Nov. 27, 1948. O. G. Jan. 24.

CLASS 42

Blankets. The Orr Felt & Blanket Company. 520,324, Jan. 24; Serial No. 546,235.
Piece goods, Silk. Fulton County Silk Mills. 263,139, renewed Oct. 29, 1949. O. G. Jan. 24.
Piece goods, Silk. Fulton County Silk Mills. 263,483, renewed Nov. 5, 1949. O. G. Jan. 24.
Suiting in the piece, Plain twist and fancy wool. M. M. Scher. 264,503, renewed Nov. 26, 1949. O. G. Jan. 24.

CLASS 44

Cotton, Nursery, and dental floss. The Kendall Company. 520,267, Jan. 24; Serial No. 563,123, published Oct. 25, 1949.
Heating pads, Therapeutic electrical. Electrical Industries, Inc. 520,121, Jan. 24; Serial No. 510,242, published Oct. 4, 1949.
Kit, Cold permanent wave. H. H. Tanner. 442,871, June 7, 1949. New Certificate. O. G. Jan. 24.
Respirators and resuscitators, Artificial. J. H. Emerson Company. 520,125, Jan. 24; Serial No. 521,511, published Oct. 4, 1949.
Supports, Abdominal. Ward Green Company. 520,148, Jan. 24; Serial No. 538,831, published Oct. 4, 1949.
Surgeons' gloves, clinical thermometers, paper mortuary gowns, etc. Meinecke & Company. 520,175, Jan. 24; Serial No. 545,021, published Oct. 4, 1949.
Surgical plasters and surgical dressings, Non-medicated. A. de St. Dalmas & Company Limited. 443,702, Jan. 24; Serial No. 510,002, published Oct. 4, 1949.
Teeth, Artificial. The Dentists' Supply Company of New York. 520,256, Jan. 24; Serial No. 560,869, published Oct. 25, 1949.
Therapeutic appliances. The Eureka Coppersmith and Plumbing Co., Inc. 520,235, Jan. 24; Serial No. 557,662, published Oct. 4, 1949.

CLASS 45

Apple cider. National Fruit Product Company, Inc. 121,723, May 21, 1918. Republished Jan. 24.
Beverages, Non-alcoholic, non-intoxicating, maltless non-cereal. A. Kickbusch Grocery Company. 139,827, Feb. 22, 1921. Republished Jan. 24.

CLASS 46

Canned fish. McGovern & McGovern. 268,805, renewed Mar. 18, 1950. O. G. Jan. 24.
Canned fruit and vegetables. Edgett-Burnham Company. 269,230, renewed Apr. 1, 1950. O. G. Jan. 24.
Canned fruit, canned vegetables, canned fish, etc. A. Moll Grocer Co. 77,430, re-renewed Apr. 12, 1950. O. G. Jan. 24.
Canned fruits and canned vegetables. Sunlit Fruit company. 75,883, re-renewed Nov. 23, 1949. O. G. Jan. 24.
Canned fruits, fruit jellies, fruit marmalades, etc. National Fruit Product Company, Inc. 316,305, Aug. 21, 1934. Republished Jan. 24.
Canned olives. La Mirada Olive Company. 390,164, Sept. 9, 1941. Republished Jan. 24.
Canned vegetables; canned fruits; canned corn syrup; etc. A. Kickbusch Grocery Company. 134,250, Aug. 24, 1920. Republished Jan. 24.
Cereal breakfast foods. Sperry Flour Co. 265,178, renewed Dec. 17, 1949. O. G. Jan. 24.
Coffee. A. Kickbusch Grocery Company. 123,908, Feb. 22, 1918. Republished Jan. 24.
Coffee, tea, and spices. Burch Coffee Co. 520,335, Jan. 24; Serial No. 565,040.
Feeds, Horse, poultry, dairy, and stock. Aubrey & Company. 264,615, renewed Nov. 26, 1949. O. G. Jan. 24.
Fish meats and sauces, Preserved. C. Osborn & Co. 264,158, renewed Nov. 19, 1949. O. G. Jan. 24.
Flour, Soft-wheat. Theo. Stivers Milling Company. 267,680, renewed Feb. 25, 1950. O. G. Jan. 24.
French dressing. Gleason's Catering Service. 520,325, Jan. 24; Serial No. 550,407.
Fruits, Fresh citrus. Glendora Lemon Growers Association. 213,904, June 8, 1926. Republished Jan. 24.
Fruits, Fresh citrus. W. N. Moore. 77,133, re-renewed Mar. 15, 1950. O. G. Jan. 24.
Fruits in the natural state. Acme Fruit Company. 266,648, renewed Jan. 28, 1950. O. G. Jan. 24.
Grapes, Fresh. Hall Packing Company. 520,327, Jan 24; Serial No. 551,450.
Hams, shoulders, bacon, frankfurters. Colonial Provision Co., Inc. 307,830, Nov. 7, 1933. Republished Jan. 24.
Ice-cream. Chapin-Sacks Mfg. Co. 75,599, re-renewed Oct. 26, 1949. O. G. Jan. 24.
Juices, Fruit and vegetable. National Fruit Product Company, Inc. 336,489, July 7, 1936. Republished Jan. 24.
Lemons, Fresh. Glendora Lemon Growers Association. 188,211–2, Aug. 19, 1924. Republished Jan. 24.
Lemons, Fresh. Glendora Lemon Growers Association. 196,915, Mar. 31, 1925. Republished Jan. 24.
Milk, Malted. Borden's Condensed Milk Company. 77,084, re-renewed Mar. 8, 1950. O. G. Jan. 24.
Rice. Louisiana State Rice Milling Company. 269,045, renewed Mar. 25, 1950. O. G. Jan. 24.
Sweetening agents for foods for diabetics. I. G. Farbenindustrie Aktiengesellschaft. 260,214, renewed Aug. 20, 1949. O. G. Jan. 24.

CLASS 47

Wines. Santa Lucia Wineries, Inc. 314,210, June 19, 1934. Republished Jan. 24.

CLASS 49

Brandy. Alta Winery & Distillery, Inc. 350,643, Oct. 5, 1937. New certificate. O. G. Jan. 24.
Whiskey. Geo. A. Dickel & Co. 44,513, July 11, 1905. Republished Jan. 24.
Whiskey. Geo. A. Dickel & Co. 44,785, July 25, 1905. Republished Jan. 24.

CLASS 50

Pennants and banners. Empire Emblem Company. 420,115, Mar. 26, 1946. Republished Jan. 24.

CLASS 51

Bath salts, bleaching compound, brilliantines, etc. Sargeant Arnold Pharmaceutical Co., Inc. 308,873, Dec. 26, 1933. Republished Jan. 24.

Facial creams. Elmo, Inc. 520,141, Jan. 24; Serial No. 537,028, published Oct. 18, 1949.
Perfume, toilet water, and cologne. E. Westall. 443,704, Jan. 24; Serial No. 522,364, published Oct. 18, 1949.
Perfumes. Actien-Gesellschaft für Anilin-Fabrikation. 33,153, re-renewed June 27, 1949. O. G. Jan. 24.
Rouge, face powder, liquid rouge, etc. Marinello Company. 262,835, renewed Oct. 29, 1949. O. G. Jan. 24.
Rouge, face powder, perfume, etc. L. Friedberg. 520,278, Jan. 24; Serial No. 566,703, published Oct. 4, 1949.
Skin and hair creams and shampoos. Duon, Inc. 520,271, Jan. 24; Serial No. 564,377, published Oct. 4, 1949.

CLASS 52

Chemical agent, Fuel oil sludge dispersing. E. F. Houghton & Co. 520,284, Jan. 24; Serial No. 569,068, published Oct. 4, 1949.
Chemical compounds for use as detergents, Soluble. The Cowles Detergent Company. 266,052, renewed Jan. 14, 1950. O. G. Jan. 24.
Cleaner, Bowl. The Lightnin Chemical Company. 268,237, renewed Mar. 11, 1950. O. G. Jan. 24.
Soap. Iowa Soap Company. 102,880, Feb. 23, 1915. Republished Jan. 24.
Soap. Iowa Soap Company. 148,091, Nov. 8, 1921. Republished Jan. 24.
Soap. Iowa Soap Company. 321,618, Feb. 5, 1935. Republished Jan. 24.
Soap. The Pioneer Products Co. 192,746, Dec. 9, 1924. Republished Jan. 24.
Soap, Toilet. Iowa Soap Company. 308,577, Dec. 12, 1933. Republished Jan. 24.
Soap, toilet, laundry soap and washing powder. Iowa Soap Company. 186,344, July 8, 1924. Republished Jan. 24.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 913, Jan. 24.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 914, Jan. 24.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 915, Jan. 24.

Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.

Pierson, A. N., Inc., assignee: *See*—
Pierson, Wallace R., Jr.

Pierson, Wallace R., Jr., assignor to A. N. Pierson, Inc., Cromwell, Conn. Rose plant. 916, Jan. 24.

LIST OF DESIGN PATENTEES

Abbott, Leonard E., Kalamazoo, Mich. Concrete burial vault closure. 156,930, Jan. 24.

Andresen, Raymond H., Chicago, Ill. Portable electric food mixer. 156,931, Jan. 24.

Backus, Standish, Jr.: *See*—
Knowles, Joseph E., Davis, and Backus.

Beghetti, Peter, San Francisco, Calif. Napkin holder. 156,932, Jan. 24.

Beghetti, Peter, San Francisco, Calif. Holder for napkins. 156,933, Jan. 24.

Bobenmyer, Corson E., assignee: *See*—
Kinne, Harold N.

Burgess, Edward A., Toronto, Ontario, Canada. Floor rack, display stand, or similar article. 156,934, Jan. 24.

Butterfield, Vernoid M.: *See*—
Polivka, John N., Scharfenberg, and Butterfield.

Carlson, Carl T., Iron Mountain, Mich. Folding chair. 156,935, Jan. 24.

Champion Products Company, assignee: *See*—
McMillan, John D.

Chavalas, William, assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Interior wall panel. 156,936, Jan. 24.

Clauss, Guido, Elizabethtown, Pa. Stocking. 156,937, Jan. 24.

Clauss, Guido, Elizabethtown, Pa. Stocking. 156,938, Jan. 24.

Clauss, Guido, Elizabethtown, Pa. Stocking. 156,939, Jan. 24.

Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 156,940, Jan. 24.

Continental Radiant Glass Heating Corporation, assignee: *See*—
Walker, George W.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Curtiss Candy Company, The, assignee: *See*—
Hassler, Winfield S.

Dabrowski, Alexandra A., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 156,941, Jan. 24.

Dabrowski, Alexandra A., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 156,942, Jan. 24.

Davis, Edmund A., Attleboro, Mass., assignor to E. E. Steckler, St. Martinville, La. Spoon or similar article. 156,943, Jan. 24.

Davis, Goode P.: *See*—
Knowles, Joseph E., Davis, and Backus.

De Vault, Ralph P., Arcadia, Calif. Vegetable cutter or similar article. 156,944, Jan. 24.

De Vilbiss Company, The, assignee: *See*—
Peeps, Donald J.

Dunbar, Oliver W.: *See*—
McCandless, Guy, and Dunbar.

Elisayeff, Arline A., New York, N. Y., and E. F. Loeschorn, Bogota, N. J., assignors, by mesne assignments, to Valcort Hosiery Corporation. Box cover or the like. 156,945, Jan. 24.

Farrell, Thomas, assignor to Starr Productions, Chicago, Ill. Fruit receptacle or similar article. 156,946, Jan. 24.

Faust, Joseph V., assignor to National Machine Company, St. Louis, Mo. Chair. 156,947, Jan. 24.

Fisher, Suzanne C., Flushing, N. Y. Tampon container. 156,948, Jan. 24.

Forman, Mack, Providence, R. I., assignor to Marathon Company. Combined cigarette case and lighter. 156,949, Jan. 24.

Formhals, Duchess E., Cleveland, Ohio. Holder for sewing accessories. 156,950, Jan. 24.

Fox West Coast Theatres Corporation, assignee: *See*—
Chavalas, William.

Ganser, Harry A., New York, N. Y., assignor to Plastic Jewel Co. Inc., West Orange, N. J. Dish or similar article. 156,951, Jan. 24.

General Mills, Inc., assignee: *See*—
Polivka, John N., Scharfenberg, and Butterfield.

Gill, Charles G., and E. F. Gill, Woburn, Mass. Finger ring. 156,952, Jan. 24.

Gill, Edward F.: *See*—
Gill, Charles G. and E. F.

Goetsch, Gerald L., Hartley, Iowa. Skirt and garment hanger. 156,953, Jan. 24.

Graves, Rodney E., Williams, Ariz. Hamburger mold or the like. 156,955, Jan. 24.

Gubernick, Charles, Brooklyn, N. Y. Brassière. 156,954, Jan. 24.

Hassler, Winfield S., assignor to The Curtiss Candy Company, Chicago, Ill. Display rack or similar article. 156,956, Jan. 24.

High, Fred R., assignor to T. J. Holmes C., Inc., Attleboro, Mass. Bottle. 156,957, Jan. 24.

Hoeft, Camille R., Los Angeles, Calif. Utensil rack. 156,958, Jan. 24.

Hofman, Emil, Newark, N. J. Heat applicator or similar article. 156,959, Jan. 24.

Holmes, T. J., Co., Inc., assignee: *See*—
High, Fred R.

Hout, Rush B., and C. V. Ufnal, Cherry Creek, N. Y. Enclosed knife holder. 156,960, Jan. 24.

Hvid, Rasmus M., Wilmette, assignor to Veed Corp., Chicago, Ill. Motorless dry shaver. 156,961, Jan. 24.

Hyman, Sidney, New York, N. Y. Handbag. 156,962, Jan. 24.

International Silver Company, The, assignee: *See*—
Conroy, Edward J.
Dabrowski, Alexandra A.

Johnson, August T., Winters, Calif. Putting game club head. 156,963, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,964, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,965, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,966, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,967, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,968, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,969, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,970, Jan. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 156,971, Jan. 24.

Kinne, Harold N., assignor to C. E. Bobenmyer, Peoria, Ill. Vending machine cabinet. 156,972, Jan. 24.

Kinne, Harold N., assignor to Corson E. Bobenmyer, Peoria, Ill. Vending machine cabinet. 156,973, Jan. 24.

Knickerbocker Smoking Pipe Co., Inc., assignee: *See*—
Lieber, Ben.

Knowles, Joseph E., Santa Barbara, Calif. Water color paintbox. 156,974, Jan. 24.

Knowles, Joseph E., G. P. Davis, and S. Backus, Jr., Santa Barbara, Calif. Water color palette. 156,975, Jan. 24.

Lawrence, Alexander, New York, N. Y. Grooming rack. 156,976, Jan. 24.

Layne, Ollyn A., South Pasadena, Calif. Griddle. 156,977, Jan. 24.

Lieber, Ben, assignor to Knickerbocker Smoking Pipe Co. Inc., Brooklyn, N. Y. Smoking pipe. 156,978, Jan. 24.

Lipshutz, Louis, New York, N. Y. Combined handbag and muff. 156,979, Jan. 24.

Loeschorn, Edward F.: *See*—
Elisayeff, Arline A., and Loeschorn.

Lundgren, Dorothe, Fontana, Calif. Game board. 156,980, Jan. 24.

Marathon Company, assignee: *See*—
Forman, Mack.

Markle, Willard G., New York, N. Y. Clip or similar article. 156,981, Jan. 24.

McCandless, Guy, and O. W. Dunbar, St. Louis, Mo. Child's amusement device. 156,982, Jan. 24.
McMillan, John D., assignor to Champion Products Company, Muskegon Heights, Mich. Fishing rod. 156,983, Jan. 24.
Meierjohan, Ernest, Cincinnati, Ohio. Fishing rod handle. 156,984, Jan. 24.
Moe Brothers Manufacturing Company, assignee: *See*— Sayers, Frederick, and Stevens.
Moffett, Frank W., Jr., Gates, N. Y. Edible dish. 156,985, Jan. 24.
Morris, Arthur, Beverly Hills, Calif. Hand lotion dispensing jar. 156,986, Jan. 24.
National Machine Company, assignee: *See*— Faust, Joseph V.
Newton, Robert E., San Francisco, Calif. Golf bag clip. 156,987, Jan. 24.
Paris, Frank, New York, N. Y. Doll's head or similar article. 156,988, Jan. 24.
Paris, Frank, New York, N. Y. Puppet head or similar article. 156,989, Jan. 24.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Air duster. 156,990, Jan. 24.
Perl, Frederick W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation. Laundry machine. 156,991, Jan. 24.
Perl, Frederick W., Mansfield, Ohio., assignor to Westinghouse Electric Corporation. Laundry machine. 156,992, Jan. 24.
Peterson Enterprises, Inc., assignee: *See*— Peterson, Robert A. M.
Peterson, Robert A. M., assignor to Peterson Enterprises, Inc., New York, N. Y. Portable drink dispenser. 156,993, Jan. 24.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 156,994, Jan. 24.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,995, Jan. 24.
Plastic Jewel Co. Inc., assignee: *See*— Ganser, Harry A.
Polivka, John N., G. T. Scharfenberg, and V. M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc. Toaster. 156,996, Jan. 24.
Polivka, John N., G. T. Scharfenberg, and V. M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc. Toaster casing section. 156,997, Jan. 24.
Polivka, John N., G. T. Scharfenberg, and V. M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc. Combination toaster support and carrying handle. 156,998, Jan. 24.
Pouliot, Paul, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Table lighter. 156,999, Jan. 24.
Presto Lighters Limited, assignee: *See*— Pouliot, Paul.
Rehns, Charles, New York, N. Y. Wall bracket. 157,000, Jan. 24.
Reinecke, Jean O., Chicago, Ill. Corn cob holder. 157,001, Jan. 24.
Sayers, Frederick, Fort Atkinson, and C. B. Stevens, Milwaukee, assignors to Moe Brothers Manufacturing Company; Fort Atkinson, Wis. Pressure cooker. 157,002, Jan. 24.
Scharfenberg, George T.: *See*— Polivka, John N., Scharfenberg, and Butterfield.
Schletter, Richard E., Oak Lane, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 157,003, Jan. 24.
Schletter, Richard E., Oak Lane, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 157,004, Jan. 24.
Schletter, Richard E., Oak Lane, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 157,005, Jan. 24.
Schubert, Edwin L., Philadelphia, Pa. Stocking. 157,006, Jan. 24.
Schubert, Edwin L., Philadelphia, Pa. Stocking. 157,007, Jan. 24.
Schuster, Charles, Philadelphia, Pa. Strapless slip. 157,008, Jan. 24.
Signature Hosiery Company, assignee: *See*— Schletter, Richard E.
Silson, Jack, New York, N. Y. Display card or the like. 157,009, Jan. 24.
Solotoy, Percy, Los Angeles, Calif. Panel. 157,010, Jan. 24.
Standard Cap and Seal Corporation, assignee: *See*— Zimmermann, Willy E.
Starr Productions, assignee: *See*— Farrell, Thomas.
Steckler, Edith E., assignee: *See*— Davis, Edmund A.
Stevens, Clifford B.: *See*— Sayers, Frederick, and Stevens.
Stough, Turney H., Jeannette, Pa. Candy containing musical toy. 157,011, Jan. 24.
Towler, Hazel B., El Segundo, Calif. Food cutter. 157,012, Jan. 24.
Trifari, Krussman & Fishel, Inc., assignee: *See*— Philippe, Alfred.
Ufnal, Casimir V.: *See*— Hont, Rush B., and Ufnal.
Uttz, William A., Fort Worth, Tex. Fisherman's utility tool. 157,013, Jan. 24.
Valcort Hosiery Corporation, assignee: *See*— Elisayeff, Arline A., and Loeschorn.
Veed Corp., assignee: *See*— Hvid, Rasmus M.
Walker, George W., Pleasant Ridge, Mich., assignor to Continental Radiant Glass Heating Corporation, New York, N. Y. Radiant heating panel for wall mounting. 157,014, Jan. 24.
Westinghouse Electric Corporation, assignee: *See*— Perl, Frederick W.
Wheeler, Earl A., Bakersfield, Calif., G. L. Wheeler, administratrix of said E. A. Wheeler, deceased. Towel rack. 157,015, Jan. 24.
Wheeler, Gertrude L., administratrix: *See*— Wheeler, Earl A.
Whitmer, Evelyn T., Phoenix, Ariz. Lamp shade. 157,016, Jan. 24.
Wolfe, Russell J., Buffalo, N. Y. Stocking stretcher. 157,017, Jan. 24.
Young, Stephen A., Delphi, Ind. Sink faucet shell. 157,018, Jan. 24.
Young, Stephen A., Delphi, Ind. Sink faucet shell. 157,019, Jan. 24.
Zimmermann, Willy E., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Vacuum packaging machine. 157,020, Jan. 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abramson, Milton, Minneapolis, Minn. Breast shield. 2,495,307, Jan. 24.
Adler, Henry, Brooklyn, N. Y. Drummer's practice device. 2,495,495, Jan. 24.
Agee, Charles A. T., Collingswood, N. J. Combined cigarette extinguisher and ash tray. 2,495,496, Jan. 24.
Ahlberg, Jacob E., and C. F. Hiskey, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Liquid stabilization of nickel catalysts. 2,495,497, Jan. 24.
Akers, Charles W., assignee: *See*— McIntosh, David O.
Aktiebolaget Johnson & Borsell, assignee: *See*— Lindmark, Johan G.
Aktiegesellschaft Fuer Technische Studien, assignee: *See*— Ruegg, Rudolf.
Salzmann, Fritz.
Alexanderson, Howard A., Wood Ridge, and H. A. Wheeler, Alwood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control mechanism for aircraft engines and superchargers. 2,495,564, Jan. 24.
Allard, Pierre J.-M. T., Chantilly, France. Water closet with auxiliary chamber for a cleaning brush. 2,495,498, Jan. 24.
Allen Organ Company, Inc., assignee: *See*— Markowitz, Jerome.
Allied Chemical & Dye Corporation, assignee: *See*— Gilbert, Everett E., and Weinberger.
American Can Company, assignee: *See*— Socke, John E.
American Seating Company, assignee: *See*— Ford, Wayne W.
American Steel Foundries, assignee: *See*— Cannon, Earl.
Cottrell, Robert B.
Amigone, Joseph N., Buffalo, N. Y. Gripper-type cork extractor. 2,495,308, Jan. 24.
Amon, William F., Jr., Boston, and E. R. Blout, assignors to Polaroid Corporation, Cambridge, Mass. Light filter transmitting infrared radiation and opaque to visible light. 2,495,499, Jan. 24.
Amon, William F., Jr., Boston, and E. R. Blout, assignors to Polaroid Corporation, Cambridge, Mass. Light filter opaque to visible light and transmitting infrared radiation. 2,495,500, Jan. 24.
Amp Corporation, assignee: *See*— Thompson, Parke H.
Amstutz, Walter R., assignor to Butler Brothers, Chicago, Ill. Food grinder having a split casing. 2,495,309, Jan. 24.
Ancet, Victor M. J., Lyons, France, assignor to Regina S. A., Tangiers, Morocco. Detecting caught threads in circular looms. 2,495,501, Jan. 24.
Anheuser, Alfred E., Milwaukee, Wis. Knife sharpener. 2,495,361, Jan. 24.
Annarilli, Mary P., Bridgeton, N. J. Confection stock. 2,495,217, Jan. 24.
Apple, Carl, Chicago, Ill. Mileage register. 2,495,502, Jan. 24.
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Pipe joint. 2,495,622, Jan. 24.
Arco Company, The, assignee: *See*— Kanning, Eugene W., Bobalek, and Hart.
Arends, Herman T., Highland Park, Mich. Magazine binder. 2,495,437, Jan. 24.
Armentrout, Frances D.: *See*— Westcott, Marion D., and Armentrout.
Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Compaction grader. 2,495,310, Jan. 24.
Armour and Company, assignee: *See*— Crews, Lowell T.
Armstrong Cork Company, assignee: *See*— Eaby, Le Roy.
Hayes, William.
Jones, Wendell W.
Navikas, Victor A.
Army, United States of America as represented by the Secretary of the, assignee: *See*— Milton, Clare L., Jr.
Arrow-Hart & Hegeman Electric Company, The, assignee: *See*— Schleicher, Harold E.
Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Section for stator cores for induction motors. 2,495,218, Jan. 24.
Ayers, Alvin D.: *See*— Longwell, Paul A., Ayers, and Sage.
Baker, John G., Evansville, Wis., assignor to United Aircraft Corporation, East Hartford, Conn. Centrifugally tuned lateral vibration absorber. 2,495,565, Jan. 24.
Baker, Vincent B.: *See*— Fisher, Martin H., and Baker.
Baldock, Harold: *See*— Scaife, Charles W.
Baldock, Herbert, legal representative: *See*— Scaife, Charles W., and Baldock.
Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Copolymeric siloxanes. 2,495,362, Jan. 24.
Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Ethylmethylpolysiloxanes. 2,495,363, Jan. 24.
Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom picking mechanism and shaft therefor. 2,495,503, Jan. 24.
Beaver, Richard C., Inglewood, Calif. Convection driven forced flow air heater. 2,495,311, Jan. 24.
Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional antenna system. 2,495,219, Jan. 24.
Beech Aircraft Corporation, assignee: *See*— Saunders, Richard E., and Johnston.
Behr, Siegfried, Flushing, N. Y. Hair ornament. 2,495,504, Jan. 24.
Béla, Gaspar: *See*— Jennen, Jacob J., and Michaelis.
Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing phosphate esters. 2,495,220, Jan. 24.
Bell Telephone Laboratories, Incorporated, assignee: *See*— Beck, Alfred C.
Morton, Edmund R.
Bella, Sam, Kankakee, Ill. Garbage receptacle. 2,495,505, Jan. 24.
Beltone Hearing Aid Co., assignee: *See*— Posen, Sam, and Hanson.
Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Plug connector. 2,495,623, Jan. 24.
Bendix Aviation Corporation, assignee: *See*— Alexanderson, Howard A., and Wheeler.
Digby, James J.
Parker, Leland C.
Tarter, Henry G.
Bentley Engineering Company Limited, The, assignee: *See*— Peberdy, Roland
Bentley, Harold P., and R. P. La Vonier, assignors to Bentley Welding, Inc., Syracuse, N. Y. Work manipulator. 2,495,438, Jan. 24.
Bentley Welding, Inc., assignee: *See*— Bentley, Harold P., and La Vonier.
Bentsen, William J., assignor to Solar Aircraft Company, San Diego, Calif. Making patterns for sheet stamping dies. 2,495,402, Jan. 24.
Berhenke, Luther F.: *See*— Britton, Edgar C., and Berhenke.
Berlin, Milton, Brooklyn, N. Y. Making cutting dies. 2,495,221, Jan. 24.
Bernards, Clarence L., San Leandro, R. and P. Bernards, Castro Valley, assignors to John M. Bernards & Sons, Inc., Ashland, Calif. Manufacturing frozen confections. 2,495,403, Jan. 24.
Bernards, John M., & Sons, Inc., assignee: *See*— Bernards, Clarence L., R. and P.
Bernards, Parley: *See*— Bernards, Clarence L., R. and P.
Bernards, Robert: *See*— Bernards, Clarence L., R. and P.
Berry, Robert U., East Orange, N. J., assignor to General Electric Company. Reversible regulating valve system. 2,495,228, Jan. 24.
Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Company, Sidney, Ohio. Power unit for machine tools. 2,495,312, Jan. 24.
Biedermann, Robert, assignor to J. R. Geigy A.-G. Basel, Switzerland. Alkoxyphenylalkyl-alkyl amines. 2,495,404, Jan. 24.
Bierig, Carl W., assignor to A. S. Morningstar, Joplin, Mo. Automatic clock calendar. 2,495,222, Jan. 24.
Bilger, Henry W.: *See*— Kroll, Alfred J., and Bilger.

Bishop, Robert H., Champaign, Ill. Refrigerator construction. 2,495,405, Jan. 24.

Blair, John M., Stillwater, Okla., and J. M. Hush, Lincoln, Nebr., assignors to The United States of America as represented by the United States Atomic Energy Commission. Coincidence proportional counter. 2,495,650, Jan. 24.

Blok, Henri, and H. A. Broos, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver with band-spread tunable circuits. 2,495,624, Jan. 24.

Blout, Elkan R.: *See*—
Amon, William F., Jr., and Blout.

Bludworth, Joseph E., and R. E. Meyer, Cumberland, Md., assignors to Celanese Corporation of America. Condensation of acrolein with monohydric saturated aliphatic alcohols. 2,495,313, Jan. 24.

Blum, Nevin J.: *See*—
Ferris, William P., and Blum.

Bobalek, Edward G.: *See*—
Kanning, Eugene W., Bobalek, and Hart.

Bock, Michael H.: *See*—
Lutts, Carlton G., Hickey, and Bock, II.

Bodinus, William S., Chicago, Ill., assignor to Carrier Corporation, Syracuse, N. Y. Wort processing. 2,495,625, Jan. 24.

Bodlander, Hans, Forest Hills, N. Y. Camera and folding lens mount therefor. 2,495,223, Jan. 24.

Bolander, Hans, Forest Hills, N. Y. Camera and sliding plate shutter therefor. 2,495,224, Jan. 24.

Bomford, Douglas R.: *See*—
McConnel, Frederic W., and Bomford.

Booth, Joseph S., Fort Worth, Tex. Two-temperature refrigerator. 2,495,626, Jan. 24.

Borg, George W., Corporation, The, assignee: *See*—
Gibbs, Thomas B., Gilman, and Laing.

Bovey, Donald E., West Albany, N. Y., assignor to General Electric Company. Sorting metallic articles. 2,495,627, Jan. 24.

Boyer, Elizabeth M., executrix: *See*—
Boyer, Hugh N.

Boyer, Hugh N., Canfield, Ohio; E. M. Boyer, executrix of said H. N. Boyer, deceased. Pruning shears. 2,495,677, Jan. 24.

Boynton, Earl S.: *See*—
O'Brien, Joseph F., and Boynton.

Bramley, Arthur, Long Branch, and C. E. Swanson, North Arlington, N. J., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Method and apparatus for removing burns from cathode-ray tubes. 2,495,203. Jan. 24.

Brandenburg, Stanley A.: *See*—
Bickel, Clifford A., Brandenburg, and Foster.

Brannen, Paul M., Duquesne, assignor to The Union Switch & Signal Company, Swissvale, Pa. Switch control and indication system. 2,495,204, Jan. 24.

Briam Industrial Corporation, assignee: *See*—
Eliason, Axel.

Brimble, Neville B., Houston, Tex. Side wall sample taker. 2,495,439, Jan. 24.

Britton, Edgar C., and L. F. Berhenke, assignors to The Dow Chemical Company, Midland, Mich. Dichloroacetic acid purification. 2,495,440, Jan. 24.

Broos, Henricus A.: *See*—
Blok, Henri, and Broos.

Brown, James S., assignor to Douglas Fraser & Sons Limited, Arbroath, Scotland. Sliver roll forming machine. 2,495,205, Jan. 24.

Brown, Robert E.: *See*—
Hansen, Asger, Sr., and Brown.

Broyles, Otis T., Houston, Tex. Automatic safety valve assembly. 2,495,628, Jan. 24.

Brubaker, Merlin M., Chadds Ford, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Interpolymers of carbon monoxide and preparing the same. 2,495,286, Jan. 24.

Brus, Emile P., Kansas City, Mo. Electrical plug. 2,495,206, Jan. 24.

Buchanan, Michael K., Norfolk, Va. Ice tray. 2,495,506, Jan. 24.

Buehl, Russell C., Edgewood, J. P. Riott, and E. P. Shoub, Pittsburgh, Pa. Production of low sulfur sponge iron. 2,495,225, Jan. 24.

Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhausser.

Burt, F. N., Company, Inc., assignee: *See*—
Wells, William J.

Buscher, Harold K., and O. Z. Whitenack, Indianapolis, Ind. Diameter gauge for small bores. 2,495,406, Jan. 24.

Butcosk, Richard A., Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. High-temperature ball-bearing grease. 2,495,651, Jan. 24.

Butler Brothers, assignee: *See*—
Amstutz, Walter R.

Caldwell, Walter A., West Kilbride, and J. Jack, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited. Production of insolubilised filamentary products by the wet spinning of protein solutions. 2,495,566, Jan. 24.

Caldwell, William L., assignor to Taylor Instrument Companies, Rochester, N. Y. Bourdon spring and load element. 2,495,314, Jan. 24.

Campbell, Albert B., Chicago, Ill., assignor to Campbell Products Co. Lather producing machine. 2,495,441, Jan. 24.

Campbell Products Co., assignee: *See*—
Campbell, Albert B.

Canady, Don, Cleveland, Ohio. Film transmission mechanism. 2,495,442. Jan. 24.

Cannon, Earl, Downers Grove, assignor to American Steel Foundries, Chicago, Ill. Fluid apparatus. 2,495,669, Jan. 24.

Cannon, Earl, Downers Grove, and E. J. Lukes, Brookfield, assignors to American Steel Foundries, Chicago, Ill. Fluid apparatus. 2,495,670, Jan. 24.

Carmack, Marvin, Swarthmore, Pa., and De Los F. De Tar, Buffalo, N. Y., assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of acid derivatives from unsaturated compounds. 2,495,567, Jan. 24.

Carr, George E., Monongahela, Pa.; V. Carr, administratrix of said G. E. Carr, deceased, assignor to V. V. Carr, Princeton, W. Va. Display pedestal. 2,495,315, Jan. 24.

Carr, Verda V., assignee: *See*—
Carr, George E.

Carrier Corporation, assignee: *See*—
Bodinus, William S.

Carter Carburetor Corporation, assignee: *See*—
Magowan, Thomas R.

Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Label affixing machine. 2,495,207, Jan. 24.

Castellano, Joseph P., Brooklyn, assignor to Norman Nelson Corp., New York, N. Y. Switch for flash attachments. 2,495,443, Jan. 24.

Causer, Herbert W., Weymouth, assignor to Factory Mutual Research Corporation, Boston, Mass. Fog producing spray nozzle. 2,495,208, Jan. 24.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., and Meyer.
Kotzebue, Meinhard H.

Cellwork, William E., Kansas City, assignor to Standard Steel Work, North Kansas City, Mo. Apparatus for dispensing viscose fluids. 2,495,671, Jan. 24.

Central Foundry Company, The, assignee: *See*—
Nolan, John J., Jr.

Chamberlain, Paul A., Chicago, and C. Navratil, Elmwood Park, Ill., assignors to Willard E. Romoser, Benton Harbor, Mich. Adjustable golf club. 2,495,444, Jan. 24.

Chandler & Price Company, The, assignee: *See*—
Jirousek, Joseph F.

Chapman, James, Halewood, and R. Roberts, Saint Helens, England, assignors to Imperial Chemical Industries Limited. Production of organic fluorine compounds. 2,495,407, Jan. 24.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Zinc electroplating. 2,495,629, Jan. 24.

Chilo, Paul, Chicago, Ill. Lamp shade holder. 2,495,209, Jan. 24.

Chirstoffersen, Elvind B., Ogema, Wis. Putlog supporting clip. 2,495,408, Jan. 24.

Ciba Limited, assignee: *See*—
Felix, Friedrich, Heckendorn, Reich and Oesterlein.

Ciro Cameras, Inc., assignee: *See*—
Stahl, Rodolphe.

Clapp, William H., Pasadena, Calif. Controlling bit action. 2,495,364, Jan. 24.

Clark, David M., Worcester, Mass., and E. H. Wood, Rochester, Minn. said Wood assignor to said Clark. Garment or attachment for controlling the distribution, pressure and circulation of body fluids. 2,495,316, Jan. 24.

Clark, Robert H., Solon, assignor to The Warner & Swasey Company, Cleveland, Ohio. Electric motor stopping control. 2,495,507. Jan. 24.

Clarke, John E.: *See*—
Peterson, Robert A., Heckle, and Clarke.

Clayton Manufacturing Company, assignee: *See*—
Griswold, Donald G.

Cleaver, Katherine, Indianapolis, Ind., assignor to Continental Optical Company, Inc., Rochester, N. Y. Detachable ornamental spectacle frame. 2,495,508, Jan. 24

Clements, James E.: *See*—
Eisenberg, Mann, and Clements, and Druck.

Coburn, William K., Cambridge, assignor to Serdex, Inc., Boston, Mass. Chronometric recorder. 2,495,652, Jan. 24.

Coel, Leo, New York, N. Y., assignor to Holland-Rantos Company, Inc. Clinical model. 2,495,568, Jan. 24.

Cohn, Irwin, Leominster, Mass. Musical pinwheel. 2,495,365. Jan. 24.

Colombu, Eugéne: *See*—
Pierrat, Paul, and Colombu.

Combustion Control Corporation, assignee: *See*—
Hamilton, James C.

Combustion Engineering-Superheater Inc., assignee: *See*—
Gagliardi, Emilio A. J., Mellor and Hamm.

Compagnie Francaise de Raffinage (Societe Anonyme), assignee: *See*—
Gislon, Andre.

Comptoir des Textiles Artificiels, assignee: *See*—
Drisch, Nicolas, and Fays.

Conmar Products Corporation, assignee: *See*—
Natzler, Paul, and Scheuermann.

Conrad, John Francis, Ebensburg, Pa. Trolley section switch. 2,495,569, Jan. 24.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Hoeltzel, Orval R., Saville, and Larson.

Continental Optical Company, Inc., assignee: *See*—
Cleaver, Katherine.

Coolerator Company, The, assignee: *See*—
Frykdahl, Carl Edward Harry.

Cooper, Harry A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Trunk lock. 2,495,287, Jan. 24.

Copping, Bruce G., Fulton County, Ga. Automatic valve for dispensing and proportioning sirup and carbonated water. 2,495,210, Jan. 24.

Costello, Francis G., Los Angeles, Calif. Nut for lead screws. 2,495,409, Jan. 24.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck arrangement. 2,495,570, Jan. 24.

Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Automatically reversible regulating valve. 2,495,226, Jan. 24.

Creighton, Martha Mabel: *See*—
Fox, Herman H. and Creighton.

Crenshaw, William F., Lafayette, La. Double piston valveless pump or engine. 2,495,445, Jan. 24.

Cressey, Steve E., San Pedro, Calif. Undercutting drill. 2,495,509, Jan. 24.

Crews, Lowell T., assignor to Armour and Company, Chicago, Ill. Cyanoether esters of dihydric alcohols. 2,495,214, Jan. 24.

Crimora Research and Development Corporation, assignee: *See*—
Jacobs, James H.

Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.

Cuno Engineering Corporation, The, assignee: *See*—
Kroll, Alfred J., and Bilger.

Curtis, Harold B., Lake Forest, Ill. Star finder. 2,495,211, Jan. 24.

Cutler-Hammer, Inc., assignee: *See*—
Jochem, Theodore B., Seeger, and Severson.
Kuhn, Clarence W., and Seeger.

Cutting Room Appliances Corporation, assignee: *See*—
Gilbert, Herman Walter.

Danciger Oil & Refining Company, assignee: *See*—
Spring, Otto.

Dautrick, Owen L., assignor of one-half to Stewart J. Dautrick, Detroit, Mich., said Stewart J. Dautrick, executor of said Owen L. Dautrick, deceased, assignor to Robert H. Wendt, Chicago, Ill. Garage door. 2,495,672, Jan. 24.

Dautrick, Stewart J., assignee, executor: *See*—
Dautrick, Owen L.

Davis, George C., Oak Park, assignor to Davis Regulator Company, Chicago, Ill. Pump system and control. 2,495,571, Jan. 24.

Davis Regulator Company, assignee: *See*—
Davis, George C.

Dawsey, Lynn H., R. R. Umhoefer, and C. K. Muehlhausser, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Production of tetrahydroanthraquinones. 2,495,229, Jan. 24.

Day, William M., Salisbury, Md., and R. L. Fryer, Jr., Washington, D. C. Container with capillary controlled dispensing means. 2,495,230, Jan. 24.

De Calignon, Philippe: *See*—
Urison, Jacques, de Calignon, and Pingard.

Deere Manufacturing Co., assignee: *See*—
Worthington, Wayne H.

De Gramont de Guiche, H. A. A. Antoine, assignors to Optique et Precision de Levallois, Levallois-Perret, France. Enlarging easel supporting means. 2,95,510, Jan. 24.

Demmer, Edward U., assignee: *See*—
Elliott, Gordon R.

De Tar, De Los F.: *See*—
Carmack, Marvin, and De Tar.

Deutsch, Walter H., Seattle, Wash. Jiffy slip fishing sinker. 2,95,572, Jan. 24.

De Vries, Abraham and L., Amsterdam, Netherlands. Method and device for making biased spiral wound tension springs. 2,495,212, Jan. 24.

De Vries, Louis: *See*—
De Vries, Abraham and L.

Dickey, Thomas A., United States Navy. Antidetonant flow control system. 2,495,231, Jan. 24.

Digby, James J., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter drive. 2,95,653, Jan. 24.

Dill Manufacturing Company, The, assignee: *See*—
Waid, George R.

Dolberg, Charles E., assignor by mesne assignments, to Philco Corporation, Philadelphia, Pa. Twin-T network and selective amplifier filter. 2,495,511, Jan. 24.

Dominguez, Rafael, assignee: *See*—
Hrabal, Eduard.

Dorbec, Lucien, assignor to Societe Anonyme de Telecommunications, Paris, France. Harmonics generator. 2,495,317, Jan. 24.

Dorfan, Morton I., Pittsburg, Pa. Bubble tower. 2,495,512, Jan. 24.

Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Electrically insulated conductor and producing same. 2,495,630, Jan. 24.

Douglas Fraser & Sons Limited, assignee: *See*—
Brown, James S.

Dow Chemical Company, The, assignee: *See*—
Britton, Edgar C., and Berhenke.
Miller, Herman H.
Smith, Ralph H.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J., and Gilkey.

Dowlais Hosiery Mills Limited, assignee: *See*—
Edwards, Aubrey G., Hooper, and White.

Doyle, Charles C., Willoughby, Ohio. Electric (infrared) heating appliance. 2,495,513, Jan. 24.

Drisch, Nicolas, and R. Fays, Paris, France, assignors to Comptoir des Textiles Artificiels. Cellulose derivatives and preparing same. 2,495,232, Jan. 24.

Drisch, Nicolas, and R. Fays, Paris, France, assignors to Comptoir des Textiles Artificiels. Treating cellulose materials with trimethylolphenol. 2,495,233, Jan. 24.

Drisch, Nicolas, and R. Fays, Paris, France, assignors to Comptoir des Textiles Artificiels. Treating cellulosic materials with trimethylolphenol. 2,495,234, Jan. 24.

Drisch, Nicolas, Paris, and R. Fays, Maisons-Lafitte, France, assignors to Comptoir des Textiles Artificiels. Treating cellulose. 2,495,239, Jan. 24.

Druck, Charles: *See*—
Eisenberg, Manny, Clements, and Druck.

Drum, Joseph M., Pittsburgh, Pa. Flushing valve apparatus. 2,495,213, Jan. 24.

Ducheane, Earl L., Philadelphia, Pa. Stem lock for dial gauges. 2,495,240, Jan. 24.

Duke, Samuel, Chicago, Ill. Motor attachment for wheel chairs. 2,495,573, Jan. 24.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Brubaker, Merlin M.
Hoehm, Harvey H.
Littler, Clarence A.
Pinkney, Paul S.
Scott, Samuel L.
Wertz, James H.

Dyson, Eugene E., and W. H. McCormick, New Britain, Conn. Rethreader. 2,495,318, Jan. 24.

Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Mixing apparatus. 2,495,241, Jan. 24.

Eastman Kodak Company, assignee: *See*—
Bell, Alan.

Economic Machinery Company, assignee: *See*—
Carter, Sidney T.

Edmonstone, William M., Hyde Park, Mass. Insect exterminating device. 2,495,366, Jan. 24.

Edmonstone, William M., Hyde Park, Mass. Insect exterminating device. 2,495,367, Jan. 24.

Edwards, Aubrey G., G. Uchaf, M. Tydfil, H. Hooper, and J. C. White, Baldock, assignors to Dowlais Hosiery Mills Limited, Dowlais, England. Welt-turning apparatus in straight bar knitting machines. 2,495,574, Jan. 24.

Egli, Karl, San Francisco, Calif. Thread-cutting toolholder. 2,495,368, Jan. 24.

Eisenberg, Bernard C., Brooklyn, N. Y. Button dipping and drying machine. 2,495,446, Jan. 24.

Eisenberg, Manny, and J. E. Clements, Bronx, and C. Druck, Long Beach, N. Y. Adjustable cornice and bracket. 2,495,514, Jan. 24.

Ekstrom, Earl A.: *See*—
Gregson, Oswald W., and Ekstrom.

Electric Heat Devices, Inc., assignee: *See*—
Herrington, Lovic P.

Electra-Voice, Incorporated, assignee: *See*—
Lewis, Fred S.

Eliason, Axel, deceased, by E. E. Eliason, administratrix, Whitestone, assignor to Briam Industrial Corporation, New York, N. Y. Automatic vending machine. 2,495,576, Jan. 24.

Eliason, Esther E., administratrix: *See*—
Eliason, Axel.

Elkies, Harry, Brooklyn, N. Y., assignor to Gemsco Inc. Military ribbon bar. 2,495,577, Jan. 24.

Ellern, Herbert, assignor to Universal Match Corporation, St. Louis, Mo. Methods and materials for stiffening paper match splints. 2,496,575, Jan. 24.

Elliott Company, assignee: *See*—
Roberts, Irving.

Elliott, Gordon R., Ferndale, Mich., assignor to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Power chamber. 2,495,369, Jan. 24.

Ellis, David G.: *See*—
Willson, Karl S., and Ellis.

Erwin, Ransome W., Tyler, assignor to Salt Water Control, Inc., Fort Worth, Tex. Tritube heating element. 2,495,673, Jan. 24.

Euclid Road Machinery Co., The, assignee: *See*—
Armington, Raymond Q.

Factory Mutual Research Corporation, assignee: *See*—
Causer, Herbert W.

Falk, Charles T., and J. M., Kansas City, Mo. Motor truck body. 2,495,447, Jan. 24.

Falk, Joseph M.: *See*—
Falk, Charles T. and J. M.

Fallon, John, Smethwick, England. Furnace conveyer. 2,495,578, Jan. 24.

Faximile, Inc., assignee: *See*—
Long, John H.

Fays, René: *See*—
Drisch, Nicolas, and Fays.

Fehr, Paul, assignor to Landis & Gyr, A. G., Zug, Switzerland. Response counter for totalizing current surges of varying magnitudes. 2,495,448, Jan. 24.

Felix, Friedrich, and A. Heckendorn, Basel, E. Reich, Neue Welt, and F. Oesterlein, assignors to Ciba Limited, Basel, Switzerland. Esterlike derivatives of azo dyestuffs. 2,495,243, Jan. 24.

Felix, Friedrich, and A. Heckendorn, Basel, E. Reich, Neue Welt, and F. Oesterlein, assignors to Ciba Limited, Basel, Switzerland. Ester-like derivatives of azo dyestuffs. 2,495,244, Jan. 24.

Ferdinand, Georges: *See*—
Quercia, Marcel, and Ferdinand.

Ferris, William P., and N. J. Blum, York, Pa., assignors, by mesne assignments, to K. Wihtol, Middletown, N. J., trading as Wihtol Industries. Hydraulic pump. 2,495,319, Jan. 24.

Ferris, William T., and F. J. Klancnik, Jr., Chicago, Ill. Antenna. 2,495,579, Jan. 24.

Field, Jacob M., Brooklyn, N. Y. Hair remover. 2,495,370, Jan. 24.

Film 'N File Inc., assignee: *See*—
Langan, John F.

First Industrial Corporation, assignee: *See*—
Rohr, Robert D.

Fisher, Martin H., and V. B. Baker, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Core type reel drive. 2,495,245, Jan. 24.

Fisher, Plus A., Kansas City, Mo., and E. T. Shea, Kansas City, Kans. Cotton waste retainer for railway journal boxes. 2,495,410, Jan. 24.

Fitzwilliam, James W.: *See*—
Wyckoff, Ralph D., Fitzwilliam, and Salvetti.

Foley, Jerald E., assignor to Packard Motor Car Company, Detroit, Mich. Transmission control means. 2,495,515, Jan. 24.

Ford, Wayne W., assignor to American Seating Company, Grand Rapids, Mich. Chair back structure. 2,495,654, Jan. 24.

Foster, Sidney, Leamington Spa, England. Side load relieving device for telescopic piston and cylinder units. 2,495,516, Jan. 24.

Foster, Theodore: *See*—
Bickel, Clifford A., Brandenburg, and Foster.

Fox, Herman H., Passaic, and M. M. Creighton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparing sodium l-ascorbate. 2,495,246, Jan. 24.

Francis, Gerald C., Lansing, Mich. Latching means for trailers. 2,495,449, Jan. 24.

Franck, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire for surgical lighting. 2,495,320, Jan. 24.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Reciprocating contact switch. 2,496,282, Jan. 24.

Friberg, Wallace H.: *See*—
Hunter, Robert H., and Friberg.

Friedberg, Milton R., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Mount for fixed length automobile antenna. 2,495,517, Jan. 24.

Friedrich, Ed, Inc., assignee: *See*—
Hardin, Hubert.
Spangler, George E.

Friedman, Maurice, Ossining, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Terminal construction for primary cells. 2,495,247, Jan. 24.

Frost, Edgar D., Coventry, assignor to Humber Limited, Stoke, Coventry, England. Synchromesh change-speed gearing. 2,495,411, Jan. 24.

Fryer, Ross L., Jr.: *See*—
Day, William M.

Frykdahl, Carl E. H., St. Louis, assignor to The Coolerator Company, Duluth, Minn. Hinge. 2,495,371, Jan. 24.

Gabriel Company, The, assignee: *See*—
Friedberg, Milton R.

Gagliardi, Emilio A. J., and C. Mellor, Buenos Aires, Argentina, and A. L. Hamm, New York, N. Y., said Hamm assignor to Combustion Engineering-Superheater Inc. Smelting process of recovering chemicals from the black liquor derived in pulp mills. 2,495,248, Jan. 24.

Galion Iron Works & Manufacturing Company, The, assignee: *See*—
Wright, Fred J.

Gall, Bernardus O. M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Indirectly heated cathode. 2,495,580, Jan. 24.

Gates Rubber Company, assignee: *See*—
Kessler, David L.

Gelgy, J. R., A.-G., assignee: *See*—
Biedermann, Robert.

Gemsco Inc., assignee: *See*—
Elkies, Harry.

General Electric Company, assignee: *See*—
Berry, Robert U.
Bovey, Donald E.
Crago, Harry R.
Hayward, Claude D.
Lum, Walter O.
Miller, Homer H.
Newell, Heber L.

General Mills, Inc., assignee: *See*—
Aske, Leonard E.

Gerendás, Mihály: *See*—
Szent-Gyorgyi, Albert, Laki, and Gerendás.

Geuder, Paeschke & Frey Co., The, assignee: *See*—
Mueller, Lloyd R.

Gibbs, George W., Jacksonville, Fla. Frictional reversible transmission mechanism. 2,495,518, Jan. 24.

Gibbs, Thomas B., Delavan, G. W. Gilman, Janesville, and G. F. Laing, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Variable resistor. 2,495,321, Jan. 24.

Gilbert, Everett E., New York, and H. Weinberger, Brooklyn, N. Y., assignors to Allied Chemical & Dye Corporation. Producing metal nitrodithioacetates. 2,495,322, Jan. 24.

Gilbert, Herman W., assignor to Cutting Room Appliances Corporation, New York, N. Y. Stopping movement of electrically operated cloth laying machines. 2,495,249, Jan. 24.

Gilkey, John W.: *See*—
Barry, Arthur J., and Gilkey.

Gilly, William O., El Cerrito, Calif. Worktable with rotary and tilting adjustments. 2,495,250, Jan. 24.

Gilman, George W.: *See*—
Gibbs, Thomas B., Gilman, and Laing.

Girard, Dean C., San Leandro, Calif., assignor, by mesne assignments, to National Cylinder Gas Company. Alternating current circuit involving rectification. 2,495,655, Jan. 24.

Gislon, André, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Alkylation process. 2,495,323, Jan. 24.

Gladstone, William D., New York, N. Y. Musical tone modifier. 2,495,450, Jan. 24.

Gladstone, William D., New York, N. Y. Tone modifier for drums. 2,495,451, Jan. 24.

Goldberg, Harry, assignor to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Reel and cutter blade for lawn mowers. 2,495,372, Jan. 24.

Good, George M.: *See*—
Voge, Hervey H., Good, and Greensfelder.

Goodrich, B. H., Company, The, assignee: *See*—
Loweke, Erwin F.

Gouge, Arthur, Osborne, East Cowes, Isle of Wight, England, assignor to Saunders Engineering and Shipyard Limited, Fryars, Beaumaris, Anglesey, North Wales. Collapsible pontoon. 2,495,412, Jan. 24.

Grant, William H.: *See*—
Macklin, Justin W., and Grant.

Grede Foundries, Inc., assignee: *See*—
Kreulen, Herman P.

Greensfelder, Bernard S.: *See*—
Voge, Hervey H., Good, and Greensfelder.

Gregson, Oswald W., and E. A. Ekstrom, Saugus, Mass. Making display cutouts. 2,495,519, Jan. 24.

Grimm, George E., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,495,520, Jan. 24.

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Fluid pressure operated valve. 2,495,324, Jan. 24.

Grove, Howard G., Los Angeles, assignor of one-half to Mobile Communication Company, Long Beach, and one-half to West Coast Electronics Company, Los Angeles, Calif. Communication system. 2,495,452, Jan. 24.

Grunt, Max, Newark, N. J. Fitting for connecting tubes and pipes to tanks. 2,495,373, Jan. 24.

Gulf Research & Development Company, assignee: *See*—
Stevens, Donald R.
Wyckoff, Ralph D., Fitzwilliam, and Salvetti.

Hall, Sherwood C., Kings Beach, Calif. Ribbon type stranding machine. 2,495,251, Jan. 24.

Hamilton, James C., Lexington, assignor to Combustion Control Corporation, Cambridge, Mass. Electromagnetic relay. 2,495,325, Jan. 24.

Hamm, Alexander L.: *See*—
Gagliardi, Emilio A. J., Mellor, and Hamm.

Hammond Instrument Company, assignee: *See*—
Hanert, John M.

Hammond, Owen E., Belvidere, Ill. Pencil sharpener. 2,495,631, Jan. 24.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical transmission system for musical instruments. 2,495,581, Jan. 24.

Hannifin Corporation, assignee: *See*—
Peterson, Victor W., and Maha.

Hannion, Marcel, and I. Seriabine, Lyons, assignors, by mesne assignments, to Societa des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of hydroquinone. 2,495,521, Jan. 24.

Hansell, Grant E., Riverhead, N. Y., assignor to Radio Corporation of America. Tuning indicator and tuning control. 2,495,326, Jan. 24.

Hansen, Asger, Sr., and R. R. Brown, Houston, Tex. Insulator. 2,495,252, Jan. 24.

Hansen, Einar M. and J. E., Jersey City, N. J. Radio and record player chassis support. 2,495,682, Jan. 24.

Hansen, John E.: *See*—
Hansen, Einar M. and J. E.

Hanson, Harvey E.: *See*—
Posen, Sam, and Hanson.

Hardin, Hubert, assignor to Ed Friedrich, Inc., San Antonio, Tex. Open type display refrigerator. 2,495,327, Jan. 24.

Harman, Melvin H., High Point, N. C. Sofa bed hinge. 2,495,413, Jan. 24.

Harrington & Richardson Arms Company, assignee: *See*—
Mulno, Lester F.

Harris-Hogan Company, assignee: *See*—
Hogan, Daniel J.

Harrison, John K. M., Gainesville, Va. Adhesive applicator. 2,495,828, Jan. 24.

Harshaw Chemical Company, The, assignee: *See*—
Willson, Karl S., and Ellis.

Hart, Edward G.: *See*—
Kanning, Eugene W., Bobalek, d Hart.

Hartford National Bank and Tr Company, trustee, assignee: *See*—
Blok, Henri, and Broos.
Gall, Bernardus O. M.
Hepp, Gerard.

Hastings Manufacturing Company, assignee: *See*—
Phillips, Harold P.

Hayes, Charles F. M., Wandsworth, London, assignor to The Mullard Radio Valve Company Limited, London, England. Feeding mechanism. 2,495,522, Jan. 24.

Hayes, William, Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for forming articles of hollow glassware. 2,495,253, Jan. 24.

Hays, Russell R., Lawrence, Kans. Sustaining rotor for aircraft. 2,495,523, Jan. 24.

Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Shockproof Holding device. 2,495,633, Jan. 24.

Hazeltine Research, Inc., assignee: *See*—
Wheeler, Harold A.

Heatbath Corporation, assignee: *See*—
Newell, Isaac L.

Heckendorn, Alphonse: *See*—
Felix, Friedrich, Heckendorn, Reich and Oesterlein.

Heckle, Dolph F.: *See*—
Peterson, Robert A., Heckle, and Clarke.

Heigis, Henry E., Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Inflation device. 2,495,254, Jan. 24.

Henderson, Edgar M., Altoona, Pa. Muff pocket for hunting garments. 2,495,582, Jan. 24.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable reactance means for frequency modulating an oscillator. 2,495,634, Jan. 24.

Heron, Hugh D., Outremont, Quebec, Canada. Boring tool. 2,495,583, Jan. 24.

Herreshoff, Algernon S. De W., Bristol, R. I. Feathering propeller, hub, and coupling. 2,495,453, Jan. 24.

Herrington, Lovic P., Hamden, Conn., assignor, by mesne assignments, to Electric Heat Devices, Inc., Pittsburgh, Pa. Air filter for electrically heated drapes. 2,495,414, Jan. 24.

Hersey, Henry J., Jr., Chatham, N. J. Dust filter. 2,495,635, Jan. 24.

Hickey, John P.: *See*—
Lutts, Carlton G., Hickey, and Bock, II.

Hiskey, Clarence F.: *See*—
Ahlberg, Jacob E., and Hiskey.

Hoehn, Harvey H., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polyamines. 2,495,255, Jan. 24.

Hoehn, Harvey H., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wax and polymeric polyketone compositions and articles coated therewith. 2,495,285, Jan. 24.

Hoeltzel, Orval R., W. S. Saville, and J. W. Larson, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Insulating pad. 2,495,636, Jan. 24

Hoelzel, Omar F., Portsmouth, Va. Rotary boiler handhole seat scraper. 2,495,256, Jan. 24.

Hoffmann-La Roche Inc., assignee: *See*—
Fox, Herman H., and Creighton.

Hogan, Daniel J., Ashley, Pa., assignor to Harris-Hogan Company. Work conveying box for sewing-machine tables. 2,495,524, Jan. 24.

Hogan, Joseph T.: *See*—
Porges, Nandor, and Hogan.

Holland-Rantos Company, assignee: *See*—
Coel, Leo.

Holophane Company, Inc., assignee: *See*—
Franck, Kurt.

Hook, John L., Auburn, Ind. Electric outlet box. 2,495,584, Jan. 24.

Hooper, Henry: *See*—
Edwards, Aubrey G., Hooper, and White.

Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Grinding screw threads. 2,495,329, Jan. 24.

Horn, William S., Fort Worth, Tex. Hospital cabinet-commode. 2,495,374, Jan. 24.

Howe, Wallace L.: *See*—
Jeppson, George N., and Howe.

Hrabal, Eduard, assignor of thirty-five per cent to R. Dominguez, Washington, D. C. Trap. 2,495,454, Jan. 24.

Humber Limited, assignee: *See*—
Frost, Edgar D.

Hunter, Robert H., and W. H. Friberg, Auburn, assignors to Norton Company, Worcester, Mass. Diamond abrasive article. 2,495,257, Jan. 24.

Huppert, William, assignor to Kenore Products Corp., New York, N. Y. Hair fastener. 2,495,455, Jan. 24.

Hush, James M.: *See*—
Blair, John M., and Hush.

Hydrocarbon Research, Inc., assignee: *See*—
Keith, Percival C.

Hyvarl, William: *See*—
Spearing, Leonard N., and Hyvarl.

Iatesta, Matthew J., Philadelphia, Pa. Electronic vacuum tube. 2,495,258, Jan. 24.

Illinois Clay Products Company, The, assignee: *See*—
Nichols, Arthur S., and Prosser.

Imperial Chemical Industries Limited, assignee: *See*—
Caldwell, Walter A., and Jack.
Chapman, James, and Roberts.
Scaife, Charles W., and Baldock.

Jack, James: *See*—
Caldwell, Walter A., and Jack.

Jackson, George S., United States Navy. Taut grid electrode for electron tubes. 2,495,259, Jan. 24.

Jacobs, James H., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Purification of manganese solutions. 2,495,456, Jan. 24.

Jacobs, James H., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Treating cathodes for electro-winning manganese. 2,495,457, Jan. 24.

Jenkins, Cecil: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.

Jennen, Jacob J., Antwerp, Belgium, and W. Michaelis, deceased, late of Hollywood, Calif., by H. Michaelis, administratrix, Hollywood, Calif., said J. J. Jennen and W. Michaelis, assignors to B. Gaspar. 3-arylbenzothiazolium quaternary salts and preparing the same. 2,495,260, Jan. 24.

Jeppson, George N., Worcester, and W. L. Howe, West Boylston, assignors to Norton Company, Worcester, Mass. Pulpstone. 2,495,656, Jan. 24.

Jirousek, Joseph F., assignor to The Chandler & Price Company, Cleveland, Ohio. Printing mechanism. 2,495,261, Jan. 24.

Jochem, Theodore B., E. W. Seeger, and P. T. Severson, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Latching mechanism for electric switches. 2,495,330, Jan. 24.

Johnston, Ralph P.: *See*—
Saunders, Richard E., and Johnston.

Jones, Wendell W., Aspinwall, assignor to Armstrong Cork Company, Lancaster, Pa. Mixing apparatus. 2,495,242, Jan. 24.

Joris, Gaston: *See*—
Pierrat, Paul, Colombu, and Joris.

Joseph, Michael, Roslindale, Mass. Rotating hook. 2,495,637, Jan. 24

Joy Manufacturing Company, assignee: *See*—
Troller, Theodor H.

Kanning, Eugene W., E. G. Bobalek, and E. G. Hart, assignors to The Arco Company, Cleveland, Ohio. Interpolymer produced from polyhydric alcohol, polybasic acid, and interpolymer of vinylaromatic compound with drying oil or acid. 2,495,458, Jan. 24.

Karassik, Igor J., South Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Circulating pump for steam generators. 2,495,525, Jan. 24.

Kègresse, Adolphe, deceased, late of Paris, France, by A. V. Kègresse, administrator, Paris, France. Endless track without articulations for universal vehicles. 2,495,331, Jan. 24.

Kègresse, Adolphe V., administrator: *See*—
Kègresse, Adolphe.

Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic treatment and the regeneration of catalyst in stationary beds. 2,495,262, Jan. 24.

Kendall Corporation, assignee: *See*—
Wood, Carl E.

Kenore Products Corp., assignee: *See*—
Huppert, William.

Kessler, David L., assignor to Gates Rubber Company, Denver, Colo. Demountable sheave. 2,495,459, Jan. 24.

Keuffel & Esser Company, assignee: *See*—
Scanlan, Raymond J.

King, Donald M., Hitchin, England, assignor of one-half to Geo. W. King Limited. Busbar construction. 2,495,526, Jan. 24.

King, Geo. W., Limited, assignee: *See*—
King, Donald M.

Klancnik, Frank J., Jr.: *See*—
Ferris, William T., and Klancnik.

Koppers Company, Inc., assignee: *See*—
Nickels, Joseph E.

Korb, John H., U. S. Navy. Diaphragm shutter scotometer. 2,495,263, Jan. 24.

Kotzebue, Meinhard H., Houston, Tex., assignor to Celanese Corporation of America. Oxidation of hydrocarbons. 2,495,332, Jan. 24.

Koucky, Josef, assignor to Zbrojovka Brno, Narodni Podnik, Prague, Czechoslovakia. Inertia member for retarding breechblock movement in automatic firearms. 2,495,460, Jan. 24.

Kraeft, Herman L., Cleveland Heights, L. J. Walters, Shaker Heights, and R. F. Skerl, Euclid, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Manufacturing tubular frame structures. 2,495,333, Jan. 24.

Kreulen, Herman P., Elm Grove, assignor to Grede Foundries, Inc., Wilwaukee, Wis. Cupola furnace. 2,495,264, Jan. 24.

Krogman, Leo M., Chicago, Ill. Camera and lighting support. 2,495,265, Jan. 24.

Kroll, Alfred J., and H. W. Bilger, assignors to The Cuno Engineering Corporation, Meriden, Conn. Socket for receiving electric igniter plugs. 2,495,657, Jan. 24.

Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Starter switch for fluorescent lamps. 2,495,266, Jan. 24.

Kuehnel, William J., Bridgehampton, assignor of one-half to J. G. G. Merrow, New York, N. Y. Transfer ring. 2,495,585. Jan. 24.

Kufall, Edward G., Cleveland, Ohio. Needle holder. 2,495,586, Jan. 24.

Kuhn, Clarence W., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric heater controller. 2,495,461, Jan. 24.

La Cellophane: *See*—
Veyret, Louis, and Vanet.

Laing, Gordon F.: *See*—
Gibbs, Thomas B., Gilman, and Laing.

Laki, Kálmán: *See*—
Szent-Gyorgyi, Albert, Laki, and Gerendás.

La Lande, William A., Jr., Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Refining sugar solutions. 2,495,334, Jan. 24.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Light filter opaque to visible light and transmitting infrared radiation. 2,495,527, Jan. 24.

Landis & Gyr, A. G., assignee: *See*—
Fehr, Paul.

Landis Machine Company, assignee: *See*—
Hopkins, Cecil W.

Langan, John F., White Plains, assignor by mesne assignments, to Film 'N File, Inc., New York, N. Y. Projecting and viewing device for cards with microfilm and the like. 2,495,528, Jan. 24.

Larson, Bernhard A., Chicago, Ill. Compound gauge. 2,495,529, Jan. 24.

Larson, John W.: *See*—
Hoeltzel, Orval R., Saville, and Larson.

Larson, Richard C., Spring Lake, N. J. Vacuum tube socket. 2,495,267, Jan. 24.

Lassiter, Leon Y., Columbia, Mo. Program clock. 2,495,462. Jan. 24.

La Via, Joseph, Jr., Ridgewood, N. Y. Time-controlled means for automatic radio tuning. 2,495,530, Jan. 24.

LaVonier, Ralph P.: *See*—
Bentley, Harold P., and LaVonier.

Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Instrument panel assembly. 2,495,531. Jan. 24.

Lee, Elizabeth L., and T. P. Lee, Los Angeles, Calif. Garment hanger. 2,495,335, Jan. 24.

Lee, Thomas P.: *See*—
Lee, Elizabeth L. and T. P.

Leiphart, John P., U. S. Navy. Ambient temperature compensated bolometer bridge. 2,495,268, Jan. 24.

Leonard, James B., Del Rio, Tex. Pipe fitting. 2,495,532, Jan. 24.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Earthworking scraper. 2,495,336, Jan. 24.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Power winch. 2,495,463. Jan. 24.

Lewis, Fred S., assignor to Electro-Voice, Incorporated, South Bend, Ind. Extensible standard. 2,495,674, Jan. 24.

Lewis, Wilmarth, trustee, assignee: *See*—
Langan, John F.

Lieberman, George, Houston, Tex. Production of alkali arsenite, phenols, and alkali phenolates. 2,495,215, Jan. 24.

Linde Air Products Company, The, assignee: *See*—
Young, Lloyd W.

Lindham, Birger, Stockholm, Sweden. Intermediate friction layer for joining two or more structural parts of wood or like material. 2,495,337, Jan. 24.

Lindmark, Johan G., assignor to Aktiebolaget Johnson & Borsell, Stockholm, Sweden. Machine for preparing lithographic or other printing plates as well as rubber sheets used in offset printing. 2,495,269, Jan. 24.

Lingdell, Harry, Stratford, Conn. Dispenser for collapsible containers. 2,495,464, Jan. 24.

Lisiman, Alan, assignor of one-half to E. L. Ruddy, Pickering, Ontario, Canada. Spraying apparatus. 2,495,375, Jan. 24.

Littler, Clarence A., Maple Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phenothiazine drench compositions. 2,495,270, Jan. 24.

Long, John H., Jackson Heights, assignor to Faximile, Inc., New York, N. Y. Unitary spring and printer blade for facsimile recorders. 2,495,271, Jan. 24.

Longwell, Paul A., A. D. Ayers, and B. H. Sage, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Manufacturing propellants. 2,495,216, Jan. 24.

Loweke, Erwin F., Jackson, Mich., assignor by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Regulator valve. 2,495,338, Jan. 24.

Lukes, Edward J.: *See*—
Cannon, Earl, and Lukes.

Lum, Walter O., Livingston, N. J., assignor to General Electric Company. Condition responsive reversing valve mechanism. 2,495,227, Jan. 24.

Lum, Walter O., Livingston, N. J., assignor to General Electric Company. Inverse automatic flow regulating valve system. 2,495,272, Jan. 24.

Lusk, Eldon H., Sharon, Mass., assignor to Westinghouse Electric Corporation. Ventilating apparatus. 2,495,376, Jan. 24.

Luttgen, William H.: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.

Lutts, Carlton G., Salem, J. P. Hickey, Mattapan, and M. Bock, II, Boston, Mass. Making sound metal castings. 2,495,273, Jan. 24.

Lynn, Frank L., assignor to Shuf-L-Bowl Corporation, Hempstead, N. Y. Shuffleboard bowling pin. 2,495,465, Jan. 24.

M-O Valve Company Limited, The, assignee: *See*—
Warren, Geoffrey W.

Macklin, Justin W., Lakewood, and W. H. Grant, Cleveland, Ohio. Method and apparatus for corrugating metal tubing. 2,495,533, Jan. 24.

Magnaflux Corporation, assignee: *See*—
Peterson, Robert A., Heckle, and Clarke.

Magowan, Thomas R., assignor to Carter Carburetor Corporation, St. Louis, Mo. Paint spray apparatus. 2,495,587, Jan. 24.

Maha, Otto J.: *See*—
Peterson, Victor W., and Maha.

Mallory, P. R., & Co., Inc., assignee: *See*—
Friedman, Maurice.

Marco Chemicals, Inc., assignee: *See*—
Muskat, Irvine E.

Markowitz, Jerome, assignor to Allen Organ Company, Inc., Allentown, Pa. Supporting structure for electrical units. 2,495,339, Jan. 24.

Marshall, Laurence K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency electromagnetic cooking apparatus. 2,495,415, Jan. 24.

Mascuch, Joseph J., assignee: *See*—
Nardone, Romeo M.

Mason, John S., Columbus, Ohio. Speedboat. 2,495,588, Jan. 24.

Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Radio frequency transmission network. 2,495,589, Jan. 24.

Mayer, William G., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Electrical discharge device. 2,495,274, Jan. 24.

Mayorquin, Tomas T., Havana, Cuba. Duplex telegraph signal automatic manipulator. 2,495,377, Jan. 24.

McCabe, Ira E., Chicago, Ill. Conditioning refrigerating systems. 2,495,378, Jan. 24.

McCauley, Claudius R., New Orleans, La. Liquid level indicator. 2,495,416, Jan. 24.

McConnel, Frederic W., Liphook, and D. R. Bomford, Evesham, England. Grain harvesting machine. 2,495,417, Jan. 24.

McCormick, William H.: *See*—
Dyson, Eugene E., and McCormick.

McIntosh, David O., assignor of one-half to Charles W. Akers, Nashville, Tenn. Concrete mixer. 2,495,379, Jan. 24.

McNeil Machine and Engineering Company, The, assignee: *See*—
Soderquist, Leslie E.

Meaker, John W., New York, N. Y. Apparatus for perforating sheet material. 2,495,534, Jan. 24.

Meltzer, Jack, New York, N. Y. Shoe construction. 2,495,590, Jan. 24.

Melvill, Gordon K.: *See*—
Popper, Otto, and Melvill.

Mellor, Charles: *See*—
Gagliardi, Emilio A. J., Mellor and Hamm.

Meredith, Frederick W., Cricklewood, London, England, assignor to S. Smith & Sons (England), Limited. Control equipment for stabilizing a platform mounted in a craft. 2,495,591, Jan. 24.

Merrow, John G. G., assignee: *See*—
Kuehnel, William J.

Meyer, Ronald E.: *See*—
Bludworth, Joseph E., and Meyer.

Michaelis, Hella, administratrix: *See*—
Jennen, Jacob Josef, and Michaelis.

Michaelis, Walter: *See*—
Jennen, Jacob Josef, and Michaelis.

Mlick, Rudolph Y.: *See*—
Werle, Armand E., and Mlick.

Miller, David, Lancaster, Pa. Umbrella ferrule. 2,495,380, Jan. 24.

Miller, Herman H., assignor to The Dow Chemical Company, Midland, Mich. Packaged magnesium anode with cemented backfill. 2,495,466, Jan. 24.

Miller, Homer H., Bridgeport, Conn., assignor to General Electric Company. Waffle iron. 2,495,638, Jan. 24.

Miller, John J., San Bernardino, Calif. Paper hanger's straight edge gauge. 2,495,275, Jan. 24.

Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Stop meter. 2,495,340, Jan. 24.

Milton, Clare L., Jr., Akron, Ohio, assignor to the United States of America as represented by the Secretary of the Army. Making multipiece molds. 2,495,276, Jan. 24.

Mobile Communication Company, assignee: *See*—
Grove, Howard G.

Monarch Machine Tool Company, The, assignee: *See*—
Bickel, Clifford A., Brandenburg, and Foster.

Monawatt Incorporated, assignee: *See*—
Benander, George B.

Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.

Moore, George W., New York, N. Y. Crayon holder. 2,495,342, Jan. 24.

Moore, Lee C., Corporation, assignee: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.

Moran, Harold J., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Portable parachute assembly. 2,495,341, Jan. 24.

Moran, Harold J., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Parachute chair pack. 2,495,381. Jan. 24.

Moreno, Ernest, Brookline, Mass. Tree-lighting electric cord set. 2,495,639, Jan. 24.

Morin, Louis H., Bronx, N. Y. Forming separable fastener stringers. 2,495,592, Jan. 24.

Morningstar, Alvie S., assignee: *See*—
Bierig, Carl W.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Thioethers of polyalkylated cyclic sulfones. 2,495,467, Jan. 24.

Morrison, Willard L., Lake Forest, Ill. Drier. 2,495,535, Jan. 24.

Morse, John F., Hudson, Ohio. Control mechanism for marine steering gear. 2,495,536, Jan. 24.

Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,495,382, Jan. 24.

Moseley, Harry W., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Carrying apparatus. 2,495,658, Jan. 24.

Mousel, Canellen K., Edison, Nebr. Air cooling device. 2,495,537, Jan. 24.

Mousel, Canellen K., Edison, Nebr. Evaporative cooler. 2,495,538, Jan. 24.

Muehlhausser, Carl K.: *See*—
Dawsey, Lynn H., Umhoefer and Muehlhausser.

Mueller Co., assignee: *See*—
Mueller, Frank H.
Mueller, Lucien W.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Lubricated valve. 2,495,596, Jan. 24.

Mueller, Lloyd R., assignor to The Geuder, Paeschke & Frey Co., Milwaukee, Wis. Ventilated ironing board. 2,495,468, Jan. 24.

Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,495,593, Jan. 24.

Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,495,594, Jan. 24.

Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,495,595, Jan. 24.

Mullard Radio Valve Company Limited, The, assignee: *See*—
Hayes, Charles F. M.

Mulno, Lester F., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Safety device for firearms. 2,495,383, Jan. 24.

Mulno, Lester F., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Cartridge loading platform for firearms. 2,495,384, Jan. 24.

Murray-Ohio Manufacturing Company, The, assignee: *See*—
Kraeft, Herman L., Walters, and Skerl.

Muskat, Irving E., Plainfield, N. J., assignor to Marco Chemicals, Inc. Molding. 2,495,640, Jan. 24.

Nafziger, Ralph L., Chicago, Ill. Baking. 2,495,469, Jan. 24.

Napier, Henry, Springfield, assignor to F. E. Schundler & Co., Inc., Joliet, Ill. Bonding mineral insulating material. 2,495,597, Jan. 24.

Nardone, Romeo M., Teaneck, assignor to Joseph J. Mascuch, Millburn, N. J. Variable-speed drive. 2,495,470, Jan. 24.

National Cylinder Gas Company, assignee: *See*—
Girard, Dean C.

Natzler, Paul, Jackson Heights, N. Y., and O. G. Schenermann, Westfield, assignors to Conmar Products Corporation, Newark, N. J. Mold for slide fastener sliders. 2,495,539, Jan. 24.

Navikas, Victor A., assignor to Armstrong Cork Company, Lancaster, Pa. Compositions, including a hydrogenated semidrying oil and methacrylate resin mixture as a lubricant. 2,495,277, Jan. 24.

Navratil, Clarence: *See*—
Chamberlain, Paul A., and Navratil.

Navy, United States of America as represented by the Secretary of the: *See*—
Longwell, Paul A., Ayers, and Sage.

Newell, Heber L., Fishkill, N. Y., assignor to General Electric Company. Ironing machine. 2,495,641, Jan. 24.

Newell, Isaac L., Wethersfield, Conn., assignor to Heatbath Corporation, Indian Orchard, Mass. Rectifying halide salt baths. 2,495,471, Jan. 24.

Nichols, Arthur S., Oak Park, and R. A. Prosser, Riverside, assignors to Illinois Clay Products Company, Joliet, Ill. Coating with lightweight aggregates. 2,495,540, Jan. 24.

Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Dehydrogenation of alkyl aromatic compounds. 2,495,278, Jan. 24.

Nielsen, Karl G., Hughson, Calif. Truck bed construction. 2,495,418, Jan. 24.

Noell, Elmer F., assignor to The Printing Machinery Company, Cincinnati, Ohio. Machine for die-cutting paper. 2,495,659, Jan. 24.

Nolan, John J., Jr., assignor to The Central Foundry Company, New York, N. Y. Metal pouring apparatus for centrifugal castings. 2,495,541, Jan. 24.

Norman Nelson Corp., assignee: *See*—
Castellano, Joseph P.

Northern Indiana Brass Company, assignee: *See*—
Arbogast, Alfred C.

Norton Company: *See*—
Hunter, Robert H., and Friberg.
Jeppson, George N., and Howe.
Schaefer, Reinhold A.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical interconnection device. 2,495,279, Jan. 24.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Composite electrical conductor strip. 2,495,280, Jan. 24.

Oesterlein, Fritz: *See*—
Felix, Friedrich, Heckendorn, Reich, and Oesterlein.

Ohab, Stanley, New York, N. Y. Mute for string instruments. 2,495,343, Jan. 24.

Oil Center Tool Company, assignee: *See*—
Penick, Arthur J.

Optique et Precision de Levallois, assignee: *See*—
De Gramont de Guiche, Henri A. A. A.

Ornstein, D., & Sons Corp., assignee: *See*—
Visner, Herman.

Ort, William, Wichita Falls, Tex. Paper smoothing tool. 2,495,472, Jan. 24.

Packard Motor Car Company, assignee: *See*—
Foley, Jerald E.
Grimm, George E.

Palmer, Charles M., Washington, D. C., assignor to Speed Products Company, Inc., New York, N. Y. Pocket stapling machine. 2,495,385, Jan. 24.

Panton, Charles D., Eldred, Pa. Check valve. 2,495,542, Jan. 24.

Parker, Leland C., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Electrically operated pump. 2,495,598, Jan. 24.

Parsons and Marine Engineering Turbine Research and Development Association, The, assignee: *See*—
Peregrine, Edgar P.

Pawlishen, Edward: *See*—
Rigrod, William W., and Pawlishen.

Pawlishen, John, administrator: *See*—
Rigrod, William W., and Pawlishen.

Pearson, Edwin L., assignor to L. N. Strike, Salt Lake City, Utah. Sleeve pressing machine. 2,495,281, Jan. 24.

Peberdy, Roland, assignor to The Bentley Engineering Company Limited, Leicester, England. Knitting machine. 2,495,543, Jan. 24.

Peck, Elliott W., Stratford, Conn. Bowling game comprising automatic means for setting up and separating the bowling elements. 2,495,473, Jan. 24.

Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Wash valve for wells. 2,495,642, Jan. 24.

Peregrine, Edgar P., Tynemouth, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Combustion unit. 2,495,386, Jan. 24.

Peterson, Charles F., New York, N. Y. Electric heater. 2,495,419, Jan. 24.

Peterson, Robert A., D. F. Heckle, and J. E. Clarke, assignors to Magnaflux Corporation, Chicago, Ill. Pipe welding and magnetic testing apparatus. 2,495,544, Jan. 24.

Peterson, Robert A., D. F. Heckle, and J. E. Clarke, assignors to Magnaflux Corporation, Chicago, Ill. Magnetic particle inspection apparatus and method. 2,495,545, Jan. 24.

Peterson, Victor W., and O. J. Maha, Chicago, Ill., assignors to Hannifin Corporation. Packing. 2,495,660, Jan. 24.

Petiton, André C., St. Just-les-Marais, assignor, by mesne assignments, to Societe Novacel, Paris, France. Making sponge-forming compositions. 2,495,237, Jan. 24.

Philco Corporation, assignee: *See*—
Bramley, Arthur, and Swanson.
Dolberg, Charles E.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Apparatus for induction heating rotatably mounted piston rings. 2,495,474, Jan. 24.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Air wrench. 2,495,475, Jan. 24.

Pidgeon, Andrew J., Woodside Pidgeon Farm, Quebec, Canada. Aircraft. 2,495,643, Jan. 24.

Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F., and Boynton.

Pierrat, Paul, Courbevoie, and E. Colombu, assignors to Societe de Constructions Mecaniques de Stains, Paris, France. Preparing viscose. 2,495,235, Jan. 24.

Pierrat, Paul, Courbevoie, E. Colombu, and G. Joris, assignors to Societe de Constructions Mecaniques de Stains, Paris, France. Apparatus for cutting continuous filaments. 2,495,236, Jan. 24.

Pingard, Gustave: *See*—
Urison, Jacques, de Calignon, and Pingard.

Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermosetting and thermoset compositions comprising monoolefin/carbon monoxide polymers and obtaining same. 2,495,282, Jan. 24.

Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polycyanohydrin made by reacting hydrogen cyanide with a monoolefin/carbon monoxide polymer. 2,495,284, Jan. 24.

Pinnick, Alfred, Birmingham, England. Castor for furniture and the like. 2,495,599, Jan. 24.

Pioneer Gen-E-Motor Corporation, assignee: *See*—
Goldberg, Harry.

Polaroid Corporation, assignee: *See*—
Amon, William F., Jr., and Blout.
Land, Edwin H.

Poor & Company, assignee: *See*—
Chester, Allan E., and Reisinger.

Popper, Otto, and G. K. Melvill, Johannesburg, Transvaal, Union of South Africa, said Melvill assignor to said Popper. Apparatus for making intravaginal packs. 2,495,420, Jan. 24.

Porges, Nandor, Newark, N. J., and J. T. Hogan, New Orleans, La., said Hogan assignor to said Porges. Planimeter. 2,495,675, Jan. 24.

Porocel Corporation, assignee: *See*—
La Lande, William A., Jr.

Posen, Sam, and H. E. Hansen, assignors, by mesne assignments, to Beltone Hearing Aid Co., Chicago, Ill. Wearable electronic hearing aid having a unitary casing for the batteries and the amplifier. 2,495,476, Jan. 24.

Posen, Sam, and H. E. Hansen, assignors to Beltone Hearing Aid Co., Chicago, Ill. Hearing aid chassis. 2,495,546, Jan. 24.

Pownall, George L., Junction City, Ohio. Apparatus for bulk production of small ice. 2,495,421, Jan. 21.

Priest, Harry D., Culver City, Calif. Fluid transmission. 2,495,547, Jan. 24.

Printing Machinery Company, The, assignee: *See*—
Noell, Elmer F.

Proch, Joseph F., Chicago, Ill. Film winding apparatus. 2,495,344, Jan. 24.

Prosser, Robert A.: *See*—
Nichols, Arthur S., and Prosser.

Puchner, Irving A., assignee: *See*—
Elliott, Gordon R.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent-sur-Marne, France. Pocket gas lighter. 2,495,345, Jan. 24.

Radio Corporation of America, assignee: *See*—
Hansell, Grant E.
Masters, Robert W.

Raitt, Richard G., Elmira, N. Y. Picture hanger. 2,495,477, Jan. 24.

Ramsay, Marcus, New York, N. Y. Lapping machine. 2,495,600, Jan. 24.

Ramsdell, Charles H., Portland, Oreg. Sprinkler head. 2,495,346, Jan. 24.

Rawson, Emanuel, assignor to Rite-Way Products Company, Chicago, Ill. Pump oiling means. 2,495,601, Jan. 24.

Ray-O-Vac Company, assignee: *See*—
Wengel, Arthur M.

Raytheon Manufacturing Company, assignee: *See*—
Marshall, Laurence K.
Spencer, Percy L.
Welch, Arthur E.

Redman, Horace E., Wyandotte, Mich., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,495,478, Jan. 24.

Reger, Lee N., Burbank, Calif. Bra. 2,495,479, Jan. 24.

Regina S. A., assignee: *See*—
Ancet, Victor M. J.

Reich, Ernst: *See*—
Felix, Friedrich, Heckendorn, Reich, and Oesterlein.
Reisinger, Frederick F.: *See*—
Chester, Allan E., and Reisinger.

Republic Steel Corporation, assignee: *See*—
Moseley, Harry W.

Revane, Henry J., Norfolk, Va. Nursing unit with flow adjustment means. 2,495,548, Jan. 24.

Richards, John M., New York, N. Y. Stereoscopic adapter. 2,495,288, Jan. 24.

Rieber, William K., Los Angeles, Calif. Auxiliary traveling turntable drive. 2,495,480, Jan. 24.

Riehl, William L., Marcy, N. Y., assignor to Union Fork & Hoe Company, Columbus, Ohio. Gas pilot burner with annular flame port. 2,495,481, Jan. 24.

Rigney, Everett E., Modesto, Calif. Coring device. 2,495,422, Jan. 24.

Rigrod, William W., Bloomfield, N. J., and E. Pawlishen, deceased, late of New York, N. Y., by J. Pawlishen, administrator, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,495,289, Jan. 24.

Rinaldi, Domenic, Ambridge, Pa. Protective pad for bathtubs. 2,495,602, Jan. 24.

Riott, John P.: *See*—
Buehl, Russell C., Riott and Shoub.

Rite-Way Products Company, assignee: *See*—
Rawson, Emanuel.

Ritz-Woller, Oliver C., Dallas, Tex. Mirror construction having a resilient securing band. 2,495,347, Jan. 24.

Roberts, Irving, assignor to Elliott Company, Jeannette, Pa. Separation of ternary gaseous mixtures containing hydrogen and methane. 2,495,549, Jan. 24.

Roberts, Robert: *See*—
Chapman, James, and Roberts.

Robertshaw-Fulton Controls Company, assignee: *See*—
Weber, Victor.

Roed, Thorvald, Detroit, Mich. Double-ended resilient fastener. 2,495,348, Jan. 24.

Rogatz, Pearl M., Milwaukee, Wis. Apparatus for holding infants. 2,495,482, Jan. 24.

Rogers, Charles A., Waco, Tex. Tent pole connector. 2,495,423, Jan. 24.

Rohm & Haas Company, assignee: *See*—
Carmack, Marvin, and De Tar.

Rohr, Robert D., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap acting device. 2,495,349, Jan. 24.

Romoser, Willard E., assignee: *See*—
Chamberlain, Paul A., and Navratil.

Round Root Corporation, assignee: *See*—
Vander Clute, William W.

Rowley, Chauncey L., Portland, Oreg. Holder for hairpins. 2,495,644, Jan. 24.

Rubissow, George A., New York, N. Y. Centrifugal casting apparatus. 2,495,483, Jan. 24.

Ruddy, Ernest L., assignee: *See*—
Lishman, Alan.

Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Operating gas heater for thermal power plants. 2,495,550, Jan. 24.

Rummins, Richard E., Massillon, Ohio. Mill. 2,495,387, Jan. 24.

Ryan, Gerald F., Nashville, Tenn. Record device. 2,495,388, Jan. 24.

Ryan, Marion E., Dearborn, Mich., assignor, by mesne assignments, to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Automatically controlled electric pressure cooker. 2,495,603, Jan. 24.

Sage, Bruce H.: *See*—
Longwell, Paul A., Ayers and Sage.

St. Germain, William A., Littleton, Colo. Tool-locating gauge. 2,495,487, Jan. 24.

Sakowski, John P., Bayonne, N. J. Apparatus for dispensing and applying alcohol to applicators. 2,495,551, Jan. 24.

Salt Water Control, Inc., assignee: *See*—
Erwin, Ransome W.

Salvetti, Dante: *See*—
Wyckoff, Ralph D., Fitzwilliam, and Salvetti.

Salzmann, Fritz, assignor to Aktiengesellschaft-Fuer Technische Studien, Zurich, Switzerland. Method of and apparatus for control of thermal power plants of the closed circuit type. 2,495,604, Jan. 24.

Sammann, Harold P., Chicago, Ill. Tape dispenser. 2,495,389, Jan. 24.

Saunders Engineering and Shipyard Limited, assignee: *See*—
Gouge, Arthur.

Saunders, Richard E., and R. P. Johnston, assignors to Beech Aircraft Corporation, Wichita, Kans. Aircraft control hinge construction. 2,495,605, Jan. 24.

Saville, William S.: *See*—
Hoeltzel, Orval R., Saville, and Larson.

Scaife, Charles W., Norton-on-Tees, and H. Baldock, deceased, late of Norton-on-Tees, England, by H. Baldock, legal representative, Hoylake, England, assignors to Imperial Chemical Industries Limited. Production of nitro olefins. 2,495,424, Jan. 24.

Scanlan, Raymond J., Hasbrouck Heights, assignor to Keuffel & Esser Company, Hoboken, N. J. Reproduction material. 2,495,661, Jan. 24.

Schaefer, Reinhold A., Rocky Hill, Conn., assignor to Norton Company, Worcester, Mass. Diamond abrasive article and making the same. 2,495,606, Jan. 24.

Schaefer, Reinhold A., Rocky Hill, Conn., assignor to Norton Company, Worcester, Mass. Diamond abrasive article and making the same. 2,495,607, Jan. 24.

Schemenauer, Harold L., Toledo, Ohio. Mouthpiece for reed musical instruments. 2,495,484, Jan. 24.

Scheuermann, Otto G.: *See*—
Natzler, Paul, and Scheuermann.

Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Overload protective device. 2,495,608, Jan. 24.

Schlitters, Michael J., Grosse Pointe Park, Mich. Recessing tool holder. 2,495,291, Jan. 24.

Schmitz, Otto, Granges, Switzerland. Watertight watch-case. 2,495,552, Jan. 24.

Schuites, John and V., Detroit, Mich. Level-square combination. 2,495,645, Jan. 24.

Schuites, John and V., Detroit, Mich. Level. 2,495,646, Jan. 24.

Schuites, Vincent: *See*—
Schuites, John and V.

Schultz, Aage V., and T. H. Tomlonson, La Porte, Ind. Power-driven cable winding device. 2,495,425, Jan. 24.

Schundler, F. E., & Co., Inc., assignee: *See*—
Napier, Henry.

Schwartzberg, Henry, Brookline, Mass. Sound control system. 2,495,426, Jan. 24.

Schwindler, William R., Needham, Mass. Supplying water to internal-combustion engines. 2,495,485, Jan. 24.

Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of carbon monoxide-monoolefin polymers. 2,495,292, Jan. 24.

Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polythiols. 2,495,293, Jan. 24.

Scraper, Earl F., Wichita, Kans. All-weather protecting visor for motor vehicles. 2,495,662, Jan. 24.

Scribabine, Igor: *See*—
Hannion, Marcel, and Scribabine.

Seeger, Edwin W.: *See*—
Jochem, Theodore B., Seeger, and Severson.
Kuhn, Clarence W., and Seeger.

Semrau, Hugo F., Verona, Pa. Dial protractor. 2,495,609, Jan. 24.

Serdex, Inc., assignee: *See*—
Coburn, William K.

Severson, Palmer T.: *See*—
Jochem, Theodore B., Seeger, and Severson.

Shaw, Harry P., Shelburne Falls, Mass. Pastry marker. 2,495,553, Jan. 24.

Shea, Edwin T.: *See*—
Fisher, Pius A., and Shea.

Shell Development Company, assignee: *See*—
Morris, Rupert C., and Van Winkle.
van Andel, Eleonoor E.
Voge, Hervey H., Good and Greensfelder.

Shill, Sidney C., Los Angeles, Calif. Piano. 2,495,427, Jan. 24.

Shimek, Edwin J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismograph gain control system. 2,495,390, Jan. 24.

Shoub, Earle P.: *See*—
Buehl, Russell C., Riott, and Shoub.

Shuf-L-Bowl Corporation, assignee: *See*—
Lynn, Frank L.

Simonson, Ernest J. and J. C., Muskegon, Mich. Semi-automatic pistol with blowback breechblock. 2,495,428, Jan. 24.

Simonson, Joan C.: *See*—
Simonson, Ernest J. and J. C.

Skerl, Rudolph F.: *See*—
Kraeft, Herman L., Walters, and Skerl.

Smith, A. L., Iron Company, assignee: *See*—
Kruger, Michael H.

Smith, Charles L., San Diego, Calif. Automobile refrigerator. 2,495,350, Jan. 24.

Smith, Charles L., San Diego, Calif. Air conditioning apparatus. 2,495,351, Jan. 24.

Smith, Ethel M., Haddonfield, N. J. Carrying case for suction cleaners of the horizontal tank type. 2,495,391, Jan. 24.

Smith, John, Chicago, Ill., assignor to Zenith Radio Corporation. Mounting arrangement for circuit elements. 2,495,353, Jan. 24.

Smith, Neil V., Los Angeles, Calif. Reeling device. 2,495,392, Jan. 24.

Smith, Ralph H., Houston, Tex., assignor to The Dow Chemical Company. Well repair. 2,495,352, Jan. 24.

Smith, Royal A., assignor to The Strathmoor Company, Detroit, Mich. Adjustable clothes pole. 2,495,610, Jan. 24.

Smith, S., & Sons (England) Limited, assignee: *See*—
Meredith, Frederick W.

Societa des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Hannion, Marcel, and Scribabine.

Societe Anonyme de Telecommunications, assignee: *See*—
Dorbec, Lucien.

Societe de Constructions Mecaniques de Stains, assignee: *See*—
Pierrat, Paul, and Colombu.

Societe Novacel: *See*—
Petiton, Andre C.

Societe Pyreneenne de Carburants et Solvants, assignee: *See*—
Urison, Jacques, de Calignon, and Pingard.

Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Preparing container blanks with tear-strip tongues. 2,495,294, Jan. 24.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Butcosk, Richard A.
Redman, Horace E.
Shimek, Edwin J.

Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company, Akron, Ohio. Apparatus for shaping and vulcanizing pneumatic tires. 2,495,663, Jan. 24.

Soderquist, Leslie E., assignor to The McNeil Machine & Engineering Company, Akron, Ohio. Vulcanizing press with automatic bagger. 2,495,664, Jan. 24.

Solar Aircraft Company, assignee: *See*—
Bentsen, William J.

Spangler, George E., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Open-top refrigerated display case. 2,495,554, Jan. 24.

Spanier, Fritz, Staten Island, N. Y. Textile washer and drier utilizing compression waves. 2,495,293, Jan. 24.

Spearing, Leonard N., Detroit, and W. Hyvari, Tuscarora, Mich. Dump trailer. 2,495,354, Jan. 24.

Specialties Development Corporation, assignee: *See*—
Heigis, Henry E.

Speed Products Company, Inc., assignee: *See*—
Palmer, Charles M.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Treating foodstuffs. 2,495,429, Jan. 24.

Sprague Electric Company, assignee: *See*—
Dorst, Stanley O.

Spring, Otto, Okmulgee, Okla., assignor to Danciger Oil & Refining Company, Fort Worth, Tex. Apparatus for producing acetylene. 2,495,665, Jan. 24.

Springer, Earl W., Indianapolis, Ind. Airway traffic indicator. 2,495,296, Jan. 24.

Stahl, Rodolphe, Detroit, Mich., assignor to Ciro Cameras, Inc., Delaware, Ohio. Focusing mechanism for twin-lens reflex cameras. 2,495,355, Jan. 24.

Standard Steel Works, assignee: *See*—
Cellwork, William E.

Stern, Kurt G., New York, N. Y. Electrophoretic liquid analysis apparatus having a diaphragm and cylindrical lens in the optic path. 2,495,297, Jan. 24.

Stevens, Donald R., Wilkinsburg, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Diesel fuel. 2,495,555, Jan. 24.

Stevenson, Philip H., Cincinnati, Ohio. Aerial delivery container. 2,495,486, Jan. 24.

Strathmoor Company, The, assignee: *See*—
Smith, Royal A.

Stretch, Albert T., Jr., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Pilot chute ejector. 2,495,393, Jan. 24.

Stribling, Sidney, San Francisco, Calif. Dry cleaning machine. 2,495,488, Jan. 24.

Strike, Louis N., assignee: *See*—
Pearson, Edwin I.

Stroburg, Clark E., Blockton, Iowa. Brush moving device for generators. 2,495,430, Jan. 24.

Swanson, Carl E.: *See*—
Bramley, Arthur, and Swanson.

Swartzbaugh Manufacturing Company, The, assignee: *See*—
Ryan, Marion E.

Swibel, Max, Bronx, N. Y. Rack and ejector means for phonograph records. 2,495,611, Jan. 24.

Switlik Parachute Company, Inc., assignee: *See*—
Moran, Harold J.
Stretch, Albert T., Jr.

Szent-Gyorgyi, Albert, Woodshole, Mass., K. Laki, and M. Gerendas, Budapest, Hungary. Preparation of thrombin. 2,495,298, Jan. 24.

Tarter, Henry G., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,495,299, Jan. 24.

Taubert, Charles F., assignor of one-half to E. H. Taubert, Scarsdale, N. Y. Making pile fabrics. 2,495,666, Jan. 24.

Taubert, Elizabeth H., assignee: *See*—
Taubert, Charles F.

Taylor Instrument Companies, assignee: *See*—
Caldwell, William I.

Teskey, Mark H., Killarney, Manitoba, Canada. Frozen meat cutter knife guiding assembly. 2,495,394, Jan. 24.

Thomason, Falls L., Charlotte, N. C. Lubrication apparatus for twister rings. 2,495,300, Jan. 24.

Thompson Grinder Company, The, assignee: *See*—
Wilson, John C.

Thompson, Parker H., Kirkwood, assignor to Amp Corporation, St. Louis, Mo. Fuse. 2,495,431, Jan. 24.

Thompson, Parke H., Kirkwood, assignor to Amp Corporation, St. Louis, Mo. Fuse. 2,495,432, Jan. 24.

Tomlonson, Thomas H.: *See*—
Schultz, Aage V., and Tomlonson.

Tong, George C., St. Louis, Mo. Heat therapy appliance. 2,495,356, Jan. 24.

Troller, Theodor H., New Philadelphia, Ohio, assignor, by mesne assignments, to Joy Manufacturing Company. Pitch adjusting mechanism. 2,495,433, Jan. 24.

Troller, Theodor H., New Philadelphia, Ohio, assignor to Joy Manufacturing Company. Variable pitch propeller. 2,495,424, Jan. 24.

Trimble, Joe T., Tulsa, Okla. Film drier. 2,495,612, Jan. 24.

Trojan Powder Company, assignee: *See*—
Wyler, Joseph A.

Tuttle, Malcolm H., New Rochelle, N. Y. Method of and apparatus for cracking tarry materials. 2,495,613, Jan. 24.

Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Power transmission valve. 2,495,395, Jan. 24.

Umhoefer, Robert R.: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhausser.

Union Fork & Hoe Company, assignee: *See*—
Riehl, William L.

Union Switch & Signal Company, The, assignee: *See*—
Brannen, Paul M.

United Aircraft Corporation, assignee: *See*—
Baker, John G.

United States Atomic Energy Commission, the United States of America as represented by the, assignee: *See*—
Ahlberg, Jacob E., and Hiskey.
Blair, John M., and Hush.

Universal Match Corporation, assignee: *See*—
Ellern, Herbert.

Urson, Jacques, Paris, P. de Calignon, Lannemezan, and G. Pingard, Thann, assignors to Societe Pyreneenne de Carburants et Solvants, Paris, France. Destructive distillation of vegetable matter with caustic and lime. 2,495,396, Jan. 24.

Van Andel, Eleonoor E., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Preparation of N-halo derivatives of organic sulfonamides. 2,495,489, Jan. 24.

Vander Clute, William W., assignor to Round Root Corporation, Elizabeth, N. J. Welded coupling. 2,495,615, Jan. 24.

Vandermark, Louis H., Augusta, Ga. Necktie. 2,495,614, Jan. 24.

Vanet, Paul: *See*—
Veyret, Louis, and Vanet.

Van Winkle, John L.: *See*—
Morris, Rupert C., and Van Winkle.

Vaughn, Thomas O.: *See*—
Vaughn, Wesley D. and Thomas O.

Vaughn, Wesley D. and T. O., Vernon, Tex. Baled hay loading machine. 2,495,647, Jan. 24.

Veyret, Louis, Neuilly sur Seine, and P. Vanet, Le Vesinet, assignors to La Cellophane, Paris, France. Thumbtack. 2,495,238, Jan. 24.

Vickers Incorporated, assignee: *See*—
Tweedale, Ralph L.

Vilandré, Emile J.: *See*—
Vilandré, Gertrude S. and E. J.

Vilandré, Gertrude S. and E. J., Brooklyn Center, Minn. Guide for ball valves. 2,495,616, Jan. 24.

Visner, Herman, New York, N. Y., assignor to D. Ornstein & Sons Corp. Adjustable clasp. 2,495,667, Jan. 24.

Voge, Hervey H., Berkeley, G. M. Good, Albany, and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Hydrocarbon treating process. 2,495,648, Jan. 24.

W-W Tool Company, assignee: *See*—
Walton, Edward L.

Wagner, Carl J., Detroit, Mich. Refrigerator with a top ice box. 2,495,357, Jan. 24.

Wagner Electric Corporation, assignee: *See*—
Milster, Arthur N.

Wald, George R., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Vulcanizing unit. 2,495,556, Jan. 24.

Wallace, Stanley, Des Plaines, Ill. Centrifugal governor device. 2,495,617, Jan. 24.

Walsh, Arthur, Prescot, England. Floor construction of road vehicles. 2,495,557, Jan. 24.

Walters, Leonard J.: *See*—
Kraeft, Herman L., Walters, and Skerl.

Walton, Edward L., assignor to W-W Tool Company, Milwaukee, Wis. Angle and distance measuring device. 2,495,558, Jan. 24.

War, United States of America as represented by the Secretary of, assignee: *See*—
Mayer, William G.

Warner & Swasey Company, The, assignee: *See*—
Clark, Robert H.

Warren, Geoffrey W., Eastcote, Pinner, assignor to The M-O Valve Company Limited, London, England. Electrode structure for space discharge tubes. 2,495,618, Jan. 24.

Weber, Albert J., Los Angeles, Calif. Condensation trap for steam irons. 2,495,397, Jan. 24.

Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Valve. 2,495,398, Jan. 24.

Weierman, Herbert P., Rydal, Pa. Dehumidifier. 2,495,619, Jan. 24.

Weiler, Karl E., Franklin Square, N. Y. Industrial brush. 2,495,559, Jan. 24.

Weinberger, Harold: *See*—
Gilbert, Everett E., and Weinberger.

Welch, Arthur E., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Treating foodstuffs. 2,495,435, Jan. 24.

Wells Manufacturing Company, assignee: *See*—
Wells, Raymond L.

Wells, Raymond L., assignor to Wells Manufacturing Company, Attleboro, Mass. Making bracelets. 2,495,560, Jan. 24.

Wells, William J., assignor to F. N. Burt Company, Inc., Buffalo, N. Y. Display and shipping carton. 2,495,676, Jan. 24.

Wendt, Robert H., assignee: *See*—
Dautrick, Owen L.

Wengel, Arthur M., Blooming Grove, Wis., assignor to Ray-O-Vac Company. Voltage regulator, particularly for flash equipment for photography. 2,495,301, Jan. 24.

Wengert, Orville G., State Center, Iowa. Wagon box unloading scraper. 2,495,358, Jan. 24.

Werle, Armand E., Oakland, and R. V. Mlick, San Leandro, Calif. Game device with electrical scoring means. 2,495,620, Jan. 24.

Wernts, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polyamine and wax compositions and articles treated therewith. 2,495,283, Jan. 24.

West Coast Electronics Company, assignee: *See*—
Grove, Howard G.

Westcott, Marion D., and F. D. Armentrout, Washington, D. C. Apron. 2,495,436, Jan. 24.

Westinghouse Electric Corporation, assignee: *See*—
Fisher, Martin H., and Baker.
Lusk, Eldon H.
Rigrod, William W., and Pawlishen.

Weston Electrical Instrument Corporation, assignee: *See*—
Lederer, Karl M.

Wheeler, Harold A.: *See*—
Alexanderson, Howard A., and Wheeler.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Antenna system. 2,495,399, Jan. 24.

White, John C.: *See*—
Edwards, Aubrey G., Hooper, and White.

Whitenack, Orpheus Z.: *See*—
Buscher, Harold K., and Whitenack.

Whitson, Clare H., assignee: *See*—
Whitson, John W.

Whitson, John W., assignor of one-half to C. H. Whitson, New York, N. Y. Card record apparatus. 2,495,490, Jan. 24.

Whitson, John W., assignor of one-half to C. H. Whitson, New York, N. Y. Card selecting apparatus. 2,495,491, Jan. 24.

Wihtol Industries: *See*—
Ferris, William P., and Blum.

Wihtol, Karl, assignee: *See*—
Ferris, William P., and Blum.

Wilde, Myron T., Detroit, Mich. Vacuum tube with built-in tuned inductance. 2,495,302, Jan. 24.

Williams, Edward B., Jr., Greenville, Tex. Core bit. 2,495,400, Jan. 24.

Willson, Karl S., and D. G. Ellis, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Electrodeposition of copper. 2,495,668, Jan. 24.

Wilson, Frank C., Arcade, N. Y. Device for removing or inserting sleeves. 2,495,649, Jan. 24.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for crush dressing grinding wheels. 2,495,402, Jan. 24.

Wilson, Lee, Rocky River, Ohio. Method of and apparatus for heating coiled strip metal. 2,495,561, Jan. 24.

Wisniewski, Edward J., Buffalo, N. Y. Fitting for connecting siding members. 2,495,303, Jan. 24.

Wolf, Curtis M., Greenville, Ohio. Scale-light switch. 2,495,562, Jan. 84.

Wood, Carl E., assignor to Kendall Corporation, Milwaukee, Wis. Scaffold clamp. 2,495,359, Jan. 24.

Wood, Earl H.: *See*—
Clark, David M., and Wood.

Woolslayer, Homer J., C. Jenkins, and W. H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Oil well mast structure and erection method. 2,495,563, Jan. 24.

Worthington Pump and Machinery Corporation, assignee: *See*—
Karassik, Igor J.

Worthington, Wayne H., Waterloo, Iowa, assignor to Deere Manufacturing Co. Water cooling cylinder head and jacket construction. 2,495,401, Jan. 24.

Wright, Fred J., Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Towing hitch for portable rollers. 2,495,493, Jan. 24.

Wyckoff, Ralph D., Pittsburgh, Pa., J. W. Fitzwilliam, Cambridge, Mass., and D. Salvetti, Blawnox, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Dirigible bomb. 2,495,304, Jan. 24.

Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Esters of pentaerythritol dehydration products. 2,495,305, Jan. 24.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Cooper, Harry A.

Young, Edward E.: *See*—
Young, James R., H., and E. E.

Young, Howard: *See*—
Young, James R., H., and E. E.

Young, J. W., & Sons Limited, assignee: *See*—
Young, James R., H., and E. E.

Young, James R., H. and E. E., assignors to J. W. Young & Sons Limited, Redditch, England. Fishing reel. 2,495,621, Jan. 24.

Young, Lloyd W., Elizabeth, N. J., assignor to The Linde Air products Company. Pipe mitering machine. 2,495,360, Jan. 24.

Zbrojovka Brno, Narodni Podnik, assignee: *See*—
Koucky, Josef.

Zenith Radio Corporation, assignee: *See*—
Smith, John.

Ziegenfuss, Truman S., Los Angeles, Calif. Twin bed and lounge. 2,495,494, Jan. 24.

Zurcher, Paul, Ponca City, Okla. Heat-resistant paint containing methyl silicone resin, boric acid, and a lead compound. 2,495,306, Jan. 24.

LIST OF PLANT INVENTIONS

Rose plant. E. S. Boerner. 913–15, Jan. 24.

Rose plant. W. R. Pierson, Jr. 916, Jan. 24.

LIST OF DESIGN INVENTIONS

Amusement device, Child's. G. McCandless and O. W. Dunbar. 156,982, Jan. 24.
Applicator or similar article, Heat. E. Hofman. 156,959, Jan. 24.
Bottle. F. R. High. 156,957, Jan. 24.
Bracket, Wall. C. Rehns. 157,000, Jan. 24.
Brassière. C. Gubernick. 156,954, Jan. 24.
Brooch or similar article. A. Katz. 156,964, Jan. 24.
Brooch or similar article. A. Philippe. 156,995, Jan. 24.
Brooch or similar article, Separable. A. Katz. 156,965, Jan. 24.
Brooch or similar article, Separable. A. Katz. 156,967–71, Jan. 24.
Cabinet, Vending machine. H. N. Kinne. 156,972–3, Jan. 24.
Card or the like, Display. J. Silson. 157,009, Jan. 24.
Casing section, Toaster. J. N. Polivka, G. T. Scharfenberg, and V. M. Butterfield. 156,997, Jan. 24.
Chair. J. V. Faust. 156,947, Jan. 24.
Chair, Folding. C. T. Carlson. 156,935, Jan. 24.
Cigarette case and lighter, Combined. M. Forman. 156,949, Jan. 24.
Clip, Golf bag. R. E. Newton. 156,987, Jan. 24.
Clip or similar article. W. G. Markle. 156,981, Jan. 24.
Closure, Concrete burial vault. L. E. Abbott. 156,930, Jan. 24.
Club head, Putting game. A. T. Johnson. 156,963, Jan. 24.
Container, Tampon. S. C. Fisher. 156,948, Jan. 24.
Cooker, Pressure. F. Sayers and C. B. Stevens. 157,002, Jan. 24.
Cover or the like, Box. A. A. Elisayeff and E. F. Loeschorn. 156,945, Jan. 24.
Cutter, Food. H. B. Towler. 157,012, Jan. 24.
Cutter or similar article, Vegetable. R. P. De Vault. 156,944, Jan. 24.
Dish, Edible. F. W. Moffett, Jr. 156,985, Jan. 24.
Dish or similar article. H. A. Ganser. 156,951, Jan. 24.
Dispenser, Portable drink. R. A. M. Peterson. 156,993, Jan. 24.
Doll's head or similar article. F. Paris. 156,988, Jan. 24.
Duster, Air. D. J. Peeps. 156,990, Jan. 24.
Earring or similar article. A. Katz. 156,966, Jan. 24.
Faucet shell, Sink. S. A. Young. 157,018–19, Jan. 24.
Fishing rod. J. D. McMillan. 156,983, Jan. 24.
Game board. D. Lundgren. 156,980, Jan. 24.
Griddle. O. A. Layne. 156,977, Jan. 24.
Handbag. S. Hyman. 156,962, Jan. 24.
Handbag and muff, Combined. L. Lipshutz. 156,979, Jan. 24.
Handle, Fishing rod. E. Meierjohan. 156,984, Jan. 24.
Hanger, Skirt and garment. G. L. Goetsch. 156,953, Jan. 24.
Holder, Corn Cob. J. O. Reinecke. 157,001, Jan. 24.
Holder, Enclosed knife. R. B. Hout and C. V. Ufnal. 156,960, Jan. 24.

Holder for napkins. P. Beghetti. 156,933, Jan. 24.
Holder for sewing accessories. D. E. Formhals. 156,950, Jan. 24.
Holder, Napkin. P. Beghetti. 156,932, Jan. 24.
Jar, Hand lotion dispensing. A. Morris. 156,986, Jan. 24.
Laundry machine. F. W. Perl. 156,991–2, Jan. 24.
Lighter, Table. P. Pouliot. 156,999, Jan. 24.
Mixer, Portable electric food. R. H. Andresen. 156,931, Jan. 24.
Mold or the like, Hamburger. R. E. Graves. 156,955, Jan. 24.
Necklace or similar article. A. Philippe. 156,994, Jan. 24.
Packaging machine, Vacuum. W. E. Zimmermann. 157,020, Jan. 24.
Paintbox, Water color. J. E. Knowles. 156,974, Jan. 24.
Palette, Water color. J. E. Knowles, G. P. Davis, and S. Backus, Jr. 156,975, Jan. 24.
Panel. P. Solotoy. 157,010, Jan. 24.
Panel for wall mounting, Radiant heating. G. W. Walker. 157,014, Jan. 24.
Panel, Interior wall. W. Chavalas. 156,936, Jan. 24.
Pipe, Smoking. B. Lieber. 156,978, Jan. 24.
Puppet head or similar article. F. Paris. 156,989, Jan. 24.
Rack or similar article, Display. W. S. Hassler. 156,956, Jan. 24.
Rack, Floor, display stand or similar article. E. A. Burgess. 156,934, Jan. 24.
Rack, Grooming. A. Lawrence. 156,976, Jan. 24.
Rack, Towel. E. A. Wheeler. 157,015, Jan. 24.
Rack, Utensil. C. R. Hoeft. 156,958, Jan. 24.
Receptacle or similar article, Fruit. T. Farrell. 156,946, Jan. 24.
Ring, Finger. C. G. and E. F. Gill. 156,952, Jan. 24.
Shade, Lamp. E. T. Whitmer. 157,016, Jan. 24.
Shaver, Motorless dry. R. M. Hvid. 156,961, Jan. 24.
Slip, Strapless. C. Schuster. 157,008, Jan. 24.
Spoon or other article of flatware. E. J. Conroy. 156,940, Jan. 24.
Spoon or other article of flatware. A. A. Dabrowski. 156,941–2, Jan. 24.
Spoon or similar article. E. A. Davis. 156,943, Jan. 24.
Stocking. G. Clauss. 156,937–9, Jan. 24.
Stocking. R. E. Schletter. 157,003–05, Jan. 24.
Stocking. E. L. Schubert. 157,006–07, Jan. 24.
Stretcher, Stocking. R. J. Wolfe. 157,017, Jan. 24.
Toaster. J. N. Polivka, G. T. Scharfenberg, and V. M. Butterfield. 156,996, Jan. 24.
Toaster support and carrying handle, Combination. J. N. Polivka, G. T. Scharfenberg, and V. M. Butterfield. 156,998, Jan. 24.
Tool, Fisherman's utility. W. A. Uttz. 157,013, Jan. 24.
Toy, Candy containing musical. T. H. Stough. 157,011, Jan. 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and making the same, Diamond. R. A. Schaefer. 2,495,606–07, Jan. 24.
Abrasive article, Diamond. R. H. Hunter, and W. H. Friberg. 2,495,257, Jan. 24.
Absorber, Centrifugally tuned lateral vibration. J. G. Baker. 2,495,565, Jan. 24.
Acid derivatives from unsaturated compounds, Preparation of. M. Carmack, and D. F. De Tar. 2,495,567, Jan. 24.
Adapter, Stereoscopic. J. M. Richards. 2,495,288, Jan. 24.
Aerial delivery container. P. H. Stevenson. 2,495,486, Jan. 24.
Air conditioning apparatus. C. L. Smith. 2,495,351, Jan. 24.
Air cooling device. C. K. Mousel. 2,495,537, Jan. 24.
Aircraft. A. J. Pidgeon. 2,495,643, Jan. 24.
Airway traffic indicator. E. W. Springer. 2,495,296, Jan. 24.
Air wrench. H. P. Phillips. 2,495,475, Jan. 24.
Alkali arsenite, phenols, and alkali phenolates, Production of. G. Lieberman. 2,495,215, Jan. 24.
Alkoxyphenylalkyl - alkyl amines. R. Biedermann. 2,495,404, Jan. 24.
Alkylation process. A. Gislon. 2,495,323, Jan. 24.
Anode with cemented backfill, Packaged magnesium. H. H. Miller. 2,495,466, Jan. 24.
Antenna. W. T. Ferris, and F. J. Klancnik, Jr. 2,495,579, Jan. 24.
Antenna system. H. A. Wheeler. 2,495,399, Jan. 24.
Antenna system, Directional. A. C. Beck. 2,495,219, Jan. 24.
Apparatus for bulk production of small ice. G. L. Pownall. 2,495,421, Jan. 24.
Apparatus for crush dressing grinding wheels. J. C. Wilson. 2,495,492, Jan. 24.
Apparatus for cutting continuous filament. P. Pierrat, E. Colombu, and G. Joris. 2,495,236, Jan. 24.
Apparatus for dispensing and applying alcohol to applicators. J. P. Sakowski. 2,495,551, Jan. 24.
Apparatus for dispensing viscose fluids. W. E. Cellwork. 2,495,671, Jan. 24.
Apparatus for holding infants. P. M. Rogatz. 2,495,482, Jan. 24.
Apparatus for induction heating rotatably mounted piston rings. H. P. Phillips. 2,495,474, Jan. 24.
Apparatus for making intravaginal packs. O. Popper, and G. K. Melvill. 2,495,420, Jan. 24.
Apparatus for perforating sheet material. J. W. Meaker. 2,495,534, Jan. 24.
Apparatus for producing acetylene. O. Spring. 2,495,665, Jan. 24.
Apparatus for shaping and vulcanizing pneumatic tires. L. E. Soderquist. 2,495,663, Jan. 24.
Applicator, Adhesive. J. K. M. Harrison. 2,495,328, Jan. 24.
Apron. M. D. Westcott, and F. D. Armentrout. 2,495,436, Jan. 24.
Attachment for wheel chairs, Motor. S. Duke. 2,495,573, Jan. 24.
Automatically reversible regulating valve. H. R. Crago. 2,495,226, Jan. 24.
Baking. R. L. Nafziger. 2,495,469, Jan. 24.
Bar: *See*—
  Military ribbon bar.
Bed and lounge, Twin. T. S. Ziegenfuss. 2,495,494, Jan. 24.
Binder, Magazine. H. T. Arends. 2,495,437, Jan. 24.
Bit: *See*—
  Core bit.
Blade for facsimile recorders, Unitary spring and printer. J. H. Long. 2,495,271, Jan. 24.
Blade for lawn mowers, Reel and cutter. H. Goldberg. 2,495,372, Jan. 24.
Board: *See*—
  Ventilated ironing board.
Bolometer bridge, Ambient temperature compensated. J. P. Leiphart. 2,495,268, Jan. 24.
Bomb, Dirigible. R. D. Wyckoff, J. W. Fitzwilliam, and D. Salvetti. 2,495,304, Jan. 24.
Bonding mineral insulating material. H. Napier. 2,495,597, Jan. 24.
Boring tool. H. D. Heron. 2,495,583, Jan. 24.
Bourdon spring and load element. W. I. Caldwell. 2,495,314, Jan. 24.
Bowling game comprising automatic means for setting up and separating the bowling elements. E. W. Peck. 2,495,473, Jan. 24.
Box: *See*—
  Electric outlet box.
Box for sewing-machine tables, Work conveying. D. J. Hogan. 2,495,524, Jan. 24.
Bra. L. N. Reger. 2,495,479, Jan. 24.
Bracelets, Making. R. L. Wells. 2,495,560, Jan. 24.
Brush, Industrial. K. E. Weiler. 2,495,559, Jan. 24.
Brush moving device for generators. C. E. Stroburg. 2,495,430, Jan. 24.
Burner with annular flame port, Gas pilot. W. L. Riehl. 2,495,481, Jan. 24.
Busbar construction. D. M. King. 2,495,526, Jan. 24.
Cabinet-commode, Hospital. W. S. Horn. 2,495,374, Jan. 24.
Calendar, Automatic clock. C. W. Bierig. 2,495,222, Jan. 24.
Camera and folding lens mount therefor. H. Bodlander. 2,495,223, Jan. 24.
Camera and lighting support. L. M. Krogman. 2,495,265, Jan. 24.
Camera and sliding plate shutter therefor. H. Bodlander. 2,495,224, Jan. 24.
Carrying apparatus. H. W. Moseley. 2,495,658, Jan. 24.
Carton, Display and shipping. W. J. Wells. 2,495,676, Jan. 24.
Case: *See*—
  Open-top refrigerated display case.
Case for suction cleaners of the horizontal tank type, Carrying. E. M. Smith. 2,495,391, Jan. 24.
Casting apparatus, Centrifugal. G. A. Rubissow. 2,495,483, Jan. 24.
Castor for furniture and the like. A. Pinnick. 2,495,599, Jan. 24.
Catalytic treatment and the regeneration of catalyst in stationary beds. P. C. Keith. 2,495,262, Jan. 24.
Cathode, Indirectly heated. B. O. M. Gall. 2,495,580, Jan. 24.
Cathodes for electro-winning manganese, Treating. J. H. Jacobs. 2,495,457, Jan. 24.
Cellulose derivatives and preparing same. N. Drisch, and R. Fays. 2,495,232, Jan. 24.
Cellulose, Treating. N. Drisch, and R. Fays. 2,495,239, Jan. 24.
Chair back structure. W. W. Ford. 2,495,654, Jan. 24.
Charge forming device. H. G. Tarter. 2,495,299, Jan. 24.
Chassis, Hearing aid. S. Posen, and H. E. Hanson. 2,495,546, Jan. 24.
Check valve. C. D. Panton. 2,495,542, Jan. 24.
Circuit: *See*—
  Motor control circuit.
Circuit involving rectification, Alternating current. D. C. Girard. 2,495,655, Jan. 24.
Clamp: *See*—
  Scaffold clamp.
Clasp, Adjustable. H. Vizner. 2,495,667, Jan. 24.
Cleaning machine, Dry. S. Stribling. 2,495,488, Jan. 24.
Clip: *See*—
  Putlog supporting clip.
Clock, Program. L. Y. Lassiter. 2,495,462, Jan. 24.
Closet with auxiliary chamber for a cleaning brush, Water. J.-M. T. A. Pierre. 2,495,498, Jan. 24.
Coating with lightweight aggregates. A. S. Nichols, and R. A. Prosser. 2,495,540, Jan. 24.
Combustion unit. E. P. Peregrine. 2,495,386, Jan. 24.
Communication system. H. G. Grove. 2,495,452, Jan. 24.
Compositions, including a hydrogenated semidrying oil and methacrylate resin mixture as a lubricant. V. A. Navikas. 2,495,277, Jan. 24.
Compound gauge. B. A. Larson. 2,495,529, Jan. 24.
Concrete mixer. D. O. McIntosh. 2,495,379, Jan. 24.
Condensation of acrolein with monohydric saturated aliphatic alcohols. J. E. Bludworth and R. E. Meyer. 2,495,313, Jan. 24.
Conductor and producing same, Electrically insulated. S. O. Dorst. 2,495,630, Jan. 24.
Conductor strip, Composite electrical. J. E. O'Brien and E. S. Boynton. 2,495,280, Jan. 24.
Connector: *See*—
  Plug connector.
  Tent pole connector.
Container: *See*—
  Aerial delivery container.
Container blanks with tear-strip tongues, Preparing. J. E. Socket. 2,95,294, Jan. 24.
Container with capillary controlled dispensing means. W. M. Day and R. L. Fryer, Jr. 2,495,230, Jan. 24.
Control mechanism for aircraft engines and superchargers. H. A. Alexanderson and H. A. Wheeler. 2,495,564, Jan. 24.
Control mechanism for marine steering gear. J. F. Morse. 2,495,536, Jan. 24.
Control of thermal power plants of the closed circuit type, Method of and apparatus for. F. Salzmann. 2,495,604, Jan. 24.
Control system, Antidetonant flow. T. A. Dickey. 2,495,231, Jan. 24.

Controlling bit action. W. H. Clapp. 2,495,364, Jan. 24.
Convection driven forced flow air heater. R. C. Beaver. 2,495,311, Jan. 24.
Conveyer, Furnace. J. Fallon. 2,495,578, Jan. 24.
Cooking apparatus, High-frequency electromagnetic. L. K. Marshall. 2,495,415, Jan. 24.
Cooler: *See*—
Evaporative cooler.
Copolymeric siloxanes. A. J. Barry and J. W. Gilkey. 2,495,362, Jan. 24.
Cord set, Tree-lighting electric. E. Moreno. 2,495,639, Jan. 24.
Core bit. E. B. Williams, Jr. 2,495,400, Jan. 24.
Coring device. E. E. Rigney. 2,495,422, Jan. 24.
Cornice and bracket, Adjustable. M. Eisenberg, J. E. Clements, and C. Druck. 2,495,514, Jan. 24.
Counter, Coincidence proportional. J. M. Blair and J. M. Hush. 2,495,650, Jan. 24.
Counter for totalizing current surges of varying magnitude, Response. P. Fehr. 2,495,448, Jan. 24.
Coupling: *See*—
Welded coupling.
Cracking tarry materials, Method of and apparatus for. M. H. Tuttle. 2,495,613, Jan. 24.
Crayon holder. G. W. Moore. 2,495,342, Jan. 24.
Cupola furnace. H. P. Kreulen. 2,495,264, Jan. 24.
Cutouts, Making display. O. W. Gregson and E. A. Ekstrom. 2,495,519, Jan. 24.
Cylinder head and jacket construction, Water cooling. W. H. Worthington. 2,495,401, Jan. 24.
Dehumidifier. H. P. Welerman. 2,495,619, Jan. 24.
Dehydrogenation of alkyl aromatic compounds. J. E. Nickels. 2,495,278, Jan. 24.
Detachable ornamental spectacle frame. K. Cleaver. 2,495,508, Jan. 24.
Detecting caught threads in circular looms. V. M. J. Ancet. 2,495,501, Jan. 24.
Device for removing or inserting sleeves. F. C. Wilson. 2,495,649, Jan. 24.
Dichloroacetic acid purification. E. C. Britton and L. F. Berhenke. 2,495,440, Jan. 24.
Dies, Making cutting. M. Berlin. 2,495,221, Jan. 24.
Dipping and drying machine, Button. B. C. Eisenberg. 2,495,446, Jan. 24.
Discharge device, Electrical. W. G. Mayer. 2,495,274, Jan. 24.
Discharge device, Electron. W. W. Rigrod and E. Pawlishen, deceased, by J. Pawlishen, administrator. 2,495,289, Jan. 24.
Dispenser: *See*—
Tape dispenser.
Dispenser for collapsible containers. H. Lingdell. 2,495,464, Jan. 24.
Distillation of vegetable matter with caustic and lime, Destructive. J. Urison, P. de Caligmon, and G. Pingard. 2,495,396, Jan. 24.
Door: *See*—
Garage door.
Double-ended resilient fastener. T. Roed. 2,495,348, Jan. 24.
Drier: *See*—
Film drier.
Drier. W. L. Morrison. 2,495,535, Jan. 24.
Drill: *See*—
Undercutting drill.
Drive, Auxiliary traveling turntable. W. K. Rieber. 2,495,480, Jan. 24.
Drive, Core type reel. M. H. Fisher and V. B. Baker. 2,495,245, Jan. 24.
Drive, Engine starter. J. J. Digby. 2,495,653, Jan. 24.
Drive, Variable- speed. R. M. Nardone. 2,495,470, Jan. 24.
Dust filter. H. J. Hersey, Jr. 2,495,635, Jan. 24.
Easel supporting means, Enlarging. H. A. A. A. de Gramont de Guiche. 2,495,510, Jan. 24.
Ejector, Pilot chute. A. T. Stretch, Jr. 2,495,393, Jan. 24.
Electric heater. C. F. Peterson. 2,495,419, Jan. 24.
Electric outlet box. J. L. Hook. 2,495,584, Jan. 24.
Electrical plug. E. P. Brus. 2,495,206, Jan. 24.
Electrically operated pump. L. C. Parker. 2,495,598, Jan. 24.
Electrode for electron tubes, Taut grid. G. S. Jackson. 2,495,259, Jan. 24.
Electrodeposition of copper. K. S. Willson and D. G. Ellis. 2,495,668, Jan. 24.
Electronic vacuum tube. M. J. Iatesta. 2,495,258, Jan. 24.
Electrophoretic liquid analysis apparatus having a diaphragm and cylindrical lens in the optic path. K. G. Stern. 2,495,297, Jan. 24.
Equipment for stabilizing a platform mounted in a craft, Control. F. W. Meredith. 2,495,591, Jan. 24.
Esterlike derivatives of azo dyestuffs. F. Felix, A. Heckendorn, E. Reich, N. Welt, and F. Oesterlein. 2,495,243–4, Jan. 24.
Esters of dihydric alcohols, Cyanoether. L. T. Crews. 2,495,214, Jan. 24.
Esters of pentaerythritol dehydration products. J. A. Wyler. 2,495,305, Jan. 24.
Ethylmethylpolysiloxanes. A. J. Barry and J. W. Gilkey. 2,495,363, Jan. 24.
Evaporative cooler. C. K. Mousel. 2,495,538, Jan. 24.
Extensible standard. F. S. Lewis. 2,495,674, Jan. 24.
Exterminating device, Insect. W. M. Edmonstone. 2,495,366–7, Jan. 24.
Extinguisher and ash tray, Combined cigarette. C. A. T. Ages. 2,495,496, Jan. 24.
Extractor: *See*—
Gripper-type cork extractor.
Fastener: *See*—
Double-ended resilient fas- Hair fastener.
tener.
Feeding mechanism. C. F. M. Hayes. 2,495,522, Jan. 24.
Filamentary products by the wet spinning of protein solutions, Production of insolubilized. W. A. Caldwell and J. Jack. 2,495,566, Jan. 24.
Film drier. J. T. Trimble. 2,495,612, Jan. 24.
Film transmission mechanism. D. Canady. 2,495,442, Jan. 24.
Filter: *See*—
Dust filter.
Filter for electrically heated drapes, Air. L. P. Herrington. 2,495,414, Jan. 24.
Fishing reel. J. R. Young, H. Young and E. E. Young. 2,495,621, Jan. 24.
Fitting for connecting siding members. E. J. Wisniewski. 2,495,303, Jan. 24.
Fitting for connecting tubes and pipes to tanks. M. Grunt. 2,495,373, Jan. 24.
Fitting, Pipe. J. B. Leonard. 2,495,532, Jan. 24.
Fluid apparatus. E. Cannon and E. J. Lukes. 2,495,670, Jan. 24.
Floor construction of road vehicles. A. Walsh. 2,495,557, Jan. 24.
Fluid apparatus. E. Cannon. 2,495,669, Jan. 24.
Fluid pressure operated valve. D. G. Griswold. 2,495,324, Jan. 24.
Fluid transmission. H. D. Priest. 2,495,547, Jan. 24.
Fluorine compounds, Production of organic. J. Chapman, and R. Roberts. 2,495,407, Jan. 24.
Focusing mechanism for twin lens reflex cameras. R. Stahl. 2,495,355, Jan. 24.
Forming articles of hollow glassware, Method and apparatus for. W. Hayes. 2,495,253, Jan. 24.
Forming separable fastener stringers. L. H. Morin. 2,495,592, Jan. 24.
Frame: *See*—
Detachable ornamental
spectacle frame.
Frame structures, Manufacturing tubular. H. L. Kraeft, L. J. Walters and R. F. Skerl. 2,495,333, Jan. 24.
Frozen confections, Manufacturing. C. L. Bernards, R. Bernards and P. Bernards. 2,495,403, Jan. 24.
Fuel, Diesel. D. R. Stevens. 2,495,555, Jan. 24.
Furnace: *See*—
Cupola furnace.
Fuse. P. H. Thompson. 2,495,431–2, Jan. 24.
Game device with electrical scoring means. A. E. Werle and R. V. Milck. 2,495,620, Jan. 24.
Garage door. O. L. Dautrick and S. J. Dautrick. 2,495,672, Jan. 24.
Garbage receptacle. S. Bella. 2,495,505, Jan. 24.
Garment hanger. E. L. and T. P. Lee. 2,495,335, Jan. 24.
Garment or attachment for controlling the distribution, pressure, and circulation of body fluids. D. M. Clark and E. H. Wood. 2,495,316, Jan. 24.
Gauge: *See*—
Compound gauge. Tool-locating gauge.
Paper hanger's straight
edge gauge.
Gauge for small bores, Diameter. H. K. Buscher and O. Z. Whitenack. 2,495,406, Jan. 24.
Gearing, Synchromesh change-speed. E. D. Frost. 2,495,411, Jan. 24.
Generator: *See*—
Harmonics generator.
Golf club, Adjustable. P. A. Chamberlain and C. Navratil. 2,495,444, Jan. 24.
Governor device, Centrifugal. S. Wallace. 2,495,617, Jan. 24.
Grader, Compaction. R. Q. Armington. 2,495,310, Jan. 24.
Grease, High-temperature ball-bearing. R. A. Butcosk. 2,495,651, Jan. 24.
Grinder having a split casing, Food. W. R. Amstuts. 2,495,309, Jan. 24.
Grinding screw threads. C. W. Hopkins. 2,495,329, Jan. 24.
Gripper-type cork extractor. J. N. Amigone. 2,495,308, Jan. 24.
Guide for ball valves. G. S. and E. J. Vilandré. 2,495,616, Jan. 24.
Hair fastener. W. Huppert. 2,495,455, Jan. 24.
Halide salt baths, Rectifying. I. L. Newell. 2,495,471, Jan. 24.
Hanger: *See*—
Garment hanger. Picture hanger.
Harmonics generator. L. Dorbec. 2,495,317, Jan. 24.
Harvesting machine, Grain. F. W. McConnel and D. R. Bomford. 2,495,417, Jan. 24.

Heater: *See*—
Convection driven forced Electric heater.
flow air heater.
Hearing aid having a unitary casing for the batteries and the amplifier, Wearable electronic. S. Posen and H. E. Hanson. 2,495,476, Jan. 24.
Heater controller, Electric. C. W. Kuhn and E. W. Seeger. 2,495,461, Jan. 24.
Heater for thermal power plants, Operating gas. R. Ruegg. 2,495,550, Jan. 24.
Heating appliance, Electric (infrared). C. C. Doyle. 2,495,513, Jan. 24.
Heating coiled strip metal, Method of and apparatus for. L. Wilson. 2,495,561, Jan. 24.
Heating element, Tritube. R. W. Erwin. 2,495,673, Jan. 24.
Hinge. C. E. H. Frykdahl. 2,495,371, Jan. 24.
Hinge construction, Aircraft control. R. E. Saunders and R. P. Johnston. 2,495,605, Jan. 24.
Hinge, Sofa bed. M. H. Harman. 2,495,413, Jan. 24.
Hitch for portable rollers, Towing. F. J. Wright. 2,495,493, Jan. 24.
Holder: *See*—
Crayon holder. Needle holder.
Lamp shade holder. Recessing tool holder.
Holder for hairpins. C. L. Rowley. 2,495,644, Jan. 24.
Hook: *See*—
Rotating hook.
Hydraulic pump. W. P. Ferris and N. J. Blum. 2,495,319, Jan. 24.
Hydrocarbon treating process. H. H. Voge, G. M. Good, and B. S. Greensfelder. 2,495,648, Jan. 24.
Hydrogenation of carbon monoxide-monoolefin polymers. S. L. Scott. 2,495,292, Jan. 24.
Hydroquinone, Preparation of. M. Hannion and I. Scriabine. 2,495,521, Jan. 24.
Indicator: *See*—
Airway traffic indicator. Liquid level indicator.
Indicator and tuning control, Tuning. G. E. Hansell. 2,495,326, Jan. 24.
Inertia member for retarding breechblock movement in automatic firearms. J. Koucky. 2,495,460, Jan. 24.
Inflation device. H. E. Helgis. 2,495,254, Jan. 24.
Instrument panel assembly. K. M. Lederer. 2,495,531, Jan. 24.
Insulating pad. O. R. Hoeltzel, W. S. Saville, and J. W. Larson. 2,495,636, Jan. 24.
Insulator. A. Hansen, Sr., and R. R. Brown. 2,495,252, Jan. 24.
Interconnection device, Electrical. J. F. O'Brien and E. S. Boynton. 2,495,279, Jan. 24.
Interpolymer produced from polyhydric alcohol, polybasic acid, and interpolymer of vinylaromatic compound with drying oil or acid. E. W. Kanning, E. G. Bobalek, and E. G. Hart. 2,495,458, Jan. 24.
Interpolymers of carbon monoxide and preparing the same. M. M. Brubaker. 2,495,286, Jan. 24.
Iron: *See*—
Waffle iron.
Ironing machine. H. L. Newell. 2,495,641, Jan. 24.
Joint: *See*—
Pipe joint.
Knife guiding assembly, Frozen meat cutter M. H. Teskey. 2,495,394, Jan. 24.
Knitting machine. R. Peberdy. 2,495,543, Jan. 24.
Label affixing machine. S. T. Carter. 2,495,207, Jan. 24.
Lamp shade holder. P. Chilo. 2,495,209, Jan. 24.
Lapping machine. M. Ramsay. 2,495,600, Jan. 24.
Latching means for trailers. G. C. Francis. 2,495,449, Jan. 24.
Latching mechanism for electric switches. T. B. Jochem, E. W. Seeger, and P. T. Severson. 2,495,330, Jan. 24.
Lather producing machine. A. B. Campbell. 2,495,441, Jan 24.
Layer for joining two or more structural parts of wood or like material, Intermediate friction. B. Lindham. 2,495,337, Jan. 24.
Level. J. and V. Schultes. 2,495,646, Jan. 24.
Level-square combination. J. and V. Schultes. 2,495,645, Jan. 24.
Light filter opaque to visible light and transmitting infrared radiation. W. F. Amon, Jr., and E. R. Blout. 2,495,500, Jan. 24.
Light filter opaque to visible light and transmitting infrared radiation. E. H. Land. 2,495,527, Jan. 24.
Light filter transmitting infrared radiation and opaque to visible light. W. F. Amon, Jr., and E. R. Blout. 2,495,499, Jan. 24.
Lighter, Pocket gas. M. Quercia and G. Ferdinand. 2,495,345, Jan. 24.
Liquid level indicator. C. R. McCauley. 2,495,416, Jan. 24.
Load relieving device for telescopic piston and cylinder units, Side. S. Foster. 2,495,516, Jan. 24.
Loading machine, Baled hay. W. D. and T. O. Vaughn. 2,495,647, Jan. 24.
Lock: *See*—
Truck lock.
Lock for dial gauges, Stem. E. L. Duchesne. 2,495,240, Jan. 24.
Loom picking mechanism and shaft therefor. G. C. Beatrice. 2,495,503, Jan. 24.
Lubricated valve. F. H. Mueller. 2,495,596, Jan. 24.
Lubrication apparatus for twister rings. F. L. Thomason. 2,495,300, Jan. 24.
Luminaire for surgical lighting. K. Franck. 2,495,320, Jan. 24.
Machine for die-cutting paper. E. F. Noell. 2,495,659, Jan. 24.
Machine for preparing lithographic or other printing plates as well as rubber sheets used in offset printing. J. G. Lindmark. 2,495,269, Jan. 24.
Magnetic particle inspection apparatus and method. R. A. Peterson, D. F. Heckle, and J. E. Clarke. 2,495,545, Jan. 24.
Manipulator, Duplex telegraph signal automatic. T. T. Mayorquin. 2,495,377, Jan. 24.
Manipulator, Work. H. P. Bentley and R. P. La Vonier. 2,495,438, Jan. 24.
Marker, Pastry. H. P. Shaw. 2,495,553, Jan. 24.
Mast structure and erection method, Oil well. H. J. Woolslayer, C. Jenkins, and W. H. Luttgen. 2,495,563, Jan. 24.
Measuring device, Angle and distance. E. L. Walton. 2,495,558, Jan. 24.
Metal castings, Making sound. C. G. Lutts, J. P. Hickey, and M. Bock, II. 2,495,273, Jan. 24.
Metal nitrodithioacetates, Producing. E. E. Gilberte and H. Weinberger. 2,495,322, Jan. 24.
Metal-pouring apparatus for centrifugal castings. J. J. Nolan, Jr. 2,495,541, Jan. 24.
Metal tubing, Method and apparatus for corrugating. J. W. Macklin and W. H. Grant. 2,495,533, Jan. 24.
Meter: *See*—
Stop meter.
Military ribbon bar. H. Elkies. 2,495,577, Jan. 24.
Mill. R. E. Rummins. 2,495,387, Jan. 24.
Mineral oil composition. H. E. Redman. 2,495,478, Jan. 24.
Mirror construction having a resilient securing band. O. C. Rits-Woller. 2,495,347, Jan. 24.
Mitering machine, Pipe. L. W. Young. 2,495,360, Jan. 24.
Mixer: *See*—
Concrete mixer.
Mixing apparatus. Le R. Eaby. 2,495,241, Jan. 24.
Mixing apparatus. W. W. Jones. 2,495,242, Jan. 24.
Model, Clinical. L. Coel. 2,495,568, Jan. 24.
Mold for slide fastener sliders. P. Nataler and O. G. Scheuermann. 2,495,539, Jan. 24.
Molding. I. E. Muskat. 2,495,640, Jan. 24.
Molds, Making multipiece. C. L. Milton, Jr. 2,495,276, Jan. 24.
Motor control circuit. E. R. Morton. 2,495,382, Jan. 24.
Motor stopping control, Electric. R. H. Clark. 2,495,507, Jan. 24.
Motor vehicle. G. E. Grimm. 2,495,520, Jan. 24.
Mount for fixed length automobile antenna. M. B. Friedberg. 2,495,517, Jan. 24.
Mounting arrangement for circuit elements. J. Smith. 2,495,353, Jan. 24.
Mouthpiece for reed musical instruments. H. L. Schemenauer. 2,495,484, Jan. 24.
Mute for string instruments. S. Ohab. 2,495,343, Jan. 24.
N-halo derivatives of organic sulfonamides, Preparation of. E. E. van Andel. 2,495,489, Jan. 24.
Necktie. L. H. Vandermark. 2,495,614, Jan. 24.
Needle holder. E. G. Kufall. 2,495,586, Jan. 24.
Network and selective amplifier filter, Twin-T. C. E. Dolberg. 2,495,511, Jan. 24.
Network, Radio frequency transmission. B. W. Masters. 2,495,589, Jan. 24.
Nitro olefins, Production of. C. W. Scaife and H. Baldock. 2,495,424, Jan. 24.
Nozzle, Fog producing spray. H. W. Causer. 2,495,208, Jan. 24.
Nursing unit with flow adjustment means. H. J. Revane. 2,495,548, Jan. 24.
Nut for lead screws. F. G. Costello. 2,495,409, Jan. 24.
Oiling means, Pump. E. Rawson. 2,495,601, Jan. 24.
Open-top refrigerated display case. G. E. Spangler. 2,495,554, Jan. 24.
Ornament, Hair. S. Behr. 2,495,504, Jan. 24.
Oxidation of hydrocarbons. M. H. Kotzebue. 2,495,332, Jan. 24.
Pack, Parachute chair. H. J. Moran. 2,495,381, Jan. 24.
Packing. V. W. Peterson and O. J. Maha. 2,495,660, Jan. 24.
Pad: *See*—
Insulating pad.
Pad for bathtubs, Protective. D. Rinaldi. 2,495,602, Jan. 24.
Paint containing methyl silicone resin, boric acid, and a lead compound, Heat-resistant. P. Zurcher. 2,495,306, Jan. 24.
Paper hanger's straight edge gauge. J. J. Miller. 2,495,275, Jan. 24.
Paper smoothing tool. W. Ort. 2,495,472, Jan. 24.
Parachute assembly, Portable. H. J. Moran. 2,495,341, Jan. 24.
Patterns for sheet stamping dies, Making. W. J. Bentsen. 2,495,402, Jan. 24.
Pedestal, Display. G. E. Carr. 2,495,315, Jan. 24.
Phenothiazine drench compositions. C. A. Littler. 2,495,270, Jan. 24.

Phosphate esters, Preparing. A. Bell. 2,495,220, Jan. 24.
Piano. S. C. Shill. 2,495,427, Jan. 24.
Picture hanger. R. G. Raitt. 2,495,477, Jan. 24.
Pile fabrics, Making. C. F. Taubert. 2,495,666, Jan. 24.
Pin: *See*—
Shuffleboard bowling pin.
Pinwheel, Musical. I. Cohn. 2,495,365, Jan. 24.
Pipe joint. A. C. Arbogast. 2,495,622, Jan. 24.
Pipe welding and magnetic testing apparatus. R. A. Peterson, D. F. Heckle, and J. E. Clarke. 2,495,544, Jan. 24.
Pistol with blowback breechblock, Semiautomatic. E. J. and J. C. Simonson. 2,495,428, Jan. 24.
Pitch adjusting mechanism. T. H. Troller. 2,495,433, Jan. 24.
Planimeter. N. Porges and J. T. Hogan. 2,495,675, Jan. 24.
Platform for firearms, Cartridge loading. L. F. Mulno. 2,495,384, Jan. 24.
Plug: *See*—
Electrical plug.
Plug connector. G. B. Benander. 2,495,623, Jan. 24.
Pocket for hunting garments, Muff. E. M. Henderson. 2,495,582, Jan. 24.
Pole, Adjustable clothes. R. A. Smith. 2,495,610, Jan. 24.
Polycyanohydrin made by reacting hydrogen cyanide with a monoolefin/carbon monoxide polymer. P. S. Pinkney. 2,495,284, Jan. 24.
Polymeric polyamine and wax compositions and articles treated therewith. J. H. Werntz. 2,495,283, Jan. 24.
Polymerize polyamines. H. H. Hoehn. 2,495,255, Jan. 24.
Polymeric polythiols. S. L. Scott. 2,495,293, Jan. 24.
Pontoon, Collapsible. A. Gouge. 2,495,412, Jan. 24.
Power chamber. G. R. Elliott. 2,495,369, Jan. 24.
Power transmission valve. R. L. Tweedale. 2,495,395, Jan. 24.
Power unit for machine tools. C. A. Bickel, S. A. Brandenburg and T. Foster. 2,495,312, Jan. 24.
Practice device, Drummer's. H. Adler. 2,495,495, Jan. 24.
Press with automatic bagger, Vulcanizing. L. E. Soderquist. 2,495,664, Jan. 24.
Pressing machine, Sleeve. E. I. Pearson. 2,495,281, Jan. 24.
Pressure cooker, Automatically controlled electric. M. E. Ryan. 2,495,603, Jan. 24.
Printing mechanism. J. F. Jirousek. 2,495,261, Jan. 24.
Projecting and viewing device for cards with microfilm and the like. J. F. Langan. 2,495,528, Jan. 24.
Propellants, Manufacturing. P. A. Longwell, A. D. Ayers and B. H. Sage. 2,495,216, Jan. 24.
Propeller, hub, and coupling, Feathering. A. S. de W. Herreshoff. 2,495,453, Jan. 24.
Propeller, Variable pitch. T. H. Troller. 2,495,434, Jan. 24.
Protective device, Overload. H. E. Schleicher. 2,495,608, Jan. 24.
Protractor, Dial. H. F. Semrau. 2,495,609, Jan. 24.
Pulpstone. G. N. Jeppson and W. L. Howe. 2,495,656, Jan. 24.
Pump: *See*—
Electrically operated pump. Hydraulic pump.
Pump for steam generators, Circulating. I. J. Karassik. 2,495,525, Jan. 24.
Pump or engine, Double piston valveless. W. F. Crenshaw. 2,495,445, Jan. 24.
Pump system and control. G. C. Davis. 2,495,571, Jan. 24.
Purification of manganese solutions. J. H. Jacobs. 2,495,456, Jan. 24.
Putlog supporting clip. E. B. Christoffersen. 2,495,408, Jan. 24.
Rack and ejector means for phonograph records. M. Swibel. 2,495,611, Jan. 24.
Radio and record player chassis support. E. M. and J. E. Hansen. 2,495,632, Jan. 24.
Radio receiver with band-spread tunable circuits. H. Blok and H. A. Broos. 2,495,624, Jan. 24.
Receptacle: *See*—
Garbage receptacle.
Recessing tool holder. M. J. Schlitters. 2,495,291, Jan. 24.
Record apparatus, Card. J. W. Whitson. 2,495,490, Jan. 24.
Record device. G. F. Ryan. 2,495,388, Jan. 24.
Recorder, Chronometric. W. K. Coburn. 2,495,652, Jan. 24.
Reel: *See*—
Fishing reel.
Reeling device. N. V. Smith. 2,495,392, Jan. 24.
Refrigerating systems, Conditioning. I. E. McCabe. 2,495,378, Jan. 24.
Refrigerator, Automobile. C. L. Smith. 2,495,350, Jan. 24.
Refrigerator construction. R. H. Bishop. 2,495,405, Jan. 24.
Refrigerator, Open type display. H. Hardin. 2,495,327, Jan. 24.
Refrigerator, Two-temperature. J. S. Booth. 2,495,626, Jan. 24.
Refrigerator with a top ice box. C. J. Wagner. 2,495,357, Jan. 24.
Register, Mileage. C. Apple. 2,495,502, Jan. 24.
Regulator, particularly for flash equipment for photography, Voltage. A. M. Wengel. 2,495,301, Jan. 24.
Regulator valve. E. F. Loweke. 2,495,338, Jan. 24.
Relay, Electromagnetic. J. C. Hamilton. 2,495,325, Jan. 24.
Remover, Hair. J. M. Field. 2,495,370, Jan. 24.
Removing burns from cathode-ray tubes, Method and apparatus for. A. Bramley and C. E. Swanson. 2,495,203, Jan. 24.
Reproduction material. R. J. Scanlan. 2,495,661, Jan. 24.
Retainer for railway journal boxes, Cotton waste. P. A. Fisher and E. T. Shea. 2,495,410, Jan. 24.
Rethreader. E. E. Dyson and W. H. McCormick. 2,495,318, Jan. 24.
Ring: *See*—
Transfer ring.
Roll forming machine, Sliver. J. S. Brown. 2,495,205, Jan. 24.
Rotating hook. M. Joseph. 2,495,637, Jan. 24.
Rotor for aircraft, Sustaining. R. R. Hays. 2,495,523, Jan. 24.
Safety device for firearms. L. F. Mulno. 2,495,383, Jan. 24.
Sample taker, Side wall. N. B. Brimble. 2,495,439, Jan. 24.
Scaffold clamp. C. E. Wood. 2,495,359, Jan. 24.
Scale-light switch. C. M. Wolf. 2,495,562, Jan. 24.
Scotometer, Diaphragm shutter. J. H. Korb. 2,495,263, Jan. 24.
Scraper, Earthworking. R. G. Le Tourneau. 2,495,336, Jan. 24.
Scraper, Rotary boiler hand-hole seat. O. F. Hoelzel. 2,495,256, Jan. 24.
Scraper, Wagon box unloading. O. G. Wengert. 2,495,358, Jan. 24.
Section for stator cores for induction motors. L. E. Aske. 2,495,218, Jan. 24.
Seismograph gain control system. E. J. Shimek. 2,495,390, Jan. 24.
Selecting apparatus, Card. J. W. Whitson. 2,495,491, Jan. 24.
Separation of ternary gaseous mixtures containing hydrogen and methane. I. Roberts. 2,495,549, Jan. 24.
Sharpener, Knife. A. E. Anheuser. 2,495,361, Jan. 24.
Sharpener, Pencil. O. E. Hammond. 2,495,631, Jan. 24.
Shears, Pruning. H. N. Boyer. 2,495,677, Jan. 24.
Sheave, Demountable. D. L. Kessler. 2,495,459, Jan. 24.
Shield, Breast. M. Abramson. 2,495,307, Jan. 24.
Shockproof holding device. C. D. Hayward. 2,495,638, Jan. 24.
Shoe construction. J. Meltzer. 2,495,590, Jan. 24.
Shuffleboard bowling pin. F. L. Lynn. 2,495,465, Jan. 24.
Sinker, Jiffy slip fishing. W. H. Deutsch. 2,495,572, Jan. 24.
Smelting process of recovering chemicals from the black liquor derived in pulp mills. E. A. J. Gagliardi, C. Mellor, and A. L. Hamm. 2,495,248, Jan. 24.
Snap acting device. R. D. Rohr. 2,495,349, Jan. 24.
Socket for receiving electric igniter plugs. A. J. Kroll and H. W. Bilger. 2,495,657, Jan. 24.
Socket, Vacuum tube. R. C. Larson. 2,495,267, Jan. 24.
Sodium l-ascorbate, Preparing. H. H. Fox and M. M. Creighton. 2,495,246, Jan. 24.
Sorting metallic articles. D. E. Bovey. 2,495,627, Jan. 24.
Sound control system. H. Schwartsberg. 2,495,426, Jan. 24.
Speedboat. J. S. Mason. 2,495,588, Jan. 24.
Spiral wound tension springs, Method and device for making biased. A. and L. de Vries. 2,495,212, Jan. 24.
Sponge-forming compositions, Making. A. C. Petiton. 2,495,237, Jan. 24.
Spray apparatus, Paint. T. R. Magowan. 2,495,587, Jan. 24.
Spraying apparatus. A. Lishman. 2,495,375, Jan. 24.
Sprinkler head. C. H. Ramsdell. 2,495,346, Jan. 24.
Stabilization of nickel catalysts, Liquid. J. E. Ahlberg and C. F. Hiskey. 2,495,497, Jan. 24.
Stapling machine, Pocket. C. M. Palmer. 2,495,385, Jan. 24.
Star finder. H. B. Curtis. 2,495,211, Jan. 24.
Stiffening paper match splints, Methods and materials for. H. Ellern. 2,495,575, Jan. 24.
Stock, Confection. M. P. Annarilli. 2,495,217, Jan. 24.
Stop meter. A. N. Milster. 2,495,340, Jan. 24.
Stop, Meter. L. W. Mueller. 2,495,593–5, Jan. 24.
Stopping movement of electrically operated cloth laying machines. H. W. Gilbert. 2,495,249, Jan. 24.
Stranding machine, Ribbon type. S. C. Hall. 2,495,251, Jan. 24.
Structure for electrical units, Supporting. J. Markowitz. 2,495,339, Jan. 24.
Structure for space discharge tubes, Electrode. G. W. Warren. 2,495,618, Jan. 24.
Sugar solutions, Refining. W. A. La Lande, Jr. 2,495,334, Jan. 24.
Sulfur spone iron, Production of low. R. C. Buehl, J. P. Riott, and E. P. Shoub. 2,495,225, Jan. 24.
Supplying water to internal-combustion engines. W. R. Schwindler. 2,495,485, Jan. 24.

Support: *See*—
Camera and lighting support. Radio and record player chassis support.
Switch: *See*—
Scale-light switch. Trolley section switch.
Switch control and indication system. P. M. Brannen. 2,495,204, Jan. 24.
Switch for flash attachments. J. P. Castellano. 2,495,443, Jan. 24.
Switch for fluorescent lamps, Starter. M. H. Kruger. 2,495,266, Jan. 24.
Tape dispenser. H. P. Sammann. 2,495,389, Jan. 24.
Tent pole connector. C. A. Rogers. 2,495,423, Jan. 24.
Terminal construction for primary cells. M. Friedman. 2,495,247, Jan. 24.
Tetrahydroanthraquinones, Production of. L. H. Dawsey, R. R. Umhoefer, and C. K. Muehlhausser. 2,495,229, Jan. 24.
Therapy appliance, Heat. G. C. Tong. 2,495,356, Jan. 24.
Thermosetting and thermoset compositions comprising monoolefin/carbon monoxide polymers and obtaining same. P. S. Pinkney. 2,495,282, Jan. 24.
Thioethers of polyalkylated cyclic sulfones. R. C. Morris and J. L. Van Winkle. 2,495,467, Jan. 24.
3-arylbenzothiazolium quaternary salts and preparing the same. J. J. Jennen and W. Michaelis. 2,495,260, Jan. 24.
Thrombin, Preparation of. A. Szent-Gyorgyi, K. Laki, and M. Gerendás. 2,495,298, Jan. 24.
Thumbtack. L. Veyret and P. Vanet. 2,495,238, Jan. 24.
Time-controlled means for automatic radio tuning. J. La Via, Jr. 2,495,530, Jan. 24.
Tone modifier for drums. W. D. Gladstone. 2,495,451, Jan. 24.
Tone modifier, Musical. W. D. Gladstone. 2,495,450, Jan. 24.
Tool: *See*—
Boring tool. Paper smoothing tool.
Toolholder, Thread-cutting. K. Egli. 2,495,368, Jan. 24.
Tool-locating gauge. W. A. St. Germain. 2,495,487, Jan. 24.
Tower, Bubble. M. I. Dorfan. 2,495,512, Jan. 24.
Track without articulations for universal vehicles, Endless. A. Kegrésse. 2,495,331, Jan. 24.
Trailer, Dump. L. N. Spearing and W. Hyvarl. 2,495,354, Jan. 24.
Transfer ring. W. J. Kuehnel. 2,495,585, Jan. 24.
Transmission control means. J. E. Foley. 2,495,515, Jan. 24.
Transmission mechanism, Frictional reversible. G. W. Gibbs. 2,495,518, Jan. 24.
Transmission system for musical instruments, Electrical. J. M. Hanert. 2,495,581, Jan. 24.
Trap. E. Hrabal. 2,495,454, Jan. 24.
Trap for steam irons, Condensation. A. J. Weber. 2,495,397, Jan. 24.
Tray, Ice. M. K. Buchanan. 2,495,506, Jan. 24.
Treating cellulosic materials with trimethylolphenol. N. Drisch and R. Fays. 2,495,233–4, Jan. 24.
Treating foodstuffs. P. L. Spencer. 2,495,429, Jan. 24.
Treating foodstuffs. A. E. Welch. 2,495,435, Jan. 24.
Trolley section switch. J. F. Conrad. 2,495,569, Jan. 24.
Truck arrangement. R. B. Cottrell. 2,495,570, Jan. 24.
Truck bed construction. K. G. Nielsen. 2,495,418, Jan. 24.
Truck body, Motor. C. T. and J. M. Falk. 2,495,447, Jan. 24.
Trunk lock. H. A. Cooper. 2,495,287, Jan. 24.
Tube: *See*—
Electronic vacuum tube.
Tube with built-in tuned inductance, Vacuum. M. T. Wilde. 2,495,302, Jan. 24.
Umbrella ferrule. D. Miller. 2,495,380, Jan. 24.
Undercutting drill. S. E. Cressey. 2,495,509, Jan. 24.
Valve: *See*—
Automatically reversible regulating valve. Lubricated valve.
Check valve. Power transmission valve.
Fluid pressure operated valve. Regulator valve.
Valve. V. Weber. 2,495,308, Jan. 24.
Valve apparatus, Flushing. J. M. Drum. 2,495,218, Jan. 24.
Valve assembly, Automatic safety. O. T. Broyles. 2,495,628, Jan. 24.
Valve for dispensing and proportioning sirup and carbonated water, Automatic. B. G. Copping. 2,495,210, Jan. 24.
Valve for wells, Wash. A. J. Penick. 2,495,642, Jan. 24.
Valve mechanism, Condition responsive reversing. W. O. Lum. 2,495,227, Jan. 24.
Valve system, Inverse automatic flow regulating. W. O. Lum. 2,495,272, Jan. 24.
Valve system, Reversible regulating. R. U. Berry. 2,495,228, Jan. 24.
Variable reactance means for frequency modulating an oscillator. G. Hepp. 2,495,634, Jan. 24.
Variable resistor. T. B. Gibbs, G. W. Gliman, and G. F. Laing. 2,495,321, Jan. 24.
Vehicle: *See*—
Motor vehicle.
Vending machine, Automatic. A. Eliason. 2,495,576, Jan. 24.
Ventilated ironing board. L. R. Mueller. 2,495,468, Jan. 24.
Ventilating apparatus. E. H. Lusk. 2,495,376, Jan. 24.
Viscose, Preparing. P. Pierrat and E. Colombu. 2,495,235, Jan. 24.
Visor for motor vehicles, All-weather protecting. E. F. Scraper. 2,495,662, Jan. 24.
Vulcanizing unit. G. R. Waid. 2,495,556, Jan. 24.
Waffle iron. H. H. Miller. 2,495,638, Jan. 24.
Washer and drier utilizing compression waves, Textile. F. Spanier. 2,495,295, Jan. 24.
Watchcase, Watertight. O. Schmitz. 2,495,552, Jan. 24.
Wax and polymeric polyketone compositions and articles coated therewith. H. H. Hoehn. 2,495,285, Jan. 24.
Welded coupling. W. W. Vander Clute. 2,495,615, Jan. 24.
Well repair. R. H. Smith. 2,495,352, Jan. 24.
Welt-turning apparatus in straight bar knitting machines. A. G. Edwards, G. Uchaf, M. Tydfil, H. Hooper, and J. C. White. 2,495,574, Jan. 24.
Winch, Power. R. G. Le Tourneau. 2,495,463, Jan. 24.
Winding apparatus, Film. J. F. Proch. 2,495,344, Jan. 24.
Winding device, Power-driven cable. A. V. Schultz and T. H. Tomlonson. 2,495,425, Jan. 24.
Worktable with rotary and tilting adjustments. W. O. Gilly. 2,495,250, Jan. 24.
Wort processing. W. S. Bodinus. 2,495,625, Jan. 24.
Wrench: *See*—
Air wrench.
Zinc electroplating. A. E. Chester and F. F. Reisinger. 2,495,629, Jan. 24.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 24, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

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Condition of Applications Under Examination at Close of Business Jan. 13, 1950

Total number of patent applications awaiting action, 140,033. Date of oldest new application, February 20, 1948; date of oldest amended application, January 8, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	2-14-49	5-22-48	2661
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	10-4-48	1-20-48	2557
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	7-25-49	8-10-49	715
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	9-17-48	1-14-48	2627
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	4-16-49	6-7-48	1551
6. SURLE, H., Carbon Chemistry (part)	4-22-49	2-9-49	1536
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	5-4-49	4-29-49	1266
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10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-14-49	1-10-49	1329
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	12-7-48	6-9-48	2008
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-29-49	3-18-48	1753
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20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	1-19-49	5-1-48	1954
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28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-12-49	9-4-48	1813
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-7-48	4-16-48	3102
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	5-11-49	5-10-49	1751
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-2-49	5-4-49	2076
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37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-29-49	8-12-48	1126
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	3-16-49	1-14-49	1547
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	4-11-49	2-2-48	3035
40. DRUMMOND, E. J., Receptacles (part); Packages	4-1-49	8-2-48	3281
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-5-49	4-1-48	2093
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	9-18-48	8-20-48	2217
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers.	4-2-49	2-15-49	1018
44. HARVEY, L. P., Beds; Chairs, Seats	7-16-48	2-24-48	2096
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-6-49	8-6-48	2376
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-26-48	6-18-48	1544

Total number of patent applications awaiting action, 140,033. Date of oldest new application, February 20, 1948; date of oldest amended application, January 8, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-23-49	10-15-48	2065
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	4-16-49	4-9-48	1385
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	10-1-48	6-4-48	2144
50. LEVIN, SAMUEL, Synthetic Resins	5-18-49	3-12-49	1823
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-18-49	1-4-49	1382
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	10-26-48	4-22-48	3767
53. BRINDISI, M.V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-7-49	9-4-48	1764
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-30-49	11-18-48	1191
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	4-12-49	1-22-49	1522
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	4-14-49	1-14-49	1955
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	3-22-49	6-9-48	1933
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	2-15-49	5-25-48	1744
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-26-49	12-13-48	1201
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	6-11-49	1-5-49	1031
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	2-20-48	2-19-48	2561
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices: Mechanical Guns and Projectors	3-5-49	6-16-48	2561
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	2-2-49	1-13-49	2083
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-22-49	6-14-49	1608
65. GLEICHMAN, W. C. (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	4-19-49	7-30-48	2069
66. LISANN, L., Geometrical Instruments	1-10-49	2-16-48	1666
67. KRAFFT, O. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-15-49	11-4-48	1655
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	6-1-49	3-10-49	1306
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	4-15-49	4-8-48	2069
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-21-49	11-17-48	2076
DESIGNS: BREHM, G. L.	6-1-48	6-20-49	5920

Total number of trade-mark applications awaiting action (including renewals and republications), 27,259. Date of oldest new application, Dec. 1, 1948; date of oldest amended application, Nov. 12, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	1-3-49	1-7-49	4499
2. KASCHUB, H. E., Class 46	1-31-49	1-19-49	3917
3. SUMMERS, G. S., Classes 21, 23, 26	1-18-49	7-9-49	3256
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	12-1-48	11-12-48	4416
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	1-6-49	1-3-49	3424
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	1-7-49	4-16-49	4176
7. KEYS, C. M., Classes 2, 16, 19, 36, 55	1-7-49	1-5-49	2977
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-8-49	11-25-49	303
	11-22-49	11-25-49	291

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE THOMAS

No. 5621. Decided June 28, 1949. Petition for rehearing denied

[— F.2d —; — USPQ —]

1. PATENTABILITY—INVENTION—NEW USE OF OLD COMPOSITION.

Even though appellant may be said to have discovered which of the isomeric forms of benzene hexachloride is the best insecticide, *Held* that all that he has actually accomplished is to have found a new use for an old composition, and that, under the circumstances of this case, the discovery of such new use can not be held to involve invention.

2. CLAIMS—CONSTRUCTION—INTRODUCTORY CLAUSE.

Held that the introductory clause "an insecticidal composition" is clearly a use limitation and without patentable significance.

3. PATENTABILITY—PARTICULAR SUBJECT MATTER—INSECTICIDAL COMPOSITION.

Certain claims for an insecticidal composition and method of insect control utilizing such compositions *Held* properly rejected as not adequately distinguishable from the disclosure of the reference.

APPEAL from the Patent Office. Serial No. 502,828.

AFFIRMED.

Cushman, Darby & Cushman (*William M. Cushman, Max C. Louis, Carroll F. Palmer*, and *Albert B. Griggs* of counsel) for Thomas.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner, rejecting all of the claims, 32 to 37, inclusive, and 40 to 45, inclusive, of an application for a patent, Serial No. 502,828, filed September 17, 1943, alleging new and useful improvements in "Insecticidal Compositions."

It is stated in the application that the invention relates to the production of compositions valuable as pest control agents, and especially as insecticides. The materials said to be suitable for such use comprise one or more isomers of benzene hexachloride, or a solution thereof, in a diluent or carrier for the pest control material. It is said that the γ (gamma) isomer or a mixture of isomers containing a substantial portion thereof, is the benzene hexachloride employed. Hexachloride is also known as "hexachlorocyclohexane."

Appellant has moved to dismiss the appeal as to claims 32, 35, 36, 37, 43, 44, and 45, which motion will be granted, leaving for our consideration the rejection of claims 33, 34, 40, 41, and 42, reading as follows:

33. An insecticidal composition comprising a toxicant and a carrier therefor in which the toxicant contains as an essential active ingredient benzene hexachloride from which isomers other than the γ isomer have been at least partially removed.

33. An insecticidal composition comprising a toxicant and a carrier therefor in which the toxicant contains as an essential active ingredient benzene hexachloride consisting predominantly of the γ isomer.

40. The method of insect control which comprises contacting the insect with γ benzene hexachloride.

41. The method of insect control which comprises contacting the insect with benzene hexachloride from which isomers other than the γ isomer have been at least partially removed.

42. The method of insect control which comprises contacting the insect with benzene hexachloride consisting predominantly of the γ isomer.

The cited references are as follows: Bender, 2,010,841, August 13, 1935; Wells, 2,238,714, April 15, 1941; Heilbron, Dictionary of Organic Chemicals, 1934 Ed., Vol. 1, page 127; Martin et al., Nature, 1944, pages 512 and 513; Fleck et al., Journal American Chemical Society, 1944, page 2095.

All of the claims were rejected as being too broad. Method claim 41 was further rejected on the ground of aggregation, it being held by the Examiner that the process of purifying the compound has no patentable relationship to the use of the compound in an insecticidal composition. The Board in affirming the decision of the Examiner held that the claims are not adequately distinguishable from the disclosure in the Bender reference, which shows compositions comprising the crude mixture of all four isomers of benzene hexachloride.

The principal reference relied on is the patent to Bender relating to "addition chlorination" and the manufacture of chlorinated aromatic compounds, particularly those based on hydrocarbons of the benzene series, to form aryl chlorides. There is disclosed a process employed in the making of benzene hexachloride by the introduction of benzene into a body of liquid chlorine, "the addition of chlorine following smoothly and continuously in the liquid phase and in the absence of a catalyst such as light." The chlorine is kept at about minus 15° C. by maintaining a pressure on the containing vessel of about 4 atmospheres. The benzene is introduced in a continuous stream. It is stated in the patent that the literature reports four benzene hexachlorides, all having the same molecular weight, 290.79, but melting at 112°, 129°, 157°, and 310° C., respectively. The final product of the patent is a mixture of those hexachlorides. It is also stated that benzene hexachlorides appear to be good in-

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secticides for the reason that they slowly liberate hydrochloric acid vapor and are nearly water insoluble.

The patent to Wells relates to the purification of alkyl ethers of cellulose. There is disclosed a process of purifying those ethers. The patent was cited as illustrating the Examiner's rejection of claim 41, among others not before us, as being aggregative.

The Heilbron reference was cited to show that the four isomers, α (alpha), β (beta), γ (gamma), and δ (delta), had been isolated and identified.

The Martin et al. and the Fleck et al. publications were cited by the Examiner to contradict statements in certain affidavits of record. Those publications were not relied on in the rejection of any of the claims, and in view of the facts herein, it is unnecessary to consider them in that respect.

In rejecting the claims as being too broad, it was held that, as drawn, they fail patentably to distinguish from the crude mixture disclosed in the Bender patent. The state of the prior art to the date of appellant's application has been conceded, and is set out in a paper attached to one of the affidavits of record as Exhibit A, which is the reprint of a lecture delivered in England March 8, 1945, entitled, "The Isomer of Hexachlorocyclohexane (Gammexane), An insecticide with outstanding properties" by R. E. Slade, M. C., D. Sc. (Research Controller, Imperial Chemical Industries).

It appears in the exhibit that as early as 1912, Van der Linden separated and identified the alpha, beta, gamma, and delta isomers of benzene hexachlorides, $C_6H_6Cl_6$, which was first produced in 1825, the difference between the isomers depending upon the geometric proportions of the six chlorine atoms in the molecule. It further appears that late in 1942, specimens of alpha and beta isomers were prepared and their toxicity to insects investigated. It was found that those isomers were relatively inactive to weevils, the beta isomer being practically without toxic effect. It was pointed out that early in 1943, the gamma isomer was isolated and found to be more toxic to weevils than any substance which the investigators had ever tested. It was then established that the insecticidal action of the benzene hexachloride was due almost entirely to the presence of the gamma isomer, which was said to be present as an active principle in the crude mixture to the extent of 10–12%.

It is to be observed that article claims 33 and 34 and method claim 41 define a composition containing as a toxicant, benzene hexachloride, from which isomers other than the gamma isomer have been at least partially removed, and the article claims further provide a carrier for the toxicant. The Board held that the diluting of an insecticidal toxicant with inert material is an almost universal expedient, and we have held that to combine an insecticide with a conventional liquid carrier is non-inventive. *In re Migridichian*, 27 CCPA (Patents) 806, 108 F.2d 237, 44 USPQ 77. Furthermore, the holding of the Board just noted has not been challenged in the reasons of appeal.

With respect to the identical language contained in claims 33, 34, and 41, the Board held that mixtures, immaterially different from the crude mixture of the patent, were included and affirmed the Examiner's rejection for the reason that they "fail to adequately distinguish from compositions comprising the crude mixture of all four isomers which are disclosed by Bender as a satisfactory insecticide."

It is contended by counsel for appellant that the features which render claims 33, 34, and 41 patentable reside in the increased proportions of the gamma isomer, and that therefore those claims define benzene hexachloride patentably different from the crude mixture, which is disclaimed, for the reason that the gamma isomer is in greater concentration. It does not appear what the increased proportion of the gamma isomer is, either in the claims or in the specification. In the latter it is stated that a mixture of isomers containing a substantial proportion of the gamma isomer is used.

[1] The gamma isomer of benzene hexachloride is an old composition. In the patent to Bender, the benzene hexachlorides are stated to be good insecticides. Therefore it appears to us, as it did to the tribunals of the Patent Office, that the state of the prior art was amply sufficient to suggest the use of the gamma isomer as an insecticidal composition. Even though appellant may be said to have discovered which of the isomeric forms is the best insecticide, all that he has actually accomplished is to have found a new use for an old composition, and under the circumstances of this case, the discovery of such new use can not be held to involve invention. *In re Thuau*, 30 CCPA (Patents) 979, 135 F.2d 344, 57 USPQ 324.

[2] Article claim 34 differs from claim 33 in that the essential ingredient of the toxicant consists predominantly of the gamma isomer. It seems reasonable to conclude that the expression "predominantly" was properly considered by the board to mean at least 50% of the isomer. The introductory clause "An insecticidal composition" is clearly a use limitation and without patentable significance. *In re Thuau*, supra. Any patentable novelty that could exist in the claimed composition must, if at all present, be recited in the limitations "isomers other than the γ isomer have been at least partially removed" and "consisting predominantly of the γ isomer." It is not stated in the claims what proportions of the isomers other than the gamma isomer have been removed, and neither is it set out what the predominance of the gamma isomer is. It could well be that the partial removal of any one or all of the other isomers could be infinitesimally small, and also that the predominating gamma isomer could be over 50%. There is no rule or measure laid down by which one skilled in the art could distinguish the claimed composition in a patentable sense from the old composition of benzene hexachloride. Therefore, we consider the rejected claims as failing to distinguish adequately from the old composition comprising the crude mixture of all four isomers which are disclosed in the Bender patent as a satisfactory insecticide, particularly in view of the conceded fact that the gamma isomer is an old composition.

Method claim 40 was included in the claims rejected by the Examiner as being too broad. There was no separate discussion by the Examiner or the Board with respect to the rejection of that claim. But since the Board in its decision did not expressly overrule such rejection, it stands as a general affirmance of the Examiner's action. Apparently for the reason that in rejecting claims 40 to 45, inclusive, the Examiner stated that they failed to recite operative proportions "since these claims are not limited to the gamma isomer as pointed out above," appellant urges that the claim is acknowledged to be patentable by the Examiner for the reason that it is limited to the use of the gamma isomer alone, and that the Board concurred in such acknowledgement.

In affirming the decision of the Examiner that all of the claims are too broad, the Board stated that since the gamma benzene hexachloride is old in the art and that since the teaching of the Bender patent is that the crude mixture of the four isomers is a good insecticide, the claims do not properly define appellant's contribution.

It is clearly demonstrated in the record that the gamma isomer is the toxic ingredient in the crude mixture of benzene hexachloride. It is also disclosed that benzene hexachlorides are good insecticides. Therefore, it is logical to hold that when the crude mixture is applied to an insect, it is being contacted with gamma benzene hexachloride, as called for in claim 40.

Counsel for appellant in their brief contend that claim 40 is patentable, relying on the case of *In re Williams*, 36 CCPA (Patents) —, — F.2d —, 80 USPQ 150. We are of opinion that the decision in that case does not support appellant's contention. In that case it was held that the existence of a compound as an ingredient of another substance does not negative novelty in a claim for a pure compound, although it may render such claim unpatentable for lack of invention. We do not think it is necessary, in view of what has hereinbefore been stated with respect to the pertinence of the prior art herein, to discuss further the decision in the Williams case, supra. In suffices to say that, under the facts in this case and the reasoning set out herein, the doctrine of the Williams case can not apply. Furthermore, in their brief before the Board it was the position of counsel for appellant that "In the absence of art, there is no reason why his [appellant's] claims should be restricted to gamma isomer as the sole toxicant." We think that under such circumstances, as pointed out in the brief of the solicitor, the holding of the Board, rejecting the claims as not properly defining appellant's discovery, is correct.

Method claim 41, as has been noted herein, defines the toxic substance exactly as is set out in claim 33, and our discussion of that claim is applicable to claim 41.

Method claim 42 defines the benzene hexachloride in the same language as it is defined in claim 34, and what we have said with respect to that claim applies to claim 42.

[3] We deem it unnecessary to discuss the affidavits of record here for the reason that this opinion would be thereby unnecessarily lengthened. The appeal as to claims 32, 35, 36, 37, 43, 44, and 45 is dismissed, and the decision of the Board as to claims 33, 34, 40, 41, and 42 is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,892,750, E. Rotheim, Method and apparatus for atomizing materials, appeal filed Dec. 15, 1949, C. C. A., 2d Cir., Doc. 21550, *Bridgeport Brass Co. v. Bostwick Laboratories, Inc., et al.*

1,960,260, R. D. Acton, Air cleaner, filed Dec. 14, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1913, *R. D. Acton v. United Specialties Co.*

2,013,785, M. S. Merrill, Frame straightening apparatus for automobiles; 2,042,856, same, Apparatus for straightening axles and truing the wheels of automobiles, filed Dec. 2, 1949, D. C. Utah (Salt Lake City), Doc. 1766, *M. S. Merrill v. Salt Lake Hardware Co. et al.*

2,042,856. (See 2,013,785.)

2,044,176, L. McCulloch, Non-inflammable paints, D. C., S. D. Ohio (Columbus), Doc. 2397, *W. E. Hooper & Sons Co. v. The Buckeye Fabric Finishing Co.* Decree for plaintiff Dec. 9, 1949.

2,063,413, A. H. Turner, Radio frequency control system; 2,149,700, L. R. Kirkwood, Overload control circuit; 2,207,839, W. A. Tolson, Television apparatus; 2,246,659, R. C. Ballard, Separating circuit; 2,254,090, D. W. Power, Cathode ray tube envelope; 2,296,307, same, Method of making glass-to-metal seals; 2,412,654, M. Sadowsky, Luminescent screen and method of manufacture; 2,466,784, O. H. Schade, Cathode-ray beam deflecting circuit; 2,478,744, E. L. Clark, Power recovery system, filed Dec. 13, 1949, D. C. Del. (Wilmington), Doc. 1288, *A. B. DuMont Laboratories, Inc. v. R. C. A.*

2,069,893. (See Re. 21,053.)

2,081,640. (See Re. 22,228.)

2,089,209, 2,303,368, Keuffel & Gotham, Measuring tape, D. C., E. D. Mich. (Detroit), Doc. 7006, *Keuffel & Esser Co. v. E. Z. Red Rule Mfg. Co., Inc.* Judgment holding claims 9, 10, 14, 16 and 17 of 2,089,209 valid and infringed, injunction; suit is dismissed without prejudice as to 2,303,368 Dec. 19, 1949.

2,124,695, W. W. Gleason, Spring assembly, filed Dec. 8, 1949, D. C., W. D. Pa. (Pittsburgh), Doc. 8363, *Nachman Corp. v. Fort Pitt Mfg. Co.* Same, D. C., E. D. Mich. (Detroit), Doc. 8722, *Nachman Corp. v. L. A. Young Spring & Wire Corp.*

2,134,656, M. Breth, Cloth unwinder; 2,220,230, H. W. Gilbert, Unwinding machine; 2,276,479, same, Cloth feeding device for unwinding and laying up machines, filed Dec. 6, 1949, D. C., S. D. N. Y., Doc. 54/145, *Cutting Room Appliances Corp.* v. *Klapper Sewing Machine Co. et al.*

2,149,700. (See 2,063,413.)

2,155,069, H. T. Reynolds, Fan, D. C., W. D. Mich., (Grand Rapids), Doc. 1163, *H. T. Reynolds* v. *H. Emaus et al.* Order dismissing complaint Dec. 8, 1949.

2,165,195, V. J. Sawdon, Envelope, filed Dec. 16, 1949, D. C., S. D. N. Y., Doc. 54/250, *The Sawdon Co., Inc.* v. *Popular Publications, Inc.*

2,206,762, D. S. Breeden, Holder for caskets, filed Dec. 14, 1949, D. C., W. D. Mich. (Grand Rapids), Doc. 1423, *D. S. Breeden* v. *Attwood Brass Works.*

2,207,839. (See 2,063,413.)

2,211,873, 2,274,175, P. Whitcomb, Electric hoist, 2,240,523, C. H. Schramm, Sprocket chain guide for hoists; 2,245,057, same, Electron hoist; 2,286,388, R. E. Smith, Hoist, filed Dec. 16, 1949, D. C., W. D. Mich. (Grand Rapids), Doc. 1424, *Manning, Maxwell & Moore, Inc.* v. *Hayden Supply Co.*

2,220,230. (See 2,134,656.) 2,240,528. (See 2,211,873.)

2,245,057. (See 2,211,873.) 2,246,659. (See 2,063,413.)

2,254,090. (See 2,063,413.) 2,264,322. (See 2,309,763.)

2,274,175. (See 2,211,873.) 2,276,479. (See 2,134,656.)

2,286,388. (See 2,211,873.) 2,296,307. (See 2,063,413.)

2,303,368. (See 2,089,209.)

2,309,763, C. B. Goodstein, Fastener-applying device; 2,264,322, A. H. Maynard, same, C. C. A., 2d Cir., Doc. 21421, *Bostitch, Inc.* v. *Precision Staple Corp. et al.* Decree reversed (notice Dec. 12, 1949).

2,377,261, L. F. Norris, Milk dispenser, filed Dec. 16, 1949, D. C. Minn. (Minneapolis), Doc. 3181, *Norris Dispensers, Inc.* v. *Ohleen Dairy Co.*

2,392,038. (See Re. 22,228.)

2,412,654. (See 2,063,413.)

2,450,631, E. Buchler, Garment, filed Dec. 8, 1949, D. C., S. D. N. Y., Doc. 54/169, *Arkay Infants Wear, Inc.* v. *Regal Knitwear Co., Inc., et al.* Doc. 54/170, *Arkay Infants Wear, Inc.* v. *P. Gussow.* Doc. 54/171, *Arkay Infants Wear, Inc.* v. *Miracle Knitwear, Inc., et al.*

2,452,529, 2,452,530, J. L. Snoek, Magnet core; 2,452,531, same, Process of manufacturing a magnetic material, and magnetic core, filed Dec. 14, 1949, D. C. Del. (Wilmington), Doc. 1289, *Hartford National Bank & Trust Co. et al.* v. *General Ceramics & Steatite Corp.*

2,452,530. (See 2,452,529.) 2,452,531. (See 2,452,529.)

2,454,463, Kromer & Kromer, Baby's safety sheet, D. C., N. D. Ill. (Chicago), Doc. 49c240, *E. M. Kromer et al.* v. *Resist-Tex Mfg. Co. et al.* Consent decree granting injunction Dec. 1, 1949.

2,462,156, B. Berman, Bed sheet construction, filed Dec. 2, 1949, D. C., S. D. N. Y., Doc. 54/101, *Mark-Sambar, Inc., et al.* v. *M. B. Daniels Co., Inc.*

2,264,322. (See 2,309,763). 2,466,784. (See 2,063,413.)

2,478,744. (See 2,063,413.)

2,479,477, P. Cusano, Board leveling mechanism, filed Dec. 17, 1949, D. C., S. D. Ohio (Cincinnati), Doc. 2276, *P. Cusano* v. *T. F. Wilcox.*

Re. 21,053 (of 2,069,893), A. T. Matthews, Awning, D. C., S. D. Calif. (Los Angeles), Doc. 8702–C, *A. T. Matthews* v. *The National Ventilated Awning Co. of Southern California et al.* Patent held valid, and infringed (since July 1, 1948), injunction (notice Dec. 6, 1949).

Re. 22,228 (of 2,081,640), U. K. Petersen, Ventilator attachment; 2,392,038, A. K. Gaylord, Ventilator unit, D. C., W. D. Wash. (Seattle), Doc. 2182, *Dohrmann Hotel Supply Co. et al.* v. *Brodies, Inc.* Injunction restraining defendant Dec. 9, 1949.

Des. 151,732, W. G. Bley, Lady's stocking, filed Dec. 16, 1949, D. C. Md. (Baltimore), Doc. 4818, *Sanson Hosiery Mills, Inc., et al.* v. *Enzel of Paris, Inc.* Same, D. C. N. J. (Trenton), Doc. 1034/49, *Sanson Hosiery Mills, Inc., et al.* v. *Famous Maid of Trenton, Inc.* Same, filed Dec. 19, 1949, D. C., N. D. Ohio (Cleveland), Doc. 27038, *Sanson Hosiery Mills, Inc., et al.* v. *W. H. Baetz Co., Inc.* Same, D. C., N. D. Ill. (Chicago), Doc. 49c1933, *Sanson Hosiery Mills, Inc., et al.* v. *Bonwit Teller, Inc.* Same, D. C., E. D. Mich. (Detroit), Doc. 8783, *Sanson Hosiery Mills, Inc., et al.* v. *Eaton's, Inc.* Same, filed Dec. 20, 1949, D. C. Md. (Baltimore), Doc. 4829, *Sanson Hosiery Mills, Inc., et al.* v. *Noe-Equl Corp.* Same, filed Dec. 21, 1949, D. C. N. J. (Trenton), Doc. 1009/49, *Sanson Hosiery Mills, Inc.* v. *D. Fast.* Doc. 1010/49, *Sanson Hosiery Mills, Inc.* v. *Raweek Merchandise.* Doc. 1011/49, *Sanson Hosiery Mills, Inc.* v. *M. Fiebach.* Same, filed Dec. 22, 1949, D. C. Minn. (Minneapolis), Doc. 3189, *Sanson Hosiery Mills, Inc., et al.* v. *Powers Dry Goods Co., Inc.* Same, D. C., E. D. Pa. (Philadelphia), Doc. 10429, *Sanson Hosiery Mills, Inc., et al.* v. *The Coward Shoe, Inc.* Same, filed Dec. 23, 1949, D. C., N. D. Ill., E. Div., Doc. 49c1955, *Sanson Hosiery Mills, Inc., et al.* v. *Goodfriend's Dept. Stores, Inc.* Same, D. C., M. D. N. C. (Greensboro), Doc. 493G, *Sanson Hosiery Mills, Inc., et al.* v. *S. & J. Simowitz, Inc.* Doc. 494G, *Sanson Hosiery Mills, Inc., et al.* v. *R. & H. Miller Stores, Inc.* Same, filed Dec. 27, 1949, D. C., N. D. Ala. (Birmingham), Doc. 6430, *Sanson Hosiery Mills, Inc., et al.* v. *Butlers, Inc.* Same, filed Dec. 28, 1949, D. C. Md. (Baltimore), Doc. 4838, *Sanson Hosiery Mills, Inc., et al.* v. *Lowenthal Shoe Co.* Same, filed Dec. 30, 1949, D. C., S. D. Ohio (Cincinnati), Doc. 2293, *Sanson Hosiery Mills, Inc., et al.* v. *S. S. Kresge Co., Inc.* Doc. 2294, *Sanson Hosiery Mills, Inc., et al.* v. *Leon Liebschutz & Sons.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 152,653, T. M. 172,573, Alpina Cheese Co., Swiss cheese; T. M. 216,843, same, Cheese and preserved cheese, filed Dec. 12, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1900, *Chalet Cheese Co.* v. *John H. Lindeman & Co., Inc.*

T. M. 172,573. (See T. M. 152,653.)

T. M. 216,843. (See T. M. 152,653.)

T. M. 298,011, A. R. Nicolay, Storage battery, filed Oct. 6, 1949, D. C., E. D. Pa., Philadelphia, Doc. 10176, *Nik-O-Life Corp.* v. *Bowers Battery & Spark Plug Co.*

NOTICES

Disclaimers

2,168,756.—*Donald B. Alnutt*, St. Louis, Mo. ACID RESIST POWDER FOR USE IN ETCHING. Patent dated Aug. 8, 1939. Disclaimer filed Jan. 7, 1950, by the inventor; the assignee, *Mallinckrodt Chemical Works*, joining and assenting.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, and 9 of said patent.

2,417,414.—*Clarence L. Hornberger*, Manheim Township, Lancaster County, Pa. UNIVERSAL STRIPPING ARRANGEMENT FOR DIES. Patent dated Mar. 18, 1947. Disclaimer filed Dec. 22, 1949, by the assignee, *Armstrong Cork Company.*

Hereby enters this disclaimer to claim 5 of said patent.

2,462,510.—*Nathaniel I. Korman*, Camden, N. J. ELECTRON DISCHARGE DEVICE AND ASSOCIATED CIRCUIT. Patent dated Feb. 22, 1949. Disclaimer filed Dec. 22, 1949, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claim 1 of said patent.

2,464,268.—*Norman H. Siebens*, East Orange, N. J. DISCHARGE VALVE FOR FIRE EXTINGUISHERS. Patent dated Mar. 15, 1949. Disclaimer filed Dec. 30, 1949, by the assignee, *C-O-Two Fire Equipment Company.*

Hereby enters this disclaimer to claims 1, 6 and 9 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,484,592. ADJUSTABLE ACCELERATOR PEDAL. Patented Oct. 11, 1949. Pedal for accelerator of motor vehicles is designed to adjust height or angle of throttle for persons of different sizes or for use by women wearing high- or low-heeled shoes. Means for adjusting the pedal are operable by pressure of heel upon an actuating abutment. Pedal may be applied to existing vehicles or supplied as original equipment, no special skill or tools being required for installation. Construction is readily adapted to manufacture by sheet metal stamping or die casting. (Owner) Houston B. Rodd. Correspondence to A. Yates Dowell, 1158 Munsey Bldg., 1329 E St., N. W., Washington 4, D. C. Groups 33—72; 38—31. Reg. No. 33,397.

Pat. 2,456,675. TUBE BENDER. Patented Dec. 21, 1948. This bending apparatus has a hydraulic ram that carries an interchangeable forming die having a convex face which cooperates with a pair of straight spring-loaded rocking jaws. Work is engaged between the curved face and jaws and is swept progressively around the curved face as the forming die advances relative to the jaws, the cycle of the bend being determined by the distance advanced by the die. The radius of the bend corresponds to the curve radius of the forming die face. The bending operation is initiated manually to cause the ram to advance relative to the work, perform its bending function, and retract to starting position automatically. (Owner) Aeronca Aircraft Corporation, Middletown, Ohio. Group 35—42. Reg. No. 33,398.

Pat. 2,431,059. DRINKING GLASS. Patented Nov. 18, 1947. Pair of inwardly protruding arcuate guard ledges are integrally formed on the inside of drinking glass near the rim. These ledges serve as a means of retarding the movement of ice cubes out of the glass into the mouth of an individual drinking iced beverages. (Owner) W. H. Marshall, 2133 West Manchester Ave., Los Angeles 47, Calif. Group 32—29. Reg. No. 33,399.

Pat. 2,482,110. POWER TRANSMISSION MECHANISM. Patented Sept. 20, 1949. Auxiliary power transmission for use with the main driving mechanism of a motor vehicle transfers power to trailers or other machinery. The invention may be embodied in conventional rotary driving mechanisms without changing the construction and operation. With the combined use of the auxiliary and the main driving mechanism the full capacity of the vehicle motor may be employed in propelling the vehicle. (Owner) Bernard E. Hill, R. F. D. 1, Box 101xB—7, South Jacksonville, Fla. Groups 35—66; 38—31. Reg. No. 33,400.

Pat. 2,483,205. INTERMITTENT BRAKE. Patented Sept. 27, 1949. A manually controlled auxiliary unit for use with conventional hydraulic braking systems to intermittently boost the pressure beyond that controlled by the foot brake pedal. As pressure is applied to the brakes, the space in cylinder above a piston is filled with fluid. The piston is movable endwise to contact crankshaft. Pair of cooperating cam members are adjustable to increase or decrease the action of the cams and control the degree of pressure applied to the braking system. Reciprocation of piston creates pulsations in the fluid system, providing intermittent additional braking power. (Owner) Bonnie G. Jones, Route 3, Williamsburg, Ky. Group 38—31. Reg. No. 33,401.

Pat. 2,482,334. TOY. Patented Sept. 20, 1949. Toy animal consists of a pair of matched body sections which receive a cross-wise mounted tubular fitting which contains a coil spring. The fitting is anchored in the body by lugs which fit slots in the body. Swingable legs are carried by the ends of the tubular fittings, the legs being adjustable and capable of being sustained in adjusted position by the coil spring. (Owner) Ralph A. Fernald, 122 Penobscot Ave., Millinocket, Maine. Groups 25—99; 30—51; 34—41; 39—41—81; 40. Reg. No. 33,402.

Pat. 2,484,320. TOY PROJECTILE. Patented Oct. 11, 1949. When this toy projectile strikes an object, a spring-actuated piston ejector inside a chamber containing fragments is released to discharge the fragments out of tail end of projectile. A rod inside front end of projectile is connected to the ejector. The rod may be slid forwardly until a spring detent engages an annular groove in the side of the rod to hold ejector cocked. When cocked, the front end of the rod protrudes out of the nose of projectile. Projectile may be repeatedly charged with fragments. (Owner) George S. Stevens, 1220 Thayer Drive, Richland, Wash. Group 39—41. Reg. No. 33,403.

Pat. 2,485,719. TRAFFIC SAFETY LIGHT. Patented Oct. 25, 1949. Safety light for the rear of trucks and busses consists of a green and red light marked with "Go" and "Wait" respectively. Lights (which are in addition to the usual brake or directional signal lights displayed on the rear of vehicles) are preferably located over the rear left wheels. The safety light is operated when the driver of truck or bus determines it is safe, etc., for vehicle from behind to pass. (Owner) Leonard C. Edwards, Box 1342, Sapulpa, Okla. Group 38—11—31. Reg. No. 33,404.

Pat. 2,274,590. SUCTION CONVEYING OR FEEDING APPARATUS. Patented Feb. 24, 1942. This patent shows vacuum type feeding mechanisms for duplicating machines, presses, and the like. The mechanism includes a movable carrier for conveying sheets of paper through machines of the above type, and a pair of suction manifolds for lifting a sheet from a stack on a feeding table and releasing the sheet against the underside of carrier. The carrier consists of a pair of spaced endless chains with openings through the links so that suction may be applied to them on the lower runs of the chains to grip the sheets. A pair of stationary suction manifolds are yieldingly urged against the chains on their lower runs. (Owner) J. M. Cook, 1402 21st St., N. W., Washington 6, D. C. Group 35—79. Reg. No. 33,405.

Pat. 2,475,484. METHOD AND MEANS FOR IMPARTING FEEL BACK TO A MANUALLY MOVABLE CONTROL ELEMENT. Patented July 5, 1949. The purpose of this patent is to provide an operator, such as a pilot, with a sensation of "feel" of forces acting on the surfaces of rudders, ailerons of aircraft, etc. Basically, a deflective mount supports an element on which external forces may react, and from which a signal is obtained. The deflective mount may consist of a pinion and segment between a manually operable lever and torque motor. The element may be operated by any mechanism, preferably by remote control obtained through electro-mechanical means. When deflection occurs, it is detected by a differential transformer which imparts "feel" back to a manually movable control. Numerous adaptations are cited in the patent. (Owner) D. D. DeNise, 4023 Burke Ave., Seattle 3, Wash. Groups 36—11—19; 37—21. Reg. No. 33,406.

Pat. 2,447,711. PRECISION LEVELING CHUCK. Patented Aug. 24, 1948. Four radial passages are provided in a chuck body that carries a ball on which a jaw holder, formed with a series of inclined tracks, is mounted. Each of the work-holding jaws is individually adjustable in the holder by screw-actuated wedge assembly operatively associated with the chuck body and jaw holder. The wedge assembly includes a plunger (mounted in the track) pivotally connected to a slide within the passages of the chuck. Each wedge assembly may thus be moved up or down to adjust the axis of the work held by the jaws to bring it into desired alignment. (Owner) Ernest S. Mikis, 712 Madison Ave., Akron 20, Ohio. Group 35—41—43. Reg. No. 33,407.

Pat. 2,481,149. AIR-CONDITIONING AND HEATING MEANS. Patented Sept. 6, 1949. A three-sectional unit which provides a dual system for automatically heating or cooling building interiors. The system incorporates complete air conditioning, heating and cooling apparatus within a relatively small space. The construction is fully described in the patent. (Owner) Adolphe C. Peterson, 4623 Bruce Ave. South, Minneapolis 10, Minn. Groups 33—65; 35—84; 36—21. Reg. No. 33,408.

Pat. 2,277,290. TOOLHOLDER. Patented Mar. 24, 1942. Attachment which enables ordinary lathes to be used on work requiring the use of turret lathes. Tool holder of lathe has a conical socket and key that interlocks with tools provided with keyways and conically shaped shanks. The shank is prevented from turning in its seat by a rod with a T-shaped end that passes through a central opening in the holder, the end fitting a complementary slot. Tension is exerted on the rod by a handle so that the shank is pulled into firm engagement with the seat. In this way different tools may be removed or re-inserted in the original position in holder to provide the so-called "dialing effect" of a turret lathe. (Owner) Mrs. C. W. Bennett, 2712 Glenn Ave., Los Angeles 23, Calif. Group 35—41. Reg. No. 33,409.

Pat. 2,481,835. POWER CHAIN SAW. Patented Sept. 13, 1949. Portable rig for an adjustable endless chain saw for cutting trees, logs, etc., is operable by power from a tractor or other motor vehicle. A turntable supported in a frame has an elongated carriage adjustably secured thereto. The chain saw is supported on an idler sprocket and a power sprocket at opposite ends of carriage. Cables attached to arms at sides of turntable and to windlasses feed the saw to and from the work to be cut. (Owner) Aubra L. Gannon, R. R. 3, Fort Scott, Kans. Groups 24—21; 35—53. Reg. No. 33,410.

Pat. 2,479,028. TAG-FORMING AND ATTACHING COMBINATION. Patented Aug. 16, 1949. A device for cutting and attaching tags of different sizes, shapes, and colors for placing on maps or charts to indicate progress in any project, such as oil or gas wells, etc. An elongated base has a working side with a movable carriage and an apertured die-portion through to seating side of base. The carriage has a row of openings to fit around a boss projecting from working side to communicate with the die aperture. A conventional punch cooperates with the die and carriage to punch a tag from an adhesive-coated strip placed on the carriage. The punch pushes the tag through the aperture which has a shearing edge and presses it onto a desired surface. (Owner) S. C. Stoneham, 2325 Alturas Drive, Bakersfield, Calif. Group 35—43. Reg. No. 33,411.

Pat. 2,478,159. BREAD CUTTING MACHINE. Patented Aug. 2, 1949. Electric bread-slicing machine adjustable to accommodate loaves of various sizes will slice bread any desired thickness. A T-shaped support with adjustable guides for the bread is rotatably mounted on a base. A motor-driven circular knife is tangent to support. A slidable support with an adjustable slicing gage is mounted on the T-support. A manually actuated handle shifts the slidable support to the cutting knife. Device may be used for slicing meat loaf or the like. (Owner) John Melpolder, Route 3, Grand Rapids, Mich. Groups 35—51; 36—21. Reg. No. 33,412.

Pat. 2,161,979. APPARATUS FOR DETECTING IONIZING RADIATIONS OF VERY LOW INTENSITY. Patented June 13, 1939. Apparatus which includes a Geiger-Mueller counter tube is assembled into a compact and easily handled unit, effective for locating small sources of penetrating radiation. Generally described, the apparatus is of gun-like appearance adapted to be held in one hand and aimed at the source of radiation. Counter is supported within a hollow cylinder provided with a radiation-stopping shield at one end and disposed within a holder at the other. A phone coupling is directly connected with the counter and eliminates the necessity of intervening amplification. (Co-owner) Leopold Rovner, 56 Concord Ave., Cambridge, Mass. Groups 36—92; 39—11. Reg. No. 33,413.

Pat. 2,485,878. TRACTOR-TRAILER DRIVE COUPLING. Patented Oct. 25, 1949. Coupling comprises a casing (attached to truck or tractor) which encloses a drive shaft aligned with a gear box housing a driven shaft (mounted on trailer). A sleeve with a gear formation threadedly engages the drive shaft and meshes with a mating gear on the driven shaft. The gears are movable into driving engagement by the sleeve, the sleeve being moved longitudinally by rotatable handles with respect to the drive shaft to engage or disengage the gears to operate the driven shaft. (Owner) Martin J. Hanlon, 12723 Cornado Ave., Cleveland 8, Ohio. Groups 35—69; 38—11—31—41. Reg. No. 33,414.

Pat. 2,291,913. WINDOW SASH CONSTRUCTION. Patented Aug. 4, 1942. Hermetically sealed double-glazed window sash unit fits standard size frames. Two panes of glass are set one-quarter inch apart in a continuous metal frame so that a dead-air space exists between the panes. The panes are permanently sealed within the frame by means of a rubber gasket and mastic-impregnated fabric. Thus formation of condensation on panes is prevented by eliminating leakage of air into the dead-air space. May be pre-assembled at the factory so that installation requires no special skill. (Owner) H. A. Nicolai, 252 Spreckels Bldg., San Diego 1, Calif. Groups 24—31; 33—83. Reg. No. 33,415.

Pat. 2,434,126. EXPANSION REAMER. Patented Jan. 6, 1948. Expansible reamer consists of a soft iron body having a series of angular shoulders on which hard steel cutting blades are mounted. Longitudinal openings positioned inwardly from the cutting edges extend through the body of reamer. These openings accommodate a pair of bars or rods with beveled ends which may be wedged together to expand the body of the reamer to restore the cutting edges to their proper diameter after the reamer has been in use for some time. (Owner) Henry R. Seifert, Bruno, Minn. Group 35—43. Reg. No. 33,416.

Pat. 2,468,444. AGITATOR FOR ELECTRIC REFRIGERATORS. Patented Apr. 26, 1949. The purpose of this patent is to provide means for initially agitating the liquid ingredients of ice cream in a tray during the early stages of freezing operation to obtain a smooth and uniform texture and consistency. The agitating device consists of a pair of laterally disposed rods which extend through the freezing tray to form a supporting and guiding frame for a pair of reciprocable paddles mounted on a reciprocating

shaft. The shaft is motorized and may be automatically stopped at the proper time. The agitating mechanism may be removed from the mixture to permit the final stages of freezing operation. (Co-owner) W. S. Hurley, P. O. Box 3334, Corpus Christi, Tex. Group 35—51. Reg. No. 33,417.

Pat. 2,479,752. MEMO ATTACHMENT FOR TABLE TELEPHONES. Patented Aug. 23, 1949. Device, designed to serve as a base for a table telephone, contains a memo pad that may be pulled out like a drawer. The upper corners of the device have cavities to receive the feet of phone. A plate slidably mounted inside the device is provided with a handle. A memo pad may be secured to the plate, and a pencil placed alongside the pad on the plate between a pair of spaced ribs. (Owner) Ernst Lohr. Correspondence to Rebmann, Kupfer & Co., Paradeplatz-Tiefenhofe 8, Zurich, Switzerland. Groups 25—11; 35—79; 39—81. Reg. No. 33,418.

Pat. 2,425,787. STABILIZER FOR MOTOR-DRIVEN VEHICLES. Patented Aug. 19, 1947. These stabilizers are designed to stabilize a motor vehicle against sidewise skidding, and to function as braking means in coaction with the usual vehicle brakes. Each stabilizer (one for each wheel) includes a swinging arm carrying a resiliently mounted shoe on its lower end. The arms are connected by cables to an independent foot pedal and to the usual vehicle brake pedal. The foot pedal is normally held depressed by a quickly releasable pawl to retain arms in retracted position. When this pedal is released, springs urge the arms downwardly to rock the shoes into engagement with a road surface. If vehicle tends to skid sidewise, the extended shoes will rock sidewise to bring toothed cleaving elements on the sides of the shoes into engagement with road surface. If the shoes are extended when the brake pedal is depressed, the shoes will be toed inwardly toward each other. (Owner) Clarence A. Cracraft. Peabody, Kans. Group 88—31. Reg. No. 33,419.

Pat. 2,167,653. MECHANISM FOR CHARGING, REFUSE-BURNING FURNACES. Patented Aug. 1, 1939. Mechanism for periodically dumping refuse material may be readily applied to usual types of refuse-burning furnaces, or incinerators. It includes a shielding gate of refractory material spaced below a dumping gate, both gates being simultaneously opened or closed by operation of a non-reversible motor. A manual switch is provided for starting the motor. A control in the motor circuit automatically stops the motor when the gates are moved to fully closed or open position. The mechanism for opening and closing the gates includes a crank and pitman arrangement that assumes an upper dead center position when the gates are fully closed so that the crank and pitman will effectively support the load without imposing strain or pressure on driving connections. Modifications are shown. (Owners) Francis C. Holbrook and Joseph C. Zengerle, 552 Macon St., Brooklyn 33, N. Y. Group 33—69. Reg. No. 33,420.

Pat. 2,486,706. THERMOSTATICALLY RESPONSIVE VALVE. Patented Nov. 1, 1949. This invention relates to valves which are attached to the steam vent of a radiator. The valve has an opening controlled by a bi-metallic element which actuates a simple mechanism to close or open the vent in the valve. The operation is such as to permit only cold air to be expelled. When cold air is expelled, the bi-metallic element closes the opening, preventing the steam from escaping. (Owner) Walter Eberhardt, 2134 North Sedgwick Ave., Chicago, Ill. Group 33—61—66. Reg. No. 33,421.

Pat. 2,421,198. INTERNAL COMBUSTION ENGINE. Patented May 27, 1947. Two cycle engine has a relatively short cylinder, closed at both ends, with a piston within the cylinder for high compression of the same fuel charge on both the inward and outward strokes of piston. A rigid tubular shank of piston extends through the inner end of the cylinder. A rigid tubular depending shank of the cylinder engages the inside of the piston shank with a sliding fit. Inward movement of the piston compresses the fuel charge in the inner end of the cylinder until piston approaches its inner limit. Further inward movement of the piston then uncovers exhaust ports in outer end of piston to permit the escape of exhaust gases, and then brings ports in the telescoped tubular shanks into registry to permit the compressed fuel charge to pass from the inner end to the outer end of the cylinder. (Owner) Leonard A. Guaraldi, 84 Winslow Ave., Somerville 44, Mass. Groups 35—19; 37—22; 38—31. Reg. No. 33,422.

Pat. 2,399,271. BORING BAR. Patented Apr. 30, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Collet bar braces cutter bar and is automatically fed to the work for a wide range of cuts. A pair of clamping blocks have cooperating spaced rod seats. Small spring-pressed plungers at center of lower block guide the blocks into clamping position. In use, two parallel rods are seated in the clamp between the blocks with their bores aligned. The tool bar is seated in the aligned bores and moved to the desired position and locked to make the desired cut. (Owner) Phillip A. Vonada, 420 South Burrowes St., State College, Pa. Group 35—43. Reg. No. 33,423.

Pat. 2,468,147. HIGH-FREQUENCY SHORTING BLOCK. Patented Apr. 26, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Compact coaxial tuning device has inner and outer conductors. Sleeve slidable on inner conductor has piston head at inner end which has sliding continuous contact with outer conductor. A rack attached to sleeve meshes with a pinion in frame pivoted to outer conductor. Split rings and a spring between piston head and conductors provide double assurance of continued electrical contact at all times. (Owner) Phillip A. Vonada, 420 South Burrowes St., State College, Pa. Group 36—61. Reg. No. 33,424.

Government Owned Patent

The following patent is owned by the United States as represented by the Secretary of the Interior by virtue of an assignment from the inventor, Herbert Cecil Spicer. Non-exclusive and royalty-free licenses will be granted. Inquiries concerning the patents should be directed to the Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,462,140. PORTABLE BATTERY-POWERED GAMMA-RAY COUNTING RATE METER OF HIGH SENSITIVITY. Patented Feb. 22, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Portable high voltage power supply for use with devices for indicating radio activity and the like. A battery of intermediate potential applies high voltage to electrodes of a Geiger-Mueller counter tube. Output pulses of the tube are amplified. A rectified voltage component of the pulses is applied to a shunt-connected condenser-resistance tank circuit. Voltages existing across the tank circuit are applied to the input circuit of a vacuum tube translator. A micro-current responsive indicating instrument is connected in the anode circuit of the translator. A pulse input circuit is provided, and pulses of known frequency may be injected for calibrating the indicating instrument to read the pulse rates. Group 36—19—61. Reg. No. 33,425.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING NOVEMBER AND DECEMBER, 1949

Shurhit Products, Inc.* v. *Sureline Manufacturing Co., 171 Ms. D. 580, 83 USPQ 322 (Nov. 9, 1949), Interference No. 3861. Interference proceeding; Examiner of Interferences held not bound by decision of Examiner of Trade-Marks on motion to dissolve, but required to exercise his own independent judgment based upon record before him on issue of confusing similarity or likelihood of confusion.

DANIELS, *Assistant Commissioner:*

This is an appeal from the decision of the Examiner of Interferences holding that the junior party, Shurhit Products, Inc. (hereinafter referred to as Shurhit), is entitled to the registration for which it has made application, and that the senior party, Sureline Manufacturing Co. (hereinafter referred to as Sureline), is not entitled to the registration which it has sought.

The marks involved are the first words of the respective corporate names of the parties, "Shurhit" and "Sureline." They are applied to replacement parts for automobile ignition systems. There is no question as to the similarity of the goods, nor is there any question as to Shurhit's priority of use of its mark on these products, this being conceded by Sureline. Questions on both procedural points and with respect to the similarity of the marks are raised by Sureline on this appeal, and the procedural questions will be first disposed of.

At final hearing on this interference, the Examiner of Interferences held that Shurhit was entitled to the registration for which it had made application, and that the application of Sureline must be refused without considering any question other than that of Shurhit's priority, which was conceded. It is Sureline's contention that the Examiner of Interferences should have passed upon the question of similarity of the marks of the respective parties, and it is further contended that the disposition of certain motions to dissolve, hereinafter referred to, not only placed the burden of proof as to such similarity upon Shurhit, but required proof of actual confusion by Shurhit, neither of which requirements, it is stated, has been met.

On September 12, 1947, promptly after the declaration of the interference Sureline moved to dissolve the interference on the ground that there was no interference in fact, and that there was and had been no actual confusion or likelihood of confusion between the marks. On September 22, 1947, the Examiner of Interferences, having found the motion to be in proper form, advised the parties that the files were forwarded to the Examiner of Trade-Marks for consideration of the question of dissolution. This was in accordance with rule 19.4 of the Rules of Practice in Trade-Mark Cases. Four days thereafter, on September 26, 1947, without further notice, and without any action by either party, the Examiner of Trade-Marks, after reciting the grounds urged for dissolution, dissolved the interference stating that:

"Accepting the view of the senior party that the marks are not confusingly similar, and that no confusion is likely to result when the two marks in question are applied to the respective goods, the motion for dissolution is granted. * * *"

Shurhit thereupon requested reconsideration of this decision granting the motion to dissolve, claiming surprise, and objecting to the lack of opportunity to oppose the motion to dissolve. This request was opposed by Sureline and on October 23, 1947, the Examiner of Trade-Marks vacated the decision of September 26, 1947, which had granted the motion to dissolve. In vacating the decision he stated:

"Motions for dissolution are not ordinarily set for hearing or times set for filing of briefs except upon request of one of the parties. However, it is customary to afford an opposing party ample opportunity to request that the motion be set for hearing or for filing of a reply brief. Since this procedure was not followed, the decision of September 26, 1947, granting the motion for dissolution, is vacated."

Shurhit thereupon requested a hearing upon the original motion to dissolve and after a hearing, on briefs and oral argument, the Examiner of Trade-Marks denied the motion to dissolve. In this decision the Examiner of Trade-Marks outlined the contentions of each of the parties, referring to Sureline's contention that there was no actual or probable confusion and to Shurhit's statements that confusion was "'inevitable,' and that it is gratuitous to hold otherwise 'in the absence of any testimony which is yet to be taken.'" As a parenthetical comment, the Examiner of Trade-Marks added that "(At the hearing its [Shurhit's] representative expressed desire to adduce testimony on the matter.)"

Shurhit thereafter took testimony which Sureline contends had no reference to any question of confusion between the marks as applied to the goods, and shortly before the time of final hearing Sureline renewed its motion to dissolve requesting that the original decision dissolving the interference be reinstated because of lack of evidence of such confusion. This motion was denied by the Examiner of Interferences, and, as already indicated, when Sureline's contention as to lack of similarity of the marks was presented at final hearing the Examiner of Interferences made no ruling on this question, holding that the only question for consideration was that of priority. Sureline contends that the Examiner of Interferences should have passed upon the question of similarity of the marks and that, in considering this, proof of actual confusion was required by Shurhit, and that, since none was presented, it should have been held that Sureline was entitled to the registration which it sought.

I cannot agree with the contention that the proceedings on the motion to dissolve before the Exam-

iner of Trade-Marks required proof of actual confusion. The original decision dissolving the motion was vacated without restriction prior to any argument on the part of Shurhit, except that dealing with the impropriety of the summary action in granting the motion. The precise reasons for granting the motion in the first instance without having, or affording, any opportunity for opposition thereto is not made clear by this record, but it is obvious from the comments of the Examiner of Trade-Marks in vacating it, that it was vacated because it had been improvidently and inadvertently granted without giving the opposing party an opportunity to be heard, or even to indicate whether or not it objected thereto. The decision which denied the motion to dissolve was the first considered ruling on that motion upon its merits and was in no sense conditional or based upon any statements made as to specific proof of confusion. There is nothing to indicate that either party made any waiver or concession and the decision on the motion simply left the parties in the position they would have been in had the motion been considered for the first time and denied. No commitment by Shurhit, nor any requirement by the Examiner, as to any unusual degree of proof can result from the action of the Examiner of Trade-Marks denying the motion to dissolve.

The ruling of the Examiner of Interferences that he was bound by the decision of the Examiner of Trade-Marks on the motion to dissolve and could consider nothing but the question of priority is believed to have resulted from the various procedural matters above mentioned, and to have been intended as a ruling that there was no unusual burden upon Shurhit to establish confusion. Whatever may have been intended, however, the result has been to refuse any ruling on the question of confusing similarity, or lack thereof, between the marks of the parties as applied to their respective goods, which was, in my opinion, a proper matter for the Examiner of Interferences to have considered upon the record presented at final hearing.

Rule 19.5 of the Rules of Practice in Trade-Mark Cases provides that:

"The decision of the Examiner of Trade-Marks upon a motion for dissolution will be binding upon the Examiner of Interferences * * *."

This refers to an interlocutory motion in accordance with rule 19.4, based upon the comparison of marks and goods as set out and described in the applications. It would be controlling upon the Examiner of Interferences during any further interlocutory proceedings, since it is clearly not intended that the Examiner of Interferences shall either affirm or reverse the action of the Examiner of Trade-Marks declaring an interference. (*Pratt Food Co. v. The Crate Mills and Security Mills and Feed Co.*, 18 CCPA 1083, 47 F.2d 960.)

At final hearing, however, after the presentation of evidence, the Examiner of Interferences may pass not only on the question of priority, but on any questions in the case relating to the right of registration, including the similarity, or dissimilarity of the marks as applied to the goods in view of the evidence presented. Section 7 of the Trade-Mark Act of 1905, referring to interferences provides that the Examiner of Interferences shall determine "the question of the right of registration to such trade-mark, * * *" (see also section 17 of the Trade-Mark Act of 1946). In this case Shurhit presented testimony. While I agree with the contention of Sureline's counsel that such testimony was in the main, if not entirely, directed to proof of Shurhit's prior use of its mark it did include testimony as to marketing methods, sales outlets, and other matters which are sometimes considered in determining whether or not there is likelihood of confusion between particular marks as applied to particular goods. In any event it constituted a record different from the record (or lack of record), which was before the Examiner of Trade-Marks at the time he denied the motion to dissolve, and Sureline was entitled to have any questions as to right to registration decided by the Examiner of Interferences at final hearing, including the only question which it now presents, that of similarity of the marks.

Sureline having been entitled to a decision on that question by the Examiner of Interferences, and having received no determination of this question, would clearly be entitled to have that question decided by the Examiner of Interferences, and ordinarily Patent Office procedure would require such decision before the case is decided on appeal. *Celanese Corporation of America* v. *American Viscose Corporation*, 80 USPQ 48, petition for reconsideration, 80 USPQ 183. Sureline, while insisting upon its rights to have this question decided, and to have had it decided by the Examiner of Interferences, stated upon the argument of this appeal that it would prefer to have the question decided without remanding it for determination by the Examiner of Interferences. Counsel for Shurhit also indicated his preference for this procedure. Under the particular circumstances of this case, and to avoid the necessity of additional trouble and expense to the parties resulting from procedural confusion in this case, the case will not be remanded, and the question of similarity of the marks will be considered on the record presented.

In addition to contending that Shurhit must prove actual confusion, which has already been considered and cannot be accepted, Sureline contends that "there has been no confusion during ten years of continuous side-by-side use * * *" and that this should be "persuasive as against a more presumption of likelihood of confusion" from comparison of the marks. In support of this it is stated that the products of the parties are sold in the same territory, sold through the same outlets; that the products of both parties are sold to skilled purchasers; and that, if there was any possibility of confusion instances thereof would necessarily have arisen before this. Sureline, however, took no testimony and can rely only upon its filing date, December 29, 1945, as indicating the length of time during which its products have been sold. The date of first use set out in the application (March 19, 1939, as to some of the specific products) is an ex parte affidavit, and is not binding on Shurhit. This is also true as to statements of use in the same territory. While the manufacturing establishments of the parties are close together, there is nothing of record to indicate where Sureline's products are sold. There is testimony as to Shurhit's methods of distribution and sale, but none as to Sureline's. Nor can I consider testimony taken in an opposition proceeding brought by a third party (*Tungsten Repair Parts, Inc.* v. *Sureline Manufacturing Co.*, 617 O. G. 941, 79 USPQ 272), since the record in that case was not incorporated herein, and in the absence of an opportunity to object thereto, or to cross-examine witnesses, is not binding on Shurhit. It cannot, therefore, be found that the use of the marks has been such as to indicate that there is no likelihood of confusion between the marks.

With respect to arguments based on manner of merchandising automobile spare parts, generally, and customs of ordering and sale of such products as indicating lack of confusion between these marks as applied to the goods, it is not considered necessary to repeat the comments made in *Tungsten Repair Parts, Inc.* v. *Sureline Manufacturing Co.*, supra. The goods are very similar, and in part apparently identical, and "SURELINE" and "SHURHIT" appear to me so similar that, as applied to these products, confusion in trade is quite likely. *McKesson & Robbins, Inc.* v. *American Foundation for Dental Science*, 32 CCPA 1235, 150 F.2d 420; *Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 CCPA 1224, 83 F.2d 906; *Van Pelt & Brown, Inc.* v. *John Wyeth & Brother, Inc.*, 34 CCPA 1033, 166 F.2d 244; *McKesson & Robbins, Incorporated* v. *First Texas Chemical Manufacturing Co.*, 34 CCPA 877, 159 F.2d 770.

Accordingly, while not in agreement with the decision of the Examiner of Interferences as to certain procedural questions above outlined, it is my opinion that the disposition of the case made by him, that the junior party, Shurhit, is entitled to registration for which it has made application, and that the senior party, Sureline, is not entitled to the registration it seeks, must be affirmed.

The decision of the Examiner of Interferences is affirmed.

Petitions for Cancellation are sustained in the following cases by DANIELS, *Assistant Commissioner*.

William Power v. *I. A. Kreiner*, 171 Ms. D. 620, 83 USPQ 470 (Dec. 7, 1949), Cancellation No. 5153. The mark "ABSORB-OL" registered under the act of 1920 for "floor cleaning compound" held subject to cancellation in view of petitioner's prior use and ownership of the notation "ABSORB-ALL" for "an oil absorbent compound for floors and kindred uses."

Compania "Ron Bacardi," S. A. v. *Ronrico Corporation (Ronrico Corporation, a Corporation of Delaware, Substituted)*, 171 Ms. D. 614, 83 USPQ 473 (Dec. 7, 1949), Cancellation No. 4700. The notation "BEST RUM BAR NONE" cancelled on the ground that the notation is not a trade-mark under the act of 1920, and consists of mere laudatory wording, incapable of distinguishing respondent's goods from those of its competitors. Motion for rehearing denied.

DANIELS, *Assistant Commissioner:*

This cancellation proceeding involves a registration of a trade-mark for rum under the Trade-Mark Act of March 19, 1920. The mark disclosed in that registration consists of the notation, "BEST RUM BAR NONE." The Examiner of Interferences has sustained the petition and recommended that the registration be canceled on the ground that the notation is not a trade-mark under the contemplation of the act of 1920, and consists of mere laudatory wording, incapable of distinguishing respondent's goods from those of its competitors. Respondent appeals.

It is not considered necessary to review the evidence, or the various dictionary and other authorities referred to in the briefs, as to the meaning of the mark. That it is a mere laudatory statement, designating the high quality or character of respondent's rum, and merely means that it is the best rum, without exception, is, in my opinion, too clear to require discussion. As such it is inherently incapable of indicating source or origin, and is clearly available to any producer of an article who may be in a position, and who may desire, to make such a vainglorious claim as to its particular product. As was stated in *Burmel Handkerchief Corporation* v. *Cluett, Peabody & Co.*, 29 CCPA 1024, 127 F.2d 318:

"* * * We are further of opinion that the notation inherently cannot function as a trade-mark. Such a common expression which can indicate nothing but high quality surely would not be indicative of origin to the purchasing public."

See also *Ex parte Keyless Auto Clock Company*, 1923 C. D. 25, 309 O. G. 223; *Ex parte Chocolate Products Company*, 144 Ms. D. 103, 16 T. M. Rep. 370; *Ex parte Van Raalte Co., Inc.*, 600 O. G. 675, 73 USPQ 490; and *Ex parte Holt*, 1925 C. D. 118, 340 O. G. 557.

The respondent has submitted testimony of certain salesmen and bartenders as to requests for the respondent's product as "BEST RUM BAR NONE." In many instances, these statements were elicited by leading questions, or following leading questions which were propounded and withdrawn on proper objection, but the testimony of these same witnesses indicates that many of them refer to it in its descriptive sense. It is not considered necessary to analyze or review this testimony in detail. It does not convince me that any customer used it in any other than its obvious meaning and, even if so used with reference to respondent's product, it is equally plausible that they were calling for it with reference to its obvious laudatory meaning. That it has been widely advertised and publicized in connection with the name of the product cannot be questioned on the record presented, but this in no way changes its obvious meaning. *Ex parte Fram Corporation*, 551 O. G. 737, 57 USPQ 330, (petition for rehearing 552 O. G. 571, 57 USPQ 462).

From the foregoing, it is my opinion that the mark should not have been registered. It is not, however, subject to cancellation except upon the

petition of a party who establishes that it is likely to be injured by the registration. In the case of a mark registered under the act of February 20, 1905, it has been held that the registration of a descriptive word may be canceled without any showing of use by one engaged in competitive business, since such a registration constitutes prima facie proof of ownership and would therefore interfere with use of a common descriptive word or words by the petitioner or his customers. (*Burmel Handkerchief Corporation* v. *Cluett, Peabody & Co.*, supra.) This is not true, however, of a descriptive term registered under the Trade-Mark Act of 1920, since mere descriptiveness is no bar to such registrations, and they do not constitute prima facie proof of ownership. *Armstrong Paint and Varnish Works* v. *Nu-Enamel Corporation*, 305 U. S. 315, 39 USPQ 402. Accordingly proof of damage in addition to the fact that petitioner is a corporator of the registrant is required. *McKesson & Robbins* v. *The Centaur Co.*, 156 Ms. D. 576, 8 USPQ 217.

When, however, a mark goes beyond mere descriptiveness, and, as in this case, is incapable of indicating origin or ownership, it would appear that no actual proof of use of the identical mark should be required. Petitioner has proven that it has used the phrase, "The World's Finest Rum," in connection with its product and, since the two terms are substantially identical in meaning, it is believed that such use is sufficent to indicate damage under the circumstances of this case. Petitioner also contends that the burden which has been placed upon it by claims of actual distinctiveness by respondent, and the resulting necessity of conducting opposition proceedings (against an application by respondent for registration of this same mark under the Trade-Mark Act of 1905), is sufficient to show damage. Since the use of an equivalent phrase is considered adequate showing of damage, this contention need not be considered, but might well be supported by *Kellogg Company* v. *The Shredded Wheat Company (National Biscuit Company, Assignee Substituted)*, 544 O. G. 695, 55 USPQ 213, and petition for rehearing, 546 O. G. 604, 55 USPQ 487.

The decision of the Examiner of Interferences is affirmed.

Petitions for cancellation were dismissed in the following cases by DANIELS, *Assistant Commissioner*.

United-Carr Fastener Corporation v. *The Capewell Manufacturing Company*, 171 Ms. D. 609, 83 USPQ 471 (Dec. 7, 1949). Cancellation No. 5116. A registrant's mark described as

"• • • composed of a black disc surrounded by a circular line spaced from the disc a distance approximately twice the thickness of the circular line, and from which two groups of horizontal lines extend tangentially in opposite directions from the upper and lower parts of the circular line"

held not subject to cancellation because of petitioner's prior use of the trade-mark "DOT," both the word and symbol, for a variety of fasteners.

DANIELS, *Assistant Commissioner:*

This is an appeal from the decision of the Examiner of Trade-Mark Interferences sustaining a petition for cancellation of a registration of a trade-mark for "nails," registered November 14, 1939, under the Trade-Mark Act of 1905. The mark shown in the registration sought to be canceled is described by the Examiner of Interferences as:

"• • • composed of a black disc surrounded by a circular line spaced from the disc a distance approximately twice the thickness of the circular line, and from which two groups of horizontal lines extend tangentially in opposite directions from the upper and lower parts of the circular line."

This description is quoted by each of the parties in their briefs and is apparently regarded by both as accurately describing the mark. From an examination of the registration I agree with this *description*, but think it might be well to note that the two groups of horizontal lines, extending tangentially, differ in length, and apparently are intended to give an impression of movement or speed.

The petition for cancellation sets out petitioner's ownership and prior use of the trade-mark "DOT," both the word and symbol, and their use as trademarks, for a varied and diverse line of fasteners for various uses, alleging that respondent's goods are of the same class and of the same descriptive properties as the said goods of petitioner, and further alleging such resemblance between the marks of the parties as to give rise to likelihood of confusion. Several registrations of the word "Dot," and the representation of a dot for snap fasteners were alleged and proven.

Upon the record presented, it is established that petitioner has used the trade-mark "Dot," both the word and symbol, for many years prior to any use claimed by respondent upon a wide line of fasteners, particularly snap fasteners, and on metal stampings of various types. The words "The Dot Line of Fasteners" has also been used. Petitioner's products include ratchet nails, nail studs, and drive screws, apparently used ordinarily in connection with or as part of fasteners, but at times sold separately. Apparently referring to these latter items, the Examiner of Interferences found that petitioner had used its marks on goods possessing the same descriptive properties as those of the respondent. Respondent contends that evidence as to such products was inadmissible and that such products are being used for specialized purposes and are not goods of the same descriptive properties as respondent's nails. In view of the conclusion which I have reached as to the marks of the parties here involved, it is not considered necessary to review this evidence in detail, it being sufficient to state that I agree with the conclusion that respondent's nails are goods which possess broadly the same descriptive properties as petitioner's ratchet nails, nail studs and drive screws, although differing as to their specific nature.

The evidence submitted establishes that petitioner has used its mark (both as to the word and symbol) upon the goods referred to for many years; that the volume of sales of fasteners under such marks has been very large, and that they have been widely advertised and have attained wide public recognition. Both the word and the symbol have been used interchangeably and in many instances, when space permitted, together. No question as to priority, or of

petitioner's rights to its "Dot" mark is, or in my opinion, can be raised upon this record. The petitioner has, however, the burden of establishing that the mark registered by respondent so nearly resembles its mark that there is reasonable likelihood of confusion between them. This, in my opinion, it has failed to establish. Petitioner's mark consists of a "dot," or the word "dot," and, as already indicated, has been widely recognized as such. The respondent's mark is a complete design. It is true that the center part of respondent's mark and that making up the greatest portion thereof, with reference to size, is a black circular design, identified by the Examiner of Interferences and referred to by the parties as a disc. That a large dot may be a disc as contended by the petitioner is probably correct, but its identity as such would have to be recognizable to consider them to be the same. However, respondent's mark must be considered in its entirety, and examination of the marks does not give any impression of similarity to that of petitioner. It is an integral design and one which, in my opinion, differs radically from petitioner's mark. If it were merely a dot, even a large dot, with nondistinctive ornamentation added thereto, a different conclusion might be reached, but examination of the marks indicates clearly that this is not the case.

In finding the marks to be similar the Examiner stated that:

"While the mark of the respondent contains certain other features, it is believed quite obvious that the black disc portion thereof comprises the dominating feature thereof, and the one most likely to be retained in the minds of purchasers. While this disc portion of the mark may be relatively larger in diameter than the dot symbol constituting the mark of the petitioner, this difference is merely one of degree, and is not believed to be a sufficient variation to support a holding that the marks are not confusingly similar. Moreover, there is obviously nothing to preclude either of the parties from varying the size of their respective marks, with the likelihood of both being represented so nearly the same in size as to be indistinguishable. Petitioner's Exhibit 9, for example, is an illustration of such variation as to size of the petitioner's mark represented thereon which clearly comes within the definition of the 'dot symbol.'"

Petitioner's Exhibit 9 referred to a picture of a large packing box on which appear the words, "THE 'DOT' LINE," the word "DOT" being in the center above the symbol of a dot, which according to the testimony, would be, on a box of the size shown, approximately two inches in diameter. Nevertheless, it is clearly recognizable as a dot, and it is upon this, the dot, name and symbol, that petitioner has built the recognition of its mark. While it is well settled, as found by the Examiner of Interferences, that in the comparison of marks equal weight need not be given to all parts of the mark, a design of the type of respondent's mark does not appear to me to be separable into parts. The rule against dissection of marks is particularly applicable to designs as distinguished from words, and it would appear that either in its entirety it resembles petitioner's mark, or that it does not resemble it at all. As stated by the court in *Mishawaka Rubber and Woolen Manufacturing Company* v. *S. S. Kresge Company*, 119 F.2d 316, 49 USPQ 419 (reversed on the question of damages, 316 U. S. 203, 53 USPQ 323):

"The degree of resemblance necessary to constitute infringement is incapable of exact definition. All that courts of justice can do in that regard is to say that no manufacturer or seller can adopt a trade-mark so resembling that of another trader that ordinary purchasers buying with ordinary caution are likely to be misled and each case must be determined on facts peculiar to it. In the case of a symbol merely, an imitation must be fairly exact to infringe.

Also, as stated in *Bausch & Lomb Optical Company* v. *International Industries, Inc.*, (cited by petitioner) 31 CCPA 1109, 142 F.2d 1016:

"• • • Certainly, the law is well settled that if an applicant appropriates the essential feature of another's registered mark, regardless of whether it is a triangle or any other figure or symbol in common use, it must not be the essential feature of his mark, and he must use such figure or symbol in such a way in connection with other matter as to avoid the likelihood of confusion.

While in that case the Court found that the mark of the applicant was not so distinguished, a comparison of the marks here involved leads me to the opposite conclusion. The circular portion of respondent's mark does not appear to me to be a dot, or a figure which would be associated with a dot in the mind of the observer, or even with a large dot, and, in any event, I cannot agree with the Examiner of Interferences that it should be considered the "dominating feature" of the mark, since it does not appear to be separable or in anyway to stand out as a separate or distinct feature of the entire design.

In view of the foregoing, it is my opinion that the petitioner has failed to sustain the burden of proof of showing that the mark of the respondent sought to be canceled so nearly resembles its well-known "DOT" mark that confusion in trade is likely.

The decision of the Examiner of Interferences is reversed.

In the following cases, the opposition was sustained by DANIELS, *Assistant Commissioner*.

Chanel, Inc. v. *Perfumes Habana, S. A.*, 171 Ms. D. 613, 83 USPQ 469 (Dec. 7, 1949), Opposition No. 26,569. The words "CHANCE" and "Cherigan," appearing, respectively, above and below a fanciful representation of a man and a women as a trade-mark for "perfumes, eau de cologne, rouges and lip colorings," held unregistrable under 1905 act in view of opposer's mark "CHANEL" for "face powder, perfume, eau de cologne, toilet water, lipstick and rouge."

Wyeth Incorporated v. *The National Drug Company*, 171 Ms. D. —, — USPQ — (Dec. 28, 1949), Opposition No. 27,105. The word "PROTINAL" as a trade-mark for "an amino acid preparation of intact protein . . ." held unregistrable in view of opposer's registered mark "PROVATOL" for "concentrates and preparations rich in vitamin activity."

In the following cases, the opposition was dismissed by DANIELS, *Assistant Commissioner*.

Eugene, Ltd. v. *Baldwin Pharmacal Company (Day Chemical Co., assignee, substituted)*, 171 Ms. D. 627, 83 USPQ 535 (Dec. 21, 1949), Opposition No. 26,738. The notation "HED-GENE," "HED"

being disclaimed, as a trade-mark under act of 1905 for "lotion to kill lice and nits on the human head and body," held registrable over opposer's trade-marks "EUGENE," "AEROGENE," "SETAGENE," "EUGENEOL," and "VUE-GENE," as applied to various products used in hair-waving and in the treatment and dressing of the hair.

Tropic-Aire, Incorporated v. *Walter Dusenbury Harper*, 171 Ms. D. —, — USPQ — (Dec. 29, 1949), Opposition No. 27,747. The notation "Tailoredaire" held registrable as a trade-mark under act of 1905 for air conditioning equipment over opposer's marks "TROPIC-AIRE" for "heaters for automotive vehicles heated by the vehicle engine cooling fluid" and "TROPIC-AIRE CONDITIONED" ("AIRE CONDITIONED" being disclaimed) for "air heating, air cooling, and ventilating units for motor vehicles," both registered under the same act.

J. L. Ferguson Company v. *Island Equipment Corp.*, 171 Ms. D. 617, 83 USPQ 468 (Dec. 7, 1949), Opposition No. 25,852. The notation "Styl-O-Matic" held registrable under act of 1905 for "conveyor apparatus of the endless belt type for moving, handling, accumulating and unscrambling units such as bottles, jars, cans, containers, cases and small individual packages," over opposer's trade-mark "PACKOMATIC" registered under the same act for "packaging machinery—namely, carton-sealing machines, machines for automatically filling predetermined amount of products into receptacles, carton-forming machines, container-sealing machines, packing and wrapping tables, special machinery made to order, dies, and repair parts therefor."

Whitehall Pharmacal Company v. *Raymond T. Wagner*, 171 Ms. D. 621, 83 USPQ 529 (Dec. 14, 1949), Opposition No. 27,247. The word "FREEZ-EX" held registrable as a trade-mark for "veterinary preparation to be used externally for relief of aches, pains, stiffness, and soreness from various causes in the legs of horses" over opposer's registered mark "Freezone" for an "external remedy for treatment of the feet."

Celanese Corporation of America v. *E. I. du Pont de Nemours and Company*, 171 Ms. D. 624, 83 USPQ 530 (Dec. 15, 1949), Cancellation No. 4220. The word "ZELAN" for "a chemical compound, being in the nature of textile finish with water repellent characteristics" held not confusingly similar to petitioner's "CELANESE" for threads, fabrics, dye stuff, etc., both registered under the act of 1905.

In the following cases, the marks were held unregistrable on appeal from the Examiner of Trade-Marks by DANIELS, *Assistant Commissioner*.

Ex parte Reeve Brothers, Inc., 171 Ms. D. —, — USPQ — (Dec. 27, 1949). The word "Reeves," together with other words such as "FABRICS," "FINISHING," "DYEING," "WEAVING," and "SPINNING," all wording except "Reeves" having been disclaimed, as a trade-mark for "piece goods of cotton, rayon, wool and synthetic fibres," refused registration on the Principal Register under the act of 1946 on the ground that the mark presented is primarily merely a surname.

DANIELS, *Assistant Commissioner:*

This is an appeal from the final refusal of an application for registration of a trade-mark for "piece goods of cotton, rayon, wool and synthetic fibres," on the Principal Register, under the Trade-Mark Act of 1946.

The mark sought to be registered consists of the word "Reeves," displayed on a light-colored representation of a swatch of cloth behind which appear overlapping, offset representations of swatches of cloth, dark in color, and diminishing in size from front to rear. The word "FABRICS" appears below the word "Reeves" on the front swatch, and the words "FINISHING," "DYEING," "WEAVING," and "SPINNING," on the exposed upper portions of the other swatches, all wording except "Reeves" having been disclaimed.

Registration has been refused on the ground that the mark presented is primarily merely a surname in accordance with section 2(*e*)(3) of the Trade-Mark Act of 1946. Applicant correctly contends that in addition to its significance as a surname, which is in my opinion well known, "Reeves" has other meanings. Examinations of dictionary definitions indicate that "Reeve" is defined as "passing a rope through a block," etc., this connotation being stated to be nautical, and that the word "Reeve" has an historical definition with reference to a law officer. It is also defined as "the female of a ruff," and certain other meanings are given, none of which are commonly used in any ordinary business connection, or have any relationship to fabric. The fact that other meanings may exist does not necessarily indicate that a word would ordinarily have other than its primary meaning, and the fact that lexicographers or others might recognize a possible unusual meaning is not controlling. *Coca-Cola Company* v. *Los Angeles Brewing Company*, 1 F. R. D. 67, 44 USPQ 190; *Le Blume Import Co., Inc.* v. *Coty et al.*, 293 Fed. 344. The situation here presented is not similar to that of surnames, the meaning of which would not immediately be clear, even as applied to particular products. The meaning naturally attributed to it by the public would, in my opinion, be that of a surname, and as used in this application, it is clearly a surname and would be recognized as such. Accordingly, considering this word alone, it is my opinion, that it is primarily merely a surname and accordingly not proper subject matter for registration on the Principal Register under section 2(*e*)(3) of the act.

Applicant further contends that the mark is a composite one and considered in its entirety cannot be considered primarily merely a surname. As against this the Examiner has held that it is dominated by this surname. As shown in the drawing and specimens forming part of the application, the swatches appear to be mere background for the name. It appears on the front of the design in large letters and examination of the mark would indicate that it is clearly "• • • the principal feature of the mark which would serve the purpose of designating the origin of the goods. • • •" *W. B. Roddenbery Co.* v. *Kalich*, 24 CCPA 745, 158 F.2d 289. As further stated in that case:

"• • • This and other courts have frequently said that in the case of a trade-mark which consists of words accompanied by other pictorial indicia the portion of the mark which would be likely to indicate origin would be the words used and that this is particularly true in these times when resort is so frequently made to radio advertising. • • •"

Further as stated in *Ex parte Bisom Company, Inc.*, 582 O. G. 630, 67 USPQ 328:

"Moreover, applicant's mark is clearly dominated by these words. As pointed out by the Examiner, they 'would most certainly be utilized by ladies when asking a salesman for applicant's goods'; and they are obviously the part of the mark that purchasers would be most likely to remember as indicating origin of the goods. *Frankfort Distilleries, Incorporated* v. *Kasko Distillers Products Corporation*, 27 CCPA 1189, 111 F.2d 481 [45 USPQ 438]; *In re Sears, Roebuck and Co.*, 30 CCPA 710, 132 F.2d 341 [56 USPQ 166]."

See also *Ex parte Columbia Restaurant*, 601 O. G. 535, 74 USPQ 190; and *Farmer Seed & Nursery Co.* v. *Sears, Roebuck and Co.*, 593 O. G. 591, 71 USPQ 190. Accordingly it is believed that the Examiner correctly found that the swatches appearing in the background do not change the nature of the mark, and that it must be considered to be primarily merely a surname.

Applicant argues, at some length, that the swatches themselves would be recognized independently of the name "Reeves," or of the other wording, which has been disclaimed. In support of this, it has submitted certain affidavits of individuals who are familiar with the mark, and state, in effect, that they would recognize it independently of the word "Reeves." Whether or not the swatches might independently constitute a trade-mark is not before me for consideration. Accepting applicant's statement in this connection, however, for the purpose of argument, section 6 of the Trade-Mark Act of 1946 provides:

"The Commissioner shall require unregistrable matter to be disclaimed, • • •"

If it is truly a composite mark, the comments of the Court in *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538, 1925 C. D. 471, would apply. In that case the Court pointed out that there was no statutory provision for disclaimer, but that permitting such disclaimer would allow any properly registrable material to be protected without permitting a registrant to make claims to material not registrable. In that case it was also stated that there was no question

"• • • that the design of the trade-mark is so simple as to be a mere device or contrivance to evade the law and secure the registration of nonregistrable words. • • •"

The new act has made specific provisions for such a disclaimer and if the applicant is correct in contending that the swatches constitute proper subject matter of registration, disclaimer or elimination of "Reeves," as required by section 6 would appear to be the proper procedure. It is also to be noted that if "Reeves" is considered the essential feature, a showing of distinctiveness in accordance with section 2(*f*) would presumably be possible. The present affidavits are apparently not intended for that purpose, and cannot be regarded as sufficient therefor.

In view of the foregoing, I agree with the conclusion of the Examiner of Trade-Marks that the mark must be refused as primarily merely a surname.

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte Bayuk Cigars Incorporated, 171 Ms. D. 631, 83 USPQ 537 (Dec. 22, 1949). The notation "—It's Ripe Tobacco!" as a trade-mark for cigars held unregistrable on the Supplemental Register under the act of 1946 on the ground that the mark is not capable of distinguishing applicant's goods as required by section 23 of that act.

DANIELS, *Assistant Commissioner:*

This is an appeal from the final refusal of an application for registration of a trade-mark for cigars on the Supplemental Register under the act of 1946. The mark sought to be registered consists of the notation "—It's Ripe Tobacco!" Registration has been refused on the ground that the mark is not capable of distinguishing applicant's goods as required by section 23 of that act.

Applicant suggests that the test for determining whether a descriptive word or words may be capable of distinguishing an applicant's goods is whether or not they are "capable of acquiring a secondary meaning," stating that the line of demarcation between those capable of acquiring such meaning and those which are not is "a fine one and difficult of definition." It is suggested in the brief that long exclusive use is persuasive and that:

"• • • The fact that the mark comprises a group of words in an unusual arrangement may be sufficient."

In support of the contention that the words sought to be registered comprise a group of words in "unusual arrangement," the applicant states:

"Applicant's slogan by its very nature is capable of acquiring a secondary meaning. The slogan contains an unusual arrangement of the words involved. Clearly, if one were referring to the ripeness of the tobacco contained in the cigars in a box or package, it would, indeed, be unexpected or unusual to blurt out 'It's Ripe Tobacco.' The phrase or slogan is ungrammatical and extends beyond mere colloquialism. It will be noted that, in the sense or connection used, there is no express antecedent for 'It's.' What does 'It's' refer to? 'It's' must refer to the tobacco contained in the cigars in the container. Such being the case, surely, the phrasing is unexpected and unusual. • • •"

At another point in the brief it is stated:

"• • • If one were to describe the fact that the cigars in a box are made of ripe tobacco or contain ripe tobacco, one would not be expected to say 'It's Ripe Tobacco'. Surely, the common phraseology would take a form such as 'These cigars contain ripe tobacco' or 'This box contains "ripe tobacco"' or 'Ripe Tobacco is used in making these cigars' or the like."

It would seem from the foregoing and from other statements made on this appeal, and in the course of the prosecution of the case, that applicant concedes that "ripe tobacco," per se, is lacking in distinctiveness, but that the combination of this term with the word "It's" adds distinctiveness thereto. As stated before the Examiner of Trade-Marks:

"• • • we submit that the slogan here is distinguished by the word 'IT'S.' In other words, the words 'RIPE TOBACCO' alone are not sought to be registered, but rather the whole slogan as such, which, while it connotes the use of ripe tobacco, does not have to be imitated or copied by anyone in order to notify the public that their product is made of ripe tobacco."

The lack of an antecedent for "It's" is supplied both in applicant's argument above quoted and by

the specimens of record which show clearly that the reference is to applicant's cigars. The specimens submitted show that the phrase is displayed accompanying, and subordinate to a trade-mark of applicant which has previously been considered by the courts and the Patent Office and is believed to be widely advertised.

I fail to see anything "unusual" or "unexpected" in the expression as so used. It is in no way incongruous, and the meaning in such a connection appears obvious. As was stated in *Standard Paint Co.* v. *Trinidad Asphalt Mfg. Co.*, 220 U. S. 446, 1911 C. D. 530:

"• • • Bad orthography has not yet become so rare or so easily detected as to make a word the arbitrary sign of something else than its conventional meaning, as different, to bring the example to the present case, as the character of an article is from its origin or ownership."

Bad grammar, if applicant is correct in its suggestion that this contraction is ungrammatical in this usage, would appear to be equally deficient as a means of supplying distinctiveness to a common expression.

The mark obviously is intended to signify the applicant's use of ripe tobacco, a claim which may presumably be made by many manufacturers of cigars. *Kellogg Company* v. *National Biscuit Company*, 305 U. S. 111, 39 USPQ 296. The use of a word such as "it's" in connection with the generic term "Ripe Tobacco" does not change the character of the mark. In *In re St. Paul Hydraulic Hoist Company* (CCPA), 83 USPQ 315, the court said:

"The implication seems to be that the word 'IT' is the dominating part of the mark, the brief saying:

" 'The very short and usually insignificant word "IT" gives this composite mark character and significance that makes it particularly and peculiarly distinctive in the industry and with the purchasing public, and this effect should not be summarily dismissed in a proceeding of this nature.'

"We are unable to agree that the implication relative to 'IT' being the dominating part of the mark is sound. Both words have distinct meanings. 'Dump' means what the dictionary says it means, supra, and 'it' obviously has reference to the material which is to be dumped. The two words taken together seem to us obviously to constitute a descriptive phrase."

Nor can the fact that the words may have been used by applicant for many years change the nature thereof. Long continued use might, as suggested by the applicant, be "persuasive," in a proper case, but in connection with this term as used on the labels of the applicant it would only indicate the continuing use of a laudatory phrase. As was pointed out in *In re St. Paul Hydraulic Hoist Company*, supra:

"There are many reasons other manufacturers of a product may not adopt a generic or descriptive term."

See also *Kellogg Company* v. *National Biscuit Company*, supra.

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte Evelyn Westall (d/b/a Parfums Evyan Co.), — Ms. D. —, — USPQ — (Dec. 27, 1949). The words "LOVE and KISSES" as a trade-mark for "perfumes, toilet water and colognes," on the Principal Register of the act of 1946 refused registration in view of prior registration of the words "LOV-KIS," for "perfumes and toilet waters," under the 1905 act.

Ex parte Emanuel E. Evans, 171 Ms. D. 623, 83 USPQ 529 (Dec. 14, 1949). "FOREVER WARE" as a trade-mark under act of 1905 for "kitchen ware, made of aluminum or alloys of aluminum, namely, sauce pans, roaster pans, dish pans, frying pans, pie pans, baking pans, pressure cookers and double boilers," the word "WARE" being disclaimed, refused in view of prior registration of the words "WEAR-EVER" as a trade-mark for "cooking utensils made of aluminum" under the same act.

Ex parte Rejane, Inc., — Ms. D. —, — USPQ — (Dec. 27, 1949). Registration of the notation "FLOR DE HABANO" under act of 1905 for "perfumes" refused in view of prior registration under same act of the word "Abano" for perfumes and bath oils.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 31, 1950

[VOL. 630. NO. 5]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 522,853. FOOD MACHINERY CORPORATION, San Jose, Calif., and Middleport, N. Y., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware. Filed May 22, 1947.

Niatox

FOR INSECTICIDAL COMPOSITION FOR USE ON PLANTS AND ANIMALS.

Claims use since Oct. 1, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 515,783. PLANET MERCHANDISE COMPANY, INC., New York, N. Y. Filed Jan. 15, 1947.

PLANETWARE

FOR COPPER, BRASS AND ALUMINUM HOLLOW WARE—NAMELY, FLOWER POTS SIMULATING COFFEE POTS, WATERING CANS, CREAMERS, TEA POTS, ICE BUCKETS, SAND URNS, ALE TANKARDS, PITCHERS, AND FLOWER CASES.

Claims use since July 8, 1944.

Ser. No. 523,604. JOHN J. OLLMAN, doing business as Upper Midwest Specialties Co., Minneapolis, Minn. Filed June 5, 1947.

SANHOLD

FOR BRUSH HOLDERS FOR HOLDING TOILET BOWL CLEANING BRUSHES.

Claims use since Mar. 31, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 514,696. CLYDE A. FARR, Baton Rouge, La. Filed Dec. 23, 1946.

Painticide

FOR INSECT KILLING PAINTS—NAMELY, PAINTS CONTAINING D. D. T.

Claims use since Oct. 15, 1946.

Ser. No. 520,729. THE LEHON COMPANY, Chicago, Ill. Filed Apr. 15, 1947.

MULE-HIDE

FOR READY MIXED AND PASTE PAINTS—NAMELY, ASPHALTIC AND BITUMINOUS PAINTS, ASPHALTIC AND BITUMINOUS ALUMINUM PAINTS, ASPHALT PAINTS, ALUMINUM PAINTS, AND ROOF PAINTS.

Claims use since September 1908, and on asphaltic and bituminous paints, asphalt paints, and roof paints since January 1914; and on asphaltic and bituminous aluminum paints and aluminum paints since September 1932.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 523,806. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 7, 1947.

ALTEPOSE

FOR PREPARATION USEFUL IN THE TREATMENT AND PREVENTION OF METABOLIC DEFICIENCIES, PARTICULARLY A PREPARATION USEFUL IN THE TREATMENT OF OBESITY.

Claims use since May 29, 1947.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 516,527. BARRY AND STAINES LINOLEUM (CANADA) LIMITED, Farnham, Canada. Filed Jan. 29, 1947.

BAROLEUM

FOR LINOLEUM FOR FLOOR, WALL, TABLE, COUNTER, AND DESK COVERINGS.
Claims use since Feb. 19, 1934.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 525,499. SAVAGE ARMS CORPORATION, Utica, N. Y. Filed July 1, 1947.

Lawn Tender

The word "Lawn" is disclaimed.
FOR LAWN MOWERS.
Claims use since Oct. 22, 1940.

Ser. No. 525,501. SAVAGE ARMS CORPORATION, Utica, N. Y. Filed July 1, 1947.

SAVAGE
POWER CHIEF



The word "Power" is disclaimed.
FOR GASOLINE POWER DRIVEN LAWN MOWERS.
Claims use since Nov. 14, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 525,267. ARMOUR WALLINGSFORD, doing business as Cello-Vision Film Splicer & Repair Machine Company, Glendale, Calif. Filed June 30, 1947.

CELLO-VISION

FOR FILM SPLICER AND REPAIR MACHINE.
Claims use since June 1, 1947.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 506,457. LUBER-FINER INCORPORATED, Los Angeles, Calif. Filed July 29, 1946.

CELL-U-ROLL

The word "Roll" is disclaimed.
FOR REPLACEABLE FILTER PACKS FOR OIL FILTRATION IN LUBRICATION SYSTEMS FOR INTERNAL COMBUSTION ENGINES.
Claims use since June 26, 1942.

Ser. No. 524,527. CONTINENTAL AIR FILTERS, INC., Louisville, Ky. Filed June 20, 1947.

WHIRLWIND

FOR OIL BATH AIR CLEANING FILTERS FOR USE IN CONNECTION WITH INTERNAL COMBUSTION ENGINES AND IN AIR COMPRESSORS.
Claims use since July 15, 1946.

CLASS 39

CLOTHING

Ser. No. 507,330. MERRIMAC HAT CORPORATION, Amesbury, Mass., and New York, N. Y. Filed Aug. 13, 1946. Under 10-year proviso.



The word "York" is disclaimed.
FOR MEN'S, WOMEN'S, AND CHILDREN'S HATS AND HAT BODIES.
Claims use since 1856, as to "Merrimac"; and since October 1941, as to the mark shown.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,783. ARROW MILLS, INC., Houston, Tex. Filed May 3, 1947.



The drawing is lined conventionally for the colors red and blue. No claim is made to any of the wording except "Arrow" apart from the mark as shown.
FOR POULTRY, LIVESTOCK, AND DAIRY FEEDS.
Claims use since Jan. 1, 1944.

Ser. No. 523,648. B & W FRUIT COMPANY, INC., Groveland, Fla. Filed June 6, 1947.

B & W

FOR CANNED CITRUS FRUIT AND CANNED CITRUS FRUIT JUICES, FOR FOOD PURPOSES.
Claims use since May 16, 1927.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 558,082. TENAK PRODUCTS COMPANY, Chicago, Ill. Filed May 28, 1948.

TENALITE

FOR PLASTIC MOLDING MATERIAL FOR USE IN MAKING ELECTROTYPES AND INCLUDING PLASTIC MOLDABLE TABLETS FOR USE IN THE FORMATION OF PRINTING PLATES AND SIMILAR ARTICLES.
Claims use since Feb. 18, 1947.

Ser. No. 562,800. PERCY J. OSBORNE, Holland, Mich. Filed Aug. 4, 1948.

"HY-CROSS"

The word "Cross" is disclaimed.
FOR LIVE POULTRY FOR BREEDING PURPOSES AND EGGS FOR HATCHING.
Claims use since July 11, 1948.

Ser. No. 577,509. THE AMERICAN POLYMER CORPORATION, Peabody, Mass. Filed Apr. 22, 1949.



FOR RESIN EMULSIONS FOR USE IN PREPARATION OF ADHESIVES, FILLERS, PLASTICS AND OTHER PRODUCTS.
Claims use since Jan. 1, 1945.

CLASS 2

RECEPTACLES

Ser. No. 546,104. ILLINOIS WATCH CASE CO., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Filed Jan. 3, 1948. (Sec. 2f.)

Elgin Vanity

The word "Vanity" is disclaimed. Applicant claims ownership of Registrations Nos. 206,537, 287,740, 322,559, 335,360, 285,581, 103,053, and 277,594.
FOR COSMETIC CONTAINERS—VIZ., POWDER BOXES, ROUGE BOXES, VANITY CASES, PERFUME VIALS, LIPSTICK HOLDERS, AND EYEBROW-PENCIL HOLDERS, THE SAME BEING MADE OF NON-PRECIOUS METAL AND SOLD EMPTY IN THE TRADE.
Claims use since Feb. 29, 1924.

Ser. No. 566,013. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed July 29, 1948. (Sec. 2f.)

MODERNE

Applicant claims ownership of Registration No. 353,883.
FOR THERMIC JUGS.
Claims use since March 1934.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 572,630. BONWIT TELLER & COMPANY OF PHILADELPHIA, Philadelphia, Pa. Filed Jan. 24, 1949.

"Just in Case"

FOR CASES AND POUCHES FOR HOSIERY AND LINGERIE.
Claims use since Dec. 9, 1948.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 502,217. HYDROPONIC CHEMICAL COMPANY, INC., Copley, Ohio. Original filed, act of 1905, May 16, 1946; amended to application under act of 1946, Principal Register, Aug. 4, 1949.

HYPOdee

Applicant claims ownership of Registrations Nos. 373,639 and 422,367.
FOR INSECTICIDE.
Claims use since Mar. 28, 1946.

Ser. No. 535,795. GODFREY L. CABOT, INC., Boston, Mass. Filed Sept. 26, 1947.

STERLING-L

FOR CARBON BLACK AS A REFINING PIGMENT OR FILLER IN RUBBER OR PLASTICS.
Claims use since June 10, 1931.

Ser. No. 544,393. H. F. REMMERS, doing business as Remmer Chemical Company, Chicago, Ill. Filed Dec. 15, 1947. (Sec. 2f.)

PERFECTION

FOR EMBALMING FLUID.
Claims use since July 1926.

Ser. No. 557,162. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed May 15, 1948.

RHODOL

Applicant claims ownership of French Registration No. 317,236, dated Nov. 2, 1937.
FOR PHOTOGRAPHIC DEVELOPERS.

Ser. No. 560,554. THE FARNAM COMPANY, Omaha, Nebr. Filed July 1, 1948.

HydronoX

FOR INSECTICIDE.
Claims use since Mar. 15, 1948.

Ser. No. 566,782. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Oct. 9, 1948.

NAXONATE

FOR SODIUM XYLENE SULFONATE IN BOTH LIQUID AND SOLID FORMS.
Claims use since July 25, 1947.

Ser. No. 566,823. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed Aug. 24, 1948.

HI-TEN

FOR TEXTILE OILS.
Claims use since December 1939.

Ser. No. 566,953. SANDACK CORPORATION, INC., Chicago, Ill. Filed Oct. 13, 1948.

DEOCIDE

FOR GERMICIDAL DEODORANT AND DISINFECTANT.
Claims use since Sept. 8, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 547,763. PLANETT MFG. CO., Downey, Calif. Filed Jan. 22, 1948.

PLANCO

FOR WIRE MESH FOR REINFORCING CEMENTITIOUS MATERIALS.
Claims use since August 1942.

Ser. No. 554,139. LOUIS R. MCCLENAGHAN, doing business as Plasti-Gum Products Company, Oakland, Calif. Filed Apr. 8, 1948.

PLASTI·GUM

The word "Gum" is disclaimed.
FOR NON-HARDENING, WATER-REPELLENT SEALING COMPOUND.
Claims use since Feb. 27, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 543,568. THE CLEVELAND BRASS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Dec. 6, 1947. (Sec. 2f.)

SPEEDLOCK

Applicant claims ownership of Registration No. 350,844.
FOR HOSE FITTINGS.
Claims use since Aug. 5, 1936.

Ser. No. 552,770. THE HELLER COMPANY, Cleveland, Ohio. Filed Mar. 23, 1948. (Sec. 2f.)

IT'S A HELLER

FOR STAPLES FOR STAPLING MACHINES.
Claims use since January 1943.

Ser. No. 555,599. FARRIS ENGINEERING CORPORATION, Palisades Park, N. J. Filed Apr. 26, 1948. (Sec. 2f.)

Farris

FOR SAFETY VALVES.
Claims use since February 1943.

Ser. No. 555,702. RUSSELL, BURDSALL & WARD BOLT AND NUT CO., Port Chester, N. Y. Filed Apr. 27, 1948.

RB&W

FOR METAL BOLTS, NUTS, SCREWS, RIVETS, CLEVIS AND HINGE PINS, AND WASHERS.
Claims use since January 1937.

Ser. No. 574,117. TENNESSEE COAL, IRON AND RAILROAD COMPANY, Birmingham, Ala. Filed Feb. 18, 1949.

T

Applicant claims ownership of Registration No. 35,876.
FOR COTTON TIE BUCKLES, NAILS, AND TRACK SPIKES AND BOLTS.
Claims use since Sept. 1, 1927, on cotton tie buckles; since 1933 on nails; and since July 1925 on track spikes and bolts.

CLASS 15

OILS AND GREASES

Ser. No. 526,832. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947.

VISLUBE

FOR LUBRICATING OIL.
Claims use since Feb. 1, 1947.

Ser. No. 537,212. MARQUETTE PETROLEUM PRODUCTS, INC., Chicago, Ill. Filed Oct. 8, 1947.

VISCA-LUBE

The word "Lube" is disclaimed.
FOR LUBRICANT GREASES.
Claims use since Sept. 1, 1935.

Ser. No. 539,703. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Oct. 31, 1947. (Sec. 2f.)

HYDRO-DRIVE

FOR HYDRAULIC OILS.
Claims use since Oct. 4, 1941.

Ser. No. 574,645. TIME OIL CO., Seattle, Wash., and Los Angeles, Calif. Filed Feb. 28, 1949.



The drawing is lined to indicate blue and red. Applicant claims ownership of Registrations Nos. 431,079 and 431,558.
FOR GASOLINE.
Claims use since Aug. 1, 1946.

Ser. No. 576,394. BENDIX AVIATION CORPORATION, Detroit, Mich. Filed Mar. 31, 1949. (Sec. 2f.)

BENDIX

FOR LUBRICATING AND ANTI-CORROSIVE OILS AND GREASES.
Claims use since Oct. 11, 1926, on lubricating and anti-corrosive oils; and since Oct. 15, 1940, on lubricating and anti-corrosive greases.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 534,767. GILMAN PAINT AND VARNISH COMPANY, Chattanooga, Tenn. Filed Sept. 17, 1947. (Sec. 2f.)



FOR EXTERIOR AND INTERIOR PAINTS AND VARNISHES.
Claims use since May 1912.

Ser. No. 557,042. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed May 14, 1948.

INTER-PLASTEK

FOR READY-MIXED PAINTS, ENAMELS, VARNISHES AND SOLVENTS THEREFOR, AND PASTE PAINTS.
Claims use since Apr. 27, 1948.

Ser. No. 566,552. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Oct. 6, 1948.

MOLYCLAD

FOR LIQUID COMPOSITION IN THE NATURE OF A RESINOUS PLASTIC SOLUTION USED AS A PROTECTIVE COATING FOR METAL SURFACES.
Claims use since June 24, 1948.

Ser. No. 576,213. GORDON S. LACY, doing business as Formulabs, Sierra Madre, Calif. Filed Mar. 28, 1949.

FORMŪLABS

FOR LACQUERS FOR USE ON TEXTILES, METALS, LEATHER, WOOD, GLASS, CERAMICS, TILE, AND PAPER.
Claims use since July 30, 1948.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 564,329. GOODRICH-GAMBLE COMPANY, St. Paul, Minn. Filed Aug. 28, 1948.

Laurel

FOR FERROUS SULFATE IN TABLET FORM FOR MEDICINAL USE.
Claims use since July 20, 1948.

Ser. No. 566,785. ANCHOR SERUM COMPANY, St. Joseph, Mo. Filed Oct. 11, 1948.

CAPROVINE

FOR REMEDY FOR THE TREATMENT OF ANIMALS FOR WORMS.
Claims use since Feb. 20, 1947.

Ser. No. 567,404. INTERNATIONAL LABORATORIES, INC., Rochester, N. Y. Filed Oct. 21, 1948.

ATH-O-DEX

FOR PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT AND OTHER FUNGUS INFECTIONS OF THE SKIN.
Claims use since June 21, 1948.

Ser. No. 569,652. VIOBIN CORPORATION, Monticello, Ill. Filed Nov. 30, 1948.

Viodenum

FOR DESICCATED AND DEFATTED DUODENUM.
Claims use since Sept. 20, 1948.

Ser. No. 570,795. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Dec. 18, 1948.

FEOSOL PLUS

Applicant claims ownership of Registration No. 337,112.
FOR MEDICINE FOR THE TREATMENT OF ANEMIA.
Claims use since Nov. 11, 1948.

Ser. No. 570,939. THE ATLANTIC SUPPLY COMPANY, Baltimore, Md. Filed Dec. 22, 1948.

ASQ

FOR 10% SULFAQUINOXALINE PRODUCT FOR THE PREVENTION AND CONTROL OF CECAL AND INTESTINAL COSSIDIOSIS IN POULTRY AND FOR CHECKING IMMEDIATE MORTALITY IN OUTBREAKS OF ACUTE FOWL CHOLERA.
Claims use since Dec. 7, 1948.

Ser. No. 572,132. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed Jan. 13, 1949.

FLAXEDIL

Right of priority under Sec. 44(d). French application filed Nov. 30, 1948; Reg. No. 389,919.
FOR SYNTHETIC DRUG WITH A CURARE-LIKE ACTION USED AS AN ADJUNCT TO ANESTHESIA.

Ser. No. 581,642. E. BILHUBER, INC., Orange, N. J. Filed July 8, 1949.

EVALEN

FOR CHEMICAL COMPOUND USEFUL AS A SEDATIVE AND ANALGESIC, IN TABLET FORM, SAID TABLETS CONTAINING BROMISOVALERYLUREA AND ACETYLSALICYLIC ACID.
Claims use since Mar. 15, 1949.

CLASS 19

VEHICLES

Ser. No. 511,467. GLOSTEX PRODUCTS, INC., Chicago, Ill. Original filed, act of 1905, Oct. 25, 1946; amended to application under act of 1946, Principal Register, June 15, 1948.

DUCHESS

FOR AUTOMOBILE SEAT COVERS.
Claims use since Oct. 10, 1946.

Ser. No. 539,834. MONARK SILVER KING, INC., Chicago, Ill. Filed July 17, 1947.

Monark SILVER KING

Applicant claims ownership of Registration No. 335,125.
FOR BICYCLES.
Claims use since July 5, 1934.

Ser. No. 543,550. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Dec. 5, 1947.

Sterling

Applicant claims ownership of Registration No. 385,278.
FOR BICYCLES.
Claims use since 1896.

Ser. No. 559,022. GIVEN MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 11, 1948.

PULVER-AID

FOR WHEELED VEHICLE COMPRISING A TUBULAR FRAME, WASTE TANK, AND SINK FLANGE BOWL, FOR TRANSPORTING AND DISPLAYING GARBAGE PULVERIZING UNITS.
Claims use since Apr. 2, 1948.

Ser. No. 567,108. YANKS-HERBSLEB MANUFACTURING CORPORATION, Houston, Tex. Filed Oct. 16, 1948.

HACIENDA

FOR TRAILERS CONSTRUCTED AND EQUIPPED TO BE USED AS HOMES, OFFICES, AND STRUCTURES (FOR SHOPS).
Claims use since Mar. 1, 1948.

Ser. No. 567,898. AUTOMOBILE UPHOLSTERY CORP., Brooklyn, N. Y. Filed Oct. 30, 1948.

Flex-Tone

The drawing is lined for blue.
FOR AUTOMOBILE SEAT COVERS.
Claims use since Oct. 9, 1948.

Ser. No. 572,272. REX BABY CARRIAGE MFG. CO., INC., New York, N. Y. Filed Jan. 15, 1949.

Rex

FOR CHILDREN'S WHEEL GOODS—NAMELY, BABY CARRIAGES AND STROLLERS.
Claims use since March 1940.

Ser. No. 575,754. THE GATES RUBBER COMPANY, Denver, Colo. Filed Mar. 21, 1949. (Sec. 2f as to "Gates.")

Gates

FOR AUTOMOBILE FLOOR MATS OF RUBBER AND RUBBER-LIKE MATERIAL.
Claims use since Oct. 28, 1944, as to the mark shown; and since Jan. 24, 1930, as to "Gates."

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 529,289. MORGAN-LAPHAM, INC., New Canaan, Conn. Filed July 23, 1947.

SALESMAKER

FOR ELECTRICALLY OPERATED TURNTABLES USED FOR ADVERTISING DISPLAY PURPOSES.
Claims use since May 14, 1947.

Ser. No. 544,558. FARNSWORTH TELEVISION & RADIO CORPORATION, Fort Wayne, Ind. Filed Dec. 17, 1947. (Sec. 2f.)

Capehart

Applicant claims ownership of Registrations Nos. 298,297, 302,049, and 387,805.
FOR COMBINATION RADIO AND AUTOMATIC PHONOGRAPHS, AUTOMATIC AND SEMI-AUTOMATIC DISK CHANGE PHONOGRAPHS, AND AUTOMATIC AND SEMI-AUTOMATIC PHONOGRAPH RECORD CHANGERS, ALL ELECTRICALLY OPERATED.
Claims use since March 1928.

Ser. No. 547,048. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 14, 1948.

T&B

Applicant claims ownership of Registrations Nos. 381,797 and 374,195.
FOR ELECTRICAL CONDUIT FITTINGS; ELECTRICAL CONDUCTORS AND CONNECTORS, AND SIMILAR WIRING APPLIANCES—NAMELY, CONDUIT ADAPTERS, CONDUIT BUSHINGS, CONDUIT COUPLINGS, CONDUIT CONNECTORS, CONDUIT ELBOWS AND T'S, CONDUIT ENLARGERS, REDUCERS AND BELLMOUTHS, CONDUIT ENTRANCE L'S, CONDUIT AND CABLE SERVICE HEADS, CONDUIT LOCK NUTS, CONDUIT NIPPLES, CONDUIT PENNIES, CONDUIT REDUCERS, CONDUIT REDUCING PENNIES, CONDUIT SUPPORTS INCLUDING MESSENGER WIRE SUPPORTS, BEAM CLAMPS AND HANGERS, CONDUIT STRAPS, RIGID ELECTRICAL CONDUITS, FLEXIBLE ELECTRIC CONDUITS, ARMOURED ELECTRICAL CONDUCTORS, ARMOURED CABLE FITTINGS, CABLE CONNECTORS, CABLE-CONNECTOR EXTENSIONS, CABLE TERMINALS, CABLE LUGS, CABLE TAPS, CABLE CONNECTORS, CABLE SPLICERS, CABLE STRAPS, GROUND FITTINGS, FLOOR BOXES, OUTLET BOXES AND COVERS, JUNCTION BOXES AND COVERS, PULL BOXES AND COVERS, SWITCH BOXES AND COVERS, KNOCKOUT ADAPTERS, KNOCKOUT PLUGS, AND FIXTURE STUDS; AND ALSO ELECTRICAL MERCHANDISE—NAMELY, CUT-OUTS—FUSIBLE AND MECHANICAL, ELECTRICAL CONTACT PLUGS, INSULATORS, MOLDING STRIPS FOR ELECTRIC RACEWAYS, OUTLET BOX SUPPORTS, RECEPTACLES FOR ELECTRICAL CONTACT DEVICES, SWITCHES, VAPOR-TIGHT FITTINGS AND FIXTURES; AND LIGHTING FIXTURES AND PARTS THEREOF, INCLUDING BEACON LIGHTS, SIGNAL LANTERNS AND ELECTRICAL INCANDESCENT AND ARC LAMPS.
Claims use since Oct. 1, 1902.

Ser. No. 550,845. THE TAPPAN STOVE COMPANY, Mansfield, Ohio. Filed Feb. 28, 1948. (Sec. 2f as to Tappan.")

T TAPPAN

The lining is for shading purposes only. Applicant claims ownership of Registrations Nos. 174,675, 163,183, and 180,561.
FOR ELECTRIC RANGES AND STOVES.
Claims use since Mar. 27, 1922.

Ser. No. 552,487. ON-A-LITE CORPORATION, Portland, Oreg. Filed Mar. 19, 1948.

ON-A-LITE

The word "Lite" is disclaimed.
FOR DECORATIVE CHRISTMAS ELECTRIC LIGHTING SETS AND PARTS THEREFOR.
Claims use since Feb. 27, 1948.

Ser. No. 552,987. KENT-MOORE ORGANIZATION, INC., Detroit, Mich. Filed Mar. 25, 1948. (Sec. 2f.)

KENT-MOORE

Applicant claims ownership of Registration No. 263,496.
FOR ELECTRIC LIGHTING FIXTURES, ELECTRICALLY OPERATED HEATING MECHANISM—NAMELY, PISTON AND PISTON PIN HEATING.
Claims use on electrically operated heating mechanism since September 1935; and on electric lighting fixtures since the Fall of the year 1939

Ser. No. 553,579. THE ELECTRIC PRODUCTS COMPANY, Cleveland, Ohio. Filed Apr. 1, 1948.

EP

Applicant claims ownership of Registration No. 260,266.
FOR ELECTRIC MOTORS, GENERATORS, MOTOR-GENERATORS, BATTERY CHARGERS EMBODYING MOTOR-GENERATORS, FREQUENCY CHANGERS, AND ELECTRICAL CONTROLS AND CONTROL PANELS THEREFOR.
Claims use since Mar. 1, 1946.

Ser. No. 554,695. OXY-DRY SPRAYER CORPORATION, New York, N. Y. Filed Apr. 15, 1948. (Sec. 2f.)

Oxy-Dry

FOR ELECTRIC ANTI-OFFSET AND STATIC NEUTRALIZING APPARATUS FOR USE ON PRINTING PRESSES.
Claims use since Feb. 24, 1942.

Ser. No. 558,271. BART-MESSING CORPORATION, Brooklyn, N. Y. Filed June 2, 1948.

Sel-Rex

The drawing is lined for shading only.
FOR RECTIFIERS.
Claims use since May 1, 1947.

Ser. No. 562,943. WILLIAM S. LEFFLER, Bayside, Long Island, N. Y. Filed Aug. 6, 1948.

VIDEORAMA

FOR VIEWING FRAMES TO BORDER TELEVISION RECEIVER SCREENS.
Claims use since Apr. 12, 1948.

Ser. No. 563,598. AUDIO DEVELOPMENT COMPANY, Minneapolis, Minn. Filed Aug. 17, 1948.

ADC

FOR ELECTRIC WAVE FILTERS, ELECTRIC EQUALIZER FILTERS, POWER TRANSFORMERS, INPUT TRANSFORMERS, AUDIO TRANSFORMERS, OUTPUT TRANSFORMERS, INTERSTAGE TRANSFORMERS, BRIDGING TRANSFORMERS, LINE TRANSFORMERS, POTENTIAL TRANSFORMERS, CURRENT TRANSFORMERS, PULSE TRANSFORMERS, IMPEDANCE TRANSFORMERS, FILTER CHOKE COILS, REACTER COILS, INDUCTOR COILS, TELEPHONE PLUGS, AND TELEPHONE JACKS.

Claims use since Aug. 30, 1943, on filters, transformers, chokes, and coils; and since June 1, 1948, on plugs and jacks.

Ser. No. 566,009. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed July 29, 1948. (Sec. 2f.)

VOGUE

Applicant claims ownership of Registration No. 317,571.

FOR ELECTRIC IRONS, ELECTRIC HEATERS, ELECTRIC WAFFLE IRONS, ELECTRIC SANDWICH GRILLS, ELECTRIC FOOD MIXERS, ELECTRIC PERCOLATORS, ELECTRIC TOASTERS, ELECTRIC GRILL STOVES, ELECTRIC FANS, ELECTRIC HEATING PADS FOR GENERAL USE, ELECTRIC CORN POPPERS, AND ELECTRIC CURLING IRONS.

Claims use since May 1932.

Ser. No. 566,010. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed July 29, 1948.

TEL•A•MATIC

Applicant claims ownership of Registration No. 332,136.

FOR ELECTRIC TOASTERS, ELECTRIC HEATERS, ELECTRIC STOVES, ELECTRIC WAFFLE IRONS, ELECTRIC PERCOLATORS, AND ELECTRIC FLAT IRONS.

Claims use since February 1935.

Ser. No. 566,011. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed July 29, 1948. (Sec. 2f.)

KWIK KOOL

Applicant claims ownership of Registration No. 340,542.

FOR ELECTRIC FANS.

Claims use since May 1932.

Ser. No. 568,044. J. A. CRABTREE & CO. LIMITED, Walsall, England. Filed Nov. 2, 1948. (Sec. 2f.)

CRABTREE

Applicant claims ownership of Registration No. 156,652.

FOR ELECTRICAL APPARATUS — NAMELY, SWITCHES, COUPLINGS, FUSIBLE CUT-OUTS, FUSE BOARDS, AND CASINGS, CONDUIT FITTINGS, ACCESSORIES AND FITTINGS FOR LAMPS AND INSULATORS AND INSULATING MATERIALS OF PORCELAIN AND EARTHENWARE.

Claims use since Apr. 17, 1919.

Ser. No. 569,497. ADELPHIA INDUSTRIES, Philadelphia, Pa. Filed Nov. 27, 1948.

Adelphia

FOR ELECTRIC LAMP SHADES.

Claims use since 1932.

Ser. No. 569,656. WAUKESHA MOTOR COMPANY, Waukesha, Wis. Filed Nov. 30, 1948.

ENGINATOR

FOR ENGINE-GENERATOR UNITS AND ENGINE-ALTERNATOR UNITS.

Claims use since Oct. 22, 1948.

Ser. No. 570,046. HUGH H. EBY, INC., Philadelphia, Pa. Filed Dec. 6, 1948. (Sec. 2f.)

EBY

Applicant claims ownership of Registration No. 344,710.

FOR ELECTRONIC INSTRUMENT PRODUCTS AND PARTS—NAMELY, BINDING POSTS, MOULDED SOCKETS, LOW LOSS SOCKETS, CABLE CONNECTORS, TIP JACKS, MOULDED PLUGS, RUBBER PLUGS, FEMALE PLUGS, MULTISWITCHES, WAVE BAND SWITCHES, ADAPTORS, RUBBER CAPPED MALE AND FEMALE PLUGS, SPEAKER PLUGS, TERMINAL STRIPS, MOULDED PLUG CABLE CONNECTORS, TWIN AND TRIPLE BINDING POSTS, NON-REMOVABLE HEAD BINDING POSTS, SINGLE, TWIN, AND TRIPLE TIP JACKS AND POSTS, KNOBS AND TERMINAL NUTS, INSTRUMENT DIALS, PHOTO-ELECTRIC CELLS, LIGHT SENSITIVE PHOTO-ELECTRONIC UNITS, AND CATHODE RAY TUBE SOCKETS.

Claims use since December 1923.

Ser. No. 571,311. AKTIEBOLAGET VINKELCENTRIFUG, Stockholm, Sweden. Filed Dec. 30, 1948.

WIFUG

Applicant claims ownership of Swedish Registration No. 58,988, dated Oct. 27, 1944.

FOR ELECTRIC MOTORS AND CONTROL APPARATUS FOR CENTRIFUGES.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 495,112. UNITED CONVEYOR CORPORATION, Chicago, Ill. Original filed, act of 1920, Jan. 19, 1946; amended to application under act of 1946, Principal Register, Oct. 14, 1949. (Sec. 2f.)

JETPULSION

FOR LIQUID PUMP USED AS A SUMP PUMP AND AS A PART OF A WATER CONVEYOR SYSTEM FOR THE HANDLING OF WATER AND ASH.

Claims use since June 15, 1944.

Ser. No. 520,791. THE BROWN-BROCKMEYER COMPANY, Dayton, Ohio. Original filed, act of 1905, Apr. 16, 1947; amended to application under act of 1946, Principal Register, July 31, 1947.

Toolmaster

FOR ELECTRICAL BENCH GRINDERS.

Claims use since Mar. 20, 1947.

Ser. No. 521,455. THE LEETONIA TOOL COMPANY, Leetonia, Ohio. Original filed, act of 1905, Apr. 28, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948. (Sec. 2f.)

TOP-NOTCH

FOR COAL MINERS' PICKS.

Claims use since December 1937.

Ser. No. 524,203. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio. Original filed, act of 1905, June 14, 1947; amended to application under act of 1946, Principal Register, Oct. 15, 1947. (Sec. 2f.)

RINGLOCK

FOR BRUSHES FORMING PARTS OF INDUSTRIAL MACHINES, BRUSHES FOR MOUNTING UPON SHAFTING, POWER OPERATED ROTARY BRUSHES FOR POLISHING AND CLEANING, AND SECTIONS AND PARTS OF SUCH BRUSHES.

Claims use since August 1936.

Ser. No. 530,993. E. R. WAGNER MANUFACTURING COMPANY, Milwaukee, Wis. Filed Aug. 9, 1947.

Victoria

FOR CARPET SWEEPERS OF THE MECHANICAL TYPE.

Claims use since July 1, 1936.

Ser. No. 532,202. BARBER-GREENE COMPANY, Aurora, Ill. Filed Aug. 23, 1947.

B G

FOR PORTABLE AND STATIONARY BELT CONVEYORS, BELT AND BUCKET LOADERS, BELT AND DRAG TYPE UNLOADERS, DITCHERS, SELF PROPELLED DITCHING MACHINES, BITUMINOUS AND MAINTENANCE PLANTS, BITUMINOUS TAMPING, VIBRATING AND LEVELING FINISHERS, CRUSHING AND SCREENING PLANTS, BUCKET ELEVATORS, APRON AND RECIPROCATING FEEDERS, MINERAL AGGREGATE DRYERS, DUST COLLECTORS, SNOW LOADERS AND SNOW MELTING MACHINERY.

Claims use since Dec. 22, 1917.

Ser. No. 535,223. CONSOLIDATED MACHINE TOOL CORPORATION, Rochester, N. Y. Filed Sept. 22, 1947. (Sec. 2f.)

SELLERS

FOR VERTICAL BORING MILLS, HORIZONTAL BORING, DRILLING AND MILLING MACHINES, BOTH FLOOR AND TABLE TYPE, STATIONARY ELECTRIC MOTOR-DRIVEN DRILL GRINDERS, ELECTRIC MOTOR DRIVEN TOOL GRINDERS, PLATE PLANERS,

LOCOMOTIVE DRIVING WHEEL LATHES, CAR WHEEL LATHES, AXLE TRUING LATHES, ELECTRIC MOTOR DRIVEN CARBIDE CUTTER GRINDERS, DOUBLE HOUSING PLANERS, OPENSIDE PLANERS, PLANER TYPE MILLING MACHINES, BED TYPE RADIAL DRILLS, SWIVEL TYPE TRAVERSE RADIAL DRILLS, SPINDLE RAIL DRILLS, POWDER SAW MILLING MACHINES FOR CUTTING STICKS OF DYNAMITE TO PREDETERMINED LENGTHS, TURRET TRACK TURNING MACHINES, AND SPECIAL PURPOSE MACHINE TOOLS — NAMELY, TURRET TRACK TURNING MACHINES FOR MACHINING GUN TURRETS, PORTABLE SCARFING MACHINES FOR BEVELING AND EDGING STEEL PLATES, TILTING TYPE TRAVERSE RADIAL DRILLS FOR ANGULAR TYPE DRILLING, AND BED TYPE TRAVELING RADIAL DRILLS HAVING FOUR (4) OR MORE HEADS AND ARMS ON ONE (1) BED.

Claims use since January 1936.

Ser. No. 536,168. SOLAR AIRCRAFT COMPANY, San Diego, Calif. Filed Sept. 29, 1947.

SOLAR

Applicant claims ownership of Registrations Nos. 348,449 and 398,416.

FOR EXHAUST STRUCTURES OF INTERNAL COMBUSTION ENGINES—NAMELY, MANIFOLDS, TAILPIPES AND PARTS THEREFOR, AND FOR ESSENTIALLY SHEET METAL JET ENGINE COMPONENTS—NAMELY, COMBUSTION CHAMBERS, AIR AND EXHAUST ELBOWS AND THEIR SUPPORTING STRUCTURE KNOWN TO THE TRADE AS RING AND ELBOW ASSEMBLIES; TAILPIPES; SUPPORTING STRUCTURES FOR JET ENGINE COMBUSTORS KNOWN TO THE TRADE AS SUPPORT CYLINDERS; EXPANSION JOINTS KNOWN IN THE TRADE AS JUNCTION PIPE ASSEMBLIES; FLAME GUARDS; COMBUSTORS AND SUPPORTING STRUCTURES KNOWN TO THE TRADE AS RING AND TUBE ASSEMBLIES; COMBINATION OF INNER AND OUTER TAIL CONES AND THEIR COMPONENT PARTS KNOWN TO THE TRADE AS CONE ASSEMBLIES; COMBUSTION CHAMBERS AND THEIR COMPONENT PARTS KNOWN IN THE TRADE AS CHAMBER ASSEMBLIES; PERFORATE LINER WALLS AND PARTS RELATED THERETO KNOWN TO THE TRADE AS LINER ASSEMBLIES; DOMES AND FITTINGS THEREFOR KNOWN TO THE TRADE AS DOME ASSEMBLIES; INNER AND OUTER ELBOWS KNOWN TO THE TRADE AS COMBUSTION ELBOW ASSEMBLIES; SHROUDS OR INSULATED BLANKETS AROUND TAILPIPES KNOWN TO THE TRADE AS SHEATHING ASSEMBLIES; EXPANSION JOINTS IN AIR OR GAS TUBING, AND DUCTING USED IN CONNECTION WITH TURBINE FEEDBACKS.

Claims use since Sept. 25, 1944.

Ser. No. 536,339. BARNES DRILL CO., Rockford, Ill. Filed Oct. 1, 1947. (Sec. 2f.)

BARNESDRIL

Applicant claims ownership of Registration No. 400,276.

FOR MACHINE TOOLS—NAMELY, DRILLING MACHINES AND HONING MACHINES.

Claims use since Oct. 1, 1941.

Ser. No. 537,052. THE LAPOINTE MACHINE TOOL COMPANY, Hudson, Mass. Filed Oct. 7, 1947. (Sec. 2f.)

LAPOINTE

Applicant claims ownership of Registrations Nos. 376,276 and 270,085.

FOR BROACHING MACHINES.

Claims use since Mar. 8, 1938.

Ser. No. 538,140. THE HYDRAULIC PRESS MANUFACTURING COMPANY, Mount Gilead, Ohio. Filed Oct. 17, 1947. (Sec. 2f.)

FASTRAVERSE

Applicant claims ownership of Registration No. 286,803.

FOR HYDRAULIC PRESSES.

Claims use since July 11, 1930.

Ser. No. 540,904. SAFEGUARD CORPORATION, Lansdale, Pa. Filed Nov. 12, 1947. (Sec. 2f.)

SAFE-GUARD CHECK-WRITER

The words "Check-Writer" are disclaimed. Applicant claims ownership of Registration No. 163,666.

FOR STAMPING MACHINES FOR PROTECTING BANK CHECKS AND OTHER NEGOTIABLE PAPERS.

Claims use since Jan. 1, 1918.

Ser. No. 541,291. S. & G. GUMP COMPANY, San Francisco, Calif. Filed Nov. 15, 1947. (Sec. 2f.)

GUMP'S

FOR STEEL CARVING SETS, STEEL STEAK SETS, STEEL KNIVES, AND SCISSORS.

Claims use since Mar. 22, 1920.

Ser. No. 549,301. TRI-CLOVER MACHINE CO., Kenosha, Wis. Filed Feb. 10, 1948.

FOR LIQUID PUMPS FOR USE PRINCIPALLY IN THE DAIRY FOOD AND CHEMICAL INDUSTRIES, SAW VISES, EXPANDING DIE BLOCKS, BLOCK HOLDING VISES, TUBE EXPANDERS, TUBE FACERS, WRENCHES, SEATING TOOLS, SEATING CUTTERS, THREAD CHASERS, AND KNOCK OUT MANDRELS.

Claims use since August 1927, on pumps; and since June 1946, on other products.

Ser. No. 549,408. ATLANTIC SERVICE CO., INC., Brooklyn, N. Y. Filed Feb. 11, 1948.

The mark comprises a sinuous line extending along the body of a saw blade.

FOR SAW BLADES OF BOTH STRAIGHT AND BAND TYPES.

Claims use since Nov. 19, 1947.

Ser. No. 551,961. THE EMPIRE PLOW COMPANY, Cleveland, Ohio. Filed Mar. 15, 1948.

◇EMPIRE RED CHIEF◇

FOR SWEEPS, TEETH, SHOVELS, TONGUES, AND LIKE GROUND-WORKING AGRICULTURAL METAL TOOLS.

Claims use since July 1, 1940.

Ser. No. 553,907. SCHIELD BANTAM COMPANY, Waverly, Iowa. Filed Apr. 5, 1948.

Schield Bantam

The word "Schield" is disclaimed. Applicant claims ownership of Registration No. 426,054.

FOR EARTH MOVING MACHINERY — NAMELY, POWER SHOVELS AND DITCHING MACHINES.

Claims use since Apr. 10, 1942.

Ser. No. 559,230. KIDDE MANUFACTURING CO., INC., Bloomfield, N. J. Filed June 15, 1948.

CREAM - KING

Applicant disclaims the word "Cream" apart from the mark as shown.

FOR HAND OPERATED WHIPPER COMPRISING A CONTAINER AND MEANS INCLUDING A CARTRIDGE FOR DISCHARGING COMPRESSED GAS INTO THE CONTAINER FOR MIXING OR WHIPPING CREAM AND OTHER FOODS.

Claims use since Sept. 19, 1947.

Ser. No. 561,193. J. R. S. SPECIALTIES MANUFACTURING CO., INC., Nyack, N. Y. Filed July 12, 1948.

JRS

FOR PIPE CUTTERS, PIPE WRENCHES, FLARING TOOLS, TUBE BENDERS, SWEDGING TOOLS, VALVE NIPPLE WRENCHES, PIPE CHAIN WRENCHES, AND CLOSET SPUD WRENCHES.

Claims use since Jan. 6, 1925.

Ser. No. 564,788. SCREW CONVEYOR CORPORATION, Hammond, Ind. Filed Sept. 7, 1948. (Sec. 2f.)

HAMMOND

FOR ELEVATING AND CONVEYING APPARATUS COMPRISING CONTINUOUS BUCKET ELEVATORS, AND SCREW OR SPIRAL AND HELICAL TYPES OF CONVEYOR SYSTEMS AND PARTS THEREOF.
Claims use since July 11, 1940.

Ser. No. 565,525. THE CINCINNATI MILLING MACHINE CO., Cincinnati, Ohio. Filed Mar. 23, 1948.

PROJECTO-FORM

The word "Form" is disclaimed.
FOR PRECISION GRINDING MACHINES.
Claims use since Dec. 4, 1946.

Ser. No. 566,124. DE LUXE PRODUCTS CORPORATION, Laporte, Ind. Filed Sept. 30, 1948. (Sec. 2f.)

DELUXE

Applicant claims ownership of Registration No. 343,726.
FOR PISTONS AND EXHAUST MANIFOLD ATTACHMENTS FOR INTERNAL COMBUSTION ENGINES.
Claims use since July 1920.

Ser. No. 567,028. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Oct. 15, 1948.

ROBOT

FOR STAPLING MACHINES OF THE HAND-OPERATED TYPE USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND LIGHT GAGE METAL TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND LIGHT GAGE METAL ONTO WOOD.
Claims use since Dec. 20, 1938.

Ser. No. 567,163. WOODBOSS INC., Portland, Oreg. Filed Oct. 18, 1948.



Applicant disclaims the representation of the goods apart from the mark.
FOR PORTABLE POWER WOOD SAWS AND PARTS THEREOF.
Claims use since Aug. 1, 1948.

Ser. No. 567,489. BORG-WARNER CORPORATION, Chicago, Ill. Filed Oct. 23, 1948. (Sec. 2f.)

MECHANICS

Applicant claims ownership of Registration No. 251,466.
FOR UNIVERSAL JOINTS AND PROPELLER SHAFTS FOR DIVERS MECHANISMS—NAMELY, PASSENGER CARS, TRUCKS, RAILWAY CAR UNDERDRIVES, INDUSTRIAL MACHINERY, ROAD MACHINERY, EARTH MOVING MACHINERY, MECHANICAL FARM IMPLEMENTS AND MACHINERY, TRACTORS, MACHINE TOOLS, CENTRIFUGAL PUMPS, AND AIRCRAFT.
Claims use since 1913; and since 1931 on the mark shown.

Ser. No. 567,715. RICH MANUFACTURING CORPORATION, Battle Creek, Mich. Filed Oct. 27, 1948.

FMC

FOR POPPET VALVES FOR INTERNAL COMBUSTION ENGINES, COMPRESSORS, AND THE LIKE.
Claims use since October 1935.

Ser. No. 568,484. ANSAN TOOL & MFG. CO., Chicago, Ill. Filed Nov. 10, 1948.

ANSAN

The representation of the tool is disclaimed.
FOR COMPOUND, PROGRESSIVE, BLANKING, DRAWING AND FORMING DIES.
Claims use since November 1946.

Ser. No. 568,925. ARMSTRONG SIDDELEY MOTORS LIMITED, Coventry, England. Filed Nov. 17, 1948.

SAPPHIRE

Applicant claims ownership of British Registration No. 673,175, dated Sept. 30, 1948.
FOR AEROPLANE ENGINES AND STRUCTURAL PARTS THEREOF.

Ser. No. 570,432. PRECO INCORPORATED, Los Angeles, Calif. Filed Dec. 13, 1948.

Preco

FOR TERRACERS—NAMELY, WHEEL SUPPORTED APPARATUS OF THE SCRAPER TYPE USED FOR LAND LEVELLING, ROAD GRADING AND SIMILAR PURPOSES.
Claims use since Aug. 20, 1948.

Ser. No. 570,560. HELLER BROTHERS COMPANY, Newark, N. J. Filed Dec. 15, 1948.

ATOMIC

FOR HAMMERS, FILES, RASPS, PINCHERS, AND CHISELS.
Claims use since Oct. 20, 1948.

Ser. No. 570,766. CHAIN BELT COMPANY, Milwaukee, Wis. Filed Dec. 18, 1948.



FOR CHAINS AND PARTS THEREOF FOR CONVEYING, CONTROL, AND POWER TRANSMISSION PURPOSES, AND SPROCKETS THEREFOR.
Claims use since Mar. 25, 1948.

Ser. No. 570,871. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y. Filed Dec. 20, 1948.

Norelco

FOR ELECTRIC RAZORS.
Claims use since Oct. 1, 1948.

Ser. No. 571,172. SPENGLER-LOOMIS MANUFACTURING COMPANY, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Filed Dec. 27, 1948. (Sec. 2f.)

CHICAGO

FOR PENCIL SHARPENERS AND PARTS THEREFOR.
Claims use since 1905.

Ser. No. 571,173. SPENGLER-LOOMIS MANUFACTURING COMPANY, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Filed Dec. 27, 1948.

Climax

FOR PENCIL SHARPENERS AND PARTS THEREFOR.
Claims use since 1900.

Ser. No. 571,175. SPENGLER-LOOMIS MANUFACTURING COMPANY, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Filed Dec. 27, 1948. (Sec. 2f.)

DEXTER

FOR PENCIL SHARPENERS AND PARTS THEREFOR.
Claims use since 1905.

Ser. No. 571,176. SPENGLER-LOOMIS MANUFACTURING COMPANY, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Filed Dec. 27, 1948. (Sec. 2f.)

GIANT

FOR PENCIL SHARPENERS AND PARTS THEREFOR.
Claims use since 1905.

Ser. No. 571,178. SPENGLER-LOOMIS MANUFACTURING COMPANY, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Filed Dec. 27, 1948.

Wizard

FOR PENCIL SHARPENERS AND PARTS THEREFOR.
Claims use since 1904.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 563,277. PRODUCTION ENGINEERING PRODUCTS Co., Butler, Pa. Filed Aug. 12, 1948.

PRODUCTION ENGINEERING PEPCO PRODUCTS CO.

No claim is made to the words "Production Engineering Products Co.," apart from the mark as shown.
FOR THREE OPERATOR GARMENT PRESSING UNIT, COLLAR SHAPERS AND CLAMPING DEVICE, SHIRT YOKE AND SHIRT TAIL CLAMPING DEVICE, ROTATING SPRAY DEVICE FOR LAUNDRY UNIT AND LAUNDRY COVER AND PADDING CLOTH TIGHTENER.
Claims use since Aug. 1, 1948.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 530,040. VESUVIUS CRUCIBLE COMPANY, Swissvale, Pa. Filed July 30, 1947.

VESUVIUS

Applicant claims ownership of Registration No. 128,558.
FOR LABORATORY CRUCIBLES AND LADLE STOPPERS.
Claims use since 1918.

Ser. No. 552,001. A. F. PARMALEE, doing business as United States Safety Service Company, Kansas City, Mo., assignor to United States Safety Service Company, Kansas City, Mo., a corporation of Missouri. Filed Mar. 15, 1948.

HALO

FOR FACE SHIELDS AND GOGGLES.
Claims use since Oct. 10, 1945.

Ser. No. 563,835. ALBERT WITTLIN, doing business as Allin Manufacturing Co., Chicago, Ill. Filed Aug. 21, 1948.

LIQUID EYE

The word "Liquid" is disclaimed.
FOR FLUID FLOW SIGHT INDICATOR FOR FLUID BODY IN CIRCULATORY SYSTEM.
Claims use since Dec. 10, 1947.

Ser. No. 565,196. NU-ART FILMS, INC., New York, N. Y. Filed Sept. 15, 1948. (Sec. 2f.)

ODDITIES BEYOND BELIEF

FOR SERIES OF MOTION PICTURE PHOTO PLAYS.
Claims use since 1940.

Ser. No. 573,340. SHURON OPTICAL COMPANY, INC., Geneva, N. Y. Filed Feb. 4, 1949.

RELAXO

FOR TEMPLES FOR OPHTHALMIC MOUNTINGS.
Claims use since Jan. 31, 1915.

Ser. No. 573,390. W. M. WELCH MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 5, 1949.

DENSICHRON

FOR PHOTOSENSITIVE LIGHT MEASURING OR INDICATING INSTRUMENTS.
Claims use since November 1948.

Ser. No. 573,398. AUTOMATIC SCALE COMPANY, INC., New York, N. Y. Filed Feb. 7, 1949.

ASCO

FOR WEIGHING MACHINES.
Claims use since Oct. 5, 1935.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 558,158. OLLENDORFF WATCH CO. INC., New York, N. Y. Filed May 29, 1948.

GOTHAM
DATE-O-MATIC

The word "Date" is disclaimed. Applicant claims ownership of Registrations Nos. 515,748 and 431,192.
FOR WATCHES AND CLOCKS.
Claims use since Jan. 5, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 577,263. GEMEX COMPANY, Union, N. J. Filed Apr. 16, 1949.

PONTIAC

Applicant claims ownership of Registrations Nos. 277,905, 344,763, and 395,604.
FOR WATCH BRACELETS AND WATCH STRAPS.
Claims use since June 18, 1930.

Ser. No. 578,507. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed May 10, 1949.

Queen's Lace

FOR STERLING SILVER TABLE WARE.
Claims use since Aug. 18, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 568,497. DELTA BRUSH MFG. CORP., New York, N. Y. Filed Nov. 10, 1948.

DELTA'S MASTER EL GRECO

Applicant claims ownership of Registrations Nos. 433,607, 420,726, 421,036, and 511,368.
FOR PAINT AND ARTISTS' BRUSHES.
Claims use since Nov. 7, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 557,817. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed May 26, 1948.

SELLERATOR

FOR ADVERTISING DISPLAY UNITS WHICH INCLUDE SHELVES FOR THE DISPLAY OF VARIOUS PRODUCTS.
Claims use since August 1941.

Ser. No. 566,438. INTERNATIONAL FURNITURE COMPANY, Chicago, Ill. Filed Oct. 2, 1948.

Dav-N-Bed

Exclusive right to use of the word "Bed" is not claimed apart from the mark as shown.
FOR UPHOLSTERED LIVING ROOM SOFA, SO CONSTRUCTED TO SERVE AS A BED AT NIGHT, AND CONTAINING A FULL SIZED INNERSPRING MATTRESS THAT FOLDS INTO THE SOFA, AND IS COMPLETELY CONCEALED WHEN THE SOFA IS CLOSED.
Claims use since June 11, 1948.

Ser. No. 567,076. THE GEIER MATTRESS COMPANY, Rossmoyne, Ohio. Filed Oct. 16, 1948.

ZENITH

FOR MATTRESSES.
Claims use since July 12, 1937.

Ser. No. 568,956. JOHNSON SPRING CUSHION COMPANY, Chicago, Ill. Filed Nov. 17, 1948.

MIRACOIL

FOR INNERSPRING UNITS FOR MATTRESSES AND CUSHIONS.
Claims use since Mar. 23, 1948.

Ser. No. 573,959. MERCANTILE STORES COMPANY, INC., Wilmington, Del. Filed Feb. 16, 1949.

S.P.M.

FOR PILLOWS, BEDSPRINGS AND MATTRESSES, AND FURNITURE MADE OF WOOD, WICKER, METAL, CANVAS OR PLASTIC, UPHOLSTERED OR NOT UPHOLSTERED, FOR THE LAWN, PORCH, BASEMENT, ATTIC, KITCHEN, BEDROOM, LIVING ROOM, DINING ROOM AND OTHER PARTS OF THE HOUSEHOLD—NAMELY, CHAIRS OF VARIOUS SIZES, TABLES OF VARIOUS SIZES, STOOLS OF VARIOUS SIZES, DESKS, DAVENPORTS, SOFAS, CHESTS, CABINETS, BOOKCASES, BENCHES, BEDS, SECRETARIES, SETTEES, ROCKERS, BEDROOM, BREAKFAST, DINETTE AND DINING ROOM SETS, VANITIES, DRESSERS, WARDROBES, SEWING CABINETS, WALL CABINETS, BATHROOM CABINETS, KITCHEN CABINETS, WHATNOTS, CHIFFONIERS, COMMODES, COSTUMERS, CRIBS, BASSINETS, MAGAZINE RACKS, MIRRORS, WINDOW SHADES, VENETIAN BLINDS, FOLDING SCREENS FOR DIVISIONAL DOMESTIC PURPOSES, SHOE RACKS, SLIP COVERS, SMOKING STANDS, OTTOMANS, PLAYPENS, GLIDERS, PORCH SWINGS AND UNFINISHED FURNITURE ITEMS OF THE FOREGOING TYPE FOR FINISHING PURPOSES.
Claims use since May 16, 1947.

CLASS 33
GLASSWARE

Ser. No. 565,988. ANCHOR HOCKING GLASS CORPORATION, Lancaster, Ohio. Filed Feb. 13, 1948.

FIRE-KING

Applicant claims ownership of Registration No. 388,452.
FOR GLASS ARTICLES—NAMELY, CUPS, SAUCERS, FRUITS, CEREALS, PIE OR SALAD PLATES, SOUP PLATES, DINNER PLATES, VEGETABLE BOWLS, PLATTERS, SUGARS AND COVERS, CREAMERS, DESSERT CUPS, FANCY BOWLS, FLOWER POTS, VASES, BULB BOWLS, ST. DENIS CUPS, ST. DENIS SAUCERS, COFFEE MUGS, MIXING BOWLS, REFRIGERATOR JARS AND COVERS, DOUBLE ROASTERS, SQUARE BAKERS, CASSEROLES (KNOB COVERS), CASSEROLES (PIE PLATE COVERS), ROUND BAKERS, PIE PLATES, PERCOLATOR TOPS, KITCHEN BOWLS, CUSTARD CUPS, MEAT LOAF PANS, UTILITY PANS.
Claims use since Jan. 30, 1941.

CLASS 34
HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 539,119. AUTOMATIC RANGE CO., INC., Brooklyn, N. Y. Filed Oct. 27, 1947.

Royal Rose

FOR COOKING RANGES.
Claims use since December 1939.

Ser. No. 556,484. POLAIRE COOLER CO., Phoenix, Ariz. Filed May 7, 1948.

POLAIRE

FOR EVAPORATIVE AIR COOLERS.
Claims use since Feb. 16, 1947.

Ser. No. 566,404. TEXFAN COMPANY, Houston, Tex., assignor to Hackley Morrison, Jr., doing business as Texfan Company, Houston, Tex. Filed Oct. 4, 1948.

WindoWondo

FOR VENTILATING AND EXHAUST FANS.
Claims use since June 1, 1947.

CLASS 35
BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 574,862. WM. A. REYNOLDS & CO., INC., Cleveland, Ohio. Filed Mar. 3, 1949.

WARFLEX

FOR RUBBER HOSE.
Claims use since Sept. 14, 1948.

Ser. No. 575,428. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Mar. 14, 1949.



Applicant claims ownership of Registration No. 427,059.
FOR PORTABLE REPAIR KITS FOR REPAIRING INNER TIRE TUBES AND SIMILAR RUBBER GOODS, AND HOT PATCHES FOR TIRE REPAIR.
Claims use since Sept. 1, 1932.

Ser. No. 575,617. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Mar. 18, 1949.

PUFF

FOR VEHICLE TIRES.
Claims use since Mar. 8, 1949.

CLASS 37
PAPER AND STATIONERY

Ser. No. 526,069. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1948.



The portrait of the individual is fanciful.
FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.
Claims use since Feb. 15, 1932.

Ser. No. 556,104. EDWARD A. JOHNSON, Solana Beach, Calif. Filed May 3, 1948.

MEMOGRAM

FOR MEMORANDUM PADS.
Claims use since Sept. 17, 1947.

Ser. No. 563,757. ROSETH CORPORATION, Brooklyn and New York, N. Y. Filed Aug. 19, 1948.

MOTHEX

Applicant claims ownership of Registration No. 333,336.
FOR TAR PAPER FOR WRAPPING AND STORAGE PURPOSES.
Claims use since Nov. 7, 1921.

Ser. No. 564,766. CROWN ZELLERBACH CORPORATION, doing business as National Paper Products Sales Company, San Francisco, Calif. Filed Sept. 7, 1948. (Sec. 2f.)

FABRIK-SOFT

The word "Soft" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 409,202.
FOR TOILET TISSUE.
Claims use since May 1938.

Ser. No. 566,197. UNITED PAPER COMPANY, Tampa, Fla. Filed Sept. 30, 1948.

"U-NEEDA"

FOR PAPER NAPKINS, WAXED PAPER ROLLS AND SHEETS, TOILET PAPER, PAPER TOWELS.
Claims use since Apr. 26, 1948.

Ser. No. 567,280. HURLEY SMITH, Lansing, Mich. Filed Oct. 20, 1948. (Sec. 2f.)

Ever-Clean

FOR POCKET SIZE FOLDED PLASTIC SHEET SERVING AS A POCKET SHIELD FOR PENCILS AND PENS.
Claims use since June 27, 1948.

Ser. No. 567,932. TINGSTOL CORPORATION, Chicago, Ill. Filed Oct. 30, 1948.

PENCIL CADDY

The word "Pencil" is disclaimed.
FOR FLEXIBLE PLASTIC CASE FOR HOLDING PENCILS, ERASERS AND RULERS ADAPTED FOR MOUNTING IN RING BINDERS.
Claims use since Sept. 22, 1948.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 492,456. THE OIL TRADE JOURNAL PUBLISHING CORPORATION, New Orleans, La. Original filed, act of 1920, Nov. 30, 1945; amended to application under act of 1946, Principal Register, Oct. 8, 1948. (Sec. 2f.)

OIL

FOR TRADE MAGAZINE.
Claims use since February 1941.

Ser. No. 555,772. SANTA-GRAF CORPORATION, Chicago, Ill. Filed Apr. 28, 1948.

SANTA-GRAF

The word "Santa" is disclaimed.
FOR FINISHED PHOTOGRAPHS.
Claims use since Mar. 7, 1947.

Ser. No. 565,573. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H. Filed Sept. 21, 1948.

STYLOGRAM

FOR PREPARED ADVERTISING SOLD AS SUCH CONSISTING OF A PRINTED SHEET OF PAPER STOCK HAVING A DELINEATED PORTION WHICH, WHEN THE SHEET IS INSERTED IN A GARMENT POCKET, PROJECTS THEREFROM AND SIMULATES AN ARTICLE RECEIVED IN THE POCKET WITH A PORTION PROJECTING THEREFROM.
Claims use since Apr. 7, 1948.

Ser. No. 569,289. THE OIL FORUM, INC., New York, N. Y. Filed Nov. 23, 1948.

The OIL FORUM

The word "Oil" is disclaimed.
FOR MAGAZINE OR PERIODICAL.
Claims use since November 1946.

Ser. No. 571,115. BARBARA J. COOPERSMITH, doing buisness as Boppy Ceed, Denver, Colo. Filed Dec. 27, 1948.

CAT-I-CATURES

FOR COMIC PICTURES.
Claims use since Dec. 4, 1948.

CLASS 39

CLOTHING

Ser. No. 518,163. MUNSINGWEAR, INC., Minneapolis, Minn. Original filed, act of 1905, Feb. 26, 1947; amended to application under act of 1946, Principal Register, May 16, 1949.

GLENWOOD

FOR MEN'S AND WOMEN'S KNITTED UNDERWEAR.
Claims use since July 5, 1933.

Ser. No. 518,670. HAL-MAR DRESS COMPANY, St. Louis, Mo. Original filed, act of 1905, Mar. 7, 1947; amended to application under act of 1946, Principal Register, Oct. 12, 1949.

HAL-MAR

FOR JUNIOR GIRLS', MISSES', AND WOMEN'S DRESSES.
Claims use since May 1, 1941.

Ser. No. 519,862. CORMAN & WASSERMAN, INC., Baltimore, Md., assignee of Corman and Wasserman. Original filed, act of 1905, Mar. 31, 1947; amended to application under act of 1946, Principal Register, Sept. 9, 1948.

MAYFAIR

The representation of the pants is disclaimed. Applicant claims ownership of Registration No. 202,162.
FOR MEN'S TROUSERS.
Claims use since Mar. 11, 1947.

Ser. No. 535,480. CARMEN CLASSICS CORPORATION, New York, N. Y. Filed Sept. 24, 1947.

Leni Lyne

No claim is made to the word "Lyne" insofar as it may be considered the phonetic equivalent of the word "Line," apart from the mark as shown.
FOR WOMEN'S CLOTHING—NAMELY, BLOUSES, OUTER SKIRTS, SUITS, AND DRESSES.
Claims use since Aug. 26, 1947.

Ser. No. 536,993. BLUE BELL, INC., Greensboro, N. C. Filed Oct. 7, 1947.

BIG BEN

Applicant claims ownership of Registrations Nos. 126,864 and 387,980.
FOR MEN'S, WOMEN'S, BOYS' AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS, AND ONE-PIECE SUITS.
Claims use since July 1, 1915.

Ser. No. 538,475. VOGUE FOUNDATIONS, INC., Newark, N. J. Filed Oct. 20, 1947. (Sec. 2f as to the word "Vogue.")

Vogue

ANGEL SKIN

Applicant disclaims apart from the mark as shown the words "Angel Skin."
FOR FOUNDATION GARMENTS, AS CORSETS, BRASSIÈRES, BANDEAUX, AND COMBINATIONS THEREOF.
Claims use since November 1916.

Ser. No. 539,999. TROY SPORTSWEAR CO., doing business as Troy of California, San Francisco, Calif. Filed Nov. 3, 1947.

TUB BUBBLE

The word "Tub" is disclaimed.
FOR MEN'S AND BOYS' SPORT SHIRTS AND JACKETS.
Claims use since June 1947.

Ser. No. 548,983. I. & R. MORLEY, LIMITED, London, England. Filed Feb. 6, 1948. (Sec. 2f.)

MORLEY

Applicant claims ownership of Registrations Nos. 356,451 and 367,059.
FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER OR FABRIC; HOSIERY, JUMPERS, PULLOVERS, CARDIGANS, BED-JACKETS, SWIM SUITS, SWIM TRUNKS, BRASSIÈRES, HALTERS, AND BATHROBES FOR MEN, WOMEN, AND CHILDREN; MEN'S AND BOYS' SHIRTS AND PAJAMAS.
Claims use since 1800 in Great Britain.

Ser. No. 550,185. WELLS LAMONT CORPORATION, Chicago, Ill. Filed Feb. 19, 1948.

Handy Family

Applicant claims ownership of Registrations Nos. 391,803 and 396,332.
FOR WORK GLOVES OF FABRIC.
Claims use since Dec. 17, 1947.

Ser. No. 550,426. MORRIS, MANN & REILLY, INC., Chicago, Ill. Filed Feb. 24, 1948.



The lining on the drawing is for shading only.
FOR HAIR NETS.
Claims use since May 2, 1910.

Ser. No. 552,392. THE HECHT COMPANY, Washington, D. C. Filed Dec. 30, 1947. (Sec. 2f.)

Welford

Applicant claims ownership of Registration No. 315,622.
FOR MEN'S AND BOYS' SUITS, INCLUDING COATS, VESTS, AND TROUSERS; OVERCOATS, TOPCOATS, BATHROBES, DRESSING GOWNS, SWEATERS, GOLF SUITS, RAIN COATS, HATS, CAPS, MUFFLERS, DRESS, WORK AND NEGLIGEE SHIRTS, UNDERWEAR, INCLUDING UNDERSHIRTS, DRAWERS, SHORTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC AND/OR ANY COMBINATION THEREOF, AND HOSIERY.
Claims use since Sept. 20, 1928.

Ser. No. 554,309. GOLDRING INC., New York, N. Y. Filed Apr. 10, 1948. (Sec. 2f.)

Townley

Applicant claims ownership of Registration No. 296,939.
FOR LADIES' COATS AND SUITS.
Claims use since July 15, 1931.

Ser. No. 556,263. MISS HARRIET MANUFACTURING CO., Philadelphia, Pa. Filed May 5, 1948.

Miss Harriet

FOR INFANTS' AND CHILDREN'S DRESSES.
Claims use since Apr. 26, 1948.

Ser. No. 556,832. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

ANDESIA

FOR WOMEN'S AND MISSES' COATS.
Claims use since Dec. 6, 1937.

Ser. No. 556,834. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

CHUNDA

Applicant claims ownership of Registration No. 358,028.
FOR WOMEN'S COATS.
Claims use since Oct. 19, 1936.

Ser. No. 556,835. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

CLOUD DRIFT

Applicant claims ownership of Registration No. 333,195.
FOR WOMEN'S COATS.
Claims use since Sept. 13, 1935.

Ser. No. 556,836. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

DESIRE

Applicant claims ownership of Registration No. 201,953.
FOR WOMEN'S COATS.
Claims use since Apr. 26, 1923.

Ser. No. 556,837. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

HONEYDEW

Applicant claims ownership of Registration No. 174,026.
FOR WOMEN'S COATS.
Claims use since Mar. 1, 1918.

Ser. No. 556,840. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

PALATIA

Applicant claims ownership of Registration No. 189,917.
FOR WOMEN'S COATS.
Claims use since Oct. 2, 1923.

Ser. No. 556,841. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

PREFERENTIA

Applicant claims ownership of Registration No. 189,918.
FOR WOMEN'S COATS.
Claims use since Oct. 2, 1923.

Ser. No. 556,842. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

Royal Trophy

Applicant claims ownership of Registrations Nos. 369,190 and 366,914.
FOR WOMEN'S COATS.
Claims use since Dec. 6, 1938.

Ser. No. 556,843. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

TOLIMA

Applicant claims ownership of Registration No. 354,973.
FOR WOMEN'S COATS.
Claims use since Nov. 13, 1936.

Ser. No. 556,844. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

TULEMONDE

Applicant claims ownership of Registration No. 293,726.
FOR WOMEN'S COATS.
Claims use since Oct. 26, 1931.

Ser. No. 557,106. BINKY BABY PRODUCTS COMPANY, New York, N. Y. Filed May 15, 1948.

Binky

Applicant claims ownership of Registration No. 408,815.
FOR BABY RUBBER PANTS AND BABY BIBS.
Claims use since Oct. 1, 1935.

Ser. No. 558,167. JOHN T. RIDDELL, INC., Chicago, Ill. Filed May 29, 1948. (Sec. 2f.)

RIDDELL

Applicant claims ownership of Registrations Nos. 302,272 and 303,743.
FOR SHOES, PARTICULARLY ATHLETIC SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since September 1928.

Ser. No. 558,197. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

DOWNDERRY

Applicant claims ownership of Registration No. 514,231.
FOR WOMEN'S COATS.
Claims use since July 19, 1937.

Ser. No. 558,198. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

INCANA

FOR WOMEN'S COATS.
Claims use since Jan. 27, 1938.

Ser. No. 558,199. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

LAUDERA

Applicant claims ownership of Registration No. 514,232.
FOR WOMEN'S COATS.
Claims use since May 6, 1938.

Ser. No. 558,203. S. STROOCK & Co. INC., New York, N. Y. Filed May 11, 1948.

TANGARA

Applicant claims ownership of Registration No. 516,906.
FOR WOMEN'S COATS.
Claims use since Sept. 1, 1937.

Ser. No. 559,988. BATES MANUFACTURING COMPANY, Lewiston, Maine. Filed June 23, 1948.



The representation of the young girl is fanciful. The drawing is lined for the colors pink and blue. No claim is made to the representation of the dress apart from the mark as a whole. The name "Betty Bates" is fictitious and represents no particular living individual.
FOR CHILDREN'S AND MISSES' DRESSES.
Claims use since May 11, 1948.

Ser. No. 559,989. BATES MANUFACTURING COMPANY, Lewiston, Maine. Filed June 23, 1948.

Betty Bates

The name "Betty Bates" is fictitious and represents no particular living individual.
FOR CHILDREN'S AND MISSES' DRESSES.
Claims use since May 11, 1948.

Ser. No. 560,037. NEIMAN-MARCUS COMPANY, Dallas, Tex. Filed June 23, 1948.

natural
blue
blood
mink

Applicant disclaims the right to the exclusive use of the words "Natural" and "Mink" except as in the association shown.
FOR MINK FUR JACKETS, SCARFS, AND HATS.
Claims use since June 1, 1948.

Ser. No. 560,099. JANE EVANS FROCKS, INC., New York, N. Y. Filed June 24, 1948. (Sec. 2f.)

Jane Evans

The expression "Jane Evans" is a fanciful name. Applicant claims ownership of Registration No. 393,717.
FOR LADIES' AND MISSES' DRESSES, SKIRTS, COATS, JACKETS, BLOUSES, AND SUITS.
Claims use since Apr. 2, 1937.

Ser. No. 560,162. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill. Filed June 25, 1948.

BOSS
FIST-GRIP

The words "Fist-Grip" are disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 42,199, 87,151, 189,372, 194,413, and 210,819.
FOR GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC.
Claims use since Oct. 5, 1940.

Ser. No. 560,174. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill. Filed June 25, 1948.

BOSS

TIGER

Applicant claims ownership of Registrations Nos. 42,199, 189,372, and 194,413.
FOR GLOVES AND MITTENS MADE OF LEATHER OR FABRIC OR A COMBINATION THEREOF.
Claims use since Apr. 30, 1943.

Ser. No. 561,382. CONTINENTAL MILLS, INC., Philadelphia, Pa. Jan. 22, 1948.

Continental

Glo Down

Applicant claims ownership of Registration No. 364,803.
FOR MEN'S, WOMEN'S, BOYS', GIRLS', CHILDREN'S AND INFANTS' OVERCOATS, TOPCOATS, COATS, SUITS, VESTS, TROUSERS, SLACKS, CLOAKS, CAPES, COAT SETS AND LEGGING SETS, ALL MADE OF TEXTILE FABRICS.
Claims use since Aug. 5, 1938.

Ser. No. 561,427. MANDEL MANUFACTURING CO., St. Louis, Mo. Filed Mar. 29, 1948. (Sec. 2f.)

JO COLLINS

The term Jo Collins is fanciful. Applicant claims ownership of Registration No. 401,645.
FOR JUNIOR MISSES' AND MISSES' DRESSES, BLOUSES, SLACKS, SLACK SUITS, AND SKIRTS.
Claims use since Mar. 1, 1942.

Ser. No. 563,514. WOLFSON & GREENBAUM, INC., New York, N. Y. Filed Aug. 16, 1948.

Classicmaster

FOR LADIES' AND MISSES' DRESSES.
Claims use since July 1, 1948.

Ser. No. 563,553. SUE BRETT, INC., New York, N. Y. Filed Aug. 2, 1948.

Sue Brett



The mark is not the name of a particular living individual and is fanciful.
FOR DRESSES AND LADIES' SUITS.
Claims use since Aug. 18, 1947.

Ser. No. 564,563. FEINRIDER BROS., INC., New York, N. Y. Filed Sept. 2, 1948.



The word "Maternities" is disclaimed.
FOR LADIES', MISSES', JUNIOR MISSES' AND WOMEN'S DRESSES.
Claims use since June 1948.

Ser. No. 564,916. TILLY SCHANZER, INC., New York, N. Y. Filed Sept. 9, 1948.

Tilly Schanzer

The mark Tilly Schanzer consists of the name of the president of the applicant corporation.
FOR WOMEN'S SPORTSWEAR—NAMELY, JACKETS, SKIRTS, DRESSES, SLACKS, BLOUSES, AND SUITS.
Claims use since 1939.

Ser. No. 565,274. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Sept. 16, 1948.

LORRASET

FOR MEN'S, BOYS', AND WOMEN'S GARMENTS—NAMELY, OUTERSHIRTS, SKIRTS, SLACKS, BLOUSES, DRESSES, SUITS, COATS, BATH ROBES, AND LOUNGING ROBES.
Claims use since Aug. 19, 1948.

Ser. No. 565,569. MERIT CLOTHING COMPANY, INC., Mayfield, Ky. Filed Sept. 21, 1948.

MERIT ONE

FOR MEN'S SUITS.
Claims use since Sept. 1, 1948.

Ser. No. 565,821. H. SIEGFRIED & SONS, INC., St. Louis, Mo. Filed Sept. 24, 1948.

"RASECORD"

FOR MEN'S TROUSERS AND SLACKS.
Claims use since July 15, 1948.

Ser. No. 566,031. HARRY GLEMBY, INC., New York, N. Y. Filed Sept. 28, 1948.

Forraine

Applicant claims ownership of Registration No. 143,244 and others.
FOR HAIR NETS.
Claims use since June 1918.

Ser. No. 566,750. DAVID CRYSTAL, INC., New York, N. Y. Filed Oct. 9, 1948.

SUN WORSHIPPER

FOR LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, COVERALLS, JUMPERS, AND MEN'S SHIRTS.
Claims use since June 10, 1948.

Ser. No. 566,801. FELIX LEVINSON, doing business as Seaboard National Shoe Company, Baltimore, Md. Filed Oct. 11, 1948.

JUVOPEDICS

FOR SHOES, MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATION THEREOF.
Claims use since Aug. 3, 1948.

Ser. No. 566,812. SMOLER BROS., INC., Chicago, Ill., and New York, N. Y. Filed Oct. 11, 1948.

Charming Concealer



FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Nov. 18, 1942.

Ser. No. 567,402. HOLIDAY CASUALS, Brooklyn, N. Y. Filed Oct. 21, 1948.

"Easy Life"

FOR FOOTWEAR—NAMELY, SLIPPERS.
Claims use since February 1946.

Ser. No. 567,522. LAURA LEE FROCKS, INC., St. Louis, Mo. Filed Oct. 23, 1948.

Incognita

FOR WOMEN'S DRESSES.
Claims use since Sept. 1, 1948.

Ser. No. 568,348. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md. Filed Nov. 8, 1948.

SEALTEX

FOR SHOE HEELS OF NATURAL AND SYNTHETIC RUBBER AND COMPOSITIONS THEREOF, HAVING PLASTIC ADHESIVE COATINGS ON THE UPPER SURFACES THEREOF.
Claims use since Apr. 14, 1948.

Ser. No. 569,187. BLANKLETTE CORPORATION, New York, N. Y. Filed Nov. 22, 1948.

Blanklette

FOR SLIPPERS, PAJAMAS, SLEEPING GARMENTS, INFANT'S SLEEPING BAGS, AND INFANT'S SLEEPING ROBES.
Claims use since Sept. 19, 1948.

Ser. No. 569,221. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 22, 1948. (Sec. 2f.)

NO-TARE

Applicant claims ownership of Registration No. 311,813.
FOR MEN'S UNDERWEAR—NAMELY, ATHLETIC SHORTS AND UNION SUITS OF WOVEN FABRICS.
Claims use since Nov. 1, 1932.

Ser. No. 569,478. A. SAGNER'S SON, Baltimore, Md. Filed Nov. 26, 1948.

NORTHCORD

FOR MEN'S SUITS, COATS, TROUSERS, TOPCOATS, SPORT COATS, SPORT SHIRTS; AND LADIES' SUITS, SLACKS, AND SKIRTS.
Claims use since 1944.

Ser. No. 569,937. LAWRENCE GLUCKIN, New York, N. Y. Filed Nov. 27, 1948.

Lasti-Side

The word "Side" is disclaimed.
FOR BRASSIÈRES.
Claims use since Aug. 17, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 587,154. ANITA J. JONES, doing business under the fictitious name and style Anitra Products, Inglewood, Calif. Filed Oct. 3, 1949.

Anitra

FOR NON-ELECTRICAL HAIR CURLERS.
Claims use since Oct. 17, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 539,366. TANBRO FABRICS CORP., New York, N. Y. Filed Oct. 28, 1947.



FOR RAYON, COTTON, LINEN, WOOL, NYLON, AND SILK FABRICS IN THE PIECE.
Claims use since June 3, 1947.

Ser. No. 555,622. THE PANTASOTE COMPANY, Passaic, N. J. Filed Apr. 26, 1948.

PANTASOTE

FOR PLASTIC COATED FABRIC MADE TO RESEMBLE LEATHER.
Claims use since Dec. 1, 1890.

Ser. No. 567,494. BUTLER BROTHERS, Chicago, Ill. Filed Oct. 23, 1948.

Montclair

FOR CRETONNE CURTAIN YARD GOODS, PLASTIC BATHROOM CURTAINS, SHOWER CURTAINS, SHOWER CURTAIN DRAPES, WINDOW CURTAINS, PLASTIC FILM SOLD AS PIECE GOODS, PLASTIC SHELF EDGING.
Claims use since June 1941.

Ser. No. 568,830. CALLAWAY MILLS COMPANY, La Grange, Ga. Filed Nov. 16, 1948.

KEX

Applicant claims ownership of Registrations Nos. 231,767, 397,425, and 402,867.
FOR FABRIC CLOTHS FOR PROTECTING AUTOMOBILE FENDERS DURING GARAGE WORK.
Claims use since Oct. 21, 1948.

Ser. No. 578,203. EVERFAST FABRICS, INC., New York, N. Y. Filed May 4, 1949.

TUBLIN

FOR FABRICS OF COTTON, RAYON, AND MIXTURES THEREOF.
Claims use since Mar. 23, 1949.

Ser. No. 578,748. VERNEY CORPORATION, Boston, Mass. Filed May 12, 1949.

Bystander

FOR RAYON PIECE GOODS.
Claims use since Aug. 26, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 540,792. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 12, 1947. (Sec. 2f.)

TRUTYPE

FOR DENTAL FORM FINDER FOR CLASSIFYING FACIAL TYPES.
Claims use since June 1920.

Ser. No. 553,644. SCIENTIFIC PLASTICS, INC., New York, N. Y. Filed Apr. 1, 1948.

Hyda-Mold

FOR HEARING AID.
Claims use since Sept. 1, 1947.

Ser. No. 563,385. ROBERT S. ADLER, doing business as The Tannad Co., Chicago, Ill. Filed Aug. 14, 1948.

Baby-See

The word "Baby" is disclaimed.
FOR COMBINED TEETHING RING AND PLAY MIRROR FOR INFANTS.
Claims use since Jan. 8, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 553,305. PRESTON PRODUCTS CORP., Yonkers, N. Y. Filed Mar. 29, 1948.



The portrait is fanciful. The drawing is lined to represent the colors red, blue, green and brown.
FOR FLAVORED FOUNTAIN SYRUPS FOR MAKING MALTLESS SOFT DRINKS.
Claims use since Oct. 15, 1942.

Ser. No. 561,734. DR. PEPPER COMPANY, Dallas, Tex. Filed July 20, 1948. (Sec. 2f.)



The drawing is lined for shading purposes only. The name "Dr. Pepper" is fanciful. Applicant claims ownership of Registrations Nos. 312,774, 50,668, 197,401, and 422,562.
FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS A SOFT DRINK, AND SYRUPS FOR MAKING SAME.
Claims use since Jan. 1, 1933.

Ser. No. 561,906. DR. PEPPER COMPANY, Dallas, Tex. Filed July 22, 1948. (Sec. 2f.)

Dr. Pepper

The name "Dr. Pepper" is fanciful. Applicant claims ownership of Registrations Nos. 50,668, 197,401, 422,562, and 312,774.
FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS A SOFT DRINK, AND SYRUPS FOR MAKING SAME.
Claims use since 1885.

Ser. No. 565,077. THE PERFECTION COMPANY, LTD., Waco, Tex. Filed Sept. 13, 1948.

SPIZZ

Applicant claims ownership of Registration No. 374,963.
FOR LITHIATED LEMON CONCENTRATE USED IN THE PREPARATION OF MALTLESS SOFT DRINKS.
Claims use since Sept. 1, 1939.

Ser. No. 565,078. THE PERFECTION COMPANY, LTD., Waco, Tex. Filed Sept. 13, 1948.

Spizz

Applicant claims ownership of Registration No. 374,963.
FOR LITHIATED LEMON SOFT DRINK.
Claims use since Sept. 1, 1939.

Ser. No. 589,133. NATIONAL NUGRAPE COMPANY, Atlanta, Ga. Filed Dec. 20, 1949.

TROPICOLA

Applicant claims ownership of Registration No. 160,200.
FOR FLAVORING SYRUPS AND CONCENTRATES FOR USE IN MALTLESS SOFT DRINKS.
Claims use since Dec. 13, 1949.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 509,141. H. W. DOTY, doing business as Foodtown Super Markets, Pittsburg, Kans. Original filed, act of 1905, Sept. 16, 1946; amended to application under act of 1946, Principal Register, Sept. 15, 1947.

FOODTOWN

FOR HONEY, JELLY, FRUIT PRESERVES, SANDWICH SPREAD, FRESH EGGS, CHEESE.
Claims use since Dec. 15, 1940.

Ser. No. 509,989. J. LANORALL & BRO., INC., Baltimore, Md. Original filed, act of 1905, Sept. 30, 1946; amended to application under act of 1946, Principal Register, Oct. 27, 1947.

CAPO

The mark "Capo" is Italian for head.
FOR CANNED VEGETABLES.
Claims use since Jan. 11, 1940.

Ser. No. 527,025. EAGLE ROLLER MILL CO., New Ulm, Minn. Filed July 5, 1947.

EAGLE

FOR FOODS FOR HUMAN CONSUMPTION: WHEAT FLOUR, since Dec. 1, 1856; CREAM FARINA, AND PURE BUCKWHEAT FLOUR, since Jan. 1, 1913; HIGH GLUTEN FLOUR, WHOLE WHEAT FLOUR, CAKE AND PASTRY FLOUR, CAKE FLOUR, PASTRY FLOUR, WHEAT GRAHAM FLOUR, BUCKWHEAT PANCAKE SELF-RISING FLOUR, PANCAKE SELF-RISING FLOUR, BOHEMIAN STYLE RYE FLOUR, RYE GRAHAM FLOUR, RYE MEAL, PURE WHITE RYE FLOUR, PURE MEDIUM RYE FLOUR, PURE DARK RYE FLOUR, ROLLED RYE, CREAM RYE FLOUR, AND YELLOW CORN MEAL, since Jan. 1, 1925; SPECIAL WHEAT FLOUR, AND FAMILY PATENT WHEAT FLOUR, since Sept. 2, 1936; COARSE WHEAT FLOUR, AND ROLLED WHEAT, since Jan. 1, 1937, and Oct. 28, 1937, respectively; DARK RYE BATCH FLOUR, A READY BATCH OF RYE FLOUR AND NATURAL HIGH GLUTEN SPRING CLEAR FLOUR, LIGHT RYE BATCH FLOUR, A READY BATCH OF RYE FLOUR AND NATURAL HIGH GLUTEN SPRING CLEAR FLOUR, since July 29, 1942. LIVESTOCK AND POULTRY FEEDS: WHEAT BRAN WITH SCREENINGS, PURE WHEAT BRAN, WHEAT STANDARD MIDDLINGS WITH SCREENINGS, WHEAT FLOUR MIDDLINGS WITH SCREENINGS, WHEAT MIXED FEED WITH SCREENINGS, RED DOG FLOUR FOR USE AS FEED, RYE MIDDLINGS WITH SCREENINGS, RYE FEED WITH SCREENINGS, AND YELLOW HOMINY FEED, since Jan. 1, 1922; POULTRY FEED, CHICK STARTING MASH, BROILER MASH, GROWING MASH, BREEDER EGG MASH, POULTRY CONCENTRATE, A MIXTURE OF FEED INGREDIENTS, VITAMINS AND MINERALS CONTAINING 36 PER CENT CRUDE PROTEIN, TURKEY STARTING MASH, TURKEY BALANCER PELLETS, A MIXTURE OF FEED INGREDIENTS, VITAMINS AND MINERALS CONTAINING 32 PER CENT CRUDE PROTEIN PUT UP IN PELLET FORM, NO-CORN CHICK FEED, CHICK SCRATCH FEED, GROWING SCRATCH FEED, COARSE SCRATCH FEED, MOLASSES DAIRY FEED, 16 PER CENT MOLASSES DAIRY FEED, 16 PER CENT DAIRY RATION, 20 PER CENT DAIRY RATION, MINERALIZED DAIRY FEED, SWEET CATTLE FEED, CONTAINING 34 PER CENT CRUDE PROTEIN, CALF MEAL, PIG MEAL, AND MINERALIZED HOG FEED, since Jan. 1, 1927.
Claims use since dates following the particular items.

Ser. No. 528,754. ADDIE VALLINS, INC., New York, N. Y. Filed July 17, 1947. (Sec. 2f.)

addie vallins

The consent of Addie Vallins is on file.
FOR CANDIES AND ICE CREAM.
Claims use since Dec. 23, 1936.

Ser. No. 529,791. JOE MAGGIO, doing business as Joe D. Maggio, Holtville, Calif. Filed July 28, 1947. (Sec. 2f.)

MAGGIO

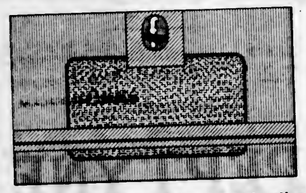
FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since Jan. 1, 1940.

Ser. No. 530,502. HANOVER CANNING COMPANY, Hanover, Pa. Filed Aug. 5, 1947. (Sec. 2f.)

HANOVER

Applicant claims ownership of Registration No. 206,598.
FOR CANNED SAUERKRAUT WITH PORK.
Claims use since January 1925.

Ser. No. 530,811. FEARN LABORATORIES, INC., Franklin Park, Ill. Filed Aug. 8, 1947.



The drawing is lined for red, brown and yellow or gold.
FOR MEAT CURING COMPOUNDS COMPOSED PRINCIPALLY OF SALT, SUGAR AND SPICES OR OTHER FOOD FLAVORINGS; SAUSAGE AND OTHER MEAT SEASONING COMPOUNDS COMPOSED PRINCIPALLY OF SPICES, SALT AND SUGAR; GUM AND CEREAL BINDERS AND STABILIZERS FOR MEAT PRODUCTS; FOOD FLAVORING (BUTTER AND MAPLE) COMPOUNDS IN CREAM, PASTE, LIQUID AND POWDER FORM; MEAT SEASONING IN PASTE AND POWDER FORM AND COMPOSED PRINCIPALLY OF PLANT PROTEINS AND SPICES; AND PANCAKE FLOUR.
Claims use since May 21, 1947.

Ser. No. 536,963. SOUTHEASTERN SYRUP COMPANY, Jackson, Tenn. Filed Oct. 6, 1947.

SESKO

FOR TABLE SYRUP.
Claims use since Feb. 18, 1942.

Ser. No. 537,063. W. M. MEADOR & CO., Mobile, Ala. Filed Oct. 7, 1947.



BIG BILL

The picture of the boy is William M. Meador, Jr., a member of the firm, consent is given.
FOR GRITS, AND DRY EDIBLE BEANS.
Claims use since Feb. 1, 1929.

Ser. No. 538,952. MILTON B. PAGE, Indio and (Rancho Palm Springs,) Coachella Valley, Calif. Filed Oct. 24, 1947. (Sec. 2f.)

Rancho PALM SPRINGS

Applicant claims ownership of Registration No. 427,629.
FOR FRESH GRAPEFRUIT.
Claims use since 1936.

Ser. No. 541,212. SPERRY CANDY COMPANY, Milwaukee, Wis. Filed Nov. 14, 1947.

CHICKEN SANDWICH

No claim is made to the word "Sandwich." Applicant claims ownership of Registrations Nos. 185,248 and 199,187.
FOR CANDY BARS.
Claims use since Nov. 20, 1923.

Ser. No. 550,652. DONALD A. BATTISTE, doing business as Bat-O-Lite Company, Philadelphia, Pa. Filed Feb. 27, 1948.

BAT-O-LITE
SUPERB SHORTENING

The suffix "Lite" and the words "Superb Shortening" and disclaimed.
FOR PREPARATION USED IN THE MANUFACTURE OF BAKERY PRODUCTS—NAMELY, A SHORTENING COMPOSED OF VEGETABLE FATS, FATTY ACIDS, AND EMULSIFIERS.
Claims use since Jan. 1, 1944, on "Bat-O-Lite"; and since Oct. 1, 1947, on the mark shown.

Ser. No. 552,134. ESKIMO PIE CORPORATION, Bloomfield, N. J. Filed Mar. 17, 1948.

"ARCTIC SUN"

FOR PREPARATIONS FOR COATING ICE CREAM AND OTHER SOLID FOODSTUFFS.
Claims use since Oct. 17, 1947.

Ser. No. 552,699. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 22, 1948. (Sec. 2f.)

RALSTON

Applicant claims ownership of Registration No. 62,460.
FOR CEREAL BREAKFAST FOOD.
Claims use since Mar. 1, 1895.

Ser. No. 552,700. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 22, 1948.

CHOWDER

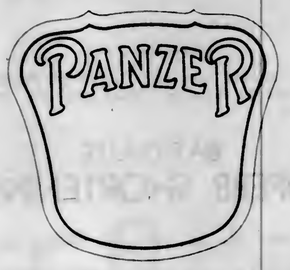
Applicant claims ownership of Registrations Nos. 90,857, 111,105, 102,843, and 376,424.
FOR CHICKEN FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE SOYBEAN OIL MEAL, CORN GLUTEN MEAL AND WHEAT GRAY MIDDLINGS.
Claims use since Feb. 17, 1910.

Ser. No. 552,708. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 22, 1948.

OMOLENE

Applicant claims ownership of Registration No. 110,606.
FOR FEED FOR LIVESTOCK, THE PRINCIPAL INGREDIENTS OF WHICH ARE CORN, OATS AND BLACK STRAP MOLASSES.
Claims use since June 1914.

Ser. No. 555,690. PANZER PACKING CO., INC., Baltimore, Md. Filed Apr. 27, 1948. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 406,737, 406,736, 416,057, and 183,753.
FOR PICKLES, MAYONNAISE, SWEET PEPPER AND SWEET PICKLE RELISHES.
Claims use since April 1928.

Ser. No. 557,701. THE TILGHMAN PACKING COMPANY, Tilghman, Md. Filed May 24, 1948.

OLD SALT

FOR CANNED FRESH OYSTERS, AND CANNED COOKED SHAD FILLETS, SHAD ROE AND HERRING ROE.
Claims use since 1935.

Ser. No. 559,049. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.

FUL-O-PEP

Applicant claims ownership of Registrations Nos. 390,109, 188,553, 396,301, and 274,364.
FOR POULTRY AND STOCK FEEDS, THE PRINCIPAL INGREDIENTS OF WHICH ARE OAT MEAL, CORN MEAL, HOMINY MEAL, WHEAT MEAL, ALFALFA MEAL, SOY BEAN MEAL, MIDDLINGS, AND MEAT SCRAPS.
Claims use since November 1917, on poultry feed; and since Aug. 13, 1941, on stock feed.

Ser. No. 559,879. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed June 22, 1948.

PEPTYNE

FOR CHEWING GUM.
Claims use since Sept. 28, 1928.

Ser. No. 563,507. HAROLD VILCHES & CO., doing business as H. Vilches, Tampa, Fla. Filed Aug. 16, 1948.

LA COCINERA

The mark "La Cocinera" is Spanish for a female cook.
FOR SPICING HAVING INCIDENTAL FOOD COLORING PROPERTIES.
Claims use since 1939.

Ser. No. 564,139. MCVITIE AND PRICE LIMITED, Edinburgh, Scotland. Filed Aug. 25, 1948.



Applicant claims ownership of British Registration No. 263,838, dated May 28, 1904, and U. S. Reg. No. 25,592.
FOR CAKES, BISCUITS, BREAD, SHORTBREADS, OATCAKES, WAFERS.

Ser. No. 564,857. BRADLEY CANDY MFG. CO., Nashville, Tenn. Filed Sept. 9, 1948.

MUD BALLS

The word "Balls" is disclaimed.
FOR CANDY.
Claims use since Apr. 1, 1935.

Ser. No. 570,247. H. F. BYRD, INC., Winchester, Va. Filed Dec. 9, 1948. (Sec. 2f.)



The drawing is lined for shading purposes. The representation of the apple is disclaimed. Applicant claims ownership of Registration No. 254,636.
FOR APPLE SAUCE, APPLE BUTTER, APPLE JELLY.
Claims use since Sept. 1, 1928.

Ser. No. 570,501. KNOEBEL MERCANTILE COMPANY, Denver, Colo. Filed Dec. 14, 1948.

K·M·C

FOR CANNED FRUITS AND CANNED VEGETABLES, CANNED FRUIT JUICES, CANNED FRUIT COCKTAIL, CANNED VEGETABLE JUICES, CANNED FISH, ALMOND PASTE, CANNED TOMATO SAUCE, HOMINY, CANNED SAUERKRAUT, CANNED TOMATO PASTE, TOMATO CATSUP, SEEDS FOR TOPPING & FLAVORING FOODS, TEA, VINEGAR, MAYONNAISE DRESSING, COFFEE, SAUCES FOR FLAVORING AND SEASONING MEATS AND GRAVIES, AND TO BE USED FOR TABLE SAUCES AND CONDIMENTS, PREPARED MUSTARD, DESSERT POWDERS, DRIED FRUITS, RAISINS, FLAVORING EXTRACTS FOR FOODS, WHEAT FLOUR, POWDERED MILK, NUT TOPPING, NUT MEATS, CORN OIL, COTTONSEED OIL, OLIVE OIL, AND COCOANUT OIL FOR FOOD PURPOSES, GLACÉ FRUITS, HONEY, ICING BASE, JAMS, JELLIES, MERINGUE POWDER, MINCE MEAT, OLIVES, PICKLES, RICE, SALAD DRESSING, SPICES, TABLE SYRUPS.
Claims use since Oct. 18, 1948.

Ser. No. 571,523. WM. EVERITT, doing business as Everitt & Company, Seattle, Wash. Filed Jan. 3, 1949.

SILVER BAY

FOR CANNED SALMON.
Claims use since June 2, 1941.

Ser. No. 572,337. MORRIS SIEGEL, Wilkes-Barre, Pa. Filed Jan. 17, 1949.

WHITEHALL

FOR CANNED VEGETABLES AND COFFEE.
Claims use since Dec. 15, 1948.

Ser. No. 572,809. FALLS CANNING CO., Oconto Falls, Wis. Filed Jan. 15, 1949.

Homing

FOR CANNED VEGETABLES.
Claims use since June 1, 1911.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 550,256. PRECISION ELECTROTYPE COMPANY, San Francisco, Calif. Filed Feb. 20, 1948.

PEC

FOR STEREOTYPES AND ELECTROTYPES.
Claims use since Oct. 4, 1929.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 486,682. JUNIOR GUILD FROCKS, INC., Chicago, Ill. Original filed, act of 1905, Aug. 3, 1945; amended to application under act of 1946, Principal Register, May 12, 1949.

Junior Guild ORIGINAL

The word "Original" is disclaimed.
FOR COLOGNE AND LIPSTICK.
Claims use since June 14, 1945.

Ser. No. 530,220. LUCIEN LELONG, INC., Chicago, Ill. Filed Aug. 1, 1947.

LUCIEN LELONG

Lucien Lelong is the name of a living individual who participated in the original organization to which applicant succeeded, consent given. Applicant claims ownership of Registrations Nos. 419,896 and 233,371.
FOR PERFUMES, COLOGNES, TOILET WATERS, POWDERS, LIPSTICKS, ROUGES, AND MAKE-UP PREPARATIONS.
Claims use since December 1928.

Ser. No. 560,805. DOROTHY GIBSON PERFUMES CORP., New York, N. Y. Filed July 7, 1948.

I REMEMBER MAMA

FOR PERFUMES.
Claims use since June 1, 1948.

Ser. No. 561,290. CAMPANA SALES COMPANY, doing business as Old South Perfumers, Batavia, Ill. Filed July 14, 1948.

Star Fire

FOR COLOGNES, PERFUMES, PERFUMED BODY DUSTING POWDERS, TALCUM POWDERS, BATH SALTS, AND PERFUMED SACHET IN POWDER FORM.
Claims use since Jan. 13, 1948.

Ser. No. 570,695. JOSEPH COWAN, New York, N. Y. Filed Dec. 17, 1948.

CADILLAC

FOR PERFUMES, SKIN LOTION, COLOGNES, AND TOILET WATERS.
Claims use since Dec. 1, 1948.

Ser. No. 571,112. J. ANTONIO PRADO BRAVO, doing business as Geraldine Craux, New York, N. Y., and Habana, Cuba. Filed Dec. 27, 1948.

Geraldine Craux

The name Geraldine Craux is fictitious.
FOR DUSTING POWDERS, FACE POWDERS, AND LIPSTICKS.
Claims use since Sept. 27, 1946.

Ser. No. 571,249. AVON PRODUCTS, INC., New York, N. Y. Filed Dec. 29, 1948.

BURNT SUGAR

FOR LIPSTICK, ROUGE, AND NAIL POLISH.
Claims use since Dec. 14, 1948.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 563,847. LOUIS J. FELDMAN, doing business as Allied Pharmetics Co., Plainfield, N. J. Filed Aug. 23, 1948.

Faime

FOR HAIR SHAMPOO.
Claims use since Apr. 15, 1946.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 564,826. PRODUCT TECHNICIANS, INC., Rochester, N. Y. Filed Sept. 8, 1948.



FOR CONSULTING MECHANICAL AND INDUSTRIAL ENGINEERING SERVICES.
Claims use since Feb. 5, 1947.

Ser. No. 565,683. WILLIAM M. BARRET, INC., Shreveport, La. Filed Sept. 23, 1948.



FOR ELECTRICAL SURVEYS FOR THE LOCATION OF OIL FIELDS AND IN THE PERFORMANCE OF ELECTRICAL SURVEYS IN THE SEVERAL STATES OF THE UNITED STATES.
Claims use since Sept. 8, 1948.

Ser. No. 578,225. SCHLUMBERGER WELL SURVEYING CORPORATION, Houston, Tex. Filed May 4, 1949.

MICROLOGGING

FOR OIL WELL SERVICES—NAMELY, ELECTRICALLY MEASURING THE CHARACTERISTICS OF SUB-SURFACE STRATA SURROUNDING BORE HOLES.
Claims use since Apr. 1, 1949.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 543,832. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Dec. 9, 1947. (Sec. 2f.)

PACKARD

Applicant claims ownership of Registrations Nos. 47,621 and 389,399.
FOR SERVICE, MAINTENANCE AND REPAIR OF AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF AND ACCESSORIES THEREFOR AND FOR THE INSTALLATION OF REPAIR PARTS FOR SAID AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF AND ACCESSORIES THEREFOR.
Claims use since 1928.

Ser. No. 567,021. GUARANTEED SANITATION, INC., doing business as Guarantee Exterminating Company, New York, N. Y. Filed Oct. 15, 1948.



FOR INSECT-RODENT AND TERMITE CONTROL SERVICE AS BY CHEMICALS, GASES AND TRAPS.
Claims use since Aug. 1, 1913.

CLASS 104

COMMUNICATION

Ser. No. 554,215. ALLEN B. DUMONT LABORATORIES, INC., Passaic, N. J., and elsewhere. Filed Apr. 9, 1948.

Champagne and Orchids

FOR RADIO AND TELEVISION PROGRAM BROADCASTING SERVICE.
Claims use since Dec. 18, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,709. PIECE GOODS OF COTTON, RAYON, AND/OR SILK, OR COMBINATIONS THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed June 6, 1944, Serial No. 470,939. Published Aug. 24, 1948. Class 42.

443,710. WINDOW CURTAINS. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed June 28, 1946, Serial No. 504,767. Published Feb. 10, 1948. Class 42.

443,711. FRESH TOMATOES. POST PRODUCE COMPANY, Edinburg, Tex.
Filed June 28, 1946, Serial No. 504,787. Published Dec. 23, 1947. Class 46.

443,712. SUNBURN LOTION. LABORATOIRES DU DR. N. G. PAYOT, Paris, France.
Filed July 24, 1946, Serial No. 506,175. Published Oct. 25, 1949. Class 51.

443,713. WOOLEN GOODS IN THE PIECE AND BY THE YARD. HARRY D. COOPER & CO., INC., Boston, Mass.
Filed Oct. 22, 1946, Serial No. 511,266. Published Oct. 4, 1949. Class 42.

443,714. CHEMICAL COMPOSITIONS PRIMARILY COMPOSED OF SYNTHETIC RUBBER, ETC. GATES ENGINEERING COMPANY, New Castle, Del.
Filed Jan. 2, 1947, Serial No. 515,169. Published Aug. 10, 1948. Class 16.

443,715. POSITIVE DISPLACEMENT METERS AND POSITIVE DISPLACEMENT METERING SYSTEMS FOR PETROLEUM PRODUCTS AND OTHER LIQUIDS. BOWSER, INC., Fort Wayne, Ind.
Filed Jan. 3, 1947, Serial No. 515,219. Published Sept. 20, 1949. Class 26.

443,716. PAPER AND PAPER BOARD—NAMELY, PAPERS ADAPTED FOR PRINTING, BOTH UNCOATED AND COATED, ETC. THE MEAD CORPORATION, Dayton, Ohio.
Filed Mar. 12, 1947, Serial No. 518,902. Published Sept. 20, 1949. Class 37.

443,717. BICYCLES AND STRUCTURAL PARTS THEREOF. THE RALEIGH CYCLE COMPANY LIMITED, Nottingham, England.
Filed Mar. 18, 1947, Serial No. 519,219. Published Oct. 11, 1949. Class 19.

443,718. PETROLEUM JELLY, PERFUMED PETROLEUM JELLY, MEDICATED PETROLEUM JELLIES, HAIR TONIC, HAIR DRESSING, POMADE, SHAMPOO, LIP STICKS, LIP POMADE, CAMPHOR ICE, COLD CREAM, AND BABY POWDER. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y.
Filed Mar. 27, 1947, Serial No. 519,626. Published Feb. 24, 1948. Class 51.

443,719. PETROLEUM JELLY, PERFUMED PETROLEUM JELLY, MEDICATED PETROLEUM JELLIES, HAIR TONIC, HAIR DRESSING, POMADE, SHAMPOO, LIP STICKS, LIP POMADE, CAMPHOR ICE, COLD CREAM, AND BABY POWDER. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y.
Filed Mar. 27, 1947, Serial No. 519,627. Published Feb. 24, 1948. Class 51.

443,720. ARCHITECTURAL MODELS OF BUILDINGS FOR THE PURPOSE OF MAKING MINIATURE LAYOUTS OF REAL ESTATE DEVELOPMENTS AND THE LIKE. WILLIAM SAXTON DAVIS, Havertown, Pa.
Filed Mar. 28, 1947, Serial No. 519,736. Published Sept. 20, 1949. Class 26.

443,721. PRECISION AND SCIENTIFICALLY MADE MODELS FOR COMPARISON AND STUDY FOR TECHNICAL USE. CORNELL RESEARCH FOUNDATION, INC., Buffalo, N. Y., assignor to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y., a corporation of New York.
Filed Apr. 4, 1947, Serial No. 520,148. Published Sept. 27, 1949. Class 26.

443,722. ELECTRONIC FLASHLIGHT BULB ACTUATING APPARATUS FOR ACTUATING A SERIES OF SLAVE FLASH LAMPS IN SYNCHRONISM WITH THE SHUTTER OF A CAMERA AND A MASTER FLASH LAMP. HEILAND RESEARCH CORPORATION, Denver, Colo.
Filed Apr. 19, 1947, Serial No. 521,012. Published Sept. 13, 1949. Class 26.

443,723. VEHICLES—NAMELY, MOTOR CARS, MOTOR CYCLES, BICYCLES, AND STRUCTURAL PARTS THEREOF. "AFIR" AKTIENGESELLSCHAFT ZUR FÖRDERUNG VON HANDEL & INDUSTRIE, Winterthur, Canton of Zurich, Switzerland, assignor to Motom G. m. b. H., Zurich, Switzerland, a corporation of Switzerland.
Filed May 2, 1947, Serial No. 521,712. Published Oct. 18, 1949. Class 19.

443,724. CARD INDEX FILES, CARD HOLDERS, AND CARD BOXES MADE OF CARD BOARD AND FIBRE BOARD, AND LOOSE LEAF BLANK BOOKS AND FILING INDEXES. MARIUS DEN OUTER, Rotterdam, Netherlands.
Filed June 18, 1947, Serial No. 524,412. Published Oct. 11, 1949. Class 37.

443,725. LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,110. Published Oct. 4, 1949. Class 37.

ACT OF 1920

These registrations are not subject to opposition.

443,726. (CLASS 39. CLOTHING.) BRIGGS, INC., New York, N. Y. Filed Oct. 30, 1945, Serial No. 490,736.

Briggs

FOR MEN'S HATS, OUTER SHIRTS, NECKTIES, MUFFLERS, COATS, VESTS, TROUSERS, AND OVERCOATS, SLACKS, SHIRTS, DRAWERS, COLLARS, SUSPENDERS, APPAREL BELTS, SHOES, SLIPPERS, BATH ROBES, PAJAMAS, AND LOUNGE JACKETS.
Claims use since 1923.

443,727. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) TROY BLANKET MILLS, Troy, N. H. Filed Nov. 29, 1946, Serial No. 513,480.

So Nice To Have Around You!

FOR AUTOMOBILE ROBES AND BLANKETS.
Claims use since Oct. 23, 1946.

ACT OF 1946, PRINCIPAL REGISTER

520,339. TREATED PIECE GOODS RESISTANT TO IGNITION, MADE OF COTTON, WOOL, SILK, OR CELLULOSE DERIVATIVES. JOSEPH BANCROFT & SONS CO., Wilmington, Del.
Original filed, act of 1905, June 10, 1944; amended to application under act of 1946, Principal Register, July 8, 1949, Serial No. 471,112. Published Oct. 18, 1949. Class 42.

520,340. CAMERA ATTACHMENTS AND ACCESSORIES—NAMELY, RANGE FINDERS, PARTICULARLY RANGE FINDERS OF THE LIGHT BEAM PROJECTING TYPE; ETC. THE KALART COMPANY INC., Stamford, Conn.
Original filed, act of 1905, Apr. 19, 1945; amended to application under act of 1946, Principal Register, May 28, 1948, Serial No. 482,327. Published Sept. 20, 1949. Class 26.

520,341. CHEESE. PURITY CHEESE COMPANY, Mayville, Wis.
Original filed, act of 1905, Mar. 30, 1946; amended to application under act of 1946, Principal Register, Dec. 19, 1947, Serial No. 499,350. Published Oct. 18, 1949. Class 46.

520,342. TABLE SYRUP, FRUIT PRESERVES. PACIFIC FOOD PRODUCTS CO., Seattle, Wash.
Original filed, act of 1905, Jan. 2, 1947; amended to application under act of 1946, Principal Register, Mar. 10, 1948, Serial No. 515,195. Published July 13, 1948. Class 46.

520,343. SNAP FASTENERS, SNAP FASTENER TAPE, HOOKS AND EYES, HOOK AND EYE TAPE, BACHELOR BUTTONS OF THE SNAP FASTENER TYPE, CUFF BUTTONS, SAFETY PINS, AND SHOE BUCKLES (OF NON-PRECIOUS MATERIAL). WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Original filed, act of 1905, Jan. 17, 1947; amended to application under act of 1946, Principal Register, Oct. 10, 1947, Serial No. 515,922. Published Oct. 4, 1949. Class 40.

520,344. ELECTRICAL CONNECTORS. H. B. SHERMAN MANUFACTURING COMPANY, Battle Creek, Mich.
Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Principal Register, July 2, 1948, Serial No. 517,011. Published Oct. 25, 1949. Class 21.

520,345. MALTED MILK IN POWDER FORM, NATURAL AND CHOCOLATE FLAVORS. HORLICKS CORPORATION, Racine, Wis.
Original filed, act of 1905, Mar. 28, 1947; amended to application under act of 1946, Principal Register, May 20, 1948, Serial No. 519,753. Published Oct. 18, 1949. Class 46.

520,346. ELECTRIC TEST APPARATUS—NAMELY, OSCILLOSCOPES, ELECTRIC SIGNAL GENERATORS, ELECTRIC SIGNAL TRACERS, ELECTRIC WAVE GENERATORS, ELECTRIC SWEEP GENERATORS, ELECTRIC TIMERS, ELECTRIC CONDENSER CHECKERS, AND VACUUM TUBE VOLTMETERS. THE HEATH COMPANY, Benton Harbor, Mich.
Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Principal Register, July 11, 1947, Serial No. 520,947. Published Sept. 20, 1949. Class 26.

520,347. MOTION PICTURE PROJECTORS AND FOR RELATED PHOTO-ELECTRIC CELLS, AMPLIFIERS AND LOUDSPEAKERS USED IN CONNECTION WITH THE PRODUCTION AND PROJECTION OF SOUND. EMPIRE PROJECTOR CORP., New York, N. Y.
Original filed, act of 1905, June 5, 1947; amended to application under act of 1946, Principal Register, Oct. 10, 1947, Serial No. 523,573. Published Sept. 20, 1949. Class 26.

520,348. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,447. Published Oct. 11, 1949. Class 17.

520,349. COIN-CONTROLLED VENDING MACHINES FOR DISPENSING SOFT DRINKS IN LIQUID AND BOTTLED FORM. DR. PEPPER COMPANY, Dallas, Tex.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Sept. 17, 1948, Serial No. 526,279. Published Nov. 1, 1949. Class 23.

520,350. THERMOSTATIC REGULATING AND CONTROLLING SWITCHES. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed July 5, 1947, Serial No. 527,813. Published Sept. 13, 1949. Class 26.

520,351. TEXTILE SHEETING FOR INFANTS' CRIBS. INFANT ITEMS, INCORPORATED, Fremont, Ohio.
Filed July 18, 1947, Serial No. 528,866. Published Oct. 25, 1949. Class 42.

520,352. WASTE FOOD DISPOSERS—NAMELY, ELECTRIC GARBAGE GRINDERS FOR ATTACHMENT TO KITCHEN SINKS. EUREKA WILLIAMS CORPORATION, Bloomington, Ill.
Filed July 26, 1947, Serial No. 529,616. Published Feb. 22, 1949. Class 21.

520,353. CIGARS, CIGARETTES, AND CHEROOTS. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947, Serial No. 529,776. Published July 27, 1948. Class 17.

520,354. PORTABLE ELECTRIC GRINDERS, PORTABLE ELECTRIC REAMERS, ETC. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md.
Filed Aug. 5, 1947, Serial No. 530,460. Published Nov. 1, 1949. Class 21.

520,355. CIGARS, CIGARETTES, AND SMOKING TOBACCO. BENSON & HEDGES, New York, N. Y.
Filed Aug. 8, 1947, Serial No. 530,800. Published Mar. 8, 1949. Class 17.

520,356. FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT. AMERICAN FRUIT GROWERS, INC., Pittsburgh, Pa.
Filed Aug. 15, 1947, Serial No. 531,418. Published Jan. 4, 1949. Class 46.

520,357. TOWELS, WASH CLOTHS, BLANKETS, AND BATH MATS. KANNAPOLIS MANUFACTURING COMPANY, INC., Kannapolis, N. C.
Filed Aug. 22, 1947, Serial No. 532,137. Published Oct. 25, 1949. Class 42.

520,358. PHOTOGRAPHIC EQUIPMENT—NAMELY, PHOTO ENLARGERS, ETC. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y.
Filed Sept. 3, 1947, Serial No. 533,153. Published Apr. 12, 1949. Class 26.

520,359. CLOTH (MADE OF NYLON, SILK, RAYON, COTTON, LINEN, METAL, AND OTHER TYPES OF FIBERS), FOR SALE BY THE BOLT, YARD, AND PIECE FOR USE BY SIGN WRITERS, ETC. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio.
Filed Aug. 29, 1947, Serial No. 533,511. Published May 24, 1949. Class 42.

520,360. CANNED VEGETABLES, CANNED TOMATO JUICE, AND TOMATO CATSUP. THE HOUGHLAND PACKING CO., INC., Franklin, Ind.
Filed Sept. 9, 1947, Serial No. 533,896. Published Oct. 18, 1949. Class 46.

520,361. WOOD-ENCASED PENCILS OF ALL KINDS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed Sept. 11, 1947, Serial No. 534,119. Published Oct. 25, 1949. Class 37.

520,362. LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL—NAMELY, SENSITIZED PHOTOGRAPHIC FILM AND PAPER. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed Sept. 13, 1947, Serial No. 534,432. Published Aug. 16, 1949. Class 26.

520,363. HOUSE PAINT FOR OUTSIDE USE ON WOOD OR METAL, IN LIQUID FORM. DOZIER & GAY PAINT COMPANY, Jacksonville, Fla.
Filed Sept. 15, 1947, Serial No. 534,518. Published Dec. 14, 1948. Class 16.

520,364. MEN'S SHIRTS INCLUDING NEGLIGEE, SPORT, WORK, AND UNDERSHIRTS, SUITS, SOCKS, AND HATS. WEBER AND HEILBRONER, INC., New York, N. Y.
Filed Sept. 17, 1947, Serial No. 534,845. Published Oct. 4, 1949. Class 39.

520,365. FRESH MILK, FRESH CREAM, FRESH EGGS, BUTTER, AND CHEESE. BEATRICE FOODS CO., Chicago, Ill.
Filed Sept. 26, 1947, Serial No. 535,788. Published Oct. 18, 1949. Class 46.

520,366. MECHANICAL PENCILS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed Oct. 18, 1947, Serial No. 538,260. Published Oct. 11, 1949. Class 37.

520,367. PLAIN TRANSPARENT CELLOPHANE, MOISTURE PROOF CELLOPHANE, AND WRINKLED MOISTURE PROOF CELLOPHANE. DUSSI-WALLACE AND COMPANY, New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,800. Published Oct. 25, 1949. Class 37.

520,368. PIECE GOODS OF WOOL, COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, BEDSPREADS, DRAPERIES, AND TABLECLOTHS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Nov. 14, 1947, Serial No. 541,077. Published Jan. 18, 1949. Class 42.

520,369. PIECE GOODS OF WOOL, COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, BEDSPREADS, DRAPERIES, AND TABLECLOTHS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Nov. 14, 1947, Serial No. 541,081. Published Jan. 18, 1949. Class 42.

520,370. CIGARS. GRADIAZ, ANNIS & CO., INC., Tampa, Fla.
Filed Nov. 24, 1947, Serial No. 542,120. Published Oct. 11, 1949. Class 17.

520,371. GUMMED BLANK OR PARTIALLY PRINTED LABELS, GUMMED PAPER, AND GUMMED TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 542,400. Published Oct. 11, 1949. Class 37.

520,372. WRITING AND PRINTING PAPER. HURLBUT PAPER COMPANY, South Lee, Mass.
Filed Oct. 2, 1947, Serial No. 543,355. Published Oct. 18, 1949. Class 37.

520,373. BOXBOARD, PAPERBOARD, AND CARDBOARD. ROBERT GAIR COMPANY, INC., New York, N. Y.
Filed Dec. 20, 1947, Serial No. 544,992. Published Sept. 20, 1949. Class 37.

520,374. FRESH CITRUS FRUITS. MOUNTAIN VIEW FRUIT ASSOCIATION, Upland, Calif.
Filed Dec. 27, 1947, Serial No. 545,592. Published Oct. 4, 1949. Class 46.

520,375. DRUG INTENDED TO INCREASE MUSCULAR RELAXATION, PARTICULARLY IN ANESTHESIA, AND INTENDED FOR SYMPTOMATIC TREATMENT OF CERTAIN SPASTIC AND CONVULSIVE CONDITIONS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed Jan. 2, 1948, Serial No. 545,929. Published Oct. 18, 1949. Class 18.

520,376. WIPING CLOTHS. ALBERT VANN ZALIS, Baltimore, Md.
Filed Jan. 5, 1948, Serial No. 546,258. Published Oct. 25, 1949. Class 42.

520,377. WALLETS FOR INSURANCE POLICIES. HOWARD R. TOWNSEND, New Canaan, Conn.
Filed Jan. 13, 1948, Serial No. 546,887. Published Sept. 27, 1949. Class 3.

520,378. ELECTRIC ARC WELDERS AND PARTS THEREOF, AND ELECTRODE HOLDERS. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Jan. 30, 1948, Serial No. 548,398. Published Nov. 1, 1949. Class 21.

520,379. ELECTRICAL SWITCH AND FUSE CONTROL PANELS AND BOXES. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich.
Filed Feb. 6, 1948, Serial No. 548,923. Published Nov. 1, 1949. Class 21.

520,380. RADIATOR FLUSHING COMPOUND. MOTO-SWAY CORPORATION OF AMERICA, South Pasadena, Calif.
Filed Feb. 6, 1948, Serial No. 548,985. Published Oct. 4, 1949. Class 52.

520,381. PAPER NAPKINS. CROWN ZELLERBACH CORPORATION, doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed Feb. 9, 1948, Serial No. 549,124. Published Oct. 4, 1949. Class 37.

520,382. MEDICINE DROPPER BOTTLES SO DESIGNED TO MEASURE THE CONTENTS IN POURING, ETC. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed Feb. 10, 1948, Serial No. 549,220. Published Oct. 18, 1949. Class 44.

520,383. MILK SUGAR RESIDUE FOR USE AS AN ANIMAL AND POULTRY FEED COMPONENT. BELLE CENTER CREAMERY AND CHEESE COMPANY, Belle Center, Ohio.
Filed Feb. 12, 1948, Serial No. 549,493. Published Oct. 11, 1949. Class 46.

520,384. AUTOMOBILE MUFFLER SUPPORTS, AND EXHAUST DEFLECTORS. DOAN MANUFACTURING CORP., East Cleveland, Ohio.
Filed Feb. 12, 1948, Serial No. 549,521. Published Oct. 25, 1949. Class 23.

520,385. ELECTRICAL APPARATUS—NAMELY, RECEPTACLES. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Feb. 16, 1948, Serial No. 549,820. Published Oct. 25, 1949. Class 21.

520,386. CREAM POWDER BASE. BEAUTYMASTERS OF BEVERLY HILLS, INC., Milwaukee, Wis.
Filed Feb. 21, 1948, Serial No. 550,297. Published Oct. 25, 1949. Class 51.

520,387. SNUFF. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,867. Published Oct. 25, 1949. Class 17.

520,388. SMOKING TOBACCO. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,872. Published Oct. 25, 1949. Class 17.

520,389. CHEWING TOBACCO. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,875. Published Oct. 25, 1949. Class 17.

520,390. SNUFF. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,878. Published Oct. 25, 1949. Class 17.

520,391. INCANDESCENT LAMPS. RADIANT LAMP CORPORATION, Newark, N. J.
Filed Mar. 1, 1948, Serial No. 550,948. Published May 24, 1949. Class 21.

520,392. BUST PADS. MAURICE LUBASH, doing business as Ru-Ell Novelties, New York, N. Y.
Filed Mar. 6, 1948, Serial No. 551,394. Published Oct. 11, 1949. Class 40.

520,393. LAWNMOWERS. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 10, 1948, Serial No. 551,613. Published Oct. 11, 1949. Class 23.

520,394. CANNED VEGETABLES. CHAS. T. WRIGHTSON & SON, INC., Easton, Md.
Filed Mar. 17, 1948, Serial No. 552,198. Published Oct. 11, 1949. Class 46.

520,395. WRITING AND PRINTING PAPER. BROOKS BANK NOTE COMPANY, Springfield, Mass.
Filed Dec. 13, 1947, Serial No. 552,336. Published Oct. 11, 1949. Class 37.

520,396. LIVE STOCK AND POULTRY FEED SUPPLEMENT CONTAINING PROTEIN, CARBOHYDRATES, MINERALS, VITAMINS, AND CHLOROPHYLL. CEROPHYL LABORATORIES, INC., Kansas City, Mo.
Filed Mar. 20, 1948, Serial No. 552,569. Published Oct. 11, 1949. Class 46.

520,397. CANDIES. WALLACE & CO., Brooklyn, N. Y.
Filed Mar. 20, 1948, Serial No. 552,622. Published Oct. 11, 1949. Class 46.

520,398. PIECE GOODS OF COTTON, SILK, WOOL, AND SYNTHETIC FIBERS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Mar. 31, 1948, Serial No. 553,450. Published Apr. 19, 1949. Class 42.

520,399. STORAGE BATTERY CHARGERS. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed Apr. 1, 1948, Serial No. 553,659. Published Oct. 25, 1949. Class 21.

520,400. EDIBLE OILS—NAMELY, OLIVE OIL; PEANUT OIL; AND A BLEND OF CORN OIL, COTTONSEED OIL, AND OLIVE OIL; AND COFFEE. LUCATELLI PACKING COMPANY, West New York, N. J.
Filed Apr. 2, 1948, Serial No. 553,727. Published Oct. 11, 1949. Class 46.

520,401. ELASTIC BRAIDS, NARROW ELASTIC WEBS, NON-ELASTIC NARROW FABRICS. CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass.
Filed Apr. 5, 1948, Serial No. 553,819. Published Oct. 4, 1949. Class 40.

520,402. SMOKING TOBACCO AND CIGARETTES. ST. JAMES'S TOBACCO COMPANY LIMITED, London, England.
Filed Apr. 6, 1948, Serial No. 553,988. Published Oct. 4, 1949. Class 17.

520,403. FRESH CITRUS FRUITS. WAVERLY GROWERS COOPERATIVE, Waverly, Fla.
Filed Apr. 8, 1948, Serial No. 554,181. Published Oct. 11, 1949. Class 46.

520,404. BILLFOLDS, WALLETS, EMPTY COSMETIC KITS. I. SMALLMAN & SONS, Paterson, N. J., and New York, N. Y.
Filed Apr. 16, 1948, Serial No. 554,820. Published Oct. 11, 1949. Class 3.

520,405. LEATHER AND IMITATION LEATHER CASES SOLD EMPTY, ETC. DABS CREATIONS, INC., Chicago, Ill.
Filed Apr. 22, 1948, Serial No. 555,251. Published Oct. 25, 1949. Class 3.

520,406. FRESH EGGS. FARMINGDALE N. J. COOPERATIVE EGG PRODUCERS ASS'N. INC., Lakewood, N. J.
Filed Apr. 23, 1948, Serial No. 555,400. Published Oct. 18, 1949. Class 46.

520,407. MAYONNAISE, SANDWICH SPREAD, SALAD DRESSING, FRENCH DRESSING, POTATO SALAD, AND MACARONI SALAD. OTTO SEIDNER, INC., Westerly, R. I.
Filed Apr. 27, 1948, Serial No. 555,704. Published Oct. 11, 1949. Class 46.

520,408. FRESH CITRUS FRUITS. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif.
Filed May 3, 1948, Serial No. 556,089. Published Oct. 11, 1949. Class 46.

520,409. PROCESS CHEESE FOOD. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed May 13, 1948, Serial No. 556,994. Published Oct. 18, 1949. Class 46.

520,410. DOUGH IMPROVER IN POWDERED FORM CONSISTING OF MINERAL SALTS AND A CEREAL FILLER. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed May 13, 1948, Serial No. 556,995. Published Oct. 11, 1949. Class 46.

520,411. HANDBAGS. AETNA LEATHER NOVELTY CO., Union City, N. J.
Filed May 18, 1948, Serial No. 557,235. Published Oct. 25, 1949. Class 3.

520,412. OLEOMARGARINE, SWEET CREAM, CONDENSED SKIM MILK, AND VEGETABLE OIL SHORTENING. MRS. TUCKER'S FOODS, INC., Sherman, Tex.
Filed May 19, 1948, Serial No. 557,400. Published Oct. 11, 1949. Class 46.

520,413. PIECE GOODS OF SILK, COTTON, SYNTHETIC FIBRES, AND MIXTURES THEREOF. OBERMAN & COMPANY, New York, N. Y.
Filed May 20, 1948, Serial No. 557,462. Published Oct. 4, 1949. Class 42.

520,414. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed May 21, 1948, Serial No. 557,534. Published Oct. 11, 1949. Class 46.

520,415. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed May 21, 1948, Serial No. 557,535. Published Oct. 11, 1949. Class 46.

520,416. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed May 21, 1948, Serial No. 557,536. Published Oct. 11, 1949. Class 46.

520,417. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed May 21, 1948, Serial No. 557,537. Published Oct. 11, 1949. Class 46.

520,418. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed May 21, 1948, Serial No. 557,538. Published Oct. 11, 1949. Class 46.

520,419. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed May 21, 1948, Serial No. 557,539. Published Oct. 11, 1949. Class 46.

520,420. SMOKING AND CHEWING TOBACCO. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed May 22, 1948, Serial No. 557,588. Published Oct. 11, 1949. Class 17.

520,421. NON-SAPONACEOUS DISINFECTANT AND DEODORANT PREPARATION FOR TREATING DIAPERS. ROCKWELL LABORATORIES, INCORPORATED, Kansas City, Mo.
Filed May 24, 1948, Serial No. 557,692. Published Oct. 25, 1949. Class 6.

520,422. SPOONS, FORKS, KNIVES, BUTTER SPREADERS, BEVERAGE STIRRERS, SUGAR CRUSHERS, AND ICE TONGS, ALL COMPOSED OF PLASTIC MATERIAL, OR COMPOSED OF COMBINATIONS OF PLASTIC AND METAL, OR OF NON-PRECIOUS METALS. JOSEPH B. STIER, New York, N. Y.
Filed May 25, 1948, Serial No. 557,784. Published Oct. 18, 1949. Class 23.

520,423. FLUID PRESSURE MOTORS OF THE TYPE COMPRISING A CYLINDRICAL CASING HAVING MOUNTED THEREIN A RECIPROCATING ELEMENT IN THE FORM OF A PISTON OR THE EQUIVALENT FOR ACTUATING A PISTON ROD. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed May 25, 1948, Serial No. 557,805. Published Oct. 11, 1949. Class 23.

520,424. TELEPHONIC INTERCOMMUNICATION APPARATUS. AIRLECTRON CO., Caldwell, N. J.
Filed May 26, 1948, Serial No. 557,815. Published Oct. 25, 1949. Class 21.

520,425. BALL POINT FOUNTAIN PENS. THE CONKLIN PEN COMPANY, INC., Chicago, Ill.
Filed June 2, 1948, Serial No. 558,282. Published Oct. 4, 1949. Class 37.

520,426. TRANSLUCENT TYPING, WRITING, AND PRINTING PAPER. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed June 2, 1948, Serial No. 558,294. Published Oct. 11, 1949. Class 37.

520,427. TRANSLUCENT TYPING, WRITING, AND PRINTING PAPER. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed June 2, 1948, Serial No. 558,295. Published Oct. 11, 1949. Class 37.

520,428. CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed June 4, 1948, Serial No. 558,456. Published Oct. 25, 1949. Class 17.

520,429. BOND PAPER, MANIFOLD PAPER, MIMEOGRAPH PAPER, INDEX PAPER, AND ONIONSKIN PAPER. SAMUEL SCHWARTZ, doing business as Schwartz & Company, Philadelphia, Pa.
Filed June 5, 1948, Serial No. 558,599. Published Oct. 11, 1949. Class 37.

520,430. CORRECTION FLUID FOR CORRECTING ERRORS IN STENCILS; FILING WRAPPERS FOR STENCILS; INTERLEAVING BLOTTERS AND SEPARATORS; AND DUPLICATING STENCILS; ETC. A. B. DICK COMPANY, Chicago, Ill.
Filed June 18, 1948, Serial No. 559,585. Published Sept. 20, 1949. Class 37.

520,431. ICING FOR CAKES AND COOKIES. BASIC FOODS, INC., New York, N. Y.
Filed June 19, 1948, Serial No. 559,672. Published Oct. 11, 1949. Class 46.

520,432. STAPLING MACHINES OF THE HAND-OPERATED TYPE USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND LIGHT GAGE METAL TOGETHER. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed June 19, 1948, Serial No. 559,721. Published Oct. 11, 1949. Class 23.

520,433. FRESH VEGETABLES. AIRWAY FRUIT & VEGETABLE COMPANY, Baltimore, Md., assignor to Airway Fruit & Vegetable Company, Incorporated, Baltimore, Md., a corporation of Maryland.
Filed June 21, 1948, Serial No. 559,825. Published Oct. 4, 1949. Class 46.

520,434. HANDBAGS, PURSES, POCKETBOOKS, ETC. G. D. KLEINBERGER, INC., New York, N. Y., assignor to Tecla Corporation, New York, N. Y., a corporation of New York.
Filed June 22, 1948, Serial No. 559,929. Published Jan. 25, 1949. Class 3.

520,435. CANNED VEGETABLES. THE ILLINOIS CANNING CO., Hoopeston, Ill.
Filed June 25, 1948, Serial No. 560,203. Published Oct. 11, 1949. Class 46.

520,436. CANNED BEANS WITH AND WITHOUT PORK, TOMATO SAUCE, OR OTHER FLAVORING INGREDIENTS. THE ILLINOIS CANNING CO., Hoopeston, Ill.
Filed June 25, 1948, Serial No. 560,204. Published Oct. 11, 1949. Class 46.

520,437. TEXTILE FABRICS MADE OF COTTON, WOOL, SILK, SYNTHETIC FIBERS. MEYER WOOLEN, INC., New York, N. Y.
Filed June 26, 1948, Serial No. 560,280. Published Oct. 11, 1949. Class 42.

520,438. PORK SAUSAGE. ARMOUR AND COMPANY, doing business under the trade style Jacob E. Decker & Sons, Chicago, Ill.
Filed June 30, 1948, Serial No. 560,486. Published Oct. 11, 1949. Class 46.

520,439. ELECTRICAL APPARATUS—VIZ., RECORD CHANGERS AND WIRE SOUND RECORDERS. WEBSTER-CHICAGO CORPORATION, Chicago, Ill.
Filed July 7, 1948, Serial No. 560,850. Published Oct. 4, 1949. Class 21.

520,440. ACCESSORIES FOR BICYCLES AND MOTORCYCLES—NAMELY, BRAKES, HUBS, CHANGE-SPEED GEARS, SADDLE SEATS, LUGGAGE RACKS, HEADLIGHT BRACKETS, REAR LIGHTS, FRAMES FOR BICYCLES OR MOTORCYCLES. MAGNETOS LUCIFER SOCIETE ANONYME, Geneva, Switzerland.
Filed July 14, 1948, Serial No. 561,320. Published Oct. 11, 1949. Class 19.

520,441. AUTOMOTIVE MATERIAL HANDLING APPARATUS PARTICULARLY ADAPTED FOR CONSTRUCTION, INDUSTRIAL, AND AGRICULTURAL USES, AND PARTS THEREOF. MIXERMOBILE MANUFACTURERS, Portland, Oreg.
Filed July 14, 1948, Serial No. 561,326. Published Oct. 18, 1949. Class 23.

520,442. PILLOW TICKS. LEVINSOHN TEXTILE CO., New York, N. Y.
Filed July 20, 1948, Serial No. 561,755. Published Oct. 18, 1949. Class 42.

520,443. BUDGET PLAN CONSISTING OF ENVELOPS, PRINTED BLANK FORMS, AND PRINTED INSTRUCTIONS. ROLLA W. KUHLMAN, Waco, Tex.
Filed July 21, 1948, Serial No. 561,836. Published Sept. 27, 1949. Class 37.

520,444. PRECIPITATED CALCIUM CARBONATE. DIAMOND ALKALI COMPANY, Cleveland, Ohio.
Filed July 22, 1948, Serial No. 561,899. Published Oct. 25, 1949. Class 6.

520,445. FRESH CITRUS FRUITS. LINDSAY CITRUS GROWERS ASSOCIATION, Lindsay, Calif.
Filed July 26, 1948, Serial No. 562,212. Published Oct. 4, 1949. Class 46.

520,446. FRESH CITRUS FRUITS. LINDSAY CITRUS GROWERS ASSOCIATION, Lindsay, Calif.
Filed July 26, 1948, Serial No. 562,213. Published Oct. 4, 1949. Class 46.

520,447. DRESS FASTENERS. COLUMBIA FASTENER COMPANY, Chicago, Ill.
Filed July 30, 1948, Serial No. 562,542. Published Oct. 4, 1949. Class 40.

520,448. CANDY. CANDY ARTISTS, INC., San Francisco, Calif.
Filed Aug. 9, 1948, Serial No. 563,056. Published Oct. 4, 1949. Class 46.

520,449. PAPER WASH CLOTHS. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed Aug. 11, 1948, Serial No. 563,189. Published Oct. 4, 1949. Class 37.

520,450. PAPER VEGETABLE ROW COVERING. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed Aug. 11, 1948, Serial No. 563,192. Published Oct. 4, 1949. Class 37.

520,451. HIGH GLOSS COATED SHELF PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed Aug. 11, 1948, Serial No. 563,193. Published Sept. 27, 1949. Class 37.

520,452. CAMEMBERT CHEESE. KRAFT FOODS COMPANY, Chicago, Ill.
Filed Aug. 11, 1948, Serial No. 563,198. Published Oct. 11, 1949. Class 46.

520,453. FOUNTAIN PENS AND MECHANICAL PENCILS. OAK RIDGE MANUFACTURING COMPANY, Charleston, S. C.
Filed Aug. 13, 1948, Serial No. 563,356. Published Sept. 13, 1949. Class 37.

520,454. PEANUT BUTTER SANDWICHES. LANCH, INC., Charlotte, N. C.
Filed Aug. 14, 1948, Serial No. 563,419. Published Oct. 18, 1949. Class 46.

520,455. BISCUITS. MCVITIE AND PRICE LIMITED, Edinburgh, Scotland.
Filed Aug. 16, 1948, Serial No. 563,481. Published Oct. 11, 1949. Class 46.

520,456. TEXTILE FABRICS COMPOSED OF COTTON. BERKSHIRE FINE SPINNING ASSOCIATES, INC., Adams, Mass., and Providence, R. I.
Filed Aug. 11, 1948, Serial No. 563,582. Published Oct. 4, 1949. Class 42.

520,457. DOMESTIC ELECTRIC COOKERS, ROASTERS, AND RANGES. THE SWARTZBAUGH MANUFACTURING COMPANY, Toledo, Ohio.
Filed Aug. 18, 1948, Serial No. 563,700. Published Oct. 25, 1949. Class 21.

520,458. PRINTING AND CONVERTING PAPERS. FITCHBURG PAPER COMPANY, Fitchburg, Mass.
Filed Aug. 19, 1948, Serial No. 563,733. Published Oct. 4, 1949. Class 37.

520,459. WALL-PAPERS. MANUFACTURE DE PAPIERS PEINTS I. LEROY (SOCIETE ANONYME), Ponthierry Seine-et-Marne, France.
Filed Aug. 23, 1948, Serial No. 563,859. Published Oct. 11, 1949. Class 37.

520,460. COFFEE AND POTATO CHIPS. THE ISALY DAIRY COMPANY, Youngstown, Ohio.
Filed Aug. 24, 1948, Serial No. 563,931. Published Oct. 11, 1949. Class 46.

520,461. CHOCOLATE COVERED ICE CREAM SLICE. THE ISALY DAIRY COMPANY, Youngstown, Ohio.
Filed Aug. 24, 1948, Serial No. 563,934. Published Oct. 18, 1949. Class 46.

520,462. SALT. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky.
Filed Aug. 24, 1948, Serial No. 563,936. Published Oct. 11, 1949. Class 46.

520,463. GROUND SURFACED, NAPPED, FLEXIBLE COTTON PIECE GOODS. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C.
Filed Mar. 31, 1948, Serial No. 563,983. Published Oct. 18, 1949. Class 42.

520,464. YARNS. AMERICAN CONTINENTAL CORPORATION, Paterson, N. J.
Filed June 16, 1948, Serial No. 564,073. Published Oct. 25, 1949. Class 43.

520,465. MANIFOLD BOOKLETS AND BLANK MANIFOLD FORMS INTERLEAVED WITH CARBON. ARKANSAS PRINTING AND LITHOGRAPHING COMPANY, Little Rock, Ark.
Filed Aug. 25, 1948, Serial No. 564,092. Published Oct. 25, 1949. Class 37.

520,466. CHEESE. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed Aug. 25, 1948, Serial No. 564,126. Published Oct. 18, 1949. Class 46.

520,467. WHEAT FLOUR. FLOUR MILLS OF AMERICA, INC., Kansas City, Mo., doing business as Great Bend Milling Company, Great Bend, Kans.
Filed Aug. 28, 1948, Serial No. 564,325. Published Oct. 18, 1949. Class 46.

520,468. SPAGHETTI. MINNESOTA MACARONI COMPANY, St. Paul, Minn.
Filed Aug. 28, 1948, Serial No. 564,340. Published Oct. 18, 1949. Class 46.

520,469. PAPER AND PAPERBOARD CONTAINING SULPHATE PULP IN ROLLS AND SHEETS. GAYLORD CONTAINER CORPORATION, St. Louis, Mo.
Filed Sept. 2, 1948, Serial No. 564,564. Published Oct. 25, 1949. Class 37.

520,470. CANDY. M. J. HOLLOWAY & Co., Chicago, Ill.
Filed Sept. 2, 1948, Serial No. 564,569. Published Oct. 18, 1949. Class 46.

520,471. AUTOMOBILE HEAD LAMPS HAVING MECHANISM ASSOCIATED THEREWITH FOR SHIFTING THE SAME SIMULTANEOUSLY WITH THE STEERING MECHANISM OF THE AUTOMOBILE UPON WHICH THE LAMP IS MOUNTED. PAUL W. HAINKE, doing business as Hainke Sales and Distributing Company, Hutchinson, Kans.
Filed Sept. 20, 1948, Serial No. 565,487. Published Oct. 11, 1949. Class 19.

520,472. ANTI-FREEZE FOR USE IN AUTOMOBILES AND FOR OTHER COOLING SYSTEMS. SPALDING BROTHERS, INC., Ponder, Tex.
Filed Sept. 30, 1948, Serial No. 566,181. Published Oct. 4, 1949. Class 6.

520,473. CHEMICAL DRAIN OPENER. JUDSON DUNAWAY CORPORATION, Dover, N. H.
Filed Oct. 7, 1948, Serial No. 566,618. Published Oct. 4, 1949. Class 52.

520,474. SPRAY TYPE LIQUID INSECTICIDE. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo.
Filed Sept. 30, 1948, Serial No. 566,830. Published Oct. 18, 1949. Class 6.

520,475. SPRAY TYPE LIQUID INSECTICIDE. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo.
Filed Sept. 30, 1948, Serial No. 566,831. Published Oct. 4, 1949. Class 6.

520,476. ETHYL CHLORIDE, PHENYL MERCURIC CHLORIDE AND TANNIC ACID. THE GEBAUER CHEMICAL COMPANY, Cleveland, Ohio.
Filed Oct. 27, 1948, Serial No. 567,692. Published Oct. 4, 1949. Class 6.

520,477. SYNTHETIC YARNS AND THREAD. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, Slough, England.
Filed Nov. 5, 1948, Serial No. 568,257. Published Sept. 27, 1949. Class 43.

520,478. PLASTIC COATED ROPES, STRANDS AND CORDS COMPOUNDED WITH WIRE AND/OR FIBRES. ROCHESTER ROPES, INC., Culpeper, Va.
Filed Nov. 2, 1948, Serial No. 568,902. Published Oct. 4, 1949. Class 7.

520,479. ROUGE, FACE POWDER, PERFUME, TOILET WATER, SACHET IN PERFUMED CONTAINERS, ETC. M. A. D. PRODUCTS, INC., Ramsey, N. J.
Filed Nov. 18, 1948, Serial No. 569,325. Published Oct. 4, 1949. Class 51.

520,480. VETERINARY ANTHELMINTIC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Nov. 24, 1948, Serial No. 569,397. Published Oct. 4, 1949. Class 18.

520,481. MEDICINAL AND INDUSTRIAL CHEMICALS—NAMELY, ACETANILID, ETC. NEW YORK QUININE & CHEMICAL WORKS, INC., Brooklyn, N. Y.
Filed Nov. 26, 1948, Serial No. 569,464. Published Oct. 4, 1949. Class 18.

520,482. COSMETICS—NAMELY, PERFUME, LIPSTICK, ROUGE, FACE POWDER, TOILET WATER, HAND CREAM, FACE CREAM, DEODORANT, HAIR STRAIGHTENER, MASCARA, NAIL POLISH, POMADS AND POLISH REMOVER. EDWINA CRYSTAL, doing business under the name of Princess Products, Newark, N. J.
Filed Nov. 27, 1948, Serial No. 569,508. Published Oct. 25, 1949. Class 51.

520,483. REFINED OILS USED AS COMPASS FLUIDS. STANDARD OIL COMPANY OF CALIFORNIA, San Francisco, Calif., and Wilmington, Del.
Filed Nov. 29, 1948, Serial No. 569,579. Published Oct. 18, 1949. Class 6.

520,484. BAY RUM. WEST INDIES BAY COMPANY, Minneapolis, Minn.
Filed Dec. 1, 1948, Serial No. 569,728. Published Oct. 25, 1949. Class 51.

520,485. PENICILLIN PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Dec. 3, 1948, Serial No. 569,897. Published Oct. 25, 1949. Class 18.

520,486. HAND BAGS, KNITTED BAGS, BILLFOLDS, POCKETBOOKS, ETC. B. ALTMAN & Co., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,152. Published Oct. 11, 1949. Class 8.

520,487. CLOSURES AND FASTENERS MADE FROM NON-PRECIOUS METALS AND FROM PLASTICS FOR WEARING APPAREL, ETC. KOH-I-NOOR, SPOJENE KOVOPRUMYSLOVE ZAVODY, NARODNI PODNIK, also named Koh-I-Noor, United Metalware Factories, National Corporation, Praha, Czechoslovakia.
Filed Dec. 27, 1948, Serial No. 571,146. Published Sept. 27, 1949. Class 40.

520,488. CLOSURES AND FASTENERS MADE FROM NON-PRECIOUS METALS AND FROM PLASTICS FOR WEARING APPAREL, ETC. KOH-I-NOOR, SPOJENE KOVOPRUMYSLOVE ZAVODY, NARODNI PODNIK, also named Koh-I-Noor, United Metalware Factories, National Corporation, Praha, Czechoslovakia.
Filed Dec. 27, 1948, Serial No. 571,147. Published Sept. 27, 1949. Class 40.

520,489. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Jan. 4, 1949, Serial No. 571,603. Published Oct. 4, 1949. Class 42.

520,490. COTTON PIECE GOODS. DAN RIVER MILLS, INCORPORATED, Danville, Va.
Filed Jan. 4, 1949, Serial No. 571,606. Published Oct. 4, 1949. Class 42.

520,491. PIECE GOODS WHOLLY OR SUBSTANTIALLY WHOLLY OF WORSTED. J. H. BINNS AND COMPANY LIMITED, Keighley, England.
Filed Jan. 5, 1949, Serial No. 571,676. Published Oct. 11, 1949. Class 42.

520,492. WOOLEN PIECE GOODS. THE WARREN WOOLEN COMPANY, Stafford Springs, Conn.
Filed Jan. 14, 1949, Serial No. 572,224. Published Oct. 11, 1949. Class 42.

520,493. WOOLEN PIECE GOODS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Jan. 15, 1949, Serial No. 572,240. Published Oct. 11, 1949. Class 42.

520,494. SILK, VELVET, COTTON, RAYON, MOIRE RIBBONS SOLD BY THE YARD, PIECE, AND BOLT, BLANKETS MADE WHOLLY OF COTTON, ETC. J. J. NEWBERRY Co., New York, N. Y.
Filed Jan. 17, 1949, Serial No. 572,318. Published Oct. 4, 1949. Class 42.

520,495. PIECE GOODS OF WOOLEN TWEED. LOUIS SCALL, doing business as Wiltshire Woolen Company, New York, N. Y.
Filed Jan. 18, 1949, Serial No. 572,380. Published Oct. 25, 1949. Class 42.

520,496. TWINE. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed Jan. 26, 1949, Serial No. 572,848. Published Oct. 25, 1949. Class 7.

520,497. TEXTILE RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Jan. 26, 1949, Serial No. 572,854. Published Oct. 25, 1949. Class 42.

520,498. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,235. Published Oct. 25, 1949. Class 42.

520,499. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,236. Published Oct. 25, 1949. Class 42.

520,500. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,237. Published Oct. 25, 1949. Class 42.

520,501. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,238. Published Oct. 25, 1949. Class 42.

520,502. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,239. Published Oct. 25, 1949. Class 42.

520,503. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,241. Published Oct. 25, 1949. Class 42.

520,504. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,242. Published Oct. 25, 1949. Class 42.

520,505. HANDLOOMED WOOLEN PIECE GOODS. HOLIDAY FABRICS, INC., Pomfret Center, Conn.
Filed Feb. 3, 1949, Serial No. 573,247. Published Oct. 25, 1949. Class 42.

520,506. SILK SEWING, MENDING, AND DARNING THREAD. THE HEMINGWAY & BARTLETT MFG. CO., Watertown, Conn.
Filed Feb. 4, 1949, Serial No. 573,322. Published Sept. 27, 1949. Class 43.

520,507. PORTFOLIOS—NAMELY, BILLFOLDS AND WALLETS. FRAN-STEP MANUFACTURING COMPANY, New York, N. Y.
Filed Feb. 12, 1949, Serial No. 573,761. Published Sept. 27, 1949. Class 3.

520,508. LADIES' AND CHILDREN'S HANDBAGS MADE OF LEATHER, OF SYNTHETIC LEATHER, OF FABRICS, AND OF COMBINATIONS THEREOF. LIBERTY BAGS, INC., New York, N. Y.
Filed Feb. 16, 1949, Serial No. 573,956. Published Sept. 27, 1949. Class 3.

520,509. WOOLEN KNITTING YARN. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Feb. 16, 1949, Serial No. 573,958. Published Sept. 27, 1949. Class 43.

520,510. TEXTILE YARNS OF NATURAL OR SYNTHETIC FIBERS OR MIXTURES THEREOF. THE DUPLAN CORPORATION, New York, N. Y.
Filed Feb. 25, 1949, Serial No. 574,498. Published Sept. 27, 1949. Class 43.

520,511. LADIES' HANDBAGS. B. ALTMAN & CO., New York, N. Y.
Filed Feb. 26, 1949, Serial No. 574,562. Published Sept. 27, 1949. Class 3.

520,512. BILLFOLDS, POCKET BOOKS, PURSES, AND WALLETS. NASH INC., Jersey City, N. J.
Filed Feb. 26, 1949, Serial No. 574,587. Published Sept. 27, 1949. Class 3.

520,513. HAT BRAIDS. HENRY POLLAK, INC., New York, N. Y.
Filed Mar. 1, 1949, Serial No. 574,730. Published Oct. 25, 1949. Class 40.

520,514. UMBRELLA FRAMES. AMERICAN FOLDING UMBRELLA CO., Long Island City, N. Y.
Filed Mar. 9, 1949, Serial No. 575,115. Published Oct. 18, 1949. Class 41.

520,515. SASH CORD, CLOTHESLINE, AND TWINES. THE FRIEDSTRASS COMPANY, New York, N. Y.
Filed Mar. 9, 1949, Serial No. 575,138. Published Oct. 18, 1949. Class 7.

520,516. SEWING THREADS. MAX POLLACK & CO., INC., New York, N. Y.
Filed Mar. 10, 1949, Serial No. 575,224. Published Oct. 18, 1949. Class 43.

520,517. HANDBAG FRAMES. RANDOLPH-RAND SALES CO., INC., New York, N. Y.
Filed Mar. 15, 1949, Serial No. 575,488. Published Oct. 25, 1949. Class 3.

520,518. WOMEN'S PURSES, WALLETS, COMBINATION WALLETS AND PURSES, UTILITY PURSES AND UTILITY WALLETS. BERNARD CAHN CO., INC., New York, N. Y.
Filed Mar. 19, 1949, Serial No. 575,696. Published Oct. 25, 1949. Class 3.

Service Mark

520,519. DYEING AND TREATMENT OF PIECE GOODS CONSISTING OF WOOL, LINEN, COTTON, OR COMBINATIONS THEREOF TO MAKE THE MATERIALS CREASE RESISTANT AND TO PREVENT SHRINKAGE. AMERICAN FINISHING COMPANY, Memphis, Tenn.
Original filed, act of 1905, July 8, 1946; amended to application under act of 1946, Principal Register, Sept. 9, 1947, Serial No. 505,172. Published Aug. 23, 1949. Class 106.

Collective Mark

520,520. STIMULATING AND MAINTAINING INTEREST IN PUBLIC AFFAIRS, ETC. GYRO INTERNATIONAL, Cleveland, Ohio.
Filed Apr. 15, 1949, Serial No. 577,185. Published Oct. 4, 1949. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

520,521. (CLASS 39. CLOTHING.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y., and elsewhere. Original filed, act of 1905, Dec. 18, 1946; amended to application under act of 1946, Supplemental Register, July 13, 1948, Serial No. 514,478.

DRI-LINED

FOR BATHING CAPS.
Claims use since Mar. 10, 1933.

520,522. (CLASS 39. CLOTHING.) RICH'S, INC., Atlanta, Ga. Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Supplemental Register, Sept. 21, 1948, Serial No. 520,245.

fenwick
Exclusives

FOR MEN'S, WOMEN'S AND CHILDREN'S BOOTS, SHOES, SLIPPERS, AND SANDALS, MADE OF LEATHER, FABRICS OR COMBINATION OF LEATHER AND FABRIC.
Claims use since June 1, 1941.

520,523. (CLASS 39. CLOTHING.) THE STROUSE-BAER-FRIEDMAN COMPANY, now by change of name The Strouse-Baer Company, Baltimore, Md. Original filed, act of 1905, May 16, 1947; amended to application under act of 1946, Principal Register, July 21, 1948; amended to Supplemental Register, Sept. 21, 1949, Serial No. 522,481.

RUB EM-TUB EM
SCRUB EM

THEY COME UP SMILING

Applicant claims ownership of Registrations Nos. 157,212 and 334,605.
FOR BOYS' SUITS, OUTER AND UNDER SHIRTS, BLOUSES, PANTS, PAJAMAS, BATHROBES, AND GIRLS' DRESSES, SPORT DRESSES, SHIRTS, SHORTS, BLOUSES, SWEATERS, SLACKS, AND PLAYSUITS, AND BATH, BEACH AND LOUNGING ROBES.
Claims use since January 1920.

520,524. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 3, 1947; amended to application, Supplemental Register, Sept. 16, 1949, Serial No. 533,209.

"LOOK FOR THE NAME IN THE SELVAGE"

FOR FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF.
Claims use since Jan. 1, 1894.

520,525. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CONCORDIA-GALLIA CORPORATION, New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. Original filed, act of 1946, Principal Register, Nov. 24, 1947; amended to application, Supplemental Register, Dec. 17, 1948, Serial No. 542,093.

GROS DE PARIS

Applicant claims ownership of Registration No. 201,056.
FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON AND A MIXTURE THEREOF.
Claims use since 1925.

520,526. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CONCORDIA-GALLIA CORPORATION, New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. Original filed, act of 1946, Principal Register, Nov. 24, 1947; amended to application, Supplemental Register, Dec. 17, 1948, Serial No. 542,094.

PARIS FAILLE

Applicant claims ownership of Registration No. 212,000.
FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON AND A MIXTURE THEREOF.
Claims use since 1926.

520,527. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) MOTORDRY COMPANY, Glendale, Calif. Original filed, act of 1946, Principal Register, Dec. 2, 1947; amended to application, Supplemental Register, Nov. 14, 1949, Serial No. 542,962.

Motordry

FOR LIQUID WATERPROOFING COMPOUND PARTICULARLY FOR ELECTRICAL CONDUCTORS.
Claims use since May 12, 1947.

520,528. (CLASS 40. FANCY GOODS, FURNISHINGS AND NOTIONS.) ACME SHOULDER PAD CO. INCORPORATED, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 20, 1947; amended to application, Supplemental Register, May 26, 1949, Serial No. 544,958.

FORMIT

FOR SHOULDER PADS.
Claims use since Oct. 14, 1947.

520,529. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) B. PRIESTLEY & CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 31, 1947; amended to application, Supplemental Register, July 8, 1949, Serial No. 545,892.

NON CRUSH

Applicant claims ownership of Registrations Nos. 193,889 and 353,430.
FOR CLOTHES AND PIECE GOODS OF WORSTED, MOHAIR, AND COMBINATIONS THEREOF, WITH SILK, RAYON OR COTTON ADDED OCCASIONALLY FOR DECORATION.
Claims use since Dec. 15, 1922.

520,530. (CLASS 46. FOODS, AND INGREDIENTS OF FOODS.) BILLY ROSE, doing business as Billy Rose Candy Co. of N. Y., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 19, 1948; amended to application, Supplemental Register, June 7, 1949, Serial No. 550,172.

Billy Rose

FOR CANDY BARS.
Claims use since Dec. 10, 1947.

520,531. (CLASS 38. PRINTS AND PUBLICATIONS.) NORCROSS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 2, 1948; amended to application, Supplemental Register, Oct. 27, 1949, Serial No. 562,662.

NORCROSS

Applicant claims ownership of Registration No. 414,959.
FOR GREETING CARDS, PRINTED GREETING FOLDERS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS.
Claims use since December 1914.

520,532. (CLASS 39. CLOTHING.) MAYFLOWER DRESS CO., INC., New York, N. Y. Filed Aug. 24, 1948, Serial No. 564,262.

Mayflower Dresses for The Girl Who Dresses to Get Ahead

Applicant claims ownership of Registrations Nos. 104,110 and 293,783.
FOR LADIES' AND MISSES' DRESSES AND JUMPERS.
Claims use since May 17, 1947.

520,533. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHEFFIELD BRONZE PAINT CORPORATION, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Sept. 14, 1948; amended to application, Supplemental Register, Aug. 26, 1949, Serial No. 565,143.

Superkrome

The drawing is shaded to indicate the color red.
FOR OIL PAINTS; OIL ENAMELS; VARNISHES; AND OIL COLORS—NAMELY, ALUMINUM, BRONZE, AND GOLD POWDER AND PAINT.
Claims use since May 1, 1936.

520,534. (CLASS 37. PAPER AND STATIONERY.) THE CHATFIELD PAPER CORPORATION, Cincinnati, Ohio. Filed Sept. 8, 1948, Serial No. 567,344.

Reliable

Applicant claims ownership of Registration No. 296,761.
FOR BOND PAPER.
Claims use since 1918.

520,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HOUSE OF ROTHCHILD, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 10, 1948; amended to application, Supplemental Register, Nov. 10, 1949, Serial No. 568,505.

The HOUSE of ROTHCHILD

FOR COFFEE.
Claims use since Oct. 12, 1948.

520,536. (CLASS 39. CLOTHING.) CALIFORNIA FOUNDATIONS, INC., Los Angeles, Calif. Filed Dec. 14, 1948, Serial No. 570,821.

NEV-R-OLL

FOR FOUNDATION GARMENTS, PANTIES, CORSETS, GIRDLES, GARTER BELTS, PANTY GIRDLES, AND BRASSIÈRES.
Claims use since Oct. 6, 1947.

520,537. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HEARST CORPORATION, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 28, 1948; amended to application, Supplemental Register, Nov. 23, 1949, Serial No. 571,213.

YOUR AMERICA in Pictures

FOR NEWSPAPER SECTION, FEATURE OR DEPARTMENT.
Claims use since Sept. 13, 1948.

520,538. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CHARLES W. POLLARD, doing business as C. W. Pollard Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 19, 1949; amended to application, Supplemental Register, Oct. 10, 1949, Serial No. 572,448.

TWIN-STRIPE

FOR VENETIAN BLIND SUPPORTING TAPE.
Claims use since Sept. 10, 1948.

Service Mark

520,539. (CLASS 106. MATERIAL TREATMENT.) BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 12, 1947; amended to application, Supplemental Register, Sept. 10, 1948, Serial No. 544,144.

FAMOUS FINISHES

Applicant claims ownership of Registrations Nos. 384,379, 385,598, 413,161, 419,345, 422,869, 422,870, 422,871, 422,872, 422,873, and 432,765.
FOR SERVICES RENDERED MANUFACTURERS OF ALL KINDS OF FABRIC INCLUDING COTTON, WOOL, WORSTED, ACETATE RAYON, SPUN RAYON, AND MIXED FIBERS, WHICH SERVICES CONSIST OF RENDERING FABRICS FAST TO WASHING, FAST TO LIGHT, PERSPIRATION-PROOF, MILDEWPROOF, SHRINKPROOF, FLAMEPROOF, STABILIZED, CREASE RESISTANT, RESISTANT TO GAS FUME FADING, WATER REPELLENT, AND FINISHING FABRICS FOR PERMANENT HAND AND PERMANENT LUSTRE.
Claims use since May 9, 1945.

TRADE-MARK REGISTRATIONS RENEWED

34,163. RHEUMACILATE. Registered Feb. 6, 1900. Fries Bros. Re-renewed Feb. 6, 1950, to Fries Bros., Inc., New York, N. Y., a corporation of New Jersey. MEDICAL COMPOUNDS. Class 18.

72,032. "GAUMONT" AND BACKGROUND DESIGN. Registered Dec. 29, 1908. Sté. des Etablissements Gaumont. Re-renewed Dec. 29, 1948, to Societe Nouvelle Des Etablissements Gaumont, Paris, France, a corporation organized under the laws of the Republic of France. PHOTOGRAPHIC CAMERAS, MOVING PICTURE MACHINES, AND FILMS. Class 26.

76,455. ULTRA. Registered Jan. 18, 1910. Norvell-Shapleigh Hardware Company. Re-renewed Jan. 18, 1950, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. FISH LINES, FISH BAIT, FISHING REELS, FISHING RODS, AND FISH HOOKS. Class 22.

76,554. "LINIMENTO DE SLOAN" ETC. AND PORTRAIT. Registered Jan. 25, 1910. Earl S. Sloan, Boston, Mass. Re-renewed Jan. 25, 1950, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. LINIMENT, HORSE-LINIMENT, CHILL, FEVER, PINK-EYE, AND DISTEMPER REMEDY, ETC. Class 18.

76,606. SALADA. Registered Feb. 1, 1910. Sherman Bros. & Co., Chicago, Ill. Re-renewed Feb. 1, 1950, to Salada Tea Company, Inc., Boston, Mass., a corporation of Maine. COFFEE. Class 46.

77,017. OOLITIC. Registered Mar. 1, 1910. The A. Burdsal Company, Indianapolis, Ind., a corporation of Indiana. Re-renewed Mar. 1, 1950. FLAT-FINISH PAINT FOR INSIDE USE. Class 16.

260,616. SUPER .38 AUTOMATIC. Registered Aug. 27, 1929. Colt's Patent Fire Arms Manufacturing Co. Renewed Aug. 27, 1949, to Colt's Manufacturing Company, Hartford, Conn., a corporation of Connecticut. PISTOLS. Class 9.

260,735. FIRSTADE. Registered Aug. 27, 1929. Standard Fuel Engineering Company, Detroit, Mich., a corporation of Michigan. Renewed Aug. 27, 1949. PLASTIC FIRE BRICK. Class 12.

262,392. SHOW BOAT. Registered Oct. 8, 1929. G. P. Halferty & Co. Renewed Oct. 8, 1949, to Halferty Corporation, Seattle, Wash., a corporation of Washington. CANNED SALMON. Class 46.

262,926. PROGRESSIVE NU-SCRATCH. Registered Oct. 29, 1929. Progressive Silk Finishing Company, Hoboken, N. J., a corporation of New Jersey. Renewed Oct. 29, 1949. SILK PIECE GOODS. Class 42.

262,995. CREST LANE. Registered Oct. 29, 1929. Kline Brothers Co. Renewed Oct. 29, 1949, to Kline Brothers Company, New York, N. Y., a corporation of Delaware. JUNIORS', MISSES', LADIES', CHILDREN'S, AND INFANTS' DRESSES FOR SPORT AND STREET WEAR, ETC. Class 39.

263,390. STYLWEAR. Registered Nov. 5, 1929. James A. Hearn & Son, Inc. Renewed Nov. 5, 1949, to Hearn Department Stores, Inc., New York, N. Y., a corporation of New York. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Class 39.

263,409. OLD GOLD. Registered Nov. 5, 1929. Alabama Coffee Co., Sheffield, Ala., a corporation of Alabama. Renewed Nov. 5, 1949. COFFEE. Class 46.

263,611. "7–11 BOTH WINNERS" AND DESIGN. Registered Nov. 5, 1929. Sanford-Oviedo Truck Growers, Inc., Sanford, Fla., a corporation of Florida. Renewed Nov. 5, 1949. FRESH VEGETABLES. Class 46.

263,738. "FULCHER'S" ETC. Registered Nov. 12, 1929. R. A. Elmore, doing business as E. A. Fulcher Distilling Co., Inc., Richmond, Va. Renewed Nov. 12, 1949. RYE AND BOURBON WHISKIES. Class 49.

264,543. "J JAX" AND DESIGN. Registered Nov. 26, 1929. The Holtite Manufacturing Company, Baltimore, Md., a corporation of Maryland. Renewed Nov. 26, 1949. RUBBER HEELS AND SOLES FOR SHOES. Class 39.

264,719. "SERV-O-LUNCH" AND DESIGN. Registered Dec. 3, 1929. Indiana Fibre Products Company. Renewed Dec. 3, 1949, to Bell Fibre Products Corporation, Marion, Ind., a corporation of Indiana. PAPER DISHES. Class 2.

264,790. "BLUE LABEL KETCHUP" AND DESIGN LINED FOR RED AND BLUE. Registered Dec. 3, 1929. Curtice Brothers Co., Rochester, N. Y., a corporation of New York. Renewed Dec. 3, 1949. KETCHUP. Class 46.

264,917. SAVADAY. Registered Dec. 10, 1929. Keyes Fibre Company, Inc. Renewed Dec. 10, 1949, to Keyes Fibre Company, Waterville, Maine, a corporation of Maine. PLATES AND DISHES MADE OF PAPER PULP OR FIBRE. Class 2.

265,004. BELDALE. Registered Dec. 10, 1929. Eckerson Company, Jersey City, N. J. Renewed Dec. 10, 1949, to Swift & Company, Chicago, Ill., a corporation of Illinois. OLEOMARGARINE. Class 46.

265,027. BALANCE. Registered Dec. 10, 1929. W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware. Renewed Dec. 10, 1949. FOUNTAIN PENS AND PENCILS. Class 37.

265,317. CORYSE. Registered Dec. 24, 1929. Maurice Blanchet, Parfums de Luxe, Societe Anonyme, Suresnes (Siene), France, a French corporation. Renewed Dec. 24, 1949. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, FACE CREAMS, ROUGES, ETC. Class 51.

265,481. "MARKWELL TAXWEL EVERYWHERE 176 CHEMISET" AND DRAWING. Registered Dec. 31, 1929. Markwell Mfg. Co., Inc., New York, N. Y., a corporation of New York. Renewed Dec. 31, 1949. HATCHETS, HAMMERS, CRATE OPENERS, TACKERS AND TACKING MACHINES, ETC. Class 23.

265,532. DUNEGAL TWEEDS. Registered Dec. 31, 1929. A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Renewed Dec. 31, 1949. FABRICS COMPOSED OF COTTON AND SILK. Class 42.

265,848. "GARLOCK 234" ETC. AND DRAWING. Registered Jan. 7, 1930. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed Jan. 7, 1950. PACKING AND PACKING MATERIAL MADE WHOLLY OF OR FROM VARIOUS COMBINATIONS OF ASBESTOS, ETC. Class 35.

265,909. KNOBBY TWEEDS. Registered Jan. 7, 1930. The Atlantic Mills, Olneyville, R. I., and Stottville, N. Y. Renewed Jan. 7, 1950, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. ALL-WORSTED AND ALL-WOOLEN DRESS AND COATING FABRICS IN THE PIECE. Class 42.

265,983. "BR FINE TOOLS" AND DRAWING. Registered Jan. 7, 1930. The Black Rock Mfg. Co., Bridgeport, Conn., a corporation of Connecticut. Renewed Jan. 7, 1950. RUBBER-WORKING MACHINES. Class 23.

266,164. VELOMA. Registered Jan. 14, 1930. New York Mills Corp., Oneida County, N. Y. Renewed Jan. 14, 1950, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. VELVETEEN IN THE PIECE. Class 42.

266,271. SAVOR-TITE. Registered Jan. 14, 1930. Swift and Company. Renewed Jan. 14, 1950, to Swift & Company, Chicago, Ill., a corporation of Illinois. CANNED HAM. Class 46.

266,279. "PONO PONO" AND DESIGN. Registered Jan. 14, 1930. Hawaiian Canneries Company, Ltd., Kapaa, Kauai, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. Renewed Jan. 14, 1950. CANNED SLICED AND CRUSHED PINEAPPLE AND PINEAPPLE JUICE USED FOR FOOD-FLAVORING PURPOSES. Class 46.

266,823. INSULAVA. Registered Feb. 4, 1930. Lava Crucible Company of Pittsburgh, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Feb. 4, 1950. HEAT-INSULATING MATERIAL FOR FURNACES IN WHICH DIATOMACEOUS EARTH IS A BASE. Class 12.

266,873. UTILITY. Registered Feb. 4, 1930. The J. G. Peppard Seed Company. Renewed Feb. 4, 1950, to Peppard Seed Company, Kansas City, Mo., a corporation of Missouri. MIXED LAWN SEED, PASTURE-GRASS MIXTURES, AND GENERAL LINE OF FARM AND FIELD GRASS SEEDS. Class 1.

267,114. "LANA LANA" AND DESIGN. Registered Feb. 11, 1930. Hawaiian Canneries Company, Ltd., Kapaa, Kauai, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. Renewed Feb. 11, 1950. CANNED SLICED AND CRUSHED PINEAPPLE AND PINEAPPLE JUICE USED FOR FOOD-FLAVORING PURPOSES. Class 46.

267,477. PALETTE TWEED. Registered Feb. 18, 1930. The Atlantic Mills, Olneyville and Providence, R. I. Renewed Feb. 18, 1950, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. ALL-WORSTED AND ALL-WOOLEN DRESS AND COATING FABRICS IN THE PIECE. Class 42.

267,571. BLIS-TO-SOL. Registered Feb. 25, 1930. Central Pharmacy, Inc., Fitzgerald, Ga. Renewed Feb. 25, 1950, to Central Pharmacy, Inc., Macon, Ga., a corporation of Georgia. PREPARATION FOR USE IN THE TREATMENT OF SKIN DISEASES—NAMELY, TETTER, ECZEMA, RING-WORM, ETC. Class 18.

267,871. "MICRO MATIC" AND DESIGN. Registered Mar. 4, 1930. Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan. Renewed Mar. 4, 1950. ROTARY HONING AND GRINDING TOOLS FOR FINISHING CYLINDER BORES OR THE LIKE. Class 23.

267,872. MICROMATIC. Registered Mar. 4, 1930. Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan. Renewed Mar. 4, 1950. ROTARY HONING AND GRINDING TOOLS FOR FINISHING CYLINDER BORES OR THE LIKE. Class 23.

267,888. RAYNISE. Registered Mar. 4, 1930. General Dyestuff Corporation, New York, N. Y., a corporation of New York. Renewed Mar. 4, 1950. PRODUCT USED FOR SIZING ARTIFICIAL SILK. Class 6.

267,893. INTRASOL. Registered Mar. 4, 1930. I. G. Farbenindustrie Aktiengellschaft, Frankfort-on-the-Main, Germany. Renewed Mar. 4, 1950, to General Dyestuff Corporation, New York, N. Y., a corporation of New York. CHEMICAL PRODUCT USED AS A SOFTENING AGENT FOR HARD WATER, PARTICULARLY AS AN ADDITION TO THE RINSING BATH FOR SOAPED FABRICS, SUCH AS COTTON OR ARTIFICIAL SILK. Class 6.

268,084. LAVISTA. Registered Mar. 4, 1930. Maurice Lévy. Renewed Mar. 4, 1950, to Mauvel, Ltd., New York, N. Y., a corporation of New York. SPONGES. Class 1.

268,246. "FLIGHTEX FABRIC" AND BORDER DESIGN. Registered Mar. 11, 1930. E. S. Twining & Co., assignor to Wellington, Sears & Company. Renewed Mar. 11, 1950, to Flightex Fabrics, Inc., New York, N. Y., a corporation of Massachusetts. MEN'S AND BOYS' FOOTBALL TROUSERS, STOCKINGS, SWEATERS; SPORTS, DRESS, AND WORK SHIRTS. Class 39.

268,288. KRAZY-IKES. Registered Mar. 11, 1930. Main Toy Company, Oskaloosa, Iowa. Renewed Mar. 11, 1950, to Whitman Publishing Company, Racine, Wis., a corporation of Wisconsin. TOY BUILDING BLOCKS. Class 22.

268,382. TAILSPIN TOMMY. Registered Mar. 11, 1930. The Bell Syndicate, Inc., New York, N. Y. Renewed Mar. 11, 1950, to Hal Forrest, Los Angeles, Calif. STRIPS OF HUMOROUS DRAWINGS REPRESENTING THE SAME CHARACTERS IN DIFFERENT SITUATIONS. Class 38.

268,454. SIR GALAHAD. Registered Mar. 18, 1930. The J. L. Hudson Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 18, 1950. BOYS' HOSIERY. Class 39.

268,480. "Y" AND REPRESENTATION OF HAND. Registered Mar. 18, 1930. H. L. Handy Company, Springfield, Mass. Renewed Mar. 18, 1950, to Swift & Company, Chicago, Ill., a corporation of Illinois. EGGS, AND MEAT AND MEAT PRODUCTS—NAMELY, HAM, BACON, DRIED BEEF, ETC. Class 46.

268,580. "KARAGHEUSIAN" AND DESIGN. Registered Mar. 18, 1930. A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware. Renewed Mar. 18, 1950. TEXTILE RUGS AND CARPETS. Class 42.

268,581. AMKARA. Registered Mar. 18, 1930. A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware. Renewed Mar. 18, 1950. TEXTILE RUGS AND CARPETS. Class 42.

268,963. BLUE BANNER. Registered Mar. 25, 1930. The French Sardine Company of California, Terminal Island, Calif., a corporation of California. Renewed Mar. 25, 1950. CANNED FISH. Class 46.

269,276. REPRESENTATION OF CENTAUR. Registered Apr. 1, 1930. Chase Brass & Copper Co. Incorporated. Renewed Apr. 1, 1950, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. FILLER CAPS OF AUTOMOBILE RADIATORS. Class 19.

269,287. "GREEN HEAD" AND DRAWING LINED FOR GREEN AND YELLOW. Registered Apr. 1, 1930. Sheehy & Cumming, Watsonville, Calif. Renewed Apr. 1, 1950, to D'Arrigo Bros. Co. of California, San Jose, Calif., a corporation of California. FRESH VEGETABLES. Class 46.

269,402. KING PO-T-RIK. Registered Apr. 8, 1930. Mangels-Herold Company, Inc., Baltimore, Md., a corporation of Maryland. Renewed Apr. 8, 1950. COMPOUND OF CORN SYRUP AND WEST INDIA MOLASSES. Class 46.

269,555. NASCO. Registered Apr. 8, 1930. National Steel Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 8, 1950. IRON, STEEL, AND ALLOY STEEL; ROLLED AND DRAWN BARS, RODS, ETC. Class 14.

269,638. "IP INTERNATIONAL PRODUCTS CORPORATION" AND INVERTED TRIANGLE DESIGN. Registered Apr. 15, 1930. International Products Corporation, New York, N. Y., a corporation of Delaware. Renewed Apr. 15, 1950. CANNED MEATS AND CANNED MEAT PRODUCTS—NAMELY, CANNED CORNED BEEF AND CANNED MEAT LOAF. Class 46.

269,651. GRAINOR. Registered Apr. 15, 1930. Pioneer Rubber Mills, San Francisco, Calif., a corporation of California. Renewed Apr. 15, 1950. RUBBER AND FABRIC BELTING, RUBBER HOSE, PISTON PACKING. Class 35.

269,684. "CONGOLEUM" AND SEAL DESIGN LINED FOR SILVER. Registered Apr. 15, 1930. Congoleum-Nairn Inc., Kearny, N. J., a corporation of New York. Renewed Apr. 15, 1950. FELT-BASE RUGS AND FLOOR COVERING. Class 20.

269,685. SEAL DESIGN LINED FOR SILVER. Registered Apr. 15, 1930. Congoleum-Nairn Inc., Kearny, N. J., a corporation of New York. Renewed Apr. 15, 1950. FELT-BASE RUGS AND FLOOR COVERING. Class 20.

269,686. SILVER SEAL. Registered Apr. 15, 1930. Congoleum-Nairn, Inc., Kearny, N. J., a corporation of New York. Renewed Apr. 15, 1950. FELT-BASE RUGS AND FLOOR COVERING. Class 20.

TRADE-MARK REGISTRATIONS CANCELED

122,906. BI-NESIA. Registered Sept. 24, 1918. Milan Francis Pratt, Rochester, N. Y. A PREPARATION TO CORRECT AN ACID CONDITION OF THE STOMACH. Class 6. Canceled Dec. 16, 1949.

179,474. GOOD-WILL. Registered Feb. 12, 1924. Allied Packers, Incorporated, Chicago, Ill. FRESH MEATS—ETC. Class 46. Canceled Dec. 16, 1949.

297,478. TEXAS RANGER. Registered Sept. 13, 1932. Felder Bros., New York, N. Y. TOY PISTOL HOLSTERS ETC. Class 22. Canceled Dec. 16, 1949.

300,791. "TOM THUMB" AND DESIGN. Registered Feb. 7, 1933. Dekotah Cotton Mills, Inc., Lexington, N. C. COTTON PIECE GOODS ETC. Class 42. Canceled Dec. 12, 1949.

360,316. DESIGN OF SURF BOARD BATHING GIRL. Registered Sept. 13, 1938. Ocean Bathing Suit Company, Inc., New York, N. Y. KNITTED OUTERWEAR AND BEACH WEAR—ETC. Class 39. Canceled Dec. 12, 1949.

412,076. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. SULPHATE OF IRON; ETC. Class 6. Canceled Dec. 19, 1949.

412,077. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. SHEET STEEL ROOFING, ETC. Class 12. Canceled Dec. 19, 1949.

412,078. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. INGOTS; BLOOMS; BILLETS; ETC. Class 14. Canceled Dec. 19, 1949.

412,079. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. AERIAL TRAMWAYS AND SKI TOWS; ETC. Class 23. Canceled Dec. 19, 1949.

412,080. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. METAL CASING, TUBING, ETC. Class 13. Canceled Dec. 19, 1949.

412,081. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. INDUSTRIAL AND OTHER RAIL CARS; ETC. Class 19. Canceled Dec. 19, 1949.

412,082. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. METAL STRAND ROPE AND CABLE. Class 7. Canceled Dec. 19, 1949.

412,083. "USS" AND DESIGN. Registered Feb. 20, 1945. United States Steel Export Company, New York, N. Y. WIRE AND CABLE FOR ELECTRICAL PURPOSES; ETC. Class 21. Canceled Dec. 19, 1949.

412,559. SMOOTHIE. Registered Mar. 13, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. LEG MAKE-UP APPLICATORS. Class 44. Canceled Dec. 16, 1949.

440,249. CAVALCADE. Registered Aug. 17, 1948. The Schoellkopf Co., Dallas, Tex. VEHICLE SEAT COVERS. Class 19. Canceled Dec. 12, 1949.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

268,418. PURITAN. Registered Mar. 11, 1930. The Shotwell Mfg. Co., Chicago, Ill. MARSHMALLOWS. Class 46. The drawing is hereby amended to appear as follows:

PURITAN

335,459. CELTIC. Registered June 2, 1936. David D. Doniger & Co., New York, N. Y. MEN'S, WOMEN'S, AND CHILDREN'S SPORTSWEAR—NAMELY, POLO SHIRTS, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Co." *Inc.* should be inserted.

376,715. "CAPER" AND DESIGN. Registered Apr. 2, 1940. The Hecht Co., Washington, D. C. HOSIERY, SHOES MADE OF LEATHER, ETC. Class 39. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 for the area comprising the States of Maryland and Virginia and the District of Columbia, by order of the Assistant Commissioner dated Jan. 3, 1950, following decision in Concurrent Use Proceeding No. 11, *Marshall Field & Company* v. *The Hecht Co.*

409,974. PENN SEAL. Registered Oct. 31, 1944. Quaker State Oil Refining Corporation, Oil City, Pa. MOTOR LUBRICATING OILS. Class 15. Corrected as follows: In the certificate, line 4, and in the statement, line 3, "Pennsylvania" should be *Delaware.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

308,171. FOUR ROSES. Registered Nov. 21, 1933. The Frankfort Distillery, Inc. WHISKEY. Class 49. New certificate under section 7(c) issued Jan. 30, 1950, to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of Delaware.

315,218. FOUR ROSES. Registered July 24, 1934. Frankfort Distilleries, Incorporated. WHISKEY. Class 49. New certificate under section 7(c) issued Jan. 30, 1950, to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of Delaware.

318,910. REPRESENTATION OF ROSES. Registered Nov. 6, 1934. Frankfort Distilleries, Incorporated. WHISKEY. Class 49. New certificate under section 7(c) issued Jan. 30, 1950, to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of Delaware.

355,792. "FOUR ROSES" AND DESIGN. Registered Mar. 29, 1938. Frankfort Distilleries, Incorporated. WHISKEY. Class 49. New certificate under section 7(c) issued Jan. 30, 1950, to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of Delaware.

427,776. MURRAY HILL. Registered Feb. 18, 1947. Bach & Peterfriend. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, ETC. Class 39. New certificate under section 7(c) issued Jan. 30, 1950, to B. Altman & Co., New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 265,502. Registered Dec. 31, 1929. THE KOPPERS COMPANY, Pittsburgh, Pa. Republished by Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware.

KOMAC

FOR RAW OR PARTLY-PREPARED PRODUCT FROM PROCESSES OF (OR DERIVED FROM) COMMINGLING COAL AND OIL.
Claims use since June 5, 1928.

Reg. No. 395,648. Registered June 2, 1942. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

CHALLENGE

FOR GENERAL PURPOSE BLEACHED COTTON.
Claims use since July 9, 1941.

CLASS 6

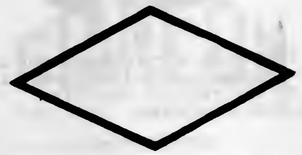
CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 443,396. Registered Sept. 27, 1949. DIAMOND ALKALI COMPANY, Cleveland, Ohio, a corporation of Delaware. Republished by registrant.

DIAMUD

FOR CHEMICAL PREPARATIONS TO BE USED WITH WELL DRILLING FLUIDS TO ENHANCE THE DRILLING CHARACTERISTICS OF WELL DRILLING MUDS, SAID PREPARATIONS BEING ADAPTED FOR MIXING WITH THE SOIL WHEN DRILLING.
Claims use since June 19, 1946.

Reg. No. 443,478. Registered Oct. 25, 1949. DIAMOND ALKALI COMPANY, Cleveland, Ohio, a corporation of Delaware. Republished by registrant.



FOR CHEMICAL PREPARATIONS TO BE USED WITH WELL DRILLING FLUIDS TO ENHANCE THE DRILLING CHARACTERISTICS OF WELL DRILLING MUDS, SAID PREPARATIONS BEING ADAPTED FOR MIXING WITH THE SOIL WHEN DRILLING.
Claims use since June 19, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 149,439. Registered Dec. 13, 1921. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

UTILIVAR

FOR VARNISH.
Claims use since August 1920.

Reg. No. 149,440. Registered Dec. 13, 1921. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

ZANZITE

FOR PAINT ENAMEL.
Claims use since about 1903.

Reg. No. 200,726. Registered July 7, 1925. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

ECOLITE

FOR DRY, PASTE, AND READY-MIXED PAINTS.
Claims use since Feb. 9, 1925.

Reg. No. 207,905. Registered Jan. 12, 1926. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

Partagloss Wall Finish

The words "Wall Finish" are disclaimed apart from the mark as shown.
FOR ENAMEL PAINT.
Claims use since July 30, 1925.

Reg. No. 232,885. Registered Sept. 20, 1927. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

Iroquois

FOR PASTE WHITE PAINT.
Claims use since Mar. 15, 1910.

Reg. No. 260,465. Registered Aug. 27, 1929. CAMEL LEAD COLOR & CHEMICAL PRODUCTS MFG. CORP., Brooklyn, N. Y., a corporation of New York. Republished by registrant.



FOR PREPARED SHELLAC AND VARNISHES, LACQUERS, PAINT ENAMELS, FLAT PAINTS, OIL PAINTS, OIL COLORS.
Claims use since about Jan. 1, 1928.

Reg. No. 382,416. Registered Oct. 29, 1940. McDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

SURFASTYLE

FOR READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS.
Claims use since Feb. 15, 1940.

Reg. No. 410,143. Registered Nov. 7, 1944. McDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

Flooroleum

FOR VARNISH.
Claims use since about 1900.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 261,652. Registered Sept. 17, 1929. ISAIAH RHDSTONE, doing business as Albert Weinberg, London, England. Republished by registrant.



The word "Cigarettes" (both appearances); and "50000" "Cigarettes" appearing on the back of the cart are disclaimed apart from the mark as shown.
FOR CIGARETTES.
Claims use since Mar. 30, 1900.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 80,092. Registered Nov. 1, 1910. DR. J. F. TRUE & CO., INC., Auburn, Maine. Republished by Pharmaceutical Products Corporation, Natick, Mass., a corporation of Massachusetts.



FOR VERMIFUGE AND REMEDIES FOR INDIGESTION, BILIOUSNESS, HEADACHE, COLDS AND DISEASES OF THE STOMACH AND LIVER.
Claims use since Jan. 1, 1851.

Reg. No. 134,832. Registered Sept. 14, 1920. DR. J. F. TRUE & CO., INC., Auburn, Maine. Republished by Pharmaceutical Products Corporation, Natick, Mass., a corporation of Massachusetts.

DR. TRUE'S ELIXIR

FOR VERMIFUGE AND REMEDIES FOR INDIGESTION, BILIOUSNESS, HEADACHE, COLDS AND DISEASES OF THE STOMACH AND LIVER.
Claims use since Jan. 1, 1851.

CLASS 19

VEHICLES

Reg. No. 348,373. Registered July 27, 1937. THE HUFFMAN MANUFACTURING COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

AIRFLYTE

FOR BICYCLES, AND STRUCTURAL PARTS THEREFOR.
Claims use since Apr. 20, 1936.

Reg. No. 440,223. Registered Aug. 17, 1948. THE HUFFMAN MANUFACTURING COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

NATIONAL

FOR BICYCLES AND STRUCTURAL PARTS THEREFOR.
Claims use since Nov. 25, 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 261,802. Registered Sept. 24, 1929. GENERAL CABLE CORPORATION, New York, N. Y., a corporation of New Jersey. Republished by registrant.

STANEON

FOR INSULATED ELECTRICAL WIRES AND CABLES.
Claims use since about Aug. 22, 1928.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 158,199. Registered Aug. 29, 1922. RALPH B. CARTER COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Hackensack, N. J.

HUMDINGER

FOR DIAPHRAGM PUMPS.
Claims use since Dec. 15, 1920.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 385,886. Registered Mar. 18, 1941. LIBERTY ELECTRIC SUPPLY COMPAY, Liberty, N. Y., a firm. Republished by registrant.



FOR ELECTRIC REFRIGERATORS.
Claims use since Oct. 1, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 275,549. Registered Sept. 23, 1930. KROEHLER MANUFACTURING COMPANY, Naperville, Ill., a corporation of Illinois. Republished by registrant.

DEL REY

FOR FURNITURE—NAMELY, CHAIRS, TABLES, SOFAS, BEDSTEADS, DRESSERS, CHIFFOROBES, CHESTS, SIDEBOARDS, AND CHINA CLOSETS; AND MORE PARTICULARLY BEDROOM AND DINING ROOM FURNITURE.
Claims use since Apr. 7, 1930.

CLASS 37

PAPER AND STATIONERY

Reg. No. 267,105. Registered Feb. 11, 1930. GOTHAM TISSUE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address Salem, N. Y.



FOR TOILET PAPER AND PAPER FACIAL TISSUES.
Claims use since Feb. 1, 1919.

Reg. No. 267,111. Registered Feb. 11, 1930. GOTHAM TISSUE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address Salem, N. Y.



The word "certified" is disclaimed apart from the mark as shown.
FOR TOILET PAPER AND PAPER FACIAL TISSUES.
Claims use since Mar. 1, 1926.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 257,320. Registered June 4, 1929. THE AMERICAN INSTITUTE OF CHEMISTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The CHEMIST

FOR MAGAZINES PUBLISHED MONTHLY.
Claims use since Dec. 10, 1928.

Reg. No. 261,505. Registered Sept. 17, 1929. THE HAIRE PUBLISHING COMPANY, New York, N. Y. Republished by Robert C. Trethaway, doing business as The Journal of Business Education, Wilkes-Barre, Pa.

The JOURNAL of BUSINESS EDUCATION

FOR MONTHLY MAGAZINE.
Claims use since on or about Apr. 19, 1929.

Reg. No. 330,120. Registered Nov. 19, 1935. OPPORTUNITY PUBLISHING COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

OPPORTUNITY

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since 1924.

CLASS 39

CLOTHING

Reg. No. 39,227. Registered Nov. 11, 1902. ARTHUR L. SWEETSER, Boston, Mass. Republished by The Stork Company, Weymouth, Mass., a corporation of Massachusetts.

Stork.

FOR ANTISEPTIC WATERPROOF SHEETING, DIAPERS, AND WATERPROOF UNDERGARMENTS.
Claims use since June 1, 1902.

Reg. No. 75,148. Registered Sept. 7, 1909. A. B. ANDREWS COMPANY, New York, N. Y. Republished by Butler Brothers, Chicago, Ill., a corporation of Illinois.

FIFTH AVENUE.

FOR HOSIERY.
Claims use since Apr. 1, 1909.

Reg. No. 257,218. Registered June 4, 1929. MOSES B. NIERENBERG, doing business as Dundee Knitting Company, New York, N. Y. Republished by Harry J. Nierenberg, doing business as Dundee Knitwear Co., New York, N. Y.



The word "Dundee" is disclaimed apart from the mark as shown.
FOR KNITWEAR—NAMELY, SWEATERS, BATHING SUITS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Apr. 16, 1925.

Reg. No. 261,696. Registered Sept. 24, 1929. LIBERTY OVERALL CO., Birmingham, Ala. Republished by Liberty Trouser and Overall Company, Birmingham, Ala., a corporation of Delaware.



FOR OVERALLS AND TROUSERS.
Claims use since about Feb. 15, 1927.

Reg. No. 354,574. Registered Feb. 15, 1938. EDWARD SHUWALL & CO., INC., Pottstown, Pa. Republished by I. Schneierson & Sons, Inc., New York, N. Y., a corporation of New York.

Screenland FROCKS

The word "Frocks" is disclaimed apart from the mark as shown.
FOR CHILDREN'S WASH FROCKS.
Claims use since Aug. 10, 1937.

Reg. No. 354,657. Registered Feb. 15, 1938. EDWARD SHUWALL & CO. INC., Pottstown, Pa. Republished by I. Schneierson & Sons, Inc., New York, N. Y., a corporation of New York.

Starlaced FROCKS

The word "Frocks" is disclaimed apart from the mark as shown.
FOR CHILDREN'S WASH FROCKS.
Claims use since Sept. 23, 1937.

Reg. No. 381,791. Registered Oct. 8, 1940. FAIRFIELD GLOVE AND MITTEN COMPANY, Fairfield, Iowa. Republished by Fairfield Glove Company, Fairfield, Iowa, a corporation of Iowa.

FREEHAND

FOR GLOVES AND MITTENS MADE OF FABRIC.
Claims use since Feb. 6, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 265,375. Registered Dec. 24, 1929. R. F. PRODUCTS CORPORATION, Brooklyn, N. Y., a corporation of New Jersey. Republished by registrant.

R F

FOR MARCEL IRONS, NON-ELECTRIC HAIR-DYE-REMOVING COMBS, PAPER-CURL PINCHING IRONS FOR USE IN CONNECTION WITH PAPER CURLERS, HAIR CURLING IRONS FOR PAPER CURLING, PAPER CURLERS, CURL RODS AND NON-ELECTRIC HAIR STRAIGHTENING COMBS.
Claims use since 1891.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 39,227. Registered Nov. 11, 1902. ARTHUR L. SWEETSER, Boston, Mass. Republished by The Stork Company, Weymouth, Mass., a corporation of Massachusetts.

Stork.

FOR ANTISEPTIC WATERPROOF SHEETING, DIAPERS, AND WATERPROOF UNDERGARMENTS.
Claims use since June 1, 1902.

Reg. No. 127,823. Registered Dec. 9, 1919. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Republished by I. Schneierson & Sons, Inc., New York, N. Y., a corporation of New York.

Loomspun

FOR SILK PIECE GOODS.
Claims use since Jan. 21, 1919.

Reg. No. 302,295. Registered Apr. 11, 1933. PHOENIX TRIMMING CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

COR-VAL

FOR DRAPES, CURTAINS, PORTIERES, AND ATTACHABLE MATERIALS FOR SUSPENDING OR HANGING THE SAME, SAID DRAPES, CURTAINS, PORTIERES, AND SUSPENDING MATERIALS BEING MADE OF SILK, WOOL, LACE, VELVET, AND THE LIKE.
Claims use since Apr. 5, 1932.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 54,308. Registered June 26, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.



The trade-mark consists of a representation of a red Greek cross.
FOR MEDICAL AND SURGICAL PLASTERS.
Claims use since 1887.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 159,357. Registered Sept. 26, 1922. GENERAL BAKING COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Bond

FOR CAKE, PASTRY, BISCUITS, COOKIES, CRACKERS, AND FRIED BAKERY PRODUCTS—NAMELY, DOUGHNUTS.
Claims use since about Jan. 1, 1921.

Reg. No. 258,488. Registered July 9, 1929. M. EPSTEIN & COMPANY, Stamford, Conn. Republished by Flagmaid Foods, Incorporated, Stamford, Conn., a corporation of Connecticut.

SHORELINE

FOR CANNED FRUITS AND VEGETABLES.
Claims use since Sept. 10, 1928.

Reg. No. 261,263. Registered Sept. 10, 1929. CALIFORNIA ANIMAL PRODUCTS CO. INC., Oakland, Calif. Republished by Calo Dog Food Company, Inc., Oakland, Calif., a corporation of California.

"HIS MASTER'S CHOICE"

FOR DOG AND CAT FOOD.
Claims use since Apr. 1, 1929.

Reg. No. 262,911. Registered Oct. 29, 1929. ROMAN MEAL COMPANY, Tacoma, Wash., a corporation of Washington. Republished by registrant.

"NATURE'S NUT-BROWN FOOD"

The words "Nut-Brown Food" are disclaimed apart from the mark as shown.
FOR CEREAL PRODUCTS—NAMELY, BREAD MEAL.
Claims use since July 1922.

Reg. No. 266,603. Registered Jan. 28, 1930. THE RHODES RANCH EGG COMPANY, Denver, Colo., a corporation of Colorado. Republished by registrant.

Rhodes NU LADE

The expression "Nulade" is disclaimed apart from the mark as shown.
FOR EGGS.
Claims use since Apr. 1, 1917.

Reg. No. 269,939. Registered Apr. 22, 1930. INTERNATIONAL PRODUCTS CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

I. P. C.

FOR CANNED MEATS AND CANNED MEAT PRODUCTS—NAMELY, CORNED BEEF AND CANNED MEAT LOAF.
Claims use since 1927.

Reg. No. 277,875. Registered Dec. 2, 1930. CONSOLIDATED TEA COMPANY, INC., New York, N. Y. Republished by Adolph Goldmark & Sons, Corp., New York, N. Y., a corporation of New York.



The drawing is lined for red.
FOR CANDY.
Claims use since 1922.

Reg. No. 359,382. Registered Aug. 16, 1938. ADOLPH GOLDMARK & SONS CORP., New York, N. Y. Republished by Adolph Goldmark & Sons, Corp., New York, N. Y., a corporation of New York.



FOR OLIVES, OLIVE OIL, SPICES, AND CHEESE, AND CANNED FISH.
Claims use since August 1936.

Reg. No. 370,780. Registered Sept. 5, 1939. GENERAL BAKING COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Bond

FOR BREAD.
Claims use since June 1, 1915.

Reg. No. 395,316. Registered May 19, 1942. RALPH T. FOX, doing business as The Fox Company, Newfield, N. J. Republished by The Fox Company, Newfield, N. J., a corporation of New Jersey.

FLAVITEIN

FOR POULTRY FEED—NAMELY, INGREDIENTS USED IN POULTRY MASHES.
Claims use since Jan. 2, 1942.

Reg. No. 443,114. Registered July 19, 1949. THE CHAS. SUCHER PACKING CO., Dayton, Ohio, a corporation of Ohio. Republished by registrant.

VICTORY

FOR MEAT PRODUCTS—NAMELY, PICKLED PIG TONGUES, PORK CUTLETS, HAMBURGERS, CUBED STEAKS, PIG'S FEET, DRIED BEEF, LARD, BACON, HAM, LOAVES, CHILE CON CARNE, SAUSAGE, SALAMI, CANADIAN BACON, BEEF CARCASSES AND CUTS, SOUSE, PORK SHOULDER PICNIC, BRAINS, COTTAGE ROLL, AND WEINERS.
Claims use since the year 1898.

Reg. No. 443,443. Registered Oct. 11, 1949. JOHN W. LAW CO., Santa Maria and Guadalupe, Calif., a corporation of California. Republished by registrant, present address Santa Maria, Calif.

UNITY

FOR FRESH CAULIFLOWER.
Claims use since May 20, 1925.

CLASS 47

WINES

Reg. No. 404,300. Registered Nov. 16, 1943. CALIFORNIA WINE SALES, INC., Lodi, Calif. Republished by Wine Growers Guild, Lodi, Calif., a corporation of California.

ST MARK

FOR WINE.
Claims use since Feb. 24, 1943.

Reg. No. 407,662. Registered June 20, 1944. CALIFORNIA WINE SALES, INC., Lodi, Calif. Republished by Wine Growers Guild, Lodi, Calif., a corporation of California.



FOR WINE.
Claims use since Feb. 24, 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 320,154. Registered Dec. 18, 1934. J. MARION LEGENDRE, New Orleans, La. Republished by registrant.



The word "Liqueur" is disclaimed apart from the mark as shown.
FOR LIQUOR PREPARED FROM HERBS WITH DISTILLED SPIRITS.
Claims use since Mar. 1, 1934.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 385,191. Registered Feb. 18, 1941. POND'S EXTRACT COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Rascal Red

The word "Red" is disclaimed apart from the mark as shown.
FOR LIPSTICKS.
Claims use since July 29, 1940.

REISSUES

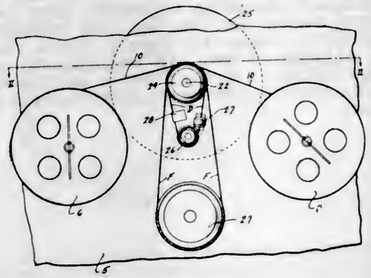
JANUARY 31, 1950

23,192
CONSTANT SPEED DRIVE FOR MAGNETIC RECORDERS

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois

Original No. 2,372,810, dated April 3, 1945, Serial No. 461,941, October 14, 1942. Application for reissue January 12, 1949, Serial No. 70,568

7 Claims. (Cl. 179—100.2)



3. In a magnetic recording device wherein sound is recorded by magnetizing an elongated recording medium, a pair of spaced reels, a recording medium on said reels to travel from one to the other, a slip-clutch driving connection for each of said reels, and a constant speed drive arrangement between said reels including a driven pulley from which said medium extends to each reel, and a series of idler pulleys with each of which and the driven pulley said medium makes a *separate* loop.

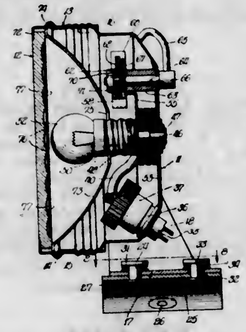
23,193
HEADLIGHT LANTERN

Charles S. Packer, Chicago, and Marvin R. Olsen, Glen Ellyn, Ill., assignors to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,482,287, dated September 20, 1949, Serial No. 621,750, October 11, 1945. Application for reissue November 19, 1949, Serial No. 128,452

9 Claims. (Cl. 240—41)

6. In a portable lantern, the combination with a base member, of a substantially cylindrical lamp casing having a rear wall and being rotatably supported on the base member for movement on a diametrical axis, a lamp socket located within the casing approximately centrally thereof and being fixedly secured to the rear wall in a manner to insulate the socket therefrom, a movable switch member also located within the casing and supported from said rear wall so as to be insulated therefrom, means electrically connecting the switch member with one terminal of a source of electric current, an actuating disc for moving said switch member into electrical contact with the lamp socket, and an actuating lever



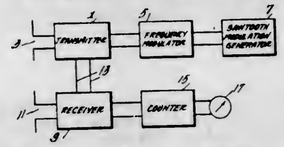
located exteriorly of the rear wall for actuating said disc.

23,194
FREQUENCY MODULATION DISTANCE INDICATOR

Ray G. Shankweiler, Cranbury, N. J., and Daniel Blitz, Boston, Mass., assignors to Radio Corporation of America, a corporation of Delaware

Original No. 2,459,461, dated January 18, 1949, Serial No. 601,128, June 23, 1945. Application for reissue October 15, 1949, Serial No. 121,492

3 Claims. (Cl. 343—14)



1. A distance measuring system including means for transmitting a high-frequency signal to an object whose distance is to be measured, means for varying cyclically the frequency of operation of said transmitter between two values f_1 and f_2 as a sawtooth function of time at a rate f_m, with the periods of increase of frequency much longer than the periods of decrease of frequency, means adjacent said transmitting means for receiving said signal as transmitted and after reflection by said object, and responsive thereto to provide a beat signal only during increase in frequency of said signal both as transmitted and after reflection, a frequency responsive indicator having a time lag t_L, and means for applying said beat signal to said indicator, wherein

$$\left[t_L = 2\frac{f_2 - f_1}{f_2 + f_1} f_m\right]$$

$$t_L = \frac{f_2 + f_1}{2(f_2 - f_1) f_m}$$

PLANT PATENTS

GRANTED JANUARY 31, 1950

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

917
ROSE PLANT
Edward Burton Le Grice, North Walsham, England, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application January 17, 1949, Serial No. 71,378
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by the yellow color of its blooms; the unusually long peduncle; the color of the stamens and its glossy and leathery foliage, substantially as shown and described.

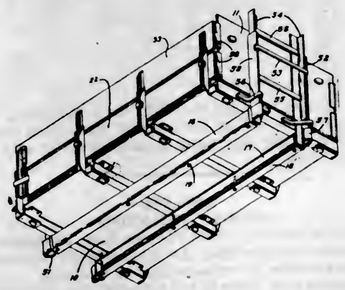
918
ROSE PLANT
Harvey E. Barké, Amherst, Mass., assignor to Arnold-Fisher Company, Woburn, Mass.
Application April 22, 1947, Serial No. 743,137
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant substantially as herein shown and described, characterized particularly as to novelty by its exceedingly vigorous and healthy growth habits; the ease of propagation; its rapidity and freedom of branching after flowers are cut; the consistency with which it produces large, well-formed flowers; the luxuriant and substantial quality of its foliage; the absence of blind wood; the perfection of form and predominantly soft golden coloring of its large flowers; and the substantial texture of the large velvety petals of the flowers.

PATENTS

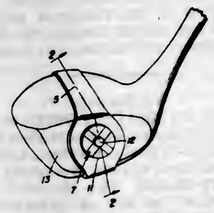
GRANTED JANUARY 31, 1950

2,495,678
COMBINATION FARM WAGON
John Bellinghausen, Carroll, Iowa, assignor of one-half to J. J. Meyers, Carroll, Iowa
Application December 26, 1946, Serial No. 718,540
4 Claims. (Cl. 296—13)



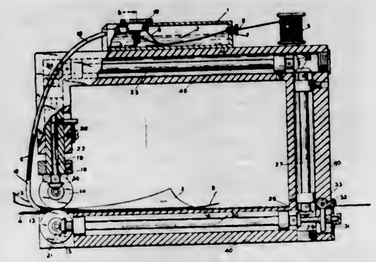
1. In a combination farm wagon, a wagon bed, a detent pivoted beneath the wagon bed and having an angular end bent upwardly forming an abutment, lower side boards pivoted to said wagon bed and movable to an upright position or to a flat position with respect to said wagon bed, upper side walls, sustaining means for maintaining said upper side boards in substantial alignment with the lower side boards in either upright or flat position or in independent upright position at the outer side of the lower side boards when in the lowered position, a downwardly projecting tail piece from each of said sustaining means positioned to engage with said abutment of said detent in one position of said detent and to engage with the bottom of the wagon bed when the lower side boards are in the flat position, and means on the bottom of said wagon box for steadying the angular end of said detent.

2,495,679
MARKING ATTACHMENT FOR GOLF CLUBS
Rudy Abrecht, Sacramento, and James W. Abrecht, Whittier, Calif.
Application April 5, 1948, Serial No. 18,974
1 Claim. (Cl. 273—35)



A golf practice device comprising an endless band of elastic material adapted to embrace the head of a golf club, said band having an enlarged portion for opposing the striking face of a golf club, said enlarged portion having an opening therein, a backing disk adapted to bear against the striking face of a golf club, a spider-like cage at one surface of said disk having a central aperture, said cage extending through the opening in said band, an ink retaining pad mounted in the cage, and a stud carried by said pad and projecting through the aperture in said cage.

2,495,680
APPARATUS FOR JOINING PIECES OF PLASTIC
Alvadore M. Andrews, Portland, Oreg.
Original application May 14, 1947, Serial No. 747,960. Divided and this application June 14, 1948, Serial No. 32,780
11 Claims. (Cl. 154—42)

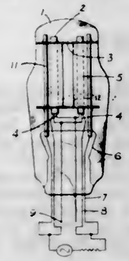


1. A machine for bonding together sheets of plastic that are amenable to solvents, by interposing a solvent carrying thread between the sheets and applying pressure, comprising a solvent storage reservoir, a thread holder adjacent thereto, means for drawing a thread through said reservoir to cause the thread to absorb solvent, a conduit for conducting the solvent charged thread to a point where it is passed between sheets to be joined, protecting said thread from atmosphere contact while being conducted, and means for applying pressure to plastic sheets and the solvent carrying thread concurrently.

2,495,681
ELECTRIC DISCHARGE TUBE
Gösta F. Asker, Stockholm, Sweden, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 4, 1946, Serial No. 659,482
In Sweden March 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 22, 1965
6 Claims. (Cl. 250—27.5)

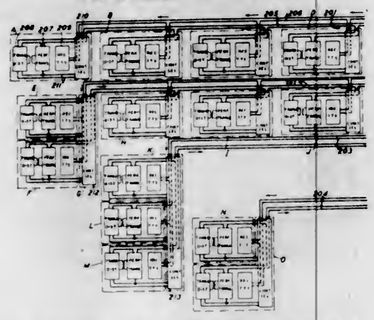
1. In a gaseous discharge tube, an envelope having a portion of given diameter, a plurality of electrodes spaced apart at a distance less than said diameter, a screen surrounding each elec-

trode on three sides in spaced relation with respect thereto, and means providing an elec-



trical connection between each electrode and the associated screen.

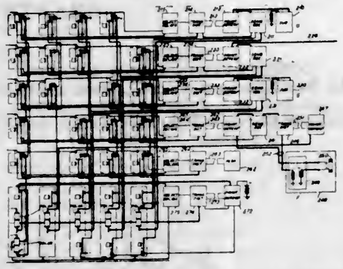
2,495,682
COMMUNICATION SYSTEM
Walter M. Bacon, New York, and Edward F. Watson, Larchmont, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,426
115 Claims. (Cl. 178—4)



1. A communication system comprising a plurality of outlying stations, a central station, transmitting and receiving apparatus located at each of said outlying stations, a communication channel connected between each of said outlying stations and said central station for transmitting impulses from the transmitting apparatus at each of said outlying stations to said central station, a second communication channel connected between each of said outlying stations and said central station for transmitting impulses from said central station to said outlying stations, switching apparatus at said outlying stations connected to said second communication channel for connecting said transmitting apparatus to said first communication channel and for connecting said receiving apparatus to said second channel, and means at said central station for controlling said switching apparatus.

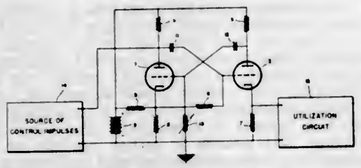
2,495,683
COMMUNICATION SYSTEM
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1940, Serial No. 371,521
103 Claims. (Cl. 178—4)

1. A telegraph switching system comprising a plurality of telegraph lines, a plurality of telegraph storage transmitters, a storage medium for controlling each of said transmitters, an indicating device for each of said lines controlled by its respective transmitter, means responsive to char-



acters stored in said medium for controlling said indicating device, and manually controlled means for connecting any said transmitters to any one of said lines.

2,495,684
MULTIVIBRATOR
Arnold H. Bartels, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application June 2, 1945, Serial No. 597,283
1 Claim. (Cl. 250—27)

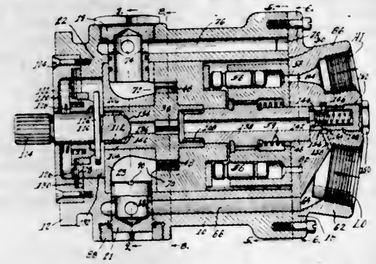


A multivibrator comprising, first and second vacuum tubes, each having a cathode, an anode and a control grid, respective condensers coupled between the anodes of each of said tubes and the control grids of the other of said tubes, a source of space current for said tubes having its positive terminal coupled to the anodes of said tubes, respective resistors coupled between the cathodes of said tubes and the negative terminal of said source of space current, a leak resistor for one of said condensers coupled between the control grid of said first vacuum tube and the negative terminal of said source of space current, a leak resistor for the other of said condensers connected between the control grid of said second tube and the cathode of said first tube, a resistor coupled between the cathode of said first tube and the positive terminal of said source of space current, a source of control signals of negative polarity coupled to the anode of said first tube, and a utilization circuit coupled to the cathode-connected resistor of said second tube.

2,495,685
TWO-STAGE HYDRAULIC PRESSURE PUMP
Bernard Beaman, Julius Hulman, and Robert A. Stein, Dayton, Ohio
Application June 8, 1945, Serial No. 598,356
17 Claims. (Cl. 103—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

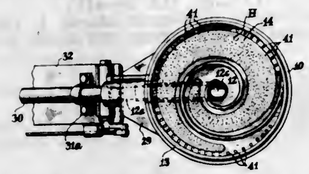
1. In a two-stage hydraulic pressure pump, a housing, a barrel drive shaft journaled therein, a barrel loosely mounted on said shaft and op-

eratively connected thereto, said barrel having cylindrical bores therethrough substantially parallel to the axis of rotation of the barrel, a piston in each of said bores, said barrel having one of its ends seated against an end of said housing, cylinder ports in said end of said barrel and communicating with said cylindrical bores, a cam in said housing having a cam surface in the shape of a truncated cylinder end, said pistons cooperating with said cam to effect sliding movement of the pistons in one direction upon rotation



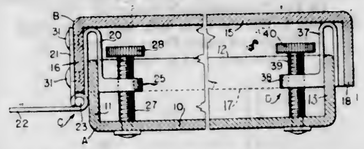
of said barrel, a low pressure vane pump rotor operatively connected with said barrel driving shaft and located within said cam, said cam being built to provide a stator chamber therefor, said end of said housing having intake and discharge ports, and a passageway system leading from said intake port to said low pressure pump and from said low pressure pump to an intake port in said housing end for said cylinder ports, and an outlet port in said housing communicating with said discharge ports.

2,495,686
SURFACE CLEANING AND SHAMPOOING MACHINE
Edward Berberian, Union City, N. J.
Application November 24, 1947, Serial No. 787,737
2 Claims. (Cl. 15—321)



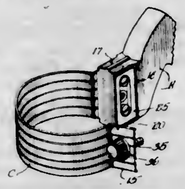
1. A portable surface cleaning or shampooing machine embodying, in combination, a mounting member, a head mounted to rotate in said mounting member, a squeegee element mounted on the bottom surface of said head and having rubbing contact with the surface to be cleaned, said squeegee element comprising a perimetric portion substantially encircling said head and a single inwardly-disposed portion of continuous, gradually winding spiral form extending outwardly in the direction of rotation from a point adjacent to the axis of rotation of the head to a point of merger with the perimetric portion, said gradually-winding portion of spiral form passing a plurality of times across a diametric line extending through said merger point and said axis of rotation means for feeding a liquid cleaning material within said arcuate perimetric portion, said arcuate squeegee portion being adapted to retain and prevent the escape outwardly of cleaning material fed to a surface to be cleaned below and within the area bounded by said arcuate portion, and said inwardly disposed spiral portion being adapted to guide and deflect cleaning material used on said surface to a collection place at the axis of said head beneath the bottom surface thereof, a removal conduit at said axially-located collection place, and vacuum means for applying suction through such removal conduit to remove spent cleaning material at said axis.

2,495,687
BOX FOR LOOSE-LEAF HOLDERS
Elliott T. Belmont, Boston, Mass.
Application July 23, 1948, Serial No. 40,247
5 Claims. (Cl. 206—1)



2. In a box of the class described, in combination, two box sections having side walls adapted to be fitted telescopically together to close the box; a hinge structure connecting two proximate relatively parallel side walls of the box, said hinge structure comprising a strap fixedly mounted upon one of said two proximate side walls, a strap adjustably mounted upon the other of said two side walls, and a pintle connecting said two straps; and means carried by the section of said other side wall and manually operable to adjust said last-mentioned strap on said other side wall thereby to vary the voluminal capacity of the box when in its closed condition while permitting said sections to be pivotally adjusted relatively on said hinge structure to open and close the box.

2,495,688
COLLAR HANDLE FOR LIQUID VESSELS
Herbert G. Blakeslee, Evanston, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application January 8, 1947, Serial No. 720,730
8 Claims. (Cl. 294—27)



1. For application to the cylindrical neck of a vessel, a collar-handle comprising a metallic band bent endwise through the major part of a circle and formed at its ends with out-turned ears adapted to be extended in substantial parallelism, a handle whereon is a block adapted for reception between the collar ears, flanges inturned from the edges of the ears adapted to engage grooves formed in opposite sides of the handle block to assure a predetermined spaced positioning of one with respect to the other, fastening means traversing one ear and engaged therewith and with the handle block to secure the one fixedly to the other, and other fastening means separate from

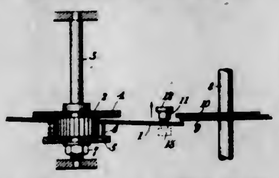
and operable independently of the first mentioned fastening means and traversing the opposite ear and engaged inseparably therewith and separably with the handle block to secure the one releasably to the other without releasing said first mentioned fastening means.

2,495,689

DRIVING DEVICE FOR POWER-DRIVEN TELEPHONE SWITCHES AND SIMILAR SWITCHING MEMBERS

Oscar Jean Joseph Bracke and Georges Xavier Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 8, 1947, Serial No. 778,634
In the Netherlands June 26, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 26, 1966
5 Claims. (Cl. 74—405)



1. A driving device for power driven switches comprising a drive shaft, a rigid toothed wheel on said drive shaft, a driven shaft, a member mounted on said driven shaft, a second toothed wheel slidably mounted axially on said driven shaft, said second toothed wheel having external teeth to mesh with the teeth on said rigid toothed wheel when said second toothed wheel is against said member, means for securing said second toothed wheel on said driven shaft against relative rotation therebetween but permitting loose axial relative movement, resilient means for holding said second toothed wheel against said member, and a movable member adapted to be pressed against said second toothed wheel for displacing said wheel out of engagement with said rigid toothed wheel against the action of said resilient means.

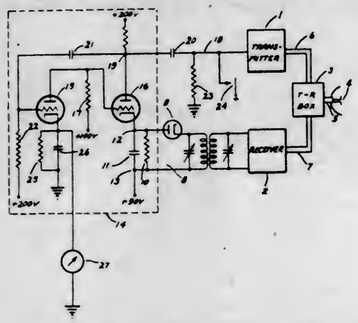
2,495,690

ECHO-TRIGGERED RADAR SYSTEM

William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application January 27, 1945, Serial No. 574,912
1 Claim. (Cl. 343—13)

A radio detecting and ranging system comprising, in combination; a normally inactive carrier-wave transmitter for transmitting pulses of radio-frequency energy; a carrier-wave receiver adapted to receive echoes of said transmitted pulses; starting means for effecting the transmission by said transmitter of an initial pulse of radio-frequency energy; a delayed-impulse generator connected to said receiver and responsive to the reception by said receiver of the first echo of said initially transmitted pulse for generating a delayed electrical impulse, said delayed impulse being generated after the lapse of a predetermined period of time following reception of said first echo, said predetermined period of time being greater than the time interval which would occur between the transmission of a pulse and the reception of an echo thereof from a reflecting object located at the range limit of the system; means rendering said delayed-impulse generator unresponsive to echoes received by said receiver during said predetermined period of time following reception of said first echo; means for applying said delayed impulse to said transmitter to effect the transmission of a second pulse of radio-frequency energy, whereby the first echo of said second pulse, when received by said receiver, actuates said delayed-impulse generator, said system thereafter being self excited, the interpulse periods being equal to the time intervals between the transmission of a pulse and the reception of the first echo thereof plus said predetermined period of delay time; means for developing a voltage proportional to the pulse-repetition frequency; and means for utilizing said developed voltage to indicate the distance from the transmitter to the nearest reflecting object.

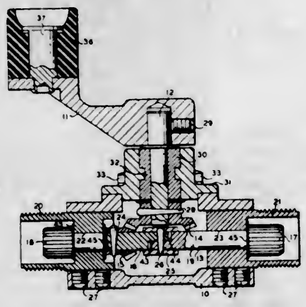


2,495,691

CONTROL UNIT

Linn S. Brennan, Dayton, Ohio

Application September 12, 1945, Serial No. 615,907
1 Claim. (Cl. 74—417)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



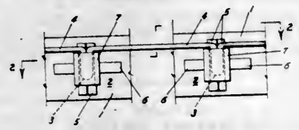
As an article of manufacture, a drive unit of the class described and comprising a crank provided with a knob, a shaft rotated by said crank, a cover plate having a bearing bushing integrally cast therein, said crank-rotated shaft being journaled in said bushing, a tubular housing having line-bored openings and an additional opening extending transversely to the axis of said line-bored openings, fastening means for removably securing said cover plate over said transverse opening, a pair of centrally bored bearing members respectively mounted in said line-bored openings, a two-piece shaft, each piece having an integrally formed coupling member, journaled in one of said bored bearing members, said shaft pieces being positioned in tandem with their inner ends overlapping and substantially semicircular in cross section for a sufficient distance to allow relative longitudinal adjustment, splicing means for demountably assembling said two-piece shaft and drive means coupling said crank shaft and said two-piece shaft for simultaneously rotating said coupling members upon rotation of said crank.

2,495,692

ORTHODONTIC ARCH WIRE AND MOUNTING

Archie B. Brusse, Denver, Colo., assignor to Rocky Mountain Metal Products Co., Denver, Colo., a corporation of Colorado

Application September 9, 1946, Serial No. 695,596
2 Claims. (Cl. 32—14)



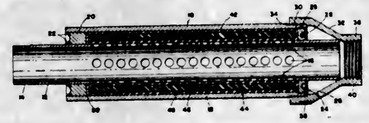
1. The combination of an arch bow and a bracket for attachment to a tooth band, said bracket having a passage of uniform substantially rectangular cross section, said arch wire comprising a round wire having an integrally formed laterally extending loop, the inner adjacent surfaces of said loop being flattened and in coextensive contiguous contact, and the outer sides of said loop being flattened to a uniform, substantially rectangular cross section so that said loop fits tightly in said passage whereby relative movement between said loop and said bracket is minimized.

2,495,693

HYDRAULIC SURGE DAMPER

William Byrd, Jr., and Wilbert Annis, United States Navy

Application March 26, 1946, Serial No. 657,317
2 Claims. (Cl. 138—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



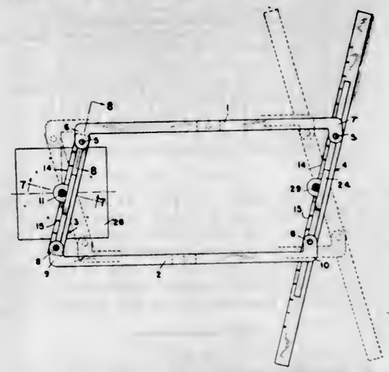
1. A device for use in a hydraulic line comprising a length of pipe interposable in the hydraulic line, said length of pipe having a plurality of perforations in its peripheral wall, a sleeve surrounding the perforated portion of said pipe, an annular disc interposed between the pipe and sleeve at one end thereof for securing the pipe to the sleeve, an annular disc threaded into the opposite end of the sleeve about the pipe to hold the latter end of the sleeve concentric with the pipe, said last named disc being removable, said sleeve and discs forming a closed annular chamber about the perforated position of the pipe and a resilient material disposed in said chamber.

2,495,694

MECHANICAL RESECTOR

Hubert C. Cain, Alexandria, Va.; dedicated to the free use of the People in the Territory of the United States

Application September 8, 1948, Serial No. 48,308
2 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for use in making maps from aerial photographs comprising a pivotally jointed parallelogram, the four joint pivots of which are fixed in position on and equidistantly and inwardly offset from the inside edges of two opposite, longitudinal, long arms of the parallelogram, each end of the long arms having an inward projection upon which the joint pivots are located, the parallelogram having two short side arms that underlie the said projections, whereby the side arms may be rotated about 180 degrees with respect to the two long arms in a plane below the latter, a straight edge on the outer edge of one short arm, a straight edge on the inner edge of the other short arm, pivot means at the mid-point of each short side arm, the center of each pivot means being in alignment with each straight edge, said pivot means including means to fix and attach said mid-points in position on the photograph and map respectively, each said pivot means providing a pivot about which each short arm can be turned, each straight edge having indicia corresponding to distance from the center of each of the pivot means.

2,495,695

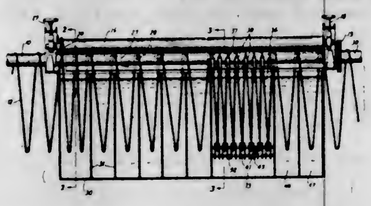
ELECTROPLATING APPARATUS

Etienne L. A. Camin and Herbert Kenmore, New York, N. Y., assignors, by mesne assignments, to Kenmore Metals Corporation, New York, N. Y., a corporation of Delaware

Application May 8, 1944, Serial No. 534,543
2 Claims. (Cl. 204—209)

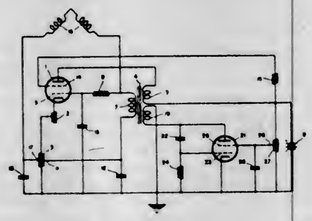
1. An apparatus for electroplating helically formed, elongated, heavy gauge metal material comprising a longitudinal series of tanks including a tank adapted to contain a cleansing solution and a tank adapted to contain an electroplating solution, a cylindrical roller extending above and along the length of the series of tanks, means for rotating said cylindrical roller, said cylindrical roller adapted to hold a helical series of coils of said elongated metal material to be plated so that the portions of the coils below the roller are suspended within the tanks, a second cylindrical roller for pressing each of the coils

which are above said tanks at those portions of the coils which contact the upper surface of the first cylindrical roller against the surface of the said first roller so that rapid rotation of the said first cylindrical roller produces rapid rotation of the coils and causes the helix of the metal material to feed into the series of baths at one end



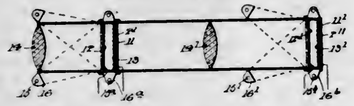
and out of the series of baths at the other end and so that each coil is rolled under pressure as it emerges from the bath liquid, said tanks being closely spaced so that each coil of the helix has its lower portion submerged in one of the tanks, and electrical contact means adapted to ride on the coils above the surface of the electroplating tank.

2,495,696
SCANNING CURRENT GENERATOR
Madison Cawein, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 29, 1946, Serial No. 665,658
7 Claims. (Cl. 250—36)



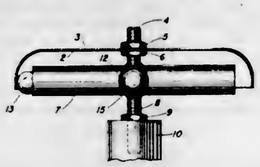
1. A relaxation oscillation generator for developing a saw-tooth current wave comprising, a vacuum tube having input and output circuits, means including an inductance device in said output circuit for effecting a regenerative feedback from said output circuit to said input circuit, whereby to develop a substantially linear saw-tooth current wave having a relatively long trace interval and a relatively short retrace interval during each cycle, the respective trace and retrace portions of said saw-tooth current wave having slopes depending upon the ratio of the inductance to the resistance of said oscillator tube output circuit effective during the respective trace and retrace intervals of each cycle, an auxiliary inductance device coupled to said output circuit inductance device, and means coupled to said auxiliary inductance device to effect a current flow therethrough during trace intervals of said saw-tooth current wave and to interrupt said current flow during retrace intervals of said saw-tooth current wave, thereby effectively reducing the resistance in said oscillator tube output circuit during trace intervals so as to extend the linear portion of said saw-tooth current wave during trace intervals.

2,495,697
METHOD AND APPARATUS FOR INTENSIFYING ELECTRONIC IMAGES
Constantin Chilowsky, New York, N. Y.
Application June 8, 1946, Serial No. 675,502
17 Claims. (Cl. 250—141)



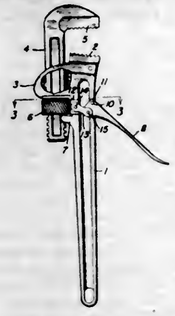
1. Apparatus for intensifying electronic images comprising, a source of electrons, a black filter of opaque material having a multiplicity of electron-conductive orifices distributed throughout the area of the filter, the total cross-sectional area of said orifices being a small fraction of the total filter area, electron-responsive material associated with said orifices and adapted to constitute light valves controlling the passage of light through and beyond said orifices, and means for concentrating the electrons of a unit cross-sectional area substantially greater than the area of each orifice on the electron-responsive material associated with the orifice included within said unit area.

2,495,698
SIGNALING DEVICE
Lloyd E. Chilson, San Francisco, Calif.
Application September 19, 1945, Serial No. 617,414
1 Claim. (Cl. 116—152)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



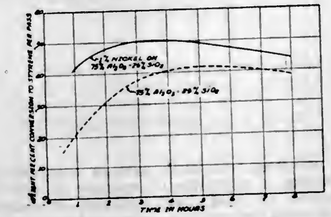
An alarm device adapted for attachment to and rotation with a rotatable element, said device providing an audible signal on rotation of said element, and comprising a cup-shaped bell member having an interior concave and an exterior convex surface; a horizontally positioned spindle adjustably connected to the center portion of said bell member and extending within said bell member; a first pipe member having a mid-portion thereof mounted on the other end of said spindle, and a second and a third pipe member each having one end thereof mounted against a mid-portion of said first mentioned pipe member, said pipe members having their longitudinal axes in a plane perpendicular to that of the longitudinal axis of said spindle; a relatively movable ball mounted within each of said pipe members, with the exits of said pipe members being spaced from a portion of the concave surface of the ball member a distance less than the diameter of said ball; and a second spindle joined to said first mentioned pipe member at a point opposite the junction thereof with said first mentioned spindle, said second spindle being connected to said rotatable element whereby rotation of said rotatable element causes said balls to move along said pipe members with intermittent striking of said balls against said bell to produce audible signals.

2,495,699
GRIP TIGHTENING DEVICE FOR PIPE WRENCHES
George H. Clark, Yakima, Wash.
Application January 30, 1948, Serial No. 5,281
2 Claims. (Cl. 81—78)



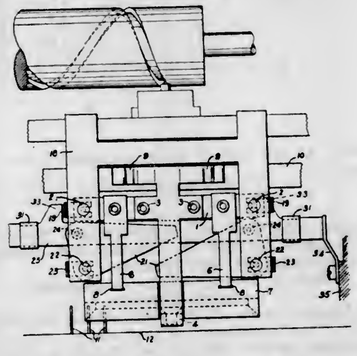
1. In a wrench, a handle having a fixed inner jaw on one end and having front and rear sides, a swingable outer jaw having a screw threaded shank on one end of which said outer jaw is formed; a bracket on the rear side of the handle and adjacent said inner jaw for mounting said shank for sliding and rocking movement in a plane passing through said handle, whereby the other end of said shank can be rocked away from said handle to swing the outer jaw toward the inner jaw; a second bracket on the rear side of the handle and spaced from said shank-mounting bracket; a nut threaded on said shank for slidably adjusting said outer jaw, said nut being loosely mounted near the rear side of the handle and between said brackets; a U-shaped pusher member straddling the rear side of the handle between said brackets and between the handle and said nut, said pusher member being movable against said nut to swing said shank; a lever pivotally mounted on the front side of said handle; and operating connections between said lever and pusher member for moving the pusher member against said nut and into frictionally locking engagement therewith.

2,495,700
SILICA-ALUMINA-NICKEL DEHYDROGENATION CATALYST
Ben Bennett Corson and George Arthur Webb, Pittsburgh, Pa., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Original application October 9, 1944, Serial No. 557,914. Divided and this application March 9, 1946, Serial No. 653,405
3 Claims. (Cl. 252—455)



1. A catalyst for efficient dehydrogenation of hydrocarbons consisting essentially of a major portion of alumina and a minor portion of silica activated with about 1% and less than 3% of the oxide mixture of nickel capable of maintaining the dehydrogenation activity of the catalyst at temperatures of 650° C. in the presence of steam.

2,495,701
CONTACT BRUSH SPREADER AND GUIDE FOR ELECTRIC SELECTOR SWITCHES
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 29, 1944, Serial No. 547,126
11 Claims. (Cl. 179—27.5)

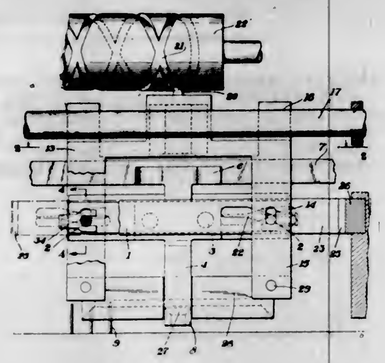


1. In a selector switch a terminal bank, a row of contact terminals projecting therefrom, a guide member having a longitudinal slot into which more than three of said contacts project, a movable support, means for mounting said guide member in said support in such manner that it is capable of limited lateral movement in its passage over the contact terminals, and a pair of brush springs which pass respectively over the two sides of said guide member, said brush springs being mounted on said movable support and having contact surfaces which rub over said contact terminals.

2,495,702
COMBINED CONTACT BRUSH GUIDE AND SPREADER FOR ELECTRIC SELECTOR SWITCHES
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 13, 1944, Serial No. 567,997
16 Claims. (Cl. 179—27.5)

1. A selector switch comprising a terminal bank, a row of contact terminals thereon, a brush carriage, means for moving the carriage back and forth over the terminal bank, a brush engaging member mounted on the carriage, a brush supported by the carriage for movement relative thereto perpendicular to the direction of carriage travel and formed for camming engagement with the engaging member to effect shifting of the brush responsive to said perpendicular movement into an engaging and non-engaging position relative to the contact terminals and actuating means

for the brush and operative to effect relative movement of the brush and engaging member re-



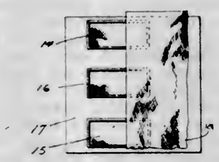
versely at the end of each traverse of the carriage.

2,495,703

MEANS FOR VISUAL INSPECTION BY COMPARISON WITH A SERIES OF THREE-DIMENSIONAL PICTURES

Albert E. Dennis, United States Army, Philadelphia, Pa.

Application September 7, 1945, Serial No. 615,059
5 Claims. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



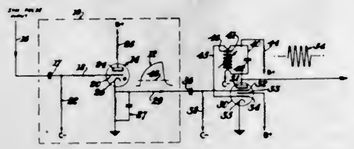
1. An inspector's chart for side by side visual comparison with the surface of a three-dimensional object, said chart comprising a plurality of three-dimensional photographs of specimens corresponding to such three-dimensional object, said three-dimensional photographs being mounted on a backing in assembled relation, each of said three-dimensional photographs producing a depth image when viewed through an analyzer, at least one of said three-dimensional photographs being the photograph of an imperfect but acceptable specimen having physical three-dimensional surface characteristics placing it not below the borderline of a predetermined standard of acceptability, and at least one other of said three-dimensional photographs being the photograph of an imperfect and unacceptable specimen having physical three-dimensional surface characteristics placing it below the borderline of said predetermined standard of acceptability; whereby the acceptability of such object in accordance with its visually observable three-dimensional surface characteristics may be determined.

2,495,704

CONSTANT AMPLITUDE WAVE TRAIN GENERATOR

Louis A. de Rosa, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application November 30, 1942, Serial No. 467,341
9 Claims. (Cl. 250—36)



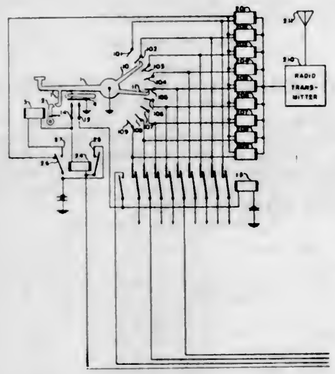
5. A system for producing a wave train having a series of oscillations of substantially constant amplitude comprising an electron discharge device having two separate input circuits, a tuned oscillatory circuit and a source of energy coupled in the output circuit of said device, a source of impulses, means for applying impulses from said source to one of said input circuits to vary the conductance of said device whereby damped oscillations are generated in said tuned circuit, means coupled between said tuned circuit and the other of said input circuits for deriving oscillations having a rising characteristic corresponding to the decaying characteristic of the oscillations in said tuned circuit.

2,495,705

MULTIPLE FREQUENCY TELEGRAPH SYSTEM

Lucien Devaux, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application May 13, 1947, Serial No. 747,698
In France December 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 18, 1963
11 Claims. (Cl. 178—51)



1. A printing telegraph system comprising a first station, a plurality of sources of different frequencies at said first station, transmitter means at said first station, selector means at said first station adapted to apply the outputs of different combinations of said sources to said transmitter means for simultaneous transmission of selected frequency combinations, each selected combination representing a character reproduceable by a teleprinter, a second station, receiver means at said second station, a plurality of receiving devices each adapted to respond selectively to a respective one of said frequencies when received over said receiver means, the number of said devices corresponding to the number of sources at said first station, a plurality of translating devices, one for each of said combination of frequencies, switch means controlled by said receiving devices for actuating a respective translating device in accordance with the combination of frequencies received, a distributor at said second station, means including said distributor and said translating devices for translating each frequency combination into a train of teleprinter code impulses corresponding to a respective character, and printing means selectively responsive to said trains of impulses for printing said respective characters.

2,495,706

VEGETABLE GEL

Letta I. De Voss and Arthur C. Beckel, Peoria, and Paul A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application October 29, 1947, Serial No. 782,941
7 Claims. (Cl. 99—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

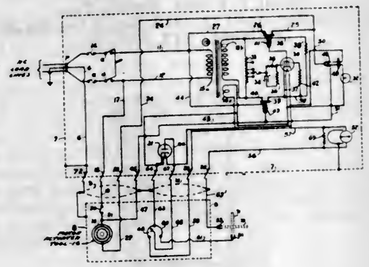
1. A process comprising extracting a sufficient quantity of an ethanol-extracted proteinaceous soybean residue with water to obtain an aqueous solution containing at least 5 percent proteinaceous material.

2,495,707

TRIBOELECTRIC METAL IDENTIFIER

Antony Doschek, Crafton, Pa.

Application June 29, 1945, Serial No. 602,378
12 Claims. (Cl. 175—183)



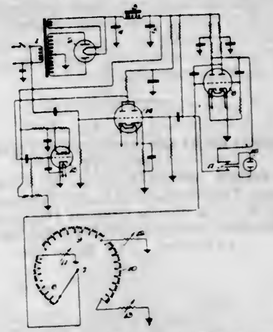
1. A method of comparing two pieces of metal from the standpoint of their chemical and/or metallurgical composition, which consists in including each such piece in a metallic circuit, completing such circuit by placing such pieces in contact with each other, balancing out of such circuit such current flow, if any, as takes place at the completing of said circuit, occasioning relative movement between said pieces while maintaining them in contact and in ascertaining the current flow, if any, in said circuit during such movement.

2,495,708

ELECTRICALLY CONTROLLED FLICKER FUSION TESTING APPARATUS

Rupert H. Draeger, United States Navy, and Herbert Friedman, Arlington, Va.

Application March 24, 1944, Serial No. 527,992
1 Claim. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



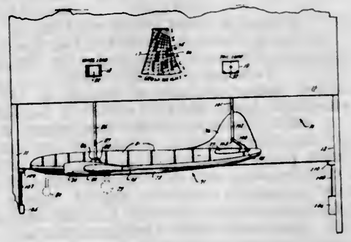
A flicker fusion testing apparatus comprising a portable case, a multivibrator having an input and an output circuit, mounted within the case, a double triode tube mounted within the case, means to connect one grid of the double triode tube to a 60 cycle power line, means to apply pulses from the multivibrator to the other grid of the double triode, means to indicate the resulting beat frequency of the double triode tube including an electron ray indicator connected to the plate circuit of the double triode, means including manual adjustable resistors associated with the multivibrator and operable to control the output frequency of the multivibrator, the frequency of the flashes of the indicator being varied correspondingly to the variations of the output circuit of the multivibrator.

2,495,709

WEIGHT AND BALANCE TRAINING MODEL

Clifford F. Drown, Oklahoma City, Okla., Norman H. Zimmerman, University City, Mo., and William C. Ross, Dayton, Ohio

Application August 20, 1946, Serial No. 691,674
6 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A weight and balance aircraft training aid comprising; a framework housing a wing load indicator, a tail load indicator, a rotatable sector card having gross weight and percent M. A. C. scales thereon and an indicator pointer operative over the scales of said sector card, the said

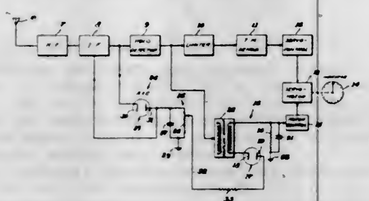
wing load indicator and the said sector card being operatively joined, and the said tail load indicator and the said indicator pointer being operatively joined; and means suspending a small scale model airplane in the said framework, said means comprising an attaching means between the wing portion of the said model airplane and the said wing load indicator, and another attaching means between the tail portion of the said model airplane and the said tail load indicator whereby weight distributed along the fuselage will demonstrate the effects on the model airplane by indications of the wing load, tail load, gross weight and C. G. in percent M. A. C.

2,495,710

RADIO BEACON RECEIVER CONTROL CIRCUIT

Lester Dubin, Mount Vernon, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application March 9, 1946, Serial No. 653,264
10 Claims. (Cl. 343—106)



1. In a receiver for a radio system of the type wherein signals are emitted in the form of a directional beam having substantially the field pattern of a symmetrical lobe having maximum amplitude at the line of symmetry thereof in which the signals have characteristics related to the direction of the beam: means for receiving signals as the lobe shifts angularly past the receiver including a detector; a beam direction indicator, rotary follow-up means responsive to the received signals for producing indications on said indicator in accordance with the said shift, and means responsive to voltage derived from signals occurring substantially along the line of symmetry of said beam to control the operability of said indicator.

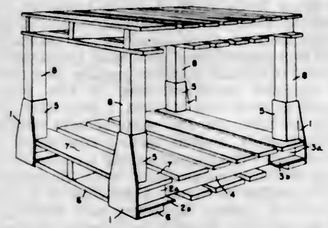
2,495,711

PALLET STACKING GUIDE

George E. Fletcher, United States Navy

Application May 14, 1945, Serial No. 593,585
9 Claims. (Cl. 248—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A pallet stacking guide comprising a vertically disposed portion, a pair of horizontally disposed arms extending perpendicularly from and connected to said vertical portion and comprising parallel portions spaced apart and adapted to embrace a joist of a pallet, said arms having upper and lower portions adapted to be disposed between and to substantially engage respectively the upper and lower decks of the pallet, the lower portion of each of said arms comprising a horizontally disposed flange adapted to overlie and to engage the upper surface of the lower deck of the pallet, and a prop embracing member supported by said vertical portion and overlying and spaced vertically from the arms, said guide being adapted to receive the upper



deck of the pallet in said space between the prop embracing member and the arms.

2,495,712

WALL PICTURE HANGER

Anestis Foltis, Jackson Heights, N. Y.

Application February 27, 1946, Serial No. 650,634
1 Claim. (Cl. 248—32)



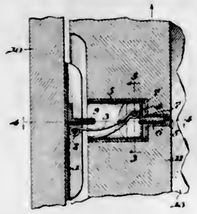
A hanger comprising a member having front and rear walls connected at their bottoms by a curved wall forming a trough, said front and rear walls and said trough sloping downwardly from the middle to the ends thereof, a lip on the top of the front wall projecting forward and downward to facilitate the introduction of the cord into the trough, and curled portions disposed at the middle and ends of the top of the rear wall and presenting openings to receive pins for supporting the hanger.

2,495,713

WINDOW HOLDING DEVICE

Edwin E. Foster, Austin, Tex.

Application April 23, 1946, Serial No. 664,387
12 Claims. (Cl. 292—74)



1. A window holding device comprising a housing provided in a window sash, a friction shoe adapted to slide on a window frame, a double leaf spring in two sections pivotally mounted in the housing and of which one section is connected to the shoe and the other end presses against the inside surface of the housing, and means for adjusting the housing laterally in the window frame to adjust the force which the shoe will exert against the window frame by the spring.

2,495,714

CELLULOSE DERIVATIVE PLASTICIZED WITH AN OILY DIESTER OF A POLYHYDRIC ALCOHOL

Alexander J. Geiges, deceased, late of East Orange, N. J., by Alice S. Geiges, administratrix, East Orange, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application December 13, 1944, Serial No. 568,077
6 Claims. (Cl. 106—180)

6. A plasticized composition of matter suitable for use in coating, sheeting, molding, and impregnating operations comprising a cellulose derivative selected from the group consisting of nitrocellulose, cellulose acetate, cellulose propionate, cellulose butyrate, cellulose acetostearate, cellulose acetomalate, cellulose nitroacetate, ethyl cellulose, butyl cellulose and benzyl cellulose, and, as a plasticizer for said cellulose derivative, a viscous, oily diester of a polyhydric alcohol having at least four hydroxyl groups and of an unsaturated aliphatic, monobasic acid containing more than 9 carbon atoms and more than one double bond per molecule.

2,495,715

CONTAINER AND OPENING KEY

Nelson Geertsen, Chicago, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application November 28, 1944, Serial No. 565,491
4 Claims. (Cl. 220—52)



4. A container having an opening key including a shank having a longitudinal slot therein, and a tearing strip set off by score lines on a wall of said container and terminating in a projecting tongue disposed within the confines of said score lines for engaging the slot in the shank portion of said key, an integral part of said tongue being struck out of the plane thereof to constitute an outwardly extending spring lug on the tongue, said lug being yieldable toward the tongue to permit passage of the key slot over the lug when said tongue is engaged within the key slot, said tearing strip tongue being disposed in reverse folded position over the key shank and against the container wall to project said spring lug outwardly from the plane of the tongue to form a barrier for engaging the key shank adjacent said slot to hold the key against inadvertent displacement from the tongue, and to dispose the projecting spring lug in protected position between the tongue and the container wall.

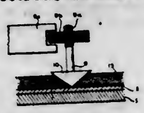
2,495,716

RECTIFIER

Jean M. Girard, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 9, 1946, Serial No. 646,691
In France October 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 13, 1963
10 Claims. (Cl. 175—366)

4. A detector comprising a rigid metallic support forming one electrode, a layer of selenium or other asymmetric material on said support, a flexible insulating membrane over said selenium and a second electrode having a pointed portion



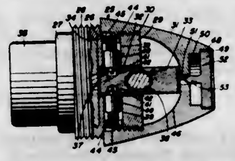
penetrating said membrane and making a point contact with said selenium.

2,495,717

FUSE

Raymond L. Graumann, Alexandria, Va., and William J. Donahue, Jr., Washington, D. C.

Original application July 1, 1942, Serial No. 449,324. Divided and this application December 27, 1946, Serial No. 718,730
1 Claim. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a fuze, a centrifugally turnable detonator-carrier disk, a body having a rectilinear kerf cut through it from a back surface thereof, delineating a pair of lateral parallel walls, by which kerf part of the disk is contained so that the rim of the disk contacts the forward ends only of said parallel walls with a two-point contact, said disk being insertable into the kerf from said back surface and having the adjacent part of its rim substantially flush with said back surface, a nose cap fitted onto the body, having a chamber containing the remaining part of the disk and having a wall with which the front part of the rim of the disk contacts to make a third-point contact, and a booster-carrying thimble fitted into the rear of the body into engagement with the back surface of the body, closing the rear of the kerf and providing a fourth-point contact for the disk.

2,495,718

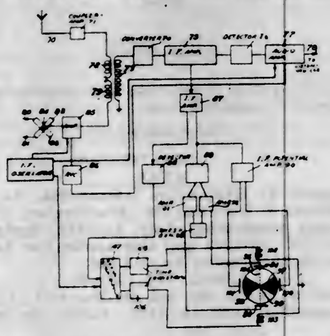
SENSE INDICATOR FOR MANUALLY CONTROLLED RADIO DIRECTION FINDER SYSTEMS

René Hardy, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application July 18, 1947, Serial No. 761,926
In France November 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1961
3 Claims. (Cl. 343—115)

1. For use with a manually operated radio direction finder having sense and directive antenna arrays, and cathode ray tube means having deflection plates and a screen as an indicating device; the combination comprising means for deriving a voltage corresponding to energy picked up by the directive antenna arrays, means for deriving current corresponding to the energy picked up by the directive and the non-directive arrays respectively, means for combining said derived currents, means for relating the phases of said last named currents to one another, means

for establishing a luminous pattern on the cathode ray tube screen, means for controlling the amplitude of said pattern as a function of the mean voltage from said directive antenna, and



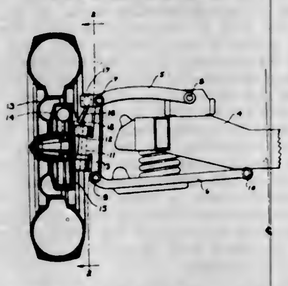
means for controlling the position of said pattern on the screen as a function of the phase relationship of said directive and non-directive array currents.

2,495,719

BRAKE AND SPRING SUSPENSION LINKAGE

Paul Heftler, Grosse Pointe Park, Mich.

Application May 31, 1944, Serial No. 538,131
In Great Britain October 20, 1938
5 Claims. (Cl. 188—2)



1. In a vehicle, a frame, a lever pivoted to the frame, a steering knuckle support pivoted to the lever, a steering knuckle pivoted on the support, a wheel carried by the steering knuckle, braking mechanism including a brake drum connected to the wheel and a brake anchor plate rotatably mounted on the steering knuckle, and a link connecting the brake anchor plate to the lever.

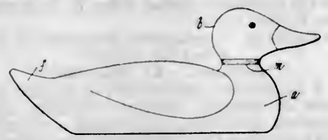
2,495,720

HUNTER'S DECOY

Roy D. Heymann, New Hartford, Conn., assignor, by mesne assignments, to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania

Application April 5, 1945, Serial No. 586,650
1 Claim. (Cl. 43—3)

A hunter's decoy consisting of a body made of felted pulp fibres, said body being in the form of a hollow shell representing the body of a water fowl and having a bottom, sides, top and end walls, all parts of which have the same pulp fibre characteristics rendering the device devoid of seams, the top wall being provided with an abutment defining a restricted opening in the top wall near one end thereof in a position corresponding to the neck of a water fowl, and a second hollow shell having a configuration corresponding to the head of a water fowl, said head having all of its parts formed of felted pulp fibres and devoid of seams and including a neck



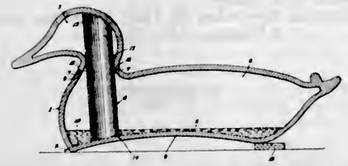
portion, said neck portion having at its upper end a shoulder constituting an abutment when the neck portion is positioned in the opening of the first hollow shell, means for permanently securing the abutting surfaces of the two shells to each other, and a coating of waterproof material on the exterior surface of the hollow shells.

2,495,721

HUNTER'S DECOY

Roy D. Heymann, New Hartford, Conn., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania

Application March 18, 1947, Serial No. 735,479
17 Claims. (Cl. 43—3)



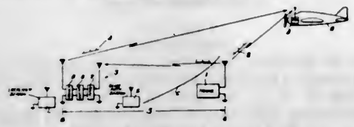
1. In a buoyant decoy having an integral hollow cast pulp body including a bottom wall and an integral hollow cast pulp head separable at the neck of the decoy, a hollow reinforcing tube extending from the inside of the bottom of the body into neck portion of the hollow head, said reinforcing tube snugly fitting the inside of the body and the inside of the head at the neck portion of the decoy and means for non-rotatably anchoring the lower end of the tube to the bottom wall of the body.

2,495,722

DISTANCE INDICATING SYSTEM

Ross B. Hoffman, Glen Ridge, and Paul R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application October 2, 1944, Serial No. 556,720
4 Claims. (Cl. 343—6)



4. A distance indicating system comprising a first transmitter means located at a given point along a course line for transmitting uniformly spaced pulses at a given repetition frequency, a repeater means located at a point spaced a predetermined distance along said course from said

transmitter means for repeating pulses from said first transmitter means, delay means for giving to said repeated pulses a predetermined constant delay, said spacing and said delay being such that the repeated pulses, at points along said course beyond said transmitter means, are effectively delayed by half the period of said repetition frequency, the spacing between said transmitter and said repeater being substantially 30 electrical degrees at said repetition frequency, further comprising receiver means for receiving said transmitted and said received pulses, means for deriving from said received pulses the fundamental frequency at said repetition frequency and the second harmonic of said fundamental and said harmonic frequency waves to produce an indication of the distance of said receiver along said course at points intermediate said transmitter and said repeater.

2,495,723

LIQUID PHASE CRACKING OF HYDROCARBONS WITH WATER-SATURATED CATALYSTS

Harold A. Hormann, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 30, 1947, Serial No. 745,111
10 Claims. (Cl. 196—49)

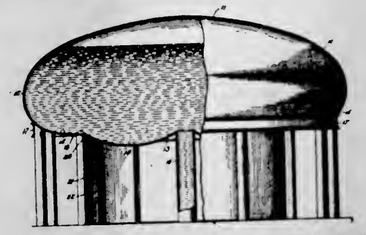
1. The process of treating hydrocarbon fractions heavier than gasoline to convert such fractions into lower average boiling distillate type products without concomitant conversion to substantial quantities of normally gaseous hydrocarbons and coky products, said process comprising contacting such a fraction substantially in the liquid phase with a bed of solid, particulate, adsorptive, active cracking catalyst under mild reaction conditions including a catalyst bed temperature of 200° F. to 700° F., said catalyst as a result of previous treatment with steam being saturated with adsorbed water vapor to its adsorptive capacity under the conditions of temperature and pressure employed in initially contacting said fraction therewith; maintaining reactive contact at substantially liquid phase conditions between said fraction and said catalyst for a period at least sufficient to effect substantial conversion of said fraction, and recovering hydrocarbons resulting from the conversion.

2,495,724

ELEVATED TANK

George T. Horton, Chicago, Ill., assignor to Chicago Bridge & Iron Company

Application January 24, 1945, Serial No. 574,402
2 Claims. (Cl. 220—1)



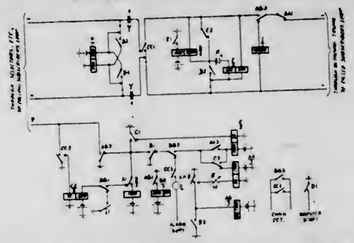
1. A sheet metal tank comprising side, bottom, and top walls with the bottom portion including at least two toroidal shells located in concentric relationship with the adjacent edges of two such shells attached to each other and support means located substantially beneath and supporting said adjacent edges, said shells being so formed that the load vertically above the first such shell and included between the lines of attachment of said edges and the lowest level of the first such shell multiplied by the co-tangent of the angle formed between two lines lying in a plane normal to such attachment, one such line being horizontal and the other being tangent to said shell at the line of attachment thereof to the adjacent shell is substantially equal to the product of the corresponding vertical load and the corresponding cotangent for the attachment of the second shell on the other side of said line of attachment.

2,495,725

PULSE CORRECTING REPEATER

Henry L. Horwitz, Jamaica, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application June 18, 1945, Serial No. 599,984
6 Claims. (Cl. 179—16)



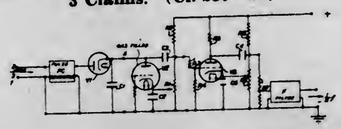
1. In a signaling system, an impulse repeater interposed between an incoming and an outgoing line for repeating direct current impulses impressed upon said incoming line and for passing supervisory signals in the talking circuit upon termination of the pulsing period, said repeater comprising a pair of talking conductors interconnecting said lines, a source of direct current for each of said lines, a blocking condenser disposed in each of said conductors for confining said direct currents to the respective incoming and outgoing lines, an impedance bridge including a relay with balanced windings disposed across the conductors connected to the outgoing line for passing the supervisory signals, and means for connecting said windings either in parallel or in series depending on the polarity of the current of said outgoing line.

2,495,726

FREQUENCY DIVIDING ARRANGEMENT

Leslie Wilfred Houghton and Dermot Min Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

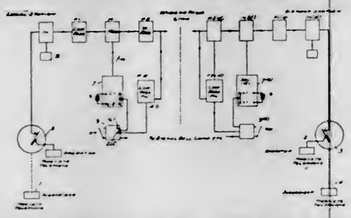
Application May 9, 1944, Serial No. 534,836
In Great Britain May 12, 1943
3 Claims. (Cl. 250—27)



2. In a device for obtaining as the output thereof a frequency which is a predetermined sub-

multiple of a given input frequency, in combination, a differential circuit and connections whereby said circuit derives from said input frequency differential pulses of constant amplitude, shape and duration, energy storing means to which said differential pulses are applied, energy discharging means comprising said storing means and a gas discharge device connected thereto, means for adjusting the critical discharge voltage of said discharge device so that after reception of a predetermined number of pulses by said condenser the voltage thereacross initiates a gas discharge to provide a discharge path for said condenser, and means for limiting the amplitude of the pulses produced by said discharge through said discharge device.

2,495,727
SPEECH PRIVACY APPARATUS
Henry Parks Hutchinson, Washington, D. C.
Application January 7, 1943, Serial No. 471,580
7 Claims. (Cl. 179—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a system of the nature described, a communication apparatus, a plurality of communication channels fed by said apparatus, an oscillator connected into each of said channels, a switch between said apparatus and said oscillators for selectively connecting said apparatus and one of said oscillators while disconnecting said apparatus from the other of said oscillators, a translating device associated with each of said oscillators for selecting a channel controlled by said switch, a source of power for said translating devices, means for controlling the operation of said translating devices said last-mentioned means providing an unpredictable sequence of controlling impulses, and a second switch between said last-mentioned means and said translating devices arranged to disconnect said means from an operative translating device and to connect the same to an inoperative translating device.

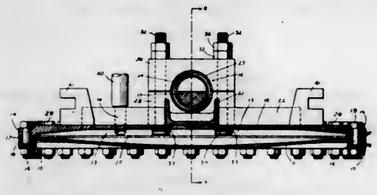
2,495,728
COMPOSITION FOR REMOVING PAINT AND VARNISH FROM COATED SURFACES
Canfield Hutson, James C. Kidd, and Carl E. Blair, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 10, 1945, Serial No. 621,596
1 Claim. (Cl. 252—161)

A homogeneous liquid composition adapted for the removal of dried paint, varnishes and adhesives from coated surfaces, comprising 3.5 to 5.5 parts by weight of cellulose acetate, 10.5 to 16.5 parts by weight of acetone, 1.0 to 2.5 parts by weight of paraffin wax, 0.6 to 0.9 part by weight of a surface active agent soluble in the solvent of said composition, comprising the dioctyl ester of sodium sulfosuccinic acid, 5.5 to 9.0 parts by weight of benzene, 12.0 to 18.0 parts by weight of tetramethylene oxide and 6.0 to 9.0 parts by weight of ethyl acetate.

2,495,729
METHOD OF REMOVING COATINGS FROM SURFACES
Canfield Hutson, James C. Kidd, and Carl E. Blair, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 30, 1945, Serial No. 632,135
4 Claims. (Cl. 134—4)

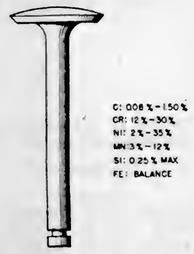
4. Process for the removal of dried paint, varnishes and adhesives from coated surfaces, which comprises applying thereto to form a film thereon a mixture of 32 to 40 parts by weight of a 25% solution of cellulose acetate in acetone, 0.75 to 2.5 parts by weight of paraffin wax, 10.0 to 16.0 parts by weight of carbon tetrachloride, 9.0 to 15.0 parts by weight of ethylene dichloride, 6 to 9 parts by weight of a substantially equal mixture of propyl alcohol and butyl alcohol and 3.0 to 4.5 parts by weight of ethyl acetate, removing the softened paint, varnish or adhesive together with the cellulose acetate film formed thereon, applying a wash coat comprising 32.0 to 40.0 parts by weight of a 25% solution of film forming cellulose acetate in acetone, 36.0 to 48.0 parts by weight of ethylene dichloride, 24.0 to 36.0 parts by weight of a substantially equal mixture of propyl alcohol and butyl alcohol, 0.375 to 0.5 parts by weight of titanium oxide and 7.5 to 11.0 parts by weight of carbon disulphide, and removing the traces of the paint, varnish or adhesive together with the cellulose acetate film formed thereon.

2,495,730
UNDERWATER SOUND GENERATOR
John M. Ide, Washington, D. C.
Application November 12, 1943, Serial No. 510,042
4 Claims. (Cl. 116—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



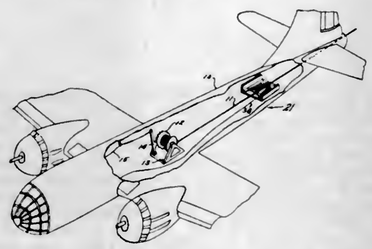
1. An under-water sound generator comprising a rigid vibrating compressional-wave generating diaphragm rigid throughout its radial extent to and including a rigid peripheral margin so that the entire diaphragm and its peripheral margin will move as a unit, a flexible diaphragm carried solely by the rigid diaphragm, said diaphragms being joined at their peripheral margins with the rigid diaphragm forming the main body portion of the assemblage so that the assemblage as a whole forms a disk shaped structure of relatively narrow edgewise aspect, and means for vibrating the flexible diaphragm as a whole to vibrate the flexible diaphragm carried thereby, together with a body of gas between the diaphragms under a pressure in excess of ambient pressure and in communication with a body of gas at the same super ambient pressure and of several times the volume of the space between the diaphragms, whereby vibration of the rigid diaphragm will cause the flexible diaphragm to vibrate 180 degrees out of phase with the rigid diaphragm.

2,495,731
STAINLESS STEEL RESISTANT TO LEADED FUELS AT HIGH TEMPERATURES
Paul A. Jennings, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
Application April 7, 1948, Serial No. 19,480
11 Claims. (Cl. 75—128)



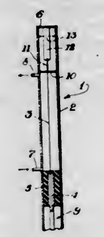
1. Stainless steel having substantial hardness at high temperatures and substantial resistance to corrosion in the presence of leaded fuel combustion products, and containing about 0.40% to 1.50% carbon, about 12% to 35% chromium, about 2% to 35% nickel, about 3% to 12% manganese, all in such relative proportions as to assure a substantially fully austenitic structure, silicon not exceeding about 0.25%, and the remainder substantially all iron.

2,495,732
TOW CABLE CUTTER
Le Roy S. Jessen, Dayton, Ohio
Application May 3, 1946, Serial No. 666,935
9 Claims. (Cl. 164—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. A cutter for cutting the cable used on a towing plane in towing another plane wherein the former plane includes cable fastening means normally holding the cable in its towing position, said cutter comprising a support secured on the towing plane, companion levers and a bolt fixed on one lever and swingably engaging the other lever for mounting them swingably and slidably on the support, the bolt and the lever swingably engaged thereby containing a pair of aligned passages provided with a pair of cutting edges, said passages being adapted to receive the cable slidably therein, means holding said levers and bolt with the cutting edges in the idle position around the cable, a pair of converging guide means on the support and means on the levers cooperating therewith to provide a camming effect on the moving levers, means for initially urging the levers into cutting position, and means selectively operable to release both the levers and the cable holding means, so that the force of drag exerted by the towed plane on the cable will be utilized to cause continued movement of the levers in promptly and completely cutting the cable.

2,495,733
RADIO-FREQUENCY ARTIFICIAL LOAD
Armig G. Kandoian, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 22, 1945, Serial No. 600,859
7 Claims. (Cl. 171—95)



2. An artificial dissipating load comprising a coaxial line having a hollow outer conductor and an inner conductor, a water tight insulating means between said inner and outer conductors at one end of said line, a short-circuiting means forming a second water tight connection between said inner and outer conductors spaced from said insulating means a predetermined distance such that said line is effectively a plurality of wavelengths long at the operating frequencies, fluid inlet and outlet means in said outer conductor between said insulating means and said second water tight means for circulating water dielectric through the chamber formed by said outer conductor, impedance transformer means coupled to said coaxial line at said one end for transforming the impedance of said coaxial line to that of a transmission line to be coupled thereto, a resistance means in said inner conductor adjacent said short-circuiting means, and slidable short-circuiting connection intermediate said resistance means and said short-circuit means whereby the impedance of said coaxial line may be adjusted.

2,495,734
ELECTRICAL CONNECTING LUG
Jacob Katzman and Philip Dubilier, New York, N. Y.
Application January 1, 1945, Serial No. 570,862
3 Claims. (Cl. 173—324)

1. As a new article of manufacture, in combination, a waxed carrier having an adhesive repellant surface, a plurality of flat terminal members arranged in spaced relation on said adhesive repellant surface of the carrier, and a longitudinal strip of insulation material overlying a portion

of all of said terminal members, said strip having a tacky surface in engagement with said terminal members and said adhesive repellant surface of



the carrier, said strip being provided with separable portions extending across said strip substantially midway between successively adjacent terminal members.

2,495,735

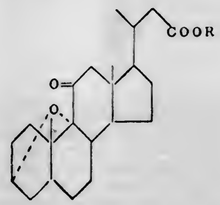
PROCESS FOR PREPARING LOWER ALKYL ESTERS OF 3-HYDROXY-11-KETO-12-BROMONORCHOLANIC ACID

Edward C. Kendall, Rochester, Minn., assignor to Research Corporation, New York, N. Y., a corporation of New York

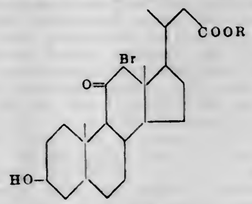
No Drawing. Application February 19, 1947, Serial No. 729,668

2 Claims. (Cl. 260—397.1)

1. The process comprising reacting a compound of the formula:



wherein R is a lower alkyl group with hydrobromic acid and recovering a compound of the formula



2,495,736

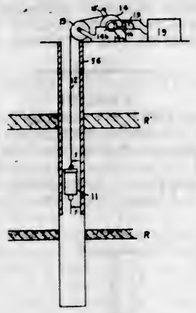
RADIANT ENERGY ACTIVATION

Shelley Krasnow, Arlington County, Va., and Leon F. Curtiss, Montgomery County, Md., assignors, by mesne assignments, to said Krasnow

Original application October 24, 1939, Serial No. 301,078. Divided and this application March 3, 1942, Serial No. 433,212

11 Claims. (Cl. 250—83.6)

1. In a method for indicating conditions within a borehole, the steps of introducing radioactive material in such manner that the said material is retained within the borehole, and of subsequently measuring the radioactive intensity at different portions of the borehole, the measurement so obtained indicating the locality of the material re-



tained, the locality of the said material serving to indicate conditions within the borehole.

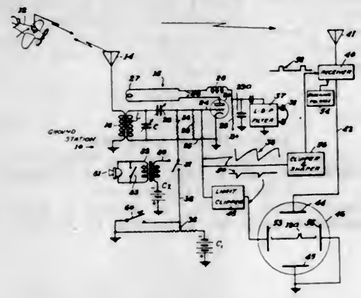
2,495,737

RADIO LOCATING AND SIGNALING SYSTEM

Emile Labin, New York, and Donald D. Grieg and Arnold M. Levine, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 6, 1943, Serial No. 509,230

11 Claims. (Cl. 343—6)



1. A radio system comprising an oscillator circuit operable to transmit regularly recurring pulse-defining waves, said oscillator circuit having a time constant control means for controlling the rate of cyclic operation thereof, said control means providing for a flow of current the voltage wave of which, at least in part, resembles a saw-tooth wave, means to detect echo reflections of the pulse waves caused by the presence of a craft, said means for detecting echo reflections including a radio receiver, means for normally blocking said receiver, means for clipping and shaping a portion of said saw-tooth voltage wave to provide an unblocking voltage for said receiver, means for applying said unblocking voltage to said receiver, a cathode ray oscillograph, means for clipping the saw-tooth portion of said voltage wave, and means for applying the saw-tooth voltage obtained by the clipping means to the sweep circuit for said oscillograph.

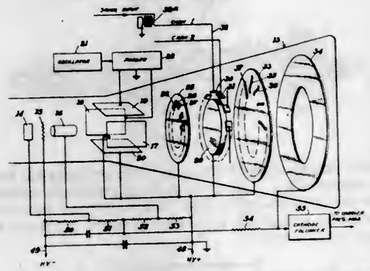
2,495,738

CATHODE-RAY PULSE TIME MODULATION MULTIPLEX SYSTEM

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application December 9, 1944, Serial No. 567,414

30 Claims. (Cl. 332—13)



1. In a multichannel pulse modulator, means to produce a beam of electrons, means to cause the beam to have a given sweep movement, a plurality of signal channel input circuits, means associated with said input circuits to control deflection of the beam successively during its sweep movement according to increments of the input signals of said circuits, and beam responsive means to produce pulses of energy time modulated according to the corresponding signal deflections of said beam, said means for controlling deflection of the beam including means to provide a given beam deflection potential, and means to control according to said input signals the acceleration of the electrons of the beam in passing through the field of said deflecting potential.

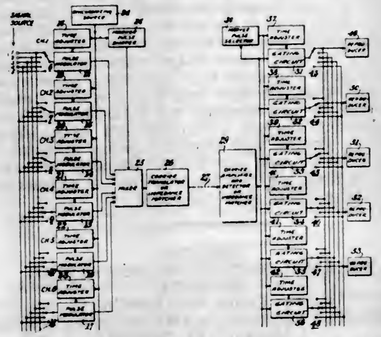
2,495,739

SELECTABLE BAND WIDTH ELECTRICAL PULSE MULTICHANNEL COMMUNICATION SYSTEM

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application April 2, 1945, Serial No. 586,228

2 Claims. (Cl. 179—15)



1. In a communication system of the kind wherein a signal wave is represented by one or more modulation pulses, a plurality of pulse modulation channels each having a predetermined band width, means to render said channels effective at a predetermined repetition rate, a plurality of separate signal sources, a plurality of switches each having a movable arm and a plurality of contacts, means coupling each source to one of the contacts of each switch, and means connecting each channel to a separate one of the switch arms whereby upon movement of the switch arms each source may be selectably connected in parallel to certain of said channels whereby different modulation band widths may be used for certain signals without changing said repetition rate.

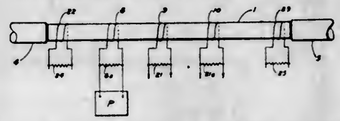
2,495,740

MAGNETOSTRICTIVE TIME-DELAY DEVICE

Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application July 9, 1945, Serial No. 603,952

1 Claim. (Cl. 178—44)



A time delay device comprising a polarized magnetic bar of the type having magneto-striction properties, an input element attached at a point of the bar, said element being of the type which creates magneto-striction energy in the bar in response to electrical energy impressed on the element, an output element attached at a point of the bar spaced at some distance from the input element, said output element being of the type which develops electrical energy in response to the magneto-striction energy passing along the bar, said bar having a coil in magnetic relation with it at an end thereof, the coil being closed through a resistance of value low compared to the impedance of said output element so as to allow enough current to flow in response to the magneto-striction energy in the bar, to absorb all of the magneto-striction energy arriving at said end, the damping impedance of said coil and resistance being matched to the mechanical impedance of said bar.

2,495,741

PERIODICALLY VARYING REACTANCE DEVICE

Emile Labin and Michel C. Poylo, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application July 11, 1945, Serial No. 604,330

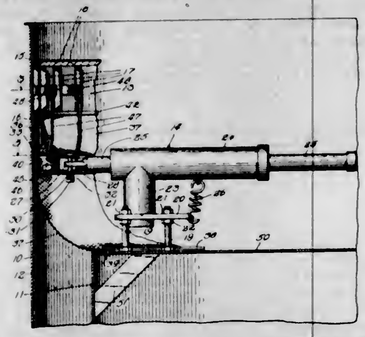
5 Claims. (Cl. 171—242)



1. A periodically varying reactance device comprising a tuning element for tuning a circuit to a given frequency band comprised of two portions forming a tunable field unit, and a disc of

insulating material having an irregularly shaped electro-conductive portion on each side thereof, said disc being rotatably disposed in said field intermediate the said portions of said tuning element to vary the tuning characteristic in accordance with the shape of the conductive portions thereof.

2,495,742
SEAL SUPPORT FOR FLOATING ROOF TANKS
Michael N. Lebedeff, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application May 15, 1946, Serial No. 669,905
3 Claims. (Cl. 220—26)



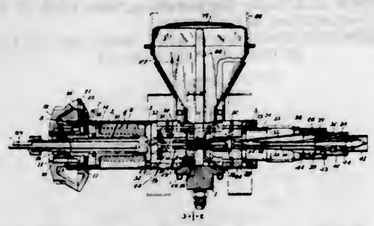
2. In a floating roof tank comprising a shell, a floating roof therein, sealing means held in sealing relationship with the shell including a flat sheet metal plate having vertical flexures therein, and support means for supporting the sealing means including a member supported on the roof extending toward the shell, an upstanding arm supported by the extending member and a substantially horizontal leaf spring carried by the arm and supported at its center with the ends of the arm supporting the sheet metal plate at a pair of said flexures.

2,495,743
ALCOHOL DERIVATIVES OF SUBTILIN
James C. Lewis and Eugene F. Jansen, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture
No Drawing. Application February 3, 1948, Serial No. 6,104
10 Claims. (Cl. 167—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

7. An ester of subtilin and an alcohol containing 1 to 4 carbon atoms.

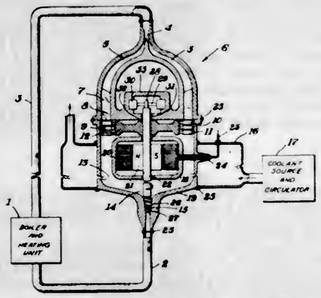
2,495,744
REACTANCE TUNING DEVICE
Charles V. Litton, Redwood City, Calif.
Application November 1, 1945, Serial No. 626,131
2 Claims. (Cl. 250—27.5)

1. A capacitance varying element for a multicavity-resonator magnetron having a plurality of vanes radially disposed about an axis and in electrical operative relation at their outer ends with a substantially circular conductor to form a plurality of cavity resonators, said vanes being spaced from each other in a circle about the axis, comprising a C-ring including a unitary metallic body having a plurality of conducting members also radially disposed about an axis and similarly spaced from each other in substantially the same circle about the axis, said conducting members being mounted adjacent the inner portions of the



vanes, and a support for said unitary metallic body for connecting said C-ring to a common adjustable support whereby said members may be moved axially as a unit to a predetermined position between said vanes.

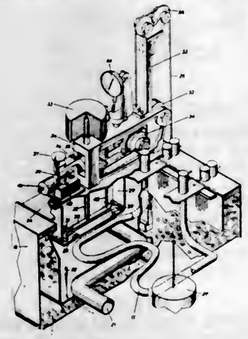
2,495,745
SMALL TURBINE GENERATOR
Charles V. Litton, Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 20, 1946, Serial No. 649,065
3 Claims. (Cl. 290—52)



1. A mercury turbine-electric generator-mercury pump combination, comprising a vapor-sealed housing, a mercury turbine with rotor shaft in said housing rotatable about a substantially vertical axis, an electric generator internal to the vapor-sealed housing of said turbine and driven by said rotor shaft, conducting means electrically coupling said generator to external circuits through said housing, reservoir means internal to said housing for collecting mercury condensed therein, a combination lower thrust bearing system and mercury pump internal to said housing, and a yieldable alignment bearing and limiting bearing combination for positioning the upper end of said rotor shaft.

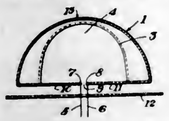
2,495,746
THERMAL DISTORTION MEASURING MACHINE
George Lubin, New York, N. Y.
Application February 19, 1945, Serial No. 578,762
7 Claims. (Cl. 73—15.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. In a thermal distortion testing device, the combination of a movable frame, a specimen holder attached to said frame, retaining means for securing to said holder a specimen to be distorted, means for furnishing controlled heat to said specimen, variable weighted means arranged to apply distorting pressure to the specimen through said frame, a temperature recording mechanism, and a micrometer



device attached to and transmitting the motion of said variable weighted means, a switch responsive to predetermined movement of said micrometer device, said micrometer activating said switch and time recording mechanism in response to the motion of said weighted means and micrometer device through a predetermined distance due to the distortion of said specimen.

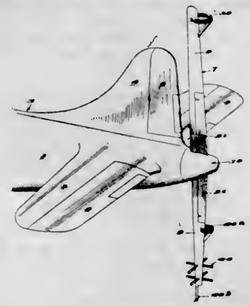
2,495,747
ANTENNA
Frank J. Lundburg, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 8, 1945, Serial No. 627,489
13 Claims. (Cl. 250—33.57)



11. An antenna array comprising at least two antennas disposed substantially side-by-side and arranged to produce mutually non-interfering radiation patterns in a given direction, each comprising: a pair of radiant energy-feeding members disposed in one plane and spaced to form a slot between the ends of said feeding members, transmission line means arranged to feed energy to said feeding members at opposite sides of said slot, and a radiating member conductively connecting the two furthest opposite edge portions of said feeding members having a contour which is at least a part of a semi-circle in a plane perpendicular to that of said feeding members, whereby substantially zero radiation will be obtained transversely of the array.

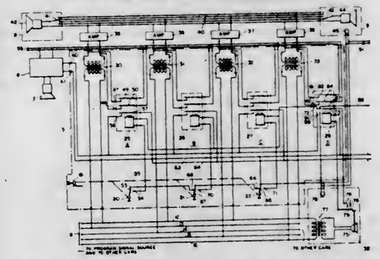
2,495,748
ANTENNA INSTALLATION ON AIRPLANES
Carroll H. Matson, Middle River, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application January 24, 1949, Serial No. 72,488
6 Claims. (Cl. 250—33)

6. An antenna mounting for use on an airplane, comprising an antenna mast, means pivotally mounting said mast on the airplane, said mast comprising a main body portion and a control surface hinged thereto along an axis generally perpendicular to the normal line of flight



of said airplane, and means controllable from within the airplane for selectively moving said control surface relative to the main body portion to cause, under flight conditions, rotation of the mast relative to the airplane.

2,495,749
CONTROL CIRCUIT FOR RAILROAD PASSENGER ENTERTAINMENT SYSTEMS
Louis F. Mayle, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 30, 1947, Serial No. 744,933
10 Claims. (Cl. 179—1)

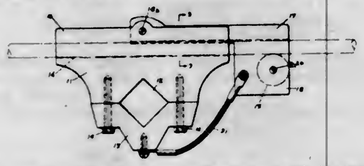


1. A program distribution system comprising, a first loud-speaker, a second loud-speaker, a plurality of communication channels having different program material impressed thereon, relay means selectively controllable for coupling said first loud-speaker to any of said channels, relay control switches operable one at a time to selectively control said relay means, whereby to effect the reproduction by said first loud-speaker of the program material on any of said channels, and means including a selector switch for coupling said second loud-speaker to any of said channels independently of the operation of said relay means.

2,495,750
CURRENT COLLECTING CONSTRUCTION
Joseph Milazzo, New York, N. Y.
Application August 20, 1945, Serial No. 611,673
6 Claims. (Cl. 191—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A current collector comprising a current-collecting shoe having a longitudinally extending

groove in the upper portion thereof for contacting the lower side of a current conductor, a conductor retaining member having a longitudinally extending groove in the lower portion thereof, said retaining member being removably and pivotally connected adjacent one end of the upper portion of said shoe for contacting the upper side of said current conductor, said retaining member having a contacting part in superposed relation with respect to said shoe and extending beyond one end thereof, side members carried by said retaining member and projecting below said conductor, and a roller detachably mounted between said side members and positioned vertically below said retaining member to engage the lower side of said current conductor.



2,495,751

CONVERSION OF HYDROCARBONS WITH MODIFIED CLAY CATALYSTS

George Alexander Mills, Ridley Park, and Edward B. Cornelius, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 30, 1946, Serial No. 666,180
8 Claims. (Cl. 196—52)

1. The process of converting hydrocarbons of higher boiling range to products in the boiling range of gasoline which comprises subjecting the higher boiling hydrocarbons under catalytic cracking conditions to contact with a catalyst comprising the product prepared by a process including extracting clay with acid to dissolve a portion thereof constituting a substantial quantity of its aluminum content, leaving an undissolved clay residue comprising silica and alumina, purifying the thus obtained acid extract solution by removing iron compounds therefrom, compositing the undissolved clay residue with gel formed by precipitation with an alkali metal silicate of the dissolved aluminum salts in the purified solution, said precipitation being effected in the presence of said undissolved clay residue, freeing the obtained composite of water soluble salts, and calcining the composite.

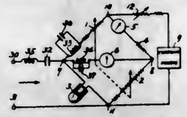
2,495,752

ARRANGEMENT FOR MEASURING ELECTRIC POWER

William Alan Montgomery, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application June 30, 1945, Serial No. 602,449
In Great Britain June 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 16, 1964
7 Claims. (Cl. 171—95)

1. An arrangement for measuring electric power comprising a fixed resistance connected in one arm of a Wheatstone bridge, a temperature dependent resistance connected in the arm opposite to said one arm of said Wheatstone bridge, two adjustable resistances connected in the remaining two opposite arms of said Wheatstone bridge, means for simultaneously adjusting said adjustable resistances so as to maintain their ratio constant, means for supplying input electric current to one pair of diagonal points of said bridge, means connected between the other pair of diagonal points for detecting the difference of potential, means for subjecting the temperature dependent resistance to the electric waves whose power is to be measured, and means for measuring the power dissipated in said fixed resistance, said adjustable resistances being adjusted whereby said bridge is balanced and the power dissipated in said temperature dependent resistance is directly proportional to the power dissipated in said fixed resistance.

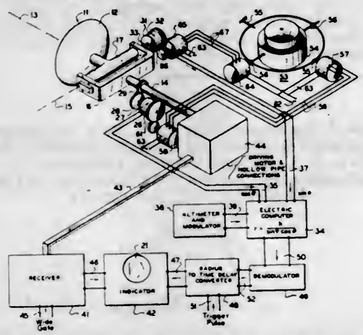


2,495,753

GROUND TARGET ELIMINATION

Robert F. Mozley, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application April 12, 1943, Serial No. 482,807
28 Claims. (Cl. 343—11)



23. The method of aircraft runway approach which comprises scanning the space ahead of an aircraft continuously with a radio beam, detecting reflected beams with a receiver, and eliminating the response of the receiver to beams reflected from the ground surface, whereby the detection of a reflected beam indicates the presence of an obstacle and warns a pilot to postpone landing or change the angle of runway approach accordingly.

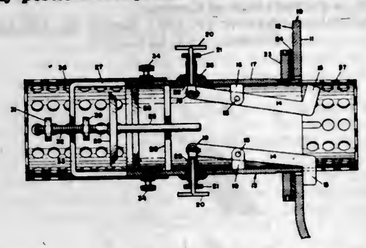
2,495,754

SALVAGE VALVE

Clarence R. Nance, United States Navy

Application September 4, 1945, Serial No. 614,325
3 Claims. (Cl. 114—198)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a valve, a body portion providing a bore for the passage of fluid, a threaded portion on said body, means for securing said valve through an orifice, said means comprising a plurality of supports fixed to the body portion in spaced relation within the bore, angular dog members individually mounted for pivotal movement on said supports, means for pivotally and individually moving each of said angular dog members from a position wholly within the outline of the body portion to a position beyond the outline of the body portion and means cooperating with the angular dog members for clamping the valve to the material about the orifice, said last named means comprising a threaded flange movable along said threaded portion of said bore.

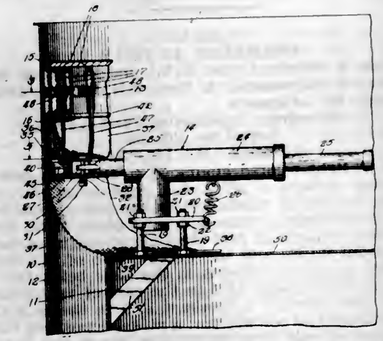


2,495,755

SEAL FOR FLOATING ROOF TANKS

Clifford M. Orr and Fred L. Goldsby, Chicago, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois

Application May 4, 1946, Serial No. 667,393
14 Claims. (Cl. 220—26)



2. In a floating roof tank comprising a shell and a floating roof therein, sealing means comprising: a first sealing member held against the inner surface of the shell; a secondary sealing member arranged above the first sealing member and comprising a flat metal sheet having top and bottom marginal areas bent back from the vertical with said marginal areas having a plurality of spaced, substantially vertical slits therein, and said metal sheet has spaced, substantially vertical flexures therein located between said marginal areas; spaced hanger members located around the edge of the roof with each hanger member comprising a portion extending toward the shell of the tank; a first spreader bar arranged substantially horizontally and supported at substantially its center by the outer end of said portion; a pair of substantially horizontal second spreader bars each supported at its center by one end of the first spreader bar; means mounted on the first sealing member and attached to an end of one of the second spreader bars for supporting the first sealing member; means mounted on the second spreader bars and attached to the secondary sealing member for supporting said sealing member; a flexible sealing member extending between the roof and first sealing member; and a second flexible sealing member extending between the first sealing member and the secondary sealing member.

2,495,756

PROCESS OF NEUTRALIZING PECTINIC ACID

Harry S. Owens, Rolland M. McCready, and William D. Maclay, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application September 14, 1945, Serial No. 616,446
1 Claim. (Cl. 260—209.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process of increasing the solubility of a low-methoxyl pectinic acid comprising contacting said low-methoxyl pectinic acid in the solid state with gaseous ammonia as a neutralizing agent at room temperature for from 30 seconds to 10 minutes, whereby said acid is neutralized.

2,495,757

LOW-METHOXYL POLYVALENT METAL PECTINATE FIBERS

Harry S. Owens, Berkeley, and Harry Lotzkar, Los Angeles, Calif., assignors to United States of America as represented by the Secretary of Agriculture

No Drawing. Application November 22, 1946, Serial No. 711,763
3 Claims. (Cl. 260—209.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

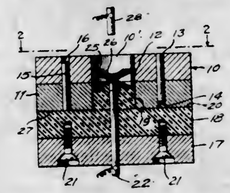
2. An artificial fiber having a dry tensile strength not less than about 20,000 pounds per square inch cross section comprising essentially a filament of a polyvalent metal salt of a pectinic acid having a methoxyl content of 3 to 7.9%.

2,495,758

WELDING JIG

Alfred G. Parker, Summit, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application June 22, 1948, Serial No. 34,390
10 Claims. (Cl. 219—4)



1. A jig for the electric resistance welding together of the bodies of two articles each having a body with a peripheral edge, the bodies being of such shape and of such material that they are bendable in a direction away from one another without deformation of said bodies, said jig comprising two separate work holding members so associated that they are movable away from one another in opposite directions, each work holding member having a passage therethrough, the passages of said members being in axial alignment, the relative transverse size of said passages and said articles being such that the peripheral sur-

face of the passages and the peripheral edge of the articles engage one another, and positioning means adapted to position one of the articles within the passage of one of the work holding members with the peripheral edge of said one article in engagement with the peripheral surface of the passage of said one member and position the other article so that the peripheral edge thereof is in engagement with the peripheral surface of the passage in said other member when the bodies of the articles abut one another.

2,495,759
CORK COMPOSITION AND METHOD OF MAKING

Herbert Paschke, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

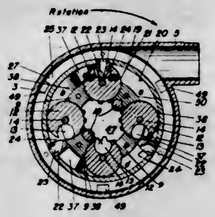
No Drawing. Application September 12, 1946, Serial No. 696,623
13 Claims. (Cl. 260—7)

2. A cork composition comprising by weight 100 parts of compressed cork granules, 5 to 30 parts of glycerine and the heat reaction product of 2 to 15 parts of glue, 1 to 15 parts of resorcinol and a sufficient amount of paraformaldehyde, between ¼ and 7½ parts, to combine with the resorcinol and to tan the glue.

2,495,760
ROTARY PUMP FOR HIGH-ALTITUDE AIRCRAFT

Isadore Irving Pinkel, Cleveland, Ohio

Application May 17, 1946, Serial No. 670,407
22 Claims. (Cl. 103—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

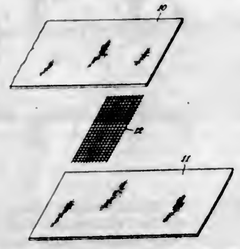


1. A rotary positive displacement pump comprising a pump case, an impeller rotatably mounted in said case, a stator concentric with said pump case and impeller, said stator being fixed relative to said pump case, one or more rotatable abutments mounted on said stator which, together with impeller teeth rigidly fixed to said impeller, form the radial limits to the pump chambers, which pump chambers alternately increase in volume and are subsequently reduced to substantially zero volume as the impeller teeth move away, through, and toward said rotary abutments, whose rotation is timed to permit the passage of said impeller teeth through suitably shaped pockets in said abutments, while maintaining liquid seal, rotary pump intake plates provided with one or more scoop shaped intakes having their openings facing in the direction of rotation whereby to create a hydraulic ram pressure to force fluid into the pump chambers as the intake openings move into the fluid being pumped, and at least one pump chamber outlet for each of said impeller teeth.

2,495,761
METHOD OF SPLICING SHEET MATERIAL

James Conrad Platt, Gainesville, Ga., assignor to Chicopee Manufacturing Corporation of Georgia, a corporation of Georgia

Application October 19, 1944, Serial No. 559,408
2 Claims. (Cl. 154—116)



1. The method of splicing a plurality of layers of sheet material which comprises making a composite by superimposing said layers with a layer of bonding material having an open mesh structure formed of normally solid heat sensitizable adhesive polyvinylidene chloride filaments which are relatively movable to permit their individual dimensional adjustment, without any substantial positional adjustment, upon the application of bonding temperatures, and applying heat to the composite to effect the bonding operation.

2,495,762
ENAMELED ARTICLE

Frank R. Porter, Crown Point, Ind., assignor, by mesne assignments, to George N. Hibben, Chicago, Ill., as trustee

No Drawing. Application June 4, 1945, Serial No. 597,603
4 Claims. (Cl. 117—53)

1. A light-colored enameled steel article comprising: a base of killed steel containing alloyed with it a metal selected from the group consisting of zirconium, vanadium, and columbium, the carbon content of said steel being not in excess of about 0.15% and the weight ratio of alloying metal to carbon present in the steel being from about 8:1 to about 18:1 in the case of vanadium and from about 7:1 to about 15:1 in the case of zirconium and columbium; a nickel deposit on the surface of said base amounting to not less than about .09 gram nor more than about .20 gram per square foot of surface; and a coat of light-colored vitreous enamel applied directly to the nickel coated base and containing as part of the frit a light-colored adherence promoting oxide selected from the group consisting of zirconium oxide and titanium oxide.

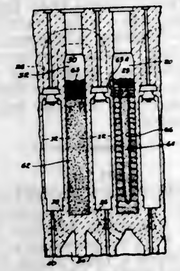
2,495,763
COKING PROCESS

Alfred R. Powell, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application August 23, 1945, Serial No. 612,160
7 Claims. (Cl. 202—29)

1. In a process of carbonizing coal in an externally-heated horizontally-elongated intermittent coke oven having side walls which are susceptible of injury when subjected to pressure in excess of a normal value, the method of preventing injury to the walls of said oven during carbonization of coal of a type which when carbonized in the usual manner causes pressures in

excess of said normal value to be exerted against the oven side walls during the latter part of the carbonizing period because of the formation in the coal-charge during the latter part of the carbonizing period of a substantially uninterrupted plastic zone surrounding and enclosing the central portion of said coal-charge, said plastic zone being so highly impermeable to passage of gas therethrough as to restrict escape of gas emitted from the portion of the coal-charge within said plastic zone to such a degree as to cause a relatively high pressure to be built up within said plastic zone, said method comprising charging said oven with coal of said type which when carbonized in the usual manner causes pressures in excess of said normal value to be exerted against the oven side walls during the latter part of



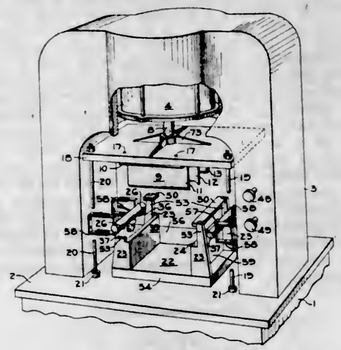
the carbonizing period, and maintaining in said coal-charge during the latter portion of the carbonizing period a relatively permeable path for the escape of gas from the interior of said coal-charge by providing over at least a substantial part of the above-identified coal-charge a porous layer of granular material of such composition that during exposure of said covering layer to the temperatures encountered in said oven said covering layer remains substantially more permeable to flow of gas therethrough than the plastic zones in said coal-charge, said covering layer being of such thickness as to prevent heat radiated from the roof of said oven and from the side walls of the upper portion of said oven from developing a highly impermeable plastic zone across the top of said coal-charge.

2,495,764
APPARATUS FOR REMOVING RUBBER AND THE LIKE FROM BODIES TO WHICH AFFIXED

Walter W. Ransom, Moline, Ill.

Application March 15, 1946, Serial No. 654,786
13 Claims. (Cl. 164—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an apparatus for removing adhesive material from an element to which such material is affixed, means for supporting such element, cutting means, means arranging said cutting means for the exertion of cutting force and pressure against the adhesive material for removing it from the element, heat-emitting means positioned in said apparatus adjacent said element-supporting means and including a jet, a fuel source, a fuel conduit connected at one end to said jet and at the other end to said fuel source, means for igniting said fuel and conveying the heat generated thereby to said material for loosening it from said element, means for cooling said jet comprising a cooling jacket adapted to receive coolant circulated therein, a first valve adapted to control the flow of fuel to said jet, a coolant source, a conduit connected at one end to said coolant source and at the other end to said jacket, a second valve having an intake port arranged for alignment with said coolant source and an exhaust port arranged for communication with said coolant conduit for the circulation of coolant in said jacket, means for actuating said cutting means including a fluid power source, a third valve connected to said fluid power source and

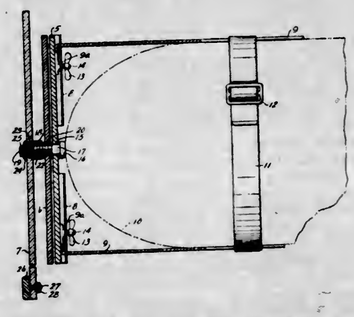


adapted to regulate the flow of power therefrom, said third valve having an intake port arranged for connection to said fluid power source and an exhaust port adapted for connection to said fluid power conduit, a source of electrical energy, means actuated by said source of electrical energy for operating said three valves, and a timer connected to said three valves and arranged to effect their operation substantially simultaneously whereby said valves are alternately opened and closed at the beginning and at the end, respectively, of a predetermined time cycle set by said timer.

2,495,765
ENGINE TIMING DEVICE

Albert B. Rauscher, Parnassus, Pa.

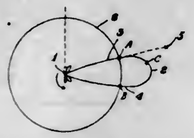
Application January 8, 1945, Serial No. 571,891
1 Claim. (Cl. 33—207)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A timing device for multicylinder internal combustion engines in aircraft, said device comprising a supporting means including a vertical

supporting plate having detachable members thereon to embrace and clamp the hub of an aircraft propeller, said members being adjustable on said plate and having fastening means thereon for holding them securely upon the hub in longitudinal alignment therewith whereby the device will be suitable for use on hubs of various sizes, a scale plate having selectively concentric scale indicia indicative of gear reduction ratio between the propeller and the engine marked thereon for checking the timing of the cylinders, each scale extending only through a half circle, means to support the scale plate upon the supporting plate so that it is angularly adjustable relative to the latter that normally turns with the supporting plate and the hub, and a transparent pointer of greater length than a normal propeller hub diameter, said pointer being swingably mounted on said scale support, the swing axis of said pointer and plate cutting a prolongation of a longitudinal axis of the hub, a flat weight at the lower end of said pointer and said pointer being hence adapted to lie in a plumb line irrespective of movements of the scale plate and having a single indicating line on its longer axis whereby to overlie points on all of the scale indicia and so to enable the timing of the aircraft engine to be checked without removal of the propeller.

2,495,766
BEACON SYSTEM
Ralph B. Reade, Larchmont, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 3, 1946, Serial No. 638,777
6 Claims. (Cl. 343—106)

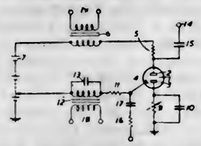


1. A beacon system comprising transmitting means including means for radiating energy in a directional beam, said energy having a component of constant amplitude, means for rotating said beam, and means for radiating energy in an omni-directional pattern in which the energy contains a constant amplitude component, and means for varying a characteristic of a component of the energy radiated from one of said radiating means with the angular position of the beam; and a receiver including means for receiving the radiated energy, an indicating system responsive to said component of varying characteristic, means for applying said component of the varying characteristic to the indicating system including a normally opened switching system, a comparison system for closing the switching system in response to a given relationship between the amplitude of the constant amplitude component derived from the beam and the constant amplitude component derived from the pattern, and means for applying both of said constant amplitude components to the comparison system, and wherein the comparison system includes means for closing the switching system in response to equal amplitudes of the constant amplitude components.

2,495,767
PREPARATION OF FIBERS FROM CARBOXYMETHYLCELLULOSE
John David Reid and George C. Daul, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 9, 1946, Serial No. 689,351
22 Claims. (Cl. 18—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of making a fiber comprising extruding a solution in water of a salt of carboxymethylcellulose, the carboxymethylcellulose containing about 0.5 to 1 carboxymethyl group per glucose unit through a filament forming aperture into a precipitating solution containing a salt of polyvalent metal that forms a water-insoluble precipitate with carboxymethylcellulose, thereby forming a filament comprising the corresponding metal compound of carboxymethylcellulose no acid being added to the precipitating solution, whereby the salt of the polyvalent metal reacts directly with the salt of carboxymethylcellulose.

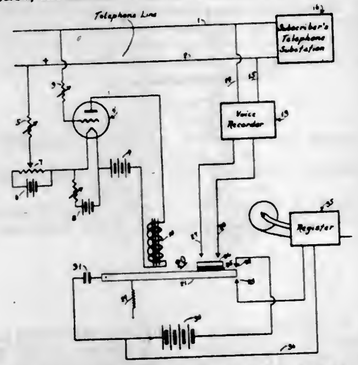
2,495,768
ELECTRIC PULSE MODULATOR
Alec Harley Reeves, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 5, 1948, Serial No. 19,088
In Great Britain May 12, 1947
7 Claims. (Cl. 332—9)



1. An electric pulse time modulator comprising a cold cathode gas-filled electric discharge tube having a principal discharge gap, means for applying to the gap a maintaining potential insufficient to initiate a discharge across the gap, means controlled by a modulating signal wave for periodically firing the gap at times depending on the instantaneous signal voltage, means for periodically extinguishing the discharge, and means for deriving time modulated pulses from the gap.

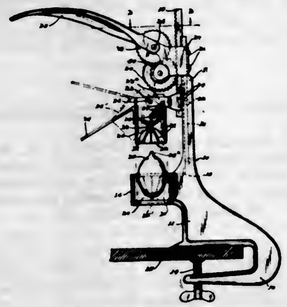
2,495,769
DIAL IMPULSE RECORDER
Clarence E. Reeves, Chicago, Ill.
Application March 3, 1947, Serial No. 732,040
7 Claims. (Cl. 179—5.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a telephone subscriber's line, a relay comprising a thermionic tube having a cathode, anode and a control electrode, means including a resistance connecting the negative side of said subscriber's line to the control electrode of said tube, means connecting the positive side of said subscriber's line to the cathode of said tube, a source of anode potential for the tube, an electromagnetic relay, said relay having an electromagnet, means connecting said source of anode potential and said electromagnet between the cathode and anode of said tube, said electromagnetic relay also having a first contact which engages a second contact when said relay is energized and which engages a third contact when said relay is deenergized, a condenser, one side of which is connected to said first contact and the other side of which is connected to one terminal of a source of potential, the other terminal of which source is connected to said second contact, an electrically operated impulse recorder,



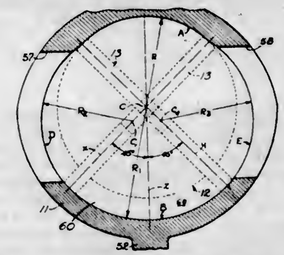
means connecting said other side of said condenser and said third contact to said impulse recorder whereby when said telephone line has a relatively low potential thereacross the relay is energized to charge said condenser and when said telephone line has a relatively high potential thereacross said relay is deenergized to discharge said condenser through said impulse recorder.

2,495,770
LEMON SLICING DEVICE
Henry Philip Rivet, New York, N. Y.
Application December 13, 1947, Serial No. 791,508
1 Claim. (Cl. 146—169)



A device for subdividing into segments a fruit article, as a lemon, by slicing said article along lines radiating from a line passing substantially centrally through said fruit article comprising, an elongated vertical frame, clamping means carried at the base of frame to affix the same to a horizontal support, a cup member fixed to said frame intermediate the height thereof and opening upwardly parallel therewith, a plurality of radially spaced knives upwardly disposed in said cup and curvilinearly extended to form a seat in said cup for the fruit article, a substantially U-shaped bracket affixed to the upper extremity of said frame and extending horizontally above said cup, a pinion rotatably carried by said bracket, a handle pivoted to said bracket, a second pinion carried by the pivot common to said handle and in rigid engagement therewith, said second pinion having operable connection with said first named pinion, a rack in slidable engagement with said frame longitudinally thereof, said rack having meshing operable engagement with the said first named pinion, a pair of parallel spaced arms secured to the lower end of said rack in horizontal disposition above said cup, a transverse plate joining said arms intermediate their length, an elongated piston rotatably suspended intermediate the extremities of said arms in telescopic alignment above said cup, means in said piston for clearing the knives of said cup, a spring in tension between an intermediate point on said piston and said arms retaining said piston in a vertical condition abutting the transverse plate between said arms, and a handle on said piston for rocking the same outwardly.

2,495,771
DIAMETRICALLY COOPERATING VANE PUMP
Joseph R. Richer, Cleveland, Ohio; Ella Richer administratrix of Joseph R. Richer, deceased
Application October 15, 1945, Serial No. 622,433
1 Claim. (Cl. 103—138)

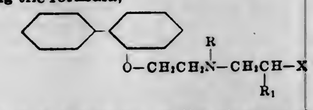


In a pump, in combination, a barrel forming a pump chamber having inlet and outlet ports at opposite sides, said chamber having arcuate wall sections between said ports formed on a common center, one of said wall sections having a greater radius than the other section, a cylindrical rotor mounted in said chamber with its rotational axis coincident with the common center of said wall sections, said rotor having a pair of transverse slots disposed at right angles to each other and intersecting at the axis of the rotor, a vane mounted in each slot for endwise sliding movement across said rotor, said vanes having cooperating notches at their point of intersection of a depth equal to one half the width of the vane to allow the vanes to slide relative to each other, the widths of said notches being such that each vane is operative to block the other vane and maintain the end of the other vane in spaced relation to said one wall section during its passage thereover.

2,495,772
BETA-(2-BIPHENYLOXY)ETHYL BETA-HALOALKYL AMINES
George Rieveschl, Jr., and Robert W. Fleming, Grosse Pointe Woods, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 7, 1947, Serial No. 727,287
6 Claims. (Cl. 260—570.7)

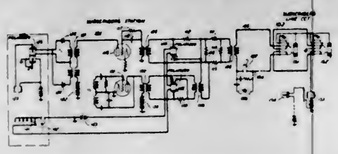
1. A compound of the class consisting of a free

base and its acid addition salts, said free base having the formula,



where R is a member of the class consisting of lower alkyl and lower alkenyl radicals, R_1 is a member of the class consisting of hydrogen and methyl and X is a member of the class consisting of chlorine and bromine.

2,495,773
ALTERNATING CURRENT TELEGRAPH SYSTEM
Leland C. Roberts, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1942, Serial No. 470,575
13 Claims. (Cl. 178—2)

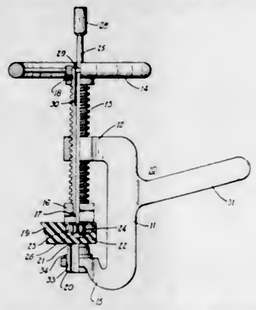


1. In a telegraph system, a plurality of subscribers' stations, each having a source of oscillatory current and means for keying the output of said source according to telegraph signals to be transmitted, a printing telegraph recorder at each station, means responsive to oscillatory signaling current for controlling said recorder, a telegraph line extending from each station, a central office station at which said lines terminate, a cord circuit at said central office station for interconnecting any two of said subscribers' stations, and an operator's set at said central office station associable with said cord circuit, said operator's set including a source of oscillatory signaling current, means for keying the output of said source according to telegraph signals to be transmitted, a printing telegraph recorder, and means responsive to oscillatory signaling current for controlling said recorder, whereby to afford communication between said operator's set and any of said subscribers' stations by oscillatory signaling current.

2,495,774
PROCESS FOR THE MANUFACTURE OF C-NITROSOARYLAMINES
Stiles M. Roberts, Albany, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 1, 1946, Serial No. 666,532
8 Claims. (Cl. 260—577)

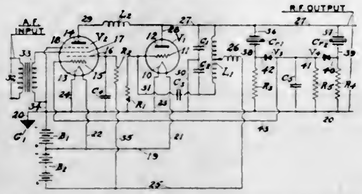
1. The process of producing a C-nitroso diarylamine which comprises reacting an alkali metal nitrite and an aliphatic alcohol media with an unsubstituted diarylamine in the presence of a chlorine containing compound selected from the class consisting of phosgene and thionyl chloride at a temperature not exceeding 30° C. while utilizing said chlorine containing compound to react with the water present to generate hydrogen chloride and maintain the reaction mixture in a substantially anhydrous condition.

2,495,775
FASTENER REMOVAL TOOL
Philip C. Roventini, Carson City, Nev.
Application August 8, 1946, Serial No. 689,130
2 Claims. (Cl. 164—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



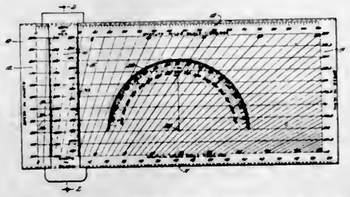
1. A tool for removing fasteners embedded near the edge of a flat member of rubber or the like, comprising: a C-shaped holder adapted to fit over said edge, a plunger threadedly mounted in said holder near one extremity thereof, a hand wheel on said plunger by means of which said plunger may be rotated and thereby screwed toward the other extremity of said holder, a foot member rotatably mounted on one end of said plunger adapted to engage one side of said flat member adjacent said fastener, a cylindrical cutter mounted on said other extremity with the axis thereof on the line of movement of said plunger and having a circular blade adapted to incise the rubber or the like on the other side of said flat member around said fastener, and a drift movable within said plunger along said line of movement having one end adapted to bear against said fastener, the other end extending from said plunger and adapted to be struck by a hammer to force said fastener from said flat member.

2,495,776
FREQUENCY-MODULATED TRANSMISSION SYSTEM
George T. Royden, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1945, Serial No. 589,875
10 Claims. (Cl. 332—19)



9. A frequency modulation system comprising a signal source, an oscillator circuit including a tank circuit resonant at a given frequency, a reactance modulator circuit coupled across said tank circuit for controlling the frequency of oscillation of said oscillator circuit in accordance with signals from said source, a pair of series circuits each comprising a crystal coupled to a common point on said tank circuit and a resistance coupled to a different common point on said tank circuit, one of said crystals being resonant above and the other crystal resonant below said given frequency, means for separately rectifying the voltage developed across the resistances due to oscillation current flow through said crystals, means for applying said rectified voltages differentially to a storage circuit, and means for applying the voltage developed across said storage circuit to said reactance modulator to control the frequency of oscillation of said oscillator circuit.

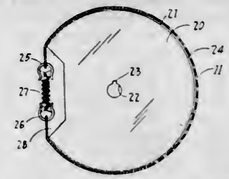
2,495,777
PILOTAGE COMPUTER
William C. Schroeder, United States Army, Hackettstown, N. J.
Application July 12, 1946, Serial No. 683,196
3 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A navigational instrument comprising a substantially rectangular panel of transparent material having parallel speed lines extending thereacross and terminating short of both side edges of the panel, there being speed in knots scale on one side edge of the panel having numerals registering with the parallel lines, there being a speed in miles per hour scale on the opposite side edge having numerals registering with the parallel lines, the top and bottom edges of the panel having scale in statute miles and nautical miles, respectively, time lines traversing the speed lines at points indicative of the distance traveled per units of time as indicated by the distance scales, there being time scales having numerals in registry with at least some of the time lines and located adjacent the top and bottom edges of the panel, a slider having side edges extending vertically completely across the panel, the slider having end portions extending over and behind the panel for guiding the slider across the panel, one vertical edge of the slider having a scale in miles per hour, the last named scale having numerals out of registry with the parallel speed lines, the opposite vertical edge of the slider having a scale in knots registering with the parallel speed lines, and a protractor on the panel having its center indicated thereon.

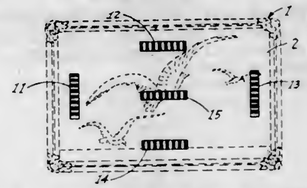
2,495,778
DEVICE, METHOD, AND APPARATUS FOR THE DETERMINATION OF EXPOSURE TIMES BY ALTERNATE OPAQUE AND LIGHT-TRANSMITTING BANDS
William C. Seifert, Narbeth, Pa., assignor of one-half to Donald W. Kent, Whitemarsh, Pa.
Application May 16, 1946, Serial No. 670,159
7 Claims. (Cl. 95—10)

1. Apparatus for determining exposure times comprising a sheet of transparent material having flush with the surface thereof sharp edged parallel lines opaque to light of equal width and of not exceeding ⅛ of an inch in width and spaced apart distances equal to said width, means for holding said sheet of transparent material with its banded surface overlaying and in contact with a sheet of material having a light sensitive surface, light excluding means covering said material carrying said light sensitive surface and said sheet of transparent material overlaying the same,



and mechanical means for progressively withdrawing said sheet of transparent material and said material carrying said light sensitive surface from said light excluding means at a predetermined rate.

2,495,779
METHOD FOR THE DETERMINATION OF EXPOSURE TIMES
William C. Seifert, Narberth, Pa., assignor of one-half to Donald W. Kent, Whitemarsh, Pa.
Application July 3, 1946, Serial No. 681,225
6 Claims. (Cl. 95—5)

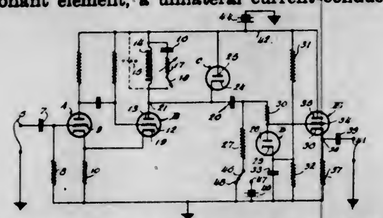


1. Method of determining exposure times for photographic operations which comprises placing at least one banded area within the field to be photographically reproduced, said banded area including at least two dark colored stripes having a low coefficient of reflection for the light to be used in the photographic reproduction of said field, and between each two dark colored stripes one intermediate light colored stripe having for such light a higher coefficient of reflection at least substantially equal to the field adjacent said banded area, determining the width of at least one light colored stripe of a photographically in focus projected image of at least two dark and one intermediate light colored stripe portion of said banded area, preparing several photographic reproductions of said image on light sensitive surfaces at substantially the same degree of enlargement as said projected image and using a different exposure time for each, determining the exposure time of that reproduction of said banded area for which the reproduced image of said light colored stripe is equal to said determined width, and photographically reproducing said field using the exposure time so determined.

2,495,780
DAMPED SHOCK EXCITED VARIABLE WIDTH PULSE GATE GENERATOR
James E. Shepherd and Robert F. Mozley, Hempstead, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application April 2, 1943, Serial No. 481,642
2 Claims. (Cl. 250—27)

2. In a circuit having input and output terminals, an electronic discharge device having a

resonant element connected in the anode lead thereof, means for impressing a wave of steep negative slope upon the control electrode of said electronic discharge device, variable impedance means comprising a fixed capacitor and variable resistor series combination in parallel with said resonant element, a unilateral current-conduct-



ing element for absorbing portions of a wave train set up in said resonant element by abrupt termination of the current flow therein, and means for modifying the amplitude of the pulse output of said unilateral current-conducting device, said variable resistor of said variable impedance being adjustable to deliver a variable width gate at the output terminals of the circuit.

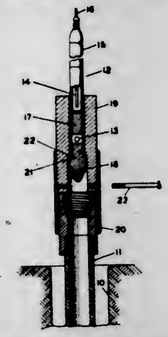
2,495,781

SHIELD FOR WELL LOGGING INSTRUMENTS

Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application November 13, 1947, Serial No. 785,567

5 Claims. (Cl. 250—108)



1. In apparatus for logging wells including an elongated instrument housing containing an irradiation source emitting penetrating nuclear radiations, the improvement comprising a separable cylindrical shield of a radiation-absorbing substance adapted to surround the exterior of said housing, and interengaging projections on said housing and shield for positioning said shield on said housing adjacent and surrounding said irradiation source as said housing is raised through said shield.

2,495,782

WELDED REINFORCEMENT

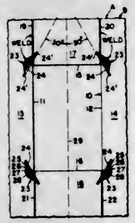
George L. Smith, United States Navy

Application May 14, 1946, Serial No. 669,554

11 Claims. (Cl. 114—79)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a hatch structure for welded ships, a plate provided with a rectangular opening, said plate being normally subjected to tensile loading in the direction of one axis of said opening, whereby the stress in an area of said plate adjacent a corner of said rectangular opening is raised, means for placing the metal in said area under initial compression comprising a bead of weld metal welded solely to said area along a line at an angle of between approximately 20 to 30 degrees to said axis and spaced from said corner a distance substantially equal to the thickness of said plate, said bead of weld metal being in longitudinal tension and continuously attached solely to said plate throughout its length.



11. The method of reinforcing a metal plate provided with a rectangular opening and normally subjected to tensile loading in the direction of one axis of said opening, whereby the stress in areas of said plate adjacent the corners of said rectangular opening is raised, which consists in welding electrode metal solely to said plate in said areas along lines at angles of between approximately 20 to 30 degrees to said axis and spaced from said corners a distance substantially equal to the thickness of said plate to form linear beads that are continuously attached solely to said plate throughout their lengths.

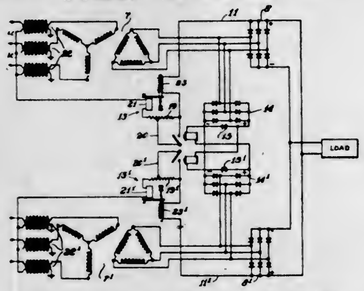
2,495,783

LOAD BALANCING SYSTEM

Edward M. Sorensen, deceased, late of Stamford, Conn., by Helen S. Sorensen, administratrix, Stamford, Conn., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application December 18, 1947, Serial No. 792,479

2 Claims. (Cl. 171—119)



1. An electrical load-balancing system for parallel current supply sources, each source including a source of alternating current and a rectifier for said current, the rectifiers being arranged for connection in parallel to a common load comprising means for regulating the voltage of the alternating current from said source, a control rectifier connected across the alternating current output from each source, and means connected in series between the control rectifiers,

responsive to differences in the potentials of the outputs of said control rectifiers due to unbalanced loads, for actuating the regulating means to eliminate said differences in potential, said actuating means comprising relay means and switch means actuated by the relay means when energized to change the adjustment of the regulating means.

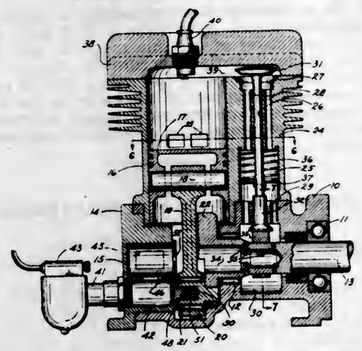
2,495,784

VALVE CONTROL FOR CRANKCASE COMPRESSION ENGINES

Albert Starts, Fort Lauderdale, Fla., assignor to Duncan Parking Meter Corporation, a corporation of Illinois

Application November 21, 1945, Serial No. 629,951

9 Claims. (Cl. 123—73)



6. An internal combustion engine comprising a crankcase, a cylinder block thereon, a cylinder head on the cylinder block, a crank shaft in said crankcase, a connecting rod therein, a piston in said cylinder block coupled with said connecting rod, a carburetor mounted on said crankcase, a conduit coupled with the carburetor and mounted in said crankcase, a rotary intake valve in said crankcase in fluid communication with said conduit, a disc on said valve, a pin therein operatively engaged with the crank shaft, a spring in said crank shaft urging said disc in abutting relation with the portion of the wall of the crankcase surrounding said valve, said cylinder block, crankcase, crank shaft and cylinder block having fuel passageways therein communicating with said valve.

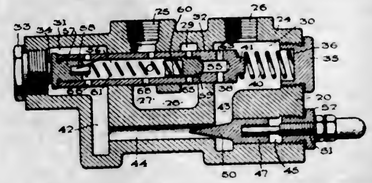
2,495,785

LOWERING VALVE

William T. Stephens, Cleveland, Ohio, assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio, a corporation of Ohio

Application January 11, 1945, Serial No. 572,387

7 Claims. (Cl. 277—60)



7. A flow regulator of the type described comprising in combination, a housing having spaced chambers and an intermediate pocket, a hoist port for said pocket and a control port for one of said chambers, a bore extending from chamber to chamber and through said pocket, a hollow plunger reciprocably mounted in said bore with ends extending into each chamber, means biasing the plunger toward the unported chamber, a duct connecting said chambers and having an adjustable flow regulator therein, a check valve separating the plunger hollow into an inlet and a discharge compartment, means placing said inlet compartment always in communication with the ported chamber, means placing the outlet compartment in communication with the remaining chamber and means placing the outlet compartment into communication with said pocket, at least one of said last two means being positioned to be progressively eclipsed by walls of said bore as the plunger is moved against said bias by pressure in the unported chamber.

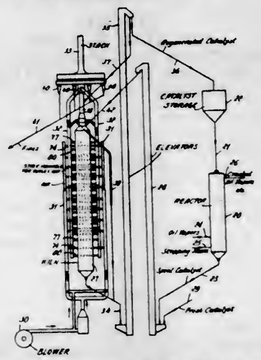
2,495,786

PREVENTION OF AFTERBURNING IN A MOVING BED CATALYST REGENERATION PROCESS

Leroy F. Strader, Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

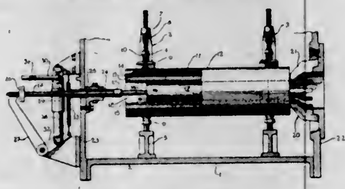
Application May 29, 1945, Serial No. 596,573

5 Claims. (Cl. 252—418)



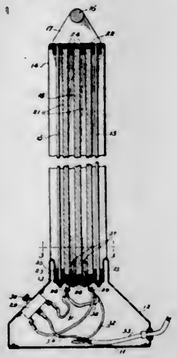
2. In the prevention of afterburning in the flue gases from the regeneration of coked granular cracking catalyst, said catalyst comprising a plurality of inorganic refractory oxides, during which regeneration coked catalyst moves downwardly through a plurality of vertically superimposed combustion zones, to each of which zones separate and independently controlled streams of air are admitted, from each of which zones separate streams of resulting flue gases are removed and in each of which zones a predetermined fraction of the total coke is burned off at temperatures below about 1200° F.; the method which comprises supplying air to all of said combustion zones at a rate from about 100 to 300 percent in excess of that required to burn the predetermined fraction of coke on the catalyst in any zone, and adding steam only to the air supplied to zones comprising the second and third fifth of the total number of combustion zones, said steam being added to the various zones at rates such that the aggregate amount of steam so added is between about 0.1 to 3 percent by weight of the catalyst passing through said combustion zones.

2,495,787
INDUCTION FURNACE PUSH-OUT ROD
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application January 10, 1946, Serial No. 640,227
5 Claims. (Cl. 13—26)



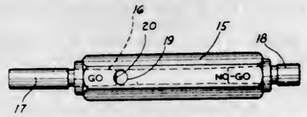
5. In induction furnace construction, a base, an induction heating coil mounted on said base, a support mounted on said base at one end of said coil, a tube mounted on said support to lie along the axis of said coil with the coil-adjacent end displaced outwardly from the coil end, and a rod slidably supported in said tube, said rod having a workpiece engaging end section of a diameter less than one-third the inner diameter of the coil whereby induced currents in said end section are held to a minimum.

2,495,788
ELECTRIC HEATER
Edward Robert Trist, Washington, D. C.
Application March 25, 1946, Serial No. 656,792
2 Claims. (Cl. 219—34)



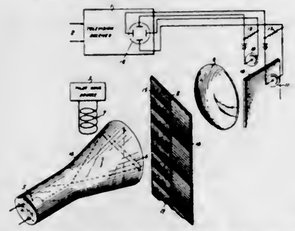
1. An electric radiant heater comprising a base; an inverted U-shaped frame mounted thereon; a heating assembly including a pair of outer screening members of translucent material and an inner carrier member of heat resistant, non-conducting material having a continuous meandrian ribbon-like strip of conducting material fused on its front and back surfaces; a pair of non-conducting top separator members attached to the underside of the top of said frame; a pair of non-conducting bottom separator members attached to the top of said base; said heating assembly being mounted on said base within said frame and with said screening members and said carrier member held in spaced apart relationship by said separator members; a spaced pair of conductors mounted on each of said bottom separator members with each conductor engaging one of the terminal ends of said strips; and a selective switch adapted to permit electric current to flow through either one or both of said strips.

2,495,789
GAUGE
Robert Twells, Fostoria, Ohio
Application November 26, 1943, Serial No. 511,768
4 Claims. (Cl. 33—168)



4. As an article of manufacture, a gauge for testing dimensions comprising a fired body artificially composed of ceramic material and consisting predominantly of corundum crystals and a small percentage not greater than 20% of glass, the work-engaging part of the gauge in the form of a ground surface finished to exact dimensions consisting predominantly of exposed corundum crystals.

2,495,790
SCANNING SYSTEM FOR TELEVISION RECEIVERS
Georges Valensi, Paris, France
Application March 1, 1941, Serial No. 381,226
In France December 19, 1940
Section 3, Public Law 690, August 8, 1946
Patent expires December 19, 1960
2 Claims. (Cl. 178—7.5)



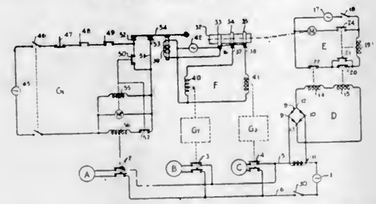
1. A scanning wave generator for television stations adapted to receive picture signals transmitted by various transmitting stations of different scanning laws, comprising a cathode ray tube provided with a fluorescent screen and an electron gun producing a beam of rectilinear cross-section, a scanning control screen mounted in front of said fluorescent screen and provided with a transparent part extending transversely of the rectilinear line of said beam and having a transparency which varies from one point to another in accordance with a predetermined scanning law corresponding to the scanning law at the transmitter from which picture signals are being received, an optical device for focusing fluorescent light passing through the transparent portion of said control screen, a photoelectric cell mounted within the focused area of said optical device and in the region of said variably transparent part, an output circuit for said cell for collecting the scanning line current generated by said cell, a deflecting device for said cathode ray tube mounted to produce deflection of said beam in a direction at right angles to said rectilinear dimension, means for supplying a pilot wave derived from signals received from said transmitting station to said deflecting means whereby said beam is deflected over the said control screen producing a scanning wave corresponding to the said predetermined scanning law and an output circuit for said photoelectric cell, and means for applying the output of said photo cell to the television receiver deflection circuit.

2,495,791
SYSTEM FOR THE PROTECTION OF TRANSMISSION LINES USING ALTERNATING CURRENTS
Leon Marie Van Daele and Jan Joseph Ballet, Antwerp, Belgium
Application February 26, 1947, Serial No. 731,140
In the Netherlands April 26, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires April 26, 1960
8 Claims. (Cl. 171—97)



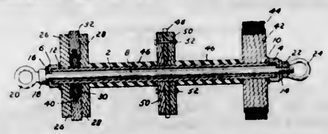
1. In a signaling system the combination, with a plurality of transmission lines each having alternating current generator means connected to one end thereof and load means connected to the other end thereof, one of said means being common to all of said transmission lines, said load means including a reactive load connected across one of said transmission lines, of reactive means connected in series with said one of said transmission lines, said reactive means having an impedance of substantially the same order of magnitude as that of said reactive load and of substantially opposite phase, whereby undesirable changes in the flow of energy through the remainder of said lines, in the event of a short circuit in said one line, will be substantially prevented.

2,495,792
GENERATOR SEQUENCING CONTROL FOR PLURAL LOADS
Alan Warnick, Detroit, and Ruben Kozarian, Highland Park, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application March 10, 1947, Serial No. 733,496
12 Claims. (Cl. 171—97)



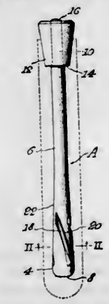
3. A load control for electric power generators adapted to supply intermittent power to a plurality of electrical loads through suitable means including electric switches, the generator having a predeterminable full capacity rating, control means for each load for determining a period of power supplied to the associated load, a sequencing device for transmitting an energy impulse successively to each of said control means to initiate load supply to said associated load, a motor for operating said sequencing device, a relay connected to said generator and operative to stop said motor on increase of power supplied from the generator beyond a predetermined value.

2,495,793
MULTISECTOR SCRAPER FOR GUN BORES
Frank S. Webb, Havre de Grace, Md.
Application March 30, 1945, Serial No. 585,757
1 Claim. (Cl. 15—104.19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a device for cleaning the bore of a gun barrel, a cylindrical member, first, second, and third disks journaled on said member concentric thereof and in contiguous relation in the order mentioned, said first and third disks being of equal size and greater in diameter than said second disk, a plurality of sector-shaped elements positioned for individual radial movement between said first and third disks, each said element having its inner periphery generally conforming to the periphery of said second disk, the outer peripheries of said sectors conjointly forming a substantially continuous circular scraping edge, a plurality of equally circumferentially-spaced bolts secured to and between said first and third disks generally parallel with said member, each bolt passing through a radially elongated aperture centrally located in a respective element, there being three circumferentially-spaced radial pockets in each said element opening through the inner periphery thereof, the central pocket in each element being in the same axial plane with the radially-elongated aperture thereof and the remaining two pockets of each element being located in respective axial planes equally angularly spaced on opposite sides of said central pocket, a spring in each pocket bearing on the periphery of said second disk, said springs coacting to urge the elements radially outwardly of said member, and means carried by said member and engaging the outer sides of said first and third disks to hold all of said disks in contiguous relation.

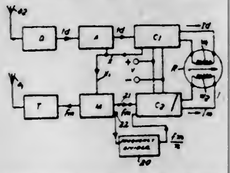
2,495,794
RECTAL SCRAPER
Thomas H. Weller, Ann Arbor, Mich.
Application December 27, 1946, Serial No. 718,724
8 Claims. (Cl. 128—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A rectal scraper comprising a rod-like body including a proximal end, a distal end, a stem portion including the proximal end, and an en-

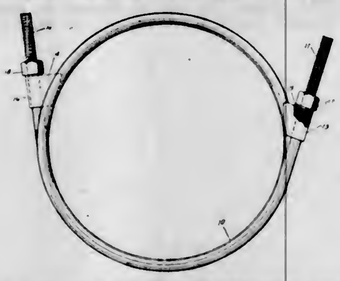
larged head portion including the distal end, the body being of circular cross-section throughout and having its maximum diameter in the head portion, the stem portion gradually tapering to the head portion, scraping means in the head portion for scraping material to be examined from a rectal wall, and collecting means for collecting scraped-off material.

2,495,795
ALTIMETER
Jeffrey Dennis Weston, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 11, 1945, Serial No. 593,159
In Great Britain March 20, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 20, 1964
9 Claims. (Cl. 177—352)



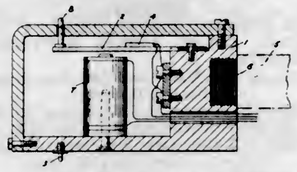
2. A beat frequency altimeter arrangement of the kind specified comprising a ratiometer having two operating coils, means for deriving beat frequency waves from the transmitted and reflected waves, means for deriving from the said beat frequency waves an electric current whose magnitude depends upon the said beat frequency, means for supplying the said current to one of the said coils, and means for supplying to the other coil a reference current whose magnitude depends upon the frequency of the waves which modulate the said transmitted waves.

2,495,796
CLAMPING RING
Howard Theodore White, West Collingswood, N. J., and Herman Fritsch, Philadelphia, and Louis R. Di Filippo, Newton Square, Pa.
Application August 20, 1945, Serial No. 611,667
2 Claims. (Cl. 29—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



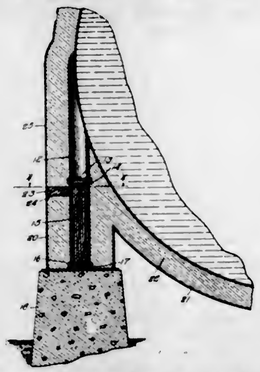
1. A commutator segment assembling tool consisting of a rod defining a circle and having overlapping ends, and lugs attached to the rod substantially across the circle from each other, said lugs having openings therethrough to pass the ends of the rod, said ends being threaded to receive nuts that bear upon the lugs.

2,495,797
ELECTRICAL BORE GAUGE
Fred W. Whitlock, Rockford, Ill., and William E. Summerbell, Washington, D. C.
Application March 27, 1947, Serial No. 737,682
4 Claims. (Cl. 33—178)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. Tube calipering apparatus comprising a measuring head having caliper fingers mounted thereon and adapted for insertion into a tube to be calipered, one of said fingers being mounted to move independently of any other finger in response to variations in bore dimensions of a tube to be calipered, a cantilever arm mounted on said head, said independently movable finger being mounted on said cantilever arm, electrical resistance means mounted on said cantilever arm near the point where said arm experiences its maximum bending moment, said electrical resistance means being so mounted as to be sensitive to straining of the cantilever arm so that its resistance value varies in accordance with the strain on the arm, and an electro-magnet mounted in said measuring head so as to act directly upon said cantilever arm to withdraw said independently movable calipering finger from contact with the tube surface to be calipered.

2,495,798
VESSEL FOR STORAGE OF LIQUIDS AT LOW TEMPERATURES
Ivan L. Wissmiller, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application July 21, 1948, Serial No. 39,925
6 Claims. (Cl. 220—15)

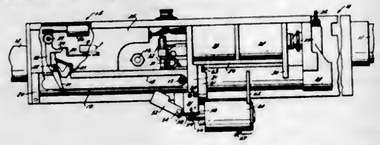


1. A storage vessel for low temperature liquids comprising an inner shell, an outer shell separated therefrom by an insulating space, a plurality of supporting piers, a cylindrical supporting member for the other shell on each pier, a support for the inner shell within said cylindrical support comprising a depending leg secured to the inner shell, a vertical supporting member between the leg and the pier and a pair of rocker plates associated with said vertical member whereby said inner shell may move horizontally radially inwardly or outwardly.

2,495,799
CHLOROALKYL PHOSPHOROUS OXY AND SULFODICHLORIDES
Willard H. Woodstock, Flossmoor, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application May 17, 1945, Serial No. 594,370
9 Claims. (Cl. 260—543)

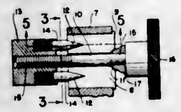
1. A chloroalkyl phosphorus oxydichloride where a chlorine atom and the phosphorus atom are attached to adjacent carbon atoms one of which is the terminal carbon of a straight chain alkyl group containing more than two carbon atoms.

2,495,800
GUN CLEARING DEVICE
Lautt F. Young, Corpus Christi, Tex.
Application March 8, 1948, Serial No. 13,729
8 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



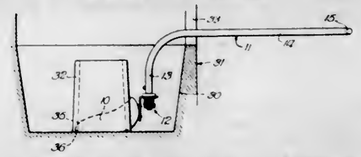
1. In combination with a gun and a gun charger having a charging cylinder with a gun bolt stud slot therein for receiving the gun bolt stud, the improvement which comprises an element selectively movable across the gun bolt stud slot for selectively blocking the gun bolt stud from its battery position, resilient means biasing said element away from the gun bolt stud slot, and means for holding said element across the gun bolt stud slot against the bias of said resilient means.

2,495,801
HINGED ROD-JOINT LOCKING DEVICE
Olly C. Ammons, Pasadena, Calif.
Application December 30, 1947, Serial No. 794,682
1 Claim. (Cl. 287—14)



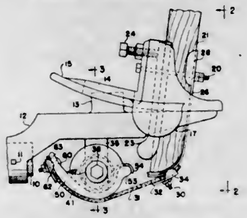
A hinged rod-joint locking device comprising: a mounting bar; a mounting post offset to one side of said mounting bar; means for adjustably securing said mounting bar to said mounting post about an axis traversing both said mounting post and mounting bar, said means including a bushing split along a plane including said axis and journaled in an aperture in said mounting post, a headed stem extending therethrough and screw-threaded into said mounting bar, a pair of wedge pins anchored into said mounting bar on opposite sides of said stem and having conical points positioned between the parts of said split bushing at one end thereof, and a wedge cone having a nose portion positioned between the parts of said split bushing at the opposite end thereof, said wedge cone being engaged by the head of said stem, whereby rotation of said stem forces said wedge pins and wedge cone between the parts of the split bushing, thus causing the latter to grip adjacent surfaces of said post aperture.

2,495,802
CLEANOUT SHOVEL
Carl L. Anderson, Bloomington, Ill.
Application May 14, 1945, Serial No. 593,707
3 Claims. (Cl. 294—55)



1. A shovel comprising a scoop, a projection thereon having an aperture and providing a flat surface adjacent said aperture disposed in a plane parallel to the plane of operation of said scoop, and swivel means connected with the scoop end of said handle and cooperating with the projection on said scoop to enable the latter to describe a complete circle about the adjacent end of said handle, said swivel means comprising a pivotal member having an intermediate annular disc forming an abutment, said pivotal member having one portion thereof adapted for connection with said handle, another portion of said pivotal member extending through said projection aperture to provide a pivot pin and spring means carried by said pivot pin to coact with said scoop projection to hold said abutment in retarded frictional engagement against the flat surface of said scoop projection.

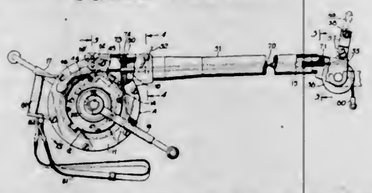
2,495,803
MOUNTING FOR PICKER STICKS IN LOOMS
William H. Bahan, Greenville, S. C.; Edward F. Bahan administrator of said William H. Bahan, deceased
Application November 3, 1947, Serial No. 783,675
1 Claim. (Cl. 139—150)



In a loom having a parallel and a shoe mounted on the parallel, said shoe having means for securing a picker stick therein, a metallic member secured to the lower end of the picker stick and extending around the lower end thereof, a flexible leather strap secured to the lower end of the metallic member, said parallel having an outwardly and downwardly projecting portion and a drum having a bore therethrough and one end being adapted to abut the downwardly projecting portion and a screw penetrating the downwardly projecting portion and threadably im-

bedded in one end of the drum to hold the same in fixed position, a torsion spring disposed around the drum and having one end secured to the drum; the other end of the drum having a restricted bearing portion and an oscillatable member mounted on the bearing portion, said oscillatable member having a hub portion adapted to oscillatably fit over the bearing portion of the drum and said oscillatable member having integral therewith a shield disposed in spaced relation to the hub and having an outwardly projecting lip over which the other end of the torsion spring may be secured, the oscillatable member having a slot therein remote from the lip and a bolt mounted in said slot and penetrating the other end of said flexible strap for securing the same in position.

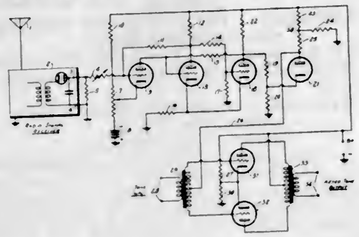
2,495,804
HOIST
Wallace W. Berchtold, York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application March 31, 1944, Serial No. 529,017
4 Claims. (Cl. 254—186)



3. In a hoist mechanism, a housing, a cable drum journaled in said housing, means for rotating said drum, an opening in said housing through which a cable on said drum passes and operates, a roller mounted in said housing and pressing against the outer face of a cable on said drum along a line adjacent to and to the rear of the point where the cable leaves said drum, an extension tube on said housing through which said cable operates, a cable pulley on the outer end of said extension over which said cable passes, a cable guide within said extension tube, means pivotally supporting the outer end of said cable guide at a point adjacent to said pulley for universal movement and means on said housing supporting the inner end of said cable guide for transverse movement of said inner end of said cable guide with the movement of the cable as it is being reeled and unreeled from said drum.

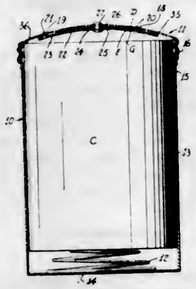
2,495,805
TONE KEYER CONTROL CIRCUIT
Warren H. Bliss, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 14, 1945, Serial No. 635,086
11 Claims. (Cl. 178—66)

9. In signalling apparatus, in combination, a locking circuit including electronic means with electrodes including an output electrode and an input electrode with the electrodes interconnected and supplied by operating potentials in such a manner that the locking circuit has two conditions of stability, a control tube having a control grid and having an anode coupled to said input electrode and having its control grid in a biasing circuit such that when the control tube is conductive the locking circuit is in one condition of stability and when the control tube is non-conductive the locking circuit is in the other condition of stability, a source of potential which varies in accordance with signals and also varies to a less extent in accordance with noise or similar disturbances, a connection between said source and said control grid of said control tube to control the state of stability of said locking circuit,



and a coupling between said output electrode and an electrode of said control tube to apply thereto a potential which supplements the action of said control potential on the control grid of said control tube to prevent variations in said control potential in accordance with noise or similar disturbances from taking over control of the condition of stability of said locking circuit.

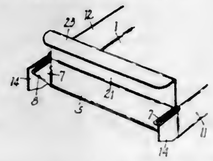
2,495,806
HOLDER
Herman Block, New York, N. Y.
Application December 29, 1945, Serial No. 637,934
8 Claims. (Cl. 222—548)



1. A holder adapted to contain a material in powder form, comprising a container, a cover member for said container, said cover member being provided with a plurality of openings, a first disc member rotatably mounted adjacent said cover member, said disc member being provided with a plurality of openings spaced in such a manner that at least a certain number thereof will be aligned with respective openings in said cover member in a first position of said disc member and a different number thereof will be aligned with respective openings in said cover member in a second position of said disc member, and a second disc member rotatably mounted adjacent one of the said members, said second disc member being provided with a plurality of openings spaced in such a manner that at least a certain number thereof will be aligned with respective openings in said cover member in a first position of said second disc member and a different number thereof will be aligned with respective openings in said cover member in a second position of said second disc member,

whereby the rate at which said material may be removed by shaking said holder will be variable according to the positions of said disc members.

2,495,807
DOUBLE WALLED BOX OR CARTON
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application September 9, 1946, Serial No. 695,605
6 Claims. (Cl. 229—34)



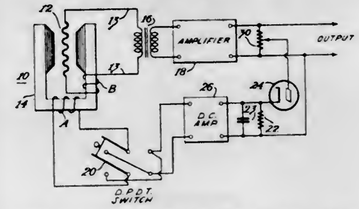
1. A collapsible double walled box or carton formed of an integral blank cut and scored to provide an inner bottom panel and inner side and end walls hingedly connected to the inner bottom panel, and diagonally foldable corner members hingedly connected to the adjacent ends of the inner side and end walls and foldable on the outer sides of the inner end walls, outer side walls hingedly connected to the upper edges of the inner side walls and having corner flaps at their ends foldable upon the folded corner members, an outer bottom panel hingedly connected at one side edge to the bottom edge of one of said outer side walls and having a sealing flap hingedly connected to its other side edge and lapped upon and adhesively secured to the inner side of the other outer side wall, and outer end walls hingedly connected to the upper edges of the inner end walls and foldable downwardly on the outer sides thereof over the said corner members and corner flaps when they are in erected position against the outer sides of the inner end walls, said outer end walls having tucking flaps hingedly connected to their bottom edges disposed under the folded corner members and flaps and between said outer and inner bottom panels and having slits at the ends of the hinges thereof having interlocking engagement with the bottom edges of said corner flaps, said outer end walls and inner end walls constituting means for housing and retaining said foldable corner members in a collapsed folded position therebetween when the tucking flaps of the outer end walls are disposed between said outer and inner bottom panels.

2,495,808
PROCESS OF IMPREGNATING THICK TEXTILE FABRICS WITH GUM
Jean Colmant, Tournai, Belgium, assignor to Etablissements Colmant & Cuvelier Societe Anonyme, Tournai, Belgium, a Belgian company
Application July 19, 1947, Serial No. 762,085
In Belgium March 29, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 29, 1961
4 Claims. (Cl. 154—52)



1. In a process of preparing thick textile fabrics impregnated with gum, introducing into the fabric during the weaving thereof threads forming removable cores from side to side of said fabric, withdrawing said threads from the fabric thereby leaving recesses in said fabric, then impregnating said fabric with gum and causing the gum to have access through said recesses to the interstices between the fibres of said fabric.

2,495,809
SIGNAL EXPANSION OR COMPRESSION
George K. Graham, Oceanside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 6, 1945, Serial No. 614,736
8 Claims. (Cl. 179—1)



1. In signalling apparatus, a ribbon-type microphone, having its ribbon in a magnetic field, for converting motion representing signals to electrical currents, an electrical circuit connected to the ribbon, and means responsive to currents in said circuit for changing the static position of the ribbon in the magnetic field.

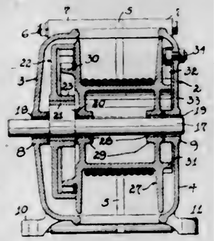
2,495,810
DYEING ORGANIC ACID ESTER OF CELLULOSE TEXTILE MATERIALS WITH AN AQUEOUS SOLUTION OF A NORMALLY ACID-FADING DYESTUFF, LOWER ALIPHATIC ALCOHOL, THIOCYANATE, AND ALKALI METAL HYDROXIDE
Walter H. Hindle, Allentown, Pa., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 10, 1946, Serial No. 702,363
8 Claims. (Cl. 8—59)

1. Process for the coloration of organic acid ester of cellulose textile materials, which comprises mechanically impregnating said organic acid ester of cellulose textile material with a solution of a dyestuff for the organic acid ester of cellulose material, said dyestuff being normally subject to acid fading upon exposure to an acid atmosphere in an aqueous medium comprising a lower aliphatic alcohol, a salt of thiocyanic acid which is a swelling agent for the organic acid ester of cellulose material and from 1 to 4 grams per liter of an alkali metal hydroxide.

2,495,811
HOIST
Hubert Q. Hollmann, Riverside, Ill.
Application May 26, 1948, Serial No. 29,380
2 Claims. (Cl. 254—186)

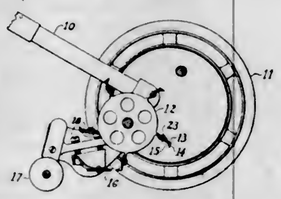
1. In a hoist with a gyral gear drive, a housing, a rotatable power shaft mounted in said housing, an eccentric on said power shaft, an internal cup-shaped gear freely rotatably mounted on the eccentric of said shaft and slidably pivoted to said housing, and a flanged cable drum freely rotatably arranged on said power shaft adjacent to said internal gear, said drum having integrally

extended from its flange adjacent to said internal gear a ring-shaped externally toothed flange extended into said internal gear, meshing therewith and dimensioned to effect rotation of said drum by a gyrating action of said internal gear when



said power shaft is rotated, said flange of said cable drum dimensioned to form with said internal gear a working chamber fully enclosing in all possible positions of said internal gear, the gear teeth of said internal gear and said ring-shaped flange.

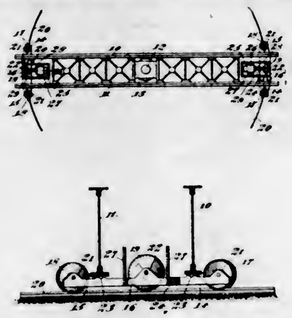
2,495,812
LAWN MOWER BLADE
Paul R. Hutchinson, Rochester, N. Y.
Application July 2, 1947, Serial No. 758,646
3 Claims. (Cl. 56—294)



1. In a lawn mower, rotating blades of substantially L-shaped cross-sectional profile in which the base of the L is at the outside of the radius of rotation and slanted toward the stationary blade at the bottom of the swing and the underside of the L has burr-stumps extending radially outward from the leading edge thereof.

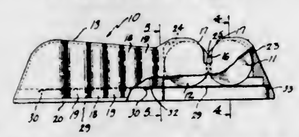
2,495,813
TRUCK FOR TURNTABLES
Jonathan Jones, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 3, 1945, Serial No. 602,964
4 Claims. (Cl. 104—35)

1. In a turntable comprising two cross-connected girders supported on a pivot at the center and on wheels at or near each end, trucks rockably supporting said girders and supported on said wheels, said trucks each comprising two portions with two wheels mounted in one portion and a single wheel in the other portion and a pin joint, or other means to form an effective hinge between the two portions, and with said wheels arranged one outside and adjacent each of said girders and a third wheel intermediate said girders so that any wheel, because of the rocker support of the girder on the trucks, may rise or fall relatively to the other wheels, due to rail surface irregularities, without materially altering the proportion of the total load which is



carried by each wheel and without causing flexure in either of the girder ends.

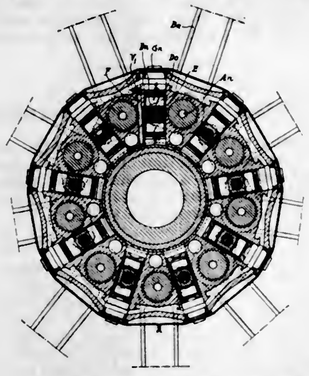
2,495,814
KNIFE SHARPENER
Daniel L. Marcantonio, Westport, Conn., assignor to The Rayflex Company, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application December 13, 1947, Serial No. 791,579
6 Claims. (Cl. 76—87)



1. A knife sharpener comprising an integral body provided with a transverse recess extending through its top and side walls, said body being provided with a plurality of narrow laterally spaced pockets opening into said recess from the opposite sides thereof and formed in the material of the body so that the side walls of the pockets are formed integral with the body and of the same material as the body, said pockets also opening through the bottom of the body to form entrance openings to permit insertion of separate sharpener discs into said pockets from the bottom of the body, separate unmounted sharpener discs located one in each of said pockets and extending at one edge into the recess in overlapped relation with discs on the opposite side of the recess, the side walls of the pockets also forming the lateral supporting and positioning means for the discs, and retaining means located over the lower entrance to the pockets to retain the discs in these pockets.

2,495,815
MECHANICAL MOVEMENT
Robert Mercier, Paris, France, assignor to Fondation dite: Groupement Francais pour le Developpement des Recherches Aeronautiques, Paris, France
Application April 14, 1947, Serial No. 741,196
In France April 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1966
1 Claim. (Cl. 74—51)

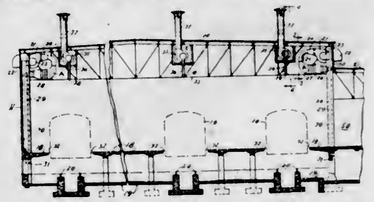
The connecting rod assembly for radial cylinder devices of devices of the type including a crankcase having a plurality of radially disposed cylinders and pistons, a crankshaft rotatably mounted in said crankcase and having a crank pin, a connecting ring rotatably mounted on said crank pin, a plurality of fulcrum pins equal in number to the number of said cylinders and carried by said ring at points thereof symmetrically distributed about its center, a plurality of rods connecting respective ones of said pins to respective ones of said pistons, and means associated with said connecting ring for adjustably setting and preventing rotation of the ring on the crank pin to adjustably determine the set position of the ring during its circular displacement around the crankshaft as the crankshaft is rotated, said last named means to adjustably determine the set position of said connecting ring comprising a plurality of closed cylinders carried by said ring and at least equal in number to the



number of radially disposed cylinders, each of said closed cylinders having a piston member therein, fluid passageways interconnecting the top ends of said closed cylinders, fluid passageways interconnecting the bottom ends of said closed cylinders, an incompressible liquid filling the whole of said cylinders and said fluid passageways in both the volumes at the top of the closed cylinders and at the bottom of the closed cylinders, each of said rods being provided with an offset wrist pin directed laterally in the plane of said connecting ring and linked to respective ones of said piston members, and means to modify the volume of liquid in the top of the closed cylinders with respect to the liquid volume in the bottom of said closed cylinders and thus adjust the set position of said connecting ring on said crank pin.

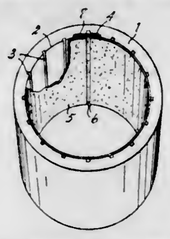
2,495,816
VENTILATING SYSTEM FOR DIESEL HOUSES
Harry G. Miller, West Allis, and Clarence E. Brophy, Wauwatosa, Wis.
Application July 29, 1948, Serial No. 41,352
2 Claims. (Cl. 98—33)

1. In an engine house for Diesel locomotives, an enclosure having side walls, trackage on the floor of said enclosure, means for forcing fresh exterior air into said enclosure adjacent the bottoms of said side walls in sufficient quantity to ventilate said enclosure and support combustion in locomotives on said trackage, a series of exhaust means arranged closely adjacent each other to define an elongated row of exhaust openings over said trackage, each said exhaust means comprising an elongated hood extending in the direction of said row, transverse partitions in said hood defining a plurality of passageways therein, selectively operable damper means in each of said passageways, and a blower for each of said ex-



haust means arranged to move products of combustion therethrough and to the exterior of said enclosure.

2,495,817
CENTRIFUGAL MOLD AND LINER
Ernest R. Olsen, Rudolph F. Flora, and Clifford J. Lonnee, Muskegon, Mich., assignors to Hastings Manufacturing Company, Hastings, Mich.
Application November 18, 1946, Serial No. 710,449
3 Claims. (Cl. 22—113.5)

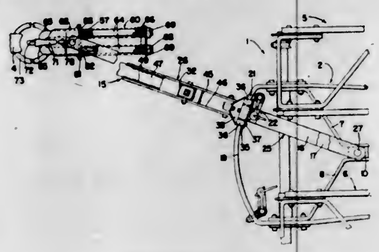


1. Casting apparatus comprising a permanent centrifugal tubular mold having longitudinally extending ventilating grooves in its inner surfaces and a circumferentially enlarged longitudinal groove, a liner of sheet heat resisting material positioned in said mold in supported facing relationship with the walls thereof, the longitudinal edges of said liner being disposed over said enlarged groove, and a backing strip positioned in said enlarged groove and lapped upon the edges of said liner and secured to only one of said edges, the thickness of said backing strip being approximately equal to the depth of said enlarged groove.

2,495,818
PLOW HITCH
Orey W. Oerman, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 15, 1945, Serial No. 572,922
2 Claims. (Cl. 97—47)

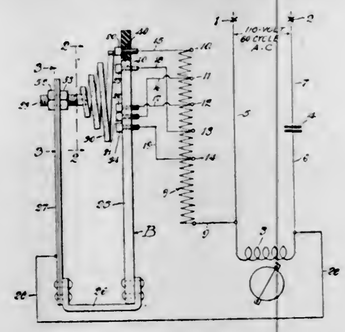
1. An agricultural implement having a member through which draft may be transmitted to the implement, said member comprising a pair of generally vertically spaced longitudinally extending parts, a spring cushion hitch adapted to be connected to propelling means to receive draft therefrom and comprising a plunger block, means pivoting said plunger block to the forward ends of said parts and disposed between the latter for lateral swinging movement relative thereto, a longitudinally shiftable plunger mounted in said block and adapted to be connected at its forward end with said propelling means forward of said block and swingable with the latter between said vertically spaced parts,

a compression spring disposed about said plunger between the rear end of the latter and the rear portion of said block, said plunger and spring



swinging laterally with said block between said parts about said pivot axis whenever the draft member is disposed at a line to the line of draft.

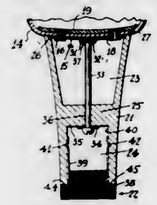
2,495,819
SPIRAL THERMOSTATIC SWITCH
Walter Orvedahl, Santa Fe, N. Mex., assignor to Control Devices, Inc., Santa Fe, N. Mex., a corporation of New Mexico
Application March 11, 1948, Serial No. 14,297
3 Claims. (Cl. 200—138)



1. In combination, a temperature responsive thermostatic element, a metal conductor strip wound to form a conical spiral, and supported at its apex on the thermostatic element, a series of insulated electrical contact members, spirally arranged, in register with the convolutions of the strip, adjacent the base thereof, and so positioned that as the strip is moved by the thermostatic element toward the contact members the strip collapses axially to contact successive contact members.

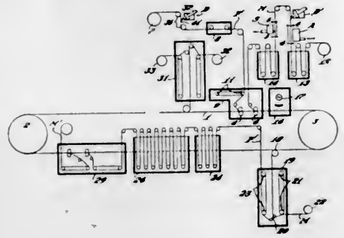
2,495,820
SHOE CONSTRUCTION
Yolanda Peretti and Gino Caccivio, New York, N. Y.
Application November 8, 1947, Serial No. 784,848
2 Claims. (Cl. 36—36)

1. In a shoe, in combination, a heel having a hollow portion open at the bottom, a lift fitting partially into said hollow portion, said portion having a part provided with a recessed surface inside the hollow of said portion, and a resilient element having a pair of arms partially embedded in and projecting above said lift and a portion embedded in said lift connecting said arms, said



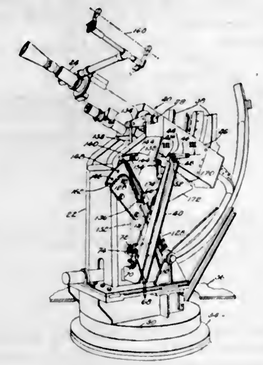
arms projecting into the hollow of said portion and cooperating with said recessed surface to secure said lift yieldably within said hollow portion.

2,495,821
CINEMATOGRAPHIC SOUND-TRACK PRINTING
Wadsworth E. Pohl, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application September 29, 1945, Serial No. 619,315
3 Claims. (Cl. 95—5)



1. In the art of printing pictures by imbibition, from a dyed matrix having both pictures an a sound-track, on a water absorptive film having soluble light-sensitive ferric salts in its sound-track zone, the method which comprises dyeing the matrix with an acid dye, continuously feeding the film and matrix into face-to-face contact and thence conducting the film and matrix along predetermined paths with the film and matrix in face-to-face contact along a common portion of the paths to permit dye to be imbibed by the film from the matrix, in said common portion printing the sound-track in said zone with light passing through the matrix to convert the ferric salts into ferrous salts, and farther along the path of the film developing the sound-track with soluble iron cyanide developer selected from the class consisting of ferricyanide and ferrocyanide salts to produce a sound-track in the form of a light-absorptive, insoluble, iron cyanide, washing the film to remove the unexposed iron salts, and after the matrix is dyed and before it reaches the film mordanting the sound-track zone of the matrix with a basic dye to prevent dye transfer from matrix to film in said zone, whereby the migration of ferric salts from the film to the matrix does not affect the quantity of dye in the sound-track zone of the matrix throughout successive printings.

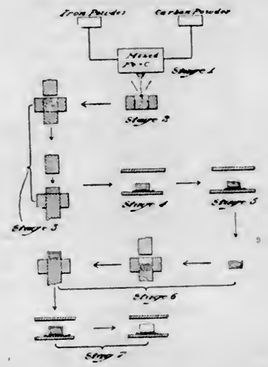
2,495,822
FIRING MECHANISM FOR USE IN ARMED MOUNTS
Frank W. Reinhold, Beverly, and John J. Maciejowski, Ipswich, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 9, 1945, Serial No. 592,864
5 Claims. (Cl. 89—27)



1. In an armed mount, a support freely rotatable in azimuth, a gun freely rotatable in elevation upon the support, an arm which is secured to the support and comprises a handle pivotally connected thereto, a latch constructed and arranged to secure the handle rigidly to the arm or to release said handle for movement with relation to said arm, said arm and said handle being so constructed and arranged that a gunner by applying force to the handle can swing the support, together with the gun mounted thereon, in azimuth, a firing plunger movable in a fixed path, and firing mechanism comprising a cam which is continuously in engagement with said firing plunger and which is movable in a fixed path disposed at approximately right angles to the path of movement of the firing plunger in response to swinging movement of said handle on the arm to shift the plunger from an idle to a firing position, said cam being yieldable in a direction generally lengthwise of the path of movement of said plunger under the thrust of said plunger as it moves back from its firing to its idle position.

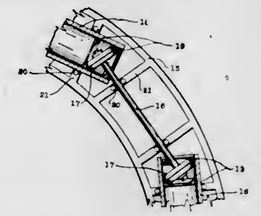
2,495,823
PRESSING OF ARTICLES FROM METAL POWDER
Richard E. Rice, Winthrop, Mass., assignor to Isthmian Metals, Inc., Boston, Mass., a corporation of Massachusetts
Application December 2, 1946, Serial No. 713,463
3 Claims. (Cl. 75—22)

3. A method of making steel bodies from powdered metal by two pressing operations, each followed by sintering in a manner to minimize die wear during the repressing operation, said method comprising the steps of compressing a powder of iron and carbon to form a coherent substantially porous body, sintering the coherent body in an atmosphere substantially in carbon equilibrium with the body at the sintering temperature to form a steel body, further sintering the body in an atmosphere of reduced carburizing potential to effect removal of substantially all of the carbon from the surface region of the steel body so that the surface is constituted by a layer of soft substantially carbon-free iron, repressing the body,



and then restoring carbon to said decarburized surface region of said body to the desired level by sintering the body in a carburizing atmosphere.

2,495,824
TRANSMISSION
August C. Ripke, Austin, Minn.
Application November 26, 1945, Serial No. 630,800
In Canada September 23, 1942
3 Claims. (Cl. 74—380)

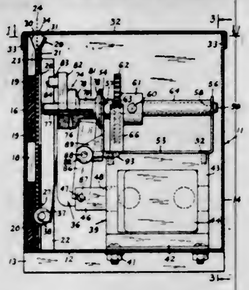


1. A transmission mechanism having means for changing direction, consisting of a train of rotating parts and comprising angularly disposed, longitudinally spaced shafts with friction gears on each end, sleeves between said shafts, and being disposed at an angle thereto, and being interiorly geared at both ends to engage said shaft gears, and means for rotatably supporting both said shafts and said sleeves.

2,495,825
AUTOMATIC STOP-RECORDER
Robert H. Roughsedge, Ramsey, N. J., and Hans G. Lustig, New York, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware
Application July 29, 1948, Serial No. 41,197
16 Claims. (Cl. 66—157)

1. An automatic stop-recorder for use with machines, comprising a recording device, means operatively connected to said recording device and to an element of said machine for operating said recording device to produce a record of the num-

ber of times said machine has stopped, and means for preventing operation of said machine until a



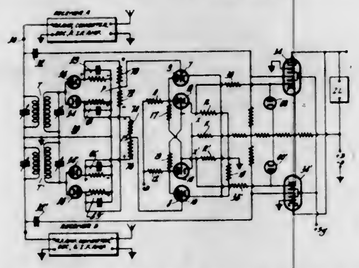
record medium has been inserted into said stop-recorder.

2,495,826

LOCKING AND CONTROL CIRCUIT IN A DIVERSITY TELEGRAPHY RECEIVER

Robert E. Schock, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application September 18, 1946, Serial No. 697,669
2 Claims. (Cl. 250—8)



2. In a diversity system, two radio receivers responsive to signal energy, a gate device coupled to each receiver, a common output circuit coupled to the gate devices, a locking circuit including a pair of electron flow devices each having a pair of output electrodes and a control electrode with one output electrode of each flow device coupled by a separate resistor to the positive terminal of a source of potential, a connection including a common resistor between the negative terminal of said source and the other output electrodes of the flow devices, means cross coupling the positive output electrodes and control electrodes of the flow devices so that when current starts to flow in one device, it is cut off in the other device and vice versa, a pair of control devices each having a positive output electrode coupled to the positive output electrode of a different one of said locking circuit devices and each having another output electrode with a common resistor coupling the last-named output electrodes to the negative terminal of said source, each of said control devices having a control electrode, and means for applying control potentials differentially to said control device control electrodes including a first full wave rectifier circuit including series load impedances excited by signals from both of said receivers, a connection between said load impedances and the control electrode of one control device, a second full wave rectifier circuit including series load impedances excited by signals from both of said receivers, and a connection between the load impedances of said second rectifier circuit and the control electrode of the other control device.

2,495,827

DIAZOTYPE MATERIALS STABILIZED WITH AN α-ALKYLIDENE-POLYMETHYLENE DICARBOXYLIC ACID

Sam C. Slifkin, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 6, 1947, Serial No. 766,877
12 Claims. (Cl. 95—6)

1. Photoprinting material comprising a light-sensitive layer containing a light-sensitive diazo compound, and as a stabilizer therefor an acid having the formula:

$$R-CH=C(-(CH_2)_n-COOH)-COOH$$

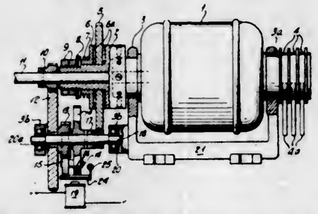
wherein R is selected from the group consisting of hydrogen, alkyl, aralkyl and aryl groups, and n is an integer from 1 to 4.

2,495,828

PHASING DEVICE FOR MOTOR STATORS

James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 29, 1945, Serial No. 631,733
10 Claims. (Cl. 178—69.5)



1. A device for use in correcting the phase of a distributor, comprising a driving motor for the brush arm of said distributor, a motor cradle having bearings in which the motor stator is mounted for rotation on an axis concentric with that of its armature, a gear train constantly driven by the armature shaft of said motor, a normally inactive gear train mechanically coupled to the stator of said motor, a counter-shaft for supporting gear members of the two said gear trains, and electromagnetically controlled clutching means having one coacting member thereof coupled to said normally inactive train and its other coacting member coupled to said constantly driven train, said means being operable to interlock the gear members on said countershaft while they make a single revolution, thereby to cause rotation of the motor stator through a predetermined angle, said clutching means being responsive to phase departures of said distributor in relation to a train of incoming signals.

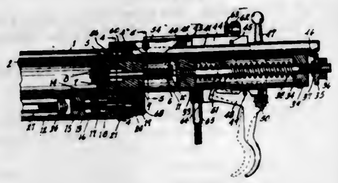
2,495,829

AIR GUN

Perry Franklin Vincent, Hillsdale, Mich.

Application July 9, 1945, Serial No. 603,898
9 Claims. (Cl. 124—13)

1. In an air gun, the combination of a barrel, an air reservoir, a spring seated firing valve, the pressure within said reservoir also acting to seat said valve, a hammer slidably supported to coact with said firing valve, said hammer having a stem provided with a tappet, a hammer actuating spring, the tension of said hammer spring being only sufficient to move said firing valve from its seat momentarily under the impact of the hammer, a bullet magazine, a slidably mounted bolt provided with a bullet chamber at its forward end projecting into said barrel when the bolt is in advanced position, said bullet chamber having a bullet receiving opening adapted to re-



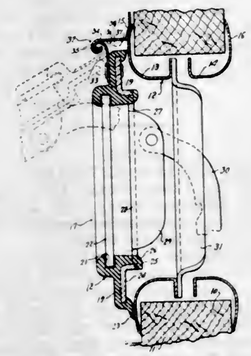
ceive a bullet from said magazine when the bolt is in retracted position and a port registering with the firing valve port when the bolt is in its firing position, said bolt being provided with a yielding bullet retainer projecting into said bullet chamber in advance of a bullet therein, a lug at the rear thereof limiting the rearward movement of a bullet in said chamber, and a trigger coacting with said hammer, said bolt having a lug coacting with said tappet on said hammer whereby the hammer is cocked on the retraction of said bolt.

2,495,830

VENTILATOR CONSTRUCTION

Carl J. Wagner, Detroit, Mich.

Application February 25, 1946, Serial No. 649,887
4 Claims. (Cl. 189—69)



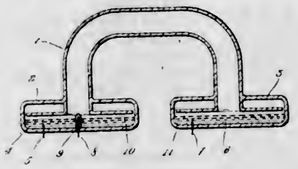
1. A ventilator comprising a reinforced frame of resilient yieldable material defining a space of predetermined area and having a continuous channel at the inner side for receiving the marginal edges of a closure, a resilient weather sealing lip projecting from the perimeter of the frame and engageable with a fixed surface in the closed position of the ventilator frame, a hinge member secured to one side of the frame and extending for substantially the full length of the latter, a second hinge member projecting from the fixed surface beyond the said one side of the frame and pivotally connected to the first hinge member, and resilient yieldable projections extending from the side aforesaid of the frame adjacent opposite ends of the hinge members and engageable with the latter and fixed surface in the closed position of the ventilator frame to seal the openings at opposite ends of the hinge members.

2,495,831

ELECTRIC DISCHARGE TUBE COMPRISING A LIQUID CATHODE AND A CAPACITATIVE IGNITION ELECTRODE PROVIDED THEREIN

Nicolaas Warmoltz, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application August 10, 1948, Serial No. 43,368
In the Netherlands September 11, 1947
3 Claims. (Cl. 250—27.5)



1. A vapor discharge tube comprising an evacuated envelope having a cathode chamber and an anode chamber, each of which chambers are provided with wall portions, an ionizable liquid electrode having a capacitative ignition electrode in the said cathode chamber, a screen member interconnecting said cathode chamber and said anode chamber and thereby providing an enclosed path for the said vapor discharge, the said screen member having a flanged portion extending substantially horizontally in the said chamber containing the said ionizable liquid electrode and spaced from the said electrode, the width of the said flanged portion between the path of the said vapor discharge and the wall portion of the said chamber being approximately five times the distance between the said flanged portion and the said liquid electrode.

2,495,832

KEYBOARD FOR CALCULATING MACHINES

Robert E. Boyden, Los Angeles, Calif., assignor to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California

Original application March 13, 1945, Serial No. 582,553. Divided and this application December 30, 1946, Serial No. 719,244
2 Claims. (Cl. 235—145)

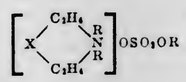


1. A keyboard comprising a plurality of juxtaposed keys arranged one behind the other, means whereby each of said keys may be depressed a

predetermined distance, each of said keys comprising a base, the sides of said base extending parallel and closely adjacent the sides of the bases of adjacent keys, a finger contacting surface having an area smaller than the cross sectional area of said base, and flat sides converging from said base to said finger contacting surface, said sides being of a length greater than said predetermined distance whereby an operator's finger, when depressing one of said keys, will not tend to strike the base of an adjoining one of said keys, and said finger contacting surface extending rearwardly and downwardly relative to the general plane of said keyboard at such an angle that when said key is depressed said surface thereof will extend in substantially the same plane as the said surface of a forward adjacent undepressed one of said keys.

2,495,833
MORPHOLINE DERIVATIVES IN VISCOSE SPINNING
Kenneth R. Brown, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 26, 1948, Serial No. 56,668
8 Claims. (Cl. 18—54)

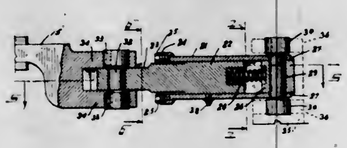
1. The process for manufacturing regenerated cellulose articles which comprises extruding a viscose solution through an orifice into a regenerating bath in the presence of a small proportion of at least one compound of the type



wherein,

X=a radical selected from the group consisting of oxygen, sulfur, sulfoxide, and sulfone.
R=an alkyl group containing from 1 to 24 carbon atoms, the three R's may be different alkyl groups within said limit, and the total number of carbon atoms in the three R's being from 8 to 26.

2,495,834
CASING TONGS
Odie Colquitt, Denver, Colo., assignor to Patents Inc., Denver, Colo., a corporation of Colorado
Application October 4, 1946, Serial No. 701,359
2 Claims. (Cl. 255—35)



2. An impact-imparting device for a well casing tong having a lever handle comprising: a stationary support; an anchor pin supported by said support; a plunger tube hingedly mounted at its one extremity on said anchor pin so as to swing only in a horizontal plane, said plunger tube being non-circular in cross-section; an elongated hammer slidably mounted in said tube and projecting from the other extremity thereof and having a cross-section corresponding thereto; means for preventing withdrawal of said hammer from said tube; an anvil at the anchor pin extremity of said tube; means for hingedly connecting the projecting extremity of said hammer to the lever handle of the tong so that rotation of said handle in one direction will cause said hammer to strike said anvil; and spring means urging said hammer away from said anvil.

2,495,835
LIGHT-COLORED ENAMELED STEEL ARTICLE
George F. Comstock, Niagara Falls, and Leon J. Frost, Lewiston, N. Y., assignors to George N. Hibben, Chicago, Ill., as trustee
No Drawing. Application October 15, 1945, Serial No. 622,491
1 Claim. (Cl. 29—195)

A light-colored enameled steel article comprising: (1) a base of killed steel containing titanium alloyed therewith, the carbon content of said steel being not in excess of about 0.15% and the weight ratio of titanium to carbon present in the steel being from about 4:1 to about 30:1; (2) a flash deposit of nickel on the surface of said base; and (3) a coat of light-colored vitreous enamel applied directly to the nickel-coated base and containing zirconium oxide as part of the frit.

2,495,836
ENAMELWARE
George F. Comstock, Niagara Falls, and Leon J. Frost, Lewiston, N. Y., assignors to George N. Hibben, Chicago, Ill., as trustee
No Drawing. Original application October 15, 1945, Serial No. 622,491. Divided and this application October 17, 1949, Serial No. 124,263
4 Claims. (Cl. 117—129)

1. A light-colored enameled steel article comprising: (1) a steel base comprising a killed steel contained titanium alloyed therewith, the carbon content of said steel being not in excess of about 0.15% and the weight ratio of titanium to carbon present in the steel being from about 4:1 to about 30:1; and (2) a coat of light-colored vitreous enamel applied directly to said base and containing as part of the frit an oxide selected from the group consisting of the oxides of antimony, molybdenum and arsenic.

2,495,837
ENAMELED ARTICLES
Frank R. Porter, Crown Point, Ind., assignor to George N. Hibben, Chicago, Ill., as trustee
No Drawing. Application April 27, 1949, Serial No. 90,049
8 Claims. (Cl. 117—53)

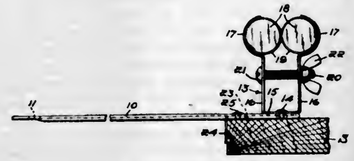
1. A light-colored enameled steel article comprising: (1) a steel base comprising a killed steel containing alloyed therewith a metal selected from the group consisting of zirconium, columbium, and vanadium, the carbon content of said steel being not in excess of about 0.15% and the weight ratio of alloying metal to carbon present in the steel being from about 8:1 to about 18:1 in the case of vanadium and from about 7:1 to about 15:1 in the case of zirconium and columbium, whereby to provide sufficient alloying metal to eliminate the yield point of the steel; and (2) a coat of light-colored vitreous enamel applied directly to said base and containing as part of the frit a light-colored adherence promoting oxide selected from the group consisting of the oxides of antimony, molybdenum, and arsenic.

2,495,838
SADDLE FIXING FOR THERMIONIC VALVE HOLDERS AND OTHER ELECTRICAL COMPONENTS
Stanley Thomas Deakin, Ewell West, England, assignor to British Mechanical Productions Limited, Leatherhead, England, a British company
Application July 6, 1945, Serial No. 603,520
In Great Britain April 17, 1944
3 Claims. (Cl. 173—339)



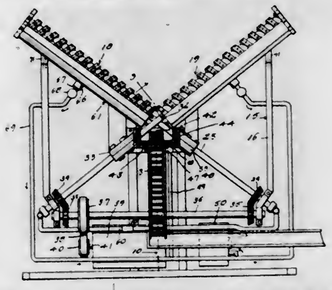
1. A thermionic valve holder comprising an insulating barrel, contacts supported on the barrel, and an attachment saddle consisting of a substantially flat plate surrounding the barrel and secured to the barrel intermediate in the length thereof by two sets of spaced tongues of which the tongues of at least one set are upstanding from one face of the plate and are so bent that their ends engage ledges formed in the circumferential wall of the barrel on one side of the saddle to prevent movement of the saddle along the barrel in the direction of that side and of which the tongues of the other set engage ledges in the barrel to prevent movement of the saddle along the barrel in the other direction, the barrel having the same circumferential dimension on each side of the saddle, and the upstanding tongues aforesaid being each of two-pronged construction splayed apart at their ends to engage the ledges on the barrel as aforesaid.

2,495,839
KNIFE SHARPENER
John J. Flechter, Willow Grove, Pa.
Application July 10, 1948, Serial No. 38,000
2 Claims. (Cl. 51—214)



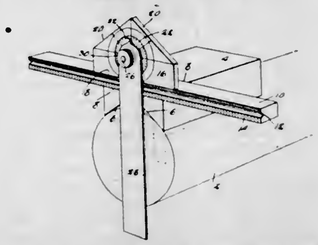
1. A knife sharpener, comprising a flat handle member widened at one end to provide a supporting base, a head fixed to said handle member at said widened end and comprising a U-shaped member, the web of which extends transversely across the handle member and the legs of which extend upwardly therefrom in spaced apart, substantially parallel relationship, said legs at their upper ends terminating in oppositely disposed, outwardly bowed portions providing seats or bearings, a pair of sharpening rollers mounted in said seats or bearings, and a threaded bolt extending transversely across said legs and anchored at one end to one leg and at its other end provided with a nut for maintaining the rollers in fixed relationship to each other.

2,495,840
OIL SHALE MINING MACHINE
John G. Findlater, Baker, Mont.
Application March 16, 1946, Serial No. 654,969
9 Claims. (Cl. 262—19)



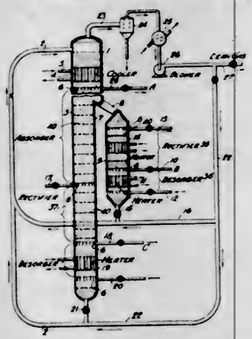
1. A mining machine comprising a frame, a plurality of superposed horizontally disposed and forwardly divergent spiral digging members at the forward end of said frame, said members having passages therein for receiving and discharging a heating medium, means for rotating said members, and means for communicating said passages with a heating medium.

2,495,841
SURFACE GAUGE
Homer Fink, Topeka, Kans.
Application June 13, 1946, Serial No. 676,504
1 Claim. (Cl. 33—93)



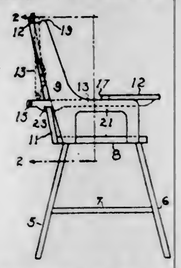
A gauge adapted for use with cylindrical work and comprising a longitudinally disposed block having a V-shaped groove formed in the lower work engaging surface thereof, providing spaced work engaging edges, said block having a lateral groove formed in its upper edge, the groove extending inwardly from one end of the block, a straight edge calibrated bar, a screw extending through the bar embedded in the block removably securing the bar within the lateral groove, the ends of the calibrated bar extending substantial distances beyond the sides of the block, the longitudinal edge of the bar having the calibrations, being formed with a groove disposed intermediate the upper and lower surfaces of the block, providing spaced longitudinal surfaces differently calibrated, a calibrated head having a straight lower edge and converging upper edges converging towards a center line drawn through the head, said calibrated head being slidable on the bar, a scribing arm pivotally supported on the head, a pointer on the pivot end of the scribing arm cooperating with the calibrations on the head in measuring, and means for securing the arm in adjusted positions with respect to the calibrations on the head.

2,495,842
FRACTIONATION OF GASES WITH SOLID ADSORBENTS
Edwin R. Gilliland, Arlington, Mass., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 9, 1947, Serial No. 721,114
17 Claims. (Cl. 183—4.2)



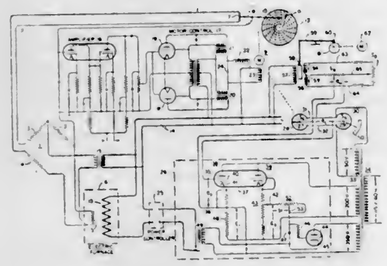
1. An improved process for concentrating an intermediate fraction B from a fluid mixture also containing a less readily adsorbed component A and a more readily adsorbed component C by means of a granular solid adsorbent, comprising passing said adsorbent downwardly through a primary column having a primary adsorption zone above the feed and primary rectification and desorption zones below the feed, removing a portion of said descending adsorbent containing components A and B, but substantially free of component C, from said primary adsorption zone at a point substantially above the feed and passing this removed adsorbent downwardly through a secondary column containing secondary rectification and desorption zones, feeding said fluid mixture to the middle of said primary column, removing unadsorbed fluid component A from the top of said primary adsorption zone, removing desorbed component C from the primary desorption zone, removing desorbed component B in a state of high purity from said secondary desorption zone, while passing a portion of desorbed component B upwardly through said secondary rectification zone to displace component A from the descending adsorbent therein.

2,495,843
CHILDREN'S HIGH CHAIR DEVICE
Marlow Glenn, Twin Falls, Idaho
Application December 24, 1945, Serial No. 637,141
2 Claims. (Cl. 155—127)



1. A tray attachment for a chair, said chair having a seat, opposite arms carried by opposite sides of the seat, the rear ends of said arms terminating in upwardly extending members, a back between said upwardly extending members, opposite sides of said back having vertical cutaway portions thereby forming vertically elongated tray arm receiving passages between the upwardly extending members and opposite sides of the back, said tray being wider than the distance between the chair arms, rearwardly extending arms carried by the tray to the inside of the chair arms and extending through the vertically elongated opening formed by the chair back, the rear ends of said tray arms having notches in their under faces, said notches cooperating with shoulders in the back formed by the vertically elongated openings stop pins carried by the rear ends of the tray arms and overlying the rear side of the back, the upper ends of the vertical passages in the back terminating in inwardly extending recesses through which the tray arms and pins will pass into and out of engagement with the chair back.

2,495,844
CONTROL SYSTEM
Anthony J. Hornfeck, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application June 6, 1946, Serial No. 674,752
13 Claims. (Cl. 236—46)



1. A furnace control system comprising a furnace; a heater for said furnace; an "on" and "off" control device for the heating medium for said heater; a temperature indicating system for said furnace including a network having an element responsive to furnace temperature adapted to unbalance the same, and rebalancing means for the network including a reversible motor for indicating the degree of unbalance and hence the temperature; a balanceable control bridge having connected, commercial frequency alternating current energized potentiometers each with a slider, one slider being connected for movement by said motor, means to adjust the other slider to designate a desired standard temperature for the furnace; phase sensitive means energized from the alternating current signal potential developed between said sliders to actuate said device to "on" when the furnace temperature is below said standard and to actuate said device to "off" when the temperature is above said standard; means to produce an alternating current signal potential of the said commercial frequency periodically cycling at a slow rate between zero and a maximum with alternate cycles in and out of phase with said first signal potential; and means to combine said signal potentials for joint control of said device.

2,495,845
TEXTILE SIZING COMPOSITION
George D. Jefferson, Kennett Square, Pa., and Richard D. Fine, Merchantville, N. J., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1946, Serial No. 716,878
13 Claims. (Cl. 260—28.5)

1. A textile sizing composition comprising a water-sensitive hydroxylic polyvinyl resin; boric acid; a water-insoluble scourable wax which is incompatible with said resin and which consists of a compound selected from the class consisting of (1) partial esters of neutral polyhydroxylic organic compounds with from 2 to 6 carbon atoms and saturated fatty acids with from 16 to 30 carbon atoms, (2) diesters of hexides and saturated fatty acids with from 16 to 30 carbon atoms, (3) water-insoluble esters of polyoxyalkylene ethers of neutral polyhydroxylic compounds with from 2 to 6 carbon atoms, and saturated fatty acids with from 16 to 30 carbon atoms, and (4) water-insoluble polyoxyalkylene ethers of partial esters of neutral polyhydroxylic organic compounds with from 2 to 6 carbon atoms, and saturated fatty acids with from 16 to 30 carbon atoms; and a non-ionic water-soluble emulsifier for emulsifying said wax in an aqueous solution of said resin and said boric acid, said emulsifier consisting of an organic compound with an aliphatic hydrocarbon portion with from 10 to 18 carbon atoms and a polyoxyethylene portion containing a sufficient number of oxyethylene groups to render the compound water-soluble.

2,495,846
COMBINED MOP AND WRINGER HEAD
John M. Johnson, Saco, Maine
Application February 5, 1945, Serial No. 576,331
6 Claims. (Cl. 15—120)



1. In a mop structure, the combination of a tubular handle, a plunger slidably mounted in said handle, a member on each lower end portion, respectively, of said tubular handle and said plunger cooperating to support a mop; said plunger including upper and lower members having a telescoping connection with each other and a friction connection between them strongly resisting, but permitting, telescoping action; said members being slidable in unison and also independently inside said tubular handle and being connected together inside said tubular handle to prevent rotative movement of one relatively to the other, whereby said plunger may be extended to elongate the mop for wringing and contracted to return the entire assembly to its normal length, the plunger being supported in said tubular handle for rotative movement relatively thereto to wring the mop.

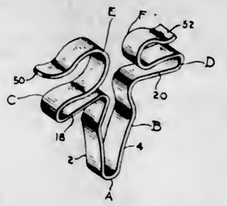
2,495,847
HONEYCOMB ELASTIC FABRIC
Kenneth W. Kerr, Dayton, Ohio, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 18, 1949, Serial No. 71,429
3 Claims. (Cl. 139—421)

1. An elastic fabric having a honeycomb weave, said fabric being formed of warp and weft yarns interwoven and floated to different degrees to produce longitudinal and transverse rows of cells with ridges between them, and having interwoven therewith along the ridges that extend in one



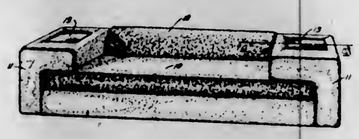
direction highly twisted and coiled textile yarns possessing good elastic properties and adapted yieldingly to contract the fabric and thereby increase the depth of the cells and render the fabric elastic.

2,495,848
SPRING CLIP
Bernhard F. Kiesel, Detroit, Mich., assignor of one-half to Bertha K. Kiesel
Application April 6, 1948, Serial No. 19,270
2 Claims. (Cl. 24—81)



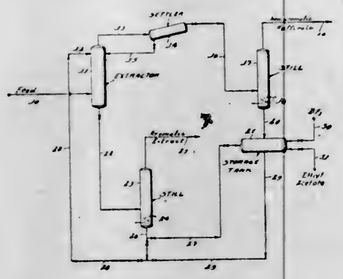
1. A snap fastener device for attaching two tubing or similar elements to a perforated supporting structure, said device being formed from a single narrow strip of spring metal of uniform width and comprising a part adapted to be inserted substantially entirely through a perforation in said supporting structure and being formed by bending the central part of the strip to provide a nose and parts diverging from the nose, parts converging from the ends of said diverging parts and adapted to be positioned within one of said perforations and to resiliently engage the lower surface of the supporting structure when said part is passed through the perforation into assembled position, two tubing-receiving parts adapted to be positioned on the opposite side of the supporting structure from the nose and other parts which are inserted through the perforation therein and being formed by bending the strip between the ends thereof and the adjacent ends of the converging arms to provide two oppositely-facing, outwardly and laterally opening tubing receiving parts, and means formed by bending the strip between each of said converging parts and the adjacent tubing-receiving part to provide a pair of elongated resilient arms which extend laterally and outwardly in opposite directions, the outer ends of said arms resiliently engaging the upper surface of the supporting structure when the clip is in assembled position.

2,495,849
SOFA
Samuel Kris, Denver, Colo.
Application November 29, 1948, Serial No. 62,529
2 Claims. (Cl. 155—112)



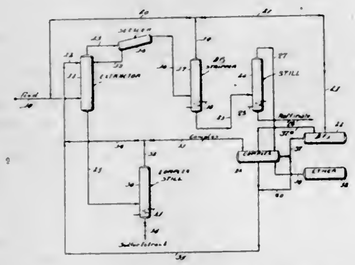
1. A sofa comprising: an upholstered seat portion; an arm portion at each extremity of said seat portion, each of said arm portions extending upwardly at an end of said seat portion, thence extending inwardly over the extremity of said seat portion; a top board supported in said arm portions, said board extending over the extremities of said seat portion and outwardly therefrom; a table top of less area than said top board mounted on the mid-portion of the latter; and padded upholstering extending upwardly on the front, back, and sides of said arm portions, thence extending inwardly over said top board and terminating about the periphery of said table top.

2,495,850
PROCESS OF EXTRACTING AROMATIC HYDROCARBONS
Arthur P. Lien, Hammond, Ind., and Bernard L. Evering, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 27, 1946, Serial No. 718,854
11 Claims. (Cl. 196—14.25)



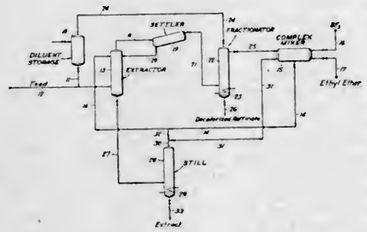
2. The method of extracting aromatic hydrocarbons from a mixture comprising normally liquid aromatic hydrocarbons and normally liquid non-aromatic hydrocarbons, comprising extracting said mixture at a temperature within the range of from about 50° F. to about 150° F. with a complex of boron fluoride with an oxygenated alkane compound having not more than about 5 carbon atoms in the alkyl group, in sufficient quantity to form a diphasic separation, separating a fraction comprising essentially said non-aromatic hydrocarbons and a minor amount of said complex, and a fraction comprising essentially aromatic hydrocarbons dissolved in said complex.

2,495,851
DESULFURIZATION OF ORGANIC SUBSTANCES
Arthur P. Lien, Hammond, Ind., and Bernard L. Evering, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 27, 1946, Serial No. 718,855
11 Claims. (Cl. 196—24)



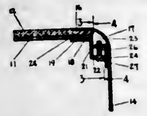
1. The method of desulfurizing a sulfur-bearing hydrocarbon material comprising extracting said hydrocarbon material at a temperature within the range of from about 50° F. to about 150° F. with a solvent comprising essentially a complex of boron fluoride with an oxygenated alkane compound having not more than about 5 carbon atoms in the alkyl group and an excess of boron fluoride said solvent being used in an amount sufficient to give a diphasic separation.

2,495,852
DECOLORIZING ORGANIC SUBSTANCES
Arthur P. Lien, Hammond, Ind., Bernard L. Evering, Chicago, Ill., and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 28, 1947, Serial No. 731,444
14 Claims. (Cl. 196—14.25)



1. The method of decolorizing an organic material comprising extracting an organic material containing color bodies with a solvent consisting essentially of a complex of boron fluoride with an oxygenated alkane compound having not more than about 5 carbon atoms in the alkyl group, in the presence of an aliphatic hydrocarbon diluent, said complex being used in amounts sufficient to give a diphasic separation of a raffinate comprising essentially a substantially decolorized organic material, and an extract phase comprising essentially said complex and the color bodies extracted from said organic material.

2,495,853
SINK AND DRAINBOARD STRUCTURE
Hugo Lindgren, Jamestown, N. Y.
Application February 27, 1946, Serial No. 650,497
2 Claims. (Cl. 4—187)

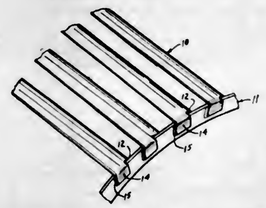


1. A structure of the class described comprising a sink having side walls, flanges terminating the edges of said walls, a shelf having an aperture of a size to receive the body portion of said sink, a marginal portion of the edge forming said aperture adapted to be engaged by said flanges, a bracket permanently joined to said shelf and extending into said aperture, another bracket permanently joined to said sink and in spaced superposed relationship with said shelf bracket, and means operable to move the sink bracket in a direction to effect pressure engagement of said sink flanges with the marginal portion of said shelf.

2,495,854
LOW ALLOY STEEL CONTAINING TITANIUM
Edgar Marburg, Pittsburgh, Pa.
No Drawing. Application August 14, 1942, Serial No. 454,835
5 Claims. (Cl. 75—125)

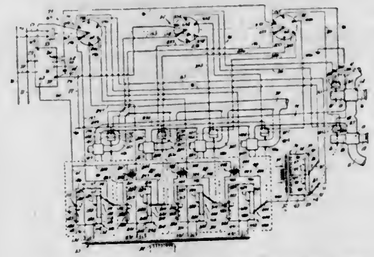
1. A low-alloy high-strength structural steel composed of from substantially 0.02% to 0.20% carbon, 0.10% to 1.50% manganese, 0.02 to 0.20% phosphorus, sulphur, residual to 0.05%, 0.02 to 1% silicon, 0.02 to 1% copper, 0.30% to 2% chromium and 0.02 to .30% titanium, the balance being essentially iron.

2,495,855
TURBINE IMPELLER WHEEL
Reuben James Marcoe, Hermansville, Mich., assignor to Furblo Company, Hermansville, Mich.
Application July 17, 1946, Serial No. 684,326
1 Claim. (Cl. 253—77)



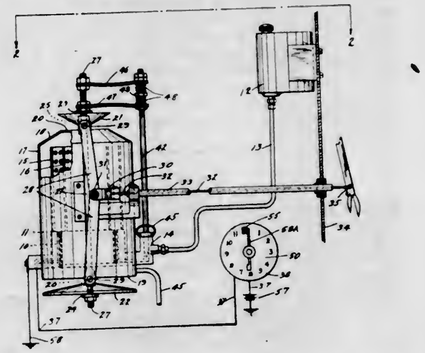
An improved turbine wheel comprising a pair of spaced apart concentric annular rings, a plurality of axially disposed blades fixed on said rings and extending therebetween, each of said blades being formed of an elongated arcuate strip of metal, a rearwardly and outwardly opening notch cut in each of the opposite corners of the trailing edge of said blade to provide an attaching ear on each end thereof as a continuation of the leading edge of said blade, said ears being bent at right angles to the remainder of said blade over the periphery of the adjacent rings and engaging and secured to the outer faces of said rings, said leading edges being disposed above said periphery and said remainder of said blades being inclined towards the axis of rotation of said rings.

2,495,856
CONTROL APPARATUS
David L. Markusen, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 6, 1946, Serial No. 660,099
20 Claims. (Cl. 257—3)



13. In control apparatus, a plurality of electrical network circuits, means for altering the balance of at least two of said network circuits, means for partially rebalancing each of said network circuits, means responsive to the cumulative unbalance of the partially rebalanced networks, and means for rebalancing the said cumulative unbalance of said networks.

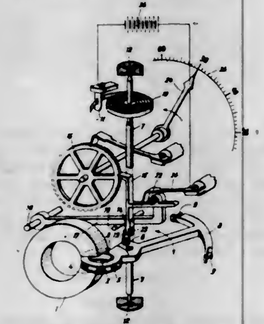
2,495,857
LIQUID FUEL BURNING HEATER AND DAMPER CONTROL
Quido P. Massare, Windham, Ohio
Application April 16, 1947, Serial No. 741,799
3 Claims. (Cl. 158—42.4)



1. A heating device including a circular liquid fuel burner, a cylindrical housing positioned thereon and extending thereabove and having an outlet orifice at its uppermost end, an inlet orifice in the said burner and dampers movably disposed adjacent the said heating device for registry with the said orifices, means for controlling the said dampers for moving them into registry with the said orifices so that the fire in the heating device may be extinguished thereby, said means including a vertically positioned guide rod positioned axially of the said burner and housing and extending thereabove and therebelow, guide rod brackets slidably disposed on the said guide rod and connected to the said dampers and a pair of arms pivoted at their outermost ends to the said guide rod brackets and to one another at their

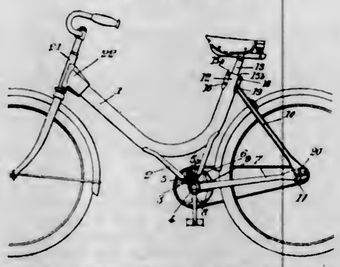
innermost ends, and a manually operated lever connected to the said arms at their point of pivotal connection for imparting movement thereto to move said dampers.

2,495,858
ELECTRICAL MOVEMENT FOR TIMEKEEPERS
Fritz Marti, La Chaux-de-Fonds, Switzerland
Application December 30, 1947, Serial No. 794,522
In Switzerland May 29, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 29, 1961
7 Claims. (Cl. 172—126)



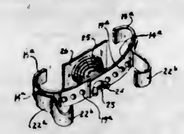
1. In an electrical movement for time-keepers, wheels, a permanent magnet, a solenoid arranged to move between the poles of said permanent magnet, a lever, an oscillating mechanism pivoted on said lever and in drive connection with said wheels, a switch electrically connected to said solenoid to feed the latter with direct current, said switch including contacts one of which is firmly connected with said solenoid, the other contact being provided on said oscillating mechanism organised to be oscillated on said former contact striking against said contact on the oscillating mechanism.

2,495,859
FRAME FOR BICYCLES
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe d'Appareils de Controle et d'Equipement des Moteurs (S. A. C. E. M.), Neuilly-sur-Seine, France, a limited-liability company of France
Application August 25, 1947, Serial No. 770,459
In France September 3, 1946
3 Claims. (Cl. 280—281)



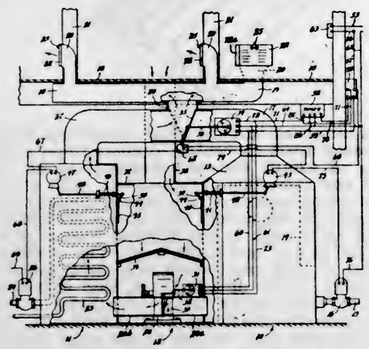
1. A light vehicle frame which comprises, in combination, an open frame main bent tube, a sheet metal crank hanger support welded to the under side of said tube at the bend thereof, a crank hanger tube carried by said support, the rear end of the main bent tube being partly flattened along the ends of a diameter located in the longitudinal plane of symmetry of said main tube, and rounded between said flattened portions to form a housing for a saddle tube of a diameter smaller than that of said main tube, and two pairs of stamped metal rods of U-shaped section forming respectively the bottom elements and struts of the rear fork, the first pair being fixed at the front end to said crank hanger tube and the second pair at the top end to the rear flattened portion of the rear end of said main tube, the rear ends of said elements being flattened and assembled together, respectivly.

2,495,860
AUTOMOBILE DOOR SAFETY LOCKING DEVICE
Moses Miller, Brooklyn, N. Y.
Application June 5, 1946, Serial No. 674,426
6 Claims. (Cl. 292—258)



1. An automobile door locking device comprising a pair of clamping arms having alignable openings in overlapped ends, handle pieces attached to said arms and presenting finger grip ends, means for adjustably connecting said arms to vary the spread thereof and secure said arms in horizontal alignment, said connecting means being operable to provide pivotal folding movement between the parts, and said connecting means comprises a bolt for selective engagement with the openings of said arms.

2,495,861
ALL YEAR CONDITIONING APPARATUS
Alwin B. Newton, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 18, 1945, Serial No. 588,952
24 Claims. (Cl. 257—3)



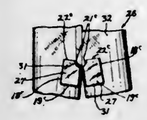
24. In air conditioning apparatus, conduit means, flow control means for variably restricting air flow through said conduit means, heat exchange means located within said conduit means, adjustable means for controlling said heat exchange means, mechanical means for forcing air through said conduit means, and control apparatus including movable means responsive to air pressure in said conduit means downstream from said mechanical air forcing means connected in controlling relation to said adjustable means.

2,495,862
BUILDING CONSTRUCTION OF PREDETERMINED CHARACTERISTICS
Emery S. Osborn, Auburn, N. Y.
Application March 10, 1945, Serial No. 581,981
4 Claims. (Cl. 20—4)



1. A preformed structural unit for forming building walls and partitions including a body portion, a male element of an interlocking key means extending along one side edge of said body portion for substantially the full length thereof and a female element of an interlocking key means extending along the opposite side edge for substantially the full length thereof, said body portion including a pair of spaced parallel panel elements, at least two stud members placed between said panel elements in parallel relation to and spaced predetermined distances inwardly of said side edges, each of said male and female elements having a pair of inwardly directed parallel flange portions, said flange portions being integral with and extending the full length of said male and female elements and engaging the side edges of each of said stud members for the full length thereof and lying between said side edges and the inner faces of the panel elements.

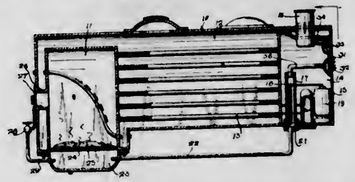
2,495,863
WATERPROOF SHIELD FOR MEN'S UNDERGARMENTS
Julius J. Paige, Brooklyn, N. Y.
Application March 13, 1946, Serial No. 654,060
5 Claims. (Cl. 2—231)



1. In an undergarment, having a crotch and an openable fly, a pair of sanitary shields oppositely disposed about the crotch and the lower portions of the fly and covering frontal portions of said garment, each shield comprising an open mouthed pocket, a removable waterproof member capable of being inserted into and fitting flatly within the pocket, and fastening elements consisting of a button hole in the waterproof member, a button hole in the garment and a button secured to the pocket near its mouth, said fastening elements being capable of engaging to close the mouth of the pocket and retain the waterproof member therein.

2,495,864
SMOKE CONSUMER FOR LOCOMOTIVES
Michael J. Pekich, Brooklyn, N. Y.
Application September 28, 1946, Serial No. 700,104
1 Claim. (Cl. 110—50)

In a locomotive having a fire box, a grate in said firebox, and including means forming a closed chamber beneath said firebox and a smoke compartment forward of the locomotive with fire tubes connecting said fire box to said smoke compartment and a pipe connected at one end to the closed chamber and having its other end extended vertically upward into the smoke chamber for conveying smoke from the smoke chamber to the closed chamber for reburning in the fire box, a source of compressed air in the smoke compartment, a second pipe of a diameter smaller than the first pipe connected at one end to said source of compressed air and having its other end extended into the first pipe at one side thereof, said second pipe having its open end within the first pipe directed away from the open end of the first pipe so that air under pressure entering the first pipe and passing therethrough to the closed chamber will cause a partial vacuum within the open end of the first pipe in the smoke chamber to cause smoke to enter the first pipe

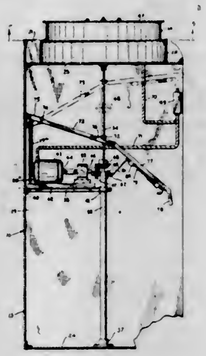


and be carried to the closed chamber by the compressed air, and a third pipe within the smoke chamber and having one end surrounding an opening formed in the front wall of the smoke chamber so that cold outside air will enter said third pipe as the locomotive moves in a forward direction, said third pipe having its other end reduced to a diameter less than the diameter of the first pipe and extended into the open top end of the first pipe within the smoke chamber, said third pipe terminating within the first pipe above the point where said second pipe enters the side of the first pipe causing cold outside air to be carried into the first pipe to mix with the smoke which enters the first pipe to form a combustible mixture, a fourth pipe, said fourth pipe having one of its ends connected to said chamber, the other end of said fourth pipe entering said fire box above said grate, and a valve in said fourth pipe for controlling the amount of smoke to be admitted to said fire box above said grate.

2,495,865
POPCORN MACHINE
Ronald R. Perkins, Dallas, Tex.
Application October 30, 1947, Serial No. 783,205
6 Claims. (Cl. 99—238.5)

1. A popcorn machine comprising an upright casing, a heater housing on the upper end of said casing, said housing including a cylindrical side wall and a top wall formed with upwardly curved marginal edges, said top wall constituting a hot plate, a heating element in said housing, a vertically disposed rotary shaft extending through said housing, a cover fixed to said shaft and adapted when in lower operative position to overlie said top wall, agitating arms fixed to said shaft above said top wall, a power member in said casing, a

driving connection between said power member and said shaft, and means in said casing correlated with said shaft for moving the latter endwise.

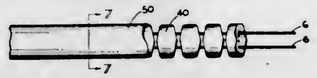


2,495,866
KNIFE CASE
Alfred A. Perry and Clyde E. Brown, Syracuse, N. Y.; said Brown assignor to said Perry
Application November 7, 1946, Serial No. 708,212
2 Claims. (Cl. 211—60)



1. A device for holding knives comprising a back wall bent forwardly at its lower end to form a bottom, an upstanding flange at the front and side edges of the bottom, a forward wall resting on said bottom, the side edges of said forward wall being curved inwardly to bear against the back wall, a horizontal cover supported on the upper edge of the front wall, and having slots for receiving the lower bladed ends of knives, said bladed ends of knives being suspended in the case between the back wall and forward wall, the handle ends of said knives extending upwardly from said horizontal cover, a metal strip positioned along the outer edges of the cover, means carried by the back wall for attaching said back wall to a supporting wall, and forwardly and inwardly inclined flanges on the vertical edges of the back wall, said first and second named flanges and said metal strip forming a border behind which the front wall is framed.

2,495,867
METHOD OF MANUFACTURING FIRE DETECTOR AND LIKE ELEMENTS
Melville F. Peters, Newark, N. J., assignor to Petcar Research Corporation, Newark, N. J., a corporation of New Jersey
Application January 14, 1948, Serial No. 2,344
5 Claims. (Cl. 18—47.5)



1. The method of manufacturing a continuous flexible cable comprising at least one wire and a plurality of beads of insulating material surrounding and fused thereto and spaced along the length thereof, which comprises the steps of forming about the wire a solid continuous cylinder of material containing an ingredient which is fused by heating and an ingredient which is removed by heating, and heating the assembly sufficiently to remove the heat-removable ingredient and fuse the fusible ingredient.

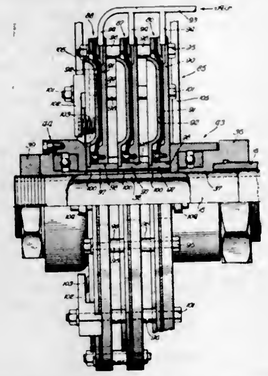
2,495,868
DETONATOR
James T. Power, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application January 30, 1946, Serial No. 644,264
6 Claims. (Cl. 52—4)



1. A fuse cap comprising a shell, a base charge comprising completely nitrated dextrose catalytic polymer containing an average of no more than about 35 glucose units per molecule, and a primer charge.

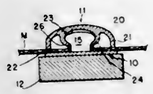
2,495,869
AIR CYLINDER
William F. Schroeder, Chicago, Ill.
Application March 1, 1944, Serial No. 524,830
4 Claims. (Cl. 279—4)

1. A fluid operated actuator for imparting relative endwise movement to a pair of coacting rotatable members comprising a first thrust bearing connected with one of said members, a second thrust bearing connected with the other of said members, and an expansible unit disposed between said bearings and surrounding at least one of said members in circumferential spaced relation thereto, whereby said bearings cooperate with said unit to cause said one member to move relatively with respect to said other member when said unit is expanded, said expansible unit comprising a plurality of diaphragm supporting plates, connecting means to hold said plates together, a plurality of movable plates having connecting means to impart movement of each movable plate to each adjacent movable plate, and resilient means to normally maintain



said movable plates and diaphragm plates in nested inoperative relation.

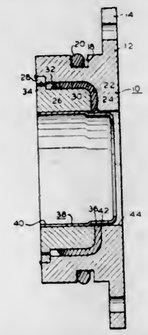
2,495,870
TRIM ATTACHING DEVICE
George J. Soukup, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burburbank, Calif.
Application November 6, 1944, Serial No. 562,201
12 Claims. (Cl. 189—88)



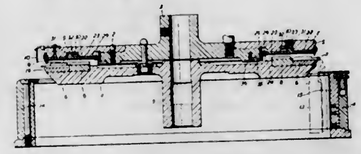
1. Means for attaching fabric or similar material to a support comprising an elongate attaching strip to be secured to the support where it is covered by the material, longitudinally spaced lugs projecting from the attaching strip and received in openings in the material to hold the material on the support, and a mould strip having snap engagement on the lugs and holding the material on the lugs.

2,495,871
FLUID SEALING DEVICE
John H. F. Stewart, Detroit, Mich.
Application October 20, 1945, Serial No. 623,502
5 Claims. (Cl. 286—1)

1. A shaft seal cartridge comprising a fluid seal of the type having both rigid and flexible annular parts, the rigid part of which has only a small clearance with the mating part which is to be sealed, and a protector comprising a rigid sleeve having a smoothly-rounded end portion adapted to gradually compress the flexible part of the fluid seal when being assembled therewith and having its largest outside diameter no greater than the smallest inside diameter of the rigid part of the fluid seal, the protector having one tubular portion with internal and external diameters capable of telescoping between the rigid part and the mating part and having another portion with internal and external diameters differing from those of the one tubular portion such that the flexible part when resting on the other portion of the protector prior to use may project at least to its normal position of use, and means forming a tapered merging surface between said portions whereby the flexible part may be compressed without damage during installation of the seal and removal of the protector.



2,495,872
CIRCULAR KNITTING MACHINE OF THE INDEPENDENT NEEDLE TYPE
Edward Victor Stibbe and Bert Smith, Leicester, England
Application November 26, 1947, Serial No. 788,260
In Great Britain December 2, 1946
6 Claims. (Cl. 66—27)

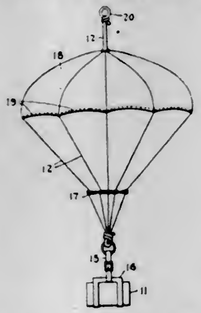


1. In a circular knitting machine, in combination, a series of independent loop forming instruments, a multiplicity of angularly spaced feeds, a cam system including at least one adjustable cam at each of said feeds for effecting movements of the said loop forming instruments, members to which said cams are attached, screws for adjusting the said members, pinions on the screws, a common annular indexing gear with which the said pinions are arranged in mesh, and means for turning the said indexing gear and thereby effecting simultaneous adjustment of the aforesaid cams.

2,495,873
PAPER PARACHUTE
James H. Strong, Yardley, Pa.
Application December 7, 1948, Serial No. 63,973
6 Claims. (Cl. 244—142)

1. A light parachute assembly for operating at high altitudes comprising a canopy of smooth waterproof paper-like material, provided with a strengthening means around the skirt, shroud lines of a material having more resiliency than said canopy material secured to the canopy at its peak and free to slip lengthwise upon the canopy elsewhere, the upper ends of said shroud lines extending above the peak for attachment to a suspending means, said shroud lines passing over the outer surface of the canopy from peak to skirt, and means below the canopy attached to and

holding said shroud lines in circumferentially spaced relation with respect to each other and said canopy while providing for independent ex-



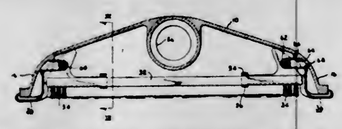
tension thereof, said canopy being held partly open during ascent whereby freezing and tearing of said canopy in service is prevented.

2,495,874
TOBACCO SPEARING MACHINE
Edmund J. Stula, Rockville, Conn.
Application January 13, 1948, Serial No. 2,119
6 Claims. (Cl. 214—5.5)



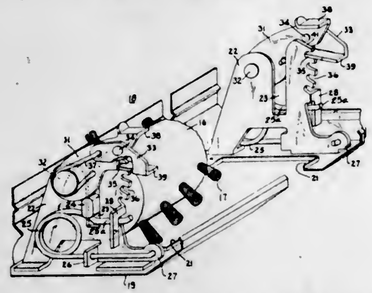
1. A machine of the character described for spearing tobacco plants onto a lath; the said machine comprising a frame, slide bars oppositely disposed in said frame, means for supporting a lath between said slide bars, a plurality of dogs equally spaced and pivotally carried on said slide bars above and below the axis of said lath, a header slidable in said frame, operating bars interconnected to said dogs and operable by said header to move them into stem engaging position by initial movement of said header, and means for locking said dogs in said last named position whereby, upon continued movement of said header, the said dogs will be simultaneously moved forwardly along said lath to move stems thereon for predetermined distances.

2,495,875
NOZZLE FOR SUCTION CLEANERS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 8, 1945, Serial No. 621,059
1 Claim. (Cl. 15—373)



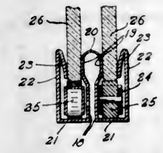
A suction cleaner nozzle comprising an elongated body having an elongated suction opening in the underside thereof and adapted to be moved over a surface to be cleaned, an elongated brush disposed adjacent said suction opening for engaging the surface to be cleaned, two rocker members disposed at the opposite ends of the nozzle for supporting said brush on said body, each rocker member comprising two arms disposed on opposite sides of the brush and extending along the brush inwardly from the end thereof, an end portion disposed beyond and opposite the end of the brush and connecting said arms, and a shoe or surface contacting portion carried at the lower end of said end portion and projecting outwardly therefrom, the arms of each rocker member being pivoted to said body at a point intermediate the length of the arms on an axis extending transversely of the body, said brush being supported by said rocker members at the ends of the arms remote from said end portions and being raised and lowered by rocking movement of said rocker members, and means for biasing each rocker member in the direction to raise the brush, said brush being adapted to be lowered into engagement with the surface to be cleaned by downward pressure on said body.

2,495,876
BRUSH ROLL ADJUSTMENT FOR SUCTION CLEANERS
Charles H. Taylor, West Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 9, 1946, Serial No. 702,343
1 Claim. (Cl. 15—368)



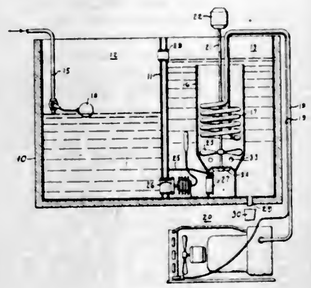
In a suction cleaner, the combination of a brush roll support having two spaced support members formed with relatively deep slots, a rotatable brush roll having projections extending from the ends thereof and adapted to be received in said slots, each support member having a spring-biased member extending across the slot and biasing the projection from the closed end toward the open end of the slot, and a retaining member pivoted to each support member and extending across said slot adjacent its open end, said retaining member bearing against said projection to hold the same in various adjusted positions against said spring-biased member, and means for latching said retaining member in any one of a plurality of said various adjusted positions, each support member being formed with a plurality of notches and a cam surface, and said latching means comprising a pawl pivoted to said retaining member, said pawl being spring-pressed to enter said notches and being moved by said cam surface against the spring pressure thereon to permit said retaining member to move until said pawl enters the first notch, when said retaining member is moved into position extending across said slot.

2,495,877
STORM SASH
Milton R. Theilman, Cincinnati, Ohio, assignor to Leo Demsey, Cleveland, Ohio
Application October 6, 1945, Serial No. 620,789
1 Claim. (Cl. 20—55)



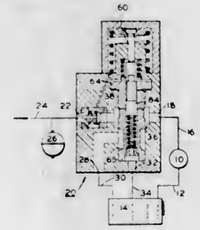
A frame structure for a storm sash which includes top, bottom and side rails joined at their ends to form a rectangular frame, each such rail comprising a pair of longitudinally spaced parallel channels, a longitudinally extending enlarged arched head yieldingly joining the edges of adjacent flanges of the channels, and inturned longitudinally extending yielding tongues carried by the edges of the flanges of the channels remote from those joined by the head, said tongues cooperating with the head in effecting a dust and weather tight junction between the channels and glasses mounted therein, and a roller carriage mounted in each channel of the bottom rail of the frame upon which the lower edge of a glass rests.

2,495,878
BEVERAGE COOLING APPARATUS HAVING A QUICK COOLING RESERVOIR
Robert H. Tull, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 27, 1946, Serial No. 693,253
5 Claims. (Cl. 62—141)



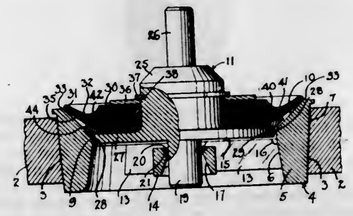
1. Liquid cooling apparatus comprising a storage tank from which liquid may be periodically withdrawn for useful purposes and to which additional liquid may be periodically supplied to replace that withdrawn, a partition wall dividing the tank into two compartments, a refrigerant cooling unit in one of said compartments for cooling the liquid therein to dispensing temperature, a source of liquid supply to the other compartment, and thermal responsive means controlling flow of liquid from the second compartment to the first compartment in response to the temperature of liquid in the first compartment.

2,495,879
UNLOADING VALVE
Edward J. Vander Velde, Huntington Woods, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application August 16, 1944, Serial No. 549,766
18 Claims. (Cl. 137—153)



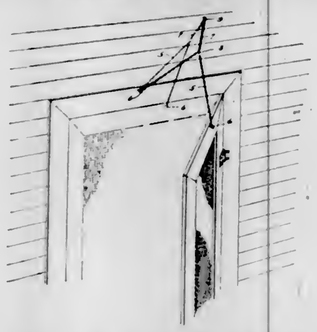
1. An unloading valve constructed for use in a hydraulic power system having a pump, a tank, and an accumulator, comprising a body having a pump port, a tank port and an accumulator port, a main valve shiftable in said body and adapted when open to connect the pump and tank ports and when closed to block communication therebetween, hydraulic operating means for shifting said valve, and a pressure responsive pilot valve hydraulically connected to control the operating means, said pilot valve and main valve being telescopically arranged with pilot valve ports conjointly controlled thereby, said valves moving in opposite directions to operate the main valve whereby positive operation of the main valve through its full stroke is assured.

2,495,880
SLUSH PUMP VALVE
Alexander S. Volpin, Houston, Tex.
Application January 22, 1944, Serial No. 519,281
5 Claims. (Cl. 251—127)



1. A slush pump valve and seat assembly, said valve comprising a body, a flange thereon, a resilient seal ring on said flange, said seat comprising an annular seat ring, stop means therein to stop the closing movement of said valve, tapered faces on each said seal and seat rings, said flange having its periphery fitting loosely into the annular opening of said seat ring whereby an annular space is formed between the periphery of said flange and the periphery of said opening, and a floating wear compensating ring normally bridging said opening when the valve is closed.

2,495,881
DOORSTOP AND CLOSER
Merit E. Wilson, Watertown, S. Dak.
Application August 3, 1948, Serial No. 42,257
1 Claim. (Cl. 16—78)



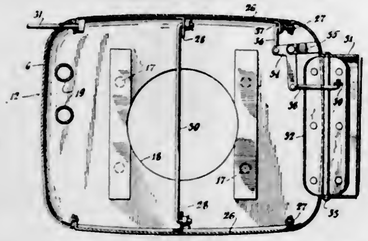
A swinging closure operator comprising a chain, means for securing one end of the chain to a swinging closure adjacent to the top thereof, the opposite end of the chain being secured to the closure frame adjacent to the top thereof, said chain being of a length restricting the opening of the closure beyond a predetermined point, a coiled spring member connected to a link of said chain intermediate the ends of the chain, the opposite end of the spring being secured at a point above the closure frame and closure, and said spring being tensioned by the opening of the closure whereby said chain operates to move the closure to its closed position as the spring contracts.

2,495,882
PIPE PELLET
Clair Wynecoop, Wellpinit, Wash.
Application May 19, 1945, Serial No. 594,670
1 Claim. (Cl. 131—3)



A tobacco pellet comprising a cup-shaped jacket formed of filtering material and being open at its top and having a bottom and an annular wall, the jacket being circular in cross section and its bottom being hemispherical and gradually decreasing in thickness from its center towards its marginal edge portions which merge into the annular wall, the said annular wall gradually decreasing in thickness from its junction with the bottom to its upper end, a mass of compressed tobacco complete filling said jacket and having a flat upper surface flush with the upper edge of the annular wall of the jacket, and a removable cap of thin air moisture proof paper resting flat upon the upper surface of the tobacco and the upper edge of the annular wall of the jacket and having a depending marginal flange fitting snugly about the annular wall in close fitting contacting engagement therewith and provided at at a point about its circumference with a tab projecting outwardly from the annular wall of the jacket.

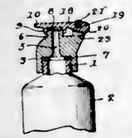
2,495,883
HEATER
John M. Aufiero, Plandome, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application January 12, 1949, Serial No. 70,527
1 Claim. (Cl. 98—2)



An apparatus of the character described including in combination a casing comprising spaced upper and lower walls, side walls between and connected to the edges of said upper and lower walls, inner and outer end walls at the ends of said casing and connected to said side, upper and inner walls, a heat exchange unit within said casing and spaced from said end walls, a motor driven fan operatively associated with said unit for causing a flow of air through the same towards said outer end wall, said casing being formed with openings between said units and outer end wall through which air will be discharged from said apparatus, one of said side walls and the upper and lower walls being formed with intake openings between said inner end wall and said unit, three panel members, one controlling the flow of air through each of said latter openings, means for pivotally mounting said panels substantially in line with their centers, a link having one of its ends connected to one side of the center of one of the pair of panels controlling the flow of air through the upper and lower wall openings to the other side of the center of the second of said pair of panels whereby they will both simultaneously open and close, a vertically extending bell crank pivotally mounted on the inner face of and adjacent the intake opening of said one side wall, a further link connecting the upper arm of said crank with the panel controlling the flow of air through said upper wall opening, an additional link connecting the lower crank arm with the panel controlling the flow of air through the opening in said one side wall, whereby said latter panel will pivot to obstruct the flow of air through the opening which it controls as said pair of panels are shifted to positions at which they do not obstruct a flow of air through the openings in the upper and lower walls and means connected to said pair of panels for pivoting the same.

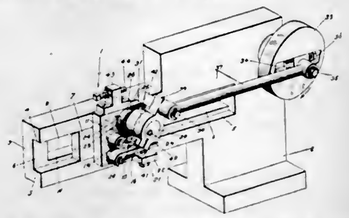
2,495,884
CLOSURE DEVICE HAVING SELF-LOCKING PIVOTED CAP
John Beyers, Perth Amboy, N. J.
Application August 20, 1946, Serial No. 691,801
1 Claim. (Cl. 222—545)

A closure device for attachment to a threaded outlet of a dispensing tube comprising a housing having an internally threaded opening adapted to be threadedly received by the dispensing tube outlet, a cylindrical neck portion extending from said housing, a passageway extending through said housing and neck concentric with said neck and communicating with said opening for passing material from the dispensing tube, a pair of spaced ears integrally upstanding from said housing, an arm having an end portion thereof received between said ears, said arm end portion between said ears having a slot and a substantially convex cam face adapted to contact said housing, a circular flange secured to said arm forming an inverted-cup therewith and adapted to fit over said neck portion for closing said bore,



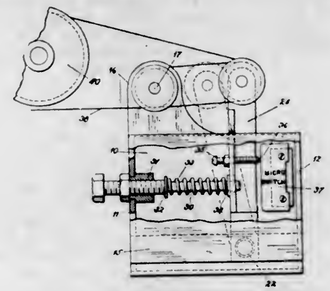
and a pivot pin secured to said ears and extending through said slot, whereby said arm can be pivoted on said pin, and thereby said cup, toward and away from said neck portion and when pivoted away from said neck portion said arm can be slid on said pivot for causing said convex cam face to frictionally contact the housing between said ears for releasably holding said arm away from said neck portion.

2,495,885
FEEDING DEVICE
Carl T. Blume, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 12, 1946, Serial No. 661,657
6 Claims. (Cl. 140—130)



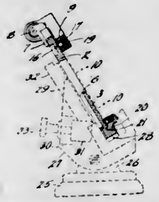
6. A device of the character described, including, in combination, a mounting member, means supporting said member for sliding movement, a pair of jaws mounted on said member, one of said jaws being mounted for pivotal adjustment with respect to said member but being stationary with respect to said member during operation of the device and the other of said jaws being pivotally movable relative to said member into and out of engagement with said one jaw, spring means attached to said other jaw for biasing said other jaw out of engagement with said one jaw, a pin attached to said member, a ball-bearing structure having inner and outer raceways, a shaft fixed to said inner raceway and having a cylindrical portion projecting outwardly therefrom, said shaft having an eccentrically-located aperture therethrough for mounting said shaft on said pin for rotation with respect thereto, said outer raceway being engageable with said other jaw to move said other jaw into engagement with said one jaw, a member having a split-ring portion fastened around the outwardly-projecting portion of said shaft and a rearwardly-extending abutment portion, means for producing partial rotation of said latter member successively in opposite directions, and a stop member secured to said first-mentioned member and disposed in the path of movement of said abutment portion.

2,495,886
SAFETY SWITCH FOR STRANDING MACHINES
Carl O. Bruestle and Hugo Wilken, Rahway, N. J., assignors to Syncro Machine Company, Perth Amboy, N. J., a corporation of New Jersey
Application August 18, 1948, Serial No. 44,809
9 Claims. (Cl. 57—81)



1. In a safety switch structure for wire stranding machines and adapted to be operationally located between the twisting die and the drawing capstan of the stranding machine, in combination, a pivoted arm, a pulley on said pivoted arm, said pulley being adapted to have a stranded cable wrapped around it in advance of the drawing capstan, an adjustable spring bearing against said pivoted arm and a switch mounted adjacent said pivoted arm adapted to be operated by movement of said swinging arm resulting from a decrease in tension on the cable.

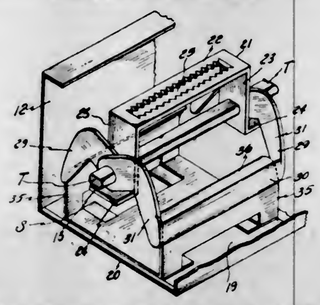
2,495,887
COMPOSING FRAME AND EASEL FOR USE IN PHOTOGRAPHIC REPRODUCTIONS
George Newman Bumstead, Bethesda, Md., assignor to National Geographic Society, Washington, D. C., a corporation of the District of Columbia
Application January 15, 1948, Serial No. 2,532
9 Claims. (Cl. 88—24)



1. A composing frame for holding one or more transparencies on each of which is depicted a character which is to be reproduced photographically, said frame having top and bottom members as well as end members providing an unobstructed opening therebetween through which light rays may pass, the bottom member provided with a groove for receiving the lower edge portion of a transparency, said bottom member further provided with a plurality of relatively closely spaced yieldable friction members so mounted as to extend into said groove for engaging and frictionally holding the lower edge portion of an inserted transparency, the top member provided with a bar having relative movement therewith, said bar having a plurality of relatively closely spaced yieldable friction

members so mounted as to protrude from a face of said bar for frictionally engaging the upper edge portion of an inserted transparency when said bar is moved to bring said face thereof into cooperating relation with the transparency.

2,495,888
VENETIAN BLIND TILT SHAFT MECHANISM
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y.
Application June 6, 1946, Serial No. 674,716
8 Claims. (Cl. 160—176)



1. In a Venetian blind structure, a tilt shaft, a bracket mounted thereon and to which the end of the ladder tape is connected, opposed saddle members mounted on said shaft and angularly displaceable relative to each other and to the tilt shaft, and means on said bracket for swinging one of said saddle members as the tilt shaft is actuated.

2,495,889
DETACHABLE CRUTCH BRACKET
Charles R. Connaghan, Niantic, Ill.
Application November 4, 1946, Serial No. 707,573
1 Claim. (Cl. 135—49)

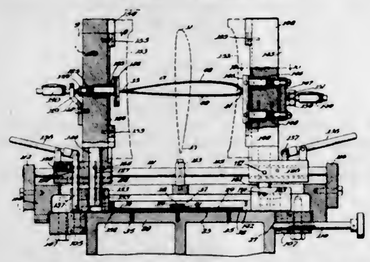


In an attachment for a crutch, an upper and lower clamp assembly each assembly comprising two U-shaped members adapted to be attached to the two legs or sides of a crutch, eye bolts passing through the U-shaped members of each assembly, a bolt passing through the eyes of the eye bolts of each assembly, a supporting member attached to the bolt of the lower clamp assembly and a curved rest plate connected at one end to the bolt of the upper clamp assembly and at the other end to the supporting member.

2,495,890
RESINOUS CONDENSATION PRODUCTS FROM AN ALDEHYDE OR A KETONE AND AN N-ALKENYLARYLAMINE
Joseph D. Danforth, Grinnell, Iowa, assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 16, 1948, Serial No. 8,753
22 Claims. (Cl. 260—72.5)

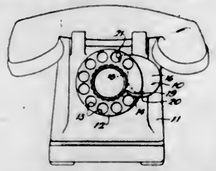
8. A resinous material comprising the reaction product of a carbonyl compound selected from the group consisting of the aldehydes and ketones with N-butenylaniline.

2,495,891
APPARATUS FOR MEASURING PROPELLER BLADES
Dwillard J. Davis, Detroit, Mich., assignor to Avco Manufacturing Corporation, a corporation of Delaware
Application May 5, 1944, Serial No. 534,200
15 Claims. (Cl. 33—174)



1. Apparatus for measuring propeller blades comprising, a table, means for supporting a blade from its shank to extend longitudinally over the table, a templet extending longitudinally of and stationarily secured on the table, a carriage movable over the table to different longitudinal blade stations, oppositely disposed elements movable by contact with the blade, means for positioning the elements from the templet, and means for measuring the movement of the elements when they are positioned by the templet and moved by the blade.

2,495,892
TELEPHONE DIALER
Robert G. Fishel, Chicago, Ill.
Application March 6, 1947, Serial No. 732,733
4 Claims. (Cl. 179—90.5)



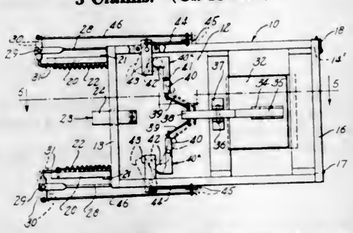
1. A telephone dialer for a dial type telephone comprising a substantially wide body portion provided at its edge with a substantially rectangular notch conforming to and receiving the finger guard of the telephone removably to support the body portion on the finger guard partially behind the dial of the telephone and partially beyond the dial for permitting manual grasping of the same, and an extension on the edge of the body portion

substantially opposite the notch to be engaged in the finger holes of the dial upon manual manipulation of the dialer for dialing purposes.

2,495,893
CELLULOSIC DRESSING
Pierre J. Guérillot, Belleville, France, assignor to Societe pour le Decoupage de La Cellophane & de Toutes Matieres Similaires (S. O. D. E. C.), Paris, France, a corporation of France
No Drawing. Application October 25, 1946, Serial No. 705,811. In France September 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 14, 1965
4 Claims. (Cl. 28—72)

1. A process for manufacturing an aseptic bandage from regenerated cellulose sheet material previously impregnated with a germicide product, comprising forming said sheet into a plurality of strips, weaving said strips into a fabric including a warp and a weft, treating the fabric thus produced with petrol and calendering the fabric thus produced at a temperature of substantially 90° C. and substantially one thousand pounds pressure per inch transverse linear dimension.

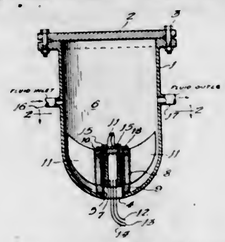
2,495,894
ANIMAL TRAP
Joe Robert Hasely, Rock Springs, Wyo.
Application June 25, 1948, Serial No. 35,113
5 Claims. (Cl. 43—61)



1. A trap, comprising a cage including a floor and spaced front and rear end walls, said front end wall being formed to provide an entrance opening therein, a pair of horizontally outwardly-swingable doors for said opening, spring means loading said doors for closing movement, an upper and a lower latch on said cage, each latch simultaneously engaging portions of both doors to lock the same in closed positions, a pair of laterally-spaced arms fixed to said cage and extending forwardly of said front wall, a latch carried by each arm, each of said last latches being engageable with an open door to lock the same in an open position, a movable trigger in said cage adjacent said rear wall, and means operatively connecting said trigger to both of said last-named latches, and said last means being operative to release both of said last latches simultaneously upon movement of said trigger in at least one direction.

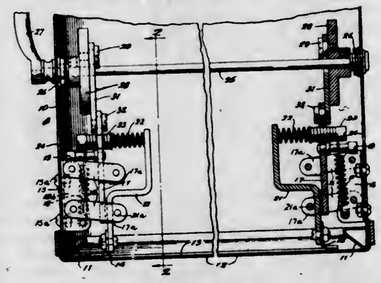
2,495,895
FLUID CIRCULATING DEVICE
George L. Hervert, Berwyn, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 31, 1945, Serial No. 625,852
4 Claims. (Cl. 259—108)

1. A fluid circulating device comprising a chamber having a fluid inlet and outlet, a non-magnetic housing projecting inwardly from a wall of said chamber, a stator and field coil positioned within said housing, an annular rotor within said chamber and surrounding said inwardly projecting housing, radial impeller blades affixed to said



rotor and directly rotatable therewith, bearing surfaces at the opposite ends of said rotor and said housing, and a retaining plate removably attached to the end of said housing within said chamber for holding said rotor in place.

2,495,896
SNARE DRUM
Le Roy J. Jeffries, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application December 29, 1944, Serial No. 570,265
9 Claims. (Cl. 84—415)

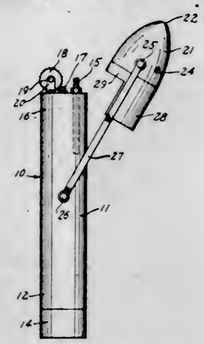


6. A drum comprising a hollow tubular body, a vibratile head extending across one end of the body, a pair of snare supporting units mounted at diametrically opposite points in the body, each of the units including a bar, means mounting the bar for movement toward and away from the head, a lever pivoted on the bar, and a spring acting between the lever and bar to urge the outer end of the lever away from the other unit, a snare connected at its opposite ends to the outer ends of the levers, springs urging the bars toward the head, cranks rotatably supported on the drum body at diametrically opposite points adjacent the snare supporting units, an operating rod for the cranks extending across the drum body and projecting therethrough, and links connecting the cranks to the bars respectively.

2,495,897
COMBINED LIGHTER AND HEATED INHALATOR
Jule Kemp, Cincinnati, Ohio
Application July 25, 1947, Serial No. 763,497
3 Claims. (Cl. 128—192)

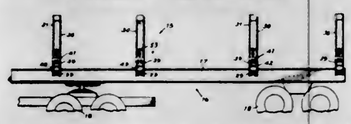
1. A combined pocket lighter and heated inhalator comprising a cylindrical body constituting a fuel reservoir, a conical inhaler nozzle, links

pivoted on said body and said nozzle rockably mounting said nozzle for movement into alignment with one end of said body and spaced therefrom, a wick in said one end of said body, a flint



supported on said one end of said body, a flint engaging wheel adjacent said flint for igniting said wick, and a medicant supporting member frictionally engaging said nozzle for disposition above the lighted wick of the lighter.

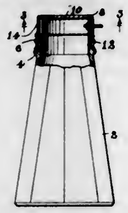
2,495,898
UNLOADING APPARATUS FOR VEHICLES
Vernon B. King, Woodstock, Ontario, Canada
Application October 10, 1947, Serial No. 779,063
4 Claims. (Cl. 280—145)



1. In unloading apparatus for vehicles of the character described, a supporting frame provided with wheels and bolster supporting structure, tiltable bolster members pivotally mounted on the supporting structure, upright standards arranged on opposite sides of the supporting structure with at least one pair of the said standards pivotally connected to the said structure with one end thereof swingable downwardly to the ground to form an unloading ramp between one side of the vehicle and the ground releasable means carried by the tiltable bolsters for engaging the swingable upright standards for retaining them in an upright position, supplementary means for locking the swingable standards in an upright position and means for simultaneously tilting the movable bolsters and releasing the swingable standards to form a combined sloping platform on the vehicle and a sloping unloading ramp at the side of the vehicle between the vehicle and the ground for unloading materials at one side of the vehicle.

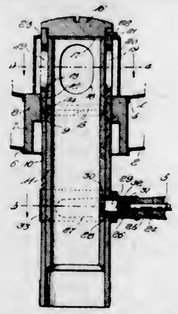
2,495,899
SALTCELLAR
George D. Kolb, Baltimore, Md.
Application January 23, 1947, Serial No. 723,741
1 Claim. (Cl. 65—45)

A dispensing cap for a condiment container comprising a substantially cylindrical sleeve member, an end wall closing one end thereof, a threaded portion on the opposite end of said sleeve member for the reception of a condiment container, a group of condiment-dispensing apertures through the side wall of said cylindrical member extending perpendicularly to the longitudinal axis thereof, a split resilient ring within said sleeve member between the end wall and the threaded portion, said ring being inherently expansible against the internal walls of said sleeve member, the free ends of said ring when in said sleeve member being maintained by the walls thereof spaced apart a distance substantially



equal to the circumferential extent of said group of condiment-dispensing apertures, whereby said ring may be oscillated about the sleeve axis to cover or uncover said apertures to regulate the flow of the condiment therethrough, a slot in the walls of said sleeve member and a manually-operable means secured to said ring for oscillating the same about the longitudinal axis of said sleeve member, said means extending through said slot and adapted to restrict oscillation of said ring in a fixed plane.

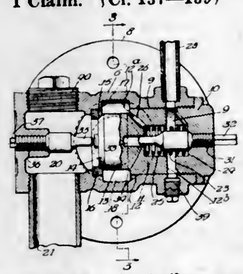
2,495,900
SLEEVE VALVE
Robert B. Laws, Lancaster, Pa., assignor to B. H. Hubbert & Son, Inc., Baltimore, Md., a corporation of Maryland
Application February 27, 1946, Serial No. 650,398
5 Claims. (Cl. 251—78)



1. In combination with a kettle formed through its bottom with an opening, and a bushing in the opening internally threaded from its upper end; a valve comprising a barrel extending vertically through the bushing in threaded engagement therewith with portions above and below the bushing, the protruding upper portion of said barrel being formed with circumferentially spaced openings, a cap in threaded engagement with the upper end of said barrel, a tube fitting snugly in said barrel and being rotatable and slidable longitudinally therein and having its upper portion formed with side openings for registering with the openings of the barrel when the tube is turned to an opened position, the openings of the tube and the barrel being substantially elliptical in

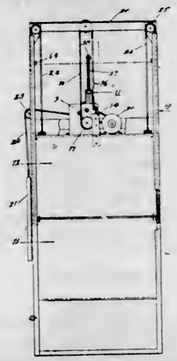
shape and elongated longitudinally of the tube and the barrel, a screen about the protruding upper portion of said barrel, an interval shoulder about the upper end of said barrel, an external shoulder about said tube disposed under the opening of the tube and overlapped by the shoulder of the barrel, sealing rings about the tube below its shoulder, a portion of the barrel below the bushing being formed with a slot extending diagonally for a portion of the circumference of the barrel, and a handle for turning said tube extending laterally from said barrel and having an attaching member passing through the slot and connected with the tube, edges of the slot constituting cam surfaces for acting upon the attaching member of the handle and shifting the tube vertically to move its upper end into tight sealing engagement with the inner end face of the cap as the tube is turned in a closing direction and move the shoulder of the tube into close contacting engagement with the under face of the shoulder of the barrel.

2,495,901
BLOWOFF VALVE MECHANISM
Charles G. Learned and Edwin L. Cull, Chicago, Ill., assignors to The Okadee Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1944, Serial No. 534,044
1 Claim. (Cl. 137—139)



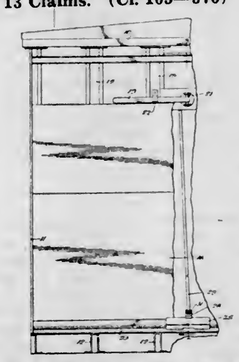
Blow-off mechanism for boilers, comprising: a valve casing provided with an inlet chamber; an extension communicating with said inlet chamber for communicatively connecting the inlet chamber to receive blow-off from the boiler; a cylinder at one side of the inlet chamber; a valve seat at the other side of said inlet chamber and an outlet chamber for the discharge of the blow-off; a valve-piston slidably mounted in the cylinder for engaging the valve seat and controlling the flow of blow-off steam from the inlet chamber to the outlet chamber, provided with an inner side of predetermined area exposed to the pressure of blow-off steam in the inlet chamber and an outer side having a greater exposed area in the end of the cylinder opposite the inlet chamber; a spring for urging the valve-piston to its closed position, restricted flow means for constantly conducting blow-off steam through the valve-piston from the inlet chamber to the outer end of the cylinder to exert preponderating pressure against the valve-piston to hold it normally closed and cut off the flow of blow-off to the outlet chamber, means for controlling the valve-piston for discharging blow-off, including a single pipe connected to the casing and communicating with and for exhausting steam from the outer end of the cylinder, for opening the valve-piston, and a normally closed remote control valve connected to the pipe, for retaining pressure in the outer end of the cylinder for holding the valve-piston closed and for exhausting steam from the outer end of the cylinder through the pipe for opening the valve-piston to discharge the blow-off steam, a stem screw threaded to one end of the casing for holding the valve-piston in its open position, and a stem screw threaded to the other end of the casing for holding the valve-piston in its closed position.

2,495,902
DUMB-WAITER DOOR AND CAM OPERATOR
Arthur L. McKeague, Staten Island, N. Y., assignor to Syncro Machine Company, Perth Amboy, N. J., a corporation of New Jersey
Application June 26, 1948, Serial No. 35,505
13 Claims. (Cl. 187—58)



1. An operator for the car doors and retiring cam of a dumbwaiter comprising, in combination, a torque motor, a gear reduction unit driven by said torque motor, an output shaft driven by said reduction unit, said output shaft being operatively connected to the car doors, an escapement washer driven by said output shaft, and means driven by said escapement washer for operating said retiring cam, whereby said retiring cam advances during the initial movement of said car doors to open position and retreats during the final movement of the doors to closed position.

2,495,903
CONVERTIBLE BULKHEAD
Charles L. Moorman, Millington, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois
Application October 22, 1945, Serial No. 623,715
13 Claims. (Cl. 105—376)



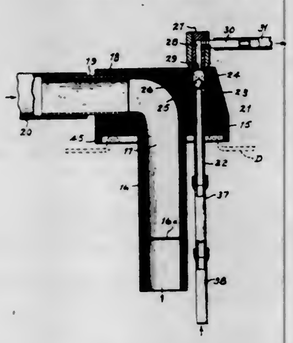
1. In a refrigerator car or the like having a

longitudinally extending track therein, a bulkhead, means connecting the bulkhead to the track for movement thereon from an extended to a retracted position, and for raising and lowering the bulkhead, a movable operating member to control raising and lowering of the bulkhead, a latch to prevent movement of the bulkhead when it is in lowered position, and a connection from the operating member to the latch to release the latch when the operating member is moved in a direction to raise the bulkhead.

2,495,904
PRODUCTION OF AROMATIC KETO ALCOHOLS
Herman Pines and Bruno Kvetinskas, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 29, 1946, Serial No. 658,206
11 Claims. (Cl. 260—592)

1. A process for producing an aromatic keto alcohol which comprises reacting oxygen and an alkyl aromatic ketone containing a secondary alkyl group at a temperature of from about 50° to about 250° C. in the presence of an oxidation catalyst comprising as its essential active ingredient a metal having an atomic number of from 23 to 30, inclusive.

2,495,905
LIQUID TRANSFERRING APPARATUS
Charles N. Pogue, Montreal, Quebec, Canada
Application November 5, 1945, Serial No. 626,785
In Canada August 28, 1945
2 Claims. (Cl. 226—116)



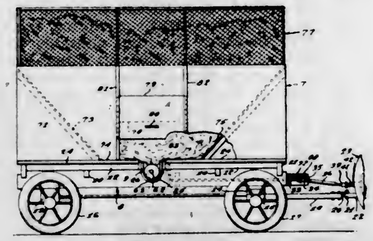
1. In liquid transferring apparatus of the character described, a vacuum conducting conduit and a liquid conducting conduit, the said vacuum conducting conduit being provided with valve means and the said vacuum and liquid conducting conduits connecting a tank or container with a source of vacuum and a source of liquid supply, a ball valve operable in the valve means for controlling a flow of evacuated air from the tank and the transfer of liquid to the tank, the said ball valve permitting evacuated air to flow therearound during the transfer of liquid to the tank and to automatically shut-off the vacuum when the liquid transferred to the tank reaches a predetermined level and impinges thereagainst and said vacuum conduit extending downwardly from the valve a variable distance to vary the level of the liquid transferred to the tank.

2,495,906
HAND CARRIED SEED AND FERTILIZER SPREADER
William E. Porter, Tacoma, Wash.
Application September 7, 1948, Serial No. 48,133
3 Claims. (Cl. 275—11)



1. A hand-carried manually-operated distributor for materials such as seed and fertilizer, comprising an elongated receptacle having a partly-cylindrical bottom provided with material-distributing openings therethrough, substantially parallel side-walls and end-walls, a handle secured to said side-walls adjacent the mid-length position of the upper edges of the latter, a shaft journaled in said end-walls and extending through said receptacle adjacent said bottom-wall, an agitator vane secured along one longitudinally-extending edge to said shaft and projecting radially from the latter toward said bottom-wall, a pair of arms each secured at one end to the corresponding end of said shaft outside the adjacent end-wall of said receptacle, a respective weight on the end of each arm opposite the shaft-attached end of said arm to swing said vane back-and-forth across the distributing openings in the bottom-wall of said receptacle when said distributor in manually swung or shaken, a pair of clips secured to the outer side of said bottom-wall, one near each end of said receptacle, and an adjusting plate overlying the apertured portion of said bottom-wall and received at its ends in said clips, said adjusting plate having openings therein adjustably registrable with the openings in said bottom-wall.

2,495,907
POWER TAKE-OFF GRAIN AND FORAGE UNLOADER
Walter H. Reinking, Sumner, Iowa
Application October 26, 1948, Serial No. 56,533
5 Claims. (Cl. 214—83.32)



1. A combined grain and forage carrier and unloader, including a wheeled vehicle having means for hitching it to a tractor, a floor upon the vehicle having a depressed transverse trough therein which is open at one end thereof to one side of said vehicle to serve as an unloading portion thereof, a rotatable feed screw extending through the trough toward the open end of the latter, a pair of longitudinally-aligned bearings disposed beneath the floor of the vehicle, a driven shaft rotatably mounted in said bearings and extending forwardly from the vehicle and having a power take-off end adapted to be connected to the power take-off shaft driven from a tractor, an inner closed end upon said trough having a hole therethrough, a gear casing disposed between the rear closed end of said trough and the side of the carrier remote from the open end of the trough, a bevel gear located in said gear casing and having a shank thereon, a spindle upon said feed screw having a hollow end extending into said gear casing and secured upon the shank of the gear therein, a bearing in said gear casing for the hollow end of said spindle, a pair of further bearings in said casing, a shaft rotatably mounted in said further bearings, a gear upon said shaft meshing with the first-mentioned gear in said casing, a pulley disposed upon the last-mentioned shaft externally of said gear casing, a pulley mounted upon the rear end of the first-mentioned driven shaft, a belt interconnecting the two pulleys on the two shafts, a pair of inclined downwardly-converging front and rear walls on said vehicle terminating at the lower ends thereof upon said floor forwardly and rearwardly of said trough, and side walls upon said vehicle disposed on said floor at both sides of said front and rear walls to enclose a forage or grain-carrying space upon said carrier between said front, rear and side walls.

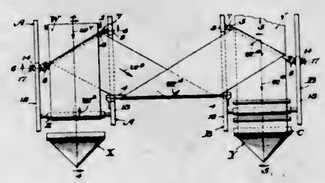
2,495,908
THERMIONIC DISCHARGE DEVICE
Gerald C. Rich, Manhasset, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application July 16, 1948, Serial No. 39,089
11 Claims. (Cl. 250—27.5)



6. A grid controlled gas discharge tube including within a hermetically sealed envelope containing an ionizable gas, an electron emitting cathode, a control grid, and an accelerating grid closely adjacent said cathode, an electron collecting anode at a substantial distance from said cathode, an electron beam deflecting electrode for causing a beam of electrons from said cathode to follow an indirect path to said anode, said beam causing ionization of the gas along said path, the electrons caused by said ionization also going to said anode, said deflecting electrode being so energized as to collect gas ions liberated by said beam, said accelerating grid being spaced from said cathode a distance less than the electron mean free path of said ionizable gas.

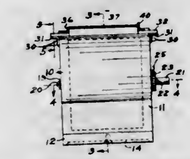
2,495,909
CROSS ASSOCIATION OF WEBS
William P. V. Ross, Battle Creek, Mich., assignor, by mesne assignments, to Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application June 13, 1944, Serial No. 540,106
11 Claims. (Cl. 270—5)

1. In a web printing press having parallel printing units, and having a common drag roll and common folder opposite one said unit; means for directing the printed web from one of said printing units directly over the common drag roll and into the folder; a web inverting means on the adjacent unit; an angle bar on said adjacent unit over which the related web is passed and directed laterally and angularly towards the first mentioned unit; a reversing bar adjacent said angle bar, said reversing bar extending between units substantially normal to the axes thereof under and over which the laterally deflected web from the adjacent unit is



passed and proceeds therefrom laterally at a reverse angle towards the first unit; and a second angle bar oppositely inclined to the first, said second angle bar being mounted on the first unit adjacent the reversing bar over which the related web from the adjacent unit passes, said second angle bar collating the web from the adjacent unit with the web of the first unit and directing same towards the common drag roll.

2,495,910
SINGLE-EDGE RAZOR BLADE SHARPENER
William W. Syfert, Oklahoma City, Okla.
Application September 5, 1947, Serial No. 772,257
1 Claim. (Cl. 51—98)

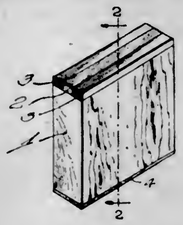


A razor blade holding means for a sharpening mechanism having a casing, a rotary honing means mounted therein and a blade receiving opening in the top of the casing, comprising a pair of L-shaped brackets secured to opposite sides of the casing, a blade supporting plate having elongated slots in its opposite ends secured to said brackets and the slots permitting adjustment of the plate with relation to the opening in the casing so that a blade placed on the plate can be adjusted with relation to the honing means, a clamping plate hinged at one end to said first plate adapted to engage and hold the blade on the first plate, and a spring catch carried by the first plate and engaging the second plate to retain the plates in fixed relation to each other.

2,495,911
DEVICE FOR DRESSING RAZOR STRAPS AND THE LIKE
Joseph Tumminelli, Newark, N. J.
Application May 7, 1948, Serial No. 25,618
3 Claims. (Cl. 51—276)

1. A device for dressing razor straps comprising a small rectangular block, a strip applied to one side edge thereof extending centrally thereon for the full length of said edge, said strip being formed of a mixture of carbon, graphite and clay,

and a pair of additional strips applied to said edge of the block on each side of the first mentioned strip serving as a retention means and protection for the first mentioned strip, said additional strips being formed of intermingled lead



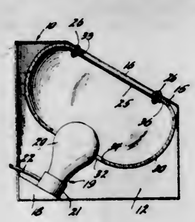
and tin, and all strips being sufficiently soft to have portions frictionally removed therefrom and deposited as a film upon a surface of a razor strap when said strips are rubbed against the said surface of the strap.

2,495,912

BACTERIOLOGICAL COLONY COUNTING DEVICE HAVING A LIGHT-CONDUCTING MEMBER FOR TRANSVERSE ILLUMINATION

Ronald M. Wood, Baltimore, Md.

Application December 27, 1946, Serial No. 718,719
6 Claims. (Cl. 88—14)



5. A bacteriological colony counter or the like comprising, in combination, a frame for the support of a Petri dish or the like, a light-conducting member supported by said frame and having an opening within which said dish is adapted to be disposed, a source of light disposed substantially in alignment with the axis of said opening, a light-impervious mask disposed between said dish and said light source, the margins of said opening constituting light-emitting edge surfaces directed radially inwardly toward the dish, symmetrically disposed radially outward portions of the light-conducting member being return-bent, directed radially inwardly toward the axially located source of light, and terminating in light-inlet edge surfaces.

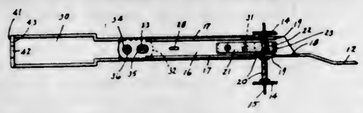
2,495,913

TREBLE ACTION FOR ACCORDIONS

William B. Ahern and Albert J. Walt, De Kalb, Ill., assignors to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation

Application January 24, 1947, Serial No. 724,166
4 Claims. (Cl. 84—376)

1. A treble action accordion key comprising a metal keybody, a plastic key face secured over said keybody, means for pivotally mounting said keybody to the action, means for pivotally securing said key face to said keybody adjacent its pivotal mounting, an eccentric member rotatable in said key face extending through an aperture of



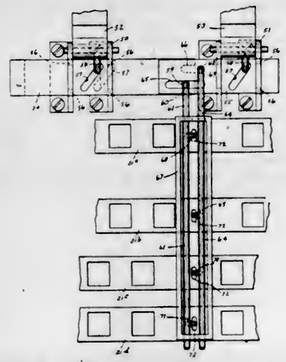
said keybody for lateral adjustment of said key face thereon about their pivotal connection, and means for locking the adjusted end of said key face to said keybody after adjustment.

2,495,914

PIANO ACCORDION

William B. Ahern and Albert J. Walt, De Kalb, Ill., assignors to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation

Application March 25, 1947, Serial No. 737,082
4 Claims. (Cl. 84—376)



1. An accordion valve shift comprising a pair of upstanding brackets each having a shift key pivoted thereon, a transmission plate slidably supported in each bracket, the end of one of said plates overlapping the other and each having an elongated diagonal slot, a shift finger secured to each key engaged in the slot of one of said plates for longitudinal displacement thereof upon pivotal movement of its key, a pair of oscillatory shift rods each having an inturned end operably connected with one of said plates, and valve shift pins secured to said rods respectively, each having a valve actuating end shiftable upon oscillation of its shift rod.

2,495,915

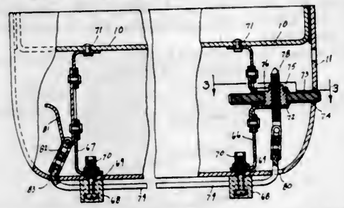
ACCORDION HAND STRAP MOUNTING

William B. Ahern and Albert J. Walt, De Kalb, Ill., assignors to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation

Original application December 19, 1946, Serial No. 717,168. Divided and this application April 14, 1948, Serial No. 20,986
4 Claims. (Cl. 84—376)

1. An accordion bass section including a chassis support for a bass action, a housing shell removably mounted on said chassis support having slots provided therein, a hand strap having one end

extending through a slot in said shell, means for anchoring said end to said chassis support, a hand strap adjusting wheel having an internally threaded hub, means on said chassis support for slidably mounting said wheel for movement to a position entirely within said shell and to an exposed position with a portion of its periphery extending through one of said slots in the end



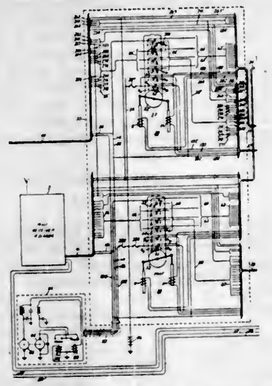
of said shell, and a threaded stem on the bearing end of said strap insertable through one of the slots of said shell and into the hub of said wheel for threading therein with said wheel in exposed position, the bearing for said wheel supporting it in fixed relation to said chassis support while permitting rotation thereof relative to said threaded stem for effecting adjustment of said hand strap.

2,495,916

REMOTE CONTROL RECEIVER

Kirby B. Austin, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application October 7, 1944, Serial No. 557,670
12 Claims. (Cl. 250—20)



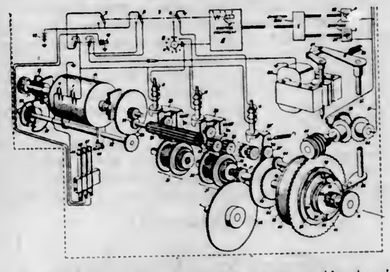
1. In combination, a receiver having remotely controlled means therein for controlling its operation, at least two control stations having respective control means therein for controlling said remotely controlled means, a source of operating potential, at least two switches in each of said stations, electrically-operated circuit-connecting means responsive to operation of said switches in either station to connect said remotely controlled means to the control means in the respective station, to disconnect it from the control means in the other station, and to energize said receiver from said source, whereby an operator at either station may by operating said switches in his own station seize control of said receiver irrespective of the condition of said control means in the other station.

2,495,917

REMOTE-CONTROL SYSTEM

Carroll R. Miner, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application October 7, 1944, Serial No. 557,707
7 Claims. (Cl. 74—10.2)



1. The combination, in an automatic tuning system, of a motor, a rotatable tuning element, a plurality of electromagnets, a mechanical interconnection between said motor and tuning element to operate said element to any one of a plurality of preset positions selectively in accord with the electromagnet operated, said electromagnets being operatively associated with said interconnection, means to operate said electromagnets from a remote point, and means to vary from said remote point the position to which said element is operated when a predetermined one of said electromagnets is operated.

2,495,918

POLY-N-VINYL LACTAM PHOTOGRAPHIC SILVER HALIDE EMULSIONS

Elmer Keiser Bolton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 28, 1948, Serial No. 46,722
8 Claims. (Cl. 95—7)

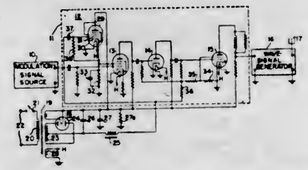
1. A photographic emulsion comprising light-sensitive silver halide grains dispersed in a poly-N-vinyl lactam having a molecular weight of about 10,000 to 500,000.

2,495,919

QUICK-RESET TIME-DELAY ELECTRONIC CONTROL SYSTEM

Robert B. J. Brunn, Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application August 29, 1944, Serial No. 551,733
8 Claims. (Cl. 250—27)



1. A quick-reset time-delay electronic control system comprising, a vacuum tube having a first and a second operative state and having a plurality of electrodes including a control electrode which when energized maintains said vacuum tube in said first operative state, said vacuum

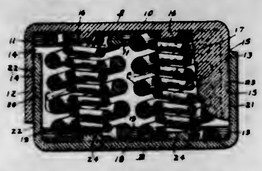
tube in one of its operative states being adapted to provide a desired control effect, means for concurrently energizing the electrodes of said vacuum tube including said control electrode to initiate the establishment of said second operative state, means responsive to space current flow through said vacuum tube for additionally energizing said control electrode, said first-mentioned and second-mentioned energizing means including a common electrical time-constant circuit through which said control electrode is energized from each thereof for limiting to a selected value the time interval of said energization of said control electrode to delay for said interval the establishment of said second operative state of said vacuum tube, and means effective upon the deenergization of said vacuum tube rapidly to restore the control of said time-constant circuit over the interval of energization of said control electrode.

2,495,920

FRICTION SHOCK ABSORBER

Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application August 25, 1945, Serial No. 612,671
6 Claims. (Cl. 267—9)



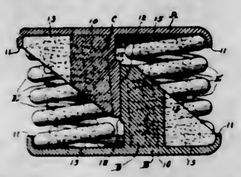
1. In a friction shock absorber, the combination with upper and lower followers; of upstanding spring units between said followers and having their top and bottom ends bearing on said followers; spring centering means on said followers, respectively; depending friction members on said upper follower; and upstanding friction members on said lower follower slidingly engaged with the friction members of the upper follower, the spring centering means and friction members of one of said followers being laterally offset in the same direction with respect to the spring centering means and friction members of the other follower to maintain said spring units in tilted inclined position.

2,495,921

FRICTION SHOCK ABSORBER

Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application August 25, 1945, Serial No. 612,672
2 Claims. (Cl. 267—9)



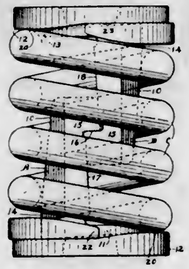
1. In a friction shock absorber, the combination with a pair of relatively lengthwise slidable friction posts; of coil springs at opposite sides of said posts; follower sections on said posts bearing on opposite ends of said coil springs; and spring seats on said follower sections respectively for holding said coil springs in tilted position with their central longitudinal axes inclined to the central longitudinal axis of the mechanism to force said posts laterally toward each other.

2,495,922

FRICTION SHOCK ABSORBER

Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application December 19, 1945, Serial No. 635,898
5 Claims. (Cl. 267—9)



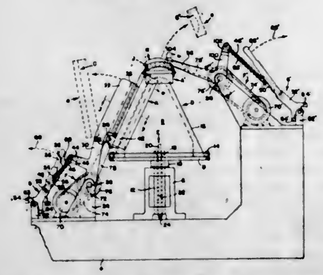
1. In a friction shock absorber, the combination with a pair of relatively lengthwise slidable friction posts having interengaging friction surfaces on the inner sides thereof; of annular follower members at the outer ends of the posts, each follower member having an annular abutment surface at its inner side which, at one diametrical side of said follower, lies in a plane at right angles to the central longitudinal axis of the device, and is raised at the opposite diametrical side of said follower to provide a crown, the crowns of said follower members being respectively at diametrically opposite sides of the device; and a coil spring surrounding said posts and yieldingly opposing relative approach thereof lengthwise of the device, said spring bearing on said abutment surfaces of said followers and the crests of the crowns thereof.

2,495,923

FELT HARDENING MACHINE

Arthur J. Evers, Brooklyn, N. Y.

Application November 6, 1946, Serial No. 708,142
5 Claims. (Cl. 28—14)



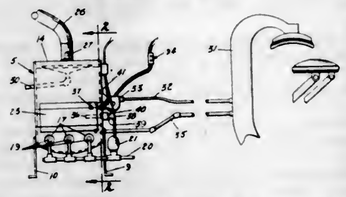
1. A felt hardening machine for treating a felt body, said body having a shaped tip, said machine comprising a felt supporting and hardening member shaped to conform at least to the inside of the tip of said felt body, a second hardening member having a felt engaging surface conforming to at least a part of the outside of the tip of said felt body, a support for said felt hardening member having at least one guideway curved to conform to said tip, said second hardening member being supported in said guideway for motion therealong and means for oscillating said second hardening member in said guideway while said second hardening member is in contact with the tip of said felt body.

2,495,924

PRECISION OIL HEATER

William T. Foley, Terrace Park, Ohio

Application November 30, 1945, Serial No. 632,038
8 Claims. (Cl. 237—8)



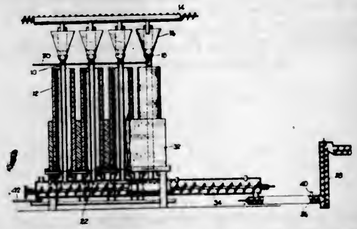
2. An atmospheric pressure precision oil heating apparatus comprising an oil tank having a vent pipe at the top, a drip baffle spacedly mounted within the tank beneath the vent pipe, a body of high flash point motor oil in said tank and having its top surface level below said baffle, a drain tube connecting said baffle with the exterior of the tank, firing means including flue heater tubes traversing the body of motor oil in the tank, electrical means for controlling said firing means, thermostatically responsive electric switching means arranged and adapted in electrical series with said electrical firing control means to control said firing means in accordance with the temperature of said oil at a predetermined level in the tank, and an oil circulating pipe system including an independently controlled low pressure pump, said pump having its intake disposed closely adjacent the said thermostatically responsive means in the tank.

2,495,925

PROCESS OF PRODUCING CARBON BLACK PRODUCTS

Henry C. Foster, Mount Lebanon, Pa., and Bernard Johnson, Lefors, Tex., assignors to Columbian Carbon Company, New York, N. Y., a corporation of Delaware

Application September 28, 1944, Serial No. 556,196
4 Claims. (Cl. 23—209.9)



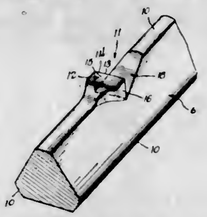
1. The process which comprises feeding finely-divided carbon black at such a rate and in such manner to a heating zone for free and clear fall therethrough that it passes through said zone in non-compacted, loose and fluffy condition by gravity flow, and heating said black in said zone substantially instantaneously to a temperature of at least 1800° F.

2,495,926

FELTING NEEDLE

Edson P. Foster, Manitowoc, Wis.

Application January 30, 1947, Serial No. 725,265
11 Claims. (Cl. 28—4)



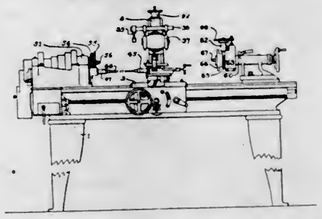
4. A felting needle having an elongated body portion, a recess therein, a barb above said recess projecting laterally beyond the surface of said body portion and formed of material displaced in the formation of said recess, said recess being defined by two walls extending inwardly toward the longitudinal axis of said body portion and toward each other, and said barb having the outer end thereof overhanging the outer end of one of said walls and having an inner wall at an angle thereto.

2,495,927

LATHE MACHINE

Frederick R. Francis, Billings Bridge, Ontario, Canada

Application October 6, 1943, Serial No. 505,245
In Canada July 24, 1943
4 Claims. (Cl. 90—11)

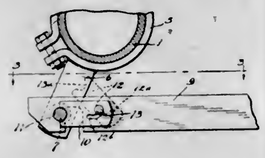


1. A universal milling attachment, for a lathe having a saddle, head stock spindle and motor, comprising a tool head column mounted on the lathe saddle; horizontal and cross feeds for adjusting the position of said column; a vertically adjustable tool head slide mounted laterally on said column; an arbor in said tool head slide; a tool head motor slung beneath said column; driving connections between said tool head motor and said arbor; a change-gear gear train driven also by said tool head motor; and a drive coupling connecting said gear train with the head stock spindle of said lathe to synchronize said head stock spindle and said tool head arbor speeds.

3. For a lathe or like machine and combination with a power-driven tool head mounted thereon, said tool head having an arbor, an arbor support with a bore coaxial with said arbor, a pair of horizontal and laterally spaced parallel shafts on which said support is slidably adjustable, and

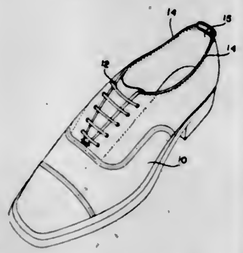
a longitudinally spaced pair of swivel supports journalled on said tool head, coaxially with the arbor and rotatable through an angle of 180°, each supporting both of said shafts.

2,495,928
HITCH AND DRAWBAR CONSTRUCTION FOR CULTIVATORS
Gerald Geraldson, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application March 27, 1946, Serial No. 657,520
7 Claims. (Cl. 280—33.44)



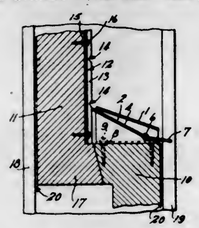
1. A hitch and drawbar construction for cultivators, or the like, comprising a pair of split collars for clamping around the rear axle housing of a tractor, each collar carrying a laterally and horizontally extending hitch pin and a trailing frame to be detachably secured to and pulled along by said pins comprising a crossbar and a pair of drawbars extending forwardly from said crossbar, each drawbar having a downwardly opening slot therein having a forwardly-extending portion to receive one of said hitch pins.

2,495,929
FRICTION-REDUCING HEEL TAB FOR OXFORDS
Ewald A. Giersch, Seattle, Wash.
Application November 12, 1947, Serial No. 785,437
2 Claims. (Cl. 36—45)



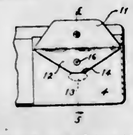
1. The combination with a low shoe or oxford of the type having an outer facing and an inner lining, of a friction-reducing heel tab, consisting of: a thin oblong tab of anti-frictional material; one end of said tab being secured transversely to the outer surface of the outer facing; a transverse slit in the inner lining of the heel appreciably below the upper margin of the inner lining and adapted to allow insertion of the other end of the tab between the inner lining and the outer facing; the other end of said tab being inserted downwardly through said slot between the outer facing and the inner lining; said tab end being secured between the outer facing and the inner lining; and the exposed margin of said slit being secured to the adjacent portion of said tab.

2,495,930
WINDOW SASH FASTENER
George Z. Guinard, South Hadley Falls, Mass.
Application October 25, 1947, Serial No. 782,199
1 Claim. (Cl. 292—238)



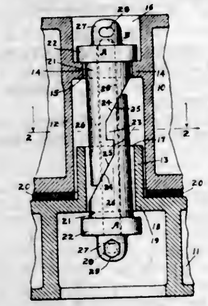
A sash fastener combination which comprises a housing consisting of a single piece of sheet metal the center portion of said sheet providing a downwardly and rearwardly inclined top member wider at its forward edge than at its rear edge, intermediate side portions of the sheet being bent downwardly to form rearwardly converging vertical side walls and the side edge portions being bent outwardly to provide horizontal flanges, said flanges being formed with openings for attaching the housing to the lower sash of a window, the so-formed housing being completely open at its forward and rear ends, a catch plate in the form of a piece of sheet metal wider at its forward end than at its rear end, and substantially conforming to the horizontal cross sectional shape of the interior of the casing, said catch plate being provided at its side edges with outwardly extending opposed trunnion portions which freely and pivotally engage in openings formed in the side walls of the housing closely adjacent the lower edges of said side walls at the rear of the housing, the forward edge of said catch plate extending slightly outwardly of the forward end of the housing and the rear end portion of the catch plate extending outwardly of the rear end of the housing to form a finger piece, said rear end portion of the catch plate being bent upwardly along a line closely adjacent to, and to the rear of, said trunnions to lie in a plane at an angle to the plane of the forward portion of the catch plate, and a channel member adapted to be secured to the upper window casing, the horizontally spaced free edges of the sides of the channel being formed with a series of vertically spaced notches selectively engageable by the forward edge of the catch plate when the latter is swung to a position below the top of the housing.

2,495,931
FLEXIBLE POCKET RECEPTACLE
Robert P. Harvey, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application October 11, 1945, Serial No. 621,822
2 Claims. (Cl. 150—35)



1. A purse-billfold combination in which the purse is removably held in a pocket of the billfold, the front wall of the purse being provided with a flap extending from the upper edge thereof and folded downwardly over the upper edge of the outer wall of said pocket when the purse is seated therein, a fastener element carried by said flap, a second fastener element carried by the pocket wall and engageable by the first named fastener element to releasably hold the purse in the pocket, a third fastener element carried by the front wall of the purse and engageable by said first named fastener element when the purse is removed from the pocket to releasably hold said flap to the front wall of the purse, a purse closure flap extending from the upper edge of the rear wall of the purse and foldable over said first flap, a fourth fastener element carried by said closure flap and a fifth fastener element carried by said first flap, said fourth and fifth fastener elements being engageable to releasably hold the purse closed when the first named fastener element is engaged with either said second or said third fastener elements.

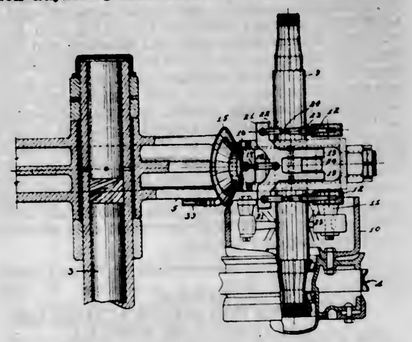
2,495,932
CENTER PIN FOR BODY AND TRUCK BOLSTERS
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 3, 1947, Serial No. 726,017
8 Claims. (Cl. 105—200)



4. A center pin for railway car body and truck bolsters having aligned center pin receiving openings, said pin comprising top and bottom members in hooked engagement with each other, each of said members having a head at its outer end, said top and bottom members loosely fitting said openings to allow tilting thereof with respect to each other to permit disconnecting the same from each other.

2,495,933
BRAKE APPLYING MECHANISM FOR ROCKING WHEEL VEHICLES
Vernon B. King, Woodstock, Ontario, Canada
Application May 12, 1947, Serial No. 747,568
In Canada February 23, 1945
5 Claims. (Cl. 188—204)

1. Brake applying and equalizing means for a wheeled vehicle, including brakes and slack adjusting levers respective thereto, a yoke comprising a rigid cross member and a bifurcate longitudinally extending part, rods pivotally connected at their one ends to said cross member near opposite ends of the latter and at their other ends having connection with said slack adjusting levers, driven means reciprocable longitudinally of the vehicle and having connection with said cross member in the transverse centre of the latter for moving said yoke lengthwise of the vehicle to impart rotary movement to said slack adjusting levers, and a fixed block loosely



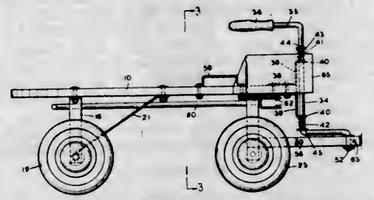
extending into said bifurcate part and cooperating therewith to limit the turning movement of said yoke.

2,495,934
PHONOGRAPH NEEDLE
Andrew D. Kondrath, Leyden, Ill.
Application September 21, 1945, Serial No. 617,728
1 Claim. (Cl. 274—38)



A phonograph needle comprising a metal shank and a sleeve mounted on said shank, said sleeve being provided with a plurality of equally spaced radial fins, each of said fins being of a thickness approximately equal to the space between adjacent fins, whereby vibrations of high frequency originating at one end of said needle are absorbed by said fins.

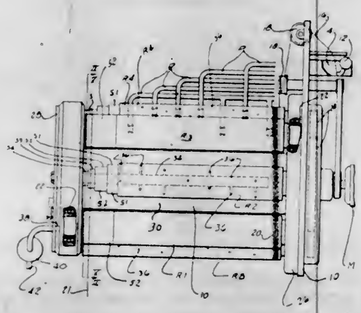
2,495,935
CHILDREN'S VEHICLE
Fred R. Kreeger, Shaker Heights, Ohio
Application November 1, 1947, Serial No. 783,501
3 Claims. (Cl. 280—87.01)



1. In a vehicle having a body structure and a front axle structure pivotally connected to said body structure, steering means for said front axle structure, said steering means comprising a generally upright steering post mounted for turning movement about its longitudinal axis, upper and lower brackets secured to said body structure and through which brackets said steering posts extends, upper and lower resilient means

providing a resilient mounting for said steering post, said upper resilient means being confined between and abutting said upper bracket and an abutment on said steering post and said lower resilient means being confined between and abutting said lower bracket and an abutment on said steering post, said steering post having a forwardly extending crank arm rigidly connected thereto and having lateral swinging movement as the steering post is turned about its longitudinal axis, and means providing a pin and slot connection between said crank arm and said front axle structure, whereby upon turning movement of said steering post about its longitudinal axis, with corresponding lateral swinging movement of said crank arm, the front axle structure is correspondingly turned.

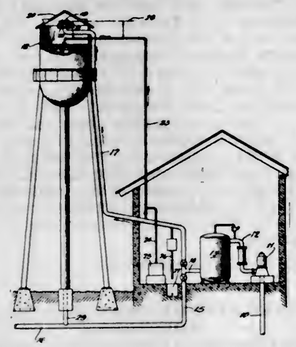
2,495,936
APPARATUS FOR MANUFACTURE OR TREATMENT OF THREAD
Harry A. Kuljian, Merion, Pa.
Application February 10, 1948, Serial No. 7,367
1 Claim. (Cl. 34—153)



Apparatus for manufacturing or treating thread, said apparatus including a plurality of rolls arranged to produce a thread storing and advancing device, means supporting said device at one end thereof, means for delivering thread to the supported end of said device whereby said thread moves, in the form of a helix circumscribing all of said rolls, from the supported, toward the unsupported end of the device, the end portion of at least one of said rolls, near the unsupported end of said device being stepped to form a plurality of sections of successively smaller diameters connected to each other and to the main body of said roll by walls normal to the longitudinal axis of said roll, and means for applying heat to the thread as it moves over said sections, the major portion of at least one of said rolls between the stepped end portion and the supported end of the thread storing and advancing device being covered with a material having a low coefficient of heat conductivity.

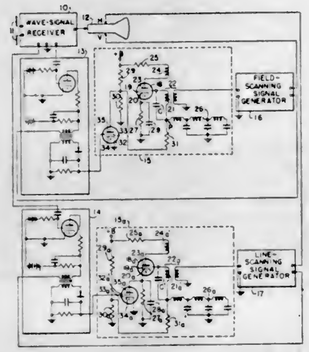
2,495,937
WATER-TREATING PROCESS AND APPARATUS
Joseph P. Lawlor, Ames, Iowa
Application November 5, 1947, Serial No. 784,143
4 Claims. (Cl. 210—16)

1. In a process for treating water, the steps of maintaining a large pool of water in an elevated position, withdrawing water from the bottom of said pool in a restricted stream, dividing a water stream into a major and minor stream and forcing both streams toward the upper portion of said pool, aerating the major stream above the



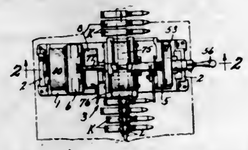
pool to cause the aerated water to fall into said pool, introducing a treating chemical into the minor stream, and discharging it upon said pool of water.

2,495,938
SIGNAL GENERATOR
Bernard D. Loughlin, Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 7, 1947, Serial No. 753,238
14 Claims. (Cl. 250—36)



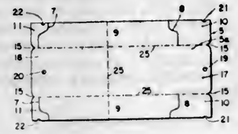
1. A signal generator comprising, an oscillatory system for generating oscillations, said system including an energizing circuit in which the energizing current thereof is effectively of repeated-pulse wave form, means for maintaining substantially constant the durations of the pulses of said current and for limiting the amplitudes thereof, and means responsive to the unidirectional component of said current yet having much less response to the pulse-periodicity component thereof for controlling said oscillatory-system periodicity by maintaining a controlled relationship between the average value of said current and the average value of energizing potential of said energizing circuit, thereby to maintain substantially constant the average periodicity of said generated oscillations.

2,495,939
REPOSITIONER MACHINE
Norman W. Lyon, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application December 12, 1946, Serial No. 715,816
2 Claims. (Cl. 86—48)



1. A machine for repositioning the cartridges in the links of link belt ammunition which comprises, a rotatable drive shaft, means for driving said shaft, a feed wheel fixed to said shaft and having a plurality of peripheral pockets for receiving the linked cartridges as the belt is fed through the machine, a cylinder fixed to said shaft, a plurality of repositioning units reciprocably mounted in said cylinder and positioned in alignment one unit with each pocket of the feed wheel, each of said units comprising an extractor member provided on its end adjacent the wheel with a spring hook for engaging the rim of a cartridge in the aligned wheel pocket and on its opposite end with a cam wheel, and a pusher member provided on its end adjacent the wheel with a head for engaging the base of said cartridge and on its opposite end with a cam wheel, and means operative upon rotation of said shaft to reciprocate said members relative to the cylinder and each other, said means comprising a stationary positively acting cylindrical cam with which the cam wheels of the extractor members engage to retract the extractor and displace the cartridge engaged thereby from its link, and a stationary positively acting cylindrical cam with which the cam wheels of the pusher members engage to advance the pusher into engagement with the displaced cartridge and reposition the latter in predetermined relation to its link.

2,495,940
CHECKBOOK COVER AND METHOD OF MAKING SAME
Joseph C. Miller, Compton, Calif., assignor to Coast Envelope Company, Los Angeles, Calif., a corporation of California
Application September 10, 1948, Serial No. 48,627
2 Claims. (Cl. 281—19)



1. A check book cover comprising a rectangular, flexible body strip transversely foldable between its ends and having laterally extending from each of its opposite sides a group of three endwise abutting, flexible side extensions of a width substantially half the width of the body strip, the outermost side extensions of each group being folded over onto and adhered to the underlying surface of the end portions of the body strip to provide linings therefor, a flexible retainer strip superimposed on the body strip between the inner ends of said outermost side extensions and secured to the body strip only at a point substantially medially between its ends, the outer end portions of the retainer strip being unsecured to the underlying portions of the body strip whereby to provide oppositely outwardly opening pockets, the intermediate side extensions of each group being folded over onto and secured to the surface of the retainer strip underlying said intermediate side extensions, and means for detachably securing the opposite end portions of the body strip together.

2,495,941
ELECTROPLATING COPPER ON ALUMINUM
Lucio F. Mondolfo, Sea Cliff, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
No Drawing. Application December 18, 1946, Serial No. 717,083
5 Claims. (Cl. 204—42)

1. The method of electroplating copper on aluminum which comprises immersing at least two aluminum articles in a water solution of sulfuric acid and copper sulfate, applying an alternating current to the two articles as electrodes and forming an anodic coating thereon, discontinuing the use of alternating current, connecting the articles in parallel as cathodes and a body of copper as anode to a source of direct current and depositing copper on the articles.

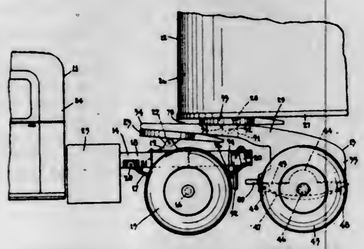
2,495,942
MULTIPLE CHAMBER CONTAINER
William A. Nosik, Cleveland Heights, Ohio
Application June 14, 1947, Serial No. 754,724
9 Claims. (Cl. 128—272)



1. In a multiple container structure, the combination with an outer container having an opening affording access to the interior thereof and a smaller container also formed with an access aperture and normally disposed within the outer container with its apertured portion projecting outward through the access opening of the outer container, of a closure common to the two containers comprising an annular part highly resistant to stretch overlying the access opening of the outer container, an elastic skirt depending from the periphery of the annular portion and having a liquid tight engagement with the outside sur-

face of the outer container and a central cap having a top portion overlying and closing the access aperture of the inner receptacle and an elastic side wall portion embracing the outside surface of the inner receptacle with a liquid tight engagement, the said side wall portion of the cap being joined to the inner side of the said annular part and being substantially less resistant to stretch than the latter, whereby downward pressure applied to the top portion of the closure cap draws the side wall of the cap out of contact with the inner receptacle and disengages the latter from the closure.

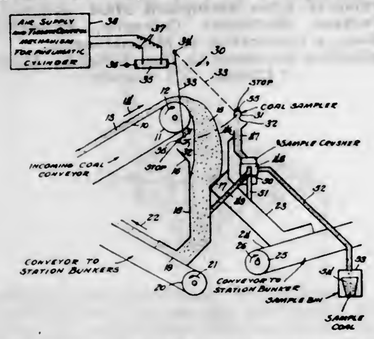
2,495,943
TRUCK
Earl K. Peterson, Valley City, N. Dak.
Application December 10, 1945, Serial No. 633,975
6 Claims. (Cl. 280—33.05)



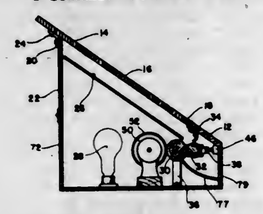
1. In combination with the fifth wheel of a tractor, a semi-trailer having a frame structure overlying said fifth wheel, a slide mounted on said frame structure and guided for longitudinal movement relative thereto, a king pin carried by said slide for cooperation with said fifth wheel, said slide being moved along said guide upon relative movement of said tractor and semi-trailer to change the longitudinal spacing of the wheels of said semi-trailer and tractor, a bolt movable transversely of said slide and latching means on said slide for engagement with said bolt to hold said slide and king pin from longitudinal movement relative to the frame structure, a lever for retracting said bolt from engagement with said slide, locking means operated by the slide for holding said lever in bolt-retracting position and means operated by said slide for releasing said lever when the latching means of the slide is out of register with said bolt.

2,495,944
APPARATUS FOR SAMPLING MATERIAL, SUCH AS COAL
William H. Pietta, Forest Park, and Robert B. Freston, Oak Park, Ill.
Application September 8, 1947, Serial No. 772,650
7 Claims. (Cl. 73—423)

1. Apparatus for obtaining a sample of material such as coal from a stream thereof comprising, in combination, a sample collector in the form of a trough rockably mounted about its longitudinal axis, a generally rectangular frame for supporting said sample collector and rockably mounted along one side to swing said sample collector in a pendulous fashion transversely through said stream, and means for rocking said frame and simultaneously therewith said sample collector about its longitudinal axis to obtain a sample across the full width of said stream.



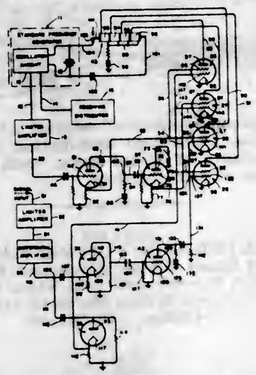
2,495,945
COUNTING AND REGISTERING DEVICE FOR PUNCHBOARDS
James T. Rash, Elma, Wash., assignor to Rash and Johnson Manufacturing Co., Elma, Wash., a firm
Application November 2, 1948, Serial No. 58,009
4 Claims. (Cl. 235—98)



1. In a punch board counting and recording device the combination of a sloping seat adapted to fixedly position a punch board; a directing shield disposed below said punch board; a fixed roller adapted for revolution about a fixed axis below and parallel to the bottom edge of said directing shield; a second roller disposed in substantially the same horizontal plane as said fixed roller and adapted to revolve with its surface in contact with the surface of said fixed roller; said second roller mounted for a revolution in bearings adapted to permit its moving away from the axis of said first roller; resilient means adapted to restore said movable roller to a position of contact with said fixed roller; motor driven friction driving means for said rollers; and means, actuated by the movement of said second roller, for counting and recording number slips punched out of said punch board.

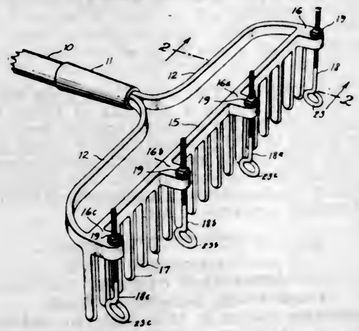
2,495,946
SYNCHRONIZING CORRECTOR CIRCUIT
Reginald G. Schuler, Highland Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 27, 1945, Serial No. 601,818
4 Claims. (Cl. 178—69.5)

1. In a corrector circuit, a pulse generator, crystal control means for controlling said pulse generator, a first pair of electron tubes responsive to the generated pulses, a second pair of electron tubes responsive to variable signal impulses from a remotely located transmitter, a plurality of electron tubes under the dual control



of said first pair and said second pair of electron tubes, and means for varying said crystal control means under the control of said plurality of electron tubes, whereby the output of said pulse generating means is altered.

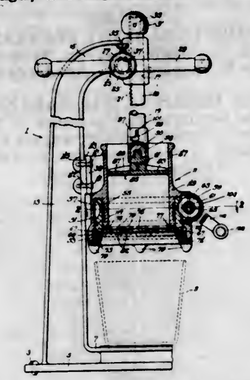
2,495,947
NUT RAKE
Edward C. Smith, Aurora, Oreg.
Application January 21, 1947, Serial No. 723,341
7 Claims. (Cl. 56—400.04)



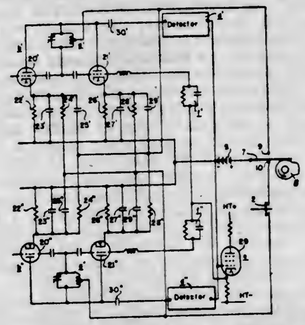
1. A nut rake for selectively separating nuts from leaves and other refuse material on the ground which comprises a handle, a rake head, means interconnecting the handle and the rake head, a plurality of projections on the rake head extending in a direction away from the handle, and a plurality of support means attached one to each of the projections and extending substantially parallel to the teeth and terminating in ground engaging skid members adjacent to but spaced apart from the teeth.

2,495,948
VERTICAL AXIS FOOD GRINDER OR COMMINUTOR
Eugene V. Taylor, Chicago, Ill.
Application June 12, 1946, Serial No. 676,304
2 Claims. (Cl. 146—192)

1. In a food-processing device, in combination, a hopper for receiving food to be processed, means for impelling said food toward one end of the hopper, food comminuting means adjacent said one end of said hopper for operating on the food impelled toward it, said comminuting means including a rotatable member having openings therethrough, a flange on the outside of said hopper, driving means for said rotatable member, and a depending annular wall, connected with and removable from said flange, said wall being circumferentially spaced from the hopper and serving to support the driving means for the rotatable member.



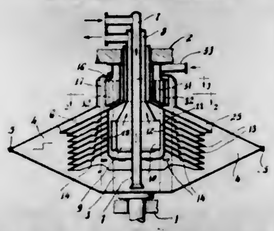
2,495,949
THERMIONIC-VALVE SYSTEM
Maurice K. Taylor, Hollinwood, and Frederic C. Williams, Manchester, England, assignors to Ferranti Limited, Hollinwood, England, a corporation of Great Britain
Application July 22, 1947, Serial No. 762,641
In Great Britain November 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 5, 1965
12 Claims. (Cl. 250—36)



1. A thermionic-valve system comprising: a plurality of selectably operated thermionic-valve oscillatory systems each including at least one oscillator valve having an input circuit therefor; a high-voltage energizing source for said oscillatory systems; self-bias means in each of said input circuits for developing a self-bias potential for the oscillator valve associated therewith when the oscillatory system including said associated oscillator valve is selectably operated; and a control system for temporarily applying from said

source a control potential to the self-bias means of the oscillator valve in each nonoperating oscillatory system to prevent self-oscillation immediately upon selection of a nonoperating oscillatory system for operation.

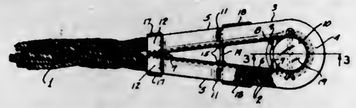
2,495,950
CENTRIFUGAL BOWL SEPARATOR
Willem van der Werff, Haarlem, Netherlands, assignor to Werkspoor N. V., Amsterdam, Netherlands
Application January 26, 1946, Serial No. 643,791
In the Netherlands November 22, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires November 22, 1960
1 Claim. (Cl. 233—21)



Centrifugal machine for the continuous separation of two liquid components of a liquid mixture whether or not containing solids, comprising in combination a rotor, a space in said rotor in which the separation takes place, a stationary conduit for supplying liquid mixture to said rotor, exhaust ports disposed at the outer periphery of said rotor for discharging the relatively heavy component of said liquid mixture from said space, stationary skimming pipes, a second stationary conduit for discharging the relatively light liquid component of said liquid mixture, said conduit being connected to said skimming pipes, a second space in said rotor, said space being coaxially disposed with regard to said first mentioned space, a partition partially separating said two rotor spaces and radially extending such amount that said spaces communicate exclusively at points situated a greater distance from the axis of rotation than the boundary region between the two liquid components in the first space during normal operation, so that said second space is accessible to said heavy liquid component only, a third stationary conduit for additionally supplying said relatively heavy component of said liquid mixture, a stationary ring of blades being provided within said second rotor space, a chamber being surrounded by said ring of blades, said third conduit opening into said chamber, said blades extending outwardly in a direction opposite the direction of rotation of said rotor, whereby to urge said relatively heavy liquid component inwardly through the passages between said blades and to stop the supply of said additional heavy liquid component whenever the cylindric hollow surface of said liquid component in said second rotor space rises to a diameter smaller than the outer diameter of said ring of blades.

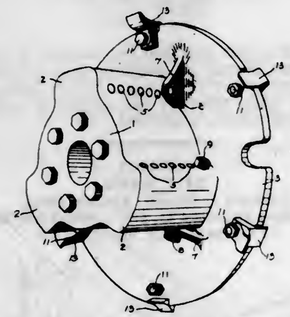
2,495,951
SLING AND END FITTING
Frederick W. von Wehrden, St. Louis, Mo., assignor to Broderick & Bascom Rope Company, St. Louis, Mo., a corporation of Missouri
Application November 1, 1945, Serial No. 626,049
18 Claims. (Cl. 287—81)

1. In combination, a single rope and an end fitting therefor, said end fitting comprising a plurality of separately formed rope thimbles that are spaced apart at one end of said fitting and have alined openings therethrough and are brought together and rigidly united in side-by-



side non-communicating relation at the other end thereof, said rope terminating at one end in a plurality of closed loops, each positioned about one of said thimbles.

2,495,952
WHEEL FOR AGRICULTURAL MACHINES
Ernest James Allman, Chichester, England
Application December 28, 1946, Serial No. 719,058
In Great Britain March 18, 1946
2 Claims. (Cl. 301—9)

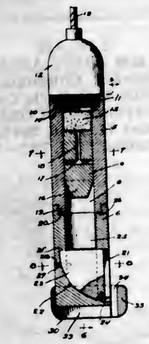


1. In a wheel, a rim supporting plate and a hub, said hub having a plurality of radial ribs and said plate having a central opening conforming in shape to said hub and slidable therealong, said ribs each having a series of transverse openings spaced therealong, lugs on said plate, and bolts each passing through a selected rib opening and through a respective lug.

2,495,953
WIRE LINE CUTTER
Frank Austin, Long Beach, Calif.
Application August 26, 1946, Serial No. 693,032
2 Claims. (Cl. 255—34)

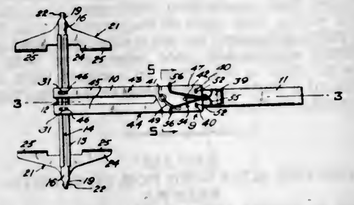
1. A cable cutting device comprising a barrel having upper and lower sections in threaded engagement with each other, a rope socket threaded to the upper end of the barrel and carrying a detonator at its lower end presented towards the bore of the barrel, a plunger slidable vertically in the bore of the barrel and initially disposed in the bore of the upper barrel section, a powder charge in the upper end portion of the bore between the plunger and the detonator for driving the plunger downwardly when exploded by the detonator, the bore being closed at its lower end and the lower barrel section being formed in its lower end portion with a longitudinal slot intersecting the bore through the front portion of its wall and terminating as a recess in the rear portion of the wall of the bore, the said slot having an arcuate wall extending from the lower end of the slot to the upper end of the recess, a striker plate of segmental

shape tiltable through the slot from a retracted position to an extended position and having an arcuate edge face confronting the arcuate wall of the slot and a flat horizontally extending upper edge face for striking engagement by the plunger to drive the plate outwardly through the slot to the extended position, a blade at the lower end of the plate disposed horizontally and projecting outwardly therefrom for cutting a cable when the plate is driven to the extended position, a cup-shaped sealing member fitting snugly in the bore above the striker plate with its closed lower end resting upon the upper edge



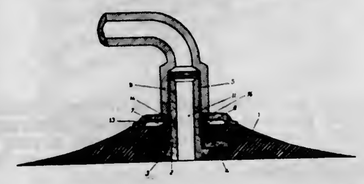
face of the striker plate and adapted to be ruptured by the plunger, said sealing member having an outstanding circumferentially extending flange clamped between the connected ends of the upper and lower barrel sections to hold the sealing member in place, and a base detachably mounted at the lower end of the barrel and formed with a vertically extending recess disposed outwardly of the barrel in position for receiving a cable to be cut and with a slot extending from the recess diametrically of the base and through which the cable is adapted to be passed into the recess before applying the base to the barrel.

2,495,954
ARTICLE HANDLING DEVICE
Carl G. Bailey, Staunton, Va.
Application September 5, 1946, Serial No. 694,888
9 Claims. (Cl. 294—34)



1. In an article lifting implement, a handle provided with an elongated shank, a manually actuated member slidably disposed on said shank, a guide member mounted on the shank, remote to the handle and transversely thereof, jaw supporting members slidably connected to the guide member, a jaw pivotally mounted on the outer end of each jaw supporting member, actuating levers slidably and pivotally connected to the shank and to said actuating member and constructed and arranged to slide and swing relatively to the shank when the actuating member is moved longitudinally thereof, and link means connecting said levers and jaws and constructed and arranged upon movement of the levers from retracted to projected positions to initially swing the jaws relatively to said jaw supporting members from folded to extended, operative positions and to subsequently move said jaw supporting members outwardly of one another for opening the jaws.

2,495,955
VALVE FOR TIRES
Pierre Marcel Bourdon, Paris, France, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie) Clermont-Ferrand, Puy-de-Dome, France, a French corporation
Application November 26, 1946, Serial No. 712,385
In France February 12, 1943
1 Claim. (Cl. 152—429)

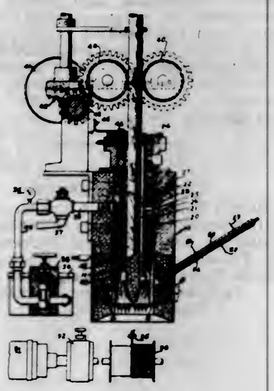


A tire valve comprising in combination a tubular rigid straight stem, a base of rubber embedding a flat ring which surrounds the base of the straight stem said base of rubber engaging the periphery of the rigid straight stem, a bent rigid tubular stem a side of which surrounds and matches the external surface of the straight stem, the extremity of this side being formed with a projecting part adapted to coact with the base of rubber and with an annular groove on its outer surface near its inner end, a thread cut on the outer surface of the straight stem, a complemental thread on the inner surface of the coacting side of the bent stem, and a dished washer the inner edge of which is loosely housed in the aforesaid annular groove, the outer end of said washer and the projection of the extremity of the bent stem bearing at the same time on the rubber base piece when the bent stem is screwed over the straight stem.

2,495,956
METHOD OF PRODUCING GLASS FIBERS
Everett J. Cook, Toledo, Ohio, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio
Application November 13, 1945, Serial No. 628,056
12 Claims. (Cl. 49—83.1)

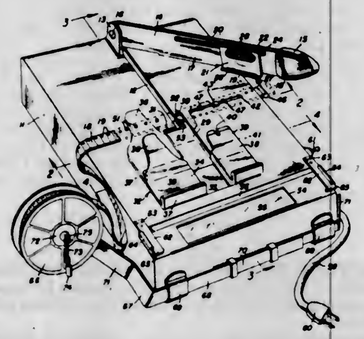
1. The method of producing continuous glass fibers of uniform diameter which comprises, feeding glass stock into a heating chamber having a plurality of apertures in one horizontal wall thereof of considerably larger size than the glass fibers to be produced, heating the glass stock within the chamber by use of high frequency heating to maintain a supply of molten glass therein of uniform temperature in the mass adjacent the apertures, establishing a constant pressure differential between opposite sides of the body of molten glass disposed against said apertures of sufficient intensity to cause positive move-

ment of the molten glass through the plurality of apertures at a constant rate in slowly moving streams attenuating the exuded glass streams solely by a mechanical device moving at a con-



stant rate and at high speed to produce continuous glass fibers of a determined and controlled diameter governed by the differential of rate of movement between the exuded streams and the attenuated fibers.

2,495,957
FILM SPLICER AND VIEWER
Harry B. Corsaw, Visalia, Calif.
Application December 16, 1947, Serial No. 792,039
4 Claims. (Cl. 154—42.1)



1. A film splicer and viewer comprising a base, a blade pivoted at the rear of the base, said base having a slot therein and an opening in front of the slot, a holder slidably mounted adjacent the opening at one side of the slot, said base having projections adapted to receive and hold film sections at opposite sides of the opening and slot, said blade having a lateral projection and adapted to be moved back and forth for removing the emulsion from a film and having a roughened portion for removing said emulsion and a clamping portion adapted to hold the spliced ends of the film together when connected.

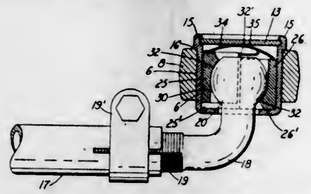
2,495,958
DIALLYL ESTERS OF PHOSPHOROUS ACID
W E Craig, Philadelphia, and William F. Hester, Drexel Hill, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 7, 1947, Serial No. 767,316
3 Claims. (Cl. 260—461)

1. Compounds of the formula

$$(CH_2{=}CR'CH_2O)_2POH$$

wherein R' is selected from the class consisting of hydrogen and the methyl group.

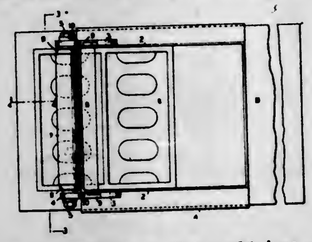
2,495,959
STEERING ARM JOINT ASSEMBLY UNIT
William A. Flumerfelt, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio
Application May 11, 1946, Serial No. 669,171
2 Claims. (Cl. 287—90)



1. A steering wheel arm fixed to a vehicle wheel, said arm having an enlarged boss with a vertically extending transverse opening in said boss; a tie rod universal joint assembly carried directly by said wheel steering arm, said assembly including a cylindrical shell fitting within said transverse opening in said arm, said shell having an external flange adjacent the upper end having a portion fitting against the outside upper surface of said boss surrounding said opening to prevent said joint from slipping downwardly through said boss; said shell having an inturned portion on the lower end thereof to provide a horizontal seat receiving flange; ball seat and take up members within said shell; a ball within said seats; said ball having a downwardly depending integral curved shank, said shank terminating in a longitudinal portion provided with screw threads for attachment to said tie rod, said ledge on said shell providing an opening larger than said shank but smaller than the ball, said seat members including a pair of oppositely arranged ball contacting seat portions, spring means within said shell at the opposite end from said ledge arranged to urge said ball and seat members continually into contact to take up for wear with a seat end in contact with said ledge and a plate for retaining said spring member in said shell.

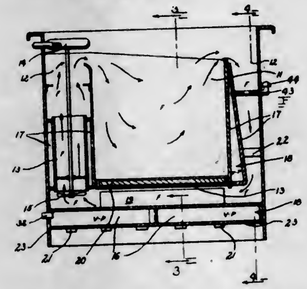
2,495,960
ROLLER SURFACER FOR CONCRETE BLOCKS
Walter R. George, Orlando, Fla., assignor to F. C. George Machine Company, Orlando, Fla., a corporation of Florida
Application April 25, 1947, Serial No. 743,800
3 Claims. (Cl. 25—21)

1. A surfacer and finishing device for a machine having a mold box with material exposing area, comprising a material dispensing hopper leading to the box thru the exposed area, mounted to traverse the latter, means to scrape surplus material from the box and rotatable surfacer means drawn by the hopper, on its rearward movement and confronting the exposed area and



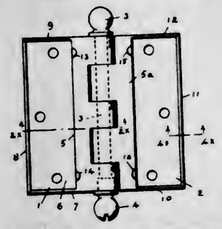
exerting pressure upon the mold box content during movement of the hopper for surfacing said box content after surplus material has been scraped therefrom.

2,495,961
PLASTIC DIP TANK
Joseph E. Goldston, Toledo, Ohio, assignor to Castaloy Corporation, Detroit, Mich.
Application March 13, 1946, Serial No. 654,172
7 Claims. (Cl. 257—2)



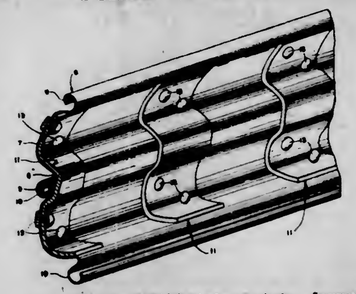
5. A dip tank comprising a dip pot, a tub surrounding said pot and said tub having open top surfaces to permit a circulation of fluid from one to the other, means for causing a fluid circulation from said tub to said pot, and a closed vapor pressure heating chamber surrounding said dip pot and within said tub.

2,495,962
HINGE
Frank F. Gravelle and Theodore Thape, Rochester, N. Y.
Application March 26, 1947, Serial No. 737,208
1 Claim. (Cl. 16—159)



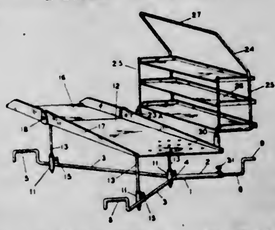
In a butt hinge the combination of two leaves, each leaf having bearings that are interspaced with the bearings of the other leaf, each leaf having a thick portion parallel to said bearings and a thin portion parallel to said thick portion, the thick portion being placed between the thin portion and the bearings, the thin portion of each leaf being surrounded by a knife edge on three sides thereof, said knife edge being adapted to be sunk into the woodwork of the door or door frame to which the hinge is to be attached.

2,495,963
ROLLING DOOR
Ralph H. Greegor, Columbus, Ohio, assignor to The Kinnear Manufacturing Co., Columbus, Ohio, a corporation of Ohio
Application March 21, 1946, Serial No. 656,075
2 Claims. (Cl. 160—235)



1. An articulated metal curtain formed of crowned metal slats terminating at the edges in loop portions, the loops of one slat being adapted to respectively engage the loops of the adjacent slats to form slidable joints, and a plurality of rigid reenforcing plates extending across at least two of the adjacent slats as far as the oppositely disposed loops of the double-slat unit in order to fix the two slats rigidly with respect to one another at an angle which substantially increases the crown thereof to impart resistance to the curtain with respect to transverse width pressure, said plates being spaced along the lengths of said slats.

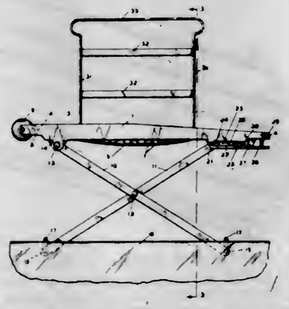
2,495,964
BABY HANDLING DEVICE
Clarence J. Gustaveson, Chehalis, Wash.
Application August 6, 1947, Serial No. 766,611
1 Claim. (Cl. 4—185)



A device of the character described comprising a supporting frame adapted to clamp upon the sides of a bath tub, said frame including a tubular member having bifurcated frame arms on one end thereof terminating in inverted U-shape tub edge engaging hooks, an arm adjustably supported in the other end of said tubular member terminating in an offset hanger adapted to rest upon the opposite side of a tub

from said hooks, vertically disposed sleeve members on said tubular member and bifurcated frame arms, supporting legs adjustably supported in said sleeve members, a perforated tray secured to the upper ends of said supporting legs being formed with oppositely disposed vertically extending sloping side walls, a back rest pivotally attached to one end of said tray, angle adjusting means therefor, supporting sleeves on one of said side walls of the tray, and a combined towel rack and shelf assembly detachably supported in said last mentioned supporting sleeves.

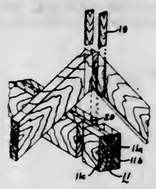
2,495,965
BABY HANDLING DEVICE
Clarence J. Gustaveson, Chehalis, Wash.
Application October 13, 1947, Serial No. 779,498
4 Claims. (Cl. 4—4)



1. A baby handling equipment, including a tray in which the baby is to be placed during handling, a pair of supporting legs pivoted each side one end of the tray, a second pair of legs supported on a transverse rod extending through slots formed at the sides of the opposite end of the tray, the two pairs of legs extending downwardly at opposite angles and crossing each other and pivoted together, a latch pivotally mounted under one end of the tray to operate with the transverse rod, said latch having a series of notches in any one of which the transverse rod will engage, a spring between the free end of the latch and the underside of the tray to hold the latch in latching relation with the transverse rod, and a pair of bars to which the lower ends are pivoted, one end of each bar having an angular end to engage over the side of a tub, the opposite end of each bar having a telescopic connection with an angular extension to engage over the side of a tub.

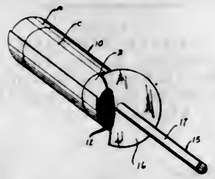
2,495,966
JOINT BETWEEN STRUCTURAL MEMBERS OF BUILDINGS
Malcolm E. Haines, Xenia, Ohio, assignor to The McDowell & Torrence Lumber Company, Xenia, Ohio, a corporation of Ohio
Application June 10, 1944, Serial No. 539,699
8 Claims. (Cl. 20—92)

1. In combination, a pair of building members one of which has a tapered groove convergent toward its open side and the other of which has an outwardly extending undercut tongue part disposed in said groove, a wedge between one side face of said tongue part and one side wall of said groove, said wedge and tongue filling said groove, and means for holding said building members rigidly in a direction along the length of said groove, said means comprising a rib on one of the other side faces of said tongue and a notch



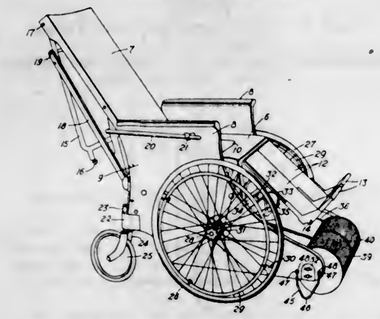
in the adjacent groove surface in which said rib rests.

2,495,967
AMUSEMENT DEVICE
Roger A. Hamilton, Rutherford, N. J.
Application September 27, 1949, Serial No. 117,980
3 Claims. (Cl. 46—1)



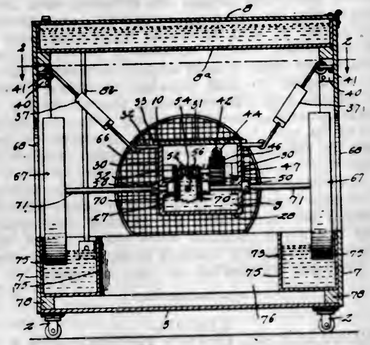
1. In a toy of the character described, an active element comprised of a web of resilient material formed into a plurality of convolutions each of which is in light frictional contact with its neighbors, said material being set or tempered to cause it to exist in the form of a helix when in normal repose and to cause it to tend to return to its helical form when forces exerted axially thereon to distort it become less than the inherent urge produced in said material by the temper thereof, a handle having a portion thereof extending into and secured to the innermost of said convolutions, and an abutment member carried on said handle forming a support for one edge of said helical band when the latter is in said normal repose with its axis approaching a vertical plane.

2,495,968
INVALID EQUIPMENT
Joseph G. Hausman, Cincinnati, Ohio
Application August 13, 1945, Serial No. 610,429
9 Claims. (Cl. 280—233)



1. In a convalescent carriage of the class described, the combination of a chassis having an elevated seat portion, a back rest above one end of the seat portion, and propulsion means disposed forwardly of the opposite end of the seat portion, said propulsion means comprising a pair of drums and a shaft supporting said drums in position to be contacted by the feet of a patient, means supporting the drums upon the chassis for rotation independently of one another, independently rotatable ground-engaging hand wheels and swivel casters supporting the chassis for movement along a floor surface, separate shaft means supporting said ground-engaging hand wheels and a driving connection between each drum and one of the hand wheels, enabling the patient to propel the carriage by foot power applied to the drums, said drums being spaced apart axially a limited distance such that both drums may be contacted and rotated by one foot only.

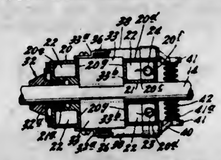
2,495,969
PORTABLE AIR CONDITIONER
William F. Hoffman, Paducah, Tex.
Application August 10, 1945, Serial No. 610,106
1 Claim. (Cl. 261—92)



An air conditioning apparatus comprising a housing having side walls, said side walls having openings therein, a vat for containing water disposed within the lower portion of the housing and underlying certain of said openings, rotary filters partly dipping in said vat, one of said openings having an air expelling fan mounted adjacent thereto and common means for operating the rotary filters and fan simultaneously, said rotary filters being located with at least one filter overlying each opening excepting the opening adjacent the fan, said means comprising a gear box, a motor for driving the fan, shafts extending from the rotary filters into the box, a shaft extending from the motor into the box and gears between the last mentioned shaft and the first mentioned shafts, and adjustable members extending from the corner portions of the box to upper portions of the interior of the housing for suspending said gear box.

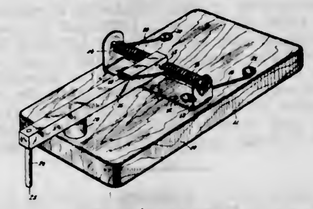
2,495,970
CARBON COOLER FOR ARC LAMPS
Harold I. Huff, Los Angeles, Calif.
Application September 6, 1949, Serial No. 114,264
4 Claims. (Cl. 176—41)

1. A carbon cooler for a projection arc lamp having a carbon, a frame, and means on said frame for feeding said carbons movable longitudinally into arcing relation with another carbon, said cooler comprising: an annular water jacket dimensioned to surround said carbon and having an inner wall adjacent the carbon and an outer wall spaced from the inner wall, said jacket having a plurality of juxtaposed apertures in said inner and outer walls; brush passage walls extending between said inner and outer walls at



each pair of juxtaposed apertures and defining brush passages open at their inner and outer ends and sealed from said water passage; a brush in each brush passage; and means urging said brushes inwardly to contact a carbon within the water jacket.

2,495,971
TOOL FOR PERFORATING GLASS TILE
John F. Iselin, Indianapolis, Ind.
Application October 18, 1946, Serial No. 704,008
4 Claims. (Cl. 49—28)

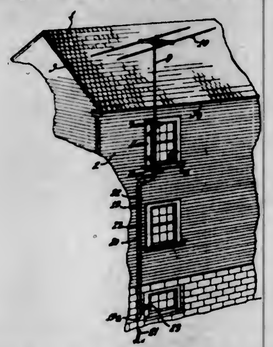


4. A glazier's tool comprising a base having a bottom surface and a top surface, journal means supported above the top surface of said base, an arm supported on said journal means and swingable thereabout, a yieldable buffer projecting above the top surface of said base in the path of said arm, spring means biasing said arm toward engagement with said buffer, and a striker carried by said arm, the free end of said striker being positioned, when said arm is normally supported on said buffer, beyond the limits of said base and in a plane parallel with said bottom and top base surfaces and disposed between said surfaces, said buffer means being distortable, under the effect of a blow struck against it by said arm moving under the influence of said spring, to permit said striker end to move beyond the plane of said bottom surface.

2,495,972
ART OF MOUNTING TELEVISION RECEIVING ANTENNAS
Ernest O. Johnson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1946, Serial No. 687,477
1 Claim. (Cl. 250—33.51)

Television receiving-antenna apparatus comprising means for mounting a mast upon the exterior of a building having an overhanging roof and a window frame including upright and sill portions which project different distances from said building-exterior beneath the overhanging portion of said roof, said apparatus comprising a pair of triangular brackets provided with mounting means on corresponding base-sides of

said triangles whereby said brackets may be mounted one above the other on said differently projecting portions of said window-frame, said brackets being in the form of right triangles of duplicate construction and dimensions, a di-pole adjacent the upper end of said mast, notched U-shaped clamping plates, one for each bracket, for securing said mast in a vertical position to a



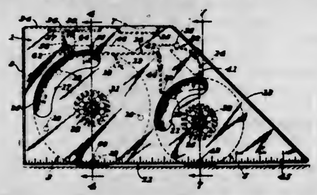
projecting arm of each bracket at a selected distance from its base-side sufficient to clear the overhang of said roof, a brace for each bracket adapted to be attached at one end to said window frame and at the other end to a selected point on said projecting arm determined by the relative projection of the part of said window frame to which said base of said bracket is affixed, and means whereby said mast carries a leadin.

2,495,973
VENETIAN BLIND
Griffith Jones, Anderson, Ind.
Application April 12, 1946, Serial No. 661,787
1 Claim. (Cl. 160—173)



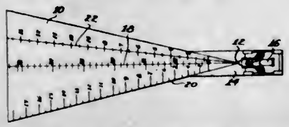
In Venetian blind assemblies, wherein an upper tilting member and a lower lifting member are connected by tapes connected by cross tie formations to form supports for slats, wherein the assembly includes lifting cords for controlling the vertical movement of the lower lifting member and independent means for controlling the tilting activities of the upper member, and wherein the lifting cords pass through intermediate zones in the width of the slats, an assembly of such type having each of its slats formed with an open-ended laterally-extending slot for each lifting cord with each slot extending from the intermediate zone to an edge of the slat to permit individual positioning and removal of slats relative to supporting cross-ties, the assembly of slats presenting the slot open ends of adjacent slats as located on opposite side faces of the blind, each slot additionally having its opposite side edges formed with tape-receiving notches, the cross-tie formations each including a pair of spaced-apart cross-ties with the lifting cords extending through the space between the adjacent ties of the formation to thereby place the slot of the slat as substantially alined with the space between the pair of ties and present the slat support as underlying the slat in the immediate vicinity of the opposite side walls of the slot.

2,495,974
ROTARY MEASURING DEVICE
Clifford H. Kelley, Chattanooga, Tenn.
Application December 29, 1948, Serial No. 68,003
3 Claims. (Cl. 33—141.5)



1. A measuring device substantially of the character described comprising a frame having two rotatable measuring wheels journaled therein on spaced parallel axes, and an audible indicating system for indicating increments of measurement, said audible indicating system consisting of actuating means responsive to the rotation of either of said rotatable measuring wheels and slidable operating means for bringing said actuating means into alternate operative engagement with either of said rotatable measuring wheels; said actuating means consisting of striker pins mounted on each of said wheels, a bracket pivotally mounted to said slidable operating means and having two legs extending therefrom for respectively engaging said striker pins, a clapper secured to said bracket, a bell mounted on said frame for engagement by said clapper, and spring means for resiliently returning said bracket to the operative position; and said slidable operating means consisting of a thumb screw slidably mounted on said frame for locking said system in an operative position with either wheel, and a pivot block rigidly secured to said thumb screw but pivotally connected to said bracket.

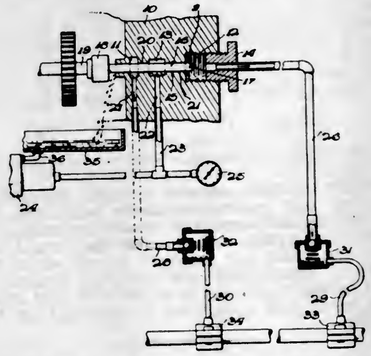
2,495,975
PREPLANNING DEVICE TO INDICATE A CAMERA FIELD
Norval R. Kelly, Great Neck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1945, Serial No. 601,889
3 Claims. (Cl. 33—1)



1. A measuring unit for use in pre-planning the layout of a studio setting, comprising a triangular sheet of relatively transparent material having an extending portion adjacent one vertex thereof on which is represented a camera of fixed focal length, the portion of said representation corresponding to the lens of said camera being located substantially at said one vertex, and a scale, co-linear with the optical axis of said camera, extending from said one vertex to substantially bisect that angle of said triangle, said scale indicating the distance of points therealong from the lens of said camera, said triangle being so proportioned that the length of an imaginary line thereon perpendicular to said scale and terminating at the edges of said triangle will indicate the width of the visual field of said camera at the

distance from said lens determined by the point of intersection between said imaginary line and said scale.

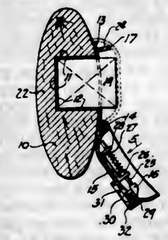
2,495,976
LUBRICANT METERING SYSTEM
Donald M. Lawrence, Newark, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 23, 1944, Serial No. 559,872
1 Claim. (Cl. 184—7)



In a system for metering lubricant to bearing means, the combination of check valve means, a housing including a bore having, in series therealong in the order named, an end journal opening, a first distribution chamber, a metering section, a receiving chamber, a second metering section, and an opposite-end distribution chamber; a metering pin in the bore coaxially therewith providing a metering orifice about the pin in each of said metering sections and extending counter to said series from said second metering section to a position beyond said journal opening for cooperation with means adapted to impart definite rotation to the pin about its axis during the metering of the lubricant through said orifices, a source of lubricant supply, a sump communicating with said source adapted to receive leakage lubricant from said journal opening, conduit means adapted to conduct lubricant under pressure from said source to said receiving chamber, and means including pipe-line means providing for passage of the lubricant from said distribution chambers to the bearing means through the check valve means

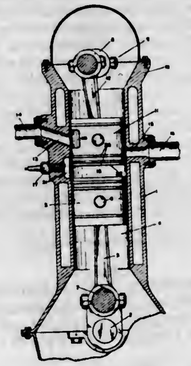
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2,495,977
GUNSTOCK AMMUNITION CONTAINER
Jay R. Madsen, Mount Pleasant, Utah
Application April 23, 1946, Serial No. 664,198
7 Claims. (Cl. 42—71)



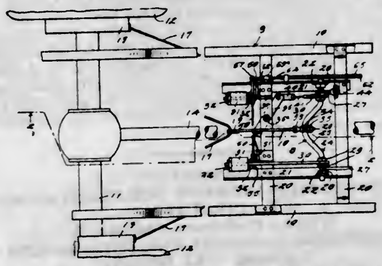
1. A gunstock comprising a butt having a recess therein, the entry aperture of said recess being in coincidence with one side face of said butt so that the plane of said aperture is substantially vertical when said gunstock is in the normal firing position; a wall portion between the back surface of said recess and the other side face of said butt, and a cover having a cupped configuration that is substantially in registry with said recess so as to complement the storage capacity of the latter.

2,495,978
OPPOSED PISTON ENGINE, FOUR CYCLE
Willard A. Maxwell, Portland, Oreg.
Application April 28, 1947, Serial No. 744,431
3 Claims. (Cl. 123—51)



1. An internal combustion engine comprising a cylinder, primary and secondary pistons reciprocating therein, a power crank shaft connected to the primary pistons, a secondary crank shaft connected to the secondary pistons, said secondary crank shaft being geared to the said primary crank shaft, said secondary crank shaft adapted to rotate one-half the speed of the primary crank shaft, an intake port communicating with a by-pass located on the side of the secondary piston, said by-pass communicating with a by-pass located in the cylinder wall and communicating with a combustion chamber of the engine.

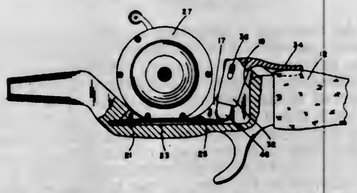
2,495,979
PARKING BRAKE ACTUATOR AND CONTROL
William F. McSparran, Jr., Kennett Square, Pa.
Application February 25, 1949, Serial No. 78,452
6 Claims. (Cl. 188—174)



1. A parking brake actuator and control comprising, in combination with a motor vehicle

having a parking brake cable connected at its ends to the brakes of the rear wheels of a vehicle and extending forwardly therefrom, a shaft journaled on an axis disposed transversely of the vehicle and supported thereby, said shaft having a crank portion normally disposed to extend in a downward direction, a linkage means connecting said crank to the intermediate portion of the parking brake cable, at least one weighted arm fixed to and extending rearwardly from the shaft and disposed at an angle to the crank, said weighted arm being urged downwardly by gravity to rotate the shaft in a direction for swinging the crank forwardly of the vehicle to cause the linkage means to exert a pull on the parking brake cable for applying the parking brakes, and manually actuated means including a manually actuated lever disposed to be engaged and actuated by the vehicle operator for rotating the shaft in the other direction to swing the weighted arm upwardly and to displace the linkage means rearwardly for releasing the pull exerted thereby on the parking brake cable, said manually actuated means including a rigid member pivotally connected to said lever and having its pivot disposed for movement across a line forming a dead center of the level pivot when said manually actuated lever is moved manually to a position for releasing the parking brake cable, and to provide a means for automatically retaining the weighted arm in a raised, parking brake releasing position.

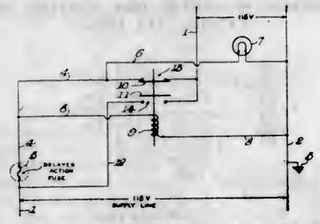
2,495,980
FISHING ROD HANDLE
Ernest Meierjohan, Cincinnati, Ohio
Application October 7, 1946, Serial No. 701,703
8 Claims. (Cl. 43—22)



1. A fishing rod handle member having a reel seat disposed intermediate its length to receive the base plate of a line reel, said seat terminating at its forward end in an undercut portion into which the forward end of a reel base plate is receivable, a locking member pivotally connected to the handle member above and overhanging the rear portion of said seat, said locking member movable arcuately about said pivotal connection from a contacting to a non-contacting relationship with the rear portion of a reel base plate mounted in said seat, and means housed within said locking member for providing endwise movement thereof about said pivotal connection, said locking member when in a contacting relationship forcing said base plate forwardly and downwardly relative to said seat for precluding accidental or unintentional displacement therefrom.

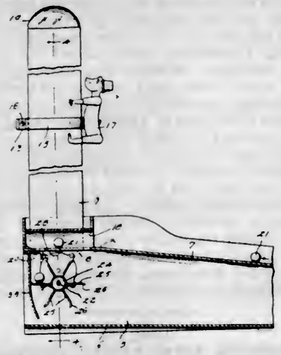
2,495,981
OVERLOAD INDICATOR FOR ELECTRICAL CIRCUITS
William Parkerson, Chicago, Ill.
Application January 12, 1948, Serial No. 1,774
6 Claims. (Cl. 177—311)

1. An electrical system for indicating overload, comprising two supply lines, a normal supply conductor and an auxiliary supply conductor in one of said supply lines, a signal conductor shunted between said normal conductor and the other of said supply lines, a normally energized signal device connected in said signal conductor, a control conductor shunted between said normal conductor and said other supply line in parallel with said signal conductor, a relay connected in said control conductor, said relay having



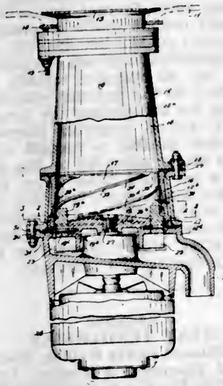
movable contacts adapted to close the circuit through said normal conductor and open the circuit in said auxiliary conductor when the relay is energized and to open the normal circuit and close the auxiliary circuit when the relay is deenergized, and a circuit breaker in said normal conductor in series with said signal and relay and responsive to overload on the system.

2,495,982
BALL OPERATED CLIMBING TOY
Glen H. Porter, Santa Ana, Calif.
Application April 4, 1947, Serial No. 739,283
1 Claim. (Cl. 46—42)



A figure toy comprising an elongated hollow base open at front and rear ends and having a top wall extending rearwardly at an upward incline, the rear portion of the top wall forming a horizontal platform, a tubular post extending upwardly from the platform and having its lower end opening through said platform, said platform having a small opening in the platform spaced from the post, a hood carried by said platform and disposed over the small opening and being open at its front side, said top wall being grooved to form a depressed alley extending from the front end of the said wall to the front side of the hood, a projectile adapted to be rolled along the alley and into the hood, a shaft rotatably mounted in the base transversely thereof with portions under the post and the second opening, a paddle wheel carried by the portion of the shaft under the second opening for engagement by the projectile to rotate the shaft, a countershaft rotatably mounted under the post and geared to the first shaft, a reel carried, by the counter shaft, a pulley rotatably mounted in the upper end portion of said post, a line wound about the reel and extending upwardly through the post and trained about the pulley with an end portion extending downwardly through the post, a split band fitting loosely about the post and having ears extending from the post at opposite sides of a slot formed vertically in the post, a figure carried by said band, and a strip passing through the slot of the post with its one end secured between the ears of the band and its other end connected with the downwardly extending end of the line whereby upon rotation of the reel in a direction to wind the line thereon the band and the figure will be drawn upwardly along the post.

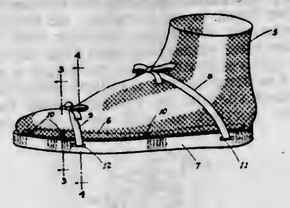
2,495,983
GARBAGE COMMINUTING APPARATUS
Archer W. Richards, Chagrin Falls, Ohio, assignor to Lockley Machine Company, New Castle, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,812
1 Claim. (Cl. 241—257)



In a garbage grinding device of the type having an upright working chamber defined by an annular wall and a power driven disk rotor located adjacent the lower end of said annular wall, spiral shredding ridges on said wall and projecting into said chamber, a series of spaced shredding blades carried by said wall and having serrated edges projecting into said chamber, the blades of said series being located substantially on a line having a reverse slope with respect to said ridges, and a material impelling projection carried by said rotor and adapted to sweep around said chamber adjacent said wall, said projection having on the leading side thereof a material engaging face which is inclined rearwardly and inwardly with respect to a true radial line of said chamber.

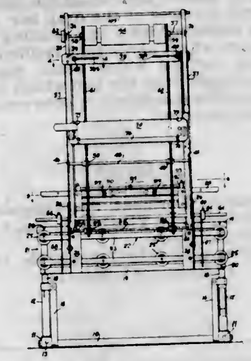
2,495,984
SOLE WITH DETACHABLE UPPER
Edna M. Roy, Pittsburg, Calif.
Application November 25, 1947, Serial No. 787,990
2 Claims. (Cl. 36—15)

1. A combination shoe comprising an outer sole, foot straps on the outer sole extending from side to side thereof for securing said outer sole to the foot of a wearer, an upper for reception of the wearer's foot, the straps being adapted to engage over said upper, an inner sole disposed in the upper on the bottom thereof, and quick detachable snap fasteners releasably connecting the inner sole to the outer sole; said snap fas-



teners including male elements secured on the inner sole and projecting through the bottom of the upper, and cooperating female elements secured in the top of the outer sole and lying substantially flush with the upper surface thereof.

2,495,985
MANIFOLDING ATTACHMENT FOR TYPING MACHINES
Herman F. Sadgebury and Robert Nelson Ward, Dayton, Ohio, assignors to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application May 14, 1945, Serial No. 593,698
14 Claims. (Cl. 197—126)



5. A universal paper feeding attachment for typing machines that have a platen movable past a typing position that includes, a longitudinally elongatable frame, means at one end of said frame to support paper webs fed from one side of the frame to the other thereof, a continuous length band positioned adjacent each longitudinal edge of said frame having a slack loop therein to allow for longitudinal adjustment of said frame, and means extending between the said bands for feeding paper webs over said frame.

2,495,986
MOWING APPARATUS
Paul R. Schroeppel, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application March 5, 1947, Serial No. 732,450
2 Claims. (Cl. 56—25)

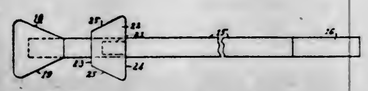
1. In combination in apparatus of the class described a tractor and a cutting mechanism which

includes a cutter bar, a cutter bar head for mounting said cutter bar, a forwardly extending pull bar and a drag bar which extends transversely of the line of draft of the tractor and has a forwardly extending portion for connecting said cutter bar head to said tractor, an abutment on said forwardly extending portion and resilient means for interconnecting said drag bar and said tractor, said resilient means including a pivotally mounted casting having a hollow cylindrical portion formed therein for receiving said forwardly extending portion of said drag bar, retaining



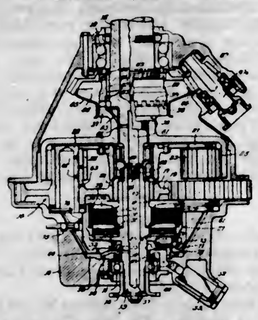
means on said forwardly extending portion in engagement with said casting, a hollow resilient member embracing said forwardly extending portion which is yieldable both longitudinally and transversely, said resilient member being seated in said casting and being disposed between the walls of the hollow portion of the casting and the adjacent surfaces of the drag bar, and bearing means which includes an adjusting ring having a surface which abuts said resilient member and a cam surface which bears against said abutment on said drag bar and which is operable to determine the compressive force exerted upon said resilient member.

2,495,987
HAND BAR
John E. Seaberg, Dermont, Pa., assignor to Guilbert Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1947, Serial No. 738,675
1 Claim. (Cl. 294—15)



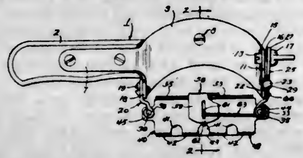
A tool for the purposes described comprising an elongated shaft and a nose portion integrally connected to one end of the shaft, said nose portion having a flat under surface disposed in the plane of the under surface of the shaft, and said nose portion extending laterally at both sides of the shaft and forwardly from the end thereof, the forward edge of the nose portion being disposed at right angles to the axis of the shaft, a post integrally connected to and depending from the shaft at a point spaced along the shaft from its nose-end, and a claw plate fixedly attached to the lower end of the post and disposed at a level below that of the nose portion and extending outward forwardly and laterally beyond the sides of the post whereby one surface of a plate or shape to be turned or moved may be engaged by the under side of the nose portion of the shaft and an opposed surface thereof may be engaged by the claw plate.

2,495,988
TRANSMISSION GEARING
William L. Sheppard, Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 14, 1943, Serial No. 494,619
7 Claims. (Cl. 74—389)



1. In a helicopter, a transmission for driving the sustaining rotor thereof, comprising a housing, input and output shafts extending into the housing, gearing in the housing for providing a torque multiplication between the input and output shafts, an oil-operated clutch connecting the input shaft to the gearing, one-way positive clutch means for connecting the gearing to the output shaft, an oil reservoir surrounding the one-way clutch means, a second oil reservoir supplying oil under pressure to the oil-operated clutch, and a pressure relief valve limiting the pressure in the second reservoir, the oil escaping through the relief valve being conducted to the first reservoir such that the first reservoir is not filled until after clutch operating pressure is established in the second reservoir.

2,495,989
MEAT TENDERIZER
Stephen A. Slauson, Cedar Rapids, Iowa, assignor to National Stamping & Plating Corporation, Cedar Rapids, Iowa, a corporation of Iowa
Application January 2, 1946, Serial No. 638,683
5 Claims. (Cl. 17—30)

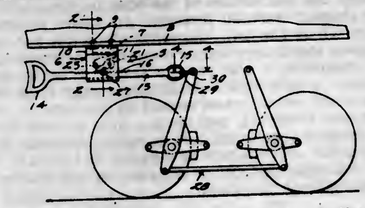


1. A meat tenderizer comprising a plurality of blades spaced apart laterally, a plurality of ejectors between said blades, each of said ejectors having a notch at one side, and a biased member extending across said blades and seated in the notches of said ejectors.

2,495,990
SLACK ADJUSTER
William J. Sockell, Raleigh, N. C.
Application June 18, 1948, Serial No. 33,759
4 Claims. (Cl. 74—503)

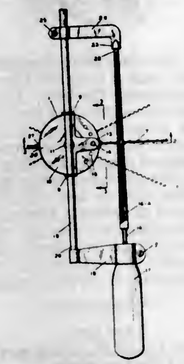
2. A slack adjustor as in claim 1, said pawl and tumbler being disposed between spaced, substantially parallel walls of the bracket, one of said

walls being provided with an opening adapted to accommodate the finger for insertion between said teeth and the pawl for lifting the pawl out



of engagement with the teeth to permit the adjustor bar to be displaced in said first mentioned direction.

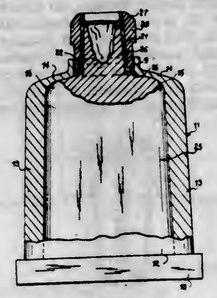
2,495,991
SAW FILER GUIDE
James H. Speed, Seaside, Oreg., assignor to Speed Corporation, Portland, Oreg.
Application January 30, 1948, Serial No. 5,250
1 Claim. (Cl. 76—36)



A new sharpening device comprising a disk formed with a series of indentations near the edge thereof, a yoke pivoted to the disk to receive a file carrying member, said yoke having a tongue with a projection to cooperate with the indentations in the disk to set the angle of a saw to be sharpened, two oppositely spaced apart plates secured to the bottom of the disk, having resilient flanges bent toward each other and spaced apart for the reception of a saw and engage the sides of a saw to hold the latter in position while being sharpened, and a hardened steel plate located in the space between the oppositely disposed plates under the disk, the ends of the hardened steel plate being turned up to embrace the opposite edges of the disk, whereby a saw while being sharpened is gripped under the disk and teeth are protected by the steel plate.

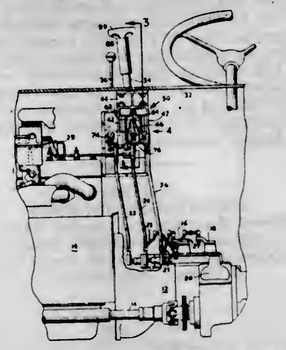
2,495,992
INGOT MOLD AND HOT TOP
Walter W. Urmetz, Parma, Ohio, assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1946, Serial No. 680,260
6 Claims. (Cl. 22—139)

1. In combination, a big end down slab ingot mold having wide sides and narrow sides, the upper end of said mold being nicked-in from said narrow sides and having a central opening of approximately equal dimensions parallel to said wide and narrow sides, and a hot top of



approximately equal horizontal dimensions disposed in operative relation with said opening and extending upwardly therefrom.

2,495,993
TRANSMISSION AND THROTTLE CONTROLLING DEVICE
Robert C. Wallace, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application June 10, 1946, Serial No. 675,679
11 Claims. (Cl. 74—472)

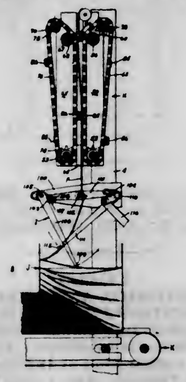


1. In combination in a control mechanism for a power plant having an engine; of a transmission control lever pivoted to move about two coplanar axes; a throttle control mechanism for said engine; and means of adjusting said throttle control mechanism comprising shafting extending through said lever and including a part which is co-axial with one of said axes; a hand grip member carried by said transmission control lever for shifting the same and connected with said shafting; and means for connecting said shafting with the throttle of the engine.

2,495,994
UPRIGHT FOLDING MACHINE
Robert N. Ward and William H. Matthews, Dayton, Ohio, assignors to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application November 11, 1944, Serial No. 562,992
4 Claims. (Cl. 270—79)

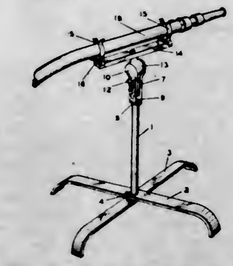
1. In a machine for fan-folding a continuous paper web, a creasing means comprising two

frames, endless chain means on each frame, said chain means having adjacent, substantially parallel passes, alternate parallel blade and roller means on each chain means, so spaced and timed that a blade on one chain means enters between the rollers on the other chain means when moving along said parallel passes whereby the web is alternately creased in opposite directions as it moves between said passes, a pair of spaced pivoted arms positioned at opposite edges of the web



and beneath said creasing means and having their free ends disposed beneath their pivots, a pin on the free end of each arm, said pins engaging opposite sides of the web, means connecting said arms for oscillation so that said pins oscillate across the path of said creased web alternately as it leaves said creasing means engaging the opposite sides of the web, alternately to thereby engage alternate creased sections and stack them in fan-folded relation.

2,495,995
ADJUSTABLE SUPPORT
Hewett Warrens and George William Schumacher, Portland, Oreg.
Application January 30, 1948, Serial No. 5,246
1 Claim. (Cl. 248—82)



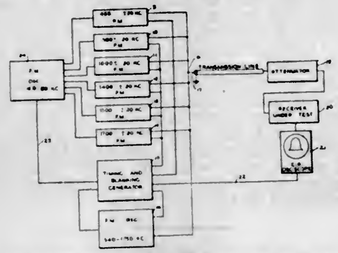
A supporting device comprising a base and a vertical standard, the upper end of the standard supporting a two-part vertically disposed clamp which includes a fixed element having a cut-out portion to form a shoulder and formed at its upper end with a semi-spherical cup-shaped socket, the inner edge wall of the cup-shaped socket inclining downwardly, the shoulder having a notch, a companion clamping element having a lug seated in the socket in the shoulder, the companion clamping element extending upwardly adjacent the fixed element and formed at its upper end with a semi-spherical cup-shaped socket the inner edge wall of which inclines downwardly, the inclination of the edge portions of the cup-shaped sockets forming an open inclined space when the two clamping elements are assembled together, a screw extending between the two elements, a nut on the screw, a horizontal member, a spherical element depending from the horizontal element and seated in the cups of the clamping elements, and spring clips on and near the ends of the horizontal member, whereby the horizontal support can be rotated in the cups of the elements and tilted sidewise in the inclined space between the cups.

2,495,996
FILTER FOR COFFEE MAKERS
Frank E. Wolcott, Jr., West Hartford, Conn., assignor to The Silex Company, Hartford, Conn.
Application February 3, 1945, Serial No. 575,965
2 Claims. (Cl. 210—162)



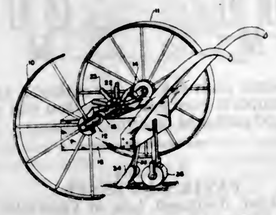
1. A filter of the character described comprising a lower disk-shaped member having an upper member superimposed thereon; the said lower disk having openings extending therethrough and a row of radially extending ribs, an upper member superimposed upon the lower member and having a bottom surface provided with a row of radially extending ribs corresponding to and intermeshing with the ribs in the lower disk, and a plurality of spaced projecting ribs on one of said disks adapted to engage between adjacent ribs of the opposite disk to relatively position said disks and to provide a staggered slit between said disks permitting filtration therethrough.

2,495,997
RADIO RECEIVER ALIGNING APPARATUS AND METHOD
Millard E. Ames, Jr., Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 31, 1944, Serial No. 561,287
6 Claims. (Cl. 250—20)



5. The method of visually testing with a cathode ray tube and aligning a radio receiver having an input circuit and an output circuit, which comprises applying a series of narrow bands of frequencies over a predetermined range to the input circuit of the receiver under test alternately with a broad band of frequencies over the entire predetermined range, applying the signals from the output of the receiver to produce visual indications on the cathode ray tube oscilloscope, producing deflections therein in one direction in accordance with the signals in the output of the receiver and sweeping the beam of the oscilloscope in its other direction in synchronism with the variations of frequencies in the narrow bands of frequencies and in synchronism with the variation in frequency of the broad band of frequencies and alternately with each other.

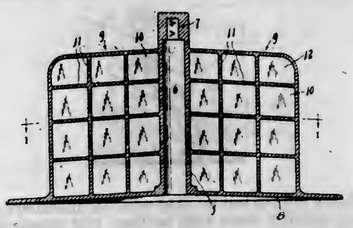
2,495,998
SEED LIFTER AND HOPPER ARRANGEMENT FOR PLANTERS
Calvin S. Baker, Portland, Oreg.
Application April 12, 1945, Serial No. 587,915
5 Claims. (Cl. 222—177)



1. A seed planter comprising a hopper for containing a quantity of seeds, a circular lifter element rotatable about a horizontal axis extending above the level of seeds contained in said hopper, said hopper including a curved bottom wall and a plane wall extending at right angles to the axis of said element, said curved wall intersecting said plane wall forming a corner concentric with said axis, the periphery of said element fitting cooperatively and snugly against said curved wall immediately adjacent said corner, the radial surface portion of said element immediately adjacent the periphery thereof fitting cooperatively and snugly against said plane wall immediately adjacent said corner a plurality of angularly spaced notches in the periphery of said element, said notches forming pockets in said corner and adapted for lifting one seed at a time from said quantity contained in said hopper, means defining a discharge chute having an open upper end above the level of said quantity of seeds and immediately adjacent said corner, the bottom of said notches in said element sloping toward said chute whereby seeds lifted by said element automatically drop into said chute as said notches of said element move past the open upper end thereof.

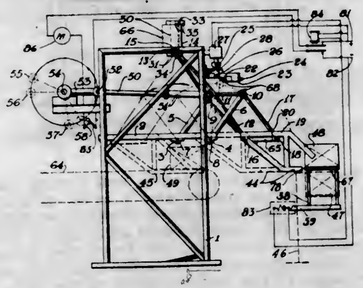
2,495,999
DOLLY FOR WASHING MACHINES
John Holroyd Brook, Toronto, Ontario, Canada
Application March 4, 1947, Serial No. 732,295
1 Claim. (Cl. 68—134)

An agitator for a washing machine comprising a hub for fitting on a vertical spindle driven with an oscillatory motion, a disc-like base member encircling the hub and rigid therewith, and a pair of diametrically opposite blades carried by said hub and joined to said base member to upstand therefrom, each blade consisting of an imperforated radial wall, and intersecting ribs on each side of the radial wall, said ribs being uniformly spaced in vertical and horizontal series in an intersecting manner to project from the sides of the radial wall for a uniform distance



throughout the areas of said sides to form shallow suction pockets.

2,496,000
APPARATUS FOR REMOVING BLOCKS FROM MOLDING MACHINES
George H. Bugenhagen, Midland, Mich.
Application July 23, 1945, Serial No. 606,639
8 Claims. (Cl. 25—1)



1. In a block press apparatus of the class wherein a block is ejected from a press by a block lift mechanism, the combination which includes a block carrier adapted to receive a block from the block lift mechanism, said block carrier being mounted to move upwardly when suitably urged, supporting arms adapted to move horizontally and vertically pivotally attached to the carrier, an actuating arm associated with said supporting arms adapted to move the carrier away from the press and over a receiving member, said actuating member being adapted to telescope and shorten upon contact of the carrier and the press, and means associated with the carrier adapted to move the carrier downwardly as it assumes a position over the receiving member to transfer the block to the receiving member.

2,496,001
APPARATUS FOR AGITATING CURDS
Pierre Paul Caumartin, St-Cuthbert, Quebec, Canada
Application August 21, 1944, Serial No. 550,386
In Canada May 31, 1944
3 Claims. (Cl. 31—48)

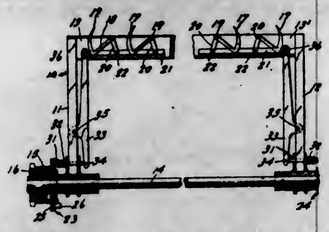
1. An agitator for curds comprising a vessel, a pair of rollers mounted on opposite edges of said vessel, vertical members suspended from said rollers, the lower ends of said members being

rounded and engaging the bottom of said vessel, scrapers on said lower ends and positioned to extend into the corners of said vessel, an agitator



rotatably supported by said vertical members and spaced slightly from said bottom, and means supported by said vertical members for driving said agitator.

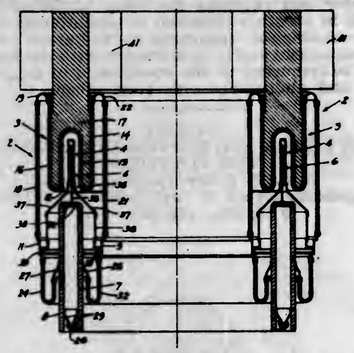
2,496,002
PICKUP FOR HARVESTER GATHERING REELS
Arthur D. Douglas, Berkeley, Calif.
Application January 31, 1947, Serial No. 725,635
3 Claims. (Cl. 56—226)



3. In a harvester gathering reel having supports and driving means and a series of angularly related sweeps; spaced hooking elements mounted on the front face of each sweep with the hooking elements on the respective sweeps of the series operating in opposite directions and transversely to the path of travel of the reel, to respectively engage under fallen grain the lay of which is of opposite angularities relative to the path of travel of the reel, means for normally retracting said hooking elements, and means cooperative between the supports and said hooking elements for advancing the hooking elements on respective sweeps in sequence in opposite directions as the sweeps approach their lowermost positions, and for releasing the hooking elements for retraction when said lowermost positions have just been passed to prevent breaking or tearing up of the grain stalks while advancing to the cutter of the harvester, and raising the stalks for advance to the cutter by the next following sweep.

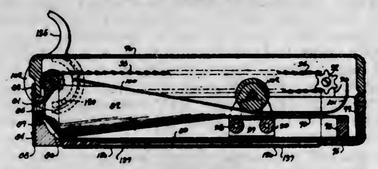
2,496,003
ELECTRON TUBE HAVING ANNULAR ELECTRODES
Hubert H. Eaves, San Mateo, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application January 2, 1948, Serial No. 63
5 Claims. (Cl. 250—27.5)

2. An electron tube comprising an annular envelope, a ring-shaped anode adjacent one end of the envelope and having an annular cavity, a cathode terminal ring adjacent the other end of the envelope, an annular cathode projecting into the anode cavity and connected to said cathode terminal, a grid terminal ring interposed in each side wall of the envelope, an annular double-wall grid projecting into the anode with a wall of the



grid adjacent each side of the cathode, and conductive supports connected between the walls of the grid and said grid terminal rings.

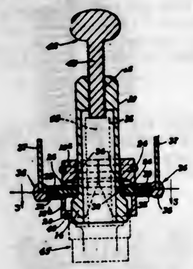
2,496,004
PASTE DISPENSER
Carl F. Geyer, deceased, late of Charlotte, N. C., by Eula Pierce, administratrix, Charlotte, N. C., assignor to Catherine M. Geyer
Application November 19, 1945, Serial No. 629,420
1 Claim. (Cl. 222—102)



Apparatus for dispensing paste from a tube comprising a casing having means for receiving a tube of paste, the front end of the casing having a cavity therein for reception of the open end of the tube, the front end of the casing having an opening extending from the cavity to the exterior of the casing, a sliding closure for the opening, a spring steel plate having its rear end mounted in the rear end of the casing in spaced relation from the bottom of the casing and on which a tube of paste is adapted to rest, a second spring steel member adapted to rest on top of the tube, a U-shaped member having a lower roller adapted to travel along the lower surface of the first spring steel member and having an upper roller adapted to travel along the top surface of the second spring steel member, to thereby compress the tube disposed between the two spring steel members, a pair of endless chains mounted at each end of the casing for rotation and having their lower portions secured to the U-shaped member, the mounting of the chains at the front end of the casing comprising a transversely disposed shaft rotatably mounted in the casing and having a pair of sprocket wheels thereon on which the chains are mounted, a ratchet wheel fixed on one end of the shaft, oscillatable means on said shaft having a dog for engaging the ratchet wheel after the oscillatable means have been moved a predetermined amount for imparting rotation to the shaft and a connection between the oscillatable means and the

closure means for moving the closure from over said opening before rotation is imparted to the shaft.

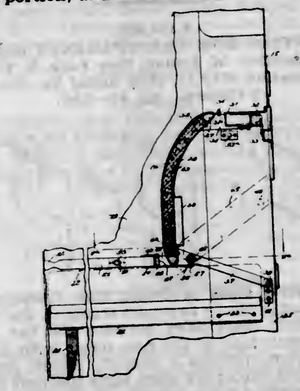
2,496,005
GRIPPING DEVICE TO REMOVE BUSHINGS AND THE LIKE
Robert H. Grant, Everett, Mass.
Application November 2, 1946, Serial No. 707,377
1 Claim. (Cl. 29—283)



A gripping device comprising a supporting sleeve having a neck portion at the bottom that is of greater width than the adjoining portion thereof, two substantially semi-circular jaw members each having a peripherally extending channel in their upper portion outer surfaces, a spring in said channels extending around both said jaw members, each said jaw member having an upper portion that is thicker than the lower portion and each having a hole in said lower portion, a clamp supporting ring exteriorly telescoping said sleeve for axial sliding movement thereon limited by said neck portion, said clamp supporting ring lying within and extending between said jaw members the interior space of which is less than the width of said sleeve neck portion, said ring having two extensions embodying screw threaded portions that extend through said jaw member holes, coil springs around said extensions the outer ends of which bear against the inner surfaces of the portions of said jaw members that surround said holes, two clamp members for said two extensions each embodying a handle and a screw-threaded socket portion that are in screw-threaded engagement with said extensions.

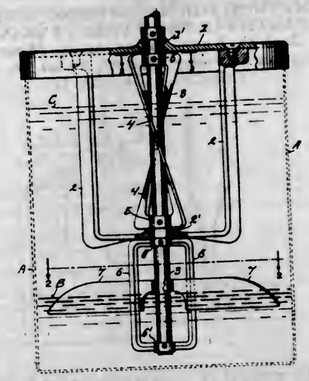
2,496,006
CONVERTIBLE BED AND SEAT
Albert A. Hopeman, Jr., and John A. Bohnsack, Waynesboro, Va., assignors to Hopeman Bros., Inc., New York, N. Y., a corporation of Delaware
Application December 28, 1945, Serial No. 637,593
8 Claims. (Cl. 5—59)

8. A convertible bed and seat comprising a wall having a recessed portion, a combined bed and seat having one side thereof positioned in said recessed portion, a seat back rest, an article supporting shelf pivotally connected with said back rest adjacent its top and with said wall at the back of said recessed portion, spaced links pivotally connected with the opposite ends of said back rest adjacent its bottom and with said wall at the sides of said recessed portion, respectively, whereby said back rest is movable from a retracted position at the back of said recess to and from supporting position above said bed and seat with said shelf in horizontal supporting position, spring means counterbalancing said back rest, a tubular bracing member connecting said links, spring actuated plunger means slidable in said member for latching engagement with said wall at a side of said recessed portion, and a handle pivotally connected



with one of said links and movable in one direction to actuate said plunger means to release said back rest and movable in another direction to move said back rest from one to another of said positions thereof.

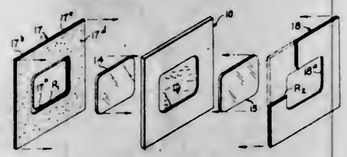
2,496,007
DOUBLE PROPELLER FOR STIRRING PAINTS
Roland G. Hornik, Cedarburg, and Stanley E. Wood, Thiensville, Wis.
Application March 8, 1948, Serial No. 13,645
1 Claim. (Cl. 259—116)



A mixer for paint or like liquids having a cap adapted to seat upon a container; comprising a yoke extending downwardly from the cap approximately midway of a container, a shaft journaled in the cap and yoke terminating adjacent to the container bottom, a spiral blade carried by the shaft extending between the cap and yoke journals of a comparative small diameter adapted to be submerged in the top light liquid, a pair of longitudinally disposed looped arms secured to the lower portion of the shaft below the yoke, and a radially disposed floating blade slidably mounted upon the shaft between the arms, the floating blade being initially adapted to settle upon the top thick surface of the bottom liquid

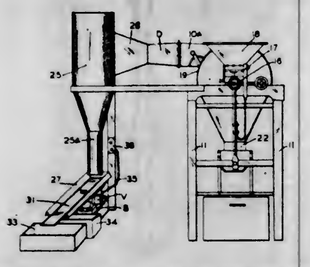
and to gradually sink therein as said bottom liquid is agitated by the floating blade to thus uniformly mix the thin and thick liquids.

2,496,008
MOUNTING FOR TRANSPARENCY SLIDES
Theodore M. Jablon, New York, N. Y.
Application May 13, 1946, Serial No. 670,048
8 Claims. (Cl. 40—158)



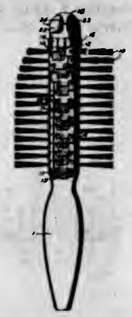
4. A glass plate protected film transparency comprising a film, a two-part frame in which the film is held marginally between the two parts so that each face of the film forms with its adjacent frame portion a shallow recess, characterized by a protective glass plate inserted in one of said recesses for protecting the emulsion side of the film, which glass plate is thicker than the recess is deep so that a portion of its thickness protrudes outwardly from the recess, and an auxiliary frame associated with the first mentioned frame for retaining said glass plate in its recess, said auxiliary frame having a light passage opening provided with a marginal recess extending along the edge of said opening and receiving the protruding portion of the thickness of the glass plate.

2,496,009
METHOD FOR RECOVERING MEAL PARTICLES FROM PEANUT SKINS
Jack W. Kuehn, Minneapolis, Minn.
Application February 18, 1946, Serial No. 648,381
2 Claims. (Cl. 241—7)



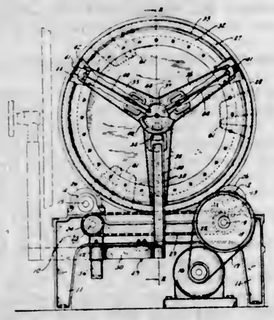
2. The method of recovering peanut meal from skins normally discharged and wasted in the blanching operations of peanuts which consists in continuously separating the loose skins from the divided kernels, hearts and minute particles during the blanching operations, successively discharging the separated loose skins upon a somewhat inclined, foraminous frictional surface, said surface having closely spaced apertures approximating $^{6}/_{64}$ of an inch in diameter and then agitating with high frequency vibrations, said surface to tumble, rub and move said loose skins, one against each other and against said frictional surfaces to detach minute particles of meals from said skins and separating and collecting the recovered meal.

2,496,010
HAIRBRUSH WITH ADJUSTABLE BRISTLE HEAD
Fred Hermann Lotters, Albany, N. Y., assignor to Mohawk Brush Company, a corporation of New York
Application July 7, 1948, Serial No. 37,447
8 Claims. (Cl. 15—201)



1. Hair brush comprising an adjustable bristle head including a stack of disks coaxially mounted, each relatively circumferentially displaceable with respect to the next, a peripheral series of bristle tufts carried by each disk, said bristle tufts for all the disks forming normally straight rows extending longitudinally of said bristle head, each disk being operatively connected to the next, with limited lost motion in each connection whereby upon rotary movement being applied to the end disk of the stack, said disks, beginning with said end disk, move progressively in consecutive order, disposing said rows of bristle tuft spirally, each disk first moving independently of the disk next remote from said end disk and then moving with said next remote disk, and means for immobilizing the disks of said stack in both its straight row, and spirally adjusted position.

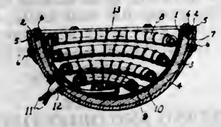
2,496,011
DOOR SWINGING AND LATCHING MECHANISM FOR GARMENT CYLINDERS
John J. Mikshel, Chicago, Ill., assignor to Kling Bros. Engineering Works, Chicago, Ill., a corporation of Illinois
Application August 21, 1944, Serial No. 550,407
9 Claims. (Cl. 68—144)



1. In a laundry machine, a frame, a garment cylinder supported for rotation on said frame and

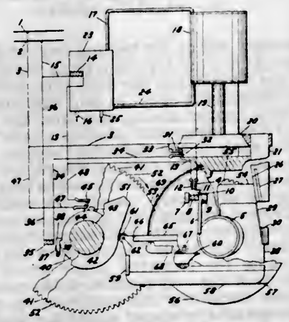
having an end opening, a door for said opening, door supporting means pivotally connected to said frame and including an arm projecting toward the center of the door, a bearing member pivotally supported on the end of said arm adjacent said door for pivotal movement on a vertical axis, a shaft journaled in said bearing member and having one end extending axially into the door and effecting a rotatable connection between said door and arm bearing, means on the other end of the shaft providing for manual rotation of the latter, latches for locking said door to said cylinder, and means connected between said shaft and latches and moved in response to partial rotation of said shaft for operating said latches.

2,496,012
ELECTRICAL HEATER AND METHOD OF MANUFACTURING IT
Glen H. Morey, Terre Haute, Ind.
Application July 5, 1946, Serial No. 681,558
1 Claim. (Cl. 219—43)



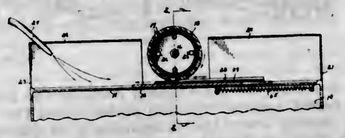
In a heating mantle, shaped to conform to an article to be heated, comprising a flexible inner fabric liner, an outer supporting layer, and insulating material therebetween, the improvement which comprises a flexibly insulated electrical resistance heating element, said element being arranged in spaced turns, and means for attaching said element to the inner periphery of the liner without interweaving the element in the fabric of the liner, the turns being arranged in such a manner that the article to be heated will rest directly on the element and be spaced away from said inner liner leaving a dead air space between the turns of the element, and the inner liner and the article.

2,496,013
PIERCING CUTOFF MACHINE
Hubert A. Myers, Toledo, Ohio, assignor to The Toledo Steel Tube Company, Toledo, Ohio, a corporation of Ohio
Application September 14, 1944, Serial No. 554,102
4 Claims. (Cl. 164—60)



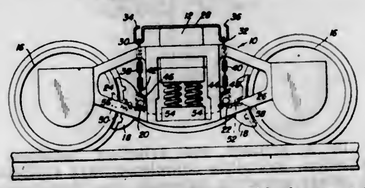
2. A single revolution cut off device to sever tubular stock, comprising, means to hold the stock stationary, a tool to pierce and cut said stock, a slidable tool holder, a rotatable means in which said slidable holder is slidably mounted, means to impart a thrust to said holder and tool to pierce said tubular stock, means to give a single rotation to the means which carries the slidable holder, said thrust means being located outside the orbit of rotation of said means that carries the slidable tool holder but engageable with said holder.

2,496,014
APPARATUS FOR FORMING THERMOPLASTIC MOLDS FOR USE IN ELECTROTYPING
Robert R. Myers, Des Moines, Iowa
Application May 11, 1946, Serial No. 669,091
3 Claims. (Cl. 18—4)



2. In a device of the class described, a supporting table, two spaced apart compartments on said table, a means for heating one of said compartments, a means for cooling the other said compartment, a bed slidably mounted on said supporting table and capable of being moved into either of said compartments, a cylindrical press rotatably mounted and on said supporting table, above said bed and between said two compartments, and a means for heating the inside of said cylindrical press.

2,496,015
SAFETY SUPPORT FOR BRAKE BEAMS
Anton M. Nelsen, North Platte, Nebr.
Application January 20, 1948, Serial No. 3,237
7 Claims. (Cl. 188—210)

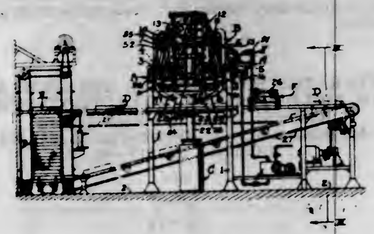


1. In a car truck including a side frame, a pair of spaced parallel brake beams, a pair of spaced brake beam braces disposed adjacent said brake beams, and a bolster beam interposed between said brake beams, a support plate carried by the bolster beam, hanger means carried by said support plate, means connecting said hanger means to the brake beams, and means carried by said connecting means and disposed beneath the brake beam braces for supporting said braces in case of failure of the main support thereof.

2,496,016
CONCRETE STAVE MAKING MACHINE
Paul D. Nelson, Turlock, Calif.
Application February 25, 1947, Serial No. 730,703
4 Claims. (Cl. 25—42)

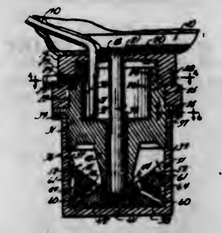
1. In a device of the type described, a mold having a top plate, and side plates, a pallet board constituting a lower plate of the mold, clamping and supporting means for holding the board against the side plates, said means including board gripping jaws, levers carrying the jaws at

one end, a second lever placed between the opposite ends of the first-named levers and rotatable about a fixed pivot, and links interconnecting the ends of the second lever with the adjacent ends of the first-named levers for causing the lat-



ter to swing the jaws into a position for holding the board against the side plates when the links and second lever are substantially in alignment with each other, whereby the second lever and links are arranged on a dead center line and will resist any tendency for the jaws to open.

2,496,017
GRINDER FOR MATERIAL IN SUSPENSION
Cameron B. Newell, St. Paul, and Earl R. Vincent, Minneapolis, Minn.
Application January 2[illegible]949, Serial No. 71,802
7 Claims. ([illegible]241—46)



6. In a grinder for grinding material in suspension, including complementary stationary and rotary grinding elements, the improvement comprising a fixed housing surrounding said elements and having a close fit therewith, said elements being formed with annular inner series of registrable ports and with annular outer series of registrable ports, both inner and outer series of ports being concentrically disposed relative to each other an dto said housing, said elements having adjacent complementary surfaces including shearing edges defining adjacent ends of said ports, and said ports of said rotary element being formed to provide impellers for circulating material to be ground in one direction through both inner series of ports and in the opposite direction through both outer series of ports.

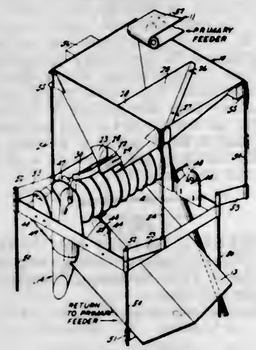
2,496,018
SHEAR
Oscar H. Pearson, Lake Villa, Ill.
Application December 13, 1945, Serial No. 634,761
2 Claims. (Cl. 164—44)

1. A shear for non-metallic sheet material comprising a relatively fixed body having laterally spaced parallel shearing edges, a shearing knife pivoted to said relatively fixed body for pivotal movements into and out of the space between the spaced shearing edges of the body, said shearing knife being of a width to work snugly between the spaced shearing edges of said body and having a blunt, serrated, arcuate cutting edge, said relatively fixed body comprising



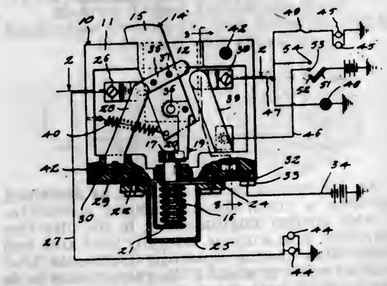
a pair of elongated horizontally disposed bars, means connecting said bars with portions thereof in parallel spaced relation in the provision of said shearing edges, a pair of supporting brackets anchored to adjacent ends of said bars by means providing the pivot for said knife, the opposite ends of said brackets being bent downwardly and laterally in the provision of supporting legs.

2,496,019
FRUIT FEEDING AND ORIENTING MACHINE
Wirt D. Peel, Oakland, Calif.
Application September 23, 1947, Serial No. 775,680
10 Claims. (Cl. 198—30)



1. Feeding means for feeding individual fruits, comprising: a screw having a pitch slightly in excess of the diameter of the individual fruits and a depth substantially equal to said diameter, and a superposed hopper discharging into the top side of said screw, means for admitting only a single fruit into each of the individual spaces between the threads, primary feeding means for feeding fruits to said hopper in slight excess over the acceptance of said screw, means for maintaining the individual fruits on the top side of said screw and traveling therewith, with excess fruits traveling on top of the single fruits and on the threads, and a chute for receiving single fruits as discharged from the end portion of the screw, and means for discarding the excess fruits previous to reaching said chute, and means for driving said screw; said screw having the end portion recessed back to the axis on one side for tipping the fruit into said chute for delivery in a position with the axis of the fruit substantially vertical.

2,496,020
AUTOMATIC CIRCUIT BREAKER AND CONTACTOR
Delmar E. Pepper, Austin, Minn., assignor of one-fourth to Hugh V. Plunkett and Hugh V. Plunkett, Jr., both of Austin, Minn.
Application March 10, 1947, Serial No. 733,589
4 Claims. (Cl. 200—124)



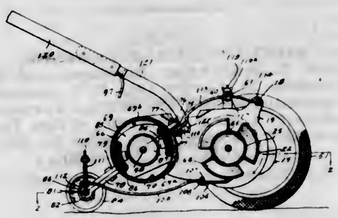
1. A circuit breaker comprising an insulating body having a slot formed therein, a lever pivotally mounted in said body intermediate the length thereof with one end thereof extending through said slot, a plug rotatable in said body, fusible means about said plug normally holding said plug against rotation, peripheral notches on said plug, a resilient arm extending from the other end of said lever and tangentially engaging in said notches, spring means for rocking said lever upon softening of said fusible means about said plug, a heater coiled about said plug, a contactor on said lever adjacent said one end thereof, spaced apart pairs of circuit contacts on opposite sides of said lever, said contactor engaging in the pair of contacts on one side of said lever in the normal position thereof for closing an electric circuit, said contactor engageable in the pair of contacts on the opposite side of said lever upon softening of said fusible means for breaking said circuit and closing a second circuit through said latter contacts.

2,496,021
VOLTAGE MULTIPLYING CIRCUITS, INCLUDING A SWITCH THEREFOR
Jess M. Reed, Inglewood, Calif.
Application July 21, 1947, Serial No. 762,253
5 Claims. (Cl. 171—97)



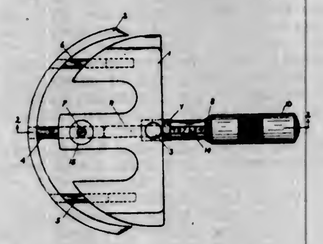
5. In a voltage multiplying circuit, a rotatable switch having a dielectric cylindrical base therein, a plural number of bands on said base, certain of said bands being continuous and certain others of said bands being grouped in pairs having a segmented portion and a remainder portion separated with respect to one another, a primary battery in circuit with a pair of said continuous bands, means electrically connecting one band of said pair of continuous bands with one band of each of said segments, means connecting the other band of said pair of continuous bands with the other and complementary band of a single segment, and means connecting one portion of each paired remainder band portion with the unconnected portion of each of said band segments, certain of the remainder portions of said pairs of bands being directly connected with one another and with one of said continuous bands, and another continuous band, said last mentioned band being directly connected to a remainder portion of one band of a pair of bands, and condensers, certain of said condensers being successively in additive series connection with a voltage source and with one another and across a remainder one thereof and being first placed across segmented portions and then across remainder portions of said bands in sequence with rotation of said switch, and another condenser, said last mentioned condenser being in circuit across all of said condensers and said battery upon completion of a single rotation of said switch, whereby said single condenser accumulates additively the electrical potential possessed by all individual condensers and said primary battery in series connection with one another.

2,496,022
ELECTRIC LAWN MOWER
John Remonte, Corsicana, Tex.
Application June 3, 1946, Serial No. 673,987
2 Claims. (Cl. 172—36)



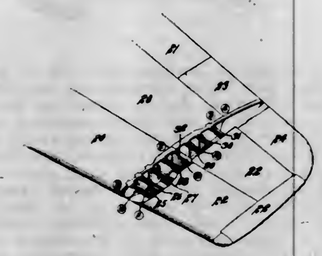
1. In an electric lawnmower, a pair of parallel extending side frame members, an inwardly extending cylindrical flange formed on the rear portion of each of said frame members, a pair of complementary semi-cylindrical motor housing members formed with rabbeted opposite ends adapted to engage within the inner ends of said cylindrical flanges, a pair of spaced apart circumferential grooves formed in the inner surface of each of said semi-cylindrical members, a pair of annular bearing plates adapted to engage in said grooves, a shaft journalled in said bearing plates, an armature on said shaft, a field winding in said housing members, pairs of rearwardly extending complementary clamping members formed on the rear confronting edges of said housing members, a shaft adapted to be clamped between said clamping members, an electrically conducting ground engaging roller rotatably mounted on each end of said clamped shaft, and means extending through said side frame members for maintaining engagement between said motor housing members and said side frame members whereby said rollers provide means for grounding said side frame members and motor housing.

2,496,023
STYLUS
Henry E. Schumacher, Davenport, Iowa, assignor of one-third to J. Clay Thompson and one-third to A. G. Bush, both of Davenport, Iowa
Application May 9, 1946, Serial No. 668,440
16 Claims. (Cl. 33—23)



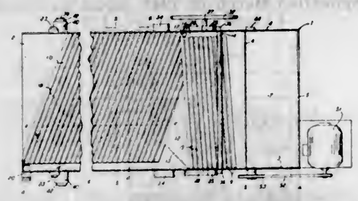
3. In a profiling machine, a stylus or tracer comprising a flat, semi-circular body, a stem with one end rigidly united to said body at a right angle thereto, parallel bores extending into the body from one edge thereof, transverse parallel rods slidingly mounted in said bore, an arcuate bar rigidly mounted upon the outer ends of the transverse rods substantially parallel to the arcuate face of the body, a set screw seated in the body arranged to bear against one of said transverse rods to secure the arcuate bar in adjusted position relative to the body.

2,496,024
AIRPLANE WING STRUCTURE
William T. Schwendler, Bethpage, and Oscar Erlandsen, Jr., Garden City, N. Y., assignors to Grumman Aircraft Engineering Corporation, Bethpage, N. Y., a corporation of New York
Application March 12, 1946, Serial No. 653,806
6 Claims. (Cl. 244—124)



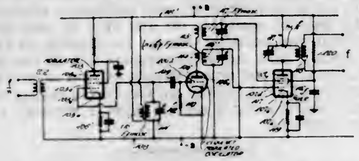
1. An aircraft wing comprising a main inboard section terminating in a chordwise rib forming an enclosure for the end thereof, a tip section, the said inboard and tip sections having aligned spanwise structural elements, a fastening plate attached to said rib and to spanwise structural elements of the said inboard section, and means joining spanwise structural elements of the two said sections together and to the said fastening plate, the said means being breakable under a wing load within the safe load for the other elements of the wing.

2,496,025
ORE CONCENTRATOR
Joseph Stephan, Phoenix, Ariz., assignor to The Stephan Corp., a corporation
Application March 12, 1949, Serial No. 81,078
8 Claims. (Cl. 209—441)



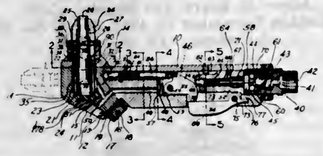
1. An ore concentrating machine as described, comprising a longitudinaly inclined concentration table divided longitudinally, in the direction of pulp flow, into a major, laterally level area and a minor area sloping upwardly from said level area at an angle of about 2° therefrom, said table being grooved over its operative surface with ejection grooves extending diagonally across said table at an angle of between about 10° and about 25° from its lateral axis, means for adjusting the elevation of the upper end of said table, and means for imparting to said table a rapid, longitudinal shaking motion.

2,496,026
FREQUENCY MULTIPLIER SYSTEM
George H. Taylor, Jr., Fort Lauderdale, Fla.
Application April 22, 1944, Serial No. 532,306
4 Claims. (Cl. 250—36)



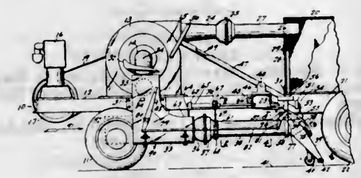
1. A frequency multiplier comprising a source of high frequency energy, a modulator including an electron tube having a cathode, inner grid, screen grid, control grid and anode electrodes, a circuit extending between said source and said control grid and cathode electrodes, an output circuit including said anode, screen grid and said cathode, a frequency modulated oscillator including a cathode, control grid, and anode, a tunable input circuit connected between said last mentioned control grid and said last mentioned cathode, an output circuit for said frequency modulated oscillator connected between the anode thereof and said last mentioned cathode, independent inductively coupled circuits connected in the output circuit of said frequency modulated oscillator, means for coupling the input and output circuits of said frequency modulated oscillator, connections between said last mentioned tunable input circuit and the inner grid and cathode of said modulator, a mixer tube including a cathode, inner grid, screen grid, control grid and an anode, a pair of input circuits connected between the control grid and cathode and the inner grid and cathode respectively of said mixer tube and coupled with the independent inductively coupled circuits in the output circuit of said frequency modulated oscillator, a tunable output circuit connected in series with the anode and cathode of said mixer tube, and means for predetermining the potential of each of said grid electrodes and energizing all of said cathodes and each of said output circuits.

2,496,027
PORTABLE TOOL WITH SWIVEL HEAD
Maurice Trapet, Los Angeles, Calif.
Application October 23, 1944, Serial No. 559,959
12 Claims. (Cl. 121—36)



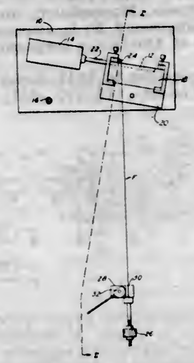
1. In a portable hand tool, the combination of an elongated base, an air channel traversing the interior of the base, an intake for said air channel, a swivel head connected to one end of the base, a pneumatic tool actuating mechanism positioned in said head, said mechanism including an air exhaust orifice, deflector means surrounding said orifice for directing flow of the exhaust air on a course in the direction of the working movement of said actuating mechanism, and channel means in said head communicating with said actuating mechanism and with the air channel located in the base.

2,496,028
VACUUM STREET CLEANER
Ira M. Wells, Oakland, Calif.
Application January 15, 1945, Serial No. 572,910
6 Claims. (Cl. 15—340)



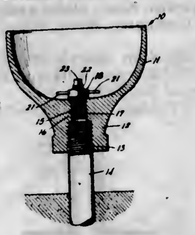
1. In a street cleaner including a vehicle and suction means and a nozzle; nozzle adjusting means comprising; a conduit extending normally parallel to the path of the vehicle and consisting of a fixed section connected to the suction means, and an adjustable section swivelly connected to said fixed section for universal adjustment of the adjustable section, and having the nozzle mounted on the end of the adjustable section; a nozzle control column having a horizontal pivotal support intermediate its length on said vehicle and having a steering wheel at its upper end and having connection at its lower end to the nozzle for vertical adjustments of the nozzle relative to a street surface; said steering wheel having a steering connection to said nozzle for lateral adjustments relative to a line of demarcation such as a curb; and a foot treadle having operative connections to said adjustable section for rotatably adjusting the section for angular adjustments of the nozzle relative to a street surface.

2,496,029
WIRE TESTER
Donald W. White, Jr., Flushing, N. Y., and Rolland M. Zabel, Melrose, Mass., assignors to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application July 31, 1946, Serial No. 687,492
15 Claims. (Cl. 73—93)



1. The method of revealing longitudinal fissures in wire having fissures extending only part way into the wire, which method comprises the steps of sharply stressing wire by bending it over a radius of the same order of magnitude as the wire diameter to propagate the fissures entirely through the wire thus dividing the wire into separate strands and elongating said strands unequally, and then subjecting the multi-strand wire to a straight tensile load sufficient to break the unequally elongated strands but insufficient to cause fissureless wire to fail in tension.

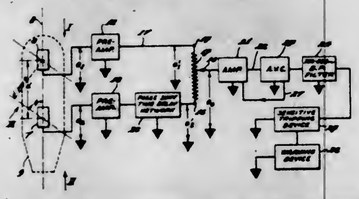
2,496,030
DRINKING FOUNT
Lloyd S. Winey, Lancaster, Pa.
Application February 18, 1946, Serial No. 648,467
1 Claim. (Cl. 119—72)



A drinking fountain comprising a bowl having a substantially hemispherical interior contour, an axially disposed internally screw-threaded socket on the bowl adapted to be connected to a water supply pipe, said bowl having an internally screw-threaded axial bore establishing communication with the interior of the socket, a bushing entering the bore from the interior of the bowl, diametrically opposed semi-circular water discharge nozzles carried by the bushing and lying in a plane substantially perpendicular to the axis of the bowl, a plug closing the end of the bushing which enters the bowl, said plug having an axial recess in its inner end and radial passages com-

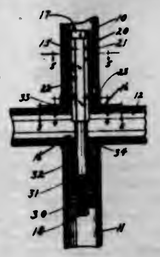
municating with said recess and means to turn the plug in the bushing to regulate the flow of water through the nozzles.

2,496,031
DUAL MICROPHONE SOUND DETECTOR SYSTEM
Leslie J. Andersen, Moorestown, and Alfred H. Kettler, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 30, 1947, Serial No. 794,740
7 Claims. (Cl. 177—352)



2. In a dual microphone sound detector system, the combination of a pair of microphones having substantially directional response characteristics, said microphones being mounted in predetermined spaced relation on a common axis, a signal mixing device connected between said microphones for jointly receiving signal output voltages therefrom, a low pass filter network in circuit between said mixing device and one of said microphones for adjusting the vectorial relation of said voltages to a predetermined value, a circuit for deriving the vector sum of said output voltages from said mixing device, a band pass filter in said circuit, and utilization means responsive to a predetermined output voltage connected with said last named circuit through said band pass filter for indicating the presence of sound waves applied to said microphones within the pass band of said filter.

2,496,032
CONNECTOR
Dwight E. Austin, Kent, Ohio, assignor to Samuel Moore & Company, Kent, Ohio, a corporation of Ohio
Original application March 26, 1945, Serial No. 584,977. Divided and this application October 9, 1946, Serial No. 702,121
7 Claims. (Cl. 287—54)



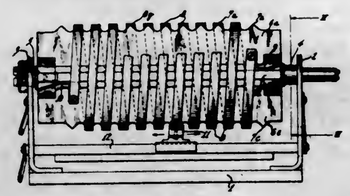
1. A device for effecting a joint between two tubular members which have their axes disposed at an angle to each other, said device comprising a resilient bushing disposed in one of the members, a bolt extending through the bushing and into the other member, a nut on the far side of at least a portion of the last-mentioned member and having threaded engagement with said bolt, and a collar embracing the bolt and disposed between the two tubular members, said collar operating when rotated to rotate the bolt with respect to said nut and to expand the bushing radially against the wall of said tube to effect a clamping action therewith.

2,496,033
WASHING DEVICE
James D. Berry, Los Angeles, Calif.
Application November 22, 1948, Serial No. 61,369
5 Claims. (Cl. 15—130)



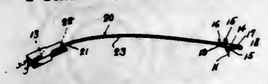
1. In a washer device for cleaning surfaces, the device comprising a head having a non-porous top element and a porous bottom element integrated together, the bottom element having a bottom rubbing surface and a top flat surface of material size, the top element having a bottom flat surface of material size which is coincident with the top flat surface of the bottom element, a recessed portion in the top element opening to the bottom element, a coupling means for making connection with a source of liquid, the coupling means being embedded in the top element above the recessed portion and having means for engaging masses of material of the top element so that they are secured together to prevent loosening under torque conditions, and means for conducting liquid from the coupling means into the recessed portion.

2,496,034
INDUCTOR
Felix C. Blancha, Manoa, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 5, 1946, Serial No. 639,463
3 Claims. (Cl. 171—242)



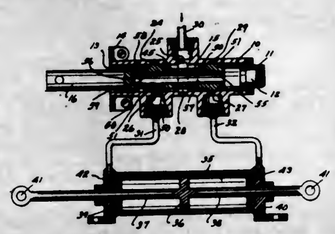
2. An inductor comprising a coil form including a core having a plurality of circumferentially spaced longitudinally extending insulating ribs thereon, each of said ribs having a plurality of longitudinally spaced beveled edges thereon with the beveled edges of each rib in the locus of a helix whose axis is the center of said core, and a space-wound ribbon-like conductor having a central complementary-shaped groove within which said beveled edges of said ribs are received along the path of said helix.

2,496,035
PHONOGRAPH PICKUP ARM
Lewis R. Brothers, North Hollywood, Calif.
Application April 9, 1947, Serial No. 740,369
1 Claim. (Cl. 179—100.41)



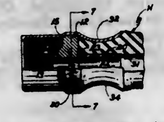
The combination with an arcuate pick-up arm for phonographs having a substantially cross-shaped pocket in its outer end communicating with an elongated substantially rectangular pocket in its inner end by an arcuate groove formed in the lower side thereof, a substantially cross-shaped stylus needle socket including a horizontal arm and forwardly extending staff, said horizontal arm having a threaded bore therein intersecting a smooth bore in said staff, a needle removably disposed in the smooth bore of the staff of the cross-shaped stylus needle socket, a thumb-screw threadedly disposed in the threaded bore of said horizontal arm and rigidly securing the needle to the staff of the cross-shaped stylus needle socket, a crystal secured in the aforesaid enlarged pocket at the inner end of the pick-up arm, an arcuate stylus rod connecting the crystal and the substantially cross-shaped stylus needle socket with its intermediate portion suspended in the arcuate groove of the pick-up arm, and a filler block secured over the substantially cross-shaped socket in the outer end of the pick-up arm and retaining the substantially cross-shaped stylus needle socket rigidly therein.

2,496,036
REVERSING VALVE
Niels A. Christensen, South Euclid, Ohio
Application August 21, 1944, Serial No. 550,368
1 Claim. (Cl. 251—76)



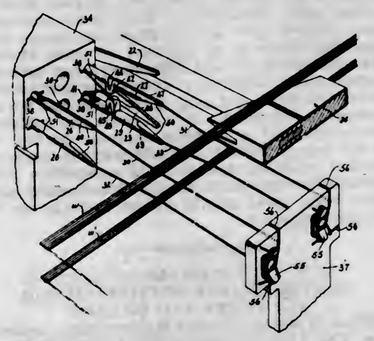
A reversing valve comprising a cylinder having one end thereof open and having a discharge port at the opposite end thereof and having at the side a supply and two delivery ports, the supply port being intermediate the delivery ports, a hollow piston slidably mounted in the cylinder having one end open in communication with said discharge port and the other end closed adjacent the open end of the cylinder, said piston having three lands thereon, two of the lands being adapted to be disposed opposite the respective delivery ports and a third land being disposed adjacent the open end of the cylinder when the valve is in closed position, said third land having at least one sealing ring thereon and each of the other lands having at least two spaced sealing rings thereon, said piston having a peripheral groove between the first and second lands, said groove being operable to establish communication between the supply port and either of the delivery ports to the exclusion of the other delivery port, a passageway through the wall of the piston between the sealing ring on the third land and the adjacent sealing ring on the second land, said passageway in a predetermined position of the piston being adapted to connect one of the delivery ports with the interior of the piston.

2,496,037
COMPOSITE HOSE END
Louis B. Courtot, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Original application May 10, 1947, Serial No. 747,196. Divided and this application June 11, 1948, Serial No. 32,468
3 Claims. (Cl. 285—84)



1. A coupling member comprising a tubular body member and an axially apertured insert member having axially extending flats about its periphery disposed in the body member, the perimeter of said insert at the flats being greater than the inner circumference of portions of said body member disposed to one side of said insert, the wall of said body member being about said flats being stretched and in pressure engagement with said flats to grip said insert in said body member, with the portion of said body member surrounding the flats on said insert configured like the periphery of said insert and providing a non-circular wrench-receiving surface.

2,496,038
WARP TYING MACHINE FOR OPERATING UPON LEASED WARPS
Charles B. Crandall, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application October 4, 1946, Serial No. 701,381
7 Claims. (Cl. 28—49)



6. In a warp tying machine having means for supporting a pair of leased warps in spaced parallel relation, and mechanism for selecting threads one at a time from each warp and presenting them to a tying means including a carriage having a standard, the combination of leasing means for positioning the threads of the two warps for operation thereon by said mechanism including two flexible lease elements and two non-rotatably mounted lease rods having

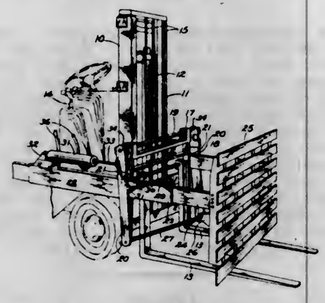
thread engaging surfaces grooved to receive said lease elements, said rods having portions providing oppositely opening recesses and apertured for the passage of lease elements transversely of the rods, said standard having holes for receiving the rods and the portions of the rods entered through the holes being grooved for the passage of the lease elements, the lease elements being disposed in crossed relation at a point between said recess forming portions of the rods and the standard so that the lease element for one rod passes through the hole in the standard for the other rod.

2,496,039

LOAD PUSHER FOR INDUSTRIAL TRUCKS

John T. Crawford, Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio

Application March 15, 1948, Serial No. 14,837
3 Claims. (Cl. 214—82)



1. In a lift truck embodying a mast having a vertically reciprocable carriage thereon and a load-supporting platform on said carriage, mechanism for ejecting a load from said platform comprising a pair of guide ways supported by the carriage, slides mounted thereon, rails mounted for sliding movement in said slides, a pusher plate attached to said rails, depending arms pivoted upon said carriage, secondary arms mounted thereon in parallel relation thereto, links intermediate said secondary arms and said pusher plate, secondary links intermediate said secondary arms and said slides, brackets on said guideways rearwardly of said mast and hydraulic piston cylinder assemblies mounted at one end to the brackets on said guide ways in generally parallel relation thereto, said assemblies being operatively connected to the first-named arms below their pivot points on the carriage for the actuation thereof.

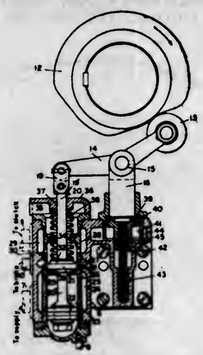
2,496,040

CONTROL VALVE MECHANISM FOR CLUTCHES AND BRAKES

William W. Criley, Shaker Heights, Ohio, assignor to The Ajax Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application February 15, 1943, Serial No. 475,903
21 Claims. (Cl. 192—144)

1. The combination with a machine having a fluid actuated clutch and brake in its driving train, with valve means for controlling operation of the clutch and brake actuating elements, and both manually actuated fluid power means and machine actuated mechanical means for operating said valve means; of fluid actuated means controlled by the operation of said valve means for determining the transmission of operating movement of said machine actuated means to said valve means.

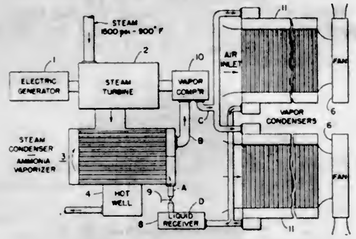


2,496,041

LOCOMOTIVE POWER PLANT

Paul S. Dickey, East Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application February 15, 1945, Serial No. 578,009
1 Claim. (Cl. 60—95)



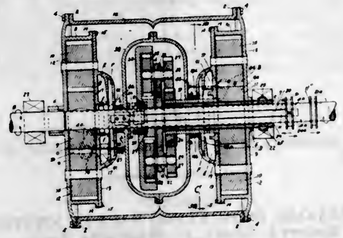
A turbo-electric railway locomotive comprising a steam generator having a combustion chamber, a steam turbine connected with said steam generator, a steam condenser arranged immediately adjacent said turbine and connected to receive exhaust steam therefrom, said condenser being arranged within the locomotive for protection from the exterior temperature conditions, a closed cycle volatile liquid refrigerant system comprising primary refrigerant condensing means subjected to temperature conditions at the exterior of the locomotive, secondary refrigerant condensing means disposed in the path of the draft supply to the combustion chamber for the steam generator, passage means connecting both said refrigerant condensing means in parallel with said steam condenser, a vapor compressor connected in said passage means at the intake side of said refrigerant condensing means, a liquid receiver connected in said passage means at the discharge side of said refrigerant condensing means, and an expansion valve arranged in said passage means between said liquid receiver and said steam condenser.

2,496,042

UNIVERSAL FLUID DRIVE AND CONTROL UNIT

Myron J. Dikeman, Grosse Pointe Woods, Mich.

Application January 5, 1949, Serial No. 69,350
8 Claims. (Cl. 74—718)



1. A universal fluid drive and control unit adapted for transmitting power from one rotatable unit to another as mounted in fixed support bearings, and used therewith, for controlling the direction of rotation and speed of the driven unit, comprising a closed cylindrical, fluid filled, power casing having a drive shaft and a driven shaft mounted at opposite ends thereof, concentric with the casing axis, the driven shaft being fixedly mounted to the casing end, and the drive shaft rotatably mounted therein and projected through the casing chamber, a drive fluid control unit and a reverse fluid control unit, each provided with driving mechanism, fixedly mounted in opposite casing ends concentric with the rotatably mounted drive shaft and operatively mounted thereon, said drive fluid control unit driving mechanism being operatively connected to said drive shaft, and rotatable thereby, and said reverse control unit driving mechanism being rotatably mounted over said drive shaft, reverse gear mechanism operatively mounted on said rotatably mounted drive shaft, positioned centrally between said two fluid control units and operatively connected to the reverse fluid control unit driving mechanism designed for rotating same in a direction opposite to the said rotatably mounted drive shaft rotations, ratchet casing means with port valve hubs for connecting said reverse gear mechanism to the said rotatably mounted drive shaft and for operating the reverse fluid control unit, an adjustable operating frame slidably mounted over one of said shafts and projected within the power casing chamber and connected to said ratchet casing means for controlling and operating the respective drive fluid control unit and reverse fluid control unit at will, for transmitting rotating power from said drive shaft and controlling the direction and speed of the power casing and fixedly attached driven shaft, and means for operatively adjusting said operating frame in either direction for engaging and operating the respective drive and reverse fluid control units.

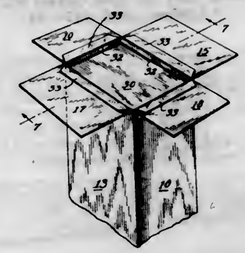
2,496,043

LEAKPROOF PACKAGE AND METHOD OF MAKING SAME

Robert A. Farrell, Menasha, Wis., assignor to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin

Application July 26, 1946, Serial No. 686,537
13 Claims. (Cl. 229—5.5)

1. A package comprising a polygonal tubular container having open ends, end flaps for closing said ends and a flexible closure membrane extending entirely across the ends of said container and sealed thereto, said membranes being depressed adjacent the open end of the said container and adhered to the inner wall portions



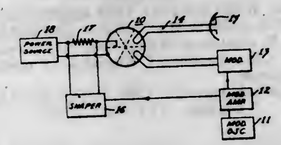
thereof adjacent the open ends thereof for providing a leakproof closure, and said end flaps being folded over said closure membranes.

2,496,044

FREQUENCY-MODULATED OSCILLATOR

George L. Fernsler, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 24, 1946, Serial No. 692,888
10 Claims. (Cl. 250—36)



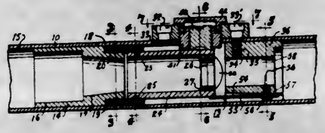
1. The method of maintaining the output of a frequency-modulated oscillator substantially constant throughout its frequency-modulation range which comprises the steps of deriving electrical impulses from the modulating frequency, shaping said impulses substantially to correspond with the shape of the power-output/frequency characteristic of the oscillator, and applying the shaped impulses to a supply source for the oscillator in timed relation to the frequency modulation to compensate for tendency of the output of the oscillator to vary with the modulation.

2,496,045

TELESCOPIC SIGHT

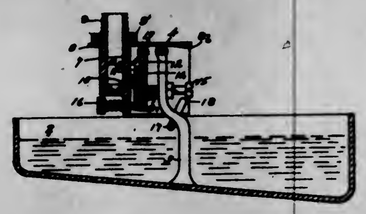
Thomas L. Ford, Tyler, Tex.

Application December 6, 1946, Serial No. 714,411
6 Claims. (Cl. 33—50)



1. A telescopic sight including, a barrel, a lens system in the barrel, a supporting element carried in the barrel, a tubular supporting section on the supporting element, a ring receiving the supporting section and pivotally mounted thereon, a tubular reticule support received within and pivotally mounted within the ring, and a reticule carried by the support.

2,496,046
POULTRY WATERING FOUNTAIN
Benjamin G. Gilbough, Ramona, Calif.
Application May 28, 1946, Serial No. 672,873
4 Claims. (Cl. 137—68)



1. A watering fountain including a bearing bracket and a pendulous, water bowl bodily, wholly supported by and having bearing pivots on the bracket and adapted to be upwardly tilted in one direction for bowl discharge, and means for preventing a direct-upward movement of the bowl as to the bracket and including a shiftable hold-down cap on the bracket and engageable by the said pivots when pressed upward.

2,496,047
ART OF RECORDING AND REPRODUCING TWO-SIDED MAGNETIC RECORDS
De Witt R. Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 18, 1947, Serial No. 755,331
2 Claims. (Cl. 179—100.2)



1. In combination, a telegraphone record comprising a non-metallic tape in the form of a closed loop containing a half-twist and having an adherent magnetizable surface layer on both of the major faces of said tape, a magnetic sound-head having a pair of parallelly arranged pole-pieces, and means for sequentially presenting said major faces of said tape to said parallelly arranged pole-pieces at an angle other than a right angle with respect to the axis of movement of said loop.

2,496,048
PISTON RING
August H. Heinrich, Euclid, Ohio, assignor to Auto-Diesel Piston Ring Company, Cleveland, Ohio, a corporation of Ohio
Application October 11, 1945, Serial No. 621,787
13 Claims. (Cl. 309—44)

1. A composite piston ring composed of two interlocking members each nearly completely annular but having a gap, each member extending through the other at the gap so that each member lies above the other in one region of the composite ring and below the other in the opposite region thereof, the adjacent surfaces of the two



ring members being inclined in opposite directions.

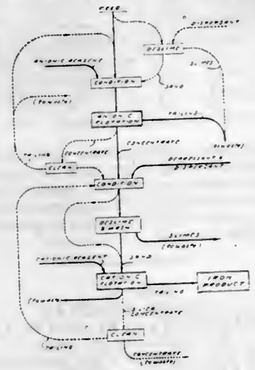
2,496,049
OVERLOAD INDICATING SAFETY SWITCH
Robert L. Henry, Jr., Knoxville, Tenn.
Application September 6, 1946, Serial No. 695,273
7 Claims. (Cl. 200—121)



1. A safety switch for the protection of electric circuits against overloads comprising a bi-metallic strip arranged under mechanical tension in the protected circuit a current supplying contact fixedly connected with said protected circuit and said strip, two contacts at opposite sides of said bi-metallic strip, one of said contacts being in operative contact with the said strip when under mechanical tension, the other contact coming into operative contact with the said strip when the latter is heated to a predetermined amount by an overload current, a connection of the former contact with the protected circuit, and an indicator glow lamp connected on one side with one of said two last named contacts and on the other side with the other contact.

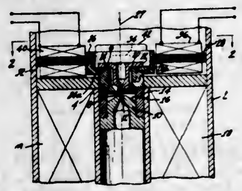
2,496,050
FROTH FLOTATION OF IRON ORES, INCLUDING USE OF ALKALI PHOSPHATE
Earl C. Herkenhoff, Longmont, Colo., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Original application June 10, 1944, Serial No. 539,691, now Patent No. 2,466,987, dated April 12, 1949. Divided and this application October 5, 1948, Serial No. 52,960
4 Claims. (Cl. 209—166)

1. A process of beneficiating oxidized-iron ores containing excessive amounts of acidic gangue which comprises the steps of forming an aqueous pulp of the ore of a size suitable for use as flotation feed; subjecting said pulp to froth flotation in the presence of an anionic-type promoter, selected from the group consisting of the higher aliphatic fatty acids, resin acids, naphthenic acids, talloel, sulfonates of such acids, sodium, potassium and ammonium soaps and emulsions thereof and sulfonated petroleum hydrocarbons of the oil-soluble water-dispersible mahogany acid and mahogany soap types and the water-soluble green acid and green soap types obtained in the acid treating in refining lubricating oils; collecting the resultant iron-minerals-rich froth concentrate; conditioning an aqueous pulp of the iron concentrate with (*a*) a material, selected from the group consisting of the alkali and alkaline-earth metal hydroxides and carbonates, in amount sufficient to overcome the tendency of the iron minerals as activated by the anionic promoter to float and to maintain an alkaline pH; and (*b*) a water-soluble alkali phosphate as a surface-modifying agent, in sufficient



amount to prevent flotation of oxidized-iron minerals in the presence of a cationic-type promoter for acidic gangue; subjecting the conditioned concentrate to froth flotation in the presence of a cationic-type promoter, selected from the group consisting of the long-chain aliphatic amines containing 12–18 carbon atoms, quaternary "onium" compounds, and the polyalkylene-polyamine-reaction-products type, used in amount sufficient to remove the excess acidic gangue and collecting the tailing which is rich in iron and low in gangue.

2,496,051
POSITIONING THE SPECIMEN STAGE OF OPTICAL APPARATUS
James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1948, Serial No. 23,833
7 Claims. (Cl. 250—49.5)



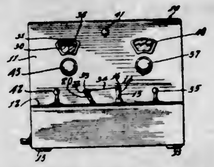
1. In an optical apparatus which includes a specimen stage, means for mounting said stage and means for positioning said stage, a support member having a smooth upper surface, means for slidably mounting said stage upon said surface, and means for moving said stage in any desired direction across said surface, said moving means comprising means for vibrating said member and said stage such that movement of said stage may be accomplished in any two desired orthogonal directions in the plane of said surface simultaneously.

2,496,052
SEAM FOR WOVEN WIRE FABRIC
Alfred G. Hose, Lakewood, and Donald C. Dilley, Shaker Heights, Ohio, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio, a corporation of Ohio
Application March 11, 1948, Serial No. 14,364
4 Claims. (Cl. 139—425)



1. A woven wire belt for a Fourdrinier machine having warp wires of bronze connected at their adjacent ends by an alloy of gold.

2,496,053
TENSION TEST DEVICE FOR HUMAN HAIR
John E. Hope, San Bernardino, Calif.
Application December 23, 1946, Serial No. 717,887
3 Claims. (Cl. 73—95)

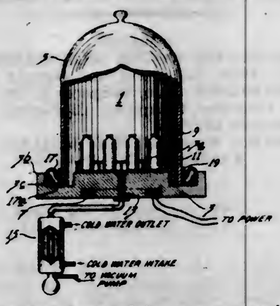


1. A tension testing device for a human hair or the like, comprising the combination of walls forming a housing, one of the walls having an opening and a slot therein, a primary terminal projecting through the opening and having a cylindrical surface, means supporting said primary terminal on the housing for rotation about the axis of said cylindrical surface, selectively operable power means within the housing for rotating the primary terminal, a secondary terminal pivotally mounted for angular movement toward and away from the primary terminal and projecting through said slot, resilient means within the housing opposing pivotal movement of the secondary terminal toward the primary terminal, means operably connected to the secondary terminal adapted to provide a visual indication of the angular movement thereof, and means near the exposed end of each terminal for securing a hair thereto.

2,496,054
BELL-JAR VACUUM EVAPORATOR
Cyril N. Hoyler, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 27, 1945, Serial No. 607,410
4 Claims. (Cl. 159—29)

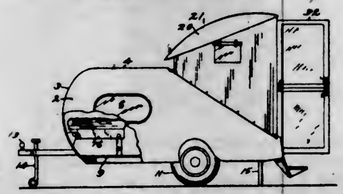
1. Apparatus for the dehydration of materials comprising a base provided with an inner surface, means for heating said surface, a closure element having an inner surface normally exposed to the vapors from said material and upon which said vapors may condense in the absence of heat, said closure element being adapted to be moved into direct heat exchange relation with said heated surface whereby to heat said closure element and thereby prevent the condensation of said vapors thereon, a compressible gasket containing en-

trapped air supported exterior of the periphery of said closure element, and means on said closure element responsive to said movement of said



closure element for applying a compression force to said gasket whereby to establish an air-tight seal about said surfaces.

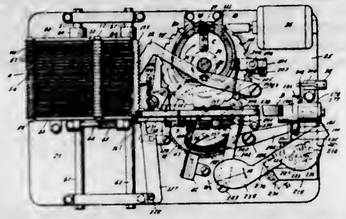
2,496,055
HOUSEKEEPING, TURTLEBACK TRAILER
Walter R. King, Torrance, Calif.
Application July 5, 1946, Serial No. 681,504
3 Claims. (Cl. 296—23)



1. A turtle-back, trailer car structure comprising a wheeled body having a coplanar floor with side walls and a forward end wall, a roof fixed to the said side and end walls and which covers sufficient of the forward portion to form a sleeping room section in the trailer of less than adult-standing height, a support, in the front portion of said section, for a bed extending lengthwise between the said side walls, a hood hingedly connected at its front end to and on an axis along the adjacent rear end structure of the fixed roof, the hood being adjustable upward to form an adult-standing and living room space rearward of the fixed roof section; the side walls having their top edges sloped downward from the fixed roof and said hood being generally of conformative structure therewith whereby to constitute, when in lowered position, a closure on the side walls and tilting down from the top plane of the said roof, and rear end closure means for the space below the raised hood and including a folding door frame hinged to the rear portion of the floor.

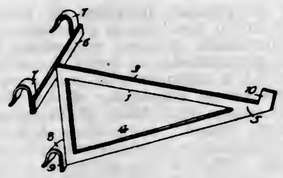
2,496,056
MULTIPLE DISK PHONOGRAPH
Paul U. Lannerd, Indianapolis, Ind.
Application February 8, 1946, Serial No. 646,451
15 Claims. (Cl. 274—10)

1. In an automatic phonograph, a record receiver swingable about a generally horizontal axis toward and away from a record-receiving position; said receiver comprising a record support, a turntable support, and a turntable rotatably mounted on said turntable support, said turntable support and record support being relatively movable to transfer a record from the record support to the turntable, the axis of said turntable lying in a plane perpendicular to the horizontal axis about which the record receiver is swingable; means for swinging said receiver about its axis,



said two supports moving as a unit during a portion of the swinging movement of said receiver; and means operative during another portion of the swinging movement of said receiver for causing relative, record-transferring movement of said two supports.

2,496,057
LADDER BRACKET
Charles S. Lombard and Bernard W. Lombard, North Baltimore, Ohio
Application September 11, 1947, Serial No. 773,326
3 Claims. (Cl. 248—238)

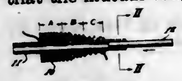


1. A bracket for attachment to ladders to function as a scaffold support comprising an open frame of the form of an isosceles triangle in which the angle between the base and a leg determines the acute angle which the supporting ladder is to form with a horizontal line, so that, when the bracket is attached, the ladder may be given the inclination necessary to bring the appropriate leg of the bracket into horizontality, that portion of the frame constituting the base of the triangle being of sufficient length to span at least two adjacent rungs of the ladder, and rung grips carried by said base whereby the bracket may be attached to the front face of the ladder in the same manner as to the rear face when one or the other of said legs will assume horizontality depending on the face to which the bracket is attached.

2,496,058
PERMEABILITY TUNER
Donald Mackey, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 22, 1948, Serial No. 28,677
9 Claims. (Cl. 250—40)

1. In a superheterodyne radio receiver, a signal frequency circuit including a first inductance coil, an oscillator tank circuit including a second inductance coil, said first coil being wound with a multilayer winding of variable pitch, said second coil being wound with a single layer winding of variable pitch and having the same inner

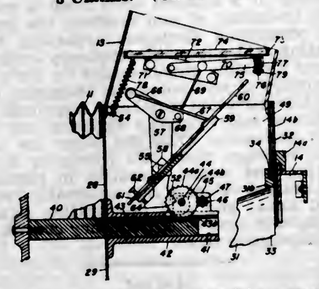
diameter as said multilayer winding, a first paramagnetic core for said first coil, and a second paramagnetic core for said second coil, said cores having different cross sections designed in such a manner that the mutual coupling between said





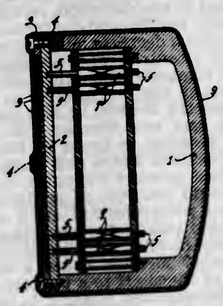
first core and said first coil is larger than that between said second core and said second coil to provide tracking of said circuits when said cores are moved in unison relatively to their associated coils.

2,496,059
TWIN LENS REFLEX CAMERA
John H. McIlroy, San Diego, Calif., assignor to Macvan Manufacturing Company, San Diego, Calif., a corporation of California
Application September 7, 1948, Serial No. 48,001
3 Claims. (Cl. 95—44)



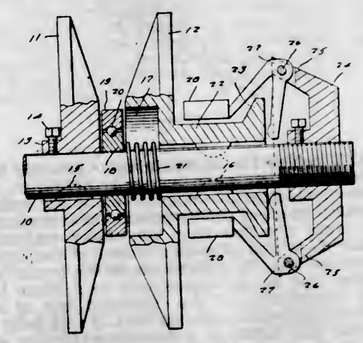
1. In a twin lens photographic camera, the combination of finder and exposure lenses secured to a mounting in fixed parallel relation; focussing rods slidably mounted upon and extending through the front wall of the camera and into the hollow thereof, the outer ends of said rods being connected with said mounting and carrying the same thereon, and each of said rods having a rack secured thereto; a manually rotatable shaft extending between and mounted upon the side walls of said camera; a cam and gear train engaging with said racks and operatively connected with said shaft; a mirror pivotally mounted within said camera; a cam follower secured to and adapted to turn said mirror upon its mounting and located to be actuated by said cam, said mirror being positioned to receive the light rays from said finder lens with the pivotal axis of said mirror at right angles to the axis of said lens; a hood opening into the top of said camera, and a flat viewing screen mounted within said hood to move in an arcuate path therein; the center of curvature of said path being coincident with the pivotal axis of said mirror; and link and lever means mounted within said camera and connecting said mirror and screen and coordinating the relative movement thereof so that the said screen will always turn through an angle twice as great as that turned by said mirror; said link and lever means cooperating with said lenses and operating mechanism to reproduce upon said screen without parallax the same view as that cast by the exposure lens upon the sensitised film or plate of the camera.

2,496,060
SUBMARINE SIGNALING DEVICE COVERED WITH WATERPROOF VIBRATION DAMPING SHIELD
Clifford W. Mell and Edwin C. Ballentine, Moorestown, N. J., and James V. O'Neill, Willow Grove, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application August 29, 1944, Serial No. 551,746
6 Claims. (Cl. 181—0.5)



1. An electroacoustical transducer including a casing and a vibratile diaphragm carried thereby, said casing and diaphragm both being subject to attack by the elements and said casing being normally also subject to slight vibration, and a protective coating on and totally enclosing said casing and diaphragm, said coating including a synthetic rubber-like material capable of withstanding the elements and having the characteristic of being wetted relatively easily, and at least an inner portion of said coating on said casing being cellular whereby it is adapted to attenuate the vibrations of said casing.

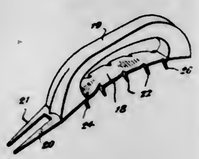
2,496,061
VARIABLE-SPEED CLUTCH PULLEY
Charles H. Miner, Denver, Colo.
Application July 19, 1946, Serial No. 684,940
1 Claim. (Cl. 74—230.17)



A V-type pulley for automatically varying the effective pitch diameter in response to its changes in speed of rotation and for automatically disconnecting a driving connection with a V-belt when the pulley rotates below a predetermined speed, comprising; a rotatable shaft, a pair of

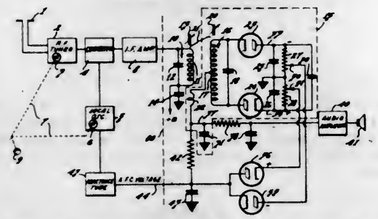
axially aligned members drivingly mounted thereon and relatively movable axially and having juxtaposed frustoconical faces for receiving a V-belt therebetween, the width of the faces in a radial direction being substantially in excess of the thickness of the belt to provide for an appreciable change of effective pitch diameter, an idler pulley rotatably mounted on said shaft and disposed axially between the members, one of said members being constructed so that it may telescope over the idler pulley during axial movement thereof in one direction, resilient means for automatically moving said one member away from the other during decrease in the speed of rotation of the shaft, a centrifugal device mounted on said shaft and rotatable therewith and adapted to exert a force on said one member in opposition to the force exerted thereon by said resilient means for moving said one member toward the other during an increase in speed of rotation of the shaft, the resilient means and centrifugal device being adapted to exert balancing opposed forces to position said members in predetermined relationship at a predetermined speed of rotation of the shaft, said resilient means being adapted to move said one member a sufficient distance away from the other member below a certain speed of rotation of the shaft to a position wherein the belt is in disconnected relation to said members and resting on said idler pulley, the centrifugal device being adapted to move said one member closer to the other at a shaft speed above a certain speed to engage said members with said belt, move it still closer to the other member to disengage the belt from the idler pulley with further increase in shaft speed, and move said one member still closer to the other to provide various effective pitch diameters of the pulley upon still further increase in shaft speed.

2,496,062
MEAT HOLDER
Eugene S. Morfesi, Flushing, N. Y.
Application March 15, 1947, Serial No. 734,986
5 Claims. (Cl. 7—14)



3. A holder for maintaining a product in a definite position when engaged therewith, said holder including an elongated one-piece body, a plurality of short stubby prongs all extending in the same direction from the under surface of said body, a tine extending from one end of said elongated body in a direction of the longer axis thereof and being substantially in a plane that is a continuation of the elongated axis of said body, and a handle forming part of said body for placing said holder in pressure engagement with the product so as to have some of said prongs and part of said tine engage said product in at least two separated positions to prevent twisting of the product, said holder thereafter being raised from said product and using said tine to engage and move a cut portion of said product from one position to another.

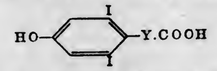
2,496,063
AUTOMATIC TUNING CIRCUIT FOR RADIO RECEIVERS
Frank Mural, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 23, 1948, Serial No. 40,263
17 Claims. (Cl. 250—40)



1. In a modulated carrier wave receiver of the type comprising an automatic frequency control circuit for developing an automatic frequency control signal of a polarity and magnitude representative of the frequency deviation of the mean frequency of a selected wave from a predetermined frequency of said receiver, the improvement comprising electronic apparatus for deactivating said automatic frequency control circuit and including circuit means for deriving independently of said automatic frequency control signal a deactivation signal of a magnitude representative of said frequency deviation, one of said signals decreasing while the other one of said signals increases when said frequency deviation increases, and means operative in response to predetermined values of said automatic frequency control signal and said deactivation signal for reducing said automatic frequency control signal to an inoperative value.

2,496,064
CERTAIN IODINATED HYDROXYPHENYL CYCLOALKYL CARBOXYLIC ACIDS
Samuel Natelson and Benjamin Kramer, Brooklyn, N. Y., and Ralph Tekel, Chicago, Ill., assignors to The Jewish Hospital of Brooklyn Research Foundation, Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application February 9, 1949, Serial No. 75,484
6 Claims. (Cl. 260—520)

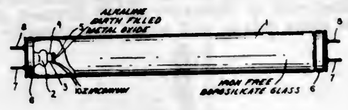
1. Compounds having the general formula



wherein Y is a divalent saturated hydrocarbon group of from 5 to 10 carbon atoms containing an alicyclic structure embodying the radical of a member selected from the class consisting of cyclo pentane and cyclo hexane constituting a bridge between the carboxyl radical and the benzene nucleus and wherein the alicyclic nucleus forms a part of said bridge.

2,496,065
ELECTRIC DISCHARGE LAMP
Francis T. O'Hearn, Lowell, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application January 16, 1948, Serial No. 2,632
2 Claims. (Cl. 176—122)

1. An electric gaseous discharge device comprising an envelope, a gas filling therein, a pair of electrodes therein, a coating of an oxide of an alkaline earth metal on each of said electrodes, and a pair of zirconium metal auxiliary electrodes, each of said auxiliary electrodes being spaced from one of said coated electrodes but in close proximity thereto and connected to one end thereof.



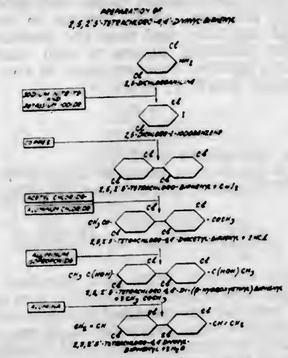
2,496,066
DEVICE FOR CURLING HAIR FOR PERMANENT WAVES
Dorothy B. Peterson, Seattle, Wash.
Application August 2, 1948, Serial No. 42,038
2 Claims. (Cl. 132—42)



1. A device for shaping hair for curls and permanent waves, including, a relatively thin elongated plate for disposition over hair upon heads of individuals, a round bodied post extended vertically from and adjacent to the center of the plate and at right angles thereto for supporting coils of hair thereover, the ends of the plate being relatively wider than the middle portion adjacent to the post to facilitate guiding strands of hair centrally toward the post, said ends being provided with holes therethrough for normally retaining opposite ends of a binding band and being further provided with slots extending from the holes outward to the tips of the plate for facilitating removal of such respective extremities of the band from the plate, together with an elastic band removably associated with the holes for binding over coils of hair on the post for maintaining the same in such coiled position predetermined periods for establishing curls for permanent waves in the hair.

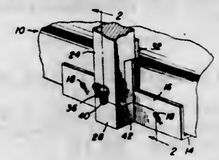
2,496,067
BIPHENYL DERIVATIVES AND METHOD OF PREPARING THEM
Fritz Rosenthal, Crescent Park, Borough of Bellmawr, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1945, Serial No. 632,083
16 Claims. (Cl. 260—618)

1. The method of preparing 2,5,2'5'-tetrahalogeno-4,4'-divinyl-biphenyl comprising reacting 2,5,2'5'-tetrahalogeno-biphenyl with acetyl chloride in the presence of aluminum chloride to form 2,5,2'5'-tetrahalogeno-4,4'-diacetyl-biphenyl, reacting said 2,5,2'5'-tetrahalogeno-4,4'-diacetyl-biphenyl with aluminum isopropoxide to form 2,5,2'5'-tetrahalogeno-4.4'-di-(β-hydroxyethyl)-biphenyl, and reacting said 2,5,2'5'-tetrahalogeno-4,4'-di-(β-hydroxyethyl)-biphenyl in the



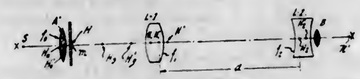
presence of a dehydrating agent to form 2,5,2'5'-tetrahalogeno-4,4'-divinyl-biphenyl.

2,496,068
BED GUARD
Valentine W. Rutkowski, Rockville Centre, N. Y.
Application April 13, 1949, Serial No. 87,282
3 Claims. (Cl. 5—331)



1. In a bed guard having uprights and horizontal members connected to and between the uprights, means for mounting each upright comprising an elongated angle plate securable on the side of a bed and having a vertical flange, a recess in the lower end portion of the upright and on the side thereof adjacent said angle plate, a flat plate rigidly secured to an intermediate portion of the upright and extending downwardly over said recess, a replaceable spacer block within said recess, and means for clamping said block and a part of said vertical flange in said recess so as to support the upright.

2,496,069
VARIABLE LENGTH OPTICAL SYSTEM WITHOUT CHANGE OF MAGNIFICATION
Lawrence T. Sachtleben, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1948, Serial No. 35,995
4 Claims. (Cl. 88—57)



1. A two stage relay optical system comprising an object point, a first positive lens, a diaphragm plate having an aperture therein, a second objective positive lens spaced from said first positive lens at the image point of said object point by said first positive lens, a lens combination

comprising a positive lens and a negative lens positioned between said first and second positive lenses, said combination being characterized in that one principal plane thereof is coincident with said aperture, and that the distance S between the principal planes of said lens combination is a positive number equal to the fraction of the focal length f, which is

$$\frac{-n^2 f}{1+K-n}$$

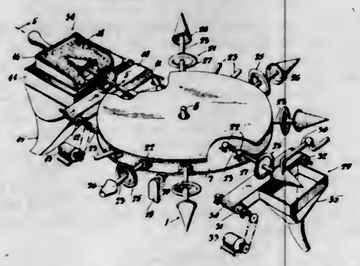
with the limitations that
when f is positive, n must be $>(1+K)$,
when f is negative, n must be $<(1+K)$,

and

$$\frac{nKf}{1-K-n} \leq 1, \text{ also } -\frac{nKf}{1+K-n} < S$$

where the distance from said aperture to the nearest point to said second positive lens at which another lens can be mounted is taken as a unit distance and where, expressed in terms relative to said unit distance, f is the focal length of the lens in said lens combination nearest said aperture, n is the ratio of the distance between the two lenses of said lens combination to the focal length of the lens in said lens combination nearest said aperture, nf is the distance between the lenses of said lens combination, where K is the ratio of the focal length of the lens of said lens combination farthest from said aperture to the focal length of the lens of said combination nearest said aperture, and Kf is the focal length of the lens in said lens combination farthest from said aperture.

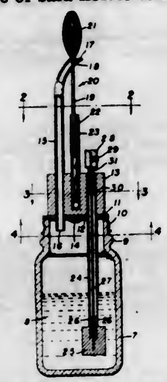
2,496,070
METHOD OF MAKING FLOCK COATED ARTICLES
Albert Selsky, Brooklyn, N. Y.
Application December 31, 1946, Serial No. 719,352
3 Claims. (Cl. 117—33)



1. The method of forming a lustrous coated finish on the outer surface of an article which comprises providing a tacky adhesive on the area of said article to be coated, supporting said article on a rotatable member, contacting the article with a mass of flock, and rotating said member and said article at a relatively rapid rate while in said contact whereby flock is picked up and the majority thereof is oriented and substantially aligned and retained in said orientation and alignment on said surface.

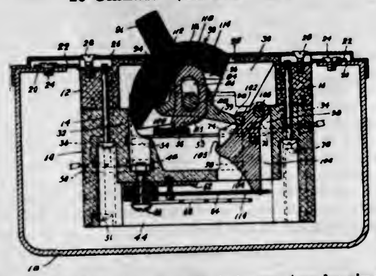
2,496,071
BABY OILER
Donald E. Sullivan, Coatesville, Pa.
Application April 28, 1947, Serial No. 744,434
3 Claims. (Cl. 128—269)

1. A baby oiler of the class described comprising a container, closure means for the container, said closure means being provided with an elongated pouring spout, the outer end of said spout terminating in a discharge nozzle, said nozzle being apertured, said aperture being adapted to accommodate an insertible and removable swab equipped stick, said closure means being further provided with an elongated socket disposed close to and along side of said nozzle to removably re-



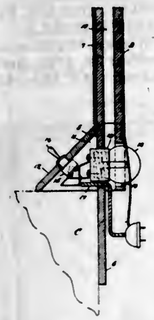
ceive the stick of the swab, said socket being provided with a friction retaining spring for said stick, said closure means provided, in addition, with a bore, a venting tube fitting into said bore and opening into the atmosphere at one end and having its opposite end extending into the container and terminating adjacent the bottom of the container.

2,496,072
CIRCUIT BREAKER
Elmer H. Taylor, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application May 27, 1947, Serial No. 750,759
19 Claims. (Cl. 200—116)



1. In an electric circuit interrupter having a movable contact, an actuator for said contact, means mounting the actuator for movements of translation and for rotational movements, means biasing the actuator for movement of translation in one direction and also biasing it for rotational movement in one direction, means manually operable to one position for moving the actuator with motion of translation in opposition to the first mentioned bias and manually operable to another position for effecting a movement of the actuator with motion of translation in the direction of the first mentioned bias, and automatically responsive means for effecting a rotational movement of the actuator in the direction of its rotational bias.

2,496,073
SHIELDED SERVICE SIGNAL FOR COUNTERS
Kenneth S. Trenholm, San Diego, Calif., assignor of five per cent to Lynold L. Claydon, San Diego, Calif.
Application December 17, 1947, Serial No. 792,221
2 Claims. (Cl. 177—329)



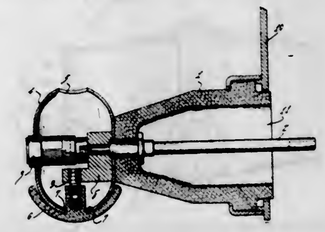
1. A service signal installation for a counter including a flat supporting panel adapted to be mounted against the back of a counter, a switch panel forwardly extended therefrom and overlying a portion of the top of the counter, a switch mounted in the switch panel in position for actuation by a customer, a flat rear panel having an aperture secured to and spaced from the front panel, and a signal device in circuit with the switch, mounted in the supporting panel and rearwardly extended therefrom partway through the aperture of the rear panel so as to be shielded thereby.

2,496,074
PROCESS FOR DEOXIDIZING IRON AND STEEL
James C. Vignos, Canton, Ohio, assignor to Ohio Ferro Alloys Corporation, Canton, Ohio, a corporation of Ohio
No Drawing. Application June 27, 1946, Serial No. 679,865
2 Claims. (Cl. 75—58)

1. In the manufacture of iron and steel, the method of blocking the heat when it has reached the desired carbon content, which consists in coating one inch and larger lump dense 50% ferro-silicon with the film of a wetting agent which will allow the lump ferro-silicon to become wet by molten slag, and adding the coated lump ferro-silicon to the furnace bath, whereby the lump ferro-silicon immediately becomes wet by the slag and sinks through the slag and immediately goes into solution at the inter-face between slag and metal, in an amount sufficient to effectively deoxidize the upper layer of the metal and the lower layer of the slag in the region of the interface.

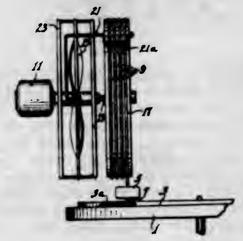
2,496,075
HIGH-VOLTAGE INSULATOR TERMINAL
Sidney Wald, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1946, Serial No. 650,709
5 Claims. (Cl. 174—31)

1. A high voltage insulator terminal comprising an insulating base member surrounding an electrical conductor, a binding post surmounting said base member and connected to said conductor, a smoothly curved metal shield enclosing said binding post, an insulating cap at least par-



tially covering said shield and means entirely within said shield for securing said cap against said shield.

2,496,076
PHONOGRAPHIC THREAD REMOVER
Herbert J. Webb, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1944, Serial No. 546,807
8 Claims. (Cl. 274—47)

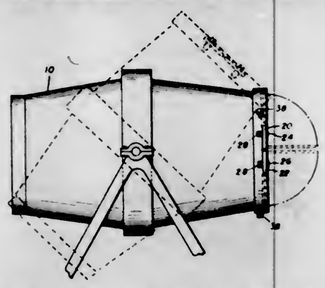


1. A thread remover for phonographic recording apparatus comprising, in combination, a driving device including a rotary blade impeller for setting up a fluid stream, a rotatable drum associated with said driving means around which the thread may be wound, means carried by said driving device in proximity to said drum for guiding said thread to said drum, said drum having vane means disposed in the path of said stream whereby to be driven thereby, and said fluid stream constituting a slip coupling between said driving device and said drum, and means on said drum for anchoring the leading end of said thread thereto.

2,496,077
REVOLVING CEMENT MIXER SCREEN
Albert Wehner, Harbor Beach, Mich.
Application February 10, 1947, Serial No. 727,633
5 Claims. (Cl. 259—145)

1. An aggregate sifting closure for a rotary mixing chamber comprising an annular collar, shafts projecting therethrough, latch rods on said shafts, latch keepers secured exterior of said collar adjacent said latch rods, screens secured

to said shafts adapted to selectively open and close the bore of said collar, adjustable securing



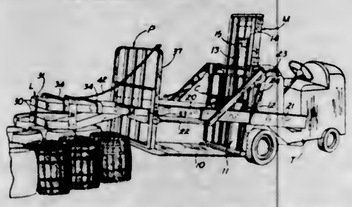
means secured to said collar for attaching said hopper to a cement mixing rotary chamber.

2,496,078
METHOD OF MAKING SAGGERS
Chandler Wentworth, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application May 10, 1945, Serial No. 593,071. Divided and this application September 18, 1947, Serial No. 774,823
1 Claim. (Cl. 25—156)



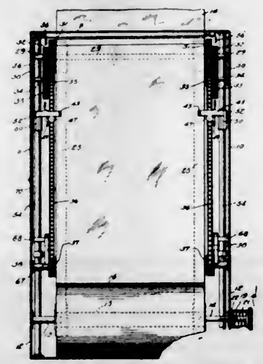
The method of making saggars with substantially smooth surfaces including the steps of preparing a rough saggar of a mixture of 15% to 20% of a titanate, and 85% to 80% of zirconium oxide both by weight, firing said rough saggar at a high temperature in an oven, cooling said rough saggar in said oven, preparing a good saggar of a similar mixture as said rough saggar, firing said good saggar upon said rough sagar at a high temperature in an oven, and cooling said good saggar within said oven.

2,496,079
KEG PULLER LOADING DEVICE FOR INDUSTRIAL TRUCKS
Daniel Wessman, Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 19, 1948, Serial No. 9,471
9 Claims. (Cl. 214—65)



1. In an industrial truck, load-carrying platform means, a pusher mounted for reciprocative movement thereover, mechanism for drawing a load upon said platform comprising a laterally thin, vertically rigid loop mounted on the pusher, said loop being rigidly suspended from and in spaced parallel relation with the platform, said loop being formed to envelop a load disposed beyond the forward end of the platform and to confine the load upon the platform during reciprocative movement of the pusher.

2,496,080
SHEET DISPENSING DEVICE FOR CARBON PAPER ROLLS
Bertram H. Wimer, Washington, D. C.
Application September 26, 1945, Serial No. 618,699
11 Claims. (Cl. 164—42)



1. A device for dispensing sheets from rolls comprising a casing having a discharge aperture, a supply roll, a material conveyor between said roll and aperture, an actuator manually movable bodily in the casing, a member on said actuator engageable with a conveyor element to operate the same, means to disconnect said actuator and conveyor at a predetermined point, material severing means adjacent said discharge aperture, and an operating connection between said actuator and the severing means.

2,496,081
UMBILICAL HERNIA PAD
Paul Ambrose, Bridgeport, Conn.
Application July 30, 1948, Serial No. 41,614
5 Claims. (Cl. 128—115)

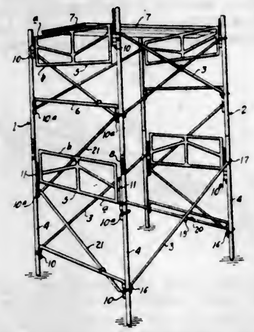


1. An umbilical pad comprising a generally flat, circular button-like body having a central protuberant portion on one side, and having a pair of straight shallow, wide grooves on its other side, said grooves extending straight across the pad and being wide enough to receive strips of adhesive tape whereby the pad may be applied and secured to the human body over the umbilicus.

2,496,082
SCAFFOLD STRUCTURE
William Ashenfelter, Swanton, Ohio
Application May 24, 1947, Serial No. 750,235
5 Claims. (Cl. 304—2)

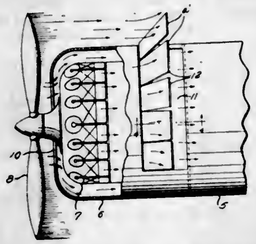
1. In a scaffold structure of the class described, an end frame including a pair of laterally spaced corner posts each having a lug on a side thereof

in the same spaced relation to its ends, a cross-frame having vertically spaced horizontal edge portions and at each end a lug nearer to one horizontal edge than the other, said post lugs having supporting engagement with the lugs at



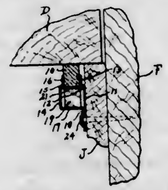
the respective ends of the cross-frame, with either horizontal edge of the latter uppermost, and means releasably interengaging the post and frame lugs which are in supporting engagement to retain them in assembled relation.

2,496,083
AIRCRAFT CONTROL
Jack V. Browning, Albuquerque, N. Mex.
Application January 15, 1946, Serial No. 641,314
1 Claim. (Cl. 244—113)



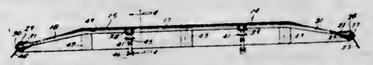
In combination with an airplane fuselage having a hollow nose defining a confined space, said nose having a central front air inlet and including a rear cowl portion having similar circumferentially elongated air exit openings at least in opposite sides of the upper portion thereof, a tractor propeller operating in front of said nose and delivering air rearwardly into said central front air inlet and rearwardly about the nose, a plurality of braking and closure flaps for each air exit opening, said flaps being hinged at their front edges to the nose at the front edges of the air exit openings to open outwardly and forwardly from and to close rearwardly and inwardly to a position flush with the nose, and manually controlled means for selectively operating said flaps in a plurality of sets with each set consisting of similar ones of the flaps for both air exit openings, said manually controlled means including a motor driven opening and closing mechanism for each flap, and means to simultaneously throw the mechanism of predetermined similar flaps of both openings into and out of operation.

2,496,084
WEATHER STRIP
Charles M. Casperson, Erie, Mich.
Application December 5, 1945, Serial No. 632,970
1 Claim. (Cl. 20—68)



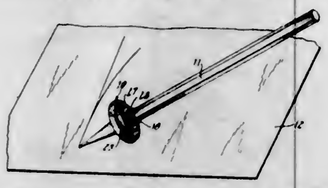
A weather strip comprising an elongate spring metal strip, an inwardly extending shoulder on said strip adjacent an edge portion thereof, said edge portion constituting one side of a guide, a second elongate metal strip in spaced parallel relation to said first strip, an inwardly extending shoulder on said second strip opposite said first shoulder, the adjacent edge portion of said second strip constituting the other side of said guide, a felt-like weather strip slidable in said guide with a substantial portion projecting outwardly therefrom, a wall portion integral with said second strip and projecting at right angles therefrom to said first strip, a terminal flange on said wall portion abutting said first strip, means connecting said flange and said first strip, a plurality of resilient tongues struck from said first strip and terminating in elongate substantially flat portions, an elongate pressure plate against one side of which said flat tongue portions bear, said shoulders limiting the outward movement of said pressure plate, and an adhesive connection between said felt-like weather strip and the opposite side of said pressure plate.

2,496,085
AUTO SUNSHADE
Alexis C. Engelheart, New Orleans, La.
Application August 25, 1948, Serial No. 46,011
5 Claims. (Cl. 296—137)



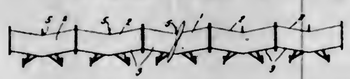
4. In a device for protecting a vehicle from the sun's rays, a frame, said frame carrying a pair of spaced, parallel side braces, a pair of spaced, parallel bars arranged transversely of said side braces and operatively connected to the latter, a cover provided with a transversely-disposed pocket in each end thereof supported on said side braces and bars, an angle bar positioned within each of said pockets, the front and rear ends of said side braces being bent downwardly, there being a plurality of cut-outs in said cover for the reception of a portion of the bent ends of said side braces for preventing damage to said cover, a casting carried by the front end of each of said side braces abutting one of said angle bars, a male member slidably carried by the rear end of each of said side braces, a casting secured to the outer end of each of said male members and abutting the other of said angle bars, resilient means operatively connected to each of said members for maintaining said cover in extended position, there being a plurality of intermediate pockets extending transversely across said cover, and a stay rod positioned within each of said intermediate pockets.

2,496,086
GUIDING DISK FOR DRAWING PENCILS
James F. Fitzgerald, Detroit, Mich.
Application May 5, 1949, Serial No. 91,604
5 Claims. (Cl. 120—107)



1. In combination with a pencil, a device of the kind described, said device comprising a cylindrical sleeve seated upon said pencil, a rubber lining within the sleeve for a grip upon the outer surface of the pencil, a spool mounted for rotation on the sleeve, and a disk-shaped roller axially mounted upon the spool for rotation therewith, the outer rim of the roller being semi-circular in cross-section.

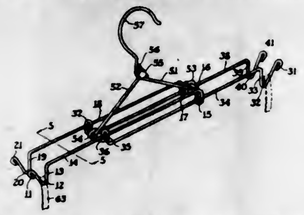
2,496,087
AERIAL TRAIN
Jacob Waggoner Partee Fleming, Memphis, Tenn.
Application September 23, 1944, Serial No. 555,562
2 Claims. (Cl. 244—2)



1. A heavier-than-air craft of that type in which the wing width is coextensive with the body length adapted to be joined to other similar craft to form an air train comprising, a pair of oppositely projecting air foils of uniform cross section from root to tip positioned to form an upward dihedral, the ends of said air foils being flat, vertical and parallel to one another, fins extending beyond the air foil surfaces and lying in a plane of the vertical ends of said air foils, a plurality of recesses in each of the vertical ends of said air foils, the recesses being similarly positioned in each of the ends so that when the tips of the air foils of two of the similar craft are juxtaposed the recesses will coincide, coupling members in the recesses of one of said air foils having means to operate said member projecting within the air foil, companion coupling members in the recesses of the other air foil, and means to release the couplings projecting within the air foil carrying said companion coupling numbers, whereby when two similar air craft are coupled together the couplings may be released from the interior of either air craft.

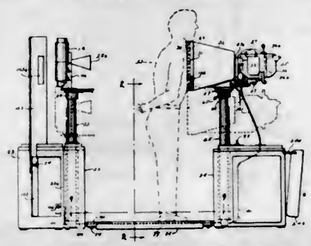
2,496,088
GARMENT HANGER
Frank E. French, Rochester, N. Y.
Application March 1, 1947, Serial No. 731,737
2 Claims. (Cl. 223—95)

2. A trousers hanger including two pieces of wire each bent into approximately elongated U-shaped form with two approximately parallel legs connected to each other by a lateral connection at one end, each leg having an approximately V-shaped hook at the other end with the free end of the hook doubled back upon itself to provide a curved blunt terminal, the two pieces of wire being assembled in overlapping and telescopically sliding relation to each other with the lateral connection of each piece slidably looped around the legs of the other piece, a pair of toggle links, each link being pivoted at one end to the lateral connection of one piece of wire by being looped around it, and being connected at the other end to a pivot pin by being looped around it, a supporting hook having a shank also looped around said pivot pin, so that when said



toggle links are held in upstanding position said supporting hook is confined to swing in substantially the same plane as said toggle links and may not tilt substantially sideways from such plane, said two pieces of wire being entirely free to slide longitudinally on each other except as restrained by said toggle links and being free of all other restraint against such longitudinal sliding movement.

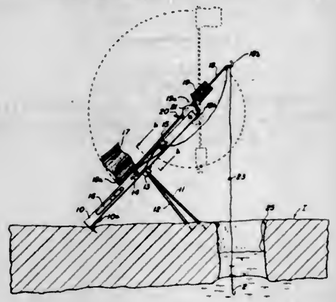
2,496,089
MINOGRAPH FOR PHOTOFLUOROGRAPHY
Edwin R. Goldfield and Robert J. Stava, University Heights, and Edgar J. Bastin, Jr., Cleveland, Ohio, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 24, 1945, Serial No. 624,172
5 Claims. (Cl. 250—65)



5. Portable apparatus for fluoroscopy comprising two cabinets adapted to be placed upon a floor, a vertical column in each cabinet, means supporting each column in its associated cabinet for vertical movement, each of said columns adapted to be substantially wholly retracted into its cabinet, an X-ray tube mounted at the top of one of said columns, a fluorescent screen mounted at the top of the other of said columns, a platform adapted to rest upon the floor between said cabinets, means for detachably connecting opposite ends of said platform respectively to said cabinets constructed and arranged to fix the distance between them, mechanical train means below the top level of said platform detachably connectable between the lower ends of said columns for causing them to move in unison, and drive means for producing column movement, whereby said cabinets and platform and connectable means may be quickly placed upon a floor and connected and persons may

stand on said platform between said tube and screen and said columns may be moved up and down in unison to accommodate persons of varying height.

2,496,090
ICE FISHING TIPUP
John W. Grohs, Torrington, Conn.
Application May 10, 1947, Serial No. 747,273
2 Claims. (Cl. 43—17)



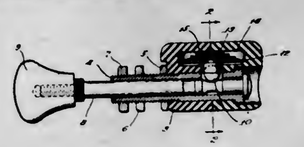
1. In a tip-up, a beam adapted to be mounted in an inclined position, a signal rod having means to support a fish line at one end thereof, and means for pivotally mounting said rod upon said beam, said mounting means including a clamp for gripping the center portion of said rod at any desired point, wherein said clamp includes a disk eccentrically pivoted on said beam, said disk having a bore shaped to receive said rod, and a U-shaped leaf spring embracing said disk and having apertures also shaped to receive said rod.

2,496,091
METHOD FOR THE PREPARATION OF PHENYL CHLOROFORMATE
John A. S. Hammond, Glenbrook, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 26, 1947, Serial No. 744,159
5 Claims. (Cl. 260—463)

1. The method for the preparation of phenyl chloroformate which comprises adding to a solution of phosgene in at least one solvent selected from the group consisting of pentane, hexane, heptane, benzene, toluene and xylene, a slurry containing anhydrous sodium phenolate in at least one material selected from the group consisting of pentane, hexane, heptane, benzene, toluene and xylene and maintaining the temperature at a range from −35° C. to +15° C. for a length of time sufficient for the sodium phenolate to react with the phenyl chloroformate.

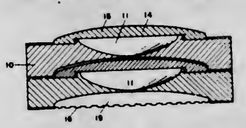
2,496,092
ELECTRIC SWITCH
Reinhard P. H. Hinds, Chislehurst, England
Application January 23, 1948, Serial No. 3,880
In Great Britain October 28, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 28, 1966
4 Claims. (Cl. 200—161)

1. An electric switch of the push pull type comprising an insulating body formed with a bore, a chamber spaced radially from said bore and disposed to one side thereof and a radial channel communicating between the chamber and the bore, a tubular mounting stem disposed in said bore and having an attaching portion projecting axially outwardly thereof, said stem having a side-wall opening registering with said channel, an electrode member embedded in said body and extending from a position in said chamber to a position accessible exteriorly of the body, a contact member in said chamber and movable therein axially of said channel between positions respectively contacting and separated from said electrode, spring means in the chamber urging the contact member axially of said chamber toward said bore, an operating bolt slidable axially in the tubular mounting member, an operating structure disposed in said channel and side-wall opening between the switch con-



tact member and said bolt and movable axially in said channel, and said bolt having axially spaced recesses of different depth selectively registerable with said operating structure, the deeper of said recesses accommodating movement of the switch element axially of the channel into one of said positions and cooperating with said spring and said structure for yieldably resisting axial displacement of the bolt, the other of said recesses being of a depth maintaining said operating structure axially outwardly of the channel against the force of the spring for maintaining the switch element in the other of its positions and cooperating with the spring and said structure for yieldably resisting axial displacement of the bolt.

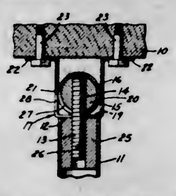
2,496,093
STACKED JAR CONTAINER WITH SELF-LOCKING TOP AND BOTTOM
James M. Iwata, Northridge, Calif.
Application February 12, 1947, Serial No. 728,033
1 Claim. (Cl. 215—10)



In a nested container combination, the combination which comprises a flat horizontally disposed cylindrical container body having centrally disposed concave cavities in the upper and lower surfaces with the cavity in the lower surface larger than the product carrying cavity in the upper surface whereby the cover of a similar container is received in the said larger cavity of the lower surface with one container positioned upon another, said cylindrical body having an upwardly extended threaded neck positioned around the product carrying cavity in the upper surface, and a flat cover with an arcuate upper surface threaded on said neck, the outside diameter of said cover being less than the inside diameter of the cavity in the lower surface of the body whereby the cover is nested in the cavity of a superimposed body, and the upper and lower surfaces of said cylindrical body being provided with radially disposed corrugations whereby cor-

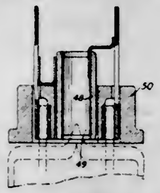
rugations of one cylindrical body mesh with corrugations of another and prevent one body turning upon another thereby facilitating unscrewing the covers from the said cylindrical bodies.

2,496,094
FOLDING LEG FOR FURNITURE
Victor E. Johnson, Royal Oak, Mich.
Application August 19, 1948, Serial No. 45,189
6 Claims. (Cl. 5—312)



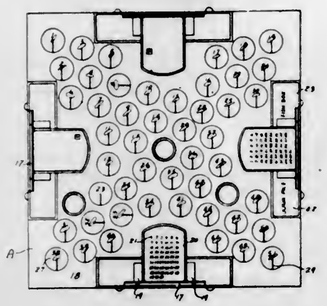
1. A device of the character set forth comprising an outer casing for attachment to a piece of furniture, said casing having a horizontally disposed bottom wall and a vertically disposed side wall, said bottom and side walls each having a slot, said slots communicating with each other to form a single slot, a cylindrical nut rotatably disposed within said casing, and a leg having a screw stud fixedly attached to and projecting above its upper end, said stud passing through said slot and being screwed into said cylindrical nut, said bottom wall of said casing forming a seat for the upper end of said leg when said leg is rotated to screw said stud into said nut to hold the leg in a vertical position, said side wall of said casing forming a seat for the upper end of said leg when said leg is partially unscrewed from said nut, pivoted to swing said stud through said slot to move said leg to a horizontal position, and again rotated to screw said stud into said nut to hold said end of said leg against said side wall.

2,496,095
COMBINED TUBE SOCKET AND BY-PASS CONDENSER
Heinz E. Kallmann, New York, N. Y.
Application July 10, 1947, Serial No. 760,004
9 Claims. (Cl. 175—41)



1. An amplifier tube socket comprising in combination a socket body having a front face and a rear face and consisting of electrically insulating material; a plurality of circularly arranged contact holes in said front face of said socket body; a plurality of circularly arranged electrically conductive socket lugs extending from said contact holes within said socket body to the rear face of said socket body and projecting beyond said rear face of said socket body; an insulating bypass condenser body having opposite faces and mounted on said socket body within the space surrounded by the projecting portions of said circularly arranged socket lugs; a common metal electrode coating provided on one of said opposite faces of said insulating bypass condenser body; a plurality of metallic coatings serving as condenser electrodes provided on the other face of said bypass condenser body spaced from each other; one electrically conductive lead connecting said common metal electrode coating with a grounded socket lug; and a plurality of electrically conductive substantially radially arranged leads connecting at least some of the other socket lugs with said metallic coatings serving as condenser electrodes.

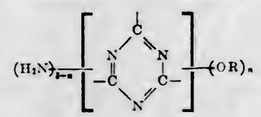
2,496,096
FISHING GAME
Edmund Sheldon Kelley, Lincolnton, Ga.
Application April 11, 1946, Serial No. 661,450
1 Claim. (Cl. 273—140)



In a game board, the combination which comprises a hollow rectangular shaped casing having spaced upper and lower panels connected by side and end walls, the said upper panel having spaced openings therein, closures positioned in the said openings, loops extended upwardly from said closures by which the closures may be raised from the openings, articles positioned in the casing and suspended from the closures, and traps positioned on each side of the game board for the placement of articles therein.

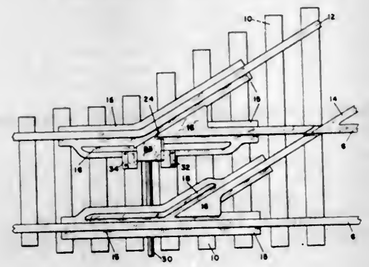
2,496,097
REACTION PRODUCTS OF AN ALDEHYDE AND A TRIAZINE DERIVATIVE
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 31, 1946, Serial No. 719,632
20 Claims. (Cl. 260—67.6)

1. A composition comprising a synthetic material which is the product of reaction of ingredients including (1) an aldehyde and (2) a triazine derivative represented by the general formula



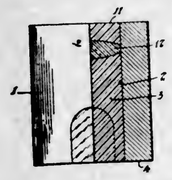
where n represents an integer which is at least 1 and not more than 2, and R represents a polymerizable, monovalent, primary, monoethylenically unsaturated, aliphatic radical having at least 3 and not more than 10 carbon atoms and wherein the substituents attached to the carbon atoms of the aliphatic chain are selected from the class consisting of hydrogen, monochlorine and monovalent hydrocarbons, the ethylenic group being the sole unsaturated group in the said radical.

2,496,098
RAILROAD SWITCH
Vito La Grande, Westfield, N. J.
Application May 21, 1946, Serial No. 671,192
1 Claim. (Cl. 246—430)



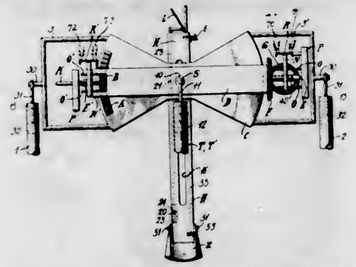
A railroad switch comprising main tracks and switch tracks mounted on ties, Y-shaped bases, rail sections on the bases connected to said tracks, fixed switch points integral with the bases at the junctions of the rail sections of the main tracks and switch tracks, guard rails on the bases inside of the rail sections, a switch block mounted for reciprocal movement at the junction of the main track and switch track, a diagonal face on said block, a notch in said face engageable with the pointed end of said switch point, opposed flanges on said block, an attaching lug on the lower face of said block, an operating rod connected to said lug, guide housings removably fixed to the base and confining the flanges on said block for guiding the block in its reciprocal movement.

2,496,099
CENTER LOCATOR
Frank Leto, Los Angeles, Calif.
Application August 27, 1945, Serial No. 612,814
1 Claim. (Cl. 33—1)



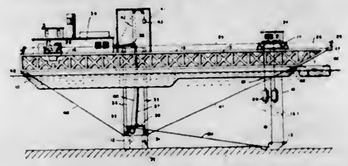
In a center locator, a body formed of magnetic material, said body being substantially cylindrical, a transparent core affixed in said body, said body having one end cut away to form the poles of a magnet, said pole end being perpendicular to the outer periphery of said body, and center indicating means carried on the end of said core adjacent to said poles.

2,496,100
AUTOMATIC STABILIZER FOR AIRPLANES
José Marques, Casas Novas, Sao Joao de Areias, Santa Comba Dao, Portugal
Application January 16, 1945, Serial No. 573,002
7 Claims. (Cl. 244—80)



1. In an aircraft having elevators and ailerons for adjusting and maintaining the angular position of the craft about its pitch and roll axes respectively, a control lever adapted to normally occupy an approximately vertical position, means pivotally mounting said lever for swinging movements in both the fore and aft direction and transversely of the craft to actuate the elevators and ailerons respectively, means connecting said device to said elevators and ailerons, means for bodily raising or lowering said lever as a whole relative to its pivot points for manual operation in raised position and for automatic operation in lowered pendulous position, means accommodating said raising and lowering to the said connections whereby their operations are not disturbed by such adjustments of the lever.

2,496,101
DEEPWATER DREDGE
George B. Massey, Chicago, Ill.
Application June 30, 1948, Serial No. 36,202
12 Claims. (Cl. 37—71)

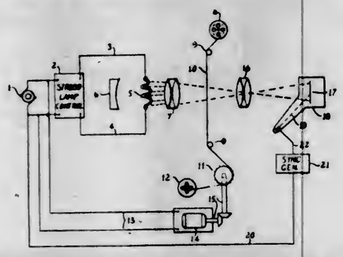


12. A dredge comprising a hull, a dragline bucket, means for raising and lowering said bucket from said hull, an anchor block, means for hoisting said anchor block toward said hull, dragline means extending between said bucket and said anchor block, and winch means on said anchor block coacting with said dragline means so as to haul said bucket toward said anchor block, when said anchor block is resting on the river bottom beneath said hull, without transmitting strains to the hull.

2,496,102
STROBOSCOPIC PROJECTION OF INTERMITTENT FILM ON TELEVISION CAMERAS
Willis I. McCord, Little Falls, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 18, 1945, Serial No. 637,710
1 Claim. (Cl. 178—7.2)

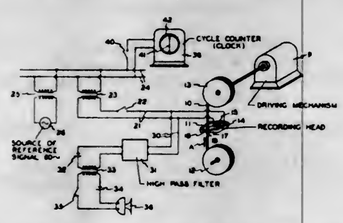
Apparatus for televising the image on a motion picture film comprising a source of light, means

for supporting and intermittently moving said film at motion picture frame rates, a television pickup tube having an electron beam, and a pulse generating circuit for blanking said beam at both horizontal and vertical television frequency rates, said source of light being stroboscopic and connected to said circuit to be operated at the



vertical blanking rate of said tube and synchronized therewith, the duration of each light pulse being less than the duration of said vertical blanking, said film being positioned between said source and said tube to be intermittently illuminated by said light, said film being stationary during periods of illumination by said light.

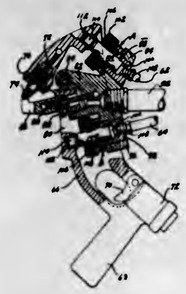
2,496,103
INDEXING AND SPEED CONTROL SYSTEM FOR MAGNETIC REPRODUCERS
Jacob Neufeld, Tulsa, Okla.
Application September 14, 1944, Serial No. 554,045
11 Claims. (Cl. 179—100.2)



1. An apparatus for moving a physical medium, said physical medium having impressed thereon a signal, comprising a pick-up element mounted in operative relation to said medium for translating said impressed signal into an electric current, and means responsive to said current for controlling the relative motion between said medium and said pick-up element, and another means responsive to said current for indicating the displacement between said medium and said pick-up element.

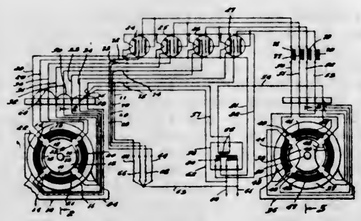
2,496,104
HYDROPNEUMATIC PRESSURE BOOSTER AND WELDING GUN
Elmer F. Paner, Detroit, Mich.
Application July 11, 1946, Serial No. 682,816
2 Claims. (Cl. 219—4)

1. An electric welding apparatus comprising a body portion, having a normally fixed electrode, a pivoted carrier on said body portion, an electrode carried by said carrier, a pair of cylinders on said carrier, one each at the opposite sides of the pivot of said carrier, pistons in said cylinders having one end in contact with said body portion, and fluid conduits in communication with said



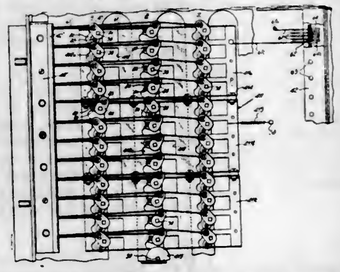
cylinders for alternately conducting a fluid pressure to each of said cylinders.

2,496,105
TELEMETRIC SYSTEM
Rolland F. Pearson, Brooklyn, N. Y.
Application January 2, 1948, Serial No. 339
4 Claims. (Cl. 318—23.5)



1. In a telemetric system, a control device including a stator having a plurality of poles with independent coils for producing a magnetic field passing through the poles respectively, a rotor mounted for rotation within said stator and having a recess in the periphery thereof subtended by an arc substantially equal to the arc subtended by the poles respectively, a responsive device including a stator having poles corresponding in number to the poles of the control device and respectively provided with coils for producing a magnetic field passing through each of the poles, a permanent magnet mounted for rotation in said stator and having opposite ends formed concentric with said poles, vacuum tubes corresponding in number to the number of poles of the stator of said control device, said tubes having their cathodes and control grids connected with the opposite ends of the coils of the stator of said control device respectively and the suppressor grids and plates of said tubes being connected with the coils of the responsive device respectively at one end thereof, a transformer adapted to be connected with a source of alternating current supply and having a secondary winding connected in circuit with each of the coils of said responsive device and in circuit with each of the coils of the control device for producing a magnetic field in the stator of the responsive device to cause the permanent magnet to be rotated to a position corresponding to any setting of the rotor of the control device.

2,496,106
VOTING MACHINE WITH MECHANISM FOR GROUP VOTING
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 13, 1948, Serial No. 14,713
2 Claims. (Cl. 235—55)

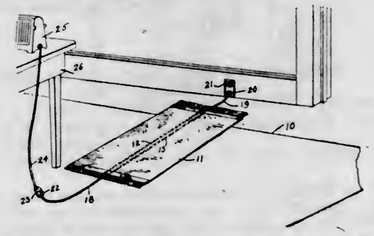


1. In a voting machine, a plurality of columns of spindles, an arm fixed to each spindle, a pin at the end of each arm extending parallel to the spindle axis, a plate slidable at right angles to said spindles and having a substantially rectangular aperture for each spindle with said spindle and its associated pin projecting therethrough, each pin being engageable with one aperture wall upon rotation of its associated spindle from unvoted to voted position to slide said plate from one position to another, a personal choice slide, an interlock set up for a one vote condition, a single interlock strap connecting said plate to said interlock, an interlock strap connecting said personal choice slide to said interlock, said two interlock straps interacting with said interlock because of its being set up for a one vote condition to lock out either the personal choice slide or the plate upon actuation of the other, a supplemental interlock set up for a multiple vote condition, and interlock straps, one connecting each of selected of said spindles to said supplemental interlock, said last-named interlock straps and said supplemental interlock interacting because of its being set up for a multiple vote condition to permit actuation of a number corresponding to the multiple vote condition set up of said supplemental interlock of the selected of said spindles provided that said personal choice slide has not been actuated to lock out said plate.

2,496,107
RECOVERY OF CYCLOPENTADIENE
William D. Spaulding, Steubenville, Ohio, and Bernard K. Wasserkrug, Hollidays Cove, W. Va., assignors to National Steel Corporation, a corporation of Delaware
No Drawing. Application March 30, 1943, Serial No. 481,160
1 Claim. (Cl. 260—666)

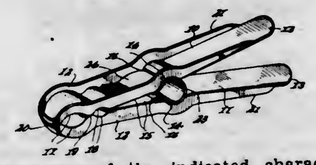
A process for separating cyclopentadiene from coke oven by-product light oil containing the same comprising separating a fraction of the light oil having a boiling range in the vicinity of that of cyclopentadiene and including the cyclopentadiene, passing the separated fraction into a polymerization zone, maintaining the separated fraction in vapor phase in the polymerization zone and at a reaction temperature between about 150° C. and about 275° C. and under a pressure in the neighborhood of atmospheric pressure, maintaining the vapors at reaction temperature for a time sufficient to polymerize cyclopentadiene to dicyclopentadiene but insufficient to cause substantial polymerization of the dicyclopentadiene to higher polymers, passing the effluent of the polymerization zone to a condensation zone wherein the effluent is reduced to a temperature below 170° C. but above 40° C. to condense the dicyclopentadiene and collecting the liquid dicyclopentadiene.

2,496,108
ELECTRIC CONDUCTOR EXTENSION CORD
Maurice G. Steele, Rome, N. Y.
Application April 9, 1947, Serial No. 740,413
1 Claim. (Cl. 174—117)



In a floor covering which may serve also as an extension cord for conducting current from an outlet socket to an electrical appliance, a scatter rug, a single pair of spaced-apart insulated flat conductor cords located under said rug and incorporated therewith by means of a longitudinal webbing positioned under said conductors secured to said rug by stitching, said conductor cords being located in substantial abutment with each other at their end sections which extend beyond both ends of said rug, thereby producing a unitary scatter rug and extension cord.

2,496,109
CLOTHES CLAMP
George C. Terry, Flushing, N. Y.
Application November 1, 1945, Serial No. 626,041
1 Claim. (Cl. 24—137)



In a clamp of the indicated character, a pair of confronting aligned mating members each having a bottom wall, and each consisting of a clamping portion at one end thereof, a hand manipulating portion at the opposite end and a transversely extending recess formed in the bottom wall thereof and located between said clamping and manipulating portions, said clamping portions having mating slots opening through the bottom walls thereof and longitudinally extending outwardly projecting rims at the opposite sides thereof, and a flat spring member formed into an arcuate portion and oppositely disposed mating free ends located with said arcuate portion interfitted in said recesses and with the free ends protruding through said slots and tensioned against the other faces of the said bottom walls between said rims and functioning to connect the said members together for outward swinging movement of the clamping portions

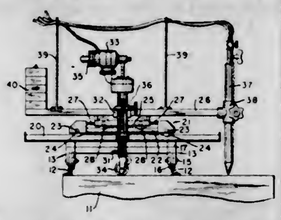
against the tension of said spring member for inserting and grippingly engaging an article therebetween and for retaining said mating members in longitudinal alignment.

2,496,110

DOUBLE RECTILINEAR TORCH MACHINE

Oliver Thurman, Jr., Mount Tabor, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application September 3, 1947, Serial No. 771,843
6 Claims. (Cl. 266—23)



1. A double rectilinear torch machine comprising a movable base carriage guided to move rectilinearly, an upper carriage movably mounted on the base carriage and guided to move rectilinearly at an angle to the direction of movement of the base carriage, a tracer and a torch mounted on the upper carriage so that they move in unison and so that they are capable of universal movement in a plane by reason of the double rectilinear movability of the carriages, and resilient means interposed between the upper carriage and the base carriage for transmitting to the base carriage movements of the upper carriage in a direction in which the base carriage is movable.

2,496,111

BIOPSY NEEDLE

Henry Turkel, Detroit, Mich.

Application September 26, 1947, Serial No. 776,169
6 Claims. (Cl. 128—2)



1. A biopsy instrument comprising a sharp ended tubular sheath, a hollow shaft rotatably positioned therein, shearing means on the end of said shaft adapted to project beyond the end of said sheath, a needle slidably positioned within said shaft, and tissue gripping and retaining means upon the end of said needle associated and cooperable with said shearing means for immovably retaining the tissue during rotation and inward movement of said shearing means.

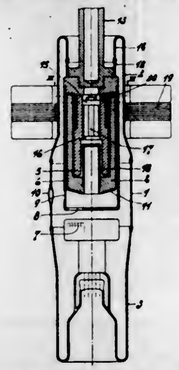
2,496,112

X-RAY TUBE

Jacob Harmannus van der Tuuk and Johannes Jan Smit, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 18, 1946, Serial No. 662,962
In the Netherlands November 20, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 20, 1961
6 Claims. (Cl. 250—148)

1. An X-ray tube comprising a cathode electrode, a rotatable anode electrode, and a shield member comprising a cylindrical portion surrounding the anode and a disc-shaped portion closing the cylindrical portion interposed between the anode and cathode electrodes, said cylindrical portion being fixedly mounted to a support member which rotatably supports the anode



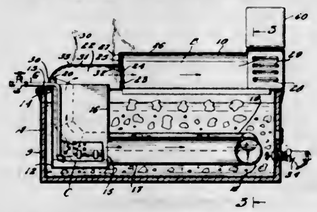
whereby the rotatable anode is completely enclosed by the shield, said disc-shaped portion having an aperture therein to permit electrons emitted by said cathode electrode to impinge on said anode electrode and said cylindrical portion having an aperture therein to permit the passage of X-rays from said anode.

2,496,113

HEATER FOR MELTING BITUMINOUS MATERIAL AND FOR PREVENTING FLASHING OF VAPORS GIVEN OFF THEREBY

Paul Wollner, Weehawken, N. J.

Application June 25, 1947, Serial No. 756,858
4 Claims. (Cl. 126—343.5)



1. In a heater for melting bituminous material, a container for receiving the material to be melted, a cover hinged to said container adapted to be opened for charging the container with the bituminous material and providing a chamber above the material in the container, a burner for producing a flame for heating and melting the material in the container, a flue having an outlet opening into the chamber and through which the heated gases of combustion produced by said flame are conveyed into said chamber and pass over the upper surface of the material therein for heating the same and for removing the vapors given off by said material, and said hinged cover having an opening through which the said gases of combustion together with the vapors taken up thereby are discharged and a closure hinged to said cover adapted to be swung into overlying relation with said opening for preventing the discharge of the vapors and gases of combustion.

2,496,114

PURIFICATION OF NICOTINAMIDE

James Raymond Berg, Detroit, Mich., assignor, by mesne assignments, to R. P. Scherer Corporation, a corporation of Michigan

No Drawing. Application October 8, 1945, Serial No. 621,165
5 Claims. (Cl. 260—295.5)

1. A process for purifying nicotinamide contaminated with nicotinic acid which comprises suspending the impure nicotinamide in a hydrocarbon solvent, treating the suspension with an amine inert to nicotinamide but reactive with nicotinic acid to form a nicotinic acid amine salt which is soluble in said solvent, said amine being taken from the group consisting of primary and secondary alkylamines, cyclohexylamines, primary aromatic amines, primary and secondary alkylolamines, aralkylamines, morpholine, and piperidine, and recovering the undissolved and unreacted nicotinamide.

2,496,115

STABILIZATION OF PERFLUORO OILS

William B. Burford, III, Baltimore, Md., and Clifford E. Weber, Schenectady, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application February 2, 1948, Serial No. 5,894
4 Claims. (Cl. 260—648)

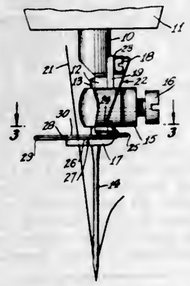
1. The process of stabilizing and removing chemically combined residual hydrogen from a perfluoro oil containing less than 1% of residual hydrogen which comprises subjecting said perfluoro oil to treatment with fluorine at a series of increasing temperatures from a base starting range of 60° to 150° C. to a maximum temperature lying between 250° C. and 315° C.

2,496,116

THREAD CONTROLLING DEVICE FOR SEWING MACHINES

William Clifford Boyer, Pittsfield, Mass., assignor to A. H. Rice Company, Pittsfield, Mass., a corporation of Massachusetts

Application February 1, 1947, Serial No. 725,889
5 Claims. (Cl. 112—254)



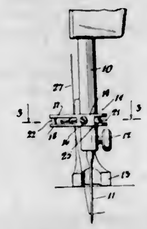
1. As an article of manufacture, a sewing machine attachment comprising a spring element for applying a restraining force to the free passage of a thread between its source of supply and the eye of a needle, said spring element consisting of a wire having a loop at one end which is engageable by a screw for securing the wire to a needle bar of a sewing machine, said wire having a portion thereof extending away from said loop and downwardly of the needle bar to a bend therein which continues the wire into one leg of a bifurcated spring element disposed substantially horizontally and extending transversely of the axis of the needle bar, the wire of said leg continuing into a further bend and providing a length of wire in the plane of said leg which terminates in a U-bend disposed in a substantially vertical plane with the wire continuing from said U-bend into a second length of wire which is parallel to said first-mentioned length and then continues into a bend extending into a second leg in a horizontal plane displaced from the plane of said first-mentioned leg whereby said two legs of the wire constitute a bifurcated spring element with the said legs biased toward each other for engaging a substantially vertically disposed thread therebetween.

2,496,117

THREAD CONTROLLING DEVICE FOR SEWING MACHINES

William Clifford Boyer, Pittsfield, Mass., assignor to A. H. Rice Company, Pittsfield, Mass., a corporation of Massachusetts

Application March 23, 1948, Serial No. 16,464
6 Claims. (Cl. 112—254)



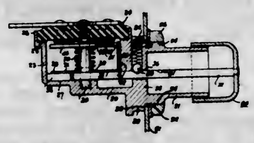
1. A sewing machine device for controlling a thread between a source of supply and the eye of a needle and comprising a member having a pair of flanges spaced from one another, said flanges having aligned openings for the passage of thread therethrough, a cantilevered spring secured to said member and having a movable portion disposed between said flanges and adapted to flex in a plane substantially parallel to said flanges, said portion of the spring being movable in a direction crosswise of the axis of said openings and having such resiliency as to displace a thread passing through said openings laterally thereof and between said flanges, and means for mounting said member to reciprocate with said needle.

2,496,118

ELECTRIC SWITCH

William Earl Brown, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

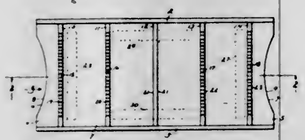
Application May 21, 1947, Serial No. 749,474
5 Claims. (Cl. 200—156)



1. A switch comprising in combination; a casing; a closure for the casing carrying stationary

contacts; a stud supported by the casing and closure; a manually operated actuator slidably supported by the housing perpendicular to the axis of the stud, said actuator having a slot through which the stud projects to guide the actuator in straight line movements; a disc rotatably supported on the stud; ratchet provisions provided by the actuator on each side of the slot and capable of extending into openings provided by the disc to move the disc step-by-step in one direction of rotation only upon opposite movements of the actuator; a carrier mounted for axial and rotary movements on the stud and carrying a bridging member adjacent the stationary contacts; means provided by the disc for driving the carrier whereby the carrier rotates with the disc at all times; spring means disposed between the carrier and disc tending to urge them apart and maintain the ratchet provision effective; and means for yieldingly holding the actuator in any one of its actuated positions.

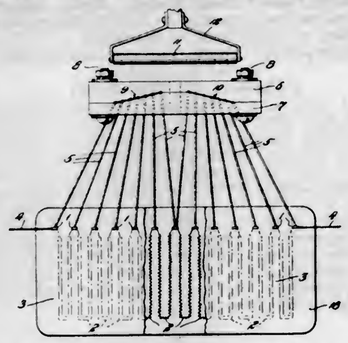
2,496,119
TRACTION DEVICE FOR AUTOMOTIVE VEHICLES
Frank Cesen, Cleveland, Ohio
Application March 7, 1946, Serial No. 652,618
12 Claims. (Cl. 238—14)



1. In a traction device for pneumatically-tired vehicle wheels, an elongated flat base wall having opposite spaced-apart side walls; an end of the base wall being recessed to provide thereon a transverse concave arcuate edge conforming generally to the profile of a vehicle tire tread and the arcuate edge being at substantially right angles to the base; a transverse group gripping calk on the underside of the base wall near the recessed end; a plurality of transverse longitudinally spaced apart fins, projecting upwardly from the base wall and extending to and integrally joined to the side walls and each having an upwardly concave edge conforming generally to the profile of a vehicle tire tread; the concave edge of the end fin nearest the end of the base wall being inwardly of the concave edge on the end of the base wall; and the calk being inwardly of the said end fin; the several fins, proceeding successively from the end fin toward the other end of the base wall having their concave edges successively farther from the base wall.

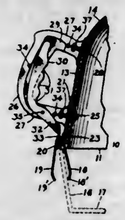
2,496,120
ELECTRIC CONTROLLING APPARATUS
Arthur M. Cohen, New Rochelle, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application September 19, 1945, Serial No. 617,256
2 Claims. (Cl. 200—166)

2. Electric controlling apparatus comprising a plurality of conductors in the form of wires having their ends exposed to form contact surfaces and positioned to form two rows of contact surfaces at an angle to each other converging toward an apex, a contact bar movable over said surfaces in a direction to correspondingly bridge said two rows, and clamping elements on opposite sides of said conductors for holding said conductors between them and having their opposed



faces inclined in the direction of said rows for positioning said conductors.

2,496,121
GREASE SHIELD FOR SKILLETS AND THE LIKE
Harold E. De Ment, Decatur, and Herschel L. Wisnasky, Forsyth, Ill.
Application August 13, 1948, Serial No. 44,003
2 Claims. (Cl. 220—85)

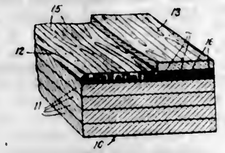


1. A grease shield device comprising a shielding body portion proper and means for mounting said body portion detachably supported on the side wall of a cooking utensil such as a skillet or the like, said mounting means comprising a clamp element including a stationary member fastened supportedly to and depending from the lower portion of said shielding body, an opposed clamp member hinged to said stationary member with some conventional means for normally self-moving said hinged member towards and yieldably holding it in closed relation to said stationary member, a handle element secured on said shielding body, and an actuator element mounted on said handle element in cooperative relation to said hinged clamp element for moving the same to an opened position relative to said stationary clamp member.

2,496,122
GRAINED LAMINATED STRUCTURE
William T. Donahue, Chicago, Ill.
Application March 8, 1946, Serial No. 653,100
1 Claim. (Cl. 154—45.9)

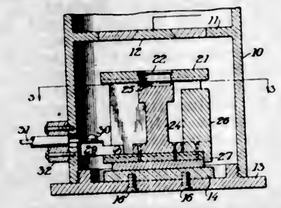
In a grained laminated structure, a laminated base comprising a plurality of sheets of fibrous material, a facing sheet of paper at one face of said base creped independently thereof and exterior thereto, and a cover sheet of fibrous material overlying said facing sheet, all of said sheets

being impregnated with and bonded together by a synthetic resin binder, said cover sheet being substantially transparent and the physical structure of said creped paper simulating the grain of



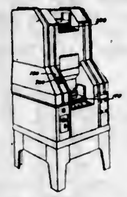
natural wood, said resin substantially filling the depressions of the creped paper and being substantially transparent augmenting the apparent depth of the grain like structure thereof.

2,496,123
IONIZATION CHAMBER
Jack K. East and Spofford G. English, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application January 9, 1946, Serial No. 640,107
10 Claims. (Cl. 250—83.6)



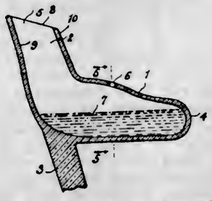
1. An ionization chamber including a pair of spaced parallel plates adapted to define an electric field, a sample holder and a removable end plate, characterized by one of said plates being wire mesh and carried by the end plate in overlying relation to the sample holder.

2,496,124
STATISTICAL CARD COMPARING MACHINE
John T. Ferry, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 7, 1944, Serial No. 567,041
16 Claims. (Cl. 209—110)



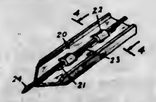
16. In a machine for handling individual groups of records including record comparing means, and separate concurrently operable record conveying means for each of said groups of records, a plurality of record receiving pockets individual to each of said conveying means, deflector mechanisms associated with each of said conveying means and effective for deflecting a record into a related pocket, a receiving pocket common to both said conveyor means and disposed to receive records undeflected by said deflector mechanisms, a separate operating means individual to a deflector mechanism associated with each conveying means, each of said separate operating means being controlled by said comparing means and including a reversely actuable pivotal member connectable at opposite sides of the pivotal axis thereof with the associated operating means, means for dissociating one or another of said separate operating means from control of said comparing means, and pocket selector control means for operating another deflector mechanism associated with each conveying means and having a plurality of settable positions, said control means including separate settable members engaging each of said separate operating means for selectively effecting one or another of said connections with said pivotal members whereby in one setting of said members the associated deflector mechanisms are operated under control of the comparing means from an ineffective to effective deflecting position and in another setting said deflector mechanisms are operated under control of the comparing means from an effective to ineffective deflecting position.

2,496,125
NASAL APPLICATOR
Bruno L. Griesman, New York, N. Y.
Application March 17, 1948, Serial No. 15,465
1 Claim. (Cl. 128—250)



A device of the character described comprising, a hollow body of elongated form constituting a fluid-holding chamber, the body having a rounded, closed end, the opposite end of the body being provided with an upwardly-extending outlet nozzle of substantially uniform diameter from its point of attachment to the body, to its upper open end, said nozzle extending angularly from the body and having straight walls, the opening at the said upper end being of a diameter at least equal to that of the internal diameter of the nozzle, the open end of said nozzle being oblique, the body being provided with an air vent opening located between the nozzle and the closed end of the body, and a projecting handle on the body, said handle having its longitudinal axis extending substantially parallel to the central axis of the nozzle.

2,496,126
FRACTURE NAIL AND BONE PLATE
Edward J. Haboush, Brooklyn, N. Y.
Application October 28, 1947, Serial No. 782,503
3 Claims. (Cl. 128—92)



1. A fracture nail comprising an elongated strip of metal having narrow flanges projecting

in opposite directions from both of its edges, and a chisel-like edge at one of its ends.

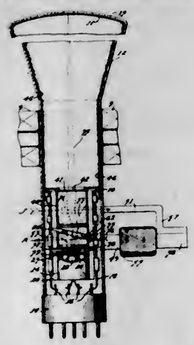
2. A fracture nail comprising an elongated strip of corrosion-resistant metal having a row of perforations extending lengthwise of said strip, and narrow web portions between said perforations bent alternately in opposite directions from said strip to form a channel for receiving a guide pin.

2,496,127

ELECTRON GUN FOR CATHODE-RAY TUBES

Joseph Kelar, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application February 5, 1947, Serial No. 726,589
38 Claims. (Cl. 250—162)



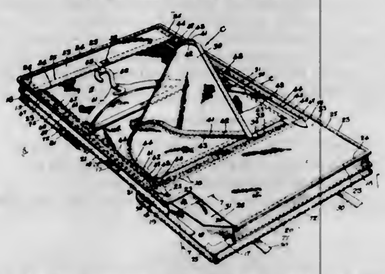
1. A cathode ray tube comprising an envelope having a tubular portion, an electron gun structure within said tubular envelope portion for producing and focusing along the axis of said tubular portion a beam of electrons wherein negatively charged ions may be present, said electron gun structure including as a part thereof means for deflecting said beam from the axis of said tubular portion, and means returning only the electrons of said deflected beam to the axis of said tubular portion.

2,496,128

COMPOSITE OVERNIGHT AND BRIEF CASE

Samuel H. Lifton, New York, N. Y.

Application August 7, 1946, Serial No. 688,833
3 Claims. (Cl. 190—43)



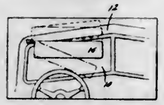
1. In an overnight and brief case, relatively elongated carrier means, gusset means secured lengthwise and widthwise of said carrier means, a cover secured to a lower portion of said gusset means, spaced and vertically disposed retaining strips secured to said gusset means, a horizontally arranged retaining strip secured to an upper part of said gusset means; said strips, gusset means, cover and carrier means defining a relatively elongated compartment substantially coextensive with the width and length of said case, a flap interposed between said spaced and vertically disposed strips and having a reversely turned portion, and a baffle secured to said portion and said gusset means and defining with said cover a supplementary pocket.

2,496,129

SUN VISOR

Alvin F. Moore, Monroe, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan

Application December 7, 1944, Serial No. 566,981
2 Claims. (Cl. 248—278)



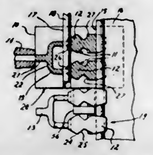
1. In sun visor mechanism for use in a vehicle body having a windshield window opening and a side window opening an upright cup shaped bracket base, a rod support pivoted upon the outer face of the bottom of the base by an upright pin extending through the bottom of the base for rotation thereabout over said outer face, a spring within the cup shaped base acting upon said pin holding the rod support yieldingly against the bottom of the base to maintain adjusted positions of rotation thereover, an angular hanger rod journaled at one end upon the rod support for rotation about a substantially horizontal axis, said rod support being in the form of a horizontally split horizontally disposed plate having a bearing for the hanger rod between its split portions and means holding said split portions to grip the rod to maintain adjusted positions of rotation therebetween, and a visor blade pivotally mounted upon the opposite end portion of the rod for rotatable adjustment thereabout.

2,496,130

METHOD OF CASTING SEPARABLE FASTENER STRINGERS

Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.; Louis H. Morin executor of said Davis Marinsky, deceased

Original application May 23, 1942, Serial No. 444,191. Divided and this application August 22, 1945, Serial No. 612,091
1 Claim. (Cl. 18—59)



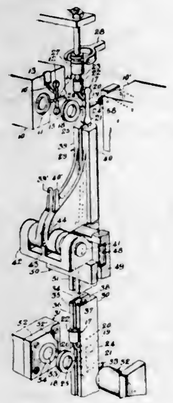
The method of producing separable fasteners employing stringers with scoops spaced longitudinally thereof, which comprises simultaneously die casting in a pair of dies a plurality of complete scoops, each scoop including a tape gripping portion and a coupling portion, in spaced relation on a preformed core element; removing the core element including the scoops thereon from the dies; directly applying said scoops to a tape by attaching the tape gripping portion of each scoop directly to the edge of said tape; removing said core element from all of the scoops, and then trimming all of said scoops.

2,496,131

METHOD AND APPARATUS FOR FORMING AND TRIMMING DIE CASTINGS

Louis H. Morin, Bronx, and Otto Gries, New Rochelle, N. Y.; said Gries assignor of his one-half to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware

Application April 24, 1946, Serial No. 664,586
6 Claims. (Cl. 18—1)



1. In apparatus for forming and trimming die castings, means at a casting station for forming a die cast body comprising a casting part, a body guide part and a body core engaging part, all of said parts of the body being integrally united, a trimming station comprising relatively movable trimming tools, said trimming station being disposed below and in spaced relation to the casting station, a chute for guiding a body between said stations, means for freeing a body formed at the casting station from said core when the dies are separated to deliver the guide part of the body to said chute in gravity feed and guide of the body to the trimming station, means at the trimming station for checking movement of the body in said chute and to aline the casting part between the tools at the trimming station, means in said chute and on the guide part of the body for further alining the body at the trimming station, said chute including an upper section comprising a pair of relatively movable chute plates, and means for pivotally mounting said plates to move toward and from the remainder of the chute.

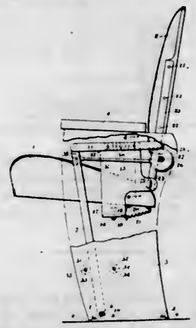
2,496,132

RETRACTING TYPE THEATER CHAIR

Joseph G. Prosser and Thomas W. Prosser, Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application June 26, 1946, Serial No. 679,355
3 Claims. (Cl. 155—116)

1. In a chair, spaced standards, a pair of supporting links each having its lower end pivotally connected to one of said standards, a pair of carriers each pivotally connected at its forward end to the upper end of a supporting link, guides on the standards for movably supporting the rearward ends of said carriers, a seat mounted on the carriers, a back pivotally mounted on the



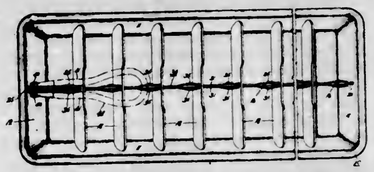
carriers, a back actuating link pivotally connected to the back and to one of said supporting links, and stop means for limiting the forward and rearward movements of said supporting links.

2,496,133

FREEZING TRAY

Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 7, 1946, Serial No. 646,099
5 Claims. (Cl. 62—108.5)



1. A partitioning grid for a freezing tray for dividing the ice contents into ice blocks of suitable size for table use, said grid having a longitudinally stretchable block-loosening member arranged so as to be embedded in the ice contents of said tray, said member having a series of laterally extending yieldable bulges in the material thereof spaced along its length each of which provides for a slight elongation of said member by a partial straightening out of said lateral bulges when substantial endwise force is applied thereto, and means for pulling said member endwise when solidly embedded in the ice so as to stretch said lateral bulges in successive order along the length of said member and thereby loosen the ice blocks in successive order along the length of said grid.

2,496,134

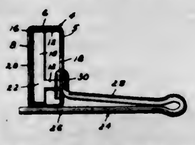
GAS FLOW INDICATOR

Frank P. Scully, Cambridge, Mass., assignor to Scully Signal Company, Cambridge, Mass., a corporation

Application April 9, 1947, Serial No. 740,400
6 Claims. (Cl. 116—112)

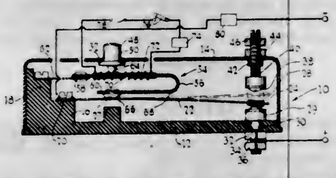
1. A whistle assembly adapted to be inserted and releasably secured within the end of an open

tube comprising, in combination, a button type whistle and means for detachably securing said whistle within said tube at right angles to the longitudinal axis of said tube, said means com-



prising an elongated U-shaped clip with one leg of said clip substantially parallel to the axis of said whistle and lying exteriorly of the whistle circumference, and the other leg of said clip being attached to said whistle.

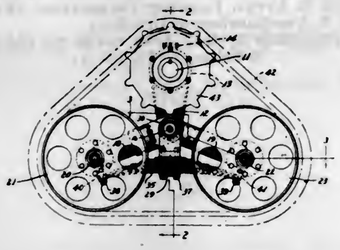
2,496,135
ELECTRIC MOMENTARY SWITCH
Ira M. Sedwitz, New York, N. Y.
Application August 7, 1945, Serial No. 609,404
2 Claims. (Cl. 200—122)



1. An electric momentary switch comprising a stationary contact, an electrically conductive snap strip which, when a certain area thereof is transversely shifted to a sufficient extent, will suddenly change the disposition of a portion of the strip from idle to operated position or vice versa, said strip being constructed and arranged to bias said portion to idle position, a second contact carried by said strip at said portion, said contacts being engaged in one said position of the strip and disengaged in the other said position, an actuator, a U-shaped bimetallic member movable by said actuator and disposed to press against said area when the actuator is moved from idle to operative position, said member having a leg beneath and in contact with the actuator and a leg over and in contact with the said area, said member being so constructed that it will warp to reduce the distance between its two legs upon being heated, the distance between the two legs of said member being so short at a certain temperature that when the actuator is moved to its operating position it cannot push said area through said member far enough to operate said snap strip, the distance between the two legs of said member being great enough if its temperature does not reach said certain value to permit said actuator to push said area through said member far enough to operate said snap strip when said actuator is moved to operating position.

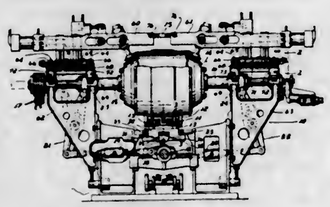
2,496,136
UNDERCARRIAGE FOR SELF-LAYING TRACK TYPE VEHICLES
Robert W. Smith, Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 2, 1948, Serial No. 184
5 Claims. (Cl. 305—9)

1. An undercarriage for a self-laying half track type vehicle having an axle shaft, said undercarriage comprising arms pivotally mounted for movement independent of each other on said vehicle at a position below and substantially in vertical alignment with said axle shaft with the vehicle resting on a level surface, one arm extending forwardly and downwardly from its pivotal mounting, the other arm extending rearwardly and downwardly from its pivotal mounting, each arm having a bogie wheel rotatably mounted thereon, a driving wheel on said shaft



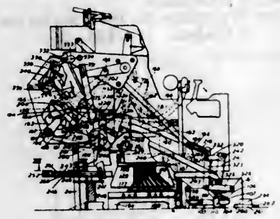
for driving a track engaged about said bogie wheels and driving wheel, the bogie wheels on said arms and the driving wheel on said shaft comprising a triangularly arranged group constituting the sole contact of the vehicle with the track, and spring means connecting said arms for resiliently modifying movement of one arm upon movement of the other arm said arms and said spring means being pivotally movable as a unit about the pivotal mounting.

2,496,137
TIRE BUILDING MACHINE
Frank S. Sternad, Cuyahoga Falls, and John P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 18, 1947, Serial No. 755,382
6 Claims. (Cl. 154—9)



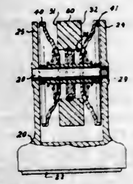
1. Apparatus for building tires, said apparatus comprising a series of chucking means each having opposed chucking spindles, a conveyor for carrying tire-building drums along the apparatus to and from said spindles, means for guiding a reach of said conveyor with relation to the axes of said spindles, and means for adjusting the elevation of the guiding means and with it the said reach of the conveyor with relation to the elevation of said spindles, said adjusting means comprising adjustable members along said conveyor, and means for adjusting said members in unison.

2,496,138
RECORD CARD CONTROLLED STATISTICAL MACHINE
Arthur Thomas, Wallington, and Alfred Herrmann Gausden, Chipstead, England, assignors to Powers-Samas Accounting Machines Limited, a British company
Application March 28, 1945, Serial No. 585,250
In Great Britain March 30, 1944
13 Claims. (Cl. 235—61.6)



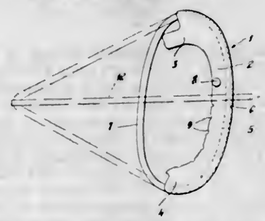
2. In a record card controlled machine having an accumulator, means for sensing a record card, means for transmitting the items sensed in individual sections of a card to said accumulator, and total taking control mechanism for causing said accumulator to yield its total, the combination of selecting means for successively enabling, in a selected order, a plurality of the total number of corresponding sections of said transmitting means, means operative under the control of said selecting means to initiate an operation of the total taking control mechanism immediately the last of said selected sections has been enabled, normally inoperative card feeding means, a normally closed card stop, means operative under the control of the total taking control mechanism to open said card stop momentarily to release the sensed card after the last of said selected sections has been enabled, and means also operative under the control of the total taking mechanism to render the card feeding means operative to feed a new card after the re-closure of said card stop.

2,496,139
WET GRINDING KNIFE SHARPENER
Ethan W. Vars, Duncannon, Pa., assignor, by mesne assignments, to The Aldon Products Company, Duncannon, Pa., a corporation of Pennsylvania
Application July 16, 1947, Serial No. 761,225
11 Claims. (Cl. 51—210)



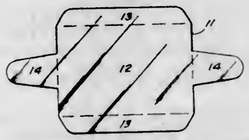
1. In a knife sharpener, in combination, a casing having spaced side members; a shaft held by and extending between said side members; an abrasive wheel mounted on said shaft for rotation between the side members, said wheel having a circular recess, coaxial with said shaft; a knife guide having a small end portion and a rim portion, rotatably mounted on said shaft, the small end having a hole therein of a diameter large enough through which said shaft protrudes, so that said guide may be wobbled on said shaft the small end entering said recess so the side of the guide rests against the peripheral edge of the recess, said guide having a circumferential circle of holes extending therearound at its points of contact with the wheel for aiding in removing cutting debris, and means resiliently holding such guide against the associated recess in the wheel.

2,496,140
RIGID ARCHERY BOW HAVING AN ELASTIC STRING
George Virneburg, New York, N. Y.
Application April 19, 1947, Serial No. 742,633
1 Claim. (Cl. 124—22)



An archery device comprising a non-resilient bow-shaped implement whose end portions are curved at a smaller radius than its main portion and which is provided with a longitudinal groove extending entirely over its outwardly curved front side, a pin which is gradually reduced in diameter toward its longitudinal center being laterally extended from the main portion of said implement above its center, and an endless resilient string being partially embedded and freely slidable in said groove and extended loosely beyond the back of said implement, that main portion section which is beneath said pin being intended as a handle section and provided with notches at its inner side.

2,496,141
POCKETED PHOTOGRAPHIC MOUNT
Joseph S. Abrams, Montreal, Quebec, Canada
Application June 18, 1945, Serial No. 600,178
1 Claim. (Cl. 40—158)



A combined article holder and mounting device consisting of a relatively stiff wrinkle-resistant sheet of material having a portion thereof transparent and in the general shape of a rectangle, said sheet having an article holding flap integral with and extending from each side of the rectangular portion, the stiffness of the material being such that the flaps will substantially resist returning to an open position after they have been folded on a face of the rectangular portion, and mounting tongues integral with and extending from each end of the said rectangular portion, said tongues having rounded ends and being tapered toward said rounded ends and folded on the same face of the rectangular portion as said flaps, said flaps and tongues being proportioned such that each flap and each tongue is clear of each

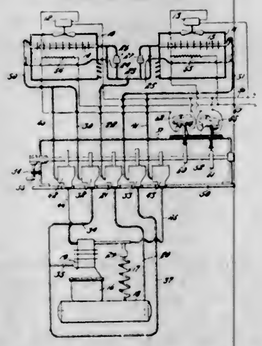
other and of the other flap and tongue when all the flaps and tongues are in their said folded positions.

2,496,142
WATERPROOF FOOT COVERING WITH TONGUE EXTENSION
Sylvia Aroeste, New York, N. Y.
Application September 7, 1946, Serial No. 695,443
2 Claims. (Cl. 36—10)



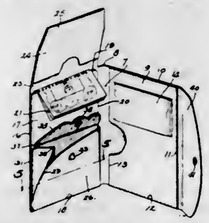
1. In a protective sheath having a one-piece waterproof body to be worn over the human foot within a shoe having a front ornament and an opening in the toe area at the front of the shoe, means for covering the ornament to protect the same during inclement weather, comprising an elongated flexible tongue continuing from the top edge of the body for extension forward across the top of the shoe at the front thereof, said tongue being formed intermediate of its length with an enlarged portion for engagement over the ornament, said tongue being of a length to be extended forward over the front of the shoe with said enlarged portion extending over the ornament and with its free end tucked into the opening in the toe area of the shoe.

2,496,143
REFRIGERATION APPARATUS
Sigurd Mattias Bäckström, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application December 1, 1943, Serial No. 512,431
In Sweden January 26, 1943
24 Claims. (Cl. 62—3)



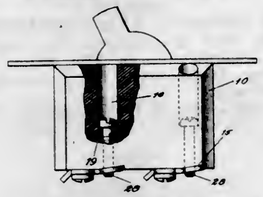
1. A refrigerating system comprising a number of parts including a compressor, a condenser, an evaporator, means including a conduit connecting said condenser and said evaporator for conducting liquid refrigerant to said evaporator, means including a conduit connecting said evaporator and said compressor for conducting cold refrigerant vapor to said compressor, means including a conduit connecting said compressor and said evaporator for conducting hot refrigerant vapor to said evaporator, a control means in each of said conduits, and regulating means having only a single manually operable control member for substantially simultaneously actuating all of said control means.

2,496,144
COMBINATION BILLFOLD, MEMORANDUM PAD, AND PURSE
Howard A. Bauman, West Bend, Wis., assignor to Enger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application September 20, 1947, Serial No. 775,325
6 Claims. (Cl. 150—35)



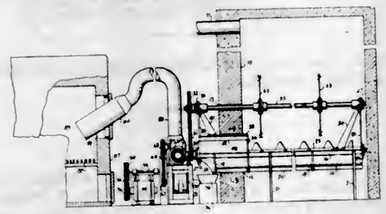
1. In a billfold of leather or the like, the combination with panels interconnected along a common edge to provide a billfold compartment and a coin purse compartment having openings at different distances from said common edge, of a flap closure for the coin purse compartment having a fixed marginal anchorage to the billfold along a line within the coin purse compartment whereby to provide a shallow pocket between the billfold compartment and said flap, and a closure flap for the billfold compartment having a free end portion detachably engaged in said pocket.

2,496,145
WIRE TERMINAL MOUNTING
Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application February 5, 1948, Serial No. 6,418
4 Claims. (Cl. 173—324)



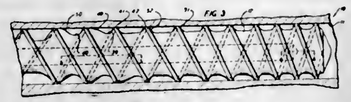
2. In combination, an insulating base, a stamped sheet metal electrical member having a portion lying upon the surface of the base, a leg extending from said portion, said base being formed to locate the part thereof under said leg in a different plane than the part of the base on which said first mention portion lies, a securing bolt passing through the base and threading into an aperture in said leg and causing said leg to bend toward the base, the axis of said bolt being normal to said leg before the bending of said leg whereby said bending causes binding of said bolt within said screw threaded aperture, said electrical member having a second portion engaging the base at a point spaced from the first-mentioned portion and so located in reference thereto as to support said member at two places during the bending of said leg.

2,496,146
WOOD WASTE DISPOSAL APPARATUS
Guy A. Boughman, Lenoir, N. C., assignor, by direct and mesne assignments, to Boughman Machine Company, Lenoir, N. C., a corporation of North Carolina
Application November 14, 1946, Serial No. 709,811
4 Claims. (Cl. 302—50)



1. Apparatus for conveying wood waste comprising a conduit having an open intake end and having the suction side of a suction blower fan connected to its other end, said fan having one end of a discharge conduit connected to the output side of the fan, the other end of the discharge conduit having a diameter greater than that of the other portions of the discharge conduit, said conduit having a vane pivoted therein at one of its ends on a transverse horizontal pivot and so mounted that its free end is allowed to rest by gravity on the wood waste on the bottom of the conduit for regulating the amount of vacuum in the conduit.

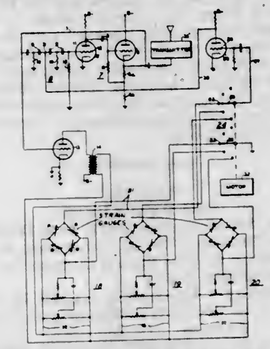
2,496,147
APPARATUS FOR ADVANCING AND WORKING PLASTIC MATERIAL
Samuel E. Brillhart, Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1946, Serial No. 709,536
6 Claims. (Cl. 18—13)



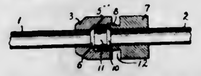
1. An apparatus for advancing and working plastic material, which comprises a member mounted rotatably in a bore and having a continuous thread extending helically substantially from one end of the member to the other end thereof, a portion of said thread intermediate of the ends thereof having a delivery pitch and also having a convex leading face.

2,496,148
FREQUENCY MODULATOR AND TIME DIVISION MULTIPLEX SYSTEM
Robert S. Butts, Arlington, Va., assignor to Melpar, Inc., Alexandria, Va.
Application September 29, 1948, Serial No. 51,674
9 Claims. (Cl. 177—351)

1. In a frequency modulation system, an oscillator comprising an electronic vacuum amplifier tube having an anode and a control electrode, said oscillator oscillating normally at a frequency such that an alternating voltage at said anode is of opposite phase to an alternating voltage at said grid, first and second paths for applying a plurality of alternating voltages from said anode to said grid, said last mentioned alternating voltages being mutually phase displaced at said grid, and means for modulating the amplitude of one of said last mentioned voltages.

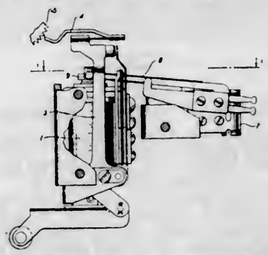


2,496,149
COUPLER
Martin T. Cahenzli, Jr., Chicago, Ill., assignor to The Harry Alter Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1946, Serial No. 686,555
4 Claims. (Cl. 285—126)



1. In a coupling arrangement, a female fitting, a male fitting, one of said fittings having a socket for the reception of a cylindrical gasket, and a gasket in said socket, each of said fittings having an internal bore obliquely expanded to seat the flared end of a conduit, said gasket receiving socket being entirely inward of the respective conduit seat and said gasket abutting both such flared ends when the fittings are connected.

2,496,150
RECORD SCANNER WITH MEANS TO PREVENT FALSE OPERATION
Warren W. Carpenter, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1947, Serial No. 788,449
4 Claims. (Cl. 177—380)



1. In a record scanner, a plurality of scanning elements, means for periodically and continuous-

ly reciprocating said elements, means for moving a record to bring a representation of recorded matter in the path of said scanning elements, an advance magnet for controlling the advance of said record from one representation to another, advance means rendered operative on the release of said advance magnet and a stop magnet for blocking said advance means when said advance magnet is released, whereby a false advance of a record may be prevented when said scanner is stopped and said advance magnet is released as a consequence thereof.

2,496,151
AZO DYESTUFFS
Charles R. Dawson, New York, and David Wasserman, Brooklyn, N. Y., assignors, by mesne assignments, to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application August 14, 1946, Serial No. 690,596
1 Claim. (Cl. 260—206)

An azo compound being diazotized 4-amino-3-pentadecyl phenol coupled with 3-pentadecyl phenol.

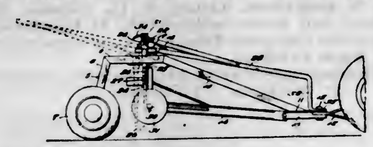
2,496,152
CONVERTIBLE FEATURES FOR STUFFED DOLLS AND ANIMALS
Ann Kazimir Dvorak, New York, N. Y.
Application March 21, 1945, Serial No. 583,969
6 Claims. (Cl. 46—135)



1. A movable feature for a doll or the like, comprising a body member having a wall, a stem rotatively and axially slidably extended through said wall of said body member, a flange formed on the inner end of said stem, a button formed on the outer end of said stem, a feature member releasably mounted on the front face of said button, prongs formed on the back face of said button and engageable with the front face of said wall for holding said stem and in turn said feature member against rotating, and resilient means operating between said flange and the adjacent face of said wall urging said stem and in turn said button into a position in which said prongs on said button will engage the face of said wall, whereby said button may be gripped and used to pull said stem axially forward to disengage said prongs from the front face of said body member freeing said stem to be rotated to turn said feature member into a different rotative position.

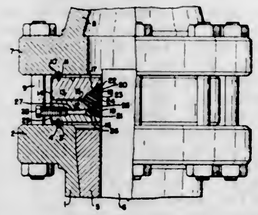
2,496,153
HARROW ELEVATING AND TRANSPORTING TRAILER
John Eaves, Jr., and James C. Jones, Bremen, Ga.
Application February 19, 1946, Serial No. 648,639
3 Claims. (Cl. 214—65.3)

1. A trailer comprising a wheeled frame engageable with a towing vehicle, a crank shaft journalled transversely of the frame and including a crank portion, an object engaging hook carried by the crank portion of the shaft for raising and lowering movement by the shaft, a lever attached to the crank shaft for manually operating the shaft, and means removably securing the



lever to the frame for normally holding the hook in a raised position.

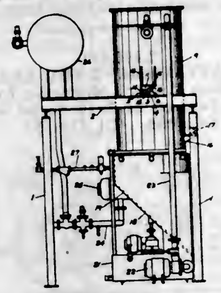
2,496,154
PACKOFF
George F. Fermier, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation of Texas
Application February 14, 1947, Serial No. 728,631
8 Claims. (Cl. 285—22)



1. A seal assembly having an opening therethrough and adapted to provide a sealed engagement about a member passing through said opening, said assembly comprising a pair of opposed relatively hard and rigid parts having registering openings therethrough to receive such member, said parts having their adjacent edges surrounding said openings cut away, whereby the adjacent cut away edges of said parts together form a groove facing toward and surrounding said opening, a packing comprising a single ring of relatively soft material flowable under pressure disposed in and conforming to said groove and, prior to distortion, having an opening substantially registering with the openings in said parts and dimensions such as to space said parts from each other, a support in the form of a ring of relatively hard, stiff material having a radially inwardly opening groove throughout its inner periphery embedded in said packing ring to provide an inwardly opening groove dividing the inner surface of said packing ring intermediate its ends, and said packing ring and one of said body parts having communicating passageways therein providing communication between said groove and the exterior of the assembly.

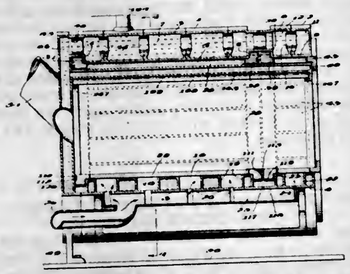
2,496,155
TUBE ICE MACHINE
Archie P. Fulkerson, Louisville, Ky., assignor to Henry Vogt Machine Company, Louisville, Ky., a corporation of Kentucky
Application May 13, 1948, Serial No. 26,822
3 Claims. (Cl. 62—105)

1. In a tube ice machine: a frame; an upright tube type freezer unit pivotally carried by said frame; a bottom assembly including a water reservoir and ice breaker below the freezer unit and removably secured thereto; and piping removably connected to said water reservoir and freezer unit, whereby upon removal of said piping



and bottom assembly the freezer unit is free to pivot to an inclined position.

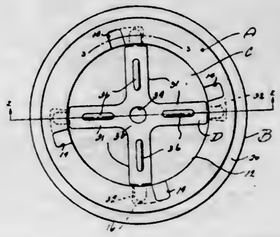
2,496,156
ROTARY-TYPE BURNER FOR SOLID FUELS
Weston M. Fulton, Knoxville, Tenn.; Barbara S. Fulton, John H. Murrian, and Robert W. Fulton, executors of said Weston M. Fulton, deceased, assignors to W. J. Savage Company, Knoxville, Tenn., a corporation of Tennessee
Application July 27, 1944, Serial No. 546,771
19 Claims. (Cl. 110—35)



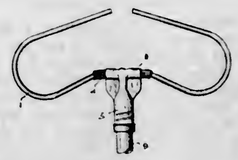
1. In a burner of the character described, the combination of an annular structure extending about an approximately horizontal axis and including an inner surface and having means for circulating a cooling medium in heat exchange relation with said inner surface, rotary grates extending lengthwise of the axis of said annular structure throughout the major portion of the length thereof and mounted for movement through an orbit for supporting the fuel bed on the grates in the lower portion of the orbit, and means for turning said grates in bearing relation with said inner surface.

2,496,157
COASTER
Orlando Alboeno Gaudino, United States Army, Butler, Pa.
Application May 12, 1945, Serial No. 593,356
1 Claim. (Cl. 65—53)

A coaster for the purpose defined comprising a base having an open top chamber therein with bayonet slots opening on the top surface of said base, a spider including a hub and arms radiating therefrom, studs on the ends of said arms for detachable connection with the the bayonet slots of said base for supporting said spider in spaced relation above the bottom of the chamber and within the chamber, the arms of the spider being provided with receptacle supporting projections extending upwardly from the upper surfaces thereof.



2,496,158
SPRING TENSION CONNECTION FOR SECURING MOP HEADS TO HANDLES
Nathaniel B. Greenleaf, Toronto, Ontario, Canada, assignor to Suprasol Limited, Toronto, Ontario, Canada
Application May 1, 1946, Serial No. 666,321
3 Claims. (Cl. 306—2)

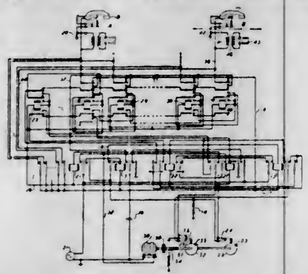


1. In a mop, a wire frame for holding the mop, a flexible coiled wire spring encircling and gripping a portion of the frame, said frame being bent adjacent the ends of said spring, the ends of said spring extending around said bends in the frame and having the coils thereof compressed on the inside of said bends holding the spring in firm frictional engagement with said frame, a holder, and gripping means carried by said holder to grip said wire spring and to hold same securely against rotation, said frame being indefinitely held in adjusted position against rotation in said spring during normal handling but being rotatable in said spring upon application of force to move the frame to a new adjusted position at any desired angle relative the holder.

2,496,159
TELEPHONE SYSTEM
Herbert H. Hagens, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1947, Serial No. 789,817
7 Claims. (Cl. 179—37)

1. In a telephone system, telephone stations having switchhook-controlled contacts thereat, means responsive to the operation of said contacts at one of said stations in accordance with a particular code for preparing a signaling circuit to another of said stations, and time meas-

uring means for delaying the completion of the signaling circuit for a predetermined interval of



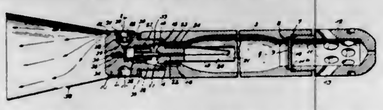
time following the operation of said contacts in accordance with the said code.

2,496,160

HAND FIRE EXTINGUISHER

James C. Hesson, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application July 31, 1945, Serial No. 607,933
3 Claims. (Cl. 169—30)



1. In a hand fire extinguisher, a body chambered to receive a charge of carbon dioxide, a charging plug closing one end of the chambered body, said charging plug having a passageway therethrough which has its outer end opening through a side face of the plug, and a valve positioned in said outer end of the passageway for opening and closing the latter to control the flow of carbon dioxide therethrough, of a carbon dioxide flow directing discharge nozzle fitted over the charging plug to provide clearance between the nozzle and the plug opposite the valve and exposing the said valve, whereby the valve may be unseated to allow carbon dioxide to flow into the discharge nozzle from the chamber of the body.

2,496,161

ELECTRIC HEATER FOR WINDSCREENS AND WINDOWS

Cecil Robert Hopkins, Glasgow, Scotland

Application September 18, 1946, Serial No. 697,700
1 Claim. (Cl. 219—19)



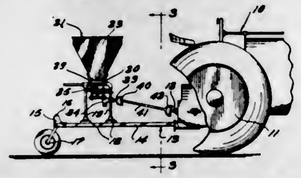
A heater of the type stated comprising a casing consisting of a plurality of parts in telescopic relationship, which parts are extensible to vary the effective heating length of the casing, means limiting the extent of extensibility of said parts, a slot in each of said parts providing a continuous open passage extending lengthwise of the casing, and a heating element arranged in said casing alongside said passage and consisting of a ribbon-like resistance close-coiled so that the adjacent convolutions come sufficiently close to one another to radiate effectively on one another and thus provide a source of concentrated heat which acts through said passage to maintain a heating zone along the exterior thereof.

2,496,162

SEEDER ATTACHMENT FOR TRACTORS

William V. Hurt, Monrovia, Ind.

Application January 21, 1946, Serial No. 642,567
2 Claims. (Cl. 275—8)



1. In a seeder attachment for a tractor, a frame adapted to be attached to a tractor, a caster wheel supporting the rear end of the frame, a pair of longitudinally spaced bolsters supported on the frame, standards rising from the bolsters near opposite ends thereof, spaced parallel supporting bars at the upper ends of the standards, a hopper supported on said bars, said hopper having a pair of spaced discharge openings in its bottom, a platform suspended from the hopper, a pair of rectangular diagonally ribbed distributor plates rotatably mounted on the platform one beneath each discharge opening, a horizontally disposed plate driving pulley beneath each place, a drive belt having driving connection with each pulley, a horizontally disposed drive pulley engaging the belt between the plate driving pulleys and means establishing driving connection between the drive pulley and the power take-off of a tractor whereby the plates will be rotated in unison.

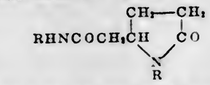
2,496,163

SYNTHESIS OF A 2-SUBSTITUTED-5-OXOPYRROLIDINE

Henning Waldemar Jacobson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 30, 1948, Serial No. 18,069
10 Claims. (Cl. 260—313)

1. Process for the preparation of a 2-substituted-5-oxopyrrolidine of the formula



where R is an alkyl radical which comprises heating the neutral beta-hydromuconate of a primary alkylamine at a temperature within the range 150° C. to 250° C. but below the temperature of decomposition of the pyrrolidine and removing the 2-substituted-5-oxopyrrolidine formed.

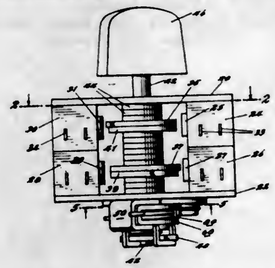
2,496,164

SEQUENCE SWITCH DEVICE

David W. Johnson, New Britain, Conn., assignor to The Arrow-Hart & Hegemann Electric Company, Hartford, Conn., a corporation of Connecticut

Application April 1, 1946, Serial No. 658,621
16 Claims. (Cl. 200—5)

3. An electric switch comprising a rotary spindle, a plurality of switch contacts operated in predetermined sequence as said spindle is turned, means to manually operate said spindle, means tending to maintain said spindle in a stationary position and tending to return said spindle to said position during the continuance of said se-



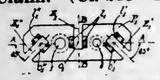
quential operation, and latching means released upon the completion of said sequential operation of said plurality of contacts and thereupon permitting maintaining means to move into a new sequence-completed position for maintaining said spindle in said new position.

2,496,165

TELESCOPIC STAND FOR PHOTOGRAPHIC CAMERAS

Madeleine Dupeyron, nee Junca, Paris, France

Application August 30, 1946, Serial No. 693,981
In France November 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 6, 1964
1 Claim. (Cl. 248—191)



In a camera tripod an elongated tripod head composed of two elongated superimposed tripod head plates; one middle and two side pairs of corresponding recesses in the facing surfaces of said elongated superimposed tripod head plates, said middle pair of corresponding recesses arranged substantially in direction of the longitudinal axis of the same and each of said two side pairs of corresponding recesses arranged near one of the ends of said elongated tripod head forming an angle of between 45 and 60 degrees with said longitudinal axis of said elongated tripod head; three pivoting pins each arranged in one of said pairs of recesses; three slots in said elongated tripod head extending normal to said facing surfaces of said elongated superimposed tripod head plates and each of said slots passing through one of said pairs of corresponding recesses normal to the axis thereof; three attaching means for the tripod legs each arranged in one of said slots attached to the corresponding pivot pin turnably about at least 180 degress; and means for holding said superimposed elongated tripod head plates together.

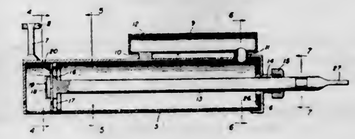
2,496,166

DOOR CHECK AND CLOSER

Martin W. Keller, Pine Bluff, Ark., assignor of thirty-three and one-third per cent to Ben Pearson and thirty-three and one-third per cent to Shaffer Haley, both of Pine Bluff, Ark.

Application August 11, 1947, Serial No. 767,914
4 Claims. (Cl. 16—57)

1. A door check comprising a cylinder having a piston working therein, said cylinder being attached at one end to a stationary structure and said piston including a piston rod projecting from an opposite end of the cylinder and attached to a door, said piston having an opening therethrough for the passage of fluid in the cylinder from one end to the other during movement of the piston, and means carried by the piston to



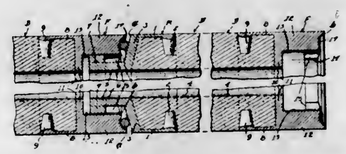
retard the fluid during movement of the piston in one direction, said means comprising a check plate having an opening therein of a size relatively smaller than that of the opening in the piston and movable into and out of position at one side of the piston during opposite movements of the piston and a cage carried by the piston for the check plate.

2,496,167

PIPE COUPLING

Charles E. Knox, Jr., Enid, Okla.

Application May 10, 1948, Serial No. 26,151
4 Claims. (Cl. 285—112)



1. In combination with a pipe body molded from initially plastic material, coupling members carried by opposite end portions thereof, one member being male and the other female, each of the members comprising a sleeve snugly surrounding an end portion of the pipe body, inwardly disposed anchoring members carried by the sleeve for embedment in the pipe body, an inwardly extending continuous flange at the outer portion of the sleeve and overlying the end face of the pipe body, a cuff extending axially from the flange, the cuff of the male member being at the inner marginal portion of the flange, the cuff of the female member being at the outer peripheral portion of the flange and of an internal diameter to receive the cuff of a male member, and means carried by each of the cuffs for coaction with an associated cuff to hold the same against separation.

2,496,168

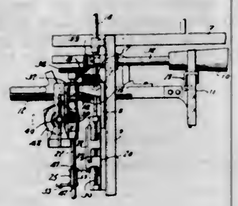
TWO-PIECE DOUBLE DOG FOR ROVING MACHINES

William Franklin Lee and William Otto Junker, Spartanburg, S. C.; said Lee assignor to said Junker

Application March 18, 1948, Serial No. 15,668
7 Claims. (Cl. 57—96)

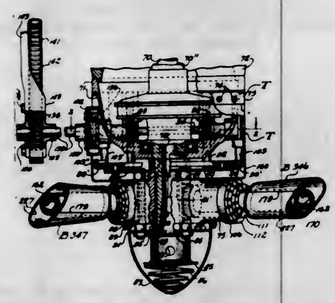
1. In a textile roving frame the combination

of a builder shaft having a portion provided with opposite ribs, a dog composed of separable sec-



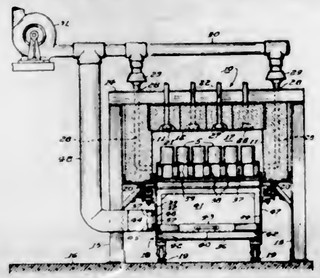
tions, each clampingly engaging said ribs when said sections are connected.

2,496,169
VARIABLE PITCH PROPELLER
Emil R. Lochman, Milwaukee, Wis.
Original application August 8, 1942, Serial No. 454,146. Divided and this application August 24, 1944, Serial No. 550,924
6 Claims. (Cl. 170—160.43)



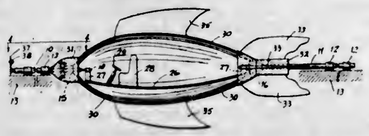
4. In a device of the character described, the combination with a propeller shaft, of a propeller hub mounted on said shaft and provided with rack bores generally paralleling said shaft and with blade sockets intersecting said rack bores, blade shanks in the respective sockets provided with pinions at said rack bores, racks in the rack bores meshing with the blade pinions, an annular pressure plate connecting the respective racks immediately behind said hub, said pressure plate being rotatable with said hub and axially with said racks, a driving annulus for said pressure plate having peripheral bearing connection therewith, said annulus being reciprocable along the axis of said shaft and fixed against rotation, a set of racks distributed about said shaft and engaged with said annulus, cross shafts disposed at opposite sides of the propeller shaft and provided with pinions with which the racks last mentioned are in mesh, a gear train connecting said cross shafts for concurrent rotation, whereby simultaneously to advance and retract the last mentioned racks, thereby advancing and retracting said annulus and said pressure plate during pressure plate rotation, and driving connections for said cross shafts and gear train.

2,496,170
METHOD OF PRODUCING INVESTMENT MOLDS
Carl P. Mann, Riverton, N. J., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application August 11, 1944, Serial No. 548,993
2 Claims. (Cl. 22—196)



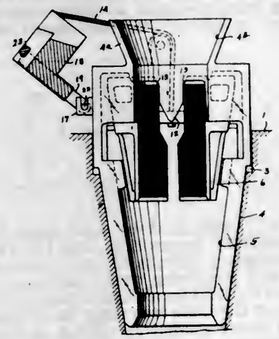
2. In the art of removing wax from investments having cavities opening to exterior surfaces thereof, such wax being held in the cavities and convertible from a solid to a fluid state by heating, the improvement which comprises moving a group of investments through a heating space, heating the investments as they are moving through said heating space by subjecting them to a high temperature source of heat above the melting point of the wax, flowing the melted wax through the openings in the investments downwardly in a path of flow which is out of physical contact with the heating space and includes a second space below and separated from the heating space by a wall, producing a suction effect in said second space to maintain a pressure therein lower than the pressure in said heating space, and controlling the heating of the investments by regulating the heat source at different zones in said heating space.

2,496,171
TRANSPARENT-EFFECT DISPLAY
George H. Messmore, New York, N. Y.
Application November 16, 1946, Serial No. 710,282
4 Claims. (Cl. 40—126)



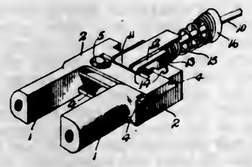
1. A transparent-effect display, comprising a pair of axially spaced and aligned rods, means for turnably supporting said rods, tubular members rotatively mounted on said rods, spaced strips mounted between said tubular members and spaced from each other and extending longitudinally and radially away from said tubular members in order to form a transparent-effect body when said tubular members rotate, means for driving at least one of said tubular members, a display support mounted on at least one of said rods and located in the vicinity between said spaced strips in order to be positioned within said transparent-effect body, and means for moving said rod with said display support for moving said display support within said transparent-effect body.

2,496,172
PIPE HOLDING SLIP
William L. Pearce, Houston, Tex.
Application December 5, 1945, Serial No. 632,889
3 Claims. (Cl. 24—263)



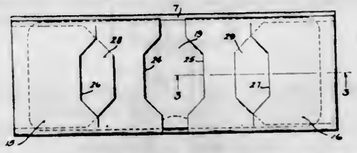
3. In a slip for suspending pipe, and the like, in a well; a tubular housing adapted to fit into a downwardly tapering seat of a drive bushing, sheaves mounted on the housing, one on each side, U-shaped brackets fixed on corresponding sides of the housing near the upper end of the housing, a counter-balancing weight between the brackets having depending spaced arms fixed thereto, inwardly turned spindles carried by the arms and working in said brackets whereby the weight may be pivotally supported in upright position, a grip member on the weight, cables secured at one end to the weight and working over said sheaves and whose other ends extend down into the housing to be connected to pipe-engaging means therein, a yoke comprising side arms which embrace the housing and are pivotally mounted, at one end, on opposides of the housing, a common grip member mounted on the forward ends of the yoke arms, the pivoted ends of the arms being upturned and said upturned portions being rearwardly turned and resting against the corresponding weight arms.

2,496,173
ADJUSTABLE APPLIANCE PLUG
Chad A. Peebles, Newaygo, Mich.
Application June 1, 1948, Serial No. 30,265
5 Claims. (Cl. 173—332)



1. An adjustable appliance plug comprising, two identical members each having a finger with a longitudinal passage, an integral head at one end of the finger and an integral arm extending laterally from said head, said arm being offset from the central longitudinal plane of said finger, and said head having a guide slot therein offset at the side opposite said offset arm and shaped to receive and slideably guide the arm of the other member whereby two of said members may be positioned with said fingers in parallel relation to each other and said arms spaced from each other and slideably guided to adjust the fingers toward or away from each other and maintain them in parallel relation, releasable means for securing said members in any position to which adjusted, post receiving sockets of electroconductive material located lengthwise of the longitudinal passages in said fingers, and circuit wires connected one to each of said posts.

2,496,174
END CLOSURE MEANS FOR BILLFOLDS
William A. Pence, Adell, Wis., assignor to Enger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application November 29, 1944, Serial No. 565,632
7 Claims. (Cl. 150—38)



1. In a bill fold having a cover defining a wall of a main billfold pocket and separate bottom marginal flaps individually connected with the cover and respectively folded upon the cover to comprise mutually spaced inner wall sections, the combination therewith of a flap connected to the end of an inner wall section and extending exteriorly about the end of the cover as a closure for the end of the billfold and provided with mechanical interlocking means connecting it with the outer face of the cover, said inner wall sections being provided with a plurality of pockets.

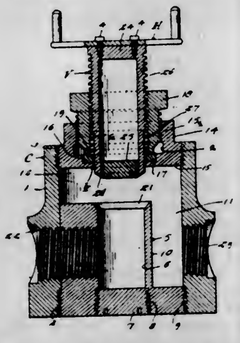
2,496,175
STOMA RECEIVER
Murle Ferry, Minneapolis, Minn.
Application June 21, 1946, Serial No. 678,515
8 Claims. (Cl. 128—283)



1. A stoma receiver comprising an inner casing section of circular shape and having at its outer edge a grooved flange, said inner casing member also having an opening therethrough adapted to be placed in communication with a stoma, an outer casing section of somewhat greater than semi-circular formation in front elevation and having at its arcuate periphery a grooved flange adapted to be releasably interlocked with the grooved flange of said inner casing section, said outer casing section bowing out-

wardly from said inner casing section in spaced relation from said opening, means surrounding said opening and formed on said inner casing section at its outer side for securing a bag mouth thereto, said outer casing section terminating short of the lower portion of said inner casing section to form a slot into the casing, and a flexible bag projecting from below said casing members through said slot and having a releasable mouth engageable with said bag mouth engaging means.

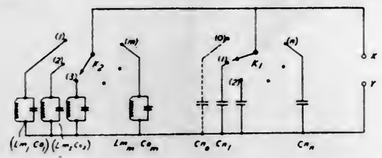
2,496,176
VALVE
George V. Powers, Great Bend, Kans.
Application December 22, 1944, Serial No. 569,362
5 Claims. (Cl. 251—50)



1. A valve comprising a tubular member initially open at both ends, a tubular seat block initially open at both ends tightly fitting within one end portion of the tubular member, a plug for closing the outer end of the bore of the seat block, the inserted end portion of the block having a peripheral part cut away to provide an interior passageway, the tubular member and the block having an inlet opening therethrough communicating with the bore of the block, said tubular member having a second port in communication with the passageway, a tubular plug for the second end portion of the bore of the tubular member, the outer portion of the bore of said plug being enlarged, packing within the enlarged portion of the bore, a packing nut threading into said enlarged portion of the bore of the second plug for coaction with the packing, and an elongated valve member threading through the packing nut for coaction with the inner end of the bore of the seat block for controlling flow through the valve.

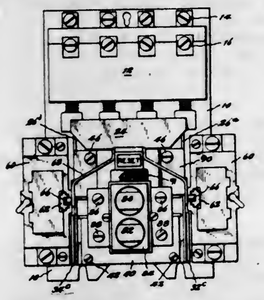
2,496,177
FREQUENCY DETERMINING CIRCUITS
Claude Langdon Richards and Edward James Glaisher, London, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 30, 1947, Serial No. 764,885
In Great Britain February 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 1, 1965
4 Claims. (Cl. 250—40)

1. A resonant circuit arrangement comprising a plurality of tuned oscillatory circuits each having a given resonant frequency, said resonant frequencies consecutively interspersed by a substantially equal band of frequencies, a pair of terminals, first switching means to connect the said plurality of tuned oscillatory circuits to the said terminals selectively, a plurality of impedance elements, second switching means to couple the said impedance elements selectively to the said tuned oscillatory circuits, said impedance elements having values at which the resonant frequency of one of the said tuned oscillatory



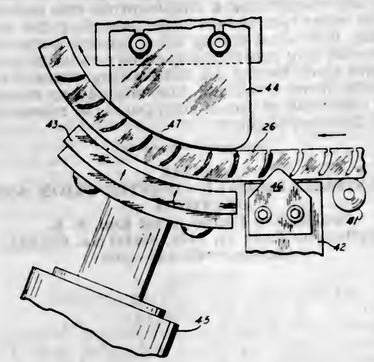
circuits is varied in steps, said steps having a given frequency bandwidth, and the remaining tuned oscillatory circuits having values at which each of said remaining tuned oscillatory circuits coupled to the said impedance elements have step variation of the same frequency bandwidth as the first said tuned oscillatory circuit at two of the step positions.

2,496,178
ELECTROMAGNETIC SWITCH
Harold E. Schleicher, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Original application March 24, 1941, Serial No. 385,024. Divided and this application November 30, 1945, Serial No. 632,025
6 Claims. (Cl. 175—335)



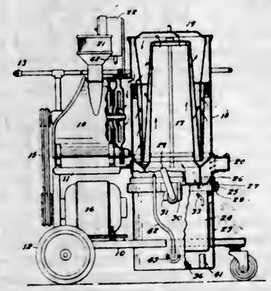
1. In an electromagnetic switch device, a support comprising back and side members, an electromagnet comprising a field piece, a coil and an armature, said field piece being mounted on said support and said armature being guided in movement by said support, a pair of control relays mounted beside said side members on opposite sides of the device, means connecting the relays and coil whereby the relays act to control the operation of said electromagnet, said relays having resetting members extending therefrom, a mounting plate over said electromagnet, a spring-biased bridge and resetting button mounted on said mounting plate and engaging said relay resetting members for resetting one or both relays jointly, and means jointly securing said field piece to said side members and said mounting plate on said field piece, whereby on removal of said securing means the electromagnet and its relay resetting assembly are thereupon separable from each other and from said support.

2,496,179
METHOD OF FABRICATING BLOWER WHEELS
Gerald L. Schwarz, Cleveland, Ohio, assignor to Air Controls, Inc., Cleveland, Ohio, a corporation
Application July 12, 1946, Serial No. 683,089
4 Claims. (Cl. 29—156.8)



1. The method of fabricating a blower wheel which comprises the steps of forming a plurality of vanes, punching open arcuate slots in a pair of strips, placing said vanes in successive slots of said strips, each vane having a portion spaced from one end thereof in a slot of one strip and a portion spaced from the other end thereof in a slot of the other strip, bending said strips within the planes thereof to close said slots and secure said vanes simultaneously with curving said strips along the circumference of a circle, and joining the ends of the strip to form vane-securing rings.

2,496,180
LOAD LIMITING COLLECTION APPARATUS
Lester C. Smith, West Hartford, and Wilbur V. Paine, East Hartford, Conn., assignors to The Spencer Turbine Company, West Hartford, Conn., a corporation of Connecticut
Application October 10, 1945, Serial No. 621,496
7 Claims. (Cl. 183—36)



1. Apparatus having an electric motor, vacuum producing means operated by the motor comprising an elevated dust and air separating mechanism including a casing, said casing being open at the bottom and having an inlet adjacent thereto for reception of dust and air, a support separably connected to and suspended from said casing, a dust collecting receptacle removably disposed in said support, a switch within and carried by said support, yieldable means normally maintaining the dust collecting receptacle above the switch and preventing lowering of the latter to actuate the switch in the absence of a predetermined load, separating circuit means for the motor including a separable connection to said support and switch, means detachably connecting the support and casing and comprising track elements on one of them and means on the other slidably engaging said track elements, a device to secure the support and casing together against accidental detachment of the former, and stop means on which the dust receptacle is adapted to rest in lowermost position.

2,496,181
SOAP DISPENSER FOR SHAVING BRUSHES
Alexander H. Stange, Flint, Mich.
Application September 28, 1945, Serial No. 619,073
1 Claim. (Cl. 222—510)



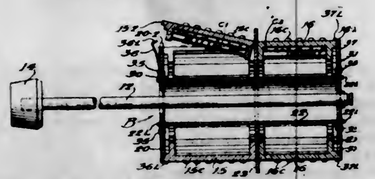
A device of the character described, comprising a tubular handle adapted to contain shaving powder, said handle having an internally threaded shoulder at one end thereof, a conical shaped discharge nozzle at the opposite end thereof, a hexagonally shaped nut having a depending externally threaded portion adapted to be threadably mounted in said shoulder, an outwardly and downwardly inclined flange formed on said nut exteriorly of said handle, a medial recess in said nut, a conical apertured projection in said recess, a valve actuating rod in said projection having a conical shaped valve on the end thereof within said nozzle, a knob on said rod for controlling said valve, a compression spring on said projection engaging said knob to force said valve into closed position, an externally threaded upwardly projecting portion surrounding said recess, a plate on said portion of substantially the same shape as said nut, a second plate on said first plate for holding said first plate in close contact with said nut and a second nut on said second plate engaging said upwardly projecting portion to retain said plate in fixed relation to said first plate, the plates on said nuts decreasing in circumference to permit a better gripping surface for said nut in the removal thereof.

2,496,182
LUGGAGE SECTION END WALL HAVING A PERIPHERAL UNDERCUT GROOVE SECURING A BUFFER STRIP
Wesley S. Sykes, Los Angeles, Calif.
Application August 18, 1945, Serial No. 611,324
2 Claims. (Cl. 190—37)



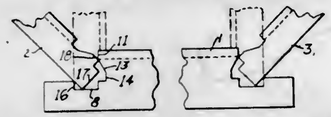
1. In luggage formed of separable sections connected to form a case of generally rectangular form, each case section having a groove formed along the end contour edge thereof whereby said grooves completely encircle each end of the case, the groove in each case section, at each end, being extended partially along the line of parting of the case sections, said grooves each being also formed with an undercut, and an edging strip within each groove and co-extensive therewith, each strip having an edge corresponding in shape to that of the mentioned undercut, each edging strip, at each end, having an inturned extension positioned in the respective mentioned end extensions of the grooves.

2,496,183
CIRCUIT COMPONENT SELECTING UNIT
Edwin P. Thias, Hollywood, and Warren W. White, Altadena, Calif., assignors to Standard Coil Products Co., Inc., Chicago, Ill., a corporation of Illinois
Application July 23, 1948, Serial No. 40,394
10 Claims. (Cl. 171—242)



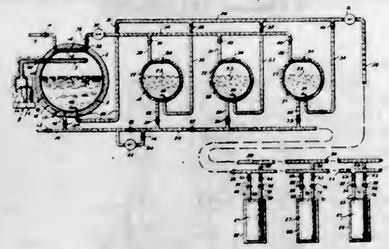
3. In a circuit selecting unit adapted for use as a selector in television or like apparatus, a rotatable switching drum including spaced mounting discs disposed in parallel relation and normal to the axis of the drum, and means for releasably securing a plurality of component-supporting panels in an annular series about said axis and in spanning relation between said discs, said panels each having at least one locating tooth projecting from each end thereof and having shoulders at said ends beside said teeth and facing endwise of the panels, said means comprising slots in one of said discs into which the teeth at one end of such panels may be inserted endwise to engage the adjacent shoulders with said one disc and thereby determine the longitudinal positions of said panels and also to hold such ends against both radial and circumferential displacement, radial lugs about the periphery of the other disc between which lugs the teeth at the other ends of such panels may be moved radially inwardly to dispose said panels in positions parallel to the axis of the drum and with the adjacent shoulders on said panels in engagement with the inner surfaces of said lugs to thereby locate and hold the panels in predetermined longitudinal position relative to the discs, and retaining means for individually engaging and releasably holding such other ends of such panels in position between said lugs and comprising a single spring disc secured to the outer face of said other mounting disc and having individual spring arms formed integrally therewith and projecting generally radially, each of said arms having an interlocking element integrally formed thereon and adapted to engage said other end of one of such panels to releasably hold the same in place.

2,496,184
FURNITURE DRAWER CONSTRUCTION AND METHOD
Paul L. Von Canon, West End, N. C.
Application June 11, 1946, Serial No. 675,937
3 Claims. (Cl. 144—309)



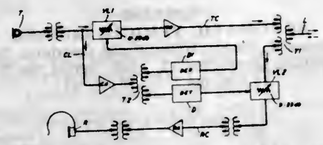
1. The method of constructing furniture drawer frames consisting in forming on the ends of the inner face of a drawer front piece and the inner faces of the contiguous ends of the frame side pieces, shoulders and recesses adapted to interlock upon relative rotary movement of the side pieces toward each other, to bring them into a right angle position on the front piece and subsequently affixing the drawer back piece to the rear ends of said side pieces.

2,496,185
METHOD AND APPARATUS FOR CHARGING VESSELS WITH SOLID CARBON DIOXIDE
Walter W. Voss, Chicago, Charles A. Getz, Glen Ellyn, and James C. Hesson, Chicago, Ill., assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application November 7, 1946, Serial No. 708,376
21 Claims. (Cl. 62—1)



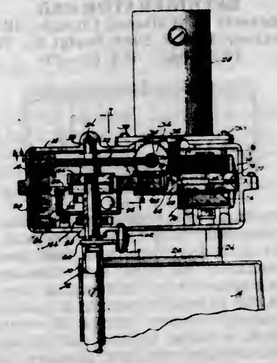
1. The method of charging a plurality of storage vessels with solid carbon dioxide, comprising maintaining a source of supply of liquid carbon dioxide in confinement at a substantially constant sub-ambient temperature and its corresponding vapor pressure, providing a plurality of separate confined masses of solid carbon dioxide, transferring liquid carbon dioxide from said source of supply to only a fractional number of the plurality of storage vessels which are to be charged to fill each of said fractional number of vessels with liquid carbon dioxide, withdrawing carbon dioxide vapor from the filled storage vessels until the pressure therein drops to atmospheric at which time the remaining carbon dioxide has solidified, delivering the withdrawn carbon dioxide vapor to one or more of the places of confinement of the masses of solid carbon dioxide to liquefy said vapor, transferring the liquid carbon dioxide produced in said places of confinement of the masses of solid carbon dioxide along with liquid carbon dioxide from said source of supply to a second fractional number of the storage vessels to be charged to fill each vessel of said second fraction with liquid, withdrawing carbon dioxide vapor from said second fraction of vessels and liquefying the withdrawn vapor in one or more of the places of confinement of the masses of solid carbon dioxide and repeating the aforesaid steps with additional fractional numbers of storage vessels until all of the plurality of vessels have been charged.

2,496,186
VOICE-CONTROLLED TWO-WAY TELEPHONE SET
James N. Walter, East Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 29, 1947, Serial No. 788,856
7 Claims. (Cl. 179—1)



1. In a signal transmission system, a two-way line, two oppositely-directed one-way transmission paths for respectively transmitting signals to and receiving signals from said line, means normally providing a high transmission loss in one of said paths, means normally providing a low transmission loss in the other of said paths such as to allow substantially free transmission of signals thereover, switching means comprising two switching branches having a common input circuit fed from said one path near its input, one of said branches being operatively responsive to the signal energy applied thereto through said common input circuit when signals are impressed on the input of said one path to reduce the loss therein to a relatively low value such as to allow substantially free transmission of the impressed signals over that path, and releasing in response to cessation in the impressed signals to restore said one path to its normal high loss condition, the other of said branches being operatively responsive to the signal energy applied thereto through said common input circuit when signals are impressed on the input of said one path to increase the loss in said other path to a relatively high value, and releasing in response to cessation in the impressed signals to restore said other path to its normal low loss condition and means to reduce transient disturbances introduced in said paths when signal transmission is switched from one path to the other by the operation or release of said switching means comprising means for making the relative operate time constants of the two switching branches such that in response to the signals impressed on said one path said other switching branch operates before said one switching branch and means for making the relative release time constants of said two switching branches such that in response to cessation in the signals impressed on said one path said one switching branch releases before said other switching branch.

2,496,187
ELECTRIC CONTROL MECHANISM
John B. Whitted, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 20, 1943, Serial No. 499,336
16 Claims. (Cl. 137—139)



16. Electrical control mechanism of the class described comprising a ventilating air valve having operating mechanism including a movable element, an operating shaft attached to the movable element of the valve, said movable element assuming positions corresponding to the positions assumed by said shaft, a reversible motor for driving said shaft in opposite directions, means connected to said motor and including manual means controlling the direction of rotation of said motor for operating the motor in opposite directions, an indicator for indicating the position of said valve member, means connecting said indicator to said shaft, a clutch connecting said motor and shaft, means for holding said clutch engaged, means responsive to the presence of an impurity in the ventilating air for rendering said last named means ineffective, a spring for moving said shaft to close said valve when said solenoid is deenergized, and a stop for limiting movement of said operating shaft under the influence of said spring.

2,496,188
APPARATUS FOR SEAM WELDING OF TUBING
Donald H. Wiese, Norristown, Pa., assignor to Superior Tube Company, Norristown, Pa., a corporation of Pennsylvania
Application March 10, 1947, Serial No. 733,538
2 Claims. (Cl. 113—59)

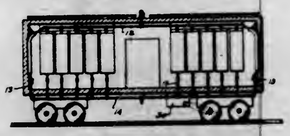
1. Apparatus for closing the seam of metal tubing consisting of soft heat-resistant plugs internally engaging and continuously yieldingly conforming with said tubing at regions spaced longitudinally thereof to define an isolated zone, means for applying heat to the seam edges to melt them within the limits of said zone, and means for supplying gas under pressure to said zone to support the seam-forming metal while

molten comprising a small tube extending longitudinally of said tubing and through one of said plugs, said small tube being attached to both of



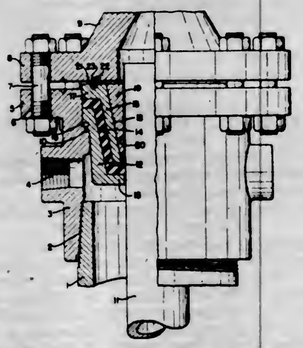
said plugs to maintain them in spaced relation defining said zone and being perforate between said plugs.

2,496,189
REFRIGERATOR CAR
Beverly E. Williams, Chicago, Ill.
Application April 3, 1947, Serial No. 739,155
10 Claims. (Cl. 62—19)



1. A structural unit providing a means adapted for quick assembly in a railroad car and the like comprising a means forming a flow passage for a heat exchange medium, said passage means having an exposed heat exchanging face, means to connect the passage means to a heat exchange medium supply header, means to connect the passage to an exhaust header, and louver means supported integrally with said passage means but spaced from its exposed face to hold stored product away from the heat exchanging face and to control the circulation of air between said face and the stored product, said passage means being of a size and shape to fit into a railroad car or the like so that it may be connected to said supply and exhaust headers in order to form a wall surface which assists in controlling the temperature of the atmosphere in the storage compartment.

2,496,190
WELLHEAD SEALING ARRANGEMENT
Madden T. Works, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation of Texas
Application January 3, 1947, Serial No. 720,004
8 Claims. (Cl. 285—22)



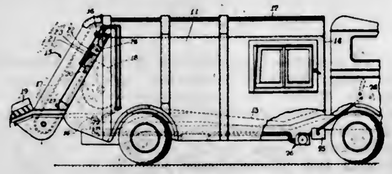
1. A device for suspending and sealing a pipe within a wellhead comprising a bowl adapted to seat within a wellhead and having a socket therein with inwardly and outwardly extending upwardly facing shoulders at its lower and upper ends respectively, a second bowl-shaped member adapted to fit within the first in spaced relation thereto and having an inner slip receiving surface adapted to receive slips for supporting the pipe, and a layer of a sealing material flowable under pressure substantially filling the space between said bowl members.

2,496,191
GUITAR STEEL
Abe M. Zipperstein, Chicago, and Benjamin Vitto, Annawan, Ill.
Application September 11, 1947, Serial No. 773,486
8 Claims. (Cl. 84—319)



8. A guitar steel comprising a semi-cylindrical bar having an eccentric groove extending from end to end thereof and forming two spaced parallel bars of different diameters, one of said bars being shaped to escape contact with one of the strings of a guitar when both bars are simultaneously placed in contact with the guitar strings.

2,496,192
AUTOMATIC VEHICLE LOADER
Thomas T. Baldt, Springfield Gardens, N. Y.
Application December 13, 1946, Serial No. 715,924
14 Claims. (Cl. 214—67)

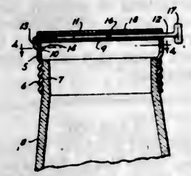


1. In a refuse truck, a body for holding refuse, a tailgate hingedly mounted to said body, an endless conveyor carried by said tailgate for elevating refuse with respect to said body, a loading hopper at the lower end of said tailgate for feeding refuse to said conveyor, a bin carried by said tailgate in a position to receive refuse elevated by said conveyor, a rotary scoop for scooping refuse in said bin with substantially continuous rotation, and a paddle pivotally mounted above said scoop and in wiping contact therewith, said paddle being of a length and so arranged that it may always ride on an oncoming surface of said scoop.

2,496,193
DISPENSER
Louis R. Benedict, Philadelphia, Pa.
Application September 17, 1946, Serial No. 697,495
2 Claims. (Cl. 65—57)

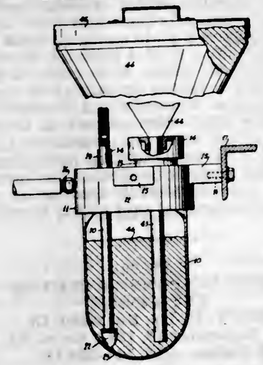
1. A device of the character described for dispensing powdered materials, such as salt, pepper, and the like, comprising a container, a cap member on said container, said cap member having a closed chamber separated from and having no communication with the interior of the container, said cap member also having a group of spaced discharge openings below the chamber portion of

said cap member in a wall thereof which is disposed on one side of the container when said container is resting on its base but which is disposed at the bottom when the container is turned to the discharging position, a laterally movable member extending through the chamber in the cap member and provided at one end with an external extension having a plurality of tines adapted to penetrate and normally close the aforesaid discharge openings in the side wall of the cap member and at the other end with an



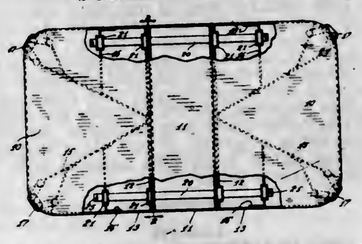
externally projecting portion for manual engagement to move the tines out of engagement with said discharge openings, a spring disposed in the chamber in the cap member for impelling said laterally movable member to cause the tines thereof to extend into said discharge openings and to close the same, the material in the container being discharged directly through the aforesaid openings when the container is in the discharging position and the movable member is manually moved to cause the tines to free said openings.

2,496,194
POWDER DISTRIBUTOR FOR PREVENTING OFFSET FROM FRESHLY PRINTED SHEETS
Sidney Bennett, New York, N. Y.
Application August 19, 1946, Serial No. 691,620
4 Claims. (Cl. 91—44)



1. A device for blowing powder which comprises a tank having a curved bottom, a cover for the tank having air-admission and powder-discharge passages therein, a pipe extending from the air-admission passage to the bottom of the tank and having a discharge nozzle opening into the tank in a direction to force the air along the curved bottom of the tank, a powder supply pipe extending into the tank to a point near the bottom thereof and adjacent the lower end of the air admission pipe, the arrangement being such that the force of air from the air admission pipe sweeps across the bottom of the tank and across the end of the powder-admission pipe to prevent powder from packing thereat.

2,496,195
EXTENSION TABLE FOR CENTER INSERTION
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application May 2, 1947, Serial No. 745,434
2 Claims. (Cl. 311—42)



1. An extension table, comprising a pair of top sections each formed of sheet metal and provided at its inner end with a downwardly projecting flange, each top-section also being provided with a vertical rib spaced outwardly from said flange, legs at the outer corners of each top-section, a pair of parallel, laterally spaced guide rods, said flanges and ribs being provided with sets of aligned openings through which said rods extend, and a bushing mounted in each opening and slidably receiving a guide rod, the openings in said flanges being elongated vertically to permit free vertical movement of the bushings therein and the openings in the ribs being elongated horizontally to permit free horizontal movement of the bushings therein, each of the openings in the flanges having a bushing-engaging flange extending axially of the bushing.

2,496,196
DIAZOTYPE COATING SOLUTION FOR PLASTIC CARRIERS
Carl Botkin, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 28, 1945, Serial No. 631,495
8 Claims. (Cl. 95—7)

1. A diazotype aqueous coating solution for plastic carriers of the class consisting of regenerated cellulose, cellulose esters, and cellulose ethers comprising a light sensitive diazo compound and an aliphatic halohydrin of the class consisting of ethylene chlorhydrin, and propylene chlorhydrin.

2,496,197
TESTING EQUIPMENT FOR ELECTRICAL APPARATUS
George C. Buck, Odessa, Mo.
Application March 8, 1948, Serial No. 13,673
2 Claims. (Cl. 175—183)



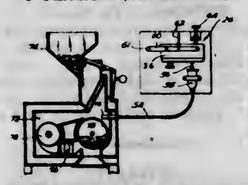
2. A testing device for electrical apparatus comprising an elongated vacuum tube of transparent material; a pair of electrodes rigidly secured

within the tube and extending through each end thereof respectively; an extended conductor having connection with the outermost end of one of said electrodes, said tube having a gas therein capable of becoming illuminated when said conductor is grounded and the outermost end of the other electrode is adjacent an electric current; a tubular protecting sleeve tightly circumscribing said tube, with the ends of the sleeve spaced inwardly from proximal ends of the tube, said sleeve having a plurality of openings therein for exposing parts of said tube; and a protecting cap of resilient, non-conducting material completely covering each end respectively of said tube, one of said caps enclosing said one electrode and joining with the insulation of said conductor, the other cap enclosing a portion of said other electrode, both caps tightly telescoping adjacent ends respectively of said sleeve.

2,496,198
PREPARATION OF ALKOXYISOBUTYRALDOXIMES
Darrel J. Butterbaugh, Abington, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 17, 1947, Serial No. 774,665
7 Claims. (Cl. 260—566)

1. A process for preparing alkoxyisobutyraldoximes which comprises reacting the dimeric addition product of isobutylene and a nitrosyl halide with a primary alcohol of one to four carbon atoms in the presence of an inorganic compound which is approximately neutral but which has capacity for neutralizing a strong acid from the group consisting of carbonates of the alkaline earth metals, bicarbonates of the alkali metals, monohydrogen phosphates of the alkali metals, and borax.

2,496,199
ELECTRICAL HEAT-TREATING MECHANISM
George H. Bushway, North Hampton, N. H., assignor to Electricooker, Inc., Newburyport, Mass., a corporation of Massachusetts
Application November 22, 1947, Serial No. 787,519
3 Claims. (Cl. 219—19)



1. Heat treating mechanism comprising a treating chamber, an electric heating unit for heating the chamber, means in the chamber adapted to hold a product to be treated, means including a motor for causing relative movement between the product and the first mentioned means, a main electric circuit including a circuit through the motor in one part thereof and a heating circuit through the heating unit in another part, a snap switch having a spring arm carrying a contact in the main circuit and movable to and between two limit stop positions in one of which said contact closes the heating circuit through the unit and leaves said motor circuit inoperative and in the other of which the heating circuit is rendered inoperative and the motor circuit rendered operative, said arm and contact being normally in said one stop position, means associated with the chamber and operated thermostatically from the heat of the unit for moving the arm and contact from said one stop position to and beyond an intermediate position from which they snap automatically to said other stop position, the arm and contact being adapted automatically to return to said one stop position, when the temperature of heat received by the last named means from the unit has dropped a predetermined amount, and means operative on the arm for adjusting it toward said intermediate position and thereby diminishing the amount of said temperature drop required to return the arm and contact from said other stop position to said one stop position.

2,496,200
PLATE SECURING MEANS
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application September 21, 1946, Serial No. 698,509
1 Claim. (Cl. 101—378)



In a tension lockup mechanism for stereotype plates or the like, the combination with a printing cylinder and a reaction member mounted thereon, of means for engaging a plate for the application thereto of circumferential tension, said means comprising a relatively thick and short laminated spring member as a plate engaging hook, a shaft rotatably mounted in said cylinder, block means on said shaft to rotate therewith, said spring member being mounted on said block means for rotary movement therewith in a preloaded condition, radially offset with respect to the axis of said shaft about which it is adapted to rotate, and positively actuated locking means for rotating said shaft in the direction of circumferential tension to provide locking tension on a plate through engagement of said spring member with the plate.

2,496,201
SPEED RESPONSIVE CLUTCH MECHANISM
Adiel Y. Dodge, Rockford, Ill.
Application September 13, 1944, Serial No. 553,843
6 Claims. (Cl. 74—230.17)



4. A speed responsive clutch mechanism comprising a pair of pulley members having diverging belt engaging surfaces and relatively movable axially together to engage a V-belt between them, a shaft on which the pulley members are mounted for relative axial movement, cam means connecting one of the pulley members to the shaft to urge it toward the other pulley member with a force proportional to the load on the belt, a centrifugal weight rotatable with the shaft and movable outward in response to centrifugal force, and means operatively connecting the weight to the pulley members to move them axially relative to each other as the weight moves, said means including a part having a varying effective angle to increase the mechanical advantage of the weight over the pulley members as the weight moves out.

2,496,202
PROCESSING OF PINEAPPLE JUICE
George M. Eguchi and Clinton H. Wells, Honolulu, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii
Application September 4, 1948, Serial No. 47,784
6 Claims. (Cl. 99—105)

1. Method of treating a raw pineapple juice which comprises introducing minute gas bubbles into a body of the juice, maintained at a temperature above the coagulating temperature of albumin but below the boiling temperature of the juice, at a point below the surface of the body while agitating the body, the agitation being confined substantially to the area of gas introduction, and recovering a froth concentrate of albumin, fruit oil and waxes from the surface of the body.

2,496,203
BENEFICIATION OF VOLCANIC ASH
Einar P. Flint and Thomas C. Miller, Chicago, Ill., and Wilson F. Douglass, South Omaha, Nebr., assignors to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine
Application May 10, 1948, Serial No. 26,084
5 Claims. (Cl. 252—378)

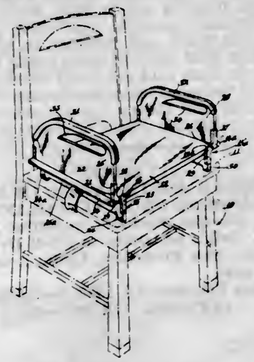
1. A method for the beneficiation of lava ash containing bound water, which comprises abruptly heating it in pulverulent disseminated condition to a plasticating temperature of from 800 to 1100° C. by entraining and dispersing a pulverulent stream thereof in a forced air-combustible gas stream and passing it co-currently in a fraction of a second through a horizontally projecting flame, and promptly collecting it therefrom in shattered particle form.

2,496,204
UNIVERSAL KNITTING MEANS
Jack Fontaine, Cleveland Heights, Ohio
Application December 20, 1944, Serial No. 568,960
7 Claims. (Cl. 66—86)



1. In knitting means having a reciprocable needle bar and a presser-type bar reciprocable at an angle to the needle bar, and a needle in said needle bar having a grooved body with a laterally outturned end and a slide in the groove of the needle body to effect closing of the needle, and a lateral projection on said slide; optional control means for the needle closing interposed between the needle bar and the presser-type bar mechanism including a framing element adjacent the needle, a control pin movable through the framing element into and out of the path of said projection, a supporting member carrying said control pin and movable with respect to the framing element as guided by dowel pins riding in openings in the framing element, an axially adjustable spring-equipped push-pin carried in the presser-type bar, actuating means adjacent said control pin supporting member, and a laterally projecting detent near the end of said spring-equipped push-pin seatable respectively against the forward face of the presser-type bar and in a groove in the bar as the spring-equipped pin is optionally adjusted to either position by appropriate slight rotation relative to said groove.

2,496,205
FOLDABLE AUXILIARY BABY SEAT
Charles Grieb, Flushing, N. Y.
Application June 25, 1947, Serial No. 756,980
2 Claims. (Cl. 155—131)

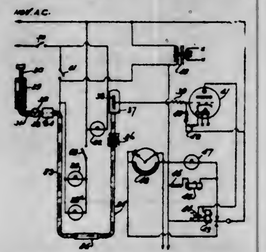


1. In a foldable child's chair, a seating member provided with notches adjacent the ends of the longitudinal edges thereof, a pair of side members and a pair of lateral supports, brackets each of which is pivotally secured in a notch of the seating member, each of the side members and corresponding supports being affixed to the transversely alined brackets whereby the side members and the lateral supports are foldable about the supporting member.

2,496,206
HAIR WAVE PROCESSING INDICATOR
Robert E. Grigaby, Cincinnati, Ohio
Application October 28, 1947, Serial No. 782,502
4 Claims. (Cl. 73—160)

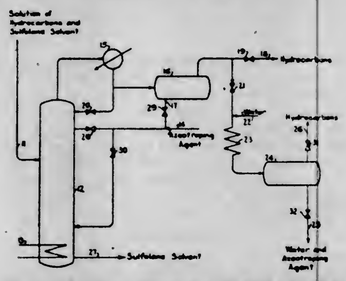
2. A hair wave processing indicator comprising a casing having a hollow interior, the front of said casing having a window portion adapted to be opened and closed, walls within the front portion of the hollow interior of said casing forming with said window portion a test chamber, a pair of spaced hair clamps mounted on one wall of said test chamber, a pair of spaced capillary tubes extending from the hollow interior of said casing into said test chamber, said tubes positioned ad-

jacent to said hair clamps, a thin membranous test cell attached to the forward end of said tubes and extending between said tubes, a reservoir containing a fluid capable of conducting electrical current positioned within the hollow interior of said casing, a connection leading from said reservoir to one of said capillary tubes, means for controlling the flow of fluid from said reservoir to said tube, said fluid adapted to flow through said first capillary tube, test cell and second capillary tube, said hair clamps adapted



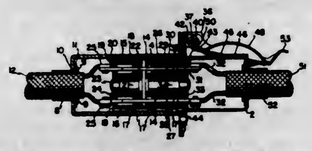
to hold the ends of a lock of hair which is wrapped around said test cell, said test cell adapted upon tightening of said lock of hair to cause said fluid to rise in said second capillary tube, electrical contacts positioned at opposite ends of said tubes and included in an electrical circuit, said fluid adapted upon rising in said second tube to close said electrical circuit, a signalling device operated upon the closing of said electrical circuit and means for connecting said indicator to a suitable source of electrical supply.

2,496,207
AZEOTROPIC DISTILLATION OF HYDROCARBONS FROM SULFOLANES
Arthur E. Handlos, Berkeley, and Gino J. Pierotti, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 25, 1947, Serial No. 730,822
10 Claims. (Cl. 202—42)



1. A process for removing a sulfolane solvent from a mixture thereof with a hydrocarbon fraction having a boiling point range embracing the boiling temperature of the sulfolane solvent and comprising a major proportion of aromatic hydrocarbons, comprising the steps of distilling said mixture in a distillation zone in the presence of an azeotroping agent which is capable of forming two liquid phases with the hydrocarbon fraction and forms low-boiling mixtures with the constituents of said hydrocarbon fraction, the low-boiling mixtures having boiling points below the boiling temperature of the sulfolane solvent, said azeotroping agent being an aliphatic alcohol having a boiling point below that of the sulfolane solvent and within the lower half of the boiling range of the hydrocarbons separating the resulting overhead distillate consisting predominantly of hydrocarbons and azeotroping agent from the distillation residue consisting predominantly of sulfolane solvent, condensing the distillate, and separating the condensed distillate into a liquid hydrocarbon phase and a liquid azeotroping agent phase.

2,496,208
ELECTRICAL CONNECTOR
Oscar H. Hasselbaum, Arlington, Mass., assignor to Joseph Pollak Corporation, Dorchester, Mass., a corporation of Massachusetts
Application September 16, 1946, Serial No. 697,179
1 Claim. (Cl. 173—328)

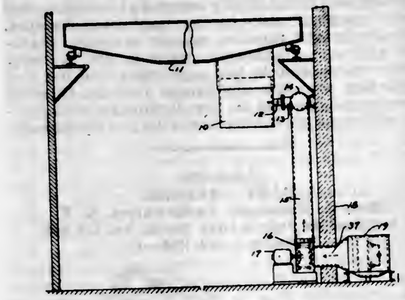


A connector of the type described, comprising an elongated metallic shell having an outwardly extending flange at the open end of the shell, a spring cover hinged in a pair of ears projecting outwardly from the face of the flange tensioning said cover when normally in closed position with the face thereof fitting closely around the rim portion of the opening of said elongated metallic shell, said cover having an inner base member with a slot therein perpendicular to the median line between said hinged ears and a tapered, concave indentation extending from one side of the slot tapering towards said hinge; a plug member adapted to engage within the elongated metallic shell for completing electrical connections therewith, said plug member being cylindrical in shape and of such a size to fit snugly within said metallic shell with the rearward portion thereof extending substantially beyond said ears, the outer shoulder of said plug member conforming to the shape of said indentation and slot and being seated therein when the plug is in place, said cover with the outer shoulder of the plug resting therein, locking said plug in place against outward axial motion and exerting pressure on the plug member towards said elongated metallic shell to maintain a tight electrical connection between the elements of the connector.

2,496,209
VENTILATING SYSTEM FOR OVERHEAD CRANE CABS
Harold Hemming, Dedham, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application March 29, 1946, Serial No. 658,346
4 Claims. (Cl. 98—39)

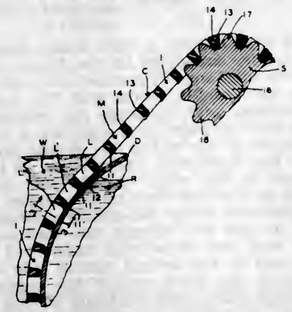
1. A ventilating system for a movable enclosure, comprising a stationary duct extending alongside the path of movement of the enclosure, said duct having a longitudinally extending opening facing said enclosure, a supply duct movable with said enclosure and having one end connected to the interior thereof, means connecting the other end of said supply duct with said opening and forming a movable closure for the opening, said means including a tape movable with said supply duct and extending from opposite

sides thereof parallel said opening, and including walls extending from said stationary duct at



opposite sides of said opening in contact with said tape, and means for supplying air into said stationary duct.

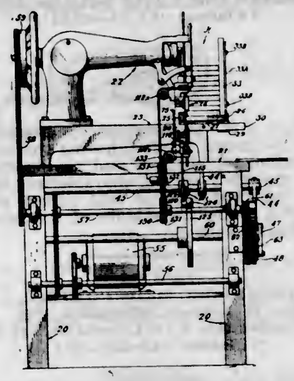
2,496,210
ICE-MAKING MACHINE
Ray M. Henderson, Denver, Colo.
Application February 1, 1946, Serial No. 644,720
20 Claims. (Cl. 62—106)



1. In an ice making machine, a refrigerated surface, a body of water adjacent thereto, a chain for association with the refrigerated surface provided with molds in which blocks of ice can be formed, means for removing the chain together with blocks of ice formed in the molds, the molds of said chain being constructed with rigid side walls swingably connected together on the side of the chain adjacent the refrigerated surface and yieldable dividing partitions associated with the swingable connections to thereby permit the molds to be successively moved away from the refrigerated surface without such forces being produced on the blocks of ice as to cause any appreciable cracking thereof.

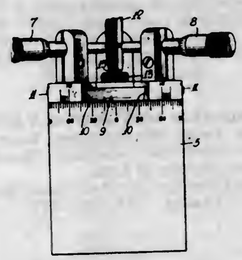
2,496,211
AUTOMATIC THREAD CUTTER AND REGISTER MEANS FOR BOOK SEWING MACHINES
William B. Hildmann, Chicago, Ill., assignor to Brock & Rankin, Chicago, Ill., a corporation of Illinois
Application June 8, 1944, Serial No. 539,340
25 Claims. (Cl. 112—252)

1. Mechanism of the class described including means for sewing an object with top and bottom threading, means for feeding said object relative to said sewing means, cutters confronting opposite sides of said object and movable relative to each other and said threading, and means driv-



ingly cooperating with said feeding means for automatically converging said cutters upon said threading at a time when said object is between the cutters and is not in motion under influence of said feeding means.

2,496,212
DIAMETER MEASURING DEVICE
Charles O. Holt, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application June 6, 1944, Serial No. 538,921
1 Claim. (Cl. 33—178)



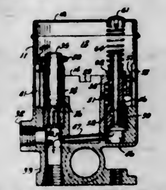
In a measuring device of the character indicated, a base, a centering plug, screw threaded means for holding said plug in selected positions of longitudinal adjustment on said base, said plug having centering means for axially engaging a coacting part on an article the diameter of which is to be measured so as to center the article radially, three measuring instruments carried by said base and circumferentially adjustable relatively to each other about the axis of said plug, said three measuring instruments each having a measuring part movable in a direction radially of the axis of said centering plug, whereby during a measuring operation on an article all three measuring instruments may show duplicate readings when said measuring parts cooperate with the piece to be measured.

2,496,213
FISHING LURE
Wilson C. Huntley and Kenneth S. Wright, Portland, Oreg.
Application June 7, 1946, Serial No. 675,106
2 Claims. (Cl. 43—42.51)



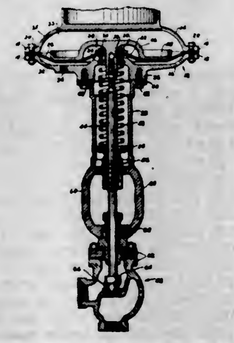
1. A lure of the class described, consisting of a member, S-shaped in plan, having the intermediate portion thereof flat, and having the ends thereof oppositely curved, characterized by having the adjacent ends of said curved portions overlapping along the middle of the length of said S-shaped member.

2,496,214
PILOT FUEL FLOW CONTROL
Roy W. Johnson, Milwaukee, Wis.
Application July 8, 1944, Serial No. 544,055
9 Claims. (Cl. 137—21)



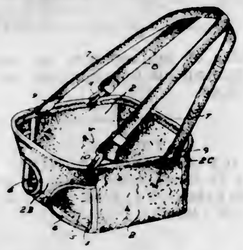
1. In a device controlling the flow of liquid fuel to a burner of the gravity feed type, a casing having a fuel supply chamber provided with an outlet passage and a well connected with the chamber and the passage, and a plug mounted in the well for axial movement therein and defining with a portion of the wall of the well a capillary passage therewith for maintaining a continuous and limited flow of fuel to the burner, and means for axially adjusting the plug within the well to vary the effective length of the capillary passage.

2,496,215
DIAPHRAGM MOTOR FOR VALVES
Benjamin R. Jones, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa
Application February 19, 1946, Serial No. 648,690
7 Claims. (Cl. 137—157)



1. A valve motor comprising, in combination, a supporting housing, a diaphragm housing secured thereto, a diaphragm having a central opening and being rigidly secured at its outer and inner marginal edges in the diaphragm housing, the diaphragm forming an air pressure chamber with the diaphragm housing, and a valve stem reciprocable in the supporting housing and extending into the diaphragm housing through the central opening in the diaphragm and having an operative connection with the diaphragm.

2,496,216
BABY CARRIER
Mary A. Kaminski, Lackawanna, N. Y.
Application July 2, 1946, Serial No. 681,092
2 Claims. (Cl. 224—6)



1. In a baby carrier, a rigid frame member, a flexible carrier supported by the frame member and having substantially parallel side walls, front and rear walls and a bottom wall, the front wall being provided with openings for receiving the legs of a baby disposed in the carrier, a shoulder strap secured at one end to one of said side walls adjacent the front wall, and secured at the opposite end to the other of said side walls in proximity to the rear wall of the carrier, and a second shoulder strap detachably connected at one end to said first named side wall adjacent the rear wall and detachably connected at the opposite end to the second named side wall in proximity to the front wall of the carrier, the arrangement being such that one of said straps passes over the wearer's shoulder while the other strap passes under the arm and around the back, thereby permitting the carrier to be supported with one of the side walls resting against the wearer's body.

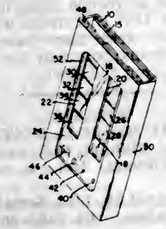
2,496,217
HARPOON GUN
Cresson H. Kearny, San Antonio, Tex.
Application April 16, 1948, Serial No. 21,457
2 Claims. (Cl. 124—22)



1. A gun including the combination of a barrel having a downwardly and forwardly slanting breech, a support extending rearwardly from said breech, elastic strands on either side of said barrel with their front ends anchored forwardly of said breech and their rear ends joined by a connection, whereby a harpoon or similar projectile may be mechanically fired through said barrel by propulsion received through said connection from said strands, said connection driving into the notch formed by said breech and said support and retaining itself there after its firing action, whereby to retain itself and said strands against entanglement, and with said combination further including a band of deformable elastic material looped over said barrel near its breech and partly projecting beyond the latter to function as a shock absorber for said connection, with said support comprising a forearm for said gun and with the depending ends of said band extending below said forearm, and serving applied over said depending ends to provide said gun with a fore grip.

2. A gun including the combination of a line storage arm about which a projectile-carried line is looped, a pivot for mounting said arm to the gun so said arm may swing, a clip for frictionally holding said arm upwardly, a moving mechanical propellent for the projectile fired by the gun, an element in the path of said propellent and a connection between said element and said arm for dragging the latter from said clip when said element is struck by said propellent, whereby to release said arm upon the firing of said gun.

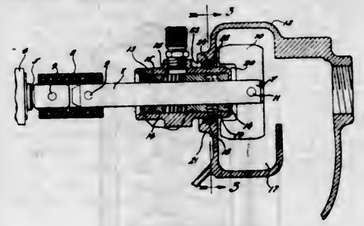
2,496,218
METHOD AND APPARATUS FOR DETERMINING RADIATION DOSAGE
Jean Kieffer, Norwich, Conn.
Application December 16, 1947, Serial No. 792,028
6 Claims. (Cl. 250—83)



3. A radiation detecting device comprising a container of material capable of transmitting radiation, a radiation mask disposed against one interior wall of said container, a film overlying said mask and having one portion extending beyond the mask, a filter superposed on a portion of said film and defining areas of different resistance to radiation, and a second mask covering another portion of the film and provided with a plurality of through and through circular holes of different diameter and having parallel axes, the diameter of each hole being relatively small with respect to the thickness of said second mask to cut off radiation reaching the second mask at relatively small angles of incidence.

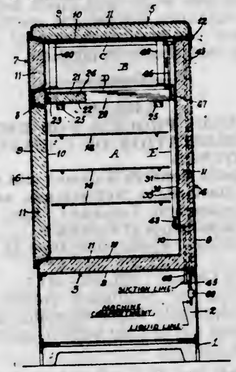
2,496,219
RESILIENT MOUNTING
Floyd F. Kishline, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application September 14, 1948, Serial No. 49,167
6 Claims. (Cl. 103—103)

1. In combination with a pump having a driving shaft, a driven shaft, a flexible coupling between the driving and driven shafts, an impeller and a pump housing having a mouth; a shaft supporting sleeve telescoped into the mouth of the pump housing in substantial axial alignment with the drive and driven shafts, a rubber-like ring interposed between the sleeve and housing and serving to seal off the mouth of the housing and to yieldably support the sleeve within the housing, said rubber-like ring being spaced from the flexible coupling a substantial distance and



being in a permanently compressed condition whereby to lend adequate supporting rigidity to the sleeve so that the sleeve functions as a stationary bearing retainer for the rotative driven shaft.

2,496,220
DOMESTIC REFRIGERATING UNIT
Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois
Application June 5, 1944, Serial No. 538,810
3 Claims. (Cl. 62—116)

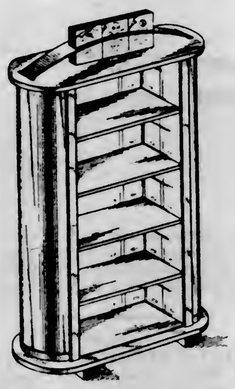


2. For use in refrigerators having spaces cooled to different temperatures, a unit including a generally horizontal base of insulating material adapted to be inserted in a refrigerator cabinet as a partition between differentially cooled spaces, a cold plate supported on said base and depending therefrom, adapted to cool a space below said base and means for cooling a space above said base, including a pair of horizontal, parallel, vertically spaced cold plates, each said plate including a smooth walled outer housing and a refrigerant coil in the space within said housing, the coils of all of said plates being connected in series, and means for delivering the coolant first to the plates above said base.

2,496,221
DISPLAY DEVICE
Edward G. Koch, Baldwin, N. Y.
Application January 5, 1946, Serial No. 639,277
6 Claims. (Cl. 40—130)

1. A portable display stand comprising vertical side walls, horizontally spaced shelves supported

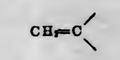
by said side walls, top and bottom horizontal sections extending beyond said side walls, vertically arranged curved sheets extending between said sections at both ends and on the sides of



said stand to provide spaces between said sheets and vertical side walls, said sheets being removable and containing advertising matter, and resilient curved bands at both ends of said sheets for holding said sheets in position.

2,496,222
CONTINUOUS PROCESS FOR EMULSION POLYMERIZATION OF UNSATURATED COMPOUNDS
Egbert Cornelis Hendrik Kolvoort and Gerrit Akkerman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 17, 1947, Serial No. 755,242
6 Claims. (Cl. 260—91.7)

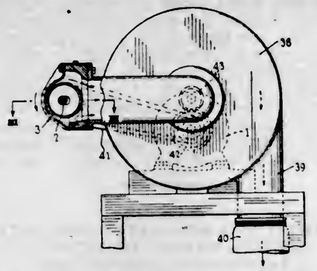
1. A process for producing polymer from a neutral, substantially water-insoluble polymerizable compound whose only carbon-to-carbon unsaturation is a single



group which comprises forming a non-acidic emulsion of the vinylidene compound in water containing as emulsifying agent a compound from the group consisting of alkali metal salts of hydrocarbon sulfates and sulfonates wherein the hydrocarbon radical contains 10 to 20 carbon atoms, continuously introducing the emulsion into one end of an elongated reaction space, adding to the emulsion just prior to its introduction into the reaction space a peroxy polymerization catalyst and sufficient completely water-miscible acid to give the emulsion a pH of 1.5 to 4, flowing the acidified emulsion through the reaction space under polymerizing conditions at such a rate that at least 40% of the polymerizable compound is polymerized while passing therethrough, and continuously withdrawing emulsified polymer from the other end of the reaction space.

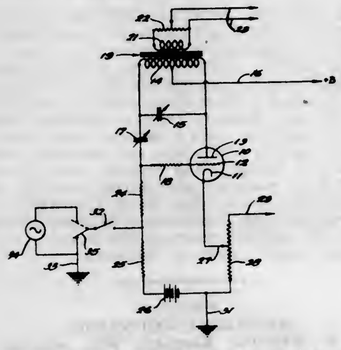
2,496,223
POULTRY PLUCKER
Joseph C. Lanzisera, Brooklyn, N. Y.
Application July 13, 1946, Serial No. 683,351
5 Claims. (Cl. 17—11.1)

1. A device for plucking feathers from feather-bearing animals, including, in combination: a casing, said casing formed with an opening; a grid positioned over the opening; means for causing a flow of air through the opening past the grid; a receptacle into which the current of air passes; a helical spring positioned within the casing closely adjacent the grid; means to rotate the helical spring on its longitudinal axis; and



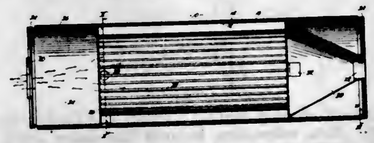
means to cause the convolutions of the spring to approach closely one another in the portion passing the grid and to recede from one another at a position about 180° therefrom whereby a fowl presented to the grid may have its feathers drawn into the casing, seized by the helical spring and withdrawn from the fowl.

2,496,224
ELECTRICAL MUSICAL INSTRUMENT
Thomas H. Long, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application August 31, 1946, Serial No. 694,382
7 Claims. (Cl. 250—36)



1. In an electrical musical instrument, an oscillator circuit including an electron discharge tube having a cathode, an anode and a control grid, means in the circuit to stabilize it so that the oscillator will oscillate at a substantially constant frequency, means to supply a bias to the control grid to bias the tube to cut-off, a shunt circuit around the biasing means including a switch adapted to be closed to start the oscillator, a low frequency generator, and means to connect the generator in the shunt circuit.

2,496,225
VENTILATED DRUM FOR DEHYDRATORS
Wallace L. McGehee, Kansas City, Mo., assignor to McGehee Company, Kansas City, Mo., a corporation of Missouri
Application January 13, 1947, Serial No. 721,842
1 Claim. (Cl. 34—136)



A ventilated drum for dehydrators of the character described comprising a substantially cylindrical shell mounted for rotation about a horizontal axis, said shell comprising an inner and outer wall, said inner wall having at least one opening intermediate the ends thereof and having a diameter smaller than the diameter of the outer wall to present a hollow chamber between the walls in communication with said opening; means for closing one end of the chamber; a perforated wall forming the opposite end of the chamber and an annular band slidably circumscribing the inner wall of the shell adjacent said end wall, said band having a lateral, perforated flange overlapping said end wall, the perforations of the end wall and of the flanges moving into and out of register as the band is moved on said inner wall of the shell.

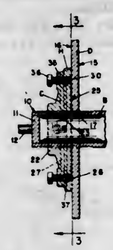
2,496,226
PRODUCTION OF DISPERSIONS OF REACTION PRODUCTS OF HALOGENATED PARAFFINS AND ALKALINE POLYSULFIDES
Johan Overhoff and Hendrik Willem Huyser, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 14, 1947, Serial No. 760,922. In the Netherlands July 15, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 15, 1961
17 Claims. (Cl. 260—79.1)

14. The process for the production of finely divided, stable dispersions of the high molecular reaction products obtained by reacting a di-halogen substituted paraffin with an alkaline polysulfide which comprises executing said reaction in an aqueous medium in the presence of a dispersion agent consisting essentially of a water soluble salt of a sulfuric acid ester of a monohydric aliphatic alcohol having from ten to eighteen carbon atoms to the molecule derived from olefinic hydrocarbons having from ten to eighteen carbon atoms to the molecule.

2,496,227
PRODUCTION OF DISPERSIONS OF REACTION PRODUCTS OF HALOGENATED PARAFFINS AND ALKALINE POLYSULFIDES
Herman Ellers, Johan Overhoff, and Johannes Cornelis Vlugter, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 22, 1947, Serial No. 762,806. In the Netherlands January 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 3, 1962
15 Claims. (Cl. 260—29.2)

11. The process for the production of finely divided, highly concentrated, stable dispersions of the high molecular weight reaction products obtained by the interaction of a dichlor-substituted paraffin with an alkaline polysulfide in an aqueous medium in the presence of a dispersing agent, which comprises adding an inorganic electrolyte providing a multi-valent cation to said aqueous high molecular weight reaction product, thereby effecting the flocculation of said high molecular weight reaction product with the separation of a supernatant layer comprising aqueous salt solution from a bottom layer comprising flocculated high molecular weight reaction products in admixture with multi-valent cations, separating said supernatant layer from said bottom layer, and removing said cations from the bottom layer, thereby converting said bottom layer to a highly concentrated stable irreversible dispersion.

2,496,228
WARP BEAM FOR LOOMS
Albert Palmer, Worcester, and Oscar V. Payne, Leicester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application August 5, 1947, Serial No. 766,288
7 Claims. (Cl. 242—124)

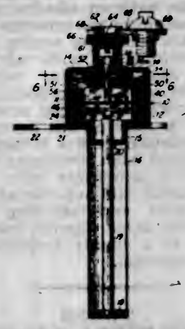


1. In a warp beam having a cylindrical barrel provided with external screw threads, a warp engaging flat disk threaded onto said screw threads, a holding member having a hub threaded onto said threads and fitting tightly against said disk to resist rotation thereof relatively to the barrel, a web forming part of the holding member extending along the disk, and means carried by said web engageable with the disk to effect movement of part of the disk away from the web.

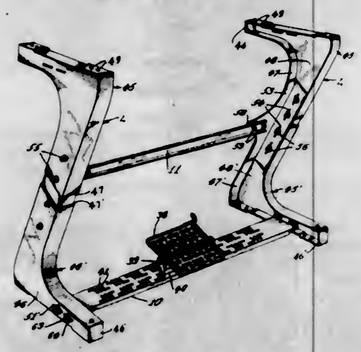
2,496,229
THERMAL SWITCH
Malcolm K. Parkhurst, New York, N. Y., assignor to Control Products, Inc., Harrison, N. J., a corporation of New Jersey
Application May 8, 1948, Serial No. 25,899
6 Claims. (Cl. 200—137)

6. In a thermal switch, in combination, a tube, a rod secured at its outer end to the outer end of the tube, said tube having a greater thermal coefficient of expansion than said rod, a casing attached to the inner end of said tube, a pair of contacts mounted in said casing, one of said contacts being resiliently mounted for movement into engagement with the other of said contacts, said resiliently mounted contact resting freely upon said rod without attachment thereto and pressing toward the outer end of the rod, said rod upon increase of ambient temperature moving in a direction away from said resiliently

mounted contact to permit closing of the contacts, said rod at normal temperature maintaining said contacts out of engagement with each other.



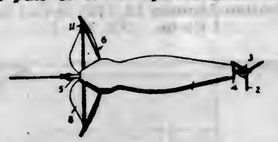
2,496,230
WORKTABLE SUPPORTING STRUCTURE
Albert C. Petersen, Park Ridge, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application January 10, 1945, Serial No. 572,132
4 Claims. (Cl. 311—12)



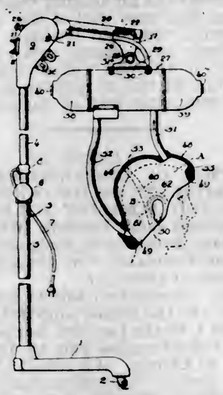
2. In apparatus of the character described, a pair of supports, each support comprising a pair of substantially identical channel-like members, each of said members having a generally V-shaped web and at least one open end, and a channel extending through the open end of each member and having its outer web surface disposed in abutting relation to the inner web surface of each member, means for adjustably connecting said channel to each of said members longitudinal of said channel, said members and channel being constructed and arranged to form a rigid upright generally Z-shaped hollow unit, and means for maintaining said supports in predetermined substantially parallel spaced relation.

2,496,231
SURFACE ARTIFICIAL FISH LURE
Henry L. Phippen, East Detroit, Mich.
Application June 16, 1949, Serial No. 99,535
2 Claims. (Cl. 43—42.47)

2. An actuating plate for a fishing lure, comprising a diamond-shaped central portion, said diamond-shaped central portion bent throughout its height, a pair of upper lips integral with said diamond-shaped central portion and extending to the outer ends of said diamond-shaped central portion, a pair of lower lips integral with said diamond-shaped central portion and having their outer ends extending beyond the outer ends of said diamond-shaped central portion, and said upper and lower lips forming at their inner ends substantially V-shaped, water relief openings.



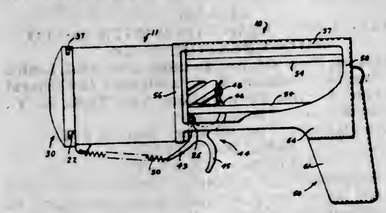
2,496,232
HAIR DRIER
Elbert R. Potter, San Francisco, Calif., assignor of one-half to Nicholas E. Drabb, San Francisco, Calif.
Application March 17, 1948, Serial No. 15,310
7 Claims. (Cl. 34—100)



1. A hair drier comprising a mobile base, an upstanding pedestal, a supporting arm pivotally and adjustably mounted at one end upon the pedestal and projecting laterally therefrom, an air heating and circulating unit adjustably mounted on the other end of said arm, a hood depending from said unit, and a pair of flexible conduits loosely supporting said hood and connected to the hood and unit and providing therewith a closed circuit for supplying and circulating heated air to the hood and back to the unit for reheating and recirculation.

2,496,233
PUTTY GUN
Augustine Power, New York, N. Y.
Application April 20, 1948, Serial No. 22,222
9 Claims. (Cl. 222—260)

1. A putty gun comprising a chamber having a rear wall, and an annular wall extending forwardly therefrom, a tube extending forwardly from said rear wall and adapted to contain a cap fitted into the front end of said annular wall, said cap being formed with a central opening, means on said cap to engage the front end of said tube, a plunger in said tube to extrude putty through said central opening, a slot at the front end of said tube establishing connection between said chamber and said tube, an annular piston within said chamber surrounding said tube, a carriage slidably mounted on said chamber, rods

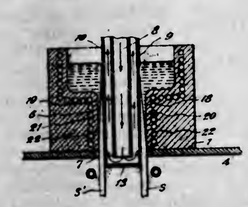


interconnecting the piston with said carriage and passing through openings in the rear wall, and a trigger pivotally mounted on said rear wall and engaging said plunger for moving said plunger in said tube.

2,496,234
ABRASIVE ARTICLES AND METHODS OF MANUFACTURING THE SAME
Norman P. Hobie, Lewiston, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application May 15, 1944, Serial No. 535,732
6 Claims. (Cl. 51—298)

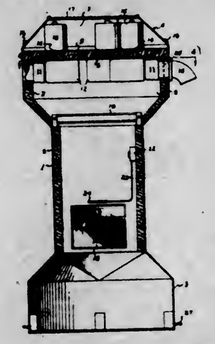
1. A molded abrasive product of substantial thickness comprising abrasive grains and a bond therefor containing as an essential ingredient a substantial proportion of a polymer of a simple ester formed by esterifying solely an unsaturated alcohol and a dicarboxylic acid.

2,496,235
METHOD FOR THE CONTINUOUS CASTING OF METAL SLABS
Irving Rossi, Morristown, N. J.
Application November 6, 1947, Serial No. 784,466
4 Claims. (Cl. 22—200.1)



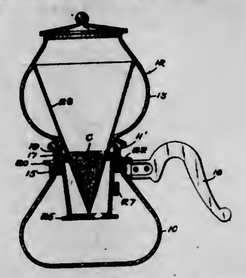
1. A method for the continuous casting of metal slab which comprises shaping one face of the slab by means of a water cooled flat surface which constitutes the sole means for the withdrawal of heat to cause solidification of the molten metal whereby crystal growth proceeds outwardly from said surface, limiting the outward crystal growth by means of a mold wall spaced from said flat surface, maintaining said mold wall at a temperature sufficient to prevent appreciable withdrawal of heat therethrough, and continuously withdrawing the solidified slab, the relative movement between the slab and said mold wall serving to smooth the outwardly growing crystals as final solidification takes place.

2,496,236
DRIER USING WARM AIR BLAST
Elmer C. Sieggreen, Saginaw, Mich.
Application November 13, 1945, Serial No. 628,128
8 Claims. (Cl. 34—243)



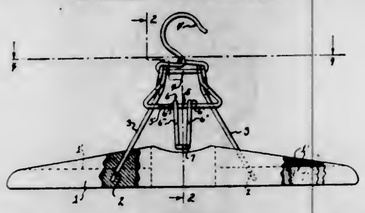
2. A drier comprising a casing and a heat-insulating partition dividing said casing into an upper and a lower chamber, the lower chamber having an air inlet substantially at its bottom, a plurality of outlet nozzles laterally projecting from said casing, a plurality of blowers installed in the lower chamber, deriving air from said inlet, air delivery ducts connecting the respective blowers to the respective outlet nozzles, means for heating the air delivered to said blowers, and motors respectively driving the respective blowers and installed in said upper chamber.

2,496,237
COFFEE MAKER
Roland L. Smith, Belmont, Mass., assignor to Nuproducts Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 10, 1946, Serial No. 640,182
3 Claims. (Cl. 99—284)



1. A duplex coffee maker for making either vacuum or drip coffee, comprising a lower vessel, an upper vessel, and a gasket of flexible material to be positioned at two optional distances within the mouth of the lower vessel for supporting the upper vessel in superimposed relationship to the lower vessel, said gasket having a depending skirt provided with at least one perforation which when vacuum coffee is being made is disposed at such an elevation relative to the lower vessel as to be sealed by a part of said vessel and when drip coffee is being made is disposed at such an elevation relative to said vessel as to be vented to atmosphere.

2,496,238
TROUSER AND SKIRT HANGER
Adolph E. Ullrich, Milwaukee, Wis.
Application December 13, 1947, Serial No. 791,487
1 Claim. (Cl. 223—96)



A garment hanger comprising a hook having a loop shank, the lower stretch of which forms a loading bar, a pair of garment holding strips, spring wire legs secured to the strips, the same being upwardly inclined and coiled about the load bar of the hook, each leg coil being extended downwardly and flared outwardly to engage the legs intermediate their length, and having a horizontally disposed connecting stretch forming a looped pressure jaw, a wire lever latch pivoted to one of the loop stretches, the same being bent in elbow form to provide a plurality of gripping notches, selectively engageable with the other loop stretch whereby the spring pressure upon the strips is varied, the said lever latch terminating with a finger gripping extension.

2,496,239
APPARATUS FOR MEASURING RADIATION
Willem Johannes Dominicus van Dijck, The Hague, and Leo Adriaan Ginsel, Nootdorp, Netherlands, assignors to Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands
Application November 16, 1946, Serial No. 710,338
In the Netherlands February 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 11, 1964
9 Claims. (Cl. 73—170)

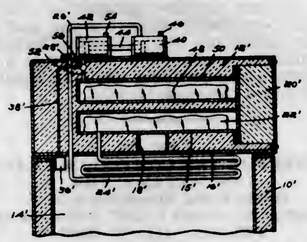


1. An apparatus for measuring radiation by vaporization, comprising two concentric bulbs in spaced relation, the outer bulb being pervious to the radiation to be measured and the inner bulb being absorptive to such radiation and containing a liquid vaporizable by energy of such radiation and having space therein for vapors that result, and a measuring tube for holding a quantity of the liquid connected with at least one of said bulbs, characterized in that the vapor space of the inner bulb communicates with the space between the bulbs so that the two bulbs stay at practically the same temperature through evaporation to and condensation on the outer bulb.

2,496,240
DIAZOTYPES STABILIZED WITH SULFO AMINO BENZOIC ACIDS
William H. Von Glahn, Loudonville, and Lester N. Stanley, Delmar, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 6, 1947, Serial No. 753,034
6 Claims. (Cl. 95—7)

1. Photoprinting materials comprising light sensitive layers on a suitable base containing in the light sensitive layer a diazo compound suitable for forming a stable two-component diazotype layer, an azo dye coupling component and a member of the class consisting of sulfo amino benzoic acids and their N-substituted derivatives wherein the substituent group is a member of the class consisting of hydrocarbon and substituted hydrocarbon groups.

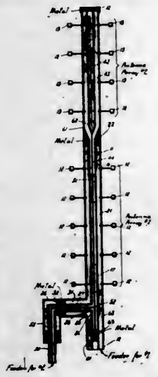
2,496,241
REFRIGERATING METHOD AND APPARATUS UTILIZING DRY ICE
George B. Wagner, Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y., a corporation of New York
Application January 19, 1946, Serial No. 642,312
3 Claims. (Cl. 62—91.5)



1. A method of maintaining an insulated storage zone at predetermined temperature, which consists in evaporating Dry Ice within a closed zone, conducting the evaporation gas therefrom along a closed path disposed in heat exchanging relation to the storage zone, controlling the temperature of the storage zone by venting the closed path at predetermined pressure, evaporating Dry Ice within a second closed zone, and utilizing the evaporation gas from the second closed zone to drive a compressor and create a suction from the first closed zone through said path when the temperature in the storage zone reaches a predetermined maximum.

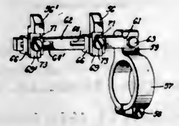
2,496,242
ANTENNA SYSTEM
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 22, 1944, Serial No. 546,181
24 Claims. (Cl. 250—33)

2. In a system for feeding a plurality of antenna arrays; a first resonant hollow chamber comprising a first outer cylindrical wall, a first inner concentric wall forming with said outer cylindrical wall said first resonant hollow chamber and having a closed end and having a circuit connection at its opposite end for electrically exciting said first chamber, a second resonant hollow chamber comprising a second outer cylindrical wall, a second inner concentric wall forming



with said second outer cylindrical wall said second resonant hollow chamber, said second chamber being mounted in axial alignment with said first chamber and having a circuit connection at its end juxtaposed to said first chamber for electrically exciting said second chamber.

2,496,243
ADJUSTABLE NEEDLE GUIDE FOR SEWING MACHINES
Andrew B. Clayton, Sea Bright, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 27, 1946, Serial No. 718,705
5 Claims. (Cl. 112—227)

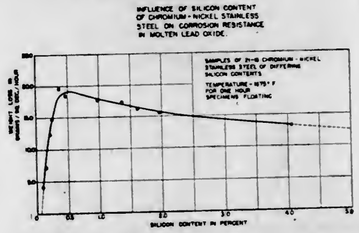


1. In a sewing machine having a bearing support, a needle guide mechanism comprising a split collar clamped to said bearing support, an arm extending vertically from said collar, a horizontally extending bar secured to said arm, said bar having a rectangular slot provided therein, a slide carried by said bar in the region of said rectangular slot, a needle guide having a slot and being carried by said slide, and a bolt for adjustably securing said needle-guide and said slide to said bar.

2,496,244
ION EXCHANGE SUGAR PURIFICATION
Fred L. Gayle, Lake Charles, La., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 12, 1946, Serial No. 702,894
6 Claims. (Cl. 127—46)

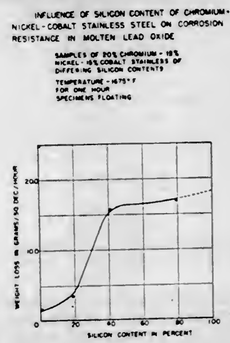
1. A process which comprises passing a raw sugar juice containing ionic impurities through at least one pair of ion exchange materials, the first of each pair being a cation exchanger and the other an anion exchanger, adding about 0.01–0.1% of phosphoric acid, calculated on the basis of the available P_2O_5 and based upon the weight of solids in the juice, thereafter adjusting the pH by means of lime to about 6–8 and removing the precipitated and coagulated material from the solution.

2,496,245
INTERNAL-COMBUSTION ENGINE VALVE
Paul A. Jennings, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
Application April 6, 1948, Serial No. 19,293
8 Claims. (Cl. 75—128)



1. Chromium-nickel stainless steel having substantial hardness at high temperatures and low stretch in combination with substantial resistance to corrosion at high temperatures in the presence of leaded fuel combustion products, and containing about 0.08% to 1.50% carbon, about 12% to 30% chromium, 2% to 35% nickel, all in such proportions as to assure a substantially fully austenitic structure, silicon not exceeding about 0.20%, 0.15% to 0.50% sulphur, phosphorus not exceeding 0.04%, and the remainder substantially all iron.

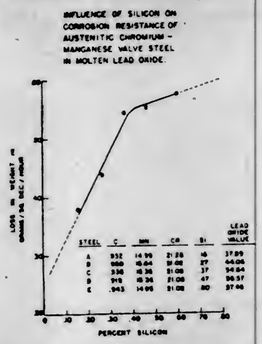
2,496,246
HIGH-TEMPERATURE ARTICLE
Paul A. Jennings, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
Application May 5, 1948, Serial No. 25,109
7 Claims. (Cl. 75—128)



1. Stainless steel having great hardness at high temperatures and low stretch in combination with substantial resistance to corrosion in the presence of leaded fuel combustion products, and containing about 0.05% to 1.5% carbon, 12% to 25% chromium, from 2% to 25% nickel, 3% to

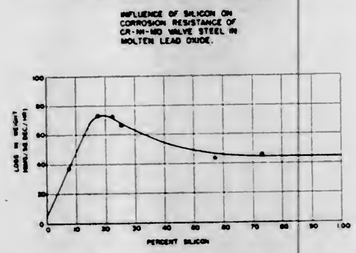
30% cobalt, all in such proportions as to assure a substantially fully austenitic structure, silicon not exceeding about 0.20%, and the remainder substantially all iron.

2,496,247
HIGH-TEMPERATURE ARTICLE
Paul A. Jennings, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
Application August 4, 1948, Serial No. 42,420
4 Claims. (Cl. 75—126)



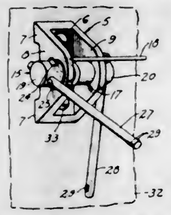
1. Stainless steel having substantial hardness at high temperatures and substantial resistance to corrosion in the presence of leaded fuel combustion products, and containing about 0.08% to 1.5% carbon, about 12% to 30% chromium, about 4% to 17% manganese, all in such proportions as to assure a substantially fully austenitic structure, silicon not exceeding 0.25%, about 0.04% to 0.15% sulphur, phosphorus not exceeding about 0.04%, and the remainder substantially all iron.

2,496,248
INTERNAL-COMBUSTION ENGINE VALVE
Paul A. Jennings, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
Application August 25, 1948, Serial No. 46,085
7 Claims. (Cl. 75—128)



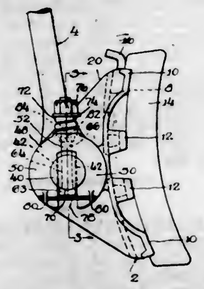
1. Stainless steel having substantial hardness at high temperatures and substantial resistance to corrosion in the presence of leaded fuel combustion products, and containing about 0.35% to 1.0% carbon, about 15% to 30% chromium, about 4.5% to 20% nickel, about 1% to 4.5% molybdenum, all in such proportions as to assure a substantially fully austenitic structure, silicon not exceeding about 0.15%, and the remainder substantially all iron.

2,496,249
LINE TIGHTENER
Marion E. Lawrence, Long Beach, Calif., assignor to Harmon E. Farr, Long Beach, Calif.
Application January 29, 1946, Serial No. 644,075
2 Claims. (Cl. 254—161)



1. A device for tensioning a line between a line support and a point remote therefrom, comprising: a U-shaped frame member including a mounting portion adapted to be disposed against the line support, and spaced arms projecting from said mounting portion, said arms being provided with circular bearing apertures; a drum member rotatable in said apertures with its ends projecting beyond said arms, one of said ends having an enlarged portion, and each of said ends having a diametrical hole, said drum member having a hole for receiving the end of said line to secure said line thereto; and elongated handle members slidable in said diametrical holes and provided with means for preventing their withdrawal from said diametrical holes, said handle members being alternately slid downwardly in the diametrical holes under the influence of gravity during rotation of said drum member to engage against the line support to prevent reverse rotation of said drum member, said enlarged portion at one end of said drum member and the handle member at the other end of said drum member being adapted to automatically engage said arms to retain said drum member in said bearing apertures.

2,496,250
BRAKEHEAD ARRANGEMENT
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 14, 1945, Serial No. 628,543
18 Claims. (Cl. 188—207)

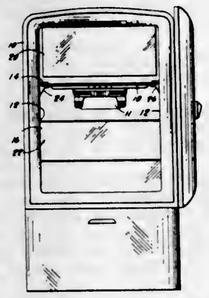


1. In a brake head balancing device, a brake beam having a trunnion terminating at its inboard end in a shoulder, a brake head pivotally mounted on said trunnion, spaced parallel transverse slots in said trunnion at the outboard end thereof, coplanar diagonal surfaces on said trunnion in said slots sloping toward said head, a wedge member having spaced legs within said slots in complementary engagement with said surfaces, a bolt extending through an opening in said trunnion between said slots and an opening in said member, abutment means on said bolt, resilient means sleeved over said bolt and compressed between said abutment means and said member for operatively urging the latter along said surfaces into frictional engagement with said head and said head into frictional engagement with said shoulder, and interengaging stop means on said member and said head for limiting rotation of said head on said trunnion.

2,496,251
ALCOHOL PROCESS
Henry O. Mottern, Hillside, N. J., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 14, 1945, Serial No. 635,107
11 Claims. (Cl. 260—639)

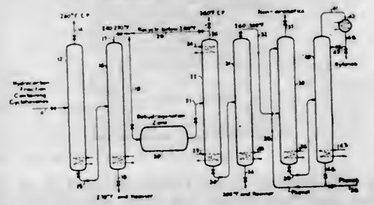
1. In a process for producing secondary monohydric alcohols from aliphatic normal monoolefins which comprises contacting a hydrocarbon stream containing normal olefins and 2–14% tertiary olefins based on total hydrocarbon with a strong mineral acid in an absorption zone to form an acid extract phase of the normal olefin and a hydrocarbon phase containing dissolved dialkyl ester of the normal olefin and the mineral acid, which extract is subsequently hydrolyzed and secondary monohydric aliphatic alcohol recovered from the hydrolyzed extract, the improvement which comprises adding to the hydrocarbon stream a hydrocarbon solution of the dialkyl ester of the normal olefin and the mineral acid containing traces of strong mineral acid prior to introduction of the hydrocarbon stream into the absorption zone.

2,496,252
REFRIGERATOR CABINET CONSTRUCTION
John W. Norrish, Lockland, and Alfred E. Nave, Cincinnati, Ohio, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application December 28, 1948, Serial No. 67,698
5 Claims. (Cl. 62—89)



1. In a refrigerator cabinet having an evaporator positioned in the upper portion thereof, a support member on each of two walls of said cabinet, a partition slidably positioned on said support members dividing said cabinet into upper and lower compartments, a stop on one of said support members, a stop on said partition cooperating with said first-mentioned stop for limiting the depth to which said partition may be inserted in said cabinet, a raised boss on one of said support members, and a channel in said partition cooperating with said boss for preventing unintentional removal of said partition from said cabinet.

2,496,253
PRODUCTION OF XYLENES
Glenn Purcell, Hillsdale, N. J., and Douglas C. Hausch, Jackson Heights, N. Y., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 20, 1947, Serial No. 749,328
7 Claims. (Cl. 260—668)

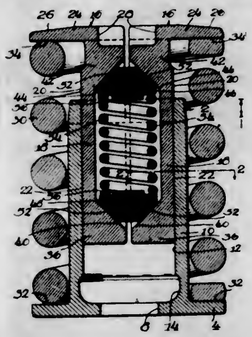


7. In a process for the production of xylenes which comprises the steps of: subjecting a hydrocarbon fraction consisting essentially of a predominant proportion of dimethylcyclohexane hydrocarbons and of open-chain paraffin hydrocarbons with similar volatility to said dimethylcyclohexanes and to xylenes, to catalytic dehydrogenation under conditions to dehydrogenate at least a substantial portion of said dimethylcyclohexanes to corresponding xylenes, while leaving a substantial portion of unchanged dimethylcyclohexanes, thereby producing a mixture consisting essentially of xylenes, unchanged dimethylcyclohexanes and said paraffin hydrocarbons; fractionally distilling said mixture and separating therefrom a xylenes fraction containing essentially all of said xylenes in said mixture; subjecting said separated xylenes fraction to extractive distillation with a phenol at a temperature above the bubble temperature of said xylenes fraction to separate said xylenes as an extract in said phenol from the non-aromatic hydrocarbons in said xylenes fraction; and recovering the xylenes from said extract; the improvement which comprises carrying out the fractional distillation of the mixture consisting essentially of xylenes, unchanged dimethylcyclohexanes and paraffin hydrocarbons at a sufficiently high temperature so as to remove essentially all of the unchanged dimethylcyclohexanes from the xylenes and to separate therefrom a xylenes fraction which is essentially free from dimethylcyclohexanes.

2,496,254
SNUBBER
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 15, 1945, Serial No. 599,700
1 Claim. (Cl. 267—9)

A snubber adapted to support a bolster member from a frame member of a railway car truck, said snubber comprising a housing follower including an annular base and a cylindrical barrel integrally formed therewith and merging with said base intermediate its radially inner and outer perimeters, a pair of cylindrical shoes in said barrel having complementary cylindrical face engagement with the inner surface thereof,

the inner ends of the shoes having projections extending toward the longitudinal axis of the barrel, and said shoes having ledges externally of the barrel projecting toward said axis, the shoes being formed with integral flanges aligned



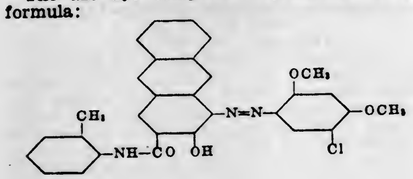
with the portion of said base externally of the barrel, said flanges and the outer surfaces of said ledges defining a socket for the reception of positioning means on one of said members, a pair of wedges, each having converging arcuate surfaces, the surfaces of one wedge being engaged with complementary arcuate faces of respective projections converging toward the base, and the surfaces of the other wedge being engaged with complementary arcuate faces of respective ledges converging toward said socket, a coil spring compressed between said wedges, and a single coil spring sleeved over the barrel, the ends of the last-mentioned coil spring being seated respectively against the base and the flanges.

2,496,255
AZO DYES

William Henry von Glahn, Loudonville, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 2, 1946, Serial No. 659,160
1 Claim. (Cl. 260—192)

The azo dye compound represented by the formula:



ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

618,585. PRODUCTION OF FINISHED PHOTOGRAPHIC EMULSION LAYERS. Jean Léauté, Vincennes, France. Filed Sept. 25, 1945. Published Jan. 31, 1950. Class 154—136. No drawing.

In the protection of layers of gelatin containing photographic images, for example, gelatino silver halide emulsions, sheets of abrasion-resistant material such as simple or mixed cellulose ester may be laminated to the gelatin layers. Cellulose acetate may be used for this purpose, the surface of the cellulose acetate sheet which comes in contact with the gelatin layer being first saponified or hydrolyzed by known methods. A preferred thickness of the saponified layer is 0.01 mm. but it may vary from 0.005 to 0.03 mm. depending on the thickness of the film to be cemented.

The superficial saponification of the cellulose ester film may be accomplished continuously or discontinuously by a known method. In the case of cellulose acetate the saponification may be accomplished by immersion or by application of an aqueous or aqueous alcoholic solution, for example, ethanol and water 80:20 to 60:40 or methanol and water 90:10 to 50:50, containing from 0.5 to 8% of sodium or potassium hydroxide.

After saponification of the cellulose ester sheet, it is desirable to separate the free base from the superficially saponified layer and also the plasticizers which have been brought to the surface in the case of a solution which produces swelling. For this purpose, the sheet is washed with water, alcohol, acetone-alcohol or other solvent.

The saponified surface of the cellulose ester is swellable in water as is the gelatin layer and the cementing may be accomplished by first wetting both the gelatin layer and the hydrolyzed cellulose ester layer with warm or cold water followed by pressing the two surfaces together.

In cementing the hydrolyzed surface of the cellulose acetate film to gelatin with cold water at 20° C. in a drying apparatus, satisfactory adhesion of the film (for example, acetylated to an acetic acid equivalent of 54%) of 0.1 mm. thickness, and plasticized with 15% triphenyl phosphate and 15% tricresyl phosphate, is obtained by deacetylating as follows:

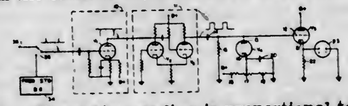
(1) Treat film with an aqueous 4% solution of sodium hydroxide at 45° C. for 3 minutes, then wash film with water.

(2) Treat film with an aqueous alcoholic solution (ethanol and water 70:30) containing 2% sodium hydroxide at 30° C. for 60 seconds and wash film with ethanol.

In addition to the production of gelatin layers, the method may also be applied to the production of other natural or synthetic colloids which swell or are soluble in water such as albumen, casein, methyl cellulose, saponification products of polyvinyl acrylic ester, polyvinyl alcohol, polyamide, etc.

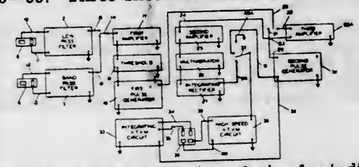
665,998. ELECTRICAL CIRCUIT. Sidney B. Cohen, Brooklyn, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Apr. 30, 1946. Published Jan. 31, 1950. Class 175—368. One sheet of drawings.

The disclosure relates to a circuit for measuring the frequency of a signal repetition. Positive signal pulses are applied to amplifier 18 which amplifies and inverts the pulses and applies them to trigger the one-shot multivibrator 11. The output signal of pulse generator 11 is amplitude limited by V_4 and supplied to cathode follower V_5, in the cathode circuit of which is a D. C. volt-



meter. The meter reading is proportional to the width, amplitude and frequency of the pulses appearing at cathode 21. Since the width is kept constant due to the multivibrator 11, and the amplitude is kept constant by diode limiter V_4; the meter will indicate frequency.

673,221. VOLTAGE MEASURING MEANS AND METHODS. Deslonde R. de Boisblanc, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware. Filed May 31, 1946. Published Jan. 31, 1950. Class 73—35. Three sheets of drawings.



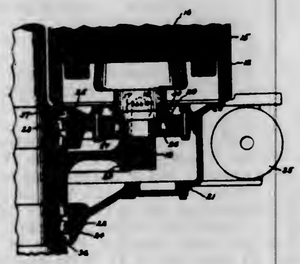
This apparatus relates to a device for indicating various functions of detonation or knock intensity in cylinder of an internal combustion engine. With switch 14 in its upper position, switch 20 engaging contact 21, and switch 37 in its lower position, electrical voltages representative of cylinder pressure variations are fed, in one channel, through units 2, 17, 18, 19, 30, and 33 to one coil of a ratiometer. In another channel, the voltages are fed through units 2, 17, 18, 19, 25, 26, 27, and 28 to another coil of the ratiometer. This produces a steady reading on the instrument which is compensated for variation in the average number of knocking cycles per second. With switch 14 in its upper position, switch 20 engaging contact 21, and switch 37 in its middle position, the voltages are fed through units 2, 17, 18, 19, 30, and 33 to the meter. With this connection, the meter instantaneously deflects to indicate peak knock intensity. With switch 14 in its lower position, switch 20 engaging contact 22, and switch 37 in its upper position, the impulses are fed through units 3, 17, 18, 19, 23A, 30, and 33 to the meter. This produces a steady reading on the meter representing the time average of peak knock intensity.

687,238. PRODUCTION OF BARIUM MANGANATE. George S. Haines, South Charleston, Dwight Williams, Charleston, and Robert M. Thomas, South Charleston, W. Va., assignors to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed July 30, 1946. Published Jan. 31, 1950. Class 23—58. No drawing.

Barium manganate is produced in high yields by introducing a soluble manganate, preferably

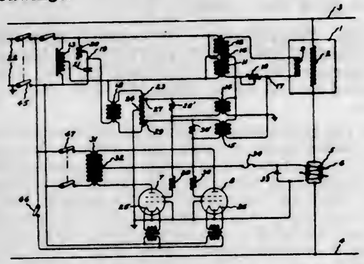
an alkali metal manganate in solid or undissolved state into an aqueous solution of a soluble barium compound, preferably barium chloride present in excess, maintained at an elevated temperature substantially below boiling, the alkali metal manganate used being an impure product, preferably that obtained by oxidizing a mixture of pyrolusite and potassium hydroxide, the resulting mixture being agitated, the precipitate separated as by filtration, and washed with water to remove impurities including chlorides or the chloride ion. Particular conditions disclosed, including those in the examples, are that the impure manganate may contain as much as 18% potassium carbonate and 5.3% manganese dioxide, the barium chloride solution used is preferably from 10 to 25% in excess of that theoretically required to react with the alkali metal manganate, the temperatures maintained during reaction are preferably between 20° and 90° C., the length of time the reaction is maintained between 15 minutes to 2 hours, and the yield of barium manganate between 90.8 and 95.6%. The addition of potassium manganate in solid form to the barium chloride solution minimizes disproportionation of the manganate and, by eliminating the prior art treatment with alkali, avoids the loss in yield encountered in such art process wherein the manganate is employed initially in the form of an aqueous solution. The barium manganate obtained by the above process may be converted to calcium permanganate by processes described in the prior art.

702,509. RAILWAY TRUCK AND AXLE DRIVE. James C. Rhoads, Erie, Pa., assignor to General Electric Company, a corporation of New York. Filed Oct. 10, 1946. Published Jan. 31, 1950. Class 105—113. Two sheets of drawings.



Discloses an axle drive for a railway truck including an axle gear 20, a driving motor 12 having a drive shaft 17 and a driving pinion 18 secured in an opening in the end of the shaft 17 by a tapered stub shaft 19. A gear casing 21 is arranged around the axle gear 20 and pinion 18 forming a lubricating reservoir. Antifriction bearings 22 and 23 are provided for supporting the gear casing 21 on the axle. Antifriction bearings 26 are mounted in the wall of the gear casing 21 adjacent the motor 12 to support the shaft 17 of the motor. The outside diameter of the pinion 18 is smaller than the inside of the bearing 26 to facilitate removal of the motor 12. A hanger extending between the truck frame and supporting bracket 35 retains the motor and gear casing in the desired position.

735,929. TEMPERATURE CONTROL SYSTEM. Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Mar. 20, 1947. Published Jan. 31, 1950. Class 219—20. One sheet of drawings.



A proportional temperature control for a furnace 1, having a heating resistor 2, the current in which is regulated by means of a saturable reactor 5, the exciting winding 6 of which is energized by two thyratrons 7 and 8. Temperature responsive grid voltages are supplied to the thyratrons by means of transformers 14 and 15 energized by a Wheatstone bridge having a high positive temperature coefficient of resistance 9 in the furnace and exterior resistances 10, 11 and 12. These grid voltages are zero at a predetermined intermediate furnace operating temperature and in phase or 180 degrees out of phase with the plate voltages of the thyratrons at furnace temperatures below or above this intermediate temperature. A transformer 18 introduces grid bias voltages lagging between 100 and 160 degrees with respect to the plate voltage and having an amplitude substantially the same as the starting grid voltage of the thyratrons. The voltages from the transformers 14 and 15 are combined algebraically with the grid bias voltages from the transformer 18 in such manner as to decrease the grid voltages of the thyratrons for increased current in the resistor in response to furnace temperatures below the predetermined operating temperature and increase the grid voltages for decreased current in the resistor in response to furnace temperatures above the predetermined operating temperature thereby gradually to vary the current supplied to the resistor and maintain the furnace temperature substantially at the predetermined operating temperature.

772,215. ACCELERATING THE POLYMERIZATION OF POLYALLYL ESTERS. Edwin H. Kroeker, Cheltenham, and Harry T. Neher, Bristol, Pa. Filed Sept. 4, 1947. Published Jan. 31, 1950. Class 260—78.4. No drawing.

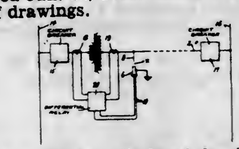
This application relates to a process for accelerating the polymerization of polyallyl esters of polybasic carboxylic acids by conducting the polymerization in the presence of a peroxidic catalyst and a small amount of methacrylamide. It has been found that by adding ½% to 5% of methacrylamide along with about ½% to about 5% of a peroxide catalyst to the polyallyl ester and heating the resulting mixture at 70°–100° C., the length of the induction period is reduced. The gelled polymer formed is cured to a hard insoluble resin by heating it at about 100°–150° C. The danger of color formation in the polymer is reduced when methacrylamide is used since relatively small concentration of peroxides may be employed as well as reduced heating times and temperatures required for promoting initial polymerization.

Diallyl oxalate heated at 100° C. in the presence of ½ to 5% of methacrylamide and 1% to 3% benzoyl peroxide gelled in a relatively short time. Other typical diallyl esters, the initial polymerization of which may be accelerated and controlled with small amounts of methacrylamide, are bis(allyl glycolyl) succinate, bis(allyl glycolyl) acetal, allyl succinyl allyl glycolate, diallyl phthalate, diallyl diglycolate, diallyl malonate, diallyl succinate, diallyl adipate, diallyl sebacate, allyl citrate, diallyl tartrate, diethylene glycol bis(allyl carbonate), allyl diglycolyl allyl glycolate, and polyallyl esters of dicarboxylic or other polycarboxylic acid which is free from olefinic bonds.

A series of diallyl esters was prepared and all esters were carefully purified. Portions of each diallyl ester were taken and treated with 2% of tert.-butyl perbenzoate. To one set of these there was added 2% of methacrylamide and to another sat 1% of methacrylamide. Yet another set served as controls. All of these portions were then placed in an oven at 100° C. and observed from time to time for gelation. At the end of three hours it was found that the portions of bis(allyl glycolyl) succinate, bis(allyl glycolyl) acetal, and allyl succinyl allyl glycolate which contained methacrylamide had all gelled. They were then cured at 125° C. for four hours to yield hard, transparent solids. The control portions of these particular esters required from four to four and one-half hours for gelation.

Samples of diallyl phthalate and diallyl diglycolate with 1% to 5% of methacrylamide and 2% of the same catalyst were gelled within three and one-half hours.

65,705. MEANS FOR APPLYING A LINE-TO-GROUND FAULT ON AN ELECTRICAL CONDUCTOR. Theron A. Cramer, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York. Filed Dec. 16, 1948. Published Jan. 31, 1950. Class 175—294. One sheet of drawings.

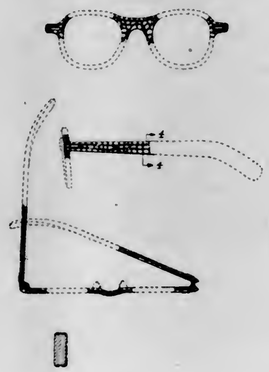


An arrangement is disclosed for intentionally placing a ground fault on a transmission line (2) to trip a remotely located overcurrent responsive circuit breaker (17) and thereby deenergize the line in order to protect a faulted transformer supplied with electrical power from the line. The system comprises a grounded explosive cartridge (6) capable of emitting a hot conductive gas when fired, an arcing tip (8) electrically connected to the transmission line (2) and positioned in the path of the hot gas and means (20) responsive to an internal fault in the transformer for firing the cartridge (6).

DESIGNS

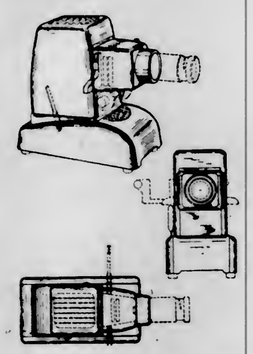
JANUARY 31, 1950

157,021
SPECTACLE FRAME
Albert L. Anderson and Leslie W. Myers, Minneapolis, Minn., assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application November 4, 1948, Serial No. 149,458
Term of patent 3½ years
(Cl. D57—1)



The ornamental design for a spectacle frame, as shown and described.

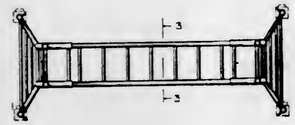
157,022
PROJECTOR
John T. Armbruster, Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 13, 1949, Serial No. 208
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a projector, substantially as shown and described.

157,023
SCAFFOLD HORSE
Dabney Ashenfelter, Swanton, Ohio, assignor to Bil-Jax, Inc., Archbold, Ohio, a corporation of Ohio
Application June 10, 1948, Serial No. 146,880
Term of patent 14 years
(Cl. D54—1)

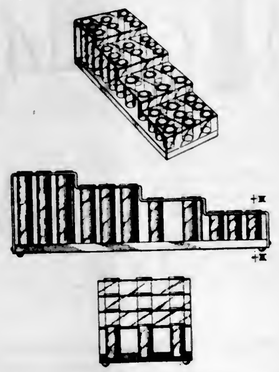






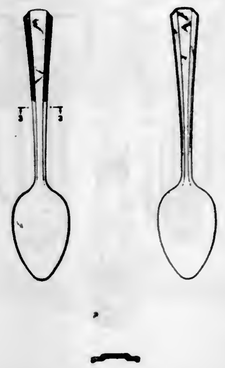
The ornamental design for a scaffold horse, substantially as shown and described.

157,024
DISPLAY CABINET
Stephen V. Bacco, Brooklyn, N. Y., and Malcolm McVickar, Fitchburg, Mass., assignors to The Spool Cotton Company, New York, N. Y., a corporation of New Jersey
Application July 2, 1948, Serial No. 147,344
Term of patent 14 years
(Cl. D80—11)



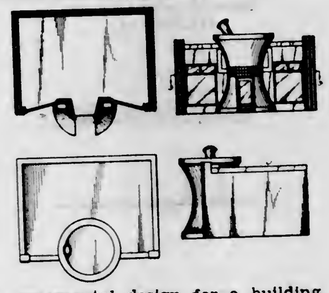
The ornamental design for a display cabinet, as shown.

157,025
SPOON OR OTHER ARTICLE OF FLATWARE
Milton B. Baker and David A. Baker, Hamden, Conn., assignors to The Majestic Silver Company, New Haven, Conn., a corporation of Connecticut
Application February 19, 1949, Serial No. 956
Term of patent 14 years
(Cl. D54—12)



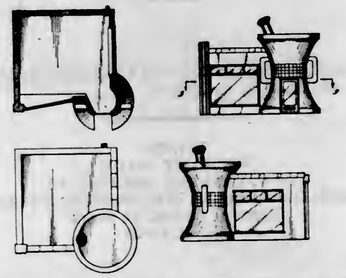
The ornamental design for a spoon or other article of flatware, substantially as shown.

157,026
BUILDING
Michael Mendell Boonin, Upper Darby, Pa.
Application April 5, 1948, Serial No. 145,515
Term of patent 14 years
(Cl. D13—1)



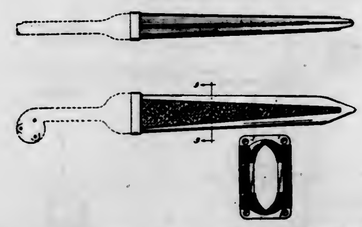
The ornamental design for a building, substantially as shown.

157,027
BUILDING
Michael Mendell Boonin, Upper Darby, Pa.
Application April 5, 1948, Serial No. 145,516
Term of patent 14 years
(Cl. D13—1)



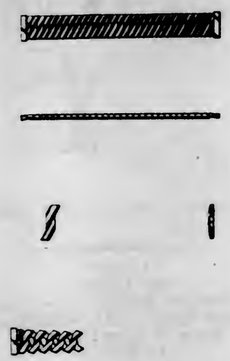
The ornamental design for a building, substantially as shown.

157,028
ILLUMINABLE SEMAPHORE SIGNAL ARM FOR AUTOMOTIVE VEHICLES
Louis W. Carlson, Port Orchard, Wash., assignor to Vac-O-Lite Signal Co., Inc., a corporation of Washington
Application August 28, 1948, Serial No. 148,352
Term of patent 14 years
(Cl. D72—1)



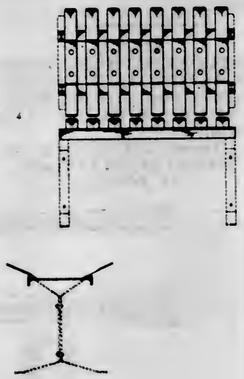
The ornamental design for an illuminable semaphore signal arm for automotive vehicles, as shown and described.

157,029
EXPANSIBLE BRACELET
Attilio Castiglioni, Philadelphia, Pa., assignor to French Jewelry Co., a corperation of Pennsylvania
Application February 17, 1948, Serial No. 144,538
Term of patent 7 years
(Cl. D45—4)



The ornamental design for an expansible bracelet, substantially as shown.

157,030
SUPPORT RACK
Earl C. Chatfield, Oak Park, Ill.
Application June 19, 1947, Serial No. 140,144
Term of patent 14 years
(Cl. D33—3)



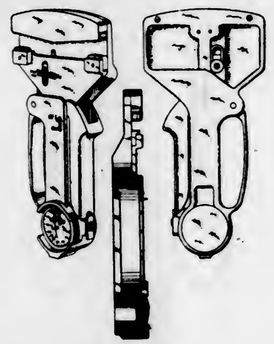
The ornamental design for a support rack, as shown.

157,031
COMBINED CAMISOLE AND SLIP
Harry Colton, New York, N. Y.
Application May 6, 1948, Serial No. 146,197
Term of patent 3½ years
(Cl. D3—26)



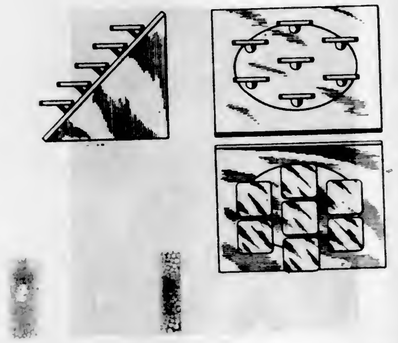
The ornamental design for a combined camisole and slip, substantially as shown.

157,032
CABLE TENSION INDICATOR
Clifford E. Cushman, Burbank, Calif., assignor to Sturgess, Inc., Glendale, Calif., a corporation of California
Application July 16, 1946, Serial No. 131,615
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a cable tension indicator, substantially as shown.

157,033
DISPLAY RACK
Homer C. Douglas, Kansas City, Kans.
Application March 29, 1948, Serial No. 145,415
Term of patent 3½ years
(Cl. D80—9)



The ornamental design for a display rack, as shown and described.

157,034
SHOE OR SIMILAR ARTICLE OF FOOTWEAR
James F. Eldon, Melrose, Mass., assignor to Converse Rubber Corporation, Malden, Mass., a corporation of Massachusetts
Application September 18, 1948, Serial No. 148,647
Term of patent 14 years
(Cl. D7—7)



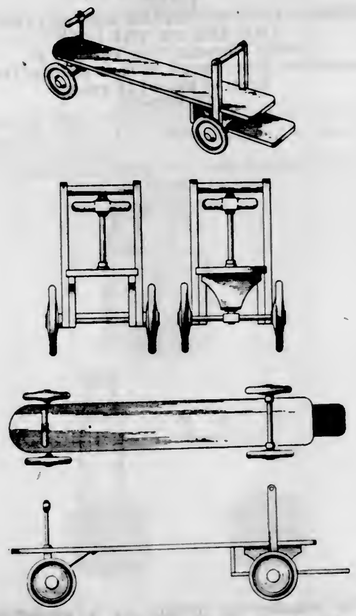
The ornamental design for a shoe or similar article of footwear, substantially as shown and described.

157,035
KEYHOLE ILLUMINATOR
Arnold I. Feuerman, Detroit, Mich.
Application July 26, 1947, Serial No. 140,549
Term of patent 14 years
(Cl. D48—20)



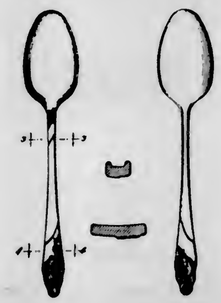
The ornamental design for a keyhole illuminator, substantially as shown.

157,036
TOY VEHICLE
James B. Fisher, Waukesha, Wis.
Application April 26, 1946, Serial No. 128,975
Term of patent 14 years
(Cl. D34—15)



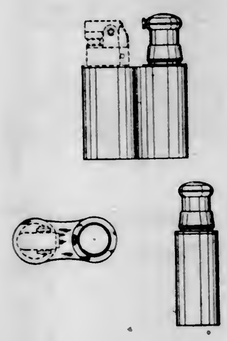
The ornamental design for a toy vehicle, substantially as shown.

157,037
SPOON OR SIMILAR ARTICLE
Mary P. Fleming, Fulton, N. Y., assignor to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application March 25, 1949, Serial No. 1,610
Term of patent 14 years
(Cl. D54—12)



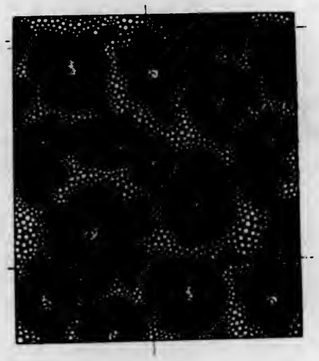
The ornamental design for a spoon or similar article, substantially as shown and described.

157,038
COMBINATION ATOMIZER AND CIGARETTE LIGHTER OR THE LIKE
Irving Florman, New York, N. Y.
Application September 2, 1948, Serial No. 148,420
Term of patent 14 years
(Cl. D83—1)



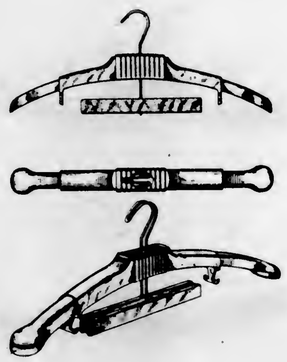
The ornamental design for a combination atomizer and cigarette lighter or the like, substantially as shown and described.

157,039
TEXTILE FABRIC
Ellen Freitag, Long Island, N. Y.
Application July 13, 1949, Serial No. 3,881
Term of patent 3½ years
(Cl. D92—1)



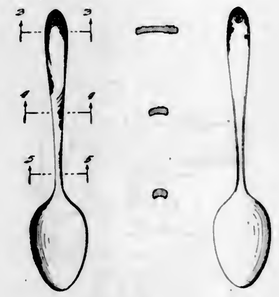
The ornamental design for a textile fabric, substantially as shown and described.

157,040
COMBINATION GARMENT HANGER OR SIMILAR ARTICLE
Fred John Geisler, Chicago, Ill.
Application June 26, 1948, Serial No. 147,226
Term of patent 7 years
(Cl. D80—8)



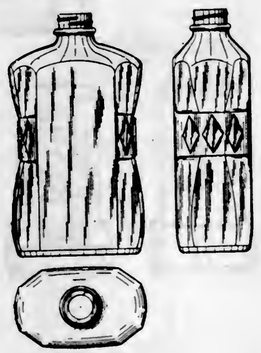
The ornamental design for a combination garment hanger or similar article, substantially as shown.

157,041
SPOON OR SIMILAR ARTICLE
William H. Gerth, Oneida, N. Y., assignor to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application February 25, 1949, Serial No. 1,078
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, substantially as shown and described.

157,042
BOTTLE
Robert A. Gowdy, Westfield, Mass., assignor to Stanley Home Products, Inc., Westfield, Mass., a corporation of Massachusetts
Application December 9, 1948, Serial No. 150,054
Term of patent 14 years
(Cl. D58—6)



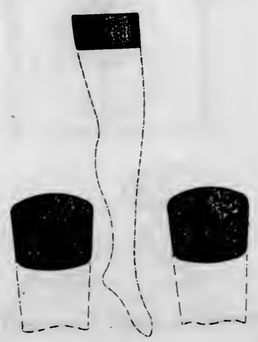
The ornamental design for a bottle as shown, and described.

157,043
GIFT BOX
Gilbert S. Gruber, Somerville, and Kathryn N. Delany, Brookline, Mass., assignors to Oxford Products Corp., Boston, Mass., a corporation of Massachusetts
Application December 2, 1948, Serial No. 149,918
Term of patent 7 years
(Cl. D58—11)



The ornamental design for a gift box, as shown and described.

157,044
STOCKING
Richard L. Hall, Frederick, Md., assignor to Union Manufacturing Co., Frederick, Md., a corporation of Maryland
Application January 15, 1949, Serial No. 246
Term of patent 14 years
(Cl. D47—7)

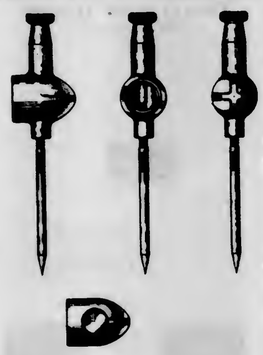


157,044—Continued



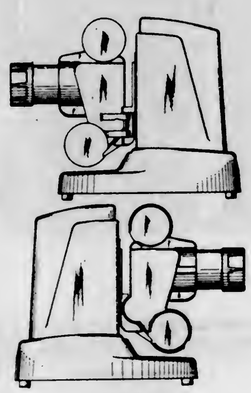
The ornamental design for a stocking, as shown and described.

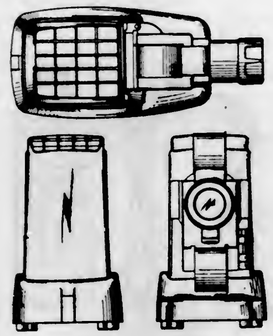
157,045
LAWN SPRINKLER
John K. Heick, Chicago, Ill., assignor to Heick Die Casting Corp., Chicago, Ill., a corporation of Illinois
Application June 14, 1948, Serial No. 146,956
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a lawn sprinkler, as shown.

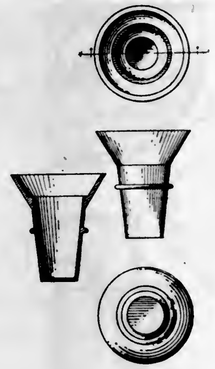
157,046
PROJECTOR
Frederick W. Hertsler, Detroit, Mich., assignor to Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan
Application March 18, 1949, Serial No. 1,461
Term of patent 3½ years
(Cl. D61—1)





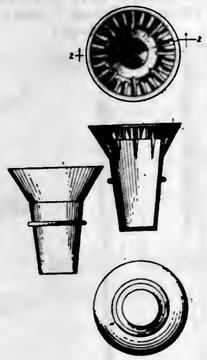
The ornamental design for a projector, as shown.

157,047
ICE-CREAM CUP
Albert Aba Heyman, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application September 29, 1948, Serial No. 148,876
Term of patent 14 years
(Cl. D8—1)



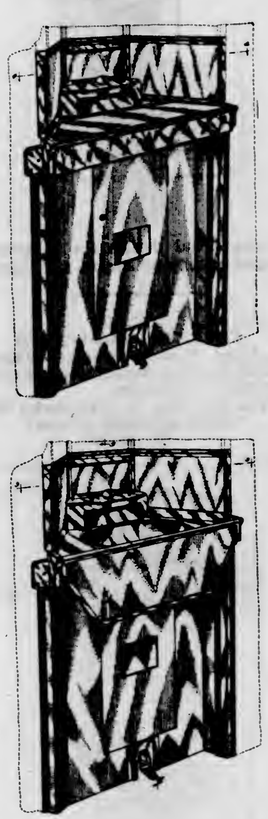
The ornamental design for an ice-cream cup, substantially as shown.

157,048
ICE-CREAM CUP
Albert Aba Heyman, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application September 29, 1948, Serial No. 148,877
Term of patent 14 years
(Cl. D8—1)

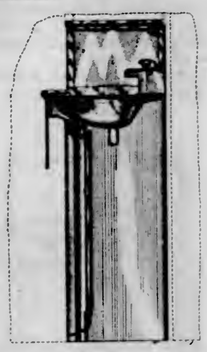


The ornamental design for an ice-cream cup, substantially as shown.

157,049
COVERED WASHSTAND
Basil E. Jones, Flossmoor, Ill., assignor to Pullman-Standard Car Manufacturing Company, a corporation of Delaware
Application December 29, 1948, Serial No. 150,422
Term of patent 14 years
(Cl. D4—2)

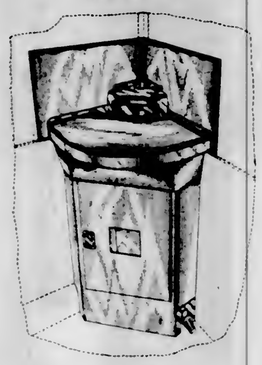


157,049—Continued



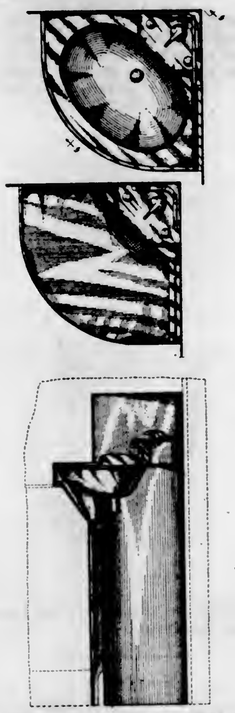
The ornamental design for a covered washstand, substantially as shown and described.

157,050
COVERED WASHSTAND
Basil E. Jones, Flossmoor, Ill., assignor to Pullman-Standard Car Manufacturing Company, a corporation of Delaware
Application December 31, 1948, Serial No. 150,472
Term of patent 14 years
(Cl. D4—2)



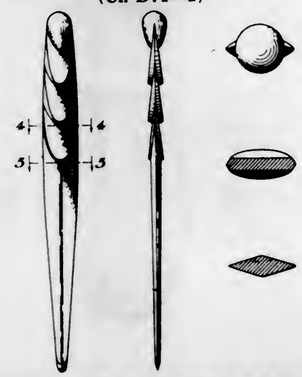


157,050—Continued



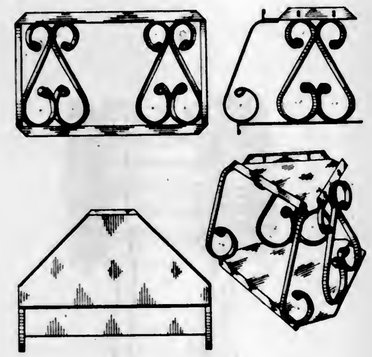
The ornamental design for a covered washstand, substantially as shown and described.

157,051
COMBINATION LETTER OPENER AND DIALER
Cleone L. Kahn, Cleveland, Ohio
Application June 2, 1949, Serial No. 3,010
Term of patent 7 years
(Cl. D74—1)



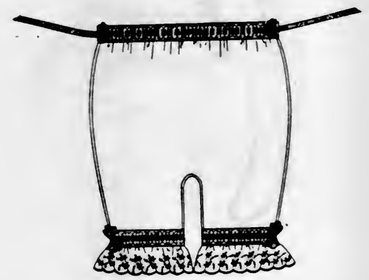
The ornamental design for a combination letter opener and dialer, substantially as shown.

157,052
CORNER RADIO OR UTILITY SHELF
Harry Kaplan and Sidney Eidinger, Brooklyn, N. Y.
Application August 2, 1948, Serial No. 147,896
Term of patent 3½ years
(Cl. D33—3)



The ornamental design for a corner radio or utility shelf as shown.

157,053
APRON
Jane Kirsch, New York, N. Y.
Application February 25, 1949, Serial No. 1,089
Term of patent 14 years
(Cl. D3—26)



The ornamental design for an apron, substantially as shown.

157,054
WALLET
Simon Knee, Newark, N. J.
Application October 22, 1949, Serial No. 5,658
Term of patent 14 years
(Cl. D87—3)



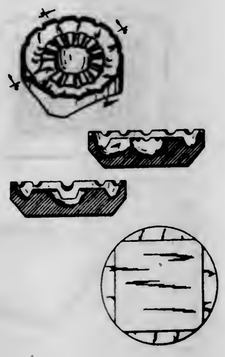
The ornamental design for a wallet, substantially as shown.

157,055
WALLET
Simon Knee, Newark, N. J.
Application October 22, 1949, Serial No. 5,659
Term of patent 14 years
(Cl. D87—3)



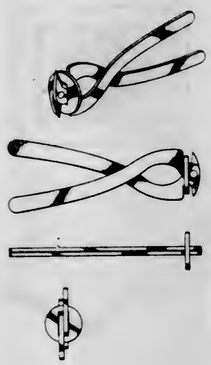
The ornamental design for a wallet, substantially as shown.

157,056
ASH TRAY
Ignatz Kohn, New York, N. Y.
Application December 3, 1948, Serial No. 149,939
Term of patent 7 years
(Cl. D85—2)



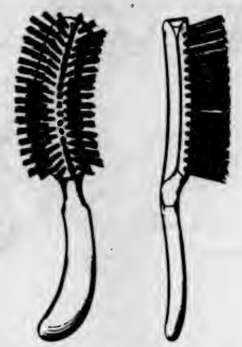
The ornamental design for an ash tray, as shown.

157,057
AUTOMOBILE DOOR LATCH FLANGING TOOL
Virgil O. Lane, Arcadia, Calif.
Application May 24, 1948, Serial No. 146,550
Term of patent 7 years
(Cl. D54—13)



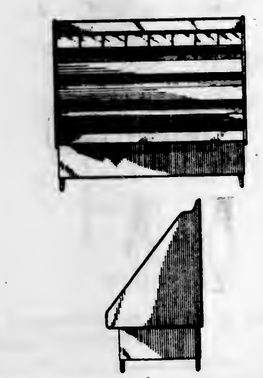
The ornamental design for an automobile door latch flanging tool, substantially as shown.

157,058
BRUSH
Samuel J. Langer, Troy, N. Y., assignor to Tek Hughes, Inc., a corporation of New York
Application April 10, 1948, Serial No. 145,632
Term of patent 14 years
(Cl. D86—10)



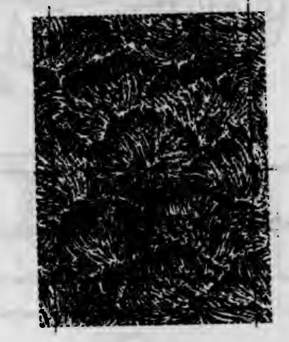
The ornamental design for a brush, as shown.

157,059
SHOWCASE
Walter A. Lapham, Chicago, Ill., assignor to E. J. Brach & Sons, Chicago, Ill., a corporation of Illinois
Application September 1, 1948, Serial No. 148,409
Term of patent 14 years
(Cl. D86—11)



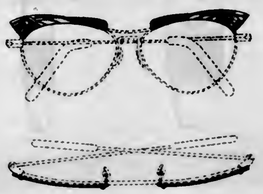
The ornamental design for a showcase, substantially as shown.

157,060
CARPET OR THE LIKE
Charles D. Lehner, Long Island City, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application October 6, 1948, Serial No. 148,984
Term of patent 14 years
(Cl. D92—4)



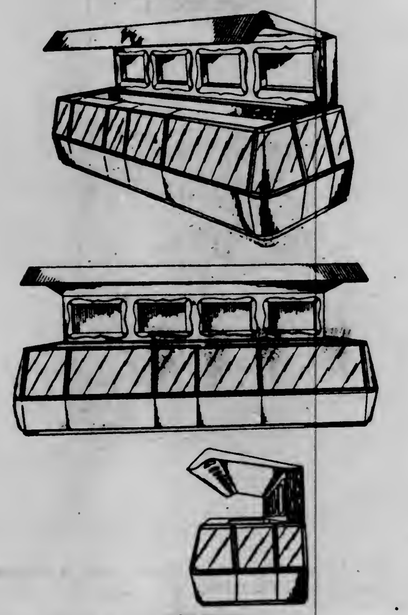
The ornamental design for a carpet or the like, as shown and described.

157,061
SPECTACLE FRAME
Frank W. Lindblom, Warwick, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application July 30, 1949, Serial No. 4,221
Term of patent 3½ years
(Cl. D57—1)



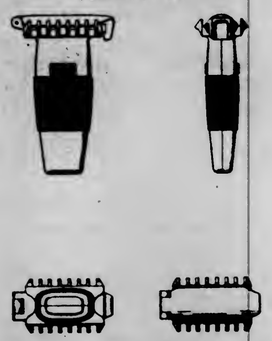
The ornamental design for a spectacle frame, substantially as shown and described.

157,062
DISPLAY COUNTER
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Superdisplay, Incorporated, Milwaukee, Wis., a corporation of Wisconsin
Application April 9, 1948, Serial No. 145,624
Term of patent 14 years
(Cl. D60—11)



The ornamental design for a display counter, as shown.

157,063
RAZOR TYPE HAIR TRIMMER
Warren M. Mansfield, Glendale, Calif., assignor, by mesne assignments, to Roy P. M. Davis, Los Angeles, Calif.
Application January 3, 1949, Serial No. 38
Term of patent 14 years
(Cl. D22—3)



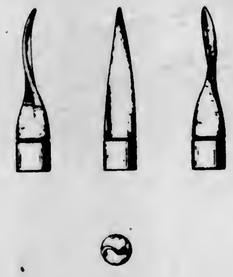
The ornamental design for a razor type hair trimmer, substantially as shown.

157,064
REVERSIBLE HAIR TRIMMER
Warren M. Mansfield, Glendale, Calif., assignor, by mesne assignments, to Roy P. M. Davis, Los Angeles, Calif.
Application January 24, 1949, Serial No. 439
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a reversible hair trimmer, substantially as shown.

157,065
BOTTLE CAP
Ladislas Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application August 18, 1948, Serial No. 148,165
Term of patent 7 years
(Cl. D58—26)



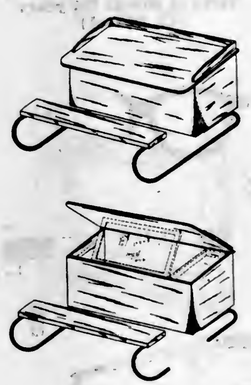
The ornamental design for a bottle cap, as shown.

157,066
JUVENILE CHAIR
Harley H. Melxian, Detroit, Mich., assignor of one-half to W. B. Ford Design Corporation, Detroit, Mich., a corporation of Michigan
Term of patent 14 years
Application September 17, 1948, Serial No. 148,640
(Cl. D15—1)



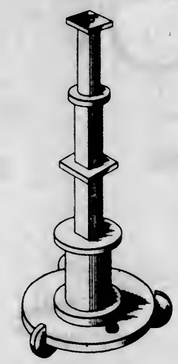
The ornamental design for a juvenile chair, substantially as shown.

157,067
CHILD'S COMBINED DESK AND TOY CHEST OR THE LIKE
Paul Metro, Brookfield, Ohio
Application March 16, 1948, Serial No. 145,117
Term of patent 14 years
(Cl. D33—11)



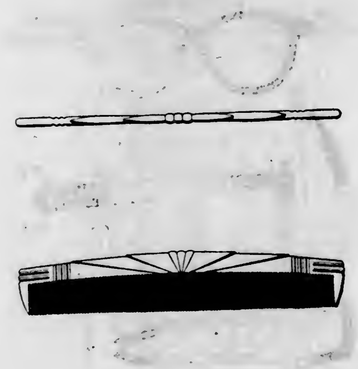
The ornamental design for a child's combined desk and toy chest or the like, substantially as shown and described.

157,068
LAMP STANDARD
Morris N. Miller, Inglewood, Calif.
Application March 28, 1949, Serial No. 1,671
Term of patent 7 years
(Cl. D48—20)



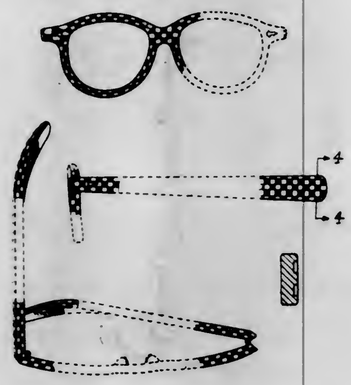
The ornamental design for a lamp standard, as shown.

157,069
COMB
Peter J. Morroni, Leominster, Mass.
Application May 2, 1949, Serial No. 2,374
Term of patent 14 years
(Cl. D86—8)



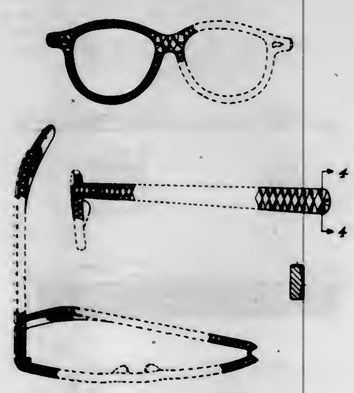
The ornamental design for a comb, as shown.

157,070
SPECTACLE FRAME
Leslie W. Myers and Albert L. Anderson, Minneapolis, Minn., assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application August 9, 1948, Serial No. 148,001
Term of patent 3½ years
(Cl. D57—1)



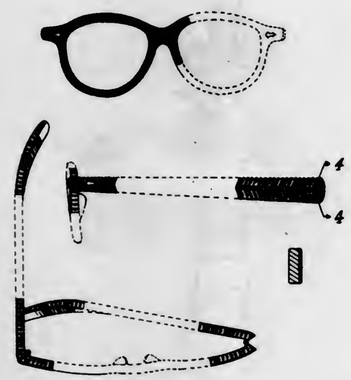
The ornamental design for a spectacle frame, as shown and described.

157,071
SPECTACLE FRAME
Leslie W. Myers and Albert L. Anderson, Minneapolis, Minn., assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application August 9, 1948, Serial No. 148,002
Term of patent 3½ years
(Cl. D57—1)



The ornamental design for a spectacle frame, as shown and described.

157,072
SPECTACLE FRAME
Leslie W. Myers and Albert L. Anderson, Minneapolis, Minn., assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application August 9, 1948, Serial No. 148,003
Term of patent 3½ years
(Cl. D57—1)



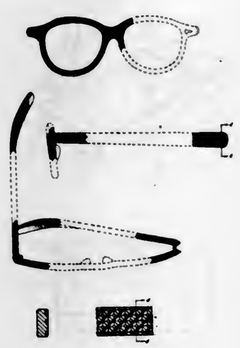
The ornamental design for a spectacle frame, as shown and described.

157,073
SPECTACLE FRAME
Leslie W. Myers and Albert L. Anderson, Minneapolis, Minn., assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application August 9, 1948, Serial No. 148,004
Term of patent 3½ years
(Cl. D57—1)



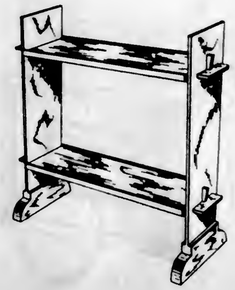
The ornamental design for a spectacle frame, as shown and described.

157,074
SPECTACLE FRAME
Leslie W. Myers and Albert L. Anderson, Minneapolis, Minn., assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application August 9, 1948, Serial No. 148,005
Term of patent 3½ years
(Cl. D57—1)



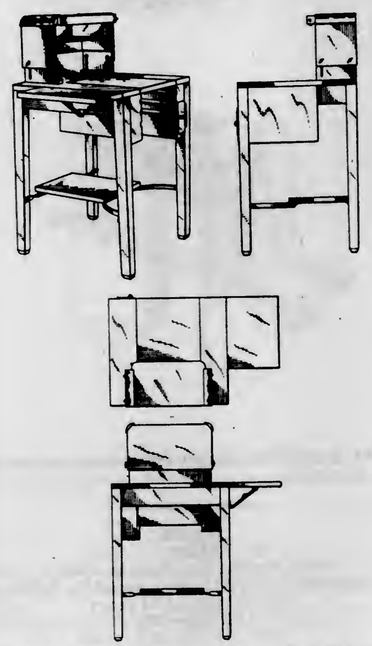
The ornamental design for a spectacle frame, as shown and described.

157,075
COLLAPSIBLE STAND
Abner A. Naulin, Wauwatosa, Wis., assignor to Aim, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application April 16, 1947, Serial No. 138,431
Term of patent 14 years
(Cl. D33—19)



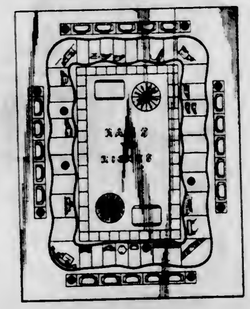
The ornamental design for a collapsible stand, as shown and described.

157,076
COMBINATION WRITING DESK AND TYPEWRITER DESK
Stephen Nemes, Chicago, Ill.
Application September 29, 1948, Serial No. 148,867
Term of patent 14 years
(Cl. D33—7)



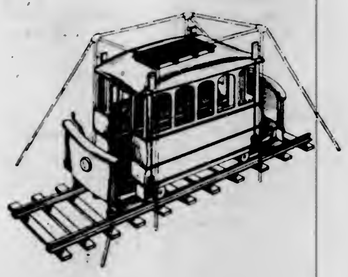
The ornamental design for a combination writing desk and typewriter desk, substantially as shown.

157,077
GAME BOARD
Samuel J. Newman, Cumberland, Md.
Application June 4, 1948, Serial No. 146,766
Term of patent 14 years
(Cl. D34—5)



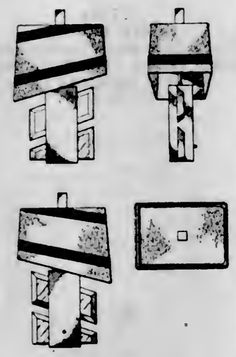
The ornamental design for a game board, as shown.

157,078
SWING
William Harold Nicholson, Woodbury, N. J.
Application January 23, 1948, Serial No. 144,003
Term of patent 14 years
(Cl. D15—8)



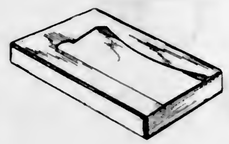
The ornamental design for a swing, as shown and described.

157,079
LAMP
Edith Norton, Los Angeles, Calif.
Application April 16, 1949, Serial No. 2,071
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp, substantially as shown.

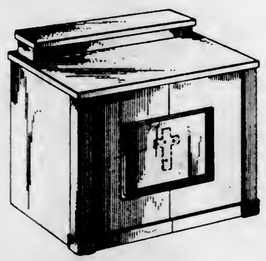
157,080
DISPLAY BOX
Edmond Opler, Chicago, Ill., assignor to Cook Chocolate Company, Chicago, Ill., a corporation of Illinois
Application January 8, 1948, Serial No. 143,601
Term of patent 7 years
(Cl. D58—12.6)





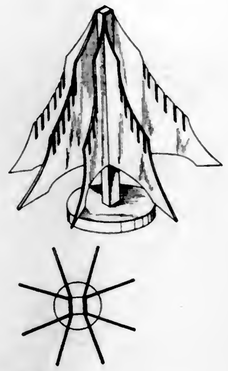
The ornamental design for a display box, substantially as shown.

157,081
ALTAR
Frederick T. Paden, Collingswood, N. J.
Application December 16, 1947, Serial No. 143,166
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for an altar, as shown and described.

157,082
CARD HOLDER
John P. Patton, Cleveland, Ohio
Application August 14, 1948, Serial No. 148,112
Term of patent 14 years
(Cl. D80—9)



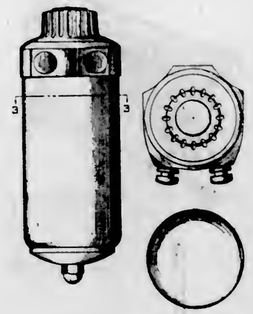
The ornamental design for a card holder, as shown.

157,083
FRONT FOR AN EYE SHIELD OR SIMILAR ARTICLE
Thomas V. Paulson, Fall Brook, Calif.
Application July 5, 1949, Serial No. 3,709
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a front for an eye shield or similar article, as shown.

157,084
PAINT SPRAY HOSE CLEANER OR THE LIKE
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application August 3, 1948, Serial No. 147,915
Term of patent 14 years
(Cl. D49—1)



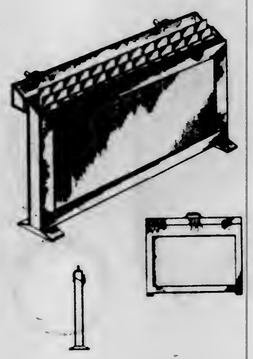
The ornamental design for a paint spray hose cleaner or the like, substantially as shown.

157,085
CHILD'S STROLLER
Harold R. Pinkerton, Seattle, Wash., assignor to Caldbick and Evans, Seattle, Wash., a partnership
Application January 31, 1949, Serial No. 589
Term of patent 3½ years
(Cl. D14—14)



The ornamental design for a child's stroller, as shown.

157,086
PORTABLE INDEX FILE
Amato M. Matthew Pirone, Mount Vernon, N. Y.
Application March 23, 1948, Serial No. 145,278
Term of patent 7 years
(Cl. D74—2)



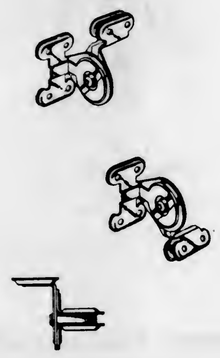
The ornamental design for a portable index file, as shown and described.

157,087
STEREOSCOPE
Richard G. Reineman, Covina, Calif., assignor to Fairchild Camera and Instrument Corporation, Pasadena, Calif., a corporation of Delaware
Application October 25, 1948, Serial No. 149,292
Term of patent 14 years
(Cl. D57—1)



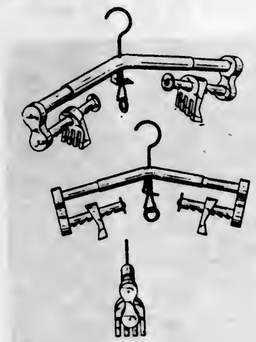
The ornamental design for a stereoscope, as shown and described.

157,088
HINGED BRACKET OR SIMILAR ARTICLE
William M. Reithard, Los Angeles, Calif., assignor to Link Anderson, Inc., Santa Monica, Calif., a corporation of California
Application May 3, 1948, Serial No. 146,136
Term of patent 14 years
(Cl. D10—9)



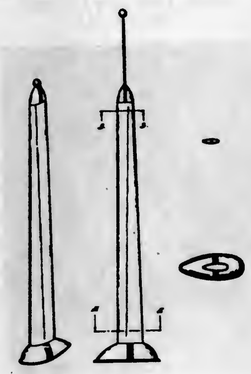
The ornamental design for a hinged bracket or similar article, substantially as shown.

157,089
ADJUSTABLE GARMENT HANGER
Jack A. Saunders, Woodside, N. Y.
Application April 21, 1948, Serial No. 145,863
Term of patent 3½ years
(Cl. D80—8)



The ornamental design for an adjustable garment hanger, as shown.

157,090
ANTENNA
Thur Schmidt, Chicago, Ill.
Application October 1, 1948, Serial No. 148,928
Term of patent 14 years
(Cl. D26—14)



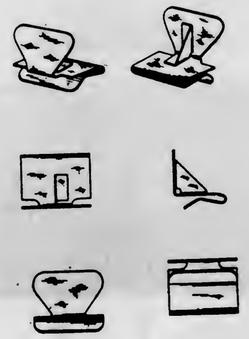
The ornamental design for an antenna, as shown.

157,091
BOTTLE
Norman A. Schoelles, West Englewood, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1948, Serial No. 147,256
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a bottle, as shown.

157,092
SUPPORT AND END MEMBER FOR SHELVES
Lansing P. Shield, Ridgewood, N. J., assignor to The Grand Union Company, New York, N. Y., a corporation of Delaware
Application November 10, 1948, Serial No. 149,569
Term of patent 14 years
(Cl. D33—3)



The ornamental design for a support and end member for shelves, as shown.

157,093
EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Clara R. Slepski, Chicago, Ill., assignor to Fixler Bros., Chicago, Ill., a copartnership
Application June 15, 1949, Serial No. 3,285
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for an embroidered textile fabric or similar article, as shown and described.

157,094
EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Clara R. Slepski, Chicago, Ill., assignor to Fixler Bros., Chicago, Ill., a copartnership
Application June 15, 1949, Serial No. 3,286
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for an embroidered textile fabric or similar article, as shown and described.

157,095
TEXTILE FABRIC
Howard A. Smith, Fairfield, Conn., assignor to La Resista Corset Co., Bridgeport, Conn., a corporation of Connecticut
Application September 25, 1948, Serial No. 148,771
Term of patent 14 years
(Cl. D92—1)



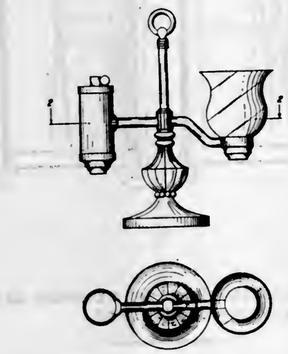
The ornamental design for a textile fabric, substantially as shown and described.

157,096
TEXTILE FABRIC
Howard A. Smith, Fairfield, Conn., assignor to La Resista Corset Co., Bridgeport, Conn., a corporation of Connecticut
Application September 25, 1948, Serial No. 148,772
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

157,097
COMBINED CIGARETTE AND LIGHTER HOLDER
Ernest Sohn, New York, N. Y., and Edward San Giovanni, Ridgefield, Conn.; said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y.
Application July 15, 1948, Serial No. 147,633
Term of patent 3½ years
(Cl. D85—2)



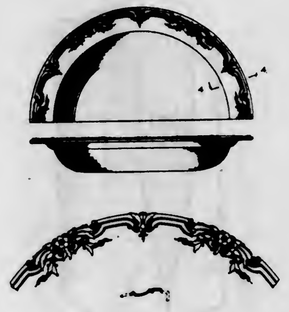
The ornamental design for a combined cigarette and lighter holder, as shown.

157,098
COMBINED MUSIC STAND AND AMPLIFIER HOUSING
Harry Stanley, Rocky River, Charles Tancre, Avon Lake, and Lawrence C. Roy, Strongsville, Ohio
Application December 20, 1948, Serial No. 150,291
Term of patent 14 years
(Cl. D56—4)



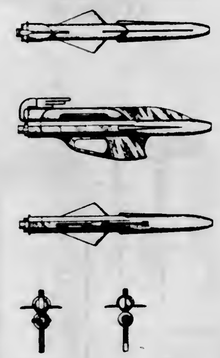
The ornamental design for a combination music stand and amplifier housing, substantially as shown.

157,099
DISH OR OTHER ARTICLE OF HOLLOW WARE
Frederick William Stark, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application January 21, 1948, Serial No. 143,945
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dish or other article of hollow ware, substantially as shown and described.

157,100
BUBBLE BLOWING TOY
Albert M. Steiner, Cincinnati, Ohio
Application June 16, 1948, Serial No. 146,998
Term of patent 7 years
(Cl. D34—15)



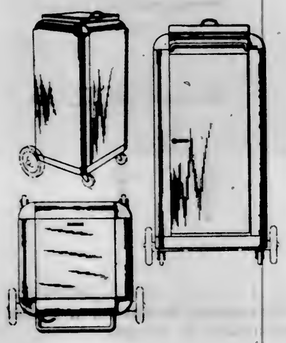
The ornamental design for a bubble blowing toy, substantially as shown.

157,101
VENDING MACHINE
Edward L. Strempel, Bedford Village, N. Y.
Application November 16, 1948, Serial No. 149,669
Term of patent 7 years
(Cl. D52—3)

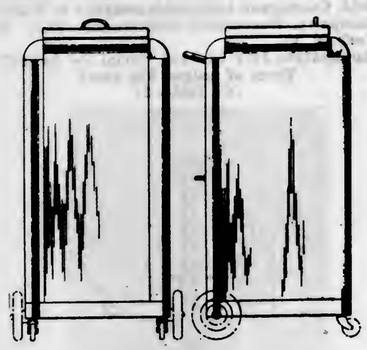


The ornamental design for a vending machine, substantially as shown and described.

157,102
PORTABLE OIL PUMP AND TANK
Michael A. Tabet, Norfolk, Va., assignor to Tabet Manufacturing Company, Incorporated, Norfolk, Va., a corporation of Virginia
Application February 9, 1948, Serial No. 144,375
Term of patent 14 years
(Cl. D52—2)



157,102—Continued



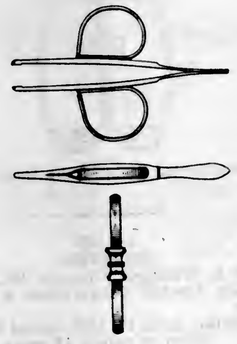
The ornamental design for a portable oil pump and tank, as shown and described.

157,103
COMBINED THERMOMETER AND BAROMETER
Walter Dorwin Teague, Annandale, N. J., and Robert H. Ensign, Bronxville, N. N. Y.
Application June 17, 1948, Serial No. 147,015
Term of patent 7 years
(Cl. D52—7)



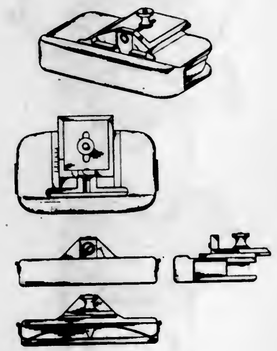
The ornamental design for a combined thermometer and barometer, as shown.

157,104
TWEEZERS
William R. Tuttle and William J. Beldue, Rochester, N. Y., assignors to The Kurlash Company, Inc., Rochester, N. Y., a corporation of New York
Application February 6, 1948, Serial No. 144,323
Term of patent 14 years
(Cl. D86—10)



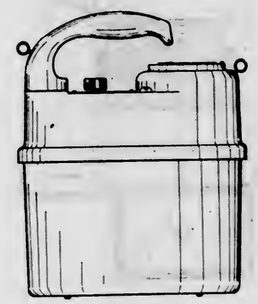
The ornamental design for tweezers, substantially as shown.

157,105
STRIP CUTTING MACHINE
Philip H. Unsinger, Fremont, Ohio, assignor to Unsinger A P Corporation, Fremont, Ohio, a corporation of Ohio
Application July 5, 1947, Serial No. 140,127
Term of patent 7 years
(Cl. D55—1)



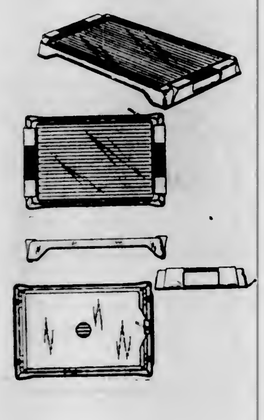
The ornamental design for a strip cutting machine, substantially as shown.

157,106
RADIATION MEASURING INSTRUMENT
John A. Victoreen, Cleveland, Jeffrey M. Bevis, East Cleveland, Arthur F. Bush, Cleveland, and Richard D. Kidney, Parma Heights, Ohio
Application June 19, 1948, Serial No. 147,084
Term of patent 14 years
(Cl. D52—1)



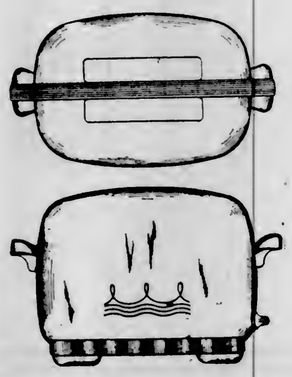
The ornamental design for a radiation measuring instrument, as shown and described.

157,107
COMBINED PORTABLE TRAY AND HEATER
George W. Walker, Pleasant Ridge, Mich., assignor to Radiant Heater Corporation, New York, N. Y., a corporation of New York
Application November 1, 1948, Serial No. 149,426
Term of patent 14 years
(Cl. D81—10)



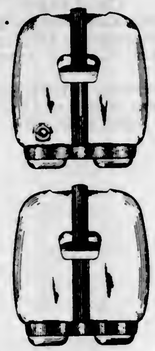
The ornamental design for a combined portable tray and heater, as shown.

157,108
TOASTER
Chauncey E. Waltman, Chicago, Ill., assignor to Dominion Electric Corporation, a corporation of Ohio
Application August 29, 1947, Serial No. 141,121
Term of patent 14 years
(Cl. D81—10)



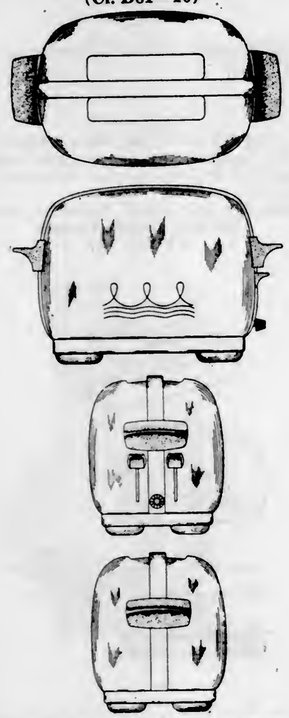
The ornamental design for a toaster, substantially as shown.

157,108—Continued



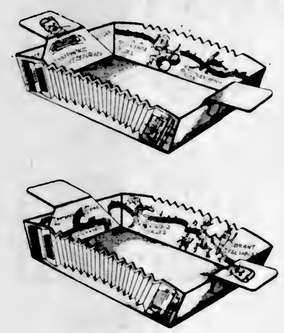
The ornamental design for a toaster, substantially as shown.

157,109
TOASTER
Chauncey E. Waltman, Chicago, Ill., assignor to Dominion Electric Corporation, a corporation of Ohio
Application June 17, 1949, Serial No. 3,380
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a toaster, substantially as shown.

157,110
LUNCH BOX
Lawrence Welk, River Forest, Ill.
Application January 17, 1949, Serial No. 272
Term of patent 14 years
(Cl. D58—12.6)



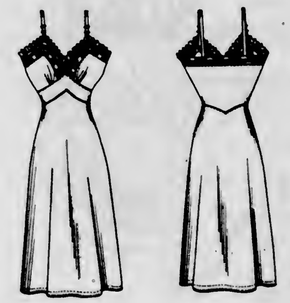
The ornamental design for a lunch box, as shown.

157,111
TRAINING SEAT OR CHAIR
Russell L. Wenkstern, Spring Park, Minn., assignor to Moulded Products, Inc., Spring Park, Minn., a corporation of Minnesota
Application December 15, 1948, Serial No. 150,167
Term of patent 14 years
(Cl. D5—5)



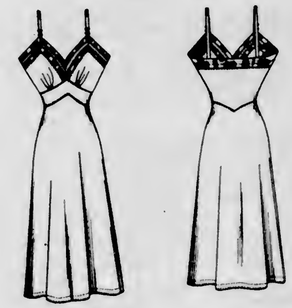
The ornamental design for a training seat or chair, as shown.

157,112
SLIP
Semon Wolf, New York, N. Y.
Application July 1, 1948, Serial No. 147,324
Term of patent 3½ years
(Cl. D3—26)



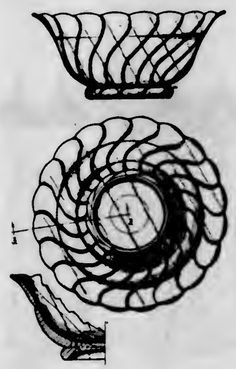
The ornamental design for a slip, substantially as shown.

157,113
SLIP
Semon Wolf, New York, N. Y.
Application July 1, 1948, Serial No. 147,325
Term of patent 3½ years
(Cl. D3—26)



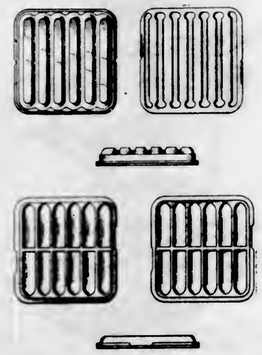
The ornamental design for a slip, substantially as shown.

157,114
BOWL
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,034
Term of patent 14 years
(Cl. D36—2)



The ornamental design for a bowl, as shown.

157,115
PHARMACEUTICAL CONTAINER
Elsa Zumpe, Saratoga Springs, N. Y., assignor to The G. F. Harvey Company, Saratoga Springs, N. Y., a corporation of New York
Application July 17, 1948, Serial No. 147,638
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a pharmaceutical container, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Adelphia Industries, Philadelphia, Pa. Electric lamp shades. Serial No. 569,497, Jan. 31. Class 21.
Adler, Robert S., doing business as The Tannad Co., Chicago, Ill. Combined teething ring and play mirror for infants. Serial No. 563,385, Jan. 31. Class 44.
Aktiebolaget Vinkelcentrifug, Stockholm, Sweden. Electric motors and control apparatus. Serial No. 571,311, Jan. 31. Class 21.
Allied Pharmetics Co.: *See*—
Feldman, Louis J.
Allin Manufacturing Co.: *See*—
Wittlin, Albert.
American Chicle Company, Long Island City, N. Y. Chewing gum. Serial No. 559,879, Jan. 31. Class 46.
American Polymer Corporation, The, Peabody, Mass. Resin emulsions. Serial No. 577,509, Jan. 31. Class 1.
Anchor Hocking Glass Corporation, Lancaster, Ohio. Glass articles. Serial No. 565,988, Jan. 31. Class 33.
Anchor Serum Company, St. Louis, Mo. Remedy for the treatment of animals. Serial No. 566,785, Jan. 31. Class 18.
Anitra Products: *See*—
Jones, Anita J.
Ansan Tool & Mfg. Co., Chicago, Ill. Compound, progressive, blanking, drawing and forming dies. Serial No. 568,484, Jan. 31. Class 23.
Armstrong Cork Company, Lancaster, Pa. Advertising display units. Serial No. 557,817, Jan. 31. Class 32.
Armstrong Siddeley Motors Limited, Coventry, England. Aeroplane engines and structural parts thereof. Serial No. 568,926, Jan. 31. Class 23.
Arnold, Schwinn & Co., Chicago, Ill. Vehicle tires. Serial No. 575,617, Jan. 31. Class 35.
Arrow Mills, Inc., Houston, Tex. Poultry, livestock and dairy feeds. Serial No. 521,783, Jan. 31. Class 46.
Atlantic Service Co., Inc., Brooklyn, N. Y. Saw blades. Serial No. 549,408, Jan. 31. Class 23.
Atlantic Supply Company, The, Baltimore, Md. Ten per cent sulfaquinoxaline product. Serial No. 570,939, Jan. 31. Class 18.
Audio Development Company, Minneapolis, Minn. Electric wave filters, electric equaliser filters, etc. Serial No. 563,593, Jan. 31. Class 21.
Automatic Pencil Sharpener Co.: *See*—
Spengler-Loomis Manufacturing Company.
Automatic Range Co., Inc., Brooklyn, N. Y. Cooking range. Serial No. 539,119, Jan. 31. Class 34.
Automatic Scale Company, Inc., New York, N. Y. Weighing machines. Serial No. 573,398, Jan. 31. Class 26.
Automobile Upholstery Corp., Brooklyn, N. Y. Automobile seat covers. Serial No. 567,898, Jan. 31. Class 19.
Avon Products, Inc., New York, N. Y. Lipstick, rouge and nail polish. Serial No. 571,249, Jan. 31. Class 51.
B & W Fruit Company, Inc., Groveland, Fla. Canned citrus fruit and canned citrus fruit juices. Serial No. 523,648, Jan. 31. Class 46.
Barber-Greene Company, Aurora, Ill. Portable and stationary belt conveyors, belt and bucket loaders, etc. Serial No. 532,202, Jan. 31. Class 23.
Barnes Drill Co., Rockford, Ill. Machine tools. Serial No. 536,339, Jan. 31. Class 23.
Barret, William M., Inc., Shreveport, La. Electrical surveys. Serial No. 565,683, Jan. 31. Class 100.
Barry and Staines Linoleum (Canada) Limited, Farnham, Canada. Linoleum. Serial No. 516,527, Jan. 31. Class 20.
Bart-Messing Corporation, Brooklyn, N. Y. Rectifiers. Serial No. 558,271, Jan. 31. Class 21.
Bates Manufacturing Company, Lewiston, Maine. Children's and misses' dresses. Serial Nos. 559,988–9, Jan. 31. Class 39.
Bat-O-Lite Company: *See*—
Battiste, Donald A.
Battiste, Donald A., doing business as Bat-O-Lite Company, Philadelphia, Pa. Preparation used in the manufacture of bakery products. Serial No. 550,652, Jan. 31. Class 46.
Bendix Aviation Corporation, Detroit, Mich. Lubricating and anti-corrosive oils and greases. Serial No. 576,394, Jan. 31. Class 15.
Bilhuber, E., Inc., Orange, N. J. Chemical compound. Serial No. 581,642, Jan. 31. Class 18.
Binky Baby Products Company, New York, N. Y. Baby rubber pants and baby bibs. Serial No. 557,106, Jan. 31. Class 39.
Blanklette Corporation, New York, N. Y. Slippers, pajamas, sleeping garments, etc. Serial No. 569,187, Jan. 31. Class 39.
Blue Bell, Inc., Greensboro, N. C. Men's, women's, boys' and girls' overalls, jumpers, work jackets, etc. Serial No. 536,993, Jan. 31. Class 39.
Bonwit Teller & Company of Philadelphia, Philadelphia, Pa. Cases and pouches for hosiery and lingerie. Serial No. 572,630, Jan. 31. Class 3.
Boppy Ceed: *See*—
Coopersmith, Barbara J.
Borg-Warner Corporation, Chicago, Ill. Universal joints and propeller shafts. Serial No. 567,489, Jan. 31. Class 23.
Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. Serial No. 560,162, Jan. 31. Class 39.
Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. Serial No. 560,174, Jan. 31. Class 39.
Bradley Candy Mfg. Co., Nashville, Tenn. Candy. Serial No. 564,857, Jan. 31. Class 46.
Bravo, J. A. P., doing business as Geraldine Craux, New York, N. Y., and Habana, Cuba. Dusting powders, face powders and lipstick. Serial No. 571,112, Jan. 31. Class 51.
Brett, Sue, Inc., New York, N. Y. Dresses and ladies' suits. Serial No. 563,553, Jan. 31. Class 39.
Brown-Brockmeyer Company, The, Dayton, Ohio. Electrical bench grinders. Serial No. 520,791, Jan. 31. Class 23.
Butler Brothers, Chicago, Ill. Cretonne curtain yard goods, plastic bathroom curtains, shower curtains, etc. Serial No. 567,494, Jan. 31. Class 42.
Byrd, H. F., Inc., Winchester, Va. Apple sauce, apple butter, apple jelly. Serial No. 570,247, Jan. 31. Class 46.
Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. Serial No. 535,795, Jan. 31. Class 6.
Callaway Mills Company, La Grange, Ga. Fabric clothes. Serial No. 568,880, Jan. 31. Class 42.
Campana Sales Company, doing business as Old South Perfumers, Batavia, Ill. Colognes, perfumes, perfumed body dusting powders, etc. Serial No. 561,290, Jan. 31. Class 51.
Carmen Classics Corporation, New York, N. Y. Women's clothing. Serial No. 535,480, Jan. 31. Class 39.
Cat's Paw Rubber Company, Inc., Baltimore, Md. Shoe heels. Serial No. 568,348, Jan. 31. Class 39.
Cello-Vision Film Splicer & Repair Machine Company: *See*—
Wallingsford, Armour.
Chain Belt Company, Milwaukee, Wis. Chains and parts thereof. Serial No. 570,766, Jan. 31. Class 23.
Cincinnati Milling Machine Co., The, Cincinnati, Ohio. Precision grinding machines. Serial No. 565,525, Jan. 31. Class 23.
Cleveland Brass Manufacturing Company, The, Cleveland, Ohio. Hose fittings. Serial No. 543,568, Jan. 31. Class 13.
Consolidated Machine Tool Corporation, Rochester, N. Y. Vertical boring mills, horizontal boring, drilling, and milling machines, etc. Serial No. 535,223, Jan. 31. Class 23.
Continental Air Filters, Inc., Louisville, Ky. Oil bath air cleaning filters. Serial No. 524,527, Jan. 31. Class 31.
Continental Mills, Inc., Philadelphia, Pa. Men's, women's, boys', girls', children's, and infants' overcoats, topcoats, coats, etc. Serial No. 561,382, Jan. 31. Class 39.
Coopersmith, Barbara J., doing business as Boppy Ceed, Denver, Colo. Comic pictures. Serial No. 571,115, Jan. 31. Class 38.
Corman and Wasserman, assignee: *See*—
Corman & Wasserman, Inc.
Corman & Wasserman, Inc., assignee of Corman and Wasserman, Baltimore, Md. Men's trousers. Serial No. 519,862, Jan. 31. Class 39.
Cowan, Joseph, New York, N. Y. Perfumes, skin lotion, colognes, etc. Serial No. 570,695, Jan. 31. Class 51.
Crabtree, J. A., & Co. Limited, Walsall, England. Electrical apparatus. Serial No. 568,044, Jan. 31. Class 21.
Craux, Geraldine: *See*—
Bravo, J. A. P.
Crown Zellerbach Corporation, doing business as National Paper Products Sales Company, San Francisco, Calif. Toilet tissue. Serial No. 564,766, Jan. 31. Class 37.
Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, dress and jacket ensembles, etc. Serial No. 566,750, Jan. 31. Class 39.
Delta Brush Mfg. Corp., New York, N. Y. Paint and artists' brushes. Serial No. 568,497, Jan. 31. Class 29.
De Luxe Products Corporation, La Porte, Ind. Pistons and exhaust manifold attachments. Serial No. 566,124, Jan. 31. Class 23.
Dentists' Supply Company of New York, The, New York, N. Y. Dental form finder. Serial No. 540,792, Jan. 31. Class 44.
Doty, H. W., doing business as Foodtown Super Markets, Pittsburg, Kans. Honey, jelly, fruit preserves, etc. Serial No. 509,141, Jan. 31. Class 46.
Dumont, Allen B., Laboratories, Inc., Passaic, N. J., and elsewhere. Radio and television program broadcasting service. Serial No. 554,215, Jan. 31. Class 104.
Eagle Roller Mill Co., New Ulm, Minn. Wheat flour, cream farina; and pure buckwheat flour, etc. Serial No. 527,025, Jan. 31. Class 46.

Eby, Hugh H., Inc., Philadelphia, Pa. Electronic instrument products and parts. Serial No. 570,046, Jan. 31. Class 21.
Electric Products Company, The, Cleveland, Ohio. Electric motors, generators, motor-generators, etc. Serial No. 553,579, Jan. 31. Class 21.
Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.
Emery Industries, Inc., Cincinnati, Ohio. Textile oils. Serial No. 566,823, Jan. 31. Class 6.
Empire Plow Company, The, Cleveland, Ohio. Sweeps, teeth, shovels, etc. Serial No. 551,961, Jan. 31. Class 23.
Eskimo Pie Corporation, Bloomfield, N. J. Preparations for coating ice cream and other solid foodstuffs. Serial No. 552,134, Jan. 31. Class 46.
Evans, Jane, Frocks, Inc., New York, N. Y. Ladies' and misses' dresses, skirts, coats, etc. Serial No. 560,099, Jan. 31. Class 39.
Everfast Fabrics, Inc., New York, N. Y. Fabrics of cotton, rayon, and mixtures thereof. Serial No. 578,203, Jan. 31. Class 42.
Everitt & Company: *See*—
Everitt, Wm.
Everitt, Wm., doing business as Everitt & Company, Seattle, Wash. Canned salmon. Serial No. 571,523, Jan. 31. Class 46.
Falls Canning Co., Oconto Falls, Wis. Canned vegetables. Serial No. 572,809, Jan. 31. Class 46.
Farnam Company, The, Omaha, Nebr. Insecticide. Serial No. 560,554, Jan. 31. Class 6.
Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Combination radio and automatic phonographs, automatic and semi-automatic disk change phonographs, etc. Serial No. 544,558, Jan. 31. Class 21.
Farr, Clyde A., Baton Rouge, La. Insect killing paints. Serial No. 514,696, Jan. 31. Class 16.
Farris Engineering Corporation, Palisades Park, N. J. Safety valves. Serial No. 555,599, Jan. 31. Class 13.
Fearn Laboratories, Inc., Franklin Park, Ill. Meat curing compounds, etc. Serial No. 530,811, Jan. 31. Class 46.
Feinrider Bros., Inc., New York, N. Y. Ladies', misses', junior misses', and women's dresses. Serial No. 564,563, Jan. 31. Class 39.
Feldman, Louis J., doing business as Allied Pharmetics Co., Plainfield, N. J. Hair shampoo. Serial No. 563,847, Jan. 31. Class 52.
Food Machinery and Chemical Corporation: *See*—
Food Machinery Corporation.
Food Machinery Corporation, San Jose, Calif., and Middleport, N. Y., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif. Insecticidal composition. Serial No. 522,853, Jan. 31. Class 6.
Foodtown Super Markets: *See*—
Doty, H. W.
Formulabs: *See*—
Lacy, Gordon S.
Gates Rubber Company, The, Denver, Colo. Automobile floor mats. Serial No. 575,754, Jan. 31. Class 19.
Geier Mattress Company, The, Rossmoyne, Ohio. Mattresses. Serial No. 567,076, Jan. 31. Class 32.
Gemex Company, Union, N. J. Watch bracelets and watch straps. Serial No. 577,263, Jan. 31. Class 28.
Gibson, Dorothy, Perfumes Corp., New York, N. Y. Perfumes. Serial No. 560,805, Jan. 31. Class 51.
Gilman Paint and Varnish Company, Chattanooga, Tenn. Exterior and interior paints and varnishes. Serial No. 534,767, Jan. 31. Class 16.
Given Manufacturing Company, Los Angeles, Calif. Wheeled vehicle. Serial No. 559,022, Jan. 31. Class 19.
Glemby, Harry, Inc., New York, N. Y. Hair nets. Serial No. 566,031, Jan. 31. Class 39.
Glostex Products, Inc., Chicago, Ill. Automobile seat covers. Serial No. 511,467, Jan. 31. Class 19.
Gluckin, Lawrence, New York, N. Y. Brassières. Serial No. 569,937, Jan. 31. Class 39.
Goldring Inc., New York, N. Y. Ladies' coats and suits. Serial No. 554,309, Jan. 31. Class 39.
Goodrich-Gamble Company, St. Paul, Minn. Ferrous sulfate in tablet form. Serial No. 564,329, Jan. 31. Class 18.
Guarantee Exterminating Company: *See*—
Guaranteed Sanitation, Inc.
Guaranteed Sanitation, Inc., doing business as Guarantee Exterminating Company, New York, N. Y. Insect-rodent and termite control service. Serial No. 567,021, Jan. 31. Class 103.
Gump, S. & G., Company, San Francisco, Calif. Steel carving sets, steel steak sets, steel knives and scissors. Serial No. 541,291, Jan. 31. Class 23.
Hal-Mar Dress Company, St. Louis, Mo. Junior girls', misses', and women's dresses. Serial No. 518,670, Jan. 31. Class 39.
Hanover Canning Company, Hanover, Pa. Canned sauerkraut with pork. Serial No. 530,502, Jan. 31. Class 46.
Hecht Company, The, Washington, D. C. Men's and boys' suits, overcoats, topcoats, etc. Serial No. 552,392, Jan. 31. Class 39.
Heller Brothers Company, Newark, N. J. Hammers, files, rasps, pinchers, etc. Serial No. 570,560, Jan. 31. Class 23.
Heller Company, The, Cleveland, Ohio. Staples for stapling machines. Serial No. 552,770, Jan. 31. Class 13.
Holiday Casuals, Brooklyn, N. Y. Footwear. Serial No. 567,402, Jan. 31. Class 39.
Houghton, E. F., & Co., Philadelphia, Pa. Hydraulic oils. Serial No. 539,703, Jan. 31. Class 15.
Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Hydraulic presses. Serial No. 538,140, Jan. 31. Class 28.
Hydroponic Chemical Company, Inc., Copley, Ohio. Insecticide. Serial No. 502,217, Jan. 31. Class 6.
Illinois Watch Case Co., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Cosmetic containers. Serial No. 546,104, Jan. 31. Class 2.
International Furniture Company, Chicago, Ill. Upholstered living room sofa. Serial No. 566,438, Jan. 31. Class 32.
International Laboratories, Inc., Rochester, N. Y. Preparation for the treatment of athlete's foot, etc. Serial No. 567,404, Jan. 31. Class 18.
International Paint Company, Inc., New York, N. Y. Ready-mixed paints, enamels, varnishes, etc. Serial No. 557,042, Jan. 31. Class 16.
International Silver Company, The, Meriden, Conn. Sterling silver table ware. Serial No. 578,507, Jan. 31. Class 28.
J. R. S. Specialties Manufacturing Co., Inc., Nyack, N. Y. Pipe cutters, pipe wrenches, flaring tools, etc. Serial No. 561,198, Jan. 31. Class 23.
Johnson, Edward A., Solana Beach, Calif. Memorandum pads. Serial No. 556,104, Jan. 31. Class 37.
Johnson Spring Cushion Company, Chicago, Ill. Innerspring units. Serial No. 566,956, Jan. 31. Class 32.
Jones, Anita J., doing business under the fictitious name and style Anitra Products, Inglewood, Calif. Non-electrical hair curlers. Serial No. 587,154, Jan. 31. Class 40.
Junior Guild Frocks, Inc., Chicago, Ill. Cologne and lipstick. Serial No. 486,682, Jan. 31. Class 51.
Kent-Moore Organization, Inc., Detroit, Mich. Electric lighting fixtures, electrically operated heating mechanism. Serial No. 552,987, Jan. 31. Class 21.
Kidde Manufacturing Co., Inc., Bloomfield, N. J. Hand operated whipper. Serial No. 559,230, Jan. 31. Class 23.
Knapp-Monarch Company, St. Louis, Mo. Electric irons, electric heaters, electric waffle irons, etc. Serial No. 566,009, Jan. 31. Class 21.
Knapp-Monarch Company, St. Louis, Mo. Electric toasters, electric heaters, electric stoves, etc. Serial No. 566,010, Jan. 31. Class 21.
Knapp-Monarch Company, St. Louis, Mo. Electric fans. Serial No. 566,011. Jan. 31. Class 21.
Knapp-Monarch Company, St. Louis, Mo. Thermic jugs. Serial No. 566,013, Jan. 31. Class 2.
Knoebel Mercantile Company, Denver, Colo. Canned fruits and canned vegetables, canned fruit juices, etc. Serial No. 570,501, Jan. 31. Class 46.
Lacy, Gordon S., doing business as Formulabs, Sierra Madre, Calif. Lacquers. Serial No. 576,213, Jan. 31. Class 16.
Langrall, J., & Bro., Inc., Baltimore, Md. Canned vegetables. Serial No. 509,989, Jan. 31. Class 46.
Lapointe Machine Tool Company, The, Hudson, Mass. Broaching machines. Serial No. 537,052, Jan. 31. Class 23.
Laura Lee Frocks, Inc., St. Louis, Mo. Women's dresses. Serial No. 567,522, Jan. 31. Class 39.
Leetonia Tool Company, The, Leetonia, Ohio. Coal miners' picks. Serial No. 521,455, Jan. 31. Class 23.
Leffler, William S., Bayside, Long Island, N. Y. Viewing frames. Serial No. 562,943, Jan. 31. Class 21.
Lehon Company, The, Chicago, Ill. Ready-mixed and paste paints. Serial No. 520,729, Jan. 31. Class 16.
Lelong, Lucien, Inc., Chicago, Ill. Perfumes, colognes, toilet waters, etc. Serial No. 530,220, Jan. 31. Class 51.
Levinson, Felix, doing business as Seaboard National Shoe Company, Baltimore, Md. Shoes. Serial No. 566,801, Jan. 31. Class 39.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Men's, boys', and women's garments. Serial No. 565,274, Jan. 31. Class 39.
Luber-Finer Incorporated, Los Angeles, Calif. Replaceable filter packs. Serial No. 506,457, Jan. 31. Class 31.
Maggio, Joe, doing business as Joe D. Maggio, Holtville, Calif. Fresh vegetables and fresh melons. Serial No. 529,791, Jan. 31. Class 46.
Maggio, Joe D.: *See*—
Maggio, Joe.
Mandel Manufacturing Co., St. Louis, Mo. Junior misses' and misses' dresses, blouses, slacks, etc. Serial No. 561,427, Jan. 31. Class 39.
Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. Serial No. 567,028, Jan. 31. Class 23.
Marquette Petroleum Products, Inc., Chicago, Ill. Lubricant greases. Serial No. 537,212, Jan. 31. Class 15.
McClenaghan, Louis R., doing business as Plasti-gum Products Company, Oakland, Calif. Non-hardening, water-repellent sealing compound. Serial No. 554,139, Jan. 31. Class 12.
McVitie and Price Limited, Edinburgh, Scotland. Cakes, biscuits, bread, etc. Serial No. 564,139, Jan. 31. Class 46.
Meador, W. M., Co., Mobile, Ala. Grits, and dry edible beans. Serial No. 537,063, Jan. 31. Class 46.

Mercantile Stores Company, Inc., Wilmington, Del. Pillows, bedsprings and mattresses, and furniture. Serial No. 573,959, Jan. 31. Class 32.
Merit Clothing Company, Inc., Mayfield, Ky. Men's suits. Serial No. 565,569, Jan. 31. Class 39.
Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Men's, women's, and children's hats and hat bodies. Serial No. 507,330, Jan. 31. Class 39.
Miss Harriet Manufacturing Co., Philadelphia, Pa. Infants' and children's dresses. Serial No. 556,263, Jan. 31. Class 39.
Monark Silver King, Inc., Chicago, Ill. Bicycles. Serial No. 539,834, Jan. 31. Class 19.
Morgan-Lapham, Inc., New Canaan, Conn. Electrically operated turntables. Serial No. 529,289, Jan. 31. Class 21.
Morley, I. & R., Limited, London, England. Men's, women's, and children's gloves; hosiery, jumpers, etc. Serial No. 548,983, Jan. 31. Class 39.
Morris, Mann & Reilly, Inc., Chicago, Ill. Hair nets. Serial No. 550,426, Jan. 31. Class 39.
Morrison, Hackley, Jr., assignee: *See*—
Texfan Company.
Munsingwear, Inc., Minneapolis, Minn. Men's and women's knitted underwear. Serial No. 518,163, Jan. 31. Class 39.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Prepared advertising. Serial No. 565,573, Jan. 31. Class 38.
National NuGrape Company, Atlanta, Ga. Flavoring syrups and concentrates. Serial No. 589,133, Jan. 31. Class 45.
National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.
Neiman-Marcus Company, Dallas, Tex. Mink fur jackets, scarfs, and hats. Serial No. 560,037, Jan. 31. Class 39.
North American Philips Company, Inc., Dobbs Ferry, N. Y. Electric razors. Serial No. 570,871, Jan. 31. Class 23.
Nu-Art Films, Inc., New York, N. Y. Series of motion picture photo plays. Serial No. 565,196, Jan. 31. Class 26.
Oil Forum, Inc., The, New York, N. Y. Magazine or periodical. Serial No. 569,289, Jan. 31. Class 38.
Oil Trade Journal Publishing Corporation, The, New Orleans, La. Trade magazine. Serial No. 492,456, Jan. 31. Class 38.
Old South Perfumers: *See*—
Campana Sales Company.
Ollendorff Watch Co. Inc., New York, N. Y. Watches and clocks. Serial No. 558,158, Jan. 31. Class 27.
Oliman, John J., doing business as Upper Midwest Specialties Co., Minneapolis, Minn. Brush holders. Serial No. 523,604, Jan. 31. Class 13.
On-A-Lite Corporation, Portland, Oreg. Decorative Christmas electric lighting sets and parts therefor. Serial No. 552,487, Jan. 31. Class 21.
Osborn Manufacturing Company, The, Cleveland, Ohio. Brushes forming parts of industrial machines, etc. Serial No. 524,203, Jan. 31. Class 23.
Osborne, Percy J., Holland, Mich. Live poultry for breeding. Serial No. 562,800, Jan. 31. Class 1.
Oxy-Dry Sprayer Corporation, New York, N. Y. Electric anti-offset and static neutralizing apparatus. Serial No. 554,695, Jan. 31. Class 21.
Packard Motor Car Company, Detroit, Mich. Service, maintenance and repair of automobiles, constructive parts thereof and accessories therefor. Serial No. 543,832, Jan. 31. Class 103.
Page, Milton B., Indo and (Rancho Palm Springs), Coachella Valley, Calif. Fresh grapefruit. Serial No. 538,952, Jan. 31. Class 46.
Pantasote Company, The, Passaic, N. J. Plastic coated fabric. Serial No. 555,622, Jan. 31. Class 42.
Panzer Packing Co., Inc., Baltimore, Md. Pickles, mayonnaise, sweet pepper and sweet pickle relishes. Serial No. 555,690, Jan. 31. Class 46.
Parmelee, A. F., doing business as United States Safety Service Company, assignor to United States Safety Service Company, Kansas City, Mo. Face shields and goggles. Serial No. 552,001, Jan. 31. Class 26.
Pepper, Dr., Company, Dallas, Tex. Non-alcoholic maltless beverages. Serial No. 561,734, Jan. 31. Class 45.
Pepper, Dr., Company, Dallas, Tex. Non-alcoholic maltless beverages. Serial No. 561,906, Jan. 31. Class 45.
Perfection Company, Ltd., The, Waco, Tex. Lithiated lemon soft drink. Serial No. 560,078, Jan. 31. Class 45.
Perfection Company, Ltd., The, Waco, Tex. Lithiated lemon concentrate. Serial No. 565,077, Jan. 31. Class 45.
Phillips Petroleum Company, Bartlesville, Okla. Portable repair kits. Serial No. 575,428, Jan. 31. Class 35.
Planet Merchandise Company, Inc., New York, N. Y. Copper, brass and aluminum hollow ware. Serial No. 515,783, Jan. 31. Class 13.
Plansett Mfg. Co., Downey, Calif. Wire mesh. Serial No. 547,763, Jan. 31. Class 12.
Plasti-gum Products Company: *See*—
McClenaghan, Louis R.
Polaire Cooler Co., Phoenix, Ariz. Evaporative air coolers. Serial No. 556,484, Jan. 31. Class 34.
Precision Electrotype Company, San Francisco, Calif. Stereotypes and electrotypes. Serial No. 550,256, Jan. 31. Class 50.
Preco Incorporated, Los Angeles, Calif. Terracers. Serial No. 570,432, Jan. 31. Class 23.
Preston Products Corp., Yonkers, N. Y. Flavored fountain syrups for making maltless soft drinks. Serial No. 553,305, Jan. 31. Class 45.
Product Technicians, Inc., Rochester, N. Y. Consulting mechanical and industrial engineering services. Serial No. 564,826, Jan. 31. Class 100.
Production Engineering Products Co., Butler, Pa. Three operator garment pressing unit, collar shapers and clamping device, etc. Serial No. 563,277, Jan. 31. Class 24.
Pure Oil Company, The, Chicago, Ill. Lubricating oil. Serial No. 526,832, Jan. 31. Class 15.
Quaker Oats Company, The, Chicago, Ill. Poultry and stock feeds. Serial No. 559,049, Jan. 31. Class 46.
Ralston Purina Company, St. Louis, Mo. Cereal breakfast food. Serial No. 552,699, Jan. 31. Class 46.
Ralston Purina Company, St. Louis, Mo. Chicken feed. Serial No. 552,700, Jan. 31. Class 46.
Ralston Purina Company, St. Louis, Mo. Feed for livestock. Serial No. 552,708, Jan. 31. Class 46.
Reliance Manufacturing Company, Chicago, Ill. Men's underwear. Serial No. 569,221, Jan. 31. Class 39.
Remmer Chemical Company: *See*—
Remmers, H. F.
Remmers, H. F., doing business as Remmer Chemical Company, Chicago, Ill. Embalming fluid. Serial No. 544,393, Jan. 31. Class 6.
Rex Baby Carriage Mfg Co., Inc., New York, N. Y. Children's wheel goods. Serial No. 572,272, Jan. 31. Class 19.
Reynolds, Wm. A., & Co., Inc., Cleveland, Ohio. Rubber hose. Serial No. 574,862, Jan. 31. Class 35.
Rich Manufacturing Corporation, Battle Creek, Mich. Poppet valves. Serial No. 567,715, Jan. 31. Class 23.
Riddell, John T., Inc., Chicago, Ill. Shoes. Serial No. 558,167, Jan. 31. Class 39.
Roseth Corporation, Brooklyn and New York, N. Y. Tar paper. Serial No. 563,757, Jan. 31. Class 37.
Russell, Burdsall & Ward Bolt and Nut Co., Port Chester, N. Y. Metal bolts, nuts, screws, etc. Serial No. 555,702, Jan. 31. Class 13.
Safeguard Corporation, Lansdale, Pa. Stamping machines. Serial No. 540,904, Jan. 31. Class 23.
Sagner's, A., Son, Baltimore, Md. Men's suits, coats, trousers, etc. Serial No. 569,478, Jan. 31. Class 39.
Sandack Corporation, Inc., Chicago, Ill. Germicidal deodorant and disinfectant. Serial No. 566,953, Jan. 31. Class 6.
Santa-Graf Corporation, Chicago, Ill. Finished photographs. Serial No. 555,772, Jan. 31. Class 38.
Savage Arms Corporation, Utica, N. Y. Lawn mowers. Serial No. 525,499, Jan. 31. Class 23.
Savage Arms Corporation, Utica, N. Y. Gasoline power driven lawn mowers. Serial No. 525,501, Jan. 31. Class 23.
Schanzer, Tilly, Inc., New York, N. Y. Women's sportswear. Serial No. 564,916, Jan. 31. Class 39.
Schield Bantam Company, Waverly, Iowa. Earth moving machinery. Serial No. 553,907, Jan. 31. Class 23.
Schlumberger Well Surveying Corporation, Houston, Tex. Oil well services. Serial No. 578,225, Jan. 31. Class 100.
Scientific Plastics, Inc., New York, N. Y. Hearing aid. Serial No. 553,644, Jan. 31. Class 44.
Screw Conveyor Corporation, Hammond, Ind. Elevating and conveying apparatus. Serial No. 564,788, Jan. 31. Class 23.
Seaboard National Shoe Company: *See*—
Levinson, Felix.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation useful in the treatment and prevention of metabolic deficiencies. Serial No. 523,806, Jan. 31. Class 18.
Sherwin-Williams Company, The, Cleveland, Ohio. Liquid composition in the nature of a resinous plastic solution. Serial No. 566,552, Jan. 31. Class 16.
Shuron Optical Company, Inc., Geneva, N. Y. Temples for ophthalmic mountings. Serial No. 573,340, Jan. 31. Class 26.
Siegel, Morris, Wilkes-Barre, Pa. Canned vegetables and coffee. Serial No. 572,337, Jan. 31. Class 46.
Siegfried, H., & Sons, Inc., St. Louis, Mo. Men's trousers and slacks. Serial No. 565,821, Jan. 31. Class 39.
Smith, Hurley, Lansing, Mich. Pocket size, folded plastic sheet. Serial No. 567,280, Jan. 31. Class 37.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for the treatment of anemia. Serial No. 570,795, Jan. 31. Class 18.
Smoler Bros. Inc., Chicago, Ill., and New York, N. Y. Women's and misses' dresses. Serial No. 566,812, Jan. 31. Class 39.
Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Photographic developers. Serial No. 557,162. Jan. 31. Class 6.
Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Synthetic drug. Serial No. 572,132, Jan. 31. Class 18.
Solar Aircraft Company, San Diego, Calif. Exhaust structures of internal combustion engines, etc. Serial No. 536,168, Jan. 31. Class 23.

Southeastern Syrup Company, Jackson, Tenn. Table syrup. Serial No. 536,963, Jan. 31. Class 46.
Spengler-Loomis Manufacturing Company, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Pencil sharpeners and parts therefor. Serial Nos. 571,172–3, Jan. 31. Class 23.
Spengler-Loomis Manufacturing Company, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Pencil sharpeners and parts therefor. Serial Nos. 571,175–6, Jan. 31. Class 23.
Spengler-Loomis Manufacturing Company, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Pencil sharpeners and parts therefor. Serial No. 571,178, Jan. 31. Class 23.
Sperry Candy Company, Milwaukee, Wis. Candy bars. Serial No. 541,212, Jan. 31. Class 46.
Stroock, S., & Co. Inc., New York, N. Y. Women's and misses' coats. Serial No. 556,832, Jan. 31. Class 39.
Stroock, S., & Co. Inc., New York, N. Y. Women's coats. Serial Nos. 556,834–8, Jan. 31. Class 39.
Stroock, S. & Co., Inc., New York, N. Y. Women's coats. Serial Nos. 556,840–44, Jan. 31. Class 39.
Stroock, S., & Co., Inc., New York, N. Y. Women's coats. Serial Nos. 558,197–99, Jan. 31. Class 39.
Stroock, S., & Co. Inc., New York, N. Y. Women's coats. Serial No. 558,203, Jan. 31. Class 39.
Tanbro Fabrics Corp., New York, N. Y. Rayon, cotton, linen, wool, etc., in the piece. Serial No. 539,366, Jan. 31. Class 42.
Tannad Co. The: *See*—
Alder, Robert S.
Tappan Stove Company, The, Mansfield, Ohio. Electric ranges and stoves. Serial No. 550,845, Jan. 31. Class 21.
Temak Products Company, Chicago, Ill. Plastic molding material. Serial No. 558,082, Jan. 31. Class 1.
Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Cotton tie buckles, nails, and track spikes and bolts. Serial No. 574,117, Jan. 31. Class 15.
Texfan Company, assignor to Hackley Morrison Jr., doing business as Texfan Company, Houston, Tex. Ventilating and exhaust fans. Serial No. 566,404, Jan. 31. Class 34.
Thomas & Betts Co., The, Elizabeth, N. J. Electrical conduit fittings; electrical conductors and connectors, etc. Serial No. 547,048, Jan. 31. Class 21.
Tilghman Packing Company, The, Tilghman, Md. Canned fresh oysters, and canned cooked shad fillets, etc. Serial No. 557,701, Jan. 31. Class 46.
Time Oil Co., Seattle, Wash., and Los Angeles, Calif. Gasoline. Serial No. 574,645, Jan. 31. Class 15.
Tingstol Corporation, Chicago, Ill. Flexible plastic case. Serial No. 567,932, Jan. 31. Class 37.
Tri-Clover Machine Co., Kenosha, Wis. Liquid pumps etc. Serial No. 549,301, Jan. 31. Class 23.
Troy of California: *See*—
Troy Sportswear Co.
Troy Sportswear Co., doing business as Troy of California, San Francisco, Calif. Men's and boys' sport shirts and jackets. Serial No. 539,999, Jan. 31. Class 39.
United Conveyor Corporation, Chicago, Ill. Liquid pump. Serial No. 496,112, Jan. 31. Class 23.
United Paper Company, Tampa, Fla. Paper napkins, waxed paper rolls and sheets, toilet paper, etc. Serial No. 566,197, Jan. 31. Class 37.
United States Safety Service Company, *See*—
Parmelee, A. F.
Upper Midwest Specialties Co.: *See*—
Ollman, John J.
Vallins, Addie, Inc., New York, N. Y. Candies and ice cream. Serial No. 528,754, Jan. 31. Class 46.
Verney Corporation, Boston, Mass. Rayon piece goods. Serial No. 579,748, Jan. 31. Class 42.
Vesuvius Crucible Company, Swissvale, Pa. Laboratory crucibles and ladle stoppers. Serial No. 530,040, Jan. 31. Class 26.
Vilches, H.: *See*—
Vilches, Harold, & Co.
Vilches, Harold, & Co., doing business as H. Vilches, Tampa, Fla. Spicing. Serial No. 563,507, Jan. 31. Class 46.
Viobin Corporation, Monticello, Ill. Desiccated and defatted duodenum. Serial No. 569,652, Jan. 31. Class 18.
Vogue Foundations, Inc., Newark, N. J. Foundation garments. Serial No. 538,475, Jan. 31. Class 39.
Wagner, E. R., Manufacturing Company, Milwaukee, Wis. Carpet sweepers. Serial No. 530,993, Jan. 31. Class 23.
Wallingsford, Armour, doing business as Cello-Vision Film Splicer & Repair Machine Company, Glendale, Calif. Film splicer and repair machine. Serial No. 525,267 Jan. 31. Class 26.
Waukesha Motor Company, Waukesha, Wis. Engine-generator units and engine-alternator units. Serial No. 569,656, Jan. 31. Class 21.
Welch, W. M., Manufacturing Company, Chicago, Ill Photosensitive light measuring or indicating instruments. Serial No. 573,390, Jan. 31. Class 26.
Wells Lamont Corporation, Chicago, Ill. Work gloves Serial No. 550,185, Jan. 31. Class 39.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,069, Jan. 31. Class 37.
Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. Serial No. 543,550, Jan. 31. Class 19.
Wittlin, Albert, doing business as Allin Manufacturing Co., Chicago, Ill. Fluid flow sight indicator. Serial No. 563,835, Jan. 31. Class 26.
Wolfson & Greenbaum, Inc., New York, N. Y. Ladies' and misses' dresses. Serial No. 563,514, Jan. 31. Class 39.
Woodboss Inc., Portland, Oreg. Portable power wood saws and parts thereof. Serial No. 567,163, Jan. 31. Class 23.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Sodium xylene sulfonate. Serial No. 566,782, Jan. 31. Class 6.
Yanks-Herbsleb Manufacturing Corporation, Houston, Tex. Trailers. Serial No. 567,108, Jan. 31. Class 19.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Drug. 520,375, Jan. 31; Serial No. 545,929, published Oct. 18, 1949. Class 18.
Acme Shoulder Pad Co. Incorporated, New York, N. Y. Shoulder pads. 520,528, Jan. 31; Serial No. 544,958. Class 40.
Aetna Leather Novelty Co., Union City, N. J. Handbags. 520,411, Jan. 31; Serial No. 557,235, published Oct. 25, 1949. Class 3.
"Afih" Aktiengesellschaft sur Förderung von Handel & Industrie, Winterthur, Canton of Zurich, assignor to Motom G. m. b. H., Zurich, Switzerland. Vehicles. 443,723, Jan. 31; Serial No. 521,712, published Oct. 18, 1949. Class 19.
Airlectron Co., Caldwell, N. J. Telephonic intercommunication apparatus. 520,424, Jan. 31; Serial No. 557,815, published Oct. 25, 1949. Class 21.
Airway Fruit & Vegetable Company, assignor to Airway Fruit & Vegetable Company, Incorporated, Baltimore, Md. Fresh vegetables. 520,433, Jan. 31; Serial No. 559,825, published Oct. 4, 1949. Class 46.
Airway Fruit & Vegetable Company, Incorporated: *See*—
Airway Fruit & Vegetable Company.
Alabama Coffee Co., Sheffield, Ala. Coffee. 263,409, renewed Nov. 5, 1949. O. G. Jan. 31. Class 46.
Allied Packers, Incorporated, Chicago, Ill. Fresh meats, etc. 179,474, Feb. 12, 1924. Canceled Dec. 16, 1949. O. G. Jan. 31. Class 46.
Altman, B., & Co.: *See*—
Bach & Peterfriend.
Altman, B. & Co., New York, N. Y. Hand bags, knitted bags, billfolds, etc. 520,486, Jan. 31; Serial No. 570,152, published Oct. 11, 1949. Class 3.
Altman, B., & Co., New York, N. Y. Ladies' handbags. 520,511, Jan. 31; Serial No. 574,562, published Sept. 27, 1949. Class 3.
American Continental Corporation, Paterson, N. J. Yarns. 520,464, Jan. 31; Serial No. 564,073, published Oct. 25, 1949. Class 43.
American Finishing Company, Memphis, Tenn. Dyeing and treatment of piece goods. 520,519, Jan. 31; Serial No. 505,172, published Aug. 23, 1949. Class 106.
American Folding Umbrella Co., Long Island City, N. Y. Umbrella frames. 520,514, Jan. 31; Serial No. 575,115, published Oct. 18, 1949. Class 41.
American Fruit Growers, Inc., Pittsburgh, Pa. Fresh citrus fruits. 520,356, Jan. 31; Serial No. 531,418, published Jan. 4, 1949. Class 46.
American Institute of Chemists, Inc., The, New York, N. Y. Magazines. 257,320, June 4, 1929. Republished Jan. 31. Class 38.
Andrews, A. B., Company, New York, N. Y., by Butler Brothers, Chicago, Ill. Hosiery. 75,148, Sept. 7, 1909. Republished Jan. 31. Class 39.
Arkansas Printing and Lithographing Company, Little Rock, Ark. Manifold booklets and blank manifold forms. 520,465, Jan. 31; Serial No. 564,092, published Oct. 25, 1949. Class 37.
Armour and Company, doing business under the trade style Jacob E. Decker & Sons, Chicago, Ill. Pork sausage. 520,438, Jan. 31; Serial No. 560,436, published Oct. 11, 1949. Class 46.
Armstrong Cork Company, Lancaster, Pa. Medicine dropper bottles, medicine droppers, and medicine feeding tubes and cups, etc. 520,382, Jan. 31; Serial No. 549,220, published Oct. 18, 1949. Class 44.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y., to A. D. Juilliard & Co., New York, N. Y. All-worsted and all-woolen dress and coating fabrics in the piece. 265,909, renewed Jan. 7, 1950. O. G. Jan. 31. Class 42.

Atlantic Mills, The, Olneyville and Providence, R. I., to A. D. Juilliard & Co., Inc., New York, N. Y. All-worsted and all-woolen dress and coating fabrics in the piece. 267,477, renewed Feb. 18, 1950. O. G. Jan. 31. Class 42.
Bach & Peterfriend, to B. Altman & Co., New York, N. Y. Men's, women's, and children's hosiery, etc. 427,776, Feb. 18, 1947. New certificate. O. G. Jan. 31. Class 39.
Bancroft, Joseph, & Sons Co., Wilmington, Del. Treated piece goods. 520,339, Jan. 31; Serial No. 471,112, published Oct. 18, 1949. Class 42.
Basic Foods, Inc., New York, N. Y. Icing. 520,431, Jan. 31; Serial No. 559,672, published Oct. 11, 1949. Class 46.
Beatrice Foods Co., Chicago, Ill. Fresh milk, fresh cream, fresh eggs, butter and cheese. 520,365, Jan. 31; Serial No. 535,788, published Oct. 18, 1949. Class 46.
Beautymasters of Beverly Hills, Inc., Milwaukee, Wis. Cream powder base. 520,386, Jan. 31; Serial No. 550,297, published Oct. 25, 1949. Class 51.
Bell Fibre Products Corporation: *See*—
Indiana Fibre Products Company, N. Y., to H. Forrest.
Bell Syndicate, Inc., The, New York, N. Y. Strips of humorous drawings. Los Angeles, Calif. 268,332, renewed Mar. 11, 1950. O. G. Jan. 31. Class 38.
Belle Center Creamery and Cheese Company, Belle Center, Ohio. Milk sugar residue. 520,383, Jan. 31; Serial No. 549,493, published Oct. 11, 1949. Class 46.
Benson & Hedges, New York, N. Y. Cigars, cigarettes and smoking tobacco. 520,355, Jan. 31; Serial No. 530,800, published Mar. 8, 1949. Class 17.
Berkshire Fine Spinning Associates, Inc., Adams, Mass., and Providence, R. I. Textile fabrics. 520,456, Jan. 31; Serial No. 563,582, published Oct. 4, 1949. Class 42.
Binns, J. H., and Company Limited, Keighley, England. Piece goods. 520,491, Jan. 31; Serial No. 571,676, published Oct. 11, 1949. Class 42.
Black & Decker Manufacturing Company, The, Towson, Md. Portable electric grinders, portable electric reamers, etc. 520,354, Jan. 31; Serial No. 530,460, published Nov. 1, 1949. Class 21.
Black Rock Mfg. Co., The, Bridgeport, Conn. Rubber-working machines. 265,983, renewed Jan. 7, 1950. O. G. Jan. 31. Class 23.
Blanchet, Maurice, Parfums de Luxe, Societe Anonyme, Suresnes (Siene), France. Perfumes, toilet waters, face powders, etc. 265,317, renewed Dec. 24,1949. O. G. Jan. 31. Class 51.
Bowser, Inc., Fort Wayne, Ind. Positive displacement meters and positive displacement metering systems. 443,715, Jan. 31; Serial No. 515,219, published Sept. 20, 1949. Class 26.
Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all kinds of fabrics, etc. 520,539, Jan. 31; Serial No. 544,144. Class 106.
Briggs, Inc., New York, N. Y. Men's hats, outer shirts, neckties, etc. 443,726, Jan. 31; Serial No. 490,736. Class 39.
Brooks Bank Note Company, Springfield, Mass. Writing and printing paper. 520,395, Jan. 31; Serial No. 552,336, published Oct. 11, 1949. Class 37.
Brown & Williamson Tobacco Corporation, Louisville, Ky. Smoking and chewing tobacco. 520,420, Jan. 31; Serial No. 557,588, published Oct. 11, 1949. Class 17.
Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, smoking tobacco, chewing tobacco, and snuff. 520,428, Jan. 31; Serial No. 558,456, published Oct. 25, 1949. Class 17.
BullDog Electric Products Company, Detroit, Mich. Electrical switch and fuse control panels and boxes. 520,379, Jan. 31; Serial No. 548,923, published Nov. 1, 1949. Class 21.
Burdsal, A., Company, The, Indianapolis, Ind. Flat-finish paint. 77,017, re-renewed Mar. 1, 1950. O. G. Jan. 31. Class 16.
Burlington Mills Corporation: *See*—
Concordia-Gallia Corporation.
Burlington Mills Corporation, Greensboro, N. C. Piece goods, bedspreads, draperies, etc. 520,368, Jan. 31; Serial No. 541,077, published Jan. 18, 1949. Class 42.
Burlington Mills Corporation, Greensboro, N. C. Piece goods, bedspreads, draperies, etc. 520,369, Jan. 31; Serial No. 541,081, published Jan. 18, 1949. Class 42.
Burlington Mills Corporation, Greensboro, N. Y. Piece goods. 520,398, Jan. 31; Serial No. 553,450, published Apr. 19, 1949. Class 42.
Butler Brothers: *See*—
Andrews, A. B., Company.
Cahn, Bernard, Co., Inc., New York, N. Y. Women's purses, wallets, combination wallets and purses, etc. 520,518, Jan. 31; Serial No. 575,696, published Oct. 25, 1949. Class 3.
California Animal Products Co. Inc., by Calo Dog Food Company, Inc., Oakland, Calif. Dog and cat food. 261,263, Sept. 10, 1929. Republished Jan. 31. Class 46.
California Foundations, Inc., Los Angeles, Calif. Foundation garments, panties, corsets, etc. 520,536, Jan. 31; Serial No. 570,821. Class 39.
California Wine Sales, Inc., by Wine Growers Guild, Lodi, Calif. Wine. 404,800, Nov. 16, 1943. Republished Jan. 31. Class 47.
California Wine Sales, Inc., by Wine Growers Guild, Lodi, Calif. Wine. 407,662, June 20, 1944. Republished Jan. 31. Class 47.
Calo Dog Food Company, Inc.: *See*—
California Animal Products Co. Inc.
Camel Lead Color & Chemical Products Mfg. Corp., Brooklyn, N. Y. Prepared shellac and varnishes, lacquers, paint enamels, flat paints, etc. 260,465, Aug. 27, 1929. Republished Jan. 31. Class 16.
Candy Artists, Inc., San Francisco, Calif. Candy. 520,448, Jan. 31; Serial No. 563,056, published Oct. 4, 1949. Class 46.
Carter, Ralph B., Company, Hackensack, N. J. Diaphragm pumps. 158,199, Aug. 29, 1922. Republished Jan. 31, Class 23.
Central Pharmacy, Inc., Fitzgerald, to Central Pharmacy, Inc., Macon, Ga. Preparation for use in the treatment of skin diseases. 267,571, renewed Feb. 25, 1950. O. G. Jan. 31. Class 18.
Cerophyl Laboratories, Inc., Kansas City, Mo. Live stock and poultry feed supplement. 520,396, Jan. 31; Serial No. 552,569, published Oct. 11, 1949. Class 46.
Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Filler caps of automobile radiators. 269,276, renewed Apr. 1, 1950. O. G. Jan. 31. Class 19.
Chatfield Paper Corporation, The, Cincinnati, Ohio. Bond paper. 520,534, Jan. 31; Serial No. 567,344. Class 37.
Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly, perfumed petroleum jelly, medicated petroleum jellies, etc. 443,718–19, Jan. 31; Serial Nos. 519,626–7, published Feb. 24, 1948. Class 51.
Cluett, Peabody & Co., Inc., Troy, N. Y. Wool piece goods. 520,493, Jan. 31; Serial No. 572,240, published Oct. 11, 1949. Class 42.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 443,709, Jan. 31; Serial No. 470,939, published Aug. 24, 1948. Class 42.
Colt's Manufacturing Company: *See*—
Colt's Patent Fire Arms Manufacturing Co.
Colt's Patent Fire Arms Manufacturing Co., to Colt's Manufacturing Company, Hartford, Conn. Pistols. 260,616, renewed Aug. 27, 1949. O. G. Jan. 31. Class 9.
Columbia Fastener Company, Chicago, Ill. Dress fasteners. 520,447, Jan. 31; Serial No. 562,542, published Oct. 4, 1949. Class 40.
Concordia-Gallia Corporation, New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 520,525–6, Jan. 31; Serial Nos. 542,093–4. Class 42.
Congoleum-Nairn Inc., Kearny, N. J. Felt-base rugs and floor covering. 269,684–6, renewed Apr. 15, 1950. O. G. Jan. 31. Class 20.
Conklin Pen Company, Inc., The, Chicago, Ill. Ball point fountain pens. 520,425, Jan. 31; Serial No. 558,282, published Oct. 4, 1949. Class 37.
Consolidated Tea Company, Inc., by Adolph Goldmark & Sons, Corp., N. Y. Candy. 277,875, Dec. 2, 1930. Republished Jan. 31. Class 46.
Continental Elastic Corporation, New Bedford, Mass. Elastic braids, narrow elastic webs, non-elastic narrow fabrics. 520,401, Jan. 31; Serial No. 553,819, published Oct. 4, 1949. Class 40.
Cooper, Harry D., & Co., Inc., Boston, Mass. Woolen goods in the piece. 443,718, Jan. 31; Serial No. 511,266, published Oct. 4, 1949. Class 42.
Cornell Aeronautical Laboratory, Inc.: *See*—
Cornell Research Foundation, Inc.
Cornell Research Foundation, Inc., assignor to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Precision and scientifically made models. 443,721, Jan. 31; Serial No. 520,148, published Sept. 27, 1949. Class 26.
Crompton Company, Crompton, R. I. Fabrics in the piece. 520,489, Jan. 31; Serial No. 571,603, published Oct. 4, 1949. Class 42.
Crown Willamette Paper Company: *See*—
Crown Zellerbach Corporation.
Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Paper napkins. 520,381, Jan. 31; Serial No. 549,124, published Oct. 4, 1949. Class 37.
Crystal, Edwina, doing business under the name of Princess Products, Newark, N. J. Cosmetics. 520,482, Jan. 31; Serial No. 569,508, published Oct. 25, 1949. Class 51.
Curtice Brothers Co., Rochester, N. Y. Ketchup. 264,790, renewed Dec. 3, 1949. O. G. Jan. 31. Class 46.
Cussins and Fearn Company, The, Columbus, Ohio. Lawnmowers. 520,393, Jan. 31; Serial No. 551,613, published Oct. 11, 1949. Class 23.
Dabs Creations, Inc., Chicago, Ill. Leather and imitation leather cases. 520,405, Jan. 31; Serial No. 555,251, published Oct. 25, 1949. Class 3.
Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. 520,490, Jan. 31; Serial No. 571,606, published Oct. 4, 1949. Class 42.
D'Arrigo Bros. Co. of California: *See*—
Sheehy & Cumming.

Davis, William S., Havertown, Pa. Architectural models of buildings. 443,720, Jan. 31; Serial No. 519,736, published Sept. 20, 1949. Class 26.

Decker, Jacob E., & Sons: *See*—
Armour and Company.

Dekotah Cotton Mills, Inc., Lexington, N. C. Cotton piece goods, etc. 300,791, Feb. 7, 1933. Canceled Dec. 12, 1949. O. G. Jan. 31. Class 42.

Den Outer, Marius, Rotterdam, Netherlands. Card index files, card holders, and card boxes. 443,724, Jan. 31; Serial No. 524,412, published Oct. 11, 1949. Class 37.

Diamond Alkali Company, Cleveland, Ohio. Chemical preparations. 443,396, Sept. 27, 1949. Republished Jan. 31. Class 6.

Diamond Alkali Company, Cleveland, Ohio. Chemical preparations. 443,478, Oct. 25, 1949. Republished Jan. 31. Class 6.

Diamond Alkali Company, Cleveland, Ohio. Precipitated calcium carbonate. 520,444, Jan. 31; Serial No. 561,899, published Oct. 25, 1949. Class 6.

Dick, A. B., Company, Chicago, Ill. Correction fluid; filing wrappers; interleaving blotters and separators; etc. 520,430, Jan. 31; Serial No. 559,585, published Sept. 20, 1949. Class 37.

Doan Manufacturing Corp., East Cleveland, Ohio. Automobile muffler supports; and exhaust deflectors. 520,384, Jan. 31; Serial No. 549,521, published Oct. 25, 1949. Class 23.

Doniger, David D., & Co., New York, N. Y. Men's, women's, and children's sportswear. 335,459, June 2, 1936. Corrected. O. G. Jan. 31. Class 39.

Dozier & Gay Paint Company, Jacksonville, Fla. House paint. 520,363, Jan. 31; Serial No. 534,518, published Dec. 14, 1948. Class 16.

Dunaway, Judson, Corporation, Dover, N. H. Chemical drain opener. 520,473, Jan. 31; Serial No. 566,618, published Oct. 4, 1949. Class 52.

Dundee Knitting Company: *See*—
Nierenberg, Moses B.

Duplan Corporation, The, New York, N. Y. Textile yarns. 520,510, Jan. 31; Serial No. 574,498, published Sept. 27, 1949. Class 43.

Dussi-Wallace and Company, New York, N. Y. Plain transparent cellophane, moisture-proof cellophane, and wrinkled moisture-proof cellophane. 520,367, Jan. 31; Serial No. 540,800, published Oct. 25, 1949. Class 37.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Mechanical pencils. 520,366, Jan. 31; Serial No. 538,260, published Oct. 11, 1949. Class 37.

Eckerson Company, Jersey City, N. J., to Swift & Company, Chicago, Ill. Oleomargarine. 265,004, renewed Dec. 10, 1949. O. G. Jan. 31. Class 46.

Elmore, R. A., doing business as E. A. Fulcher Distilling Co., Inc., Richmond, Va. Rye and bourbon whiskies. 263,738, renewed Nov. 12, 1949. O. G. Jan. 31. Class 49.

Empire Projector Corp., New York, N. Y. Motion picture projectors and related photo-electric cells, amplifiers, and loudspeakers. 520,347, Jan. 31; Serial No. 523,573, published Sept. 20, 1949. Class 26.

Empire Silk Company, Wilmington, Del., and New York, N. Y., by I. Schneierson & Sons, Inc., New York, N. Y. Silk piece goods. 127,823, Dec. 9, 1919. Republished Jan. 31. Class 42.

Epstein, M., & Company, by Flagmaid Foods, Incorporated, Stamford, Conn. Canned fruits and vegetables. 258,488, July 9, 1929. Republished Jan. 31. Class 46.

Eureka Williams Corporation, Bloomington, Ill. Waste food disposers. 520,352, Jan. 31; Serial No. 529,616, published Feb. 22, 1949. Class 21.

Fairfield Glove Company: *See*—
Fairfield Glove and Mitten Company.

Fairfield Glove and Mitten Company, by Fairfield Glove Company, Fairfield, Iowa. Gloves and mittens. 381,791, Oct. 8, 1940. Republished Jan. 31. Class 39.

Farmingdale N. J. Cooperative Egg Producers Ass'n Inc., Lakewood, N. J. Fresh eggs. 520,406, Jan. 31; Serial No. 555,400, published Oct. 18, 1949. Class 46.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Photographic equipment, and optical equipment. 520,358, Jan. 31; Serial No. 533,153, published Apr. 12, 1949. Class 26.

Felder Bros., New York, N. Y. Toy pistol holsters etc. 297,478, Sept. 13, 1932. Canceled Dec. 16, 1949. O. G. Jan. 31. Class 22.

Fitchburg Paper Company, Fitchburg, Mass. Printing and converting papers. Serial No. 520,458, Jan. 31; Serial No. 563,733, published Oct. 4, 1949. Class 37.

Flagmaid Foods, Incorporated: *See*—
Epstein, M., & Company.

Flightex Fabrics, Inc.: *See*—
Twining, E. S., & Co.

Flour Mills of America, Inc., Kansas City, Mo., doing business as Great Bend Milling Company, Great Bend, Kans. Wheat flour. 520,467. Jan. 31; Serial No. 564,325, published Oct. 18, 1949. Class 46.

Forrest, Hal: *See*—
Bell Syndicate, Inc., The.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 520,498–502, Jan. 31; Serial Nos. 573,235–9, published Oct. 25, 1949. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 520,503–4, Jan. 31; Serial Nos. 573,241–2, published Oct. 25, 1949. Class 42.

Fox Company, The: *See*—
Fox, Ralph T.

Fox, Ralph T., doing business as The Fox Company, by The Fox Company, Newfield, N. J. Poultry feed. 395,316, May 19, 1942. Republished Jan. 31. Class 46.

Frankfort Distilleries, Incorporated: *See*—
Frankfort Distillery, Inc., The.

Frankfort Distilleries, Incorporated, to Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 315,218, July 24, 1934. New certificate. O. G. Jan. 31. Class 49.

Frankfort Distilleries, Incorporated to Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 318,910, Nov. 6, 1934. New certificate. O. G. Jan. 31. Class 49.

Frankfort Distilleries, Incorporated to Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 355,792, Mar. 29, 1938. New certificate. O. G. Jan. 31. Class 49.

Frankfort Distillery, Inc., The, to Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 308,171, Nov. 21, 1933. New certificate. O. G. Jan. 31. Class 49.

Fran-Stef Manufacturing Company, New York, N. Y. Portfolios. 520,507, Jan. 31; Serial No. 573,761, published Sept. 27, 1949. Class 3.

French Sardine Company of California, The, Terminal Island, Calif. Canned fish. 268,963, renewed Mar. 25, 1950. O. G. Jan. 31. Class 46.

Friedstrass Company, The, New York, N. Y. Sash cord, clothesline, and twines. 520,515, Jan. 31; Serial No. 575,138, published Oct. 18, 1949. Class 7.

Fries Bros., to Fries Bros., Inc., New York, N. Y. Medical compounds. 34,163, re-renewed Feb. 6, 1950. O. G. Jan. 31. Class 18.

Fries Bros., Inc.: *See*—
Fries Bros.

Fulcher, E. A., Distilling Co., Inc.: *See*—
Elmore, R. A.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh citrus fruits. 520,408, Jan. 31; Serial No. 556,089, published Oct. 11, 1949. Class 46.

Gair, Robert, Company, Inc., New York, N. Y. Boxboard, paper board, and cardboard. 520,373, Jan. 31; Serial No. 544,992, published Sept. 20, 1949. Class 37.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 265,848, renewed Jan. 7, 1950. O. G. Jan. 31. Class 35.

Gates Engineering Company, New Castle, Del. Chemical compositions primarily composed of synthetic rubbers, etc. 443,714, Jan. 31; Serial No. 515,169, published Aug. 10, 1948. Class 16.

Gaylord Container Corporation, St. Louis, Mo. Paper and paperboard. 520,469, Jan. 31; Serial No. 564,564, published Oct. 25, 1949. Class 37.

Gebauer Chemical Company, The, Cleveland, Ohio. Ethyl chloride, phenyl mercuric chloride and tannic acid. 520,476, Jan. 31; Serial No. 567,692, published Oct. 4, 1949. Class 6.

General Aniline & Film Corporation, New York, N. Y. Light-sensitive photographic material. 520,362, Jan. 31; Serial No. 534,432, published Aug. 16, 1949. Class 26.

General Aniline & Film Corporation, New York, N. Y. Translucent typing, writing, and printing paper. 520,426–7, Jan. 31; Serial Nos. 558,294–5, published Oct. 11, 1949. Class 37.

General Baking Company, New York, N. Y. Cake, pastry, biscuits, cookies, etc. 159,357, Sept. 26, 1922. Republished Jan. 31. Class 46.

General Baking Company, New York, N. Y. Bread. 370,780, Sept. 5, 1939. Republished Jan. 31. Class 46.

General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. 261,802, Sept. 24, 1929. Republished Jan. 31. Class 21.

General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

General Dyestuff Corporation, New York, N. Y. Product used for sizing artificial silk. 267,888, renewed Mar. 4, 1950. O. G. Jan. 31. Class 6.

Goldmark, Adolph, & Sons, Corp.: *See*—
Consolidated Tea Company, Inc.

Goldmark, Adolph, & Sons Corp., by Adolph Goldmark & Sons, Corp., New York, N. Y. Olives, olive oil, spices, and cheese, etc. 359,382, Aug. 16, 1938. Republished Jan. 31. Class 46.

Gotham Tissue Corporation, Salem, N. Y. Toilet paper and paper facial tissues. 267,105, Feb. 11, 1930. Republished Jan. 31. Class 37.

Gotham Tissue Corporation, Salem, N. Y. Toilet paper and paper facial tissues. 267,111, Feb. 11, 1930. Republished Jan. 31. Class 37.

Gradiax, Annis & Co., Inc., Tampa, Fla. Cigars. 520,370, Jan. 31; Serial No. 542,120, published Oct. 1, 1949. Class 17.

Great Bend Milling Company: *See*—
Flour Mills of America, Inc.

Gyro International, Cleveland, Ohio. Stimulating and maintaining interest in public affairs, citizenship and civic and community activities, etc. 520,520, Jan. 31; Serial No. 577,185, published Oct. 4, 1949. Class 100.

Hainke, Paul W., doing business as Hainke Sales and Distributing Company, Hutchinson, Kans. Automobile head lamps. 520,471, Jan. 31; Serial No. 565,487, published Oct. 11, 1949. Class 19.

Hainke Sales and Distributing Company: *See*—
Hainke, Paul W.

Haire Publishing Company, The, New York, N. Y., by R. C. Trethaway, doing business as The Journal of Business Education, Wilkes-Barre, Pa. Monthly magazine. 261,505, Sept. 17, 1929. Republished Jan. 31. Class 38.

Halferty Corporatiou: *See*—
Halferty, G. P., & Co.

Halferty, G. P., & Co., to Halferty Corporation, Seattle, Wash. Canned salmon. 262,392, renewed Oct. 8, 1949. O. G. Jan. 31. Class 46.

Handy, H. L., Company, Springfield, Mass., to Swift & Company, Chicago, Ill. Eggs, and meat and meat products. 268,480, renewed Mar. 18, 1950. O. G. Jan. 31. Class 46.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. 520,361, Jan. 31; Serial No. 534,119, published Oct. 25, 1949. Class 37.

Hawaiian Canneries Company, Ltd., Kapaa, Kauai, Territory of Hawaii. Canned, sliced, and crushed pineapple and pineapple juice. 266,279, renewed Jan. 14, 1950. O. G. Jan. 31. Class 46.

Hawaiian Canneries Company, Ltd., Kapaa, Kauai, Territory of Hawaii. Canned, sliced and crushed pineapple and pineapple juice. 267,114, renewed Feb. 11, 1950. O. G. Jan. 31. Class 46.

Hearn Department Stores, Inc.: *See*—
Hearn, James A., & Son., Inc.

Hearn, James A., & Son., Inc., to Hearn Department Stores, Inc., New York, N. Y. Men's, women's, and children's hosiery. 263,390, renewed Nov. 5, 1949. O. G. Jan. 31. Class 39.

Hearst Corporation, The, New York, N. Y. Newspaper section, feature or department. 520,537, Jan. 31; Serial No. 571,213. Class 38.

Heath Company, The, Benton Harbor, Mich. Electric test apparatus. 520,346, Jan. 31; Serial No. 520,947, published Sept. 20, 1949. Class 26.

Hecht Co., The, Washington, D. C. Hosiery, shoes. 376,715, Apr. 2, 1940. Restricted. O. G. Jan. 31. Class 39.

Heiland Research Corporation, Denver, Colo. Electronic flashlight bulb actuating apparatus. 443,722, Jan. 31; Serial No. 521,012, published Sept. 13, 1949. Class 26.

Heminway & Bartlett Mfg. Co., The, Watertown, Conn. Silk sewing, mending, and darning thread. 520,506, Jan. 31; Serial No. 573,322, published Sept. 27, 1949. Class 43.

Holiday Fabrics, Inc., Pomfret Center, Conn. Hand-loomed woolen piece goods. 520,505, Jan. 31; Serial No. 573,247, published Oct. 25, 1949. Class 42.

Holloway, M. J., & Co., Chicago, Ill. Candy. 520,470, Jan. 31; Serial No. 564,569, published Oct. 18, 1949. Class 46.

Holtite Manufacturing Company, The, Baltimore, Md. Rubber heels and soles. 264,543, renewed Nov. 26, 1949. O. G. Jan. 31. Class 39.

Horlicks Corporation, Racine, Wis. Malted milk. 520,345, Jan. 31; Serial No. 519,753, published Oct. 18, 1949. Class 46.

Houghland Packing Co., Inc., The, Franklin, Ind. Canned vegetables, canned tomato juice and tomato catsup. 520,360, Jan. 31; Serial No. 533,896, published Oct. 18, 1949. Class 46.

House Beautiful Curtains, Inc., New York, N. Y. Window curtains. 448,710, Jan. 31; Serial No. 504,767, published Feb. 10, 1948. Class 42.

House of Rothchild, Inc., The, New York, N. Y. Coffee. 520,535, Jan. 31; Serial No. 568,505. Class 46.

Hudson, J. L., Company, The, Detroit, Mich. Boys' hosiery. 268,454, renewed Mar. 18, 1950. O. G. Jan. 31. Class 39.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts therefor. 348,373, July 27, 1937. Republished Jan. 31. Class 19.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts therefor. 440,223, Aug. 17, 1948. Republished Jan. 31. Class 19.

Hurlbut Paper Company, South Lee, Mass. Writing and printing paper. 520,372, Jan. 31; Serial No. 543,355, published Oct. 18, 1949. Class 37.

Hygrade Food Products Corporation, New York, N. Y. Cheese. 520,466, Jan. 31; Serial No. 564,126, published Oct. 18, 1949. Class 46.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to General Dyestuff Corporation, New York, N. Y. Chemical product. 267,893, renewed Mar. 4, 1950. O. G. Jan. 31. Class 6.

Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables. 520,435, Jan. 31; Serial No. 560,203, published Oct. 11, 1949. Class 46.

Illinois Canning Co., The, Hoopeston, Ill. Canned beans. 520,436, Jan. 31; Serial No. 560,204, published Oct. 11, 1949. Class 46.

Imperial Chemical Industries, Limited, Slough, England. Synthetic yarns and thread. 520,477, Jan. 31; Serial No. 568,257, published Sept. 27, 1949. Class 48.

Indiana Fibre Products Company, to Bell Fibre Products Corporation, Marion, Ind. Paper dishes. 264,719, renewed Dec. 3, 1949. O. G. Jan. 31. Class 2.

Infant Items, Incorporated, Fremont, Ohio. Textile sheeting. 520,351, Jan. 31; Serial No. 528,866, published Oct. 25, 1949. Class 42.

International Harvester Company, Chicago, Ill. Twine. 520,496, Jan. 31; Serial No. 572,848, published Oct. 25, 1949. Class 7.

International Products Corporation, New York, N. Y. Canned meats and canned meat products. 269,638, renewed Apr. 15, 1950. O. G. Jan. 31. Class 46.

International Products Corporation, New York, N. Y. Canned meats and canned meat products. 269,939, Apr. 22, 1930. Republished Jan. 31. Class 46.

Isaly Dairy Company, The, Youngstown, Ohio. Coffee and potato chips. 520,460, Jan. 31; Serial No. 563,931, published Oct. 11, 1949. Class 46.

Isaly Dairy Company, The, Youngstown, Ohio. Chocolate covered ice cream slice. 520,461, Jan. 31; Serial No. 563,934, published Oct. 18, 1949. Class 46.

Jefferson Island Salt Company, Louisville, Ky. Salt. 520,462, Jan. 31; Serial No. 563,936, published Oct. 11, 1949. Class 46.

Johnson & Johnson, New Brunswick, N. J. Medical and surgical plasters. 54,308, June 26, 1906. Republished Jan. 31. Class 44.

Journal of Business Education, The: *See*—
Haire Publishing Company, The.

Julilliard, A. D., & Co., Inc.: *See*—
Atlantic Mills, The.
New York Mills Corp.

Julilliard, A. D., & Co., Inc., New York, N. Y. Fabrics. 265,532, renewed Dec. 31, 1949. O. G. Jan. 31. Class 42.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Paper wash cloths. 520,449, Jan. 31; Serial No. 563,189, published Oct. 4, 1949. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Paper vegetable row covering. 520,450, Jan. 31; Serial No. 563,192, published Oct. 4, 1949. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. High gloss coated shelf paper. 520,451, Jan. 31; Serial No. 563,193, published Sept. 27, 1949. Class 37.

Kalart Company Inc., The, Stamford, Conn. Camera attachments and accessories. 520,340, Jan. 31; Serial No. 482,327, published Sept. 20, 1949. Class 26.

Kannapolis Manufacturing Company, Inc., Kannapolis, N. C. Towels, wash cloths, blankets, etc. 520,357, Jan. 31; Serial No. 532,137, published Oct. 25, 1949. Class 42.

Karaghuesian, A. & M., Inc., New York, N. Y. Textile rugs and carpets. 268,580–1, renewed Mar. 18, 1950. O. G. Jan. 31. Class 42.

Keyes Fibre Company: *See*—
Keyes Fibre Company, Inc.

Keyes Fibre Company, Inc., to Keyes Fibre Company, Waterville, Maine. Plates and dishes. 264,917, renewed Dec. 10, 1949. O. G. Jan. 31. Class 2.

Klein, Emil D., Co., Inc., New York, N. Y. Cigars, cigarettes, and cheroots. 520,353. Jan. 31; Serial No. 529,776, published July 27, 1948. Class 17.

Kleinberger, G. D., Inc., assignor to Tecla Corporation, New York, N. Y. Handbags, purses, pocketbooks, etc. 520,434. Jan. 31; Serial No. 559,929, published Jan. 25, 1949. Class 3.

Kleinert, I. B., Rubber Company, New York, N. Y., and elsewhere. Bathing caps. 520,521, Jan. 31; Serial No. 514,478. Class 39.

Kline Brothers Company: *See*—
Kline Brothers Co.

Kline Brothers Co., to Kline Brothers Company, New York, N. Y. Juniors', misses', ladies', etc., dresses. 262,995, renewed Oct. 29, 1949. O. G. Jan. 31. Class 39.

Koh-I-Noor, Spojene Kovoprumyslove Zavody, Narodni Podnik, also named Koh-I-Noor, United Metalware Factories, National Corporation, Praha, Czechoslovakia. Closures and fasteners, crochet hooks, etc. 520,487–8, Jan. 31; Serial Nos. 571,146–7, published Sept. 27, 1949. Class 40.

Koh-I-Noor, United Metalware Factories, National Corporation: *See*—
Koh-I-Noor, Spojene Kovoprumyslove Zavody, Narodni Podnik.

Koppers Company, The, by Koppers Company, Inc., Pittsburgh, Pa. Raw or partly prepared product from processes of commingling coal and oil. 265,502, Dec. 31, 1929. Republished Jan. 31. Class 1.

Koppers Company, Inc.: *See*—
Koppers Company, The.

Kraft Foods Company, Chicago, Ill. Camembert cheese. 520,452. Jan. 31; Serial No. 563,198, published Oct. 11, 1949. Class 46.

Kroehler Manufacturing Company, Naperville, Ill. Furniture. 275,549, Sept. 23, 1930. Republished Jan. 31. Class 32.

Kuhlman, Rolla W., Waco, Tex., Budget plan. 520,443, Jan. 31; Serial No. 561,836, published Sept. 27, 1949. Class 37.

Lance, Inc., Charlotte, N. C. Peanut butter sandwiches. 520,454, Jan. 31; Serial No. 563,419, published Oct. 18, 1949. Class 46.

Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Heat-insulating material. 266,823, renewed Feb. 4, 1950. O. G. Jan. 31. Class 12.

Law, John W., Co., Santa Maria, Calif. Fresh cauliflower. 443,443, Oct. 11, 1949. Republished Jan. 31. Class 46.

Legendre, J. Marion, New Orleans, La. Liquor. 320,154, Dec. 18, 1934. Republished Jan. 31. Class 49.
Levinsohn Textile Co., New York, N. Y. Pillow ticks. 520,442, Jan. 31; Serial No. 561,755, published Oct. 18, 1949. Class 42.
Levy, Maurice, to Mauvel, Ltd., New York, N. Y. Sponges. 248,084, renewed Mar. 4, 1950. O. G. Jan. 31. Class 1.
Liberty Bags, Inc., New York, N. Y. Ladies' and children's handbags. 520,508, Jan. 31; Serial No. 573,956, published Sept. 27, 1949. Class 3.
Liberty Electric Supply Company, Liberty, N. Y. Electric refrigerators. 385,886. Mar. 18, 1941. Republished Jan. 31. Class 31.
Liberty Overall Co., by Liberty Trouser and Overall Company, Birmingham, Ala. Overalls and trousers. 261,696, Sept. 24, 1929. Republished Jan. 31. Class 39.
Liberty Trouser and Overall Company: *See*—
Liberty Overall Co.
Lindsay Citrus Growers Association, Lindsay, Calif. Fresh citrus fruits. 520,445–6, Jan. 31; Serial Nos. 562,212–13, published Oct. 4, 1949. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. 520,414–19, Jan. 31; Serial Nos. 557,534–9, published Oct. 11, 1949. Class 46.
Lubash, Maurice, doing business as Ru-Ell Novelties, New York, N. Y. Bust pads. 520,392, Jan. 31; Serial No. 551,394, published Oct. 11, 1949. Class 40.
Lucatelli Packing Company, West New York, N. J. Edible oils and coffee. 520,400, Jan. 31; Serial No. 553,727, published Oct. 11, 1949. Class 46.
M. A. D. Products, Inc., Ramsey, N. J. Rouge, face powder, perfume, etc. 520,479, Jan. 31; Serial No. 569,325, published Oct. 4, 1949. Class 51.
Magnetos Lucifer Societe Anonyme, Geneva, Switzerland. Accessories for bicycles and motor cycles. 520,440, Jan 31; Serial No. 561,320, published Oct. 11, 1949. Class 19.
Main Toy Company, Oskaloosa, Iowa, to Whitman Publishing Company, Racine, Wis. Toy building blocks. 268,283 renewed Mar. 11, 1950. O. G. Jan. 31. Class 22.
Mangels-Herold Company, Inc., Baltimore, Md. Compound of corn syrup and West India molasses. 269,402, renewed Apr. 8, 1950. O. G. Jan. 31. Class 46.
Manufacture de Papiers Peints I. Leroy (Societe Anonyme), Ponthierry Seine-et-Marne, France. Wallpapers. 520,459, Jan. 31; Serial No. 563,859, published Oct. 11, 1949. Class 37.
Markwell Mfg. Co., Inc., New York, N. Y. Hatchets, hammers, crate openers, etc. 265,481, renewed Dec. 31, 1949. O. G. Jan. 31. Class 23.
Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. 520,432, Jan. 31; Serial No. 559,721, published Oct. 11, 1949. Class 23.
Marshall Field & Company, Chicago, Ill. Textile rugs 520,497, Jan. 31; Serial No. 572,854, published Oct. 25, 1949. Class 42.
Marshall Field & Company, Chicago, Ill. Woolen knitting yarn. 520,509, Jan. 31; Serial No. 573,958, published Sept. 27, 1949. Class 43.
Mauvel, Ltd.: *See*—
Levy, Maurice.
Mayflower Dress Co., Inc., New York, N. Y. Ladies' and misses' dresses and jumpers. 520,532, Jan. 31; Serial No. 564,262. Class 39.
McDonald Manufacturing Company, Los Angeles, Calif. Electrical apparatus. 520,385, Jan. 31; Serial No. 549,820, published Oct. 25, 1949. Class 21.
McDougall-Butler Co., Inc., Buffalo, N. Y. Varnish. 149,439. Dec. 13, 1921. Republished Jan. 31. Class 16.
McDougall-Butler Co., Inc., Buffalo, N. Y. Paint enamel. 149,440, Dec. 13, 1921. Republished Jan. 31. Class 16.
McDougall-Butler Co., Inc., Buffalo, N. Y. Dry, paste, and ready-mixed paints. 200,726, July 7, 1925. Republished Jan. 31. Class 16.
McDougall-Butler Co., Inc., Buffalo, N. Y. Enamel paint 207,905, Jan. 12, 1926. Republished Jan. 31. Class 16.
McDougall-Butler Co., Inc., Buffalo, N. Y. Paste white paint. 232,835, Sept. 20, 1927. Republished Jan. 31 Class 16.
McDougall-Butler Co., Inc., Buffalo, N. Y. Ready-mixed and paste paints, varnishes, and paint enamels. 382,416. Oct. 29, 1940. Republished Jan. 31. Class 16.
McDougall-Butler Co., Inc., Buffalo, N. Y. Varnish 410,143. Nov. 7, 1944. Republished Jan. 31. Class 16.
McVitie and Price Limited, Edinburgh, Scotland. Biscuits. 520,455, Jan. 31; Serial No. 563,481, published Oct. 11, 1949. Class 46.
Mead Corporation, The, Dayton, Ohio. Paper and paper board, etc. 443,716, Jan. 31; Serial No. 518,902, published Sept. 20, 1949. Class 37.
Meyer Woolen, Inc., New York, N. Y. Textile fabrics. 520,437, Jan. 31; Serial No. 560,280, published Oct. 11, 1949. Class 42.
Micromatic Hone Corporation, Detroit, Mich. Rotary honing and grinding tools. 267,871–2, renewed Mar. 4, 1950. O. G. Jan. 31. Class 23.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed blank or partially printed labels, gummed paper, and gummed tape. 520,371, Jan. 31; Serial No. 542,400, published Oct. 11, 1949. Class 37.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic regulating and controlling switches. 520,350, Jan. 31; Serial No. 527,813, published Sept. 13, 1949. Class 26.
Minnesota Macaroni Company, St. Paul, Minn. Spaghetti. 520,468, Jan. 31; Serial No. 564,340, published Oct. 18, 1949. Class 46.
Mixermobile Manufacturers, Portland, Oreg. Automotive material handling apparatus. 520,441, Jan. 31; Serial No. 561,326, published Oct. 18, 1949. Class 23.
Motom, G. H.: *See*—
"Afih" Aktiengesellschaft Zur Forderung von Handel & Industrie.
Motordry Company, Glendale, Calif. Liquid waterproofing compound particularly for electrical conductors. 520,527, Jan. 31; Serial No. 542,962. Class 21.
Moto-Sway Corporation of America, South Pasadena, Calif. Radiator flushing compound. 520,380, Jan. 31; Serial No. 548,985, published Oct. 4, 1949. Class 52.
Mountain View Fruit Association, Upland, Calif. Fresh citrus fruits. 520,374, Jan. 31; Serial No. 545,592, published Oct. 4, 1949. Class 46.
Nash Inc., Jersey City, N. J. Billfolds, pocketbooks, purses, and wallets. 520,512, Jan. 31; Serial 574,587, published Sept. 27, 1949. Class 3.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Spray type liquid insecticide. 520,474, Jan. 31; Serial No. 566,830, published Oct. 18, 1949. Class 6.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Spray type liquid insecticide. 520,475, Jan. 31; Serial No. 566,831, published Oct. 4, 1949. Class 6.
National Cylinder Gas Company, Chicago, Ill. Electric arc welders and parts thereof, and electrode holders. 520,378, Jan. 31; Serial No. 548,398, published Nov. 1, 1949. Class 21.
National Steel Company, Chicago, Ill. Iron, steel, and alloy steel; etc. 269,555, renewed Apr. 8, 1950. O. G. Jan. 31. Class 14.
Newberry, J. J., Co., New York, N. Y. Silk, velvet, cotton, etc., ribbons, blankets, sheets, etc. 520,494, Jan. 31; Serial No. 572,318, published Oct. 4, 1949. Class 42.
New York Mills Corp., Oneida County, N. Y., to A. D. Juilliard & Co., Inc., New York, N. Y. Velveteen in the piece. 266,164, renewed Jan. 14, 1950. O. G. Jan. 31. Class 42.
New York Quinine & Chemical Works, Inc., Brooklyn, N. Y. Medicinal and industrial chemicals. 520,481, Jan. 31; Serial No. 569,464, published Oct. 4, 1949. Class 18.
Nierenberg, Harry J.: *See*—
Nierenberg Moses B.
Nierenberg, Moses B., doing business as Dundee Knitting Company by H. J. Nierenberg, doing business as Dundee Knitwear Co., New York, N. Y. Knitwear. 257,218, June 4, 1929. Republished Jan. 31. Class 39.
Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, printed seals and printed decorative tags. 520,531, Jan. 31; Serial No. 562,662. Class 38.
Norvell-Shapleigh Hardware Company to Shapleigh Hardware Company, St. Louis, Mo. Fish lines, fish bait, fishing reels, etc. 76,455, re-renewed Jan. 18, 1950. O. G. Jan. 31. Class 22.
Oak Ridge Manufacturing Company, Charleston, S. C. Fountain pens and mechanical pencils. 520,453, Jan. 31; Serial No. 563,356, published Sept. 13, 1949. Class 37.
Oberman & Company, New York, N. Y. Piece goods. 520,413, Jan. 31; Serial No. 557,462, published Oct. 4, 1949. Class 42.
Ocean Bathing Suit Company, Inc., New York, N. Y. Knitted outerwear and beach wear. 360,316, Sept. 13, 1938. Canceled Dec. 12, 1949. O. G. Jan. 31. Class 39.
Opportunity Publishing Company, Chicago, Ill. Publication. 330,120, Nov. 19, 1935. Republished Jan. 31. Class 38.
Pacific Food Products Co., Seattle, Wash. Table syrup, fruit preserves. 520,342, Jan. 31; Serial No. 515,195, published July 13, 1948. Class 46.
Payot, Dr. N. G., Laboratoires du, Paris, France. Sunburn lotion. 443,712, Jan. 31; Serial No. 506,175, published Oct. 25, 1949. Class 51.
Peppard, J. G., Seed Company, The, to Peppard Seed Company, Kansas City, Mo. Mixed lawn seed, pasture-grass mixtures, and general line of farm and field grass seeds. 266,873, renewed Feb. 4, 1950. O. G. Jan. 31. Class 1.
Peppard Seed Company: *See*—
Peppard, J. G., Seed Company, The.
Pepper, Dr., Company, Dallas, Tex. Coin-controlled vending machines. 520,349, Jan. 31; Serial No. 526,279, published Nov. 1, 1949. Class 23.
Pharmaceutical Products Corporation: *See*—
True, Dr. J. F., & Co., Inc.
Phoenix Trimming Co., Chicago, Ill. Drapes, curtains, portieres, etc. 302,295, Apr. 11, 1933. Republished Jan. 31. Class 42.
Pioneer Rubber Mills, San Francisco, Calif. Rubber and fabric belting, rubber hose, piston packing. 269,651, renewed Apr. 15, 1950. O. G. Jan. 31. Class 35.
Pollack, Max, & Co., Inc., New York, N. Y. Sewing threads. 520,516, Jan. 31; Serial No. 575,224, published Oct. 18, 1949. Class 43.
Pollak, Henry, Inc., New York, N. Y. Hat braids. 520,513, Jan. 31; Serial No. 574,730, published Oct. 25, 1949. Class 40.

Pollard, C. W., Company: *See*—
Pollard, Charles W.
Pollard, Charles W., doing business as C. W. Pollard Company, Chicago, Ill. Venetian blind supporting tape. 520,538. Jan. 31; Serial No. 572,448. Class 40.
Pond's Extract Company, New York, N. Y. Lipsticks. 385,191, Feb. 18, 1941. Republished Jan. 31. Class 51.
Post Produce Company, Edinburg, Tex. Fresh tomatoes. 443,711, Jan. 31; Serial No. 504,787, published Dec. 23, 1947. Class 46.
Pratt, Milan F., Rochester, N. Y. Preparation to correct an acid condition of the stomach. 122,906, Sept. 24, 1918. Canceled Dec. 16, 1949. O. G. Jan. 31. Class 6.
Priestley, B., & Co. Inc., New York, N. Y. Cloths and piece goods. 520,529, Jan. 31; Serial No. 545,892. Class 42.
Princess Products: *See*—
Crystal, Edwina.
Progressive Silk Finishing Company, Hoboken, N. J. Silk piece goods. 262,926, renewed Oct. 29, 1949. O. G. Jan. 31. Class 42.
Purity Cheese Company, Mayville, Wis. Cheese. 520,341, Jan. 31; Serial No. 499,350, published Oct. 18, 1949. Class 46.
Quaker State Oil Refining Corporation, Oil City, Pa. Motor lubricating oils. 409,974, Oct. 31, 1944. Corrected. O. G. Jan. 31. Class 15.
R. F. Products Corporation, Brooklyn, N. Y. Marcel irons, non-electric hair-dye-removing combs, paper-curl pinching irons, etc. 265,375, Dec. 24, 1929. Republished Jan. 31. Class 40.
Radiant Lamp Corporation, Newark, N. J. Incandescent lamps. 520,391, Jan. 31; Serial No. 550,948, published May 24, 1949. Class 21.
Raleigh Cycle Company Limited, The, Nottingham, England. Bicycles and structural parts thereof. 443,717, Jan. 31; Serial No. 519,219, published Oct. 11, 1949. Class 19.
Randolph-Rand Sales Co., Inc., New York, N. Y. Handbag frames. 520,517, Jan. 31; Serial No. 575,488, published Oct. 25, 1949. Class 3.
Redstone, Isaiah, doing business as A. Weinberg, London, England. Cigarettes. 261,652, Sept. 17, 1929. Republished Jan. 31. Class 17.
Rhodes Ranch Egg Company, The, Denver, Colo. Eggs. 266,603, Jan. 28, 1930. Republished Jan. 31. Class 46.
Rich's, Inc., Atlanta, Ga. Men's, women's, and children's boots, shoes, slippers, and sandals. 520,522, Jan. 31; Serial No. 520,245. Class 39.
Rochester Ropes, Inc., Culpeper, Va. Plastic coated ropes, strands, and cords. 520,478, Jan. 31; Serial No. 568,902, published Oct. 4, 1949. Class 7.
Rockwell Laboratories, Incorporated, Kansas City, Mo. Non-saponaceous disinfectant and deodorant preparation. 520,421, Jan. 31; Serial No. 557,692, published Oct. 25, 1949. Class 6.
Roman Meal Company, Tacoma, Wash. Cereal products. 262,911, Oct. 29, 1929. Republished Jan. 31. Class 46.
Rose, Billy, doing business as Billy Rose Candy Co. of N. Y., New York, N. Y. Candy bars. 520,530, Jan. 31; Serial No. 550,172. Class 46.
Rose, Billy, Candy Co. of N. Y.: *See*—
Rose, Billy.
Ru-Ell Novelties: *See*—
Lubash, Maurice.
St. James's Tobacco Company Limited, London, England. Smoking tobacco and cigarettes. 520,402. Jan. 31; Serial No. 553,988, published Oct. 4, 1949. Class 17.
Salada Tea Company, Inc.: *See*—
Sherman Bros. & Co.
Sanford-Oviedo Truck Growers, Inc., Sanford, Fla. Fresh vegetables. 263,611, renewed Nov. 5, 1949. O. G. Jan. 31. Class 46.
Scali, Louis, doing business as Wiltshire Woolen Company, New York, N. Y. Piece goods. 520,495, Jan. 31; Serial No. 572,380, published Oct. 25, 1949. Class 42.
Schneierson, I., & Sons, Inc.: *See*—
Empire Silk Company.
Shuwall, Edward & Co. Inc.
Schoelkopf Co., The, Dallas, Tex. Vehicle seatcovers. 440,249, Aug. 17, 1948. Canceled Dec. 12, 1949. O. G. Jan. 31. Class 19.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Leg make-up applicators. 412,559, Mar. 13, 1945. Canceled Dec. 16, 1949. O. G. Jan. 31. Class 44.
Schwartz & Company: *See*—
Schwartz, Samuel.
Schwartz, Samuel, doing business as Schwartz & Company, Philadelphia, Pa. Bond paper, manifold paper, mimeograph paper, etc. 520,429, Jan. 31; Serial No. 558,599, published Oct. 11, 1949. Class 37.
Sears & Company: *See*—
Twining, E. S., & Co.
Sears, Roebuck and Co., Chicago, Ill. General purposed bleached cotton. 395,648, June 2, 1942. Republished Jan. 31. Class 1.
Seidner, Otto, Inc., Westerly, R. I. Mayonnaise, sandwich spread, salad dressing, etc. 520,407, Jan. 31; Serial No. 555,704, published Oct. 11, 1949. Class 46.
Shapleigh Hardware Company: *See*—
Norvell-Shapleigh Hardware Company.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Veterinary anthelmintic. 520,480, Jan. 31; Serial No. 569,397, published Oct. 4, 1949. Class 18.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Penicillin preparation. 520,485, Jan. 31; Serial No. 569,897, published Oct. 25, 1949. Class 18.
Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and pencils. 265,027, renewed Dec. 10, 1949. O. G. Jan. 31. Class 37.
Sheehy & Cumming, Watsonville, to D'Arrigo Bros. Co. of California, San Jose, Calif. Fresh vegetables. 269,287, renewed Apr. 1, 1950. O. G. Jan. 31. Class 46.
Sheffield Bronze Paint Corporation, The, Cleveland, Ohio. Oil paints; oil enamels; varnishes; and colors. 520,533, Jan. 31; Serial No. 565,143. Class 16.
Sherman Bros. & Co., Chicago, Ill., to Salada Tea Company, Inc., Boston, Mass. Coffee. 76,606, re-renewed Feb. 1, 1950. O. G. Jan. 31. Class 46.
Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Electrical connectors. 520,344, Jan. 31; Serial No. 517,011, published Oct. 25, 1949. Class 21.
Sherwin Williams Company, The, Cleveland, Ohio. Cloth. 520,359, Jan. 31; Serial No. 533,511, published May 24, 1949. Class 42.
Shotwell Mfg. Co., The, Chicago, Ill. Marshmallows. 268,418, Mar. 11, 1930. Amended. O. G. Jan. 31. Class 46.
Shuwall, Edward & Co., Inc., Pottstown, Pa., by I. Schneierson & Sons, Inc., New York, N. Y. Children's wash frocks. 354,574, Feb. 15, 1938. Republished Jan. 31. Class 39.
Shuwall, Edward & Co. Inc., Pottstown, Pa., by I. Schneierson & Sons, Inc., New York, N. Y. Children's wash frocks. 354,657, Feb. 15, 1938. Republished Jan. 31. Class 39.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics of silk, wool, cotton, etc. 520,524, Jan. 31; Serial No. 533,209. Class 42.
Sloan, Earl S., Boston, Mass., to Standard Laboratories, Inc., New York, N. Y. Liniment, horse-liniment, chill, fever, etc., remedy, etc. 76,554, re-renewed Jan. 25, 1950. O. G. Jan. 31. Class 18.
Smallman, I. & Sons, Paterson, N. J., and New York, N. Y. Billfolds, wallets, empty cosmetic kits. 520,404, Jan. 31; Serial No. 554,820, published Oct. 11, 1949. Class 3.
Societe Nouvelle Des Etablissements Gaumont: *See*—
Sté. Des Etablissements Gaumont.
Southern Friction Materials Company, Charlotte, N. C. Ground surfaced, napped, flexible cotton piece goods. 520,463, Jan. 31; Serial No. 563,983, published Oct. 18, 1949. Class 42.
Spalding Brothers, Inc., Ponder, Tex. Anti-freeze. 520,472, Jan. 31; Serial No. 566,181, published Oct. 4, 1949. Class 6.
Standard Brands Incorporated, New York, N. Y. Process cheese food. 520,409, Jan. 31; Serial No. 556,994, published Oct. 18, 1949. Class 46.
Standard Brands Incorporated, New York, N. Y. Dough improver in powdered form. 520,410, Jan. 31; Serial No. 556,995, published Oct. 11, 1949. Class 46.
Standard Fuel Engineering Company, Detroit, Mich. Plastic fire brick. 260,735, renewed Aug. 27, 1949. O. G. Jan. 31. Class 12.
Standard Laboratories, Inc.: *See*—
Sloan, Earl S.
Standard Oil Company of California, San Francisco, Calif., and Wilmington, Del. Refined oils. 520,483, Jan. 31; Serial No. 569,579, published Oct. 18, 1949. Class 6.
Sté. Des Etablissements Gaumont, to Societe Nouvelle Des Etablissements Gaumont, Paris, France. Photographic cameras, moving-picture machines, and films. 72,032, re-renewed Dec. 29, 1948. O. G. Jan. 31. Class 26.
Stier, Joseph B., New York, N. Y. Spoons, forks, knives, etc. 520,422. Jan. 31; Serial No. 557,784, published Oct. 18, 1949. Class 23.
Stork Company, The: *See*—
Sweetser, Arthur L.
Strouse-Baer Company, The: *See*—
Strouse-Baer-Friedman Company, The.
Strouse-Baer-Friedman Company, The, Baltimore, Md., now by change of name The Strouse-Baer Company. Boys' suits, outer and under shirts, blouses, etc. 520,528, Jan. 31; Serial No. 522,481. Class 39.
Sucher, Chas., Packing Co., The, Dayton, Ohio. Meat products. 443,114, July 19, 1949. Republished Jan. 31. Class 46.
Swartzbaugh Manufacturing Company, The, Toledo, Ohio. Domestic electric cookers, roasters, and ranges. 520,457, Jan. 31; Serial No. 563,700, published Oct. 25, 1949. Class 21.
Sweetser, Arthur L., Boston, by The Stork Company, Weymouth, Mass. Antiseptic waterproof sheeting, diapers, and waterproof undergarments. 39,227, Nov. 11, 1902. Republished Jan. 31. Classes 39 and 42.
Swift & Company: *See*—
Eckerson Company.
Handy, H. L., Company.
Swift and Company, to Swift & Company, Chicago, Ill. Canned ham. 266,271, renewed Jan. 14, 1950. O. G. Jan. 31. Class 46.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. 520,348, Jan. 31; Serial No. 525,447, published Oct. 11, 1949. Class 17.
Tecla Corporation: *See*—
Kleinberger, G. D., Inc.

Townserd, Howard R., New Canaan, Conn. Wallets for insurance policies. 520,377, Jan. 31; Serial No. 546,887, published Sept. 27, 1949. Class 3.
Trethaway, Robert C.: *See*—
Haire Publishing Company, The.
Troy Blanket Mills, Troy, N. H. Automobile robes and blankets. 443,727, Jan. 31; Serial No. 513,480. Class 42.
True, Dr. J. F., & Co., Inc., Auburn, Maine, by Pharmaceutical Products Corporation, Natick, Mass. Vermifuge and remedies. 80,092, Nov. 1, 1910. Republished Jan. 31. Class 18.
True, Dr. J. F., & Co., Inc., Auburn, Maine, by Pharmaceutical Products Corporation, Natick, Mass. Vermifuge and remedies. 134,832, Sept. 14, 1920. Republished Jan. 31. Class 18.
Tucker's, Mrs., Foods, Inc., Sherman, Tex. Oleomargarine, sweet cream, condensed skim milk, and vegetable oil shortening. 520,412, Jan. 31; Serial No. 557,400, published Oct. 11, 1949. Class 46.
Twining, E. S., & Co., assignor to Wellington, Sears & Company, to Flightex Fabrics, Inc., New York, N. Y. Men's and boys' football trousers, stockings, sweaters, etc. 268,246, renewed Mar. 11, 1950. O. G. Jan. 31. Class 39.
United States Steel Export Company, New York, N. Y. Sulphate of iron, etc. 412,076, Feb. 20, 1945. Canceled Dec. 19, 1945. O. G. Jan. 31. Class 6.
United States Steel Export Company, New York, N. Y. Sheet steel roofing, etc. 412,077, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31. Class 12.
United States Steel Export Company, New York, N. Y. Ingots, blooms, billets, etc. 412,078, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31. Class 14.
United States Steel Export Company, New York, N. Y. Aerial tramways and ski tows, etc. 412,079, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31. Class 23.
United States Steel Export Company, New York, N. Y. Metal casing, tubing, etc. 412,080, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31. Class 13.
United States Steel Export Company, New York, N. Y. Industrial and other rail cars, etc. 412,081, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31. Class 19.
United States Steel Export Company, New York, N. Y. Metal strand rope and cable. 412,082, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31. Class 7.
United States Steel Export Company, New York, N. Y. Wire and cable. 412,083, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31. Class 21.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. 520,387, Jan. 31; Serial No. 550,867, published Oct. 25, 1949. Class 17.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Smoking tobacco. 520,388, Jan. 31; Serial No. 550,872, published Oct. 25, 1949. Class 17.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Chewing tobacco. 520,389, Jan. 31; Serial No. 550,875, published Oct. 25, 1949. Class 17.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. 520,390, Jan. 31; Serial No. 550,878, published Oct. 25, 1949. Class 17.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap fasteners, snap fastener tape, hooks and eyes, etc. 520,343, Jan. 31; Serial No. 515,922, published Oct. 4, 1949. Class 40.
Wallace & Co., Brooklyn, N. Y. Candles. 520,397, Jan. 31; Serial No. 552,622, published Oct. 11, 1949. Class 46.
Warren Woolen Company, The, Stafford Springs, Conn. Woolen piece goods. 520,492, Jan. 31; Serial No. 572,224, published Oct. 11, 1949. Class 42.
Waverly Growers Cooperative, Waverly, Fla. Fresh citrus fruits. 520,403, Jan. 31; Serial No. 554,181, published Oct. 11, 1949. Class 46.
Weber and Heilbroner, Inc., New York, N. Y. Men's shirts, suits, socks, and hats. 520,364, Jan. 31; Serial No. 534,845, published Oct. 4, 1949. Class 39.
Webster-Chicago Corporation, Chicago, Ill. Electrical apparatus. 520,439, Jan. 31; Serial No. 560,850, published Oct. 4, 1949. Class 21.
Weinberg, Albert: *See*—
Redstone, Isaiah.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. 443,725, Jan. 31; Serial No. 526,110, published Oct. 4, 1949. Class 37.
West Indies Bay Company, Minneapolis, Minn. Bay rum. 520,484, Jan. 31; Serial No. 569,728, published Oct. 25, 1949. Class 51.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Fluid pressure motors. 520,423, Jan. 31; Serial No. 557,805, published Oct. 11, 1949. Class 23.
Whitman Publishing Company: *See*—
Main Toy Company.
Willard Storage Battery Company, Cleveland, Ohio. Storage battery chargers. 520,399, Jan. 31; Serial No. 553,659, published Oct. 25, 1949. Class 21.
Wiltshire Woolen Company: *See*—
Scall, Louis.
Wine Growers Guild: *See*—
California Wine Sales, Inc.
Wrightson, Chas. T., & Sons, Inc., Easton, Md. Canned vegetables. 520,394, Jan. 31; Serial No. 552,198, published Oct. 11, 1949. Class 46.
Zalis, Albert V., Baltimore, Md. Wiping cloths. 520,376, Jan. 31; Serial No. 546,258, published Oct. 25, 1949. Class 42.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cotton, General purposed bleached. Sears, Roebuck and Co. 395,648, June 2, 1942. Republished Jan. 31.
Product from processes of commingling coal and oil, Raw or partly-prepared. The Koppers Company. 265,502, Dec. 31, 1929. Republished Jan. 31.
Seed, Mixed lawn, pasture-grass mixtures, and general line of farm and field grass seeds. The J. G. Peppard Seed Company. 266,873, renewed Feb. 4, 1950. O. G. Jan. 31.
Sponges. M. Levy. 268,034, renewed Mar. 4, 1950. O. G. Jan. 31.

CLASS 2

Dishes, Paper. Indiana Fibre Products Company. 264,719, renewed Dec. 3, 1949. O. G. Jan. 31.
Plates and dishes. Keyes Fibre Company, Inc. 264,917, renewed Dec. 10, 1949. O. G. Jan. 31.

CLASS 3

Billfolds, pocketbooks, purses, and wallets. Nash Inc. 520,512, Jan. 31; Serial No. 574,587, published Sept. 27, 1949.
Billfolds, wallets, empty cosmetic kits. I. Smallman & Sons. 520,404, Jan. 31; Serial No. 554,820, published Oct. 11, 1949.
Cases, Leather and imitation leather. Dabs Creations, Inc. 520,405, Jan. 31; Serial No. 555,251, published Oct. 25, 1949.
Frames, Handbag. Randolph-Rand Sales Co., Inc. 520,517, Jan. 31; Serial No. 575,488, published Oct. 25, 1949.
Handbags. Aetna Leather Novelty Co. 520,411, Jan. 31; Serial No. 557,235, published Oct. 25, 1949.
Hand bags, knitted bags, billfolds, etc. B. Altman & Co. 520,486, Jan. 31; Serial No. 570,152, published Oct. 11, 1949.
Handbags, Ladies'. B. Altman & Co. 520,511, Jan. 31; Serial No. 574,562, published Sept. 27, 1949.
Handbags, Ladies' and children's. Liberty Bags, Inc. 520,508, Jan. 31; Serial No. 573,956, published Sept. 27, 1949.
Handbags, purses, pocketbooks, etc. G. D. Kleinberger, Inc. 520,434, Jan. 31; Serial No. 559,929, published Jan. 25, 1949.
Portfolios. Fran-Stef Manufacturing Company. 520,507, Jan. 31; Serial No. 573,761, published Sept. 27, 1949.
Purses, wallets, combination wallets and purses, etc., Women's. Bernard Cahn Co., Inc. 520,518, Jan. 31; Serial No. 575,696, published Oct. 25, 1949.
Wallets for insurance policies. H. R. Townsend. 520,377, Jan. 31; Serial No. 546,887, published Sept. 27, 1949.

CLASS 6

Anti-freeze. Spalding Brothers, Inc. 520,472, Jan. 31; Serial No. 566,181, published Oct. 4, 1949.
Calcium carbonate, Precipitated. Diamond Alkali Company. 520,444, Jan. 31; Serial No. 561,899, published Oct. 25, 1949.
Chemical preparations. Diamond Alkali Company. 443,396, Sept. 27, 1949. O. G. Jan. 31.
Chemical preparations. Diamond Alkali Company. 443,478, Oct. 25, 1949. Republished Jan. 31.
Chemical product. I. G. Farbenindustrie Aktiengesellschaft, 267,893, renewed Mar. 4, 1950. O. G. Jan. 31.
Disinfectant and deodorant preparation, Non-saponaceous. Rockwell Laboratories, Incorporated. 520,421, Jan. 31; Serial No. 557,692, published Oct. 25, 1949.
Ethyl chloride, phenyl mercuric chloride and tannic acid. The Gebauer Chemical Company. 520,476, Jan. 31; Serial No. 567,692, published Oct. 4, 1949.
Insecticide, Spray type liquid. Nash & Kinsella Laboratories, Inc. 520,474, Jan. 31; Serial No. 566,830, published Oct. 18, 1949.
Insecticide, Spray type liquid. Nash & Kinsella Laboratories, Inc. 520,475, Jan. 31; Serial No. 566,831, published Oct. 4, 1949.

Preparation to correct an acid condition of the stomach. M. F. Pratt. 122,906, Sept. 24, 1918. Canceled Dec. 16, 1949. O. G. Jan. 31.
Product used for sizing artificial silk. General Dyestuff Corporation. 267,888, renewed Mar. 4, 1950. O. G. Jan. 31.
Refined oils. Standard Oil Company of California. 520,483, Jan. 31; Serial No. 569,579, published Oct. 18, 1949.
Sulphate of iron; etc. United States Steel Export Company. 412,076, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.

CLASS 7

Rope and cable, Metal strand. United States Steel Export Company. 412,082, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.
Ropes, strands, and cords, Plastic coated. Rochester Ropes, Inc. 520,478, Jan. 31; Serial No. 568,902, published Oct. 4, 1949.
Sash cord, clothesline, and twines. The Friedstrass Company. 520,515, Jan. 31; Serial No. 575,138, published Oct. 18, 1949.
Twine. International Harvester Company. 520,496, Jan. 31; Serial No. 572,848, published Oct. 25, 1949.

CLASS 9

Pistols. Colt's Patent Fire Arms Manufacturing Co. 260,616, renewed Aug. 27, 1949. O. G. Jan. 31.

CLASS 12

Fire brick, Plastic. Standard Fuel Engineering Company. 260,735, renewed Aug. 27, 1949. O. G. Jan. 31.
Heat-insulating material. Lava Crucible Company of Pittsburgh. 266,823, renewed Feb. 4, 1950. O. G. Jan. 31.
Roofing, Sheet steel, etc. United States Steel Export Company. 412,077, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.

CLASS 13

Casing, tubing, Metal, etc. United States Steel Export Company. 412,080, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.

CLASS 14

Ingots; blooms; billets; etc. United States Steel Export Company. 412,078, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.
Iron, steel, and alloy steel; etc. National Steel Company. 269,555, renewed Apr. 8, 1950. O. G. Jan. 31.

CLASS 15

Oils, Motor lubricating. Quaker State Oil Refining Corporation. 409,974, Oct. 31, 1944. Corrected. O. G. Jan. 31.

CLASS 16

Chemical compositions primarily composed of synthetic rubber, etc. Gates Engineering Company. 443,714, Jan. 31; Serial No. 515,169, published Aug. 10, 1948.
Enamel, Paint. McDougall-Butler Co., Inc. 149,440, Dec. 13, 1921. Republished Jan. 31.
Oil paints; oil enamels; varnishes; and colors. The Sheffield Bronze Paint Corporation. 520,533, Jan. 31; Serial No. 565,143.
Paint, Enamel. McDougall-Butler Co., Inc. 207,905, Jan. 12, 1926. Republished Jan. 31.
Paint, Flat-finish. The A. Burdsal Company. 77,017, re-renewed Mar. 1, 1950. O. G. Jan. 31.
Paint, House. Dozier & Gay Paint Company. 520,363, Jan. 31; Serial No. 534,518, published Dec. 14, 1948.
Paint, Paste white. McDougall-Butler Co., Inc. 232,835, Sept. 20, 1927. Republished Jan. 31.
Paints, Dry, paste, and ready-mixed. McDougall-Butler Co., Inc. 200,726, July 7, 1925. Republished Jan. 31.
Paints, Ready-mixed and paste, varnishes, and paint enamels. McDougall-Butler Co., Inc. 382,416, Oct. 29, 1940. Republished Jan. 31.
Shellac and varnishes, Prepared, lacquers, paint enamels, flat paints, etc. Camel Lead Color & Chemical Products Mfg. Corp. 260,465, Aug. 27, 1929. Republished Jan. 31.
Varnish. McDougall-Butler Co., Inc. 149,439, Dec. 13, 1921. Republished Jan. 31.
Varnish. McDougall-Butler Co., Inc. 410,143, Nov. 7, 1944. Republished Jan. 31.

CLASS 17

Cigarettes. I. Redstone. 261,652, Sept. 17, 1929. Republished Jan. 31.
Cigarettes, smoking tobacco, chewing tobacco, and snuff. Brown & Williamson Tobacco Corporation. 520,428. Jan. 31; Serial No. 558,456, published Oct. 25, 1949.
Cigars. Gradiaz, Annis & Co., Inc. 520,370, Jan. 31; Serial No. 542,120, published Oct. 1, 1949.
Cigars, cigarettes, and cheroots. Emil D. Klein Co., Inc. 520,353, Jan. 31; Serial No. 529,776, published July 27, 1948.
Cigars, cigarettes and smoking tobacco. Benson & Hedges. 520,355, Jan. 31; Serial No. 530,800, published Mar. 8, 1949.
Snuff. United States Tobacco Company. 520,387, Jan. 31; Serial No. 550,867, published Oct. 25, 1949.
Snuff. United States Tobacco Company. 520,390, Jan. 31; Serial No. 550,878, published Oct. 25, 1949.
Tobacco, Chewing. United States Tobacco Company. 520,389, Jan. 31; Serial No. 550,875, published Oct. 25, 1949.
Tobacco, Plug, twist, and smoking. Taylor Brothers, Inc. 520,348, Jan. 31; Serial No. 525,447, published Oct. 11, 1949.
Tobacco, Smoking. United States Tobacco Company. 520,388, Jan. 31; Serial No. 550,872, published Oct. 25, 1949.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 520,420, Jan. 31; Serial No. 557,588, published Oct. 11, 1949.
Tobacco, Smoking, and cigarettes. St. James's Tobacco Company Limited. 520,402, Jan. 31; Serial No. 553,988, published Oct. 4, 1949.

CLASS 18

Drug. Abbott Laboratories. 520,375, Jan. 31; Serial No. 545,929, published Oct. 18, 1949.
Liniment, horse-liniment, chill, fever, etc., remedy, etc. E. S. Sloan. 76,554, re-renewed Jan. 25, 1950. O. G. Jan. 31.
Medical compounds. Fries Bros. 34,163, re-renewed Feb. 6, 1950. O. G. Jan. 31.
Medicinal and industrial chemicals. New York Quinine & Chemical Works, Inc. 520,481, Jan. 31; Serial No. 569,464, published Oct. 4, 1949.
Penicillin preparation. Sharp & Dohme, Incorporated. 520,485, Jan. 31; Serial No. 569,897, published Oct. 25, 1949.
Preparation for use in the treatment of skin diseases. Central Pharmacy, Inc. 267,571, renewed Feb. 25, 1950. O. G. Jan. 31.
Vermifuge and remedies. Dr. J. F. True & Co., Inc. 80,092, Nov. 1, 1910. Republished Jan. 31.
Vermifuge and remedies. Dr. J. F. True & Co., Inc. 134,832, Sept. 14, 1920. Republished Jan. 31.
Veterinary anthelmintic. Sharp & Dohme, Incorporated. 520,480, Jan. 31; Serial No. 569,397, published Oct. 4, 1949.

CLASS 19

Accessories for bicycles and motorcycles. Magnetos Lucifer Societe Anonyme. 520,440, Jan. 31; Serial No. 561,320, published Oct. 11, 1949.
Bicycles, and structural parts therefor. The Huffman Manufacturing Company. 348,373, July 27, 1937. Republished Jan. 31.
Bicycles and structural parts therefor. The Huffman Manufacturing Company. 440,223, Aug. 17, 1948. Republished Jan. 31.
Bicycles and structural parts thereof. The Raleigh Cycle Company Limited. 443,717, Jan. 31; Serial No. 519,219, published Oct. 11, 1949.
Caps of automobile radiators, Filler. Chase Brass & Copper Co., Incorporated. 269,276, renewed Apr. 1, 1950. O. G. Jan. 31.
Cars, Industrial and other rail, etc. United States Steel Export Company. 412,081, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.
Head lamps, Automobile. P. W. Hainke. 520,471, Jan. 31; Serial No. 565,487, published Oct. 11, 1949.
Seatcovers, Vehicle. The Schoelkopf Co. 440,249, Aug. 17, 1948. Canceled Dec. 12, 1949. O. G. Jan. 31.
Vehicles. "Afih" Aktiengesellschaft Zur Förderung von Handel & Industrie. 443,723, Jan. 31; Serial No. 521,712, published Oct. 18, 1949.

CLASS 20

Rugs and floor covering, Felt-base. Congoleum-Nairn Inc. 269,684–6, renewed Apr. 15, 1950. O. G. Jan. 31.

CLASS 21

Chargers, Storage battery. Willard Storage Battery Company. 520,399, Jan. 31; Serial No. 553,659, published Oct. 25, 1949.
Connectors, Electrical. H. B. Sherman Manufacturing Company. 520,344, Jan. 31; Serial No. 517,011, published Oct. 25, 1949.
Control panels and boxes, Electrical switch and fuse. BullDog Electric Products Company. 520,379, Jan. 31; Serial No. 548,923, published Nov. 1, 1949.
Cookers, roasters and ranges, Domestic electric. The Swartzbaugh Manufacturing Company. 520,457, Jan. 31; Serial No. 563,700, published Oct. 25, 1949.
Disposers, Waste food. Eureka Williams Corporation. 520,352, Jan. 31; Serial No. 529,616, published Feb. 22, 1949.
Electrical apparatus. McDonald Manufacturing Company. 520,385, Jan. 31; Serial No. 549,820, published Oct. 25, 1949.
Electrical apparatus. Webster-Chicago Corporation. 520,439, Jan. 31; Serial No. 560,850, published Oct. 4, 1949.
Grinders, Portable electric, portable electric reamers, etc. The Black & Decker Manufacturing Company. 520,354, Jan. 31; Serial No. 530,460, published Nov. 1, 1949.

Intercommunication apparatus, Telephonic. Airlectron Co. 520,424, Jan. 31; Serial No. 557,815, published Oct. 25, 1949.
Lamps, Incandescent. Radiant Lamp Corporation. 520,391, Jan. 31; Serial No. 550,948, published May 24, 1949.
Waterproofing compound particularly for electrical conductors, Liquid. Motordry Company. 520,527, Jan. 31; Serial No. 542,962.
Welders and parts thereof, Electric arc, and electrode holders. National Cylinder Gas Company. 520,378, Jan. 31; Serial No. 548,398, published Nov. 1, 1949.
Wire and cable. United States Steel Export Company. 412,083, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.
Wires and cables, Insulated electrical. General Cable Corporation. 261,802, Sept. 24, 1929. Republished Jan. 31.

CLASS 22

Fish lines, fish bait, fishing reels, etc. Norvell-Shapleigh Hardware Company. 76,455, re-renewed Jan. 18, 1950. O. G. Jan. 31.
Toy building blocks. Main Toy Company. 268,283, renewed Mar. 11, 1950. O. G. Jan. 31.
Toy pistol holsters, etc. Felder Bros. 297,478, Sept. 13, 1932. Canceled Dec. 16, 1949. O. G. Jan. 31.

CLASS 23

Handling apparatus, Automotive material. Mixermobile Manufacturers. 520,441, Jan. 31; Serial No. 561,326, published Oct. 18, 1949.
Hatchets, hammers, crate openers, etc. Markwell Mfg. Co., Inc. 265,481, renewed Dec. 31, 1949. O. G. Jan. 31.
Lawnmowers. The Cussins and Fearn Company. 520,393, Jan. 31; Serial No. 551,613, published Oct. 11, 1949.
Motors, Fluid pressure. The Westinghouse Air Brake Company. 520,423, Jan. 31; Serial No. 557,605, published Oct. 11, 1949.
Muffler supports, Automobile; and exhaust deflectors. Doan Manufacturing Corp. 520,384, Jan. 31; Serial No. 549,521, published Oct. 25, 1949.
Pumps, Diaphragm. Ralph B. Carter Company. 158,199, Aug. 29, 1922. Republished Jan. 31.
Rubber-working machines. The Black Rock Mfg. Co. 265,983, renewed Jan. 7, 1950. O. G. Jan. 31.
Spoons, forks, knives, etc. J. B. Stier. 520,422, Jan. 31; Serial No. 557,784, published Oct. 18, 1949.
Stapling machines. Markwell Manufacturing Company, Inc. 520,432, Jan. 31; Serial No. 559,721, published Oct. 11, 1949.
Tools, Rotary honing and grinding. Micromatic Hone Corporation. 267,871–2, renewed Mar. 4, 1950. O. G. Jan. 31.
Tramways, Aerial, and ski tows; etc. United States Steel Export Company. 412,079, Feb. 20, 1945. Canceled Dec. 19, 1949. O. G. Jan. 31.
Vending machines, Coin-controlled. Dr. Pepper Company. 520,349, Jan. 31; Serial No. 526,279, published Nov. 1, 1949.

CLASS 26

Actuating apparatus, Electronic flashlight bulb. Heiland Research Corporation. 443,722, Jan. 31; Serial No. 521,012, published Sept. 13, 1949.
Camera attachments and accessories. The Kalart Company Inc. 520,340, Jan. 31; Serial No. 482,327, published Sept. 20, 1949.
Cameras, Photographic, moving-picture machines, and films. Sté. Des Etablissements Gaumont. 72,032, renewed Dec. 29, 1948. O. G. Jan. 31.
Meters, Positive displacement, and positive displacement metering systems. Bowser, Inc. 443,715, Jan. 31; Serial No. 515,219, published Sept. 20, 1949.
Models of buildings, Architectural. W. S. Davis. 443,720, Jan. 31; Serial No. 519,736, published Sept. 20, 1949.
Models, Precision and scientifically made. Cornell Research Foundation, Inc. 443,721, Jan. 31; Serial No. 520,148, published Sept. 27, 1949.
Photographic equipment, and optical equipment. Federal Manufacturing & Engineering Corp. 520,358, Jan. 31; Serial No. 533,153, published Apr. 12, 1949.
Photographic material, Light-sensitive. General Aniline & Film Corporation. 520,362, Jan. 31; Serial No. 534,432, published Aug. 16, 1949.
Projectors, Motion picture, and related photo-electric cells, amplifiers, and loudspeakers. Empire Projector Corp. 520,347, Jan. 31; Serial No. 523,573, published Sept. 20, 1949.
Switches, Thermostatic regulating and controlling. Minneapolis-Honeywell Regulator Company. 520,350, Jan. 31; Serial No. 527,813, published Sept. 13, 1949.
Test apparatus, Electric. The Heath Company. 520,346, Jan. 31; Serial No. 520,947, published Sept. 20, 1949.

CLASS 31

Refrigerators, Electric. Liberty Electric Supply Company. 385,886, Mar. 18, 1941. Republished Jan. 31.

CLASS 32

Furniture. Kroehler Manufacturing Company. 275,549, Sept. 23, 1930. Republished Jan. 31.

CLASS 35

Belting, Rubber and fabric, rubber hose, piston packing. Pioneer Rubber Mills. 260,651, renewed Apr. 15, 1950. O. G. Jan. 31.
Packing and packing material. The Garlock Packing Company. 265,848, renewed Jan. 7, 1950. O. G. Jan. 31.

CLASS 37

Booklets, Manifold, and blank manifold forms. Arkansas Printing and Lithographing Company. 520,465, Jan. 31; Serial No. 564,092, published Oct. 25, 1949.
Boxboard, paper board, and cardboard. Robert Gair Company, Inc. 520,373, Jan. 31; Serial No. 544,992, published Sept. 20, 1949.
Budget plan. R. W. Kuhlman. 520,443, Jan. 31; Serial No. 561,836, published Sept. 27, 1949.
Cellophane, Plain transparent, moisture-proof cellophane and wrinkled moisture-proof cellophane. Dusel-Wallace and Company. 520,367, Jan. 31; Serial No. 540,800, published Oct. 25, 1949.
Correction fluid; filing wrappers; interleaving blotters and separators; etc. A. B. Dick Company. 520,430, Jan. 31; Serial No. 559,585, published Sept. 20, 1949.
Covering, Paper vegetable row. Kalamazoo Vegetable Parchment Co. 520,450, Jan. 31; Serial No. 563,192, published Oct. 4, 1949.
Files, Card index, card holders, and card boxes. M. den Outer. 443,724, Jan. 31; Serial No. 524,412, published Oct. 11, 1949.
Labels, Gummed blank or partially printed, gummed paper, and gummed tape. Mid-States Gummed Paper Co. 520,371, Jan. 31; Serial No. 542,400, published Oct. 11, 1949.
Napkins, Paper. Crown Zellerbach Corporation. 520,381, Jan. 31; Serial No. 549,124, published Oct. 4, 1949.
Paper and paperboard. Gaylord Container Corporation. 520,469, Jan. 31; Serial No. 564,564, published Oct. 25, 1949.
Paper and paper board, etc. The Mead Corporation. 443,716, Jan. 31; Serial No. 518,902, published Sept. 20, 1949.
Paper, Bond. The Chatfield Paper Corporation. 520,534, Jan. 31; Serial No. 567,344.
Paper, Bond, manifold paper, mimeograph paper, etc. S. Schwartz. 520,429, Jan. 31; Serial No. 558,599, published Oct. 11, 1949.
Paper, High gloss coated shelf. Kalamazoo Vegetable Parchment Co. 520,451, Jan. 31; Serial No. 563,193, published Sept. 27, 1949.
Paper, Loose writing. Western Tablet & Stationery Corporation. 443,725, Jan. 31; Serial No. 526,110, published Oct. 4, 1949.
Paper, Toilet, and paper facial tissues. Gotham Tissue Corporation. 267,105, Feb. 11, 1930. Republished Jan. 31.
Paper, Toilet, and paper facial tissues. Gotham Tissue Corporation. 267,111, Feb. 11, 1930. Republished Jan. 31.
Paper, Translucent typing, writing, and printing. General Aniline & Film Corporation. 520,426–7, Jan. 31; Serial Nos. 558,294–5, published Oct. 11, 1949.
Paper, Writing and printing. Brooks Bank Note Company. 520,395, Jan. 31; Serial No. 552,336, published Oct. 11, 1949.
Paper, Writing and printing. Hurlbut Paper Company. 520,372, Jan. 31; Serial No. 543,355, published Oct. 18, 1949.
Papers, Printing and converting. Fitchburg Paper Company. 520,458, Jan. 31; Serial No. 563,733, published Oct. 4, 1949.
Pencils, Mechanical. Eberhard Faber Pencil Company. 520,366, Jan. 31; Serial No. 538,260, published Oct. 11, 1949.
Pencils, Wood-encased. L. & C. Hardtmuth, Inc. 520,361, Jan. 31; Serial No. 534,119, published Oct. 25, 1949.
Pens, Ball point fountain. The Conklin Pen Company, Inc. 520,425, Jan. 31; Serial No. 558,282, published Oct. 4, 1949.
Pens, Fountain, and mechanical pencils. Oak Ridge Manufacturing Company. 520,453, Jan. 31; Serial No. 563,356, published Sept. 13, 1949.
Pens, Fountain, and pencils. W. A. Sheaffer Pen Company. 265,027, renewed Dec. 10, 1949. O. G. Jan. 31.
Wall-papers. Manufacture de Papiers Peints I. Leroy (Societe Anonyme). 520,459, Jan. 31; Serial No. 563,859, published Oct. 11, 1949.
Wash cloths, Paper. Kalamazoo Vegetable Parchment Co. 520,449, Jan. 31; Serial No. 563,189, published Oct. 4, 1949.

CLASS 38

Cards, Greeting, printed greeting folders, printed seals and printed decorative tags. Norcross, Inc. 520,531, Jan. 31; Serial No. 562,662.
Magazine, Monthly. The Haire Publishing Company. 261,505, Sept. 17, 1929. Republished Jan. 31.
Magazines. The American Institute of Chemists, Inc. 257,320, June 4, 1929. Republished Jan. 31.
Newspaper section, feature or department. The Hearst Corporation. 520,537, Jan. 31; Serial No. 571,213.

Publication. Opportunity Publishing Company. 330,120, Nov. 19, 1935. Republished Jan. 31.
Strips of humorous drawings. The Bell Syndicate, Inc. 268,332, renewed Mar. 11, 1950. O. G. Jan. 31.

CLASS 39

Boots, shoes, slippers, and sandals, Men's, women's, and children's. Rich's, Inc. 520,522, Jan. 31; Serial No. 520,245.
Caps, Bathing. I. B. Kleinert Rubber Company. 520,521, Jan. 31; Serial No. 514,478.
Dresses and jumpers, Ladies' and misses'. Mayflower Dress Co., Inc. 520,532, Jan. 31; Serial No. 564,262.
Dresses, Juniors', misses', ladies', etc. Kline Brothers Co. 262,995, renewed Oct. 29, 1949. O. G. Jan. 31.
Frocks, Children's wash. Edward Shuwall & Co., Inc. 354,574, Feb. 15, 1938. Republished Jan. 31.
Frocks, Children's wash. Edward Shuwall & Co. Inc. 354,657, Feb. 15, 1938. Republished Jan. 31.
Garments, Foundation, panties, corsets, etc. California Foundations, Inc. 520,536, Jan. 31; Serial No. 570,821.
Gloves and mittens. Fairfield Glove and Mitten Company. 381,791, Oct. 8, 1940. Republished Jan. 31.
Hats, outer shirts, neckties, Men's, etc. Briggs, Inc. 443,726, Jan. 31; Serial No. 490,736.
Heels and soles, Rubber. The Hoitite Manufacturing Company. 264,543, renewed Nov. 26, 1949. O. G. Jan. 31.
Hosiery. A. B. Andrews Company. 75,148, Sept. 7, 1909. Republished Jan. 31.
Hosiery, Boys'. The J. L. Hudson Company. 268,454, renewed Mar. 18, 1950. O. G. Jan. 31.
Hosiery, etc., Men's, women's, and children's. Bach & Peterfriend. 427,776, Feb. 18, 1947. New certificate. O. G. Jan. 31.
Hosiery, Men's, women's, and children's. James A. Hearn & Son, Inc. 263,390, renewed Nov. 5, 1949. O. G. Jan. 31.
Hosiery, shoes. The Hecht Co. 376,715, Apr. 2, 1940. Restricted. O. G. Jan. 31.
Knitwear. M. B. Nierenberg. 257,218, June 4, 1929. Republished Jan. 31.
Outerwear and beach wear, Knitted. Ocean Bathing Suit Company, Inc. 360,316, Sept. 13, 1938. Canceled Dec. 12, 1949. O. G. Jan. 31.
Overalls and trousers. Liberty Overall Co. 261,696, Sept. 24, 1929. Republished Jan. 31.
Sheeting, diapers, and waterproof undergarments, Antiseptic waterproof. A. L. Sweetser. 39,227, Nov. 11, 1902. Republished Jan. 31.
Shirts, suits, socks, and hats, Men's. Weber and Heilbroner, Inc. 520,364, Jan. 31; Serial No. 534,845, published Oct. 4, 1949.
Sportswear, Men's, women's, and children's. David D. Doniger & Co. 335,459, June 2, 1936. Corrected. O. G. Jan. 31.
Suits, outer and under shirts, blouses, Boys', etc. The Strouse-Baer-Friedman Company. 520,523, Jan. 31; Serial No. 522,481.
Trousers, stockings, sweaters; etc., Men's and boys' football. E. S. Twining & Co. 268,246, renewed Mar. 11, 1950. O. G. Jan. 31.

CLASS 40

Braids, Elastic, narrow elastic webs, non-elastic narrow fabrics. Continental Elastic Corporation. 520,401, Jan. 31; Serial No. 553,819, published Oct. 4, 1949.
Braids, Hat. Henry Pollak, Inc. 520,513, Jan. 31; Serial No. 574,730, published Oct. 25, 1949.
Closures and fasteners, crochet hooks, etc. Koh-I-Noor, Spojene Kovoprumyslove Zavody, Narodni Podnik. 520,487–8, Jan. 31; Serial Nos. 571,146–7, published Sept. 27, 1949.
Fasteners, Dress. Columbia Fastener Company. 520,447, Jan. 31; Serial No. 562,542, published Oct. 4, 1949.
Fasteners, Snap, snap fastener tape, hooks and eyes, etc. Waldes Koh-I-Noor, Inc. 520,343, Jan. 31; Serial No. 515,922, published Oct. 4, 1949.
Marcel irons, non-electric hair-dye-removing combs, paper-curl pinching irons, etc. R. F. Products Corporation. 265,375, Dec. 24, 1929. Republished Jan. 31.
Pads, Bust. M. Lubash. 520,392, Jan. 31; Serial No. 551,894, published Oct. 11, 1949.
Pads, Shoulder. Acme Shoulder Pad Co. Incorporated. 520,528, Jan. 31; Serial No. 544,958.
Tape, Venetian blind supporting. C. W. Pollard. 520,538, Jan. 31; Serial No. 572,448.

CLASS 41

Frames, Umbrella. American Folding Umbrella Co. 520,514, Jan. 31; Serial No. 575,115, published Oct. 18, 1949.

CLASS 42

Cloth. The Sherwin Williams Company. 520,359, Jan. 31; Serial No. 533,511, published May 24, 1949.
Cloths and piece goods. B. Priestley & Co., Inc. 520,529, Jan. 31; Serial No. 545,892.
Cloths, Wiping. A. V. Zallis. 520,376, Jan. 31; Serial No. 546,258, published Oct. 25, 1949.
Curtains, Window. House Beautiful Curtains, Inc. 443,710, Jan. 31; Serial No. 504,767, published Feb. 10, 1948.
Drapes, curtains, portieres, etc. Phoenix Trimming Co. 302,295, Apr. 11, 1933. Republished Jan. 31.
Fabrics. A. D. Juilliard & Co., Inc. 265,532, renewed Dec. 31, 1949. O. G. Jan. 31.
Fabrics in the piece. Crompton Company. 520,489, Jan. 31; Serial No. 571,603, published Oct. 4, 1949.
Fabrics in the piece, All-worsted and all-woolen dress and coating. The Atlantic Mills. 265,909, renewed Jan. 7, 1950. O. G. Jan. 31.
Fabrics in the piece, All-worsted and all-woolen dress and coating. The Atlantic Mills. 267,477, renewed Feb. 18, 1950. O. G. Jan. 31.
Fabrics in the piece, Textile. Concordia-Gallia Corporation. 520,525–6, Jan. 31; Serial Nos. 542,093–4.
Fabrics of silk, wool, cotton, etc. William Skinner & Sons. 520,524, Jan. 31; Serial No. 533,209.
Fabrics, Textile. Berkshire Fine Spinning Associates, Inc. 520,456, Jan. 31; Serial No. 563,582, published Oct. 4, 1949.
Fabrics, Textile. Meyer Woolen, Inc. 520,437, Jan. 31; Serial No. 560,280, published Oct. 11, 1949.
Goods in the piece, Woolen. Harry D. Cooper & Co., Inc. 443,713, Jan. 31; Serial No. 511,266, published Oct. 4, 1949.
Piece goods. J. H. Binns and Company Limited. 520,491, Jan. 31; Serial No. 571,676, published Oct. 11, 1949.
Piece goods. Burlington Mills Corporation. 520,398, Jan. 31; Serial No. 553,450, published Apr. 19, 1949.
Piece goods. Cohn-Hall-Marx Co. 443,709, Jan. 31; Serial No. 470,939, published Aug. 24, 1948.
Piece goods. Oberman & Company. 520,413, Jan. 31; Serial No. 557,462, published Oct. 4, 1949.
Piece goods. Louis Scall. 520,495, Jan. 31; Serial No. 572,380, published Oct. 25, 1949.
Piece goods, bedspreads, draperies, etc. Burlington Mills Corporation. 520,868, Jan. 31; Serial No. 541,077, published Jan. 18, 1949.
Piece goods, bedspreads, draperies, etc. Burlington Mills Corporation. 520,869, Jan. 31; Serial No. 541,081, published Jan. 18, 1949.
Piece goods, Cotton. Dan River Mills, Incorporated. 520,490, Jan. 31; Serial No. 571,606, published Oct. 4, 1949.
Piece goods, etc., Cotton. Dekotah Cotton Mills, Inc. 300,791, Feb. 7, 1933. Canceled Dec. 12, 1949. O. G. Jan. 31.
Piece goods, Ground surfaced, napped, flexible cotton. Southern Friction Materials Company. 520,463, Jan. 31; Serial No. 563,983, published Oct. 18, 1949.
Piece goods, Handloomed woolen. Holiday Fabrics, Inc. 520,505, Jan. 31; Serial No. 573,247, published Oct. 25, 1949.
Piece goods, Silk. Empire Silk Company. 127,823, Dec. 9, 1919. Republished Jan. 31.
Piece goods, Silk. Progressive Silk Finishing Company. 262,926, renewed Oct. 29, 1949. O. G. Jan. 31.
Piece goods, Treated. Joseph Bancroft & Sons Co. 520,389, Jan. 31; Serial No. 471,112, published Oct. 18, 1949.
Piece goods, Wool. Cluett, Peabody & Co., Inc. 520,493, Jan. 31; Serial No. 572,240, published Oct. 11, 1949.
Piece goods, Woolen. Forstmann Woolen Co. 520,498–502, Jan. 31; Serial Nos. 573,235–9, published Oct. 25, 1949.
Piece goods, Woolen. Forstmann Woolen Co. 520,503–4, Jan. 31; Serial Nos. 573,241–2, published Oct. 25, 1949.
Piece goods, Woolen. The Warren Woolen Company. 520,492, Jan. 31; Serial No. 572,224, published Oct. 11, 1949.
Robes and blankets, Automobile. Troy Blanket Mills. 443,727, Jan. 31; Serial No. 513,480.
Rugs and carpets, Textile. A. & M. Karagheusian, Inc. 268,580–1, renewed Mar. 18, 1950. O. G. Jan. 31.
Rugs, Textile. Marshall Field & Company. 520,497, Jan. 31; Serial No. 572,854, published Oct. 25, 1949.
Sheeting, diapers, and waterproof undergarments, Antiseptic waterproof. A. L. Sweetser. 39,227, Nov. 11, 1902. Republished Jan. 31.
Sheeting, Textile. Infant Items, Incorporated. 520,351, Jan. 31; Serial No. 528,866, published Oct. 25, 1949.
Silk, velvet, cotton, etc., ribbons, blankets, sheets, etc. J. J. Newberry Co. 520,494, Jan. 31; Serial No. 572,318, published Oct. 4, 1949.
Ticks, Pillow. Levinshon Textile Co. 520,442, Jan. 31; Serial No. 561,755, published Oct. 18, 1949.
Towels, wash cloths, blankets, etc. Kannapolis Manufacturing Company, Inc. 520,357, Jan. 31; Serial No. 532,137, published Oct. 25, 1949.
Velveteen in the piece. New York Mills Corp. 266,164, renewed Jan. 14, 1950. O. G. Jan. 31.

CLASS 43

Thread, Silk sewing, mending, and darning. The Heminway & Bartlett Mfg. Co. 520,506, Jan. 31; Serial No. 573,322, published Sept. 27, 1949.
Threads, Sewing. Max Pollack & Co., Inc. 520,516, Jan. 31; Serial No. 575,224, published Oct. 18, 1949.
Yarn, Woolen knitting. Marshall Field & Company. 520,509, Jan. 31; Serial No. 573,958, published Sept. 27, 1949.
Yarns. American Continental Corporation. 520,464, Jan. 31; Serial No. 564,073, published Oct. 25, 1949.

Yarns and thread, Synthetic. Imperial Chemical Industries, Limited. 520,477, Jan. 31; Serial No. 568,257, published Sept. 27, 1949.
Yarns, Textile. The Duplan Corporation. 520,510, Jan. 31; Serial No. 574,498, published Sept. 27, 1949.

CLASS 44

Applicators, Leg make-up. The Scholl Mfg. Co., Inc. 412,559, Mar. 13, 1945. Canceled Dec. 16, 1949. O. G. Jan. 31.
Bottles, Medicine dropper, medicine droppers, and medicine feeding tubes and cups, etc. Armstrong Cork Company. 520,382, Jan. 31; Serial No. 549,220, published Oct. 18, 1949.
Medical and surgical plasters. Johnson & Johnson. 54,308, June 26, 1906. Republished Jan. 31.

CLASS 46

Biscuits. McVitie and Price Limited. 520,455, Jan. 31; Serial No. 563,481, published Oct. 11, 1949.
Bread. General Baking Company. 370,780, Sept. 5, 1939. Republished Jan. 31.
Cake, pastry, biscuits, cookies, etc. General Baking Company. 159,357, Sept. 26, 1922. Republished Jan. 31.
Camembert cheese. Kraft Foods Company. 520,452, Jan. 31; Serial No. 563,198, published Oct. 11, 1949.
Candies. Wallace & Co. 520,397, Jan. 31; Serial No. 552,622, published Oct. 11, 1949.
Candy. Candy Artists, Inc. 520,448, Jan. 31; Serial No. 563,056, published Oct. 4, 1949.
Candy. Consolidated Tea Company, Inc. 277,875, Dec. 2, 1930. Republished Jan. 31.
Candy. M. J. Holloway & Co. 520,470, Jan. 31; Serial No. 564,569, published Oct. 18, 1949.
Candy bars. B. Rose. 520,530, Jan. 31; Serial No. 550,172.
Canned beans. The Illinois Canning Co. 520,436, Jan. 31; Serial No. 560,204, published Oct. 11, 1949.
Canned fish. The French Sardine Company of California. 268,963, renewed Mar. 25, 1950. O. G. Jan. 31.
Canned fruits and vegetables. M. Epstein & Company. 258,488, July 9, 1929. Republished Jan. 31.
Canned ham. Swift and Company. 266,271, renewed Jan. 14, 1950. O. G. Jan. 31.
Canned meats and canned meat products. International Products Corporation. 269,638, renewed Apr. 15, 1950. O. G. Jan. 31.
Canned meats and canned meat products. International Products Corporation. 269,939, Apr. 22, 1930. Republished Jan. 31.
Canned salmon. G. P. Halferty & Co. 262,392, renewed Oct. 8, 1949. O. G. Jan. 31.
Canned, sliced, and crushed pineapple and pineapple juice. Hawaiian Canneries Company, Ltd. 266,279, renewed Jan. 14, 1950. O. G. Jan. 31.
Canned, sliced and crushed pineapple and pineapple juice. Hawaiian Canneries Company, Ltd. 267,114, renewed Feb. 11, 1950. O. G. Jan. 31.
Canned vegetables. The Illinois Canning Co. 520,435, Jan. 31; Serial No. 560,203, published Oct. 11, 1949.
Canned vegetables. Chas. T. Wrightson & Son, Inc. 520,394, Jan. 31; Serial No. 552,198, published Oct. 11, 1949.
Canned vegetables, canned tomato juice and tomato catsup. The Houghland Packing Co., Inc. 520,360, Jan. 31; Serial No. 533,896, Oct. 18, 1949.
Cauliflower, Fresh. John W. Law Co. 443,443, Oct. 11, 1949. Republished Jan. 31.
Cereal products. Roman Meal Company. 262,911, Oct. 29, 1929. Republished Jan. 31.
Cheese. Hygrade Food Products Corporation. 520,466, Jan. 31; Serial No. 564,126, published Oct. 18, 1949.
Cheese. Purity Cheese Company. 520,341, Jan. 31; Serial No. 499,350, published Oct. 18, 1949.
Cheese food, Process. Standard Brands Incorporated. 520,409, Jan. 31; Serial No. 556,994, published Oct. 18, 1949.
Coffee. Alabama Coffee Co. 263,409, renewed Nov. 5, 1949. O. G. Jan. 31.
Coffee. The House of Rothchild, Inc. 520,535, Jan. 31; Serial No. 568,505.
Coffee. Sherman Bros. & Co. 76,606, re-renewed Feb. 1, 1950. O. G. Jan. 31.
Coffee and potato chips. The Isaly Dairy Company. 520,460, Jan. 31; Serial No. 563,931, published Oct. 11, 1949.
Compound of corn syrup and West India molasses. Mangels-Herold Company, Inc. 269,402, renewed Apr. 8, 1950. O. G. Jan. 31.
Confections, Frozen, and liquid syrups or concentrates. Joe Lowe Corporation. 520,414–19, Jan. 31; Serial Nos. 557,534–9, published Oct. 11, 1949.
Dough improver in powdered form. Standard Brands Incorporated. 520,410, Jan. 31; Serial No. 556,995, published Oct. 11, 1949.
Eggs. The Rhodes Ranch Egg Company. 266,603, Jan. 28, 1930. Republished Jan. 31.
Eggs, and meat and meat products. H. L. Handy Company. 268,480, renewed Mar. 18, 1950. O. G. Jan. 31.
Eggs, Fresh. Farmingdale N. J. Cooperative Egg Producers Ass'n. Inc. 520,406, Jan. 31; Serial No. 555,400, published Oct. 18, 1949.
Feed, Poultry. R. T. Fox. 395,316, May 19, 1942. Republished Jan. 31.
Feed supplement, Live stock and poultry. Cerophyl Laboratories, Inc. 520,396, Jan. 31; Serial No. 552,569, published Oct. 11, 1949.
Flour, Wheat. Flour Mills of America, Inc. 520,467, Jan. 31; Serial No. 564,325, published Oct. 18, 1949.
Food, Dog and cat. California Animal Products Co. Inc. 261,263, Sept. 10, 1929. Republished Jan. 31.
Fresh vegetables. Airway Fruit & Vegetable Company. 520,433, Jan. 31; Serial No. 559,825, published Oct. 4, 1949.
Fruits, Fresh citrus. American Fruit Growers, Inc. 520,356, Jan. 31; Serial No. 531,418, published Jan. 4, 1949.
Fruits, Fresh citrus. Fullerton Mutual Orange Association. 520,408, Jan. 31; Serial No. 556,089, published Oct. 11, 1949.
Fruits, Fresh citrus. Lindsay Citrus Growers Association. 520,445–6, Jan. 31; Serial Nos. 562,212–13, published Oct. 4, 1949.
Fruits, Fresh citrus. Mountain View Fruit Association. 520,374, Jan. 31; Serial No. 545,592, published Oct. 4, 1949.
Fruits, Fresh citrus. Waverly Growers Cooperative. 520,403, Jan. 31; Serial No. 554,181, published Oct. 11, 1949.
Ice cream slice, Chocolate covered. The Isaly Dairy Company. 520,461, Jan. 31; Serial No. 563,934, published Oct. 18, 1949.
Icing. Basic Foods, Inc. 520,431, Jan. 31; Serial No. 559,672, published Oct. 11, 1949.
Ketchup. Curtice Brothers Co. 264,790, renewed Dec. 3, 1949. O. G. Jan. 31.
Malted milk. Horlicks Corporation. 520,345, Jan. 31; Serial No. 519,753, published Oct. 18, 1949.
Marshmallows. The Shotwell Mfg. Co. 268,418, Mar. 11, 1930. Amended. O. G. Jan. 31.
Mayonnaise, sandwich spread, salad dressing, etc. Otto Seidner, Inc. 520,407, Jan. 31; Serial No. 555,704, published Oct. 11, 1949.
Meat products. The Chas. Sucher Packing Co. 443,114, July 19, 1949. Republished Jan. 31.
Meats, Fresh, etc. Allied Packers, Incorporated. 179,474, Feb. 12, 1924. Canceled Dec. 16, 1949. O. G. Jan. 31.
Milk, fresh cream, fresh eggs, butter and cheese. Beatrice Foods Co. 520,365, Jan. 31; Serial No. 535,788, published Oct. 18, 1949.
Milk sugar residue. Belle Center Creamery and Cheese Company. 520,383, Jan. 31; Serial No. 549,493, published Oct. 11, 1949.
Oils, Edible and coffee. Lucatelli Packing Company. 520,400, Jan. 31; Serial No. 553,727, published Oct. 11, 1949.
Oleomargarine. Eckerson Company. 265,004, renewed Dec. 10, 1949. O. G. Jan. 31.
Oleomargarine, sweet cream, condensed skim milk, and vegetable oil shortening. Mrs. Tucker's Foods, Inc. 520,412, Jan. 31; Serial No. 557,400, published Oct. 11, 1949.
Olives, olive oil, spices, and cheese, etc. Adolph Goldmark & Sons Corp. 359,382, Aug. 16, 1938; republished Jan. 31.
Pork sausage. Armour and Company. 520,438, Jan. 31; Serial No. 560,436, published Oct. 11, 1949.
Salt. Jefferson Island Salt Company. 520,462, Jan. 31; Serial No. 563,936, published Oct. 11, 1949.
Sandwiches, Peanut butter. Lance, Inc. 520,454, Jan. 31; Serial No. 563,419, published Oct. 18, 1949.
Spaghetti. Minnesota Macaroni Company. 520,468, Jan. 31; Serial No. 564,340, published Oct. 18, 1949.
Syrup, Table, fruit preserves. Pacific Food Products Co. 520,342, Jan. 31; Serial No. 515,195, published July 13, 1948.
Tomatoes, Fresh. Post Produce Company. 443,711, Jan 31; Serial No. 504,787, published Dec. 23, 1947.
Vegetables, Fresh. Sanford-Oviedo Truck Growers, Inc. 263,611, renewed Nov. 5, 1949. O. G. Jan. 31.
Vegetables, Fresh. Sheehy & Cumming. 269,287, renewed Apr. 1, 1950. O. G. Jan. 31.

CLASS 47

Wine. California Wine Sales, Inc. 404,300, Nov. 16, 1943. Republished Jan. 31.
Wine. California Wine Sales, Inc. 407,662, June 20, 1944. Republished Jan. 31, 1950.

CLASS 49

Liquor. J. M. Legendre. 320,154, Dec. 18, 1934. Republished Jan. 31, 1950.
Whiskey. Frankfort Distilleries, Incorporated. 315,218, July 24, 1934. New certificate. O. G. Jan. 31.
Whiskey. Frankfort Distilleries, Incorporated. 318,910, Nov. 6, 1934. New certificate. O. G. Jan. 31.
Whiskey. Frankfort Distilleries, Incorporated. 355,792, Mar. 29, 1938. New certificate. O. G. Jan. 31.
Whiskey. The Frankfort Distillery, Inc. 308,171, Nov. 21, 1933. New certificate. O. G. Jan. 31.
Whiskies, Rye and bourbon. R. A. Elmore. 263,738, renewed Nov. 12, 1949. O. G. Jan. 31.

CLASS 51

Bay rum. West Indies Bay Company. 520,484, Jan. 31; Serial No. 569,728, published Oct. 25, 1949.

Cosmetics. E. Crystal. 520,482, Jan. 31; Serial No. 569,508, published Oct. 25, 1949.
Lipsticks. Pond's Extract Company. 385,191, Feb. 18, 1941, republished Jan. 31.
Lotion, Sunburn. Laboratoires du Dr. N. G. Payot. 443,712, Jan. 31; Serial No. 506,175, published Oct. 26, 1949.
Perfumes, toilet waters, face powders, etc. M. Blanchet Parfums de Luxe. Societe Anonyme. 265,317, renewed Dec. 24, 1949. O. G. Jan. 31.
Petroleum jelly, perfumed petroleum jelly, medicated petroleum jellies, etc. Chesebrough Manufacturing Company, Consolidated. 443,718–19, Jan. 31; Serial No. 519,626–7, published Feb. 24, 1948.
Powder base, Cream. Beautymasters of Beverly Hills, Inc. 520,386, Jan. 31; Serial No. 550,297, published Oct. 25, 1949.
Rouge, face powder, perfume, etc. M. A. D. Products, Inc. 520,479, Jan. 31; Serial No. 569,325, published Oct. 4, 1949.

CLASS 52

Drain opener, Chemical. Judson Dunaway Corporation. 520,473, Jan. 31; Serial No. 566,618, published Oct. 4, 1949.
Flushing compound, Radiator. Moto-Sway Corporation of America. 520,380, Jan. 31; Serial No. 548,985, published Oct. 4, 1949.

CLASS 100

Stimulating and maintaining interest in public affairs, citizenship and civic and community activities, etc. Gyro International. 520,520, Jan. 31; Serial No. 577,185, published Oct. 4, 1949.

CLASS 106

Dyeing and treatment of piece goods. American Finishing Company. 520,519, Jan. 31; Serial No. 505,172, published Aug. 23, 1949.
Services rendered manufacturers of all kinds of fabrics, etc. Bradford Dyeing Association (U. S. A.). 520,539, Jan. 31; Serial No. 544,144.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.

Blitz, Daniel: *See*—
Shankweiler, Ray G., and Blitz.

Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Constant speed drive for magnetic recorders. Re. 23,192, Jan. 31.

Justrite Manufacturing Company, assignee: *See*—
Packer, Charles S., and Olsen.

Olsen, Marvin R.: *See*—
Packer, Charles S., and Olsen.

Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Headlight lantern. Re. 23,193, Jan. 31.

Radio Corporation of America, assignee: *See*—
Shankweiler, Ray G., and Blitz.

Shankweiler, Ray G., Cranbury, N. J., and D. Blitz, Boston, Mass., assignors to Radio Corporation of America. Frequency modulation distance indicator. Re. 23,194, Jan. 31.

LIST OF PLANT PATENTEES

Arnold-Fisher Company, assignee: *See*—
Barké, Harvey E.

Barké, Harvey E., Amherst, assignor to Arnold-Fisher Company, Woburn, Mass. Rose plant. 918, Jan. 31.

Jackson & Perkins Company, assignee: *See*—
Le Grice, Edward B.

Le Grice, Edward B., North Walsham, England, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 917, Jan. 31.

LIST OF DESIGN PATENTEES

Aim, Inc., assignee: *See*—
Naulin, Abner A.

American Optical Company, assignee: *See*—
Armbruster, John T.

Anderson, Albert L.: *See*—
Myers, Leslie W., and Anderson.

Anderson, Albert L., and L. W. Myers, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,021, Jan. 31.

Anderson, Inc., assignee: *See*—
Reithard, William M.

Argus, Incorporated, assignee: *See*—
Hertzler, Frederick W.

Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Projector. 157,022, Jan. 31.

Ashenfelter, Dabney, Swanton, assignor to Bil-Jax, Inc., Archbold, Ohio. Scaffold horse. 157,023, Jan. 31.

Bacco, Stephen V., Brooklyn, N. Y., and M. McVickar, Fitchburg, Mass., assignors to The Spool Cotton Company, New York, N. Y. Display cabinet. 157,024, Jan. 31.

Baker, David A.: *See*—
Baker, Milton B. and D. A.

Baker, Milton B. and D. A., Hamden, assignors to The Majestic Silver Company, New Haven, Conn. Spoon or other article of flatware. 157,025, Jan. 31.

Beldue, William J.: *See*—
Tuttle, William R., and Beldue.

Bevis, Jeffery M.: *See*—
Victoreen, John A., Bevis, Bush, and Kidney.

Bigelow-Sanford Carpet Co., Inc., assignee: *See*—
Lehner, Charles D.

Bil-Jax, Inc., assignee: *See*—
Ashenfelter, Dabney.

Boonin, Michael M., Upper Darby, Pa. Building. 157,026, Jan. 31.

Boonin, Michael M., Upper Darby, Pa. Building. 157,027, Jan. 31.

Brach, E. J., & Sons, assignee: *See*—
Lapham, Walter A.

Bush, Arthur F.: *See*—
Victoreen, John A., Bevis, Bush, and Kidney.

Caldbick and Evans, assignee: *See*—
Pinkerton, Harold R.

Carlson, Louis W., Port Orchard, Wash., assignor to Vac-O-Lite Signal Co., Inc. Illuminable semaphore signal arm for automotive vehicles. 157,028, Jan. 31.

Castiglioni, Attilio, Philadelphia, Pa., assignor to French Jewelry Co. Expansible bracelet. 157,029, Jan. 31.

Chatfield, Earl C., Oak Park, Ill. Support rack. 157,030, Jan. 31.

Colton, Harry, New York, N. Y. Combined camisole and slip. 157,031, Jan. 31.

Converse Rubber Corporation, assignee: *See*—
Eldon, James F.

Cook Chocolate Company, assignee: *See*—
Opler, Edmond.

Cushman, Clifford E., Burbank, assignor to Sturgess, Inc., Glendale, Calif. Cable tension indicator. 157,032, Jan. 31.

Davis, Roy P. M., assignee: *See*—
Mansfield, Warren M.

Delany, Kathryn N.: *See*—
Gruber, Gilbert S., and Delany.

De Vilbiss Company, The, assignee: *See*—
Peeps, Donald J.

Dominion Electric Corporation, assignee: *See*—
Waltman, Chauncey E.

Douglas, Homer C., Kansas City, Kans. Display rack. 157,033, Jan. 31.

Eidinger, Sidney: *See*—
Kaplan, Harry, and Eidinger.

Eldon, James F., Melrose, assignor to Converse Rubber Corporation, Malden, Mass. Shoe or similar article of footwear. 157,034, Jan. 31.

Ensign, Robert H.: *See*—
Teague, Walter D., and Ensign.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Reineman, Richard G.

Feuerman, Arnold I., Detroit, Mich. Keyhole illuminator. 157,035, Jan. 31.

Fisher, James B., Waukesha, Wis. Toy vehicle. 157,036, Jan. 31.

Fixler Bros., assignee: *See*—
Slepski, Clara R.

Fleming, Mary P., Fulton, assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 157,037, Jan. 31.

Florman, Irving, New York, N. Y. Combination atomizer and cigarette lighter or the like. 157,038, Jan. 31.

Ford, W. B., Design Corporation, assignee: *See*—
Melzian, Harley H.

Fostoria Glass Company, assignee: *See*—
Yutzey, Marvin G.

Freitag, Ellen, Long Island, N. Y. Textile fabric. 157,039, Jan. 31.

French Jewelry Co., assignee: *See*—
Castiglioni, Attilio.

Geisler, Fred J., Chicago, Ill. Combination garment hanger or similar article. 157,040, Jan. 31.

General Aniline & Film Corporation, assignee: *See*—
Schoelles, Norman A.

Gerth, William H., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 157,041, Jan. 31.

Gowdy, Robert A., assignor to Stanley Home Products, Inc., Westfield, Mass. Bottle. 157,042, Jan. 31.

Grand Union Company, The, assignee: *See*—
Shield, Lansing P.

Gruber, Gilbert S., Somerville, and K. N. Delany, Brookline, assignors to Oxford Products Corp., Boston, Mass. Gift box. 157,043, Jan. 31.

Hall, Richard L., assignor to Union Manufacturing Co., Frederick, Md. Stocking. 157,044, Jan. 31.
Harvey, G. F., Company, The, assignee: *See*—
Zumpe, Elsa.
Heick Die Casting Corp., assignee: *See*—
Heick, John K.
Heick, John K., assignor to Heick Die Casting Corp., Chicago, Ill. Lawn sprinkler. 157,045, Jan. 31.
Hertzler, Frederick W., Detroit, assignor to Argus, Incorporated, Ann Arbor, Mich. Projector. 157,046, Jan. 31.
Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 157,047, Jan. 31.
Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 157,048, Jan. 31.
International Silver Company, The, assignee: *See*—
Stark, Frederick W.
Jones, Basil E., Flossmoor, Ill., assignor to Pullman-Standard Car Manufacturing Company. Covered washstand. 157,049, Jan. 31.
Jones, Basil E., Flossmoor, Ill., assignor to Pullman-Standard Car Manufacturing Company. Covered washstand. 157,050, Jan. 31.
Kahn, Cleone L., Cleveland, Ohio. Combination letter opener and dialer. 157,051, Jan. 31.
Kaplan, Harry, and S. Eidinger, Brooklyn, N. Y. Corner radio or utility shelf. 157,052, Jan. 31.
Kidney, Richard D.: *See*—
Victoreen, John A., Bevis, Bush, and Kidney.
Kirsch, Jane, New York, N. Y. Apron. 157,053, Jan. 31.
Knee, Simon, Newark, N. J. Wallet. 157,054, Jan. 31.
Knee, Simon, Newark, N. J. Wallet. 157,055, Jan. 31.
Kohn, Ignatz, New York, N. Y. Ash tray. 157,056, Jan. 31.
Kurlash Company, Inc., The, assignee: *See*—
Tuttle, William R., and Beldue.
Lane, Virgil O., Arcadia, Calif. Automobile door latch flanging tool. 157,057, Jan. 31.
Langer, Samuel J., Troy, N. Y., assignor to Tek Hughes, Inc. Brush. 157,058, Jan. 31.
Lapham, Walter A., assignor to E. J. Brach & Sons, Chicago, Ill. Showcase. 157,059, Jan. 31.
La Resista Corset Co., assignee: *See*—
Smith, Howard A.
Lehner, Charles D., Long Island City, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Carpet or the like. 157,060, Jan. 31.
Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Spectacle frame. 157,061, Jan. 31.
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Supurdisplay, Incorporated, Milwaukee, Wis. Display counter. 157,062, Jan. 31.
Majestic Silver Company, The, assignee: *See*—
Baker, Milton B. and D. A.
Mansfield, Warren M., Glendale, assignor, by mesne assignments, to R. P. M. Davis, Los Angeles, Calif. Razor type hair trimmer. 157,063, Jan. 31.
Mansfield, Warren M., Glendale, assignor, by mesne assignments, to R. P. M. Davis, Los Angeles, Calif. Reversible hair trimmer. 157,064, Jan. 31.
Maryland Baking Company, Inc., assignee: *See*—
Heyman, Albert A.
McVickar, Malcolm: *See*—
Bacco, Stephen V., and McVickar.
Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Bottle cap. 157,065, Jan. 31.
Melsian, Harley H., assignor of one-half to W. B. Ford Design Corporation, Detroit, Mich. Juvenile chair. 157,066, Jan. 31.
Metro, Paul, Brookfield, Ohio. Child's combined desk and toy chest, or the like. 157,067, Jan. 31.
Miller, Morris N., Inglewood, Calif. Lamp standard. 157,068, Jan. 31.
Morroni, Peter J., Leominster, Mass. Comb. 157,069, Jan. 31.
Moulded Products, Inc., assignee: *See*—
Wenkstern, Russell L.
Myers, Leslie W.: *See*—
Anderson, Albert L., and Myers.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,070, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,071, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,072, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,073, Jan. 31.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Spectacle frame. 157,074, Jan. 31.
Naulin, Abner A., Wauwatosa, assignor to Alm, Inc., Milwaukee, Wis. Collapsible stand. 157,075, Jan. 31.
Nemes, Stephen, Chicago, Ill. Combination writing desk and typewriter desk. 157,076, Jan. 31.
Newman, Samuel J., Cumberland, Md. Game board. 157,077, Jan. 31.
Nicholson, William H., Woodbury, N. J. Swing. 157,078, Jan. 31.
Norton, Edith, Los Angeles, Calif. Lamp. 157,079, Jan. 31.
Oneida Ltd., assignee: *See*—
Fleming, Mary P.
Gerth, William H.
Opler, Edmond, assignor to Cook Chocolate Company, Chicago, Ill. Display box. 157,080, Jan. 31.
Oxford Products Corp., assignee: *See*—
Gruber, Gilbert S., and Delany.
Paden, Frederick T., Collingswood, N. J. Altar. 157,081, Jan. 31.
Patton, John P., Cleveland, Ohio. Card holder. 157,082, Jan. 31.
Paulson, Thomas V., Fall Brook, Calif. Front for an eye shield or similar article. 157,083, Jan. 31.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Paint spray hose cleaner or the like. 157,084, Jan. 31.
Pinkerton, Harold R., assignor to Caldbick and Evans, Seattle, Wash. Child's stroller. 157,085, Jan. 31.
Pirone, Amato M. M., Mount Vernon, N. Y. Portable index file. 157,086, Jan. 31.
Precision-Cosmet Company, Inc., assignee: *See*—
Anderson, Albert L., and Myers.
Myers, Leslie W., and Anderson.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Jones, Basil E.
Radiant Heater Corporation, assignee: *See*—
Walker, George W.
Reineman, Richard G., Covina, assignor to Fairchild Camera and Instrument Corporation, Pasadena, Calif. Stereoscope. 157,087, Jan. 31.
Reithard, William M., Los Angeles, assignor to Link Anderson, Inc., Santa Monica, Calif. Hinged bracket or similar article. 157,088, Jan. 31.
Ridgefield Silversmiths, Inc., assignee: *See*—
Sohn, Ernest, and San Giovanni.
Roy, Lawrence C.: *See*—
Stanley, Harry, Tancre, and Roy.
Rubel & Company Decorative Accessories, Inc., assignee: *See*—
Sohn, Ernest, and San Giovanni.
Rubinstein, Helena, Inc., assignee: *See*—
Medgyes, Ladislas.
San Giovanni, Edward: *See*—
Sohn, Ernest, and San Giovanni.
Saunders, Jack A., Woodside, N. Y. Adjustable garment hanger. 157,089, Jan. 31.
Schmidt, Thur, Chicago, Ill. Antenna. 157,090, Jan. 31.
Schoelles, Norman A., West Englewood, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Bottle. 157,091, Jan. 31.
Shield, Lansing P., Ridgewood, N. J., assignor to The Grand Union Company, New York, N. Y. Support and end member for shelves. 157,092, Jan. 31.
Slepski, Clara R., assignor to Fixler Bros., Chicago, Ill. Embroidered textile fabric or similar article. 157,093, Jan. 31.
Slepski, Clara R., assignor to Fixler Bros., Chicago, Ill. Embroidered textile fabric or similar article. 157,094, Jan. 31.
Smith, Howard A., Fairfield, assignor to La Resista Corset Co., Bridgeport, Conn. Textile fabric. 157,095, Jan. 31.
Smith, Howard A., Fairfield, assignor to La Resista Corset Co., Bridgeport, Conn. Textile fabric. 157,096, Jan. 31.
Sohn, Ernest, New York, N. Y., and E. San Giovanni, Ridgefield, Conn., said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y. Combined cigarette and lighter holder. 157,097, Jan. 31.
Spool Cotton Company, The, assignee: *See*—
Bacco, Stephen V., and McVickar.
Stanley, Harry, Rocky River, C. Tancre, Avon Lake, and L. C. Roy, Strongsville, Ohio. Combined music stand and amplifier housing. 157,098, Jan. 31.
Stanley Home Products, Inc., assignee: *See*—
Gowdy, Robert A.
Stark, Frederick W., assignor to The International Silver Company, Meriden, Conn. Dish or other article of hollow ware. 157,099, Jan. 31.
Steiner, Albert M., Cincinnati, Ohio. Bubble blowing toy. 157,100, Jan. 31.
Strempel, Edward L., Bedford Village, N. Y. Vending machine. 157,101, Jan. 31.
Sturgess, Inc., assignee: *See*—
Cushman, Clifford.
Supurdisplay, Incorporated, assignee: *See*—
Lippincott, Joshua G.
Tabet Manufacturing Company, Incorporated, assignee: *See*—
Tabet, Michael A.
Tabet, Michael A., assignor to Tabet Manufacturing Company, Incorporated, Norfolk, Va. Portable oil pump and tank. 157,102, Jan. 31.
Tancre, Charles: *See*—
Stanley, Harry, Tancre, and Roy.
Teague, Walter D., Annandale, N. J., and R. H. Ensign, Bronxville, N. Y. Combined thermometer and barometer. 157,103, Jan. 31.
Tek Hughes, Inc., assignee: *See*—
Langer, Samuel J.

Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Tweezers. 157,104, Jan. 31.
Union Manufacturing Co., assignee: *See*—
Hall, Richard L.
Unsinger A P Corporation, assignee: *See*—
Unsinger, Philip H.
Unsinger, Philip H., assignor to Unsinger A P Corporation, Fremont, Ohio. Strip cutting machine. 157,105, Jan. 31.
Vac-O-Lite Signal Co., Inc., assignee: *See*—
Carlson, Louis W.
Victoreen, John A., Cleveland, J. M. Bevis, East Cleveland, A. F. Bush, Cleveland, and R. D. Kidney, Parma Heights, Ohio. Radiation measuring instrument. 157,106, Jan. 31.
Walker, George W., Pleasant Ridge, Mich., assignor to Radiant Heater Corporation, New York, N. Y. Combined portable tray and heater. 157,107, Jan. 31.
Waltman, Chauncey E., Chicago, Ill., assignor to Dominion Electric Corporation. Toaster. 157,108, Jan. 31.
Waltman, Chauncey E., Chicago, Ill., assignor to Dominion Electric Corporation. Toaster. 157,109, Jan. 31.
Welk, Lawrence, River Forest, Ill. Lunch box. 157,110, Jan. 31.
Welsh Manufacturing Company, assignee: *See*—
Lindblom, Frank W.
Wenkstern, Russell L., assignor to Moulded Products, Inc., Spring Park, Minn. Training seat or chair. 157,111, Jan. 31.
Wolf, Semon, New York, N. Y. Slip. 157,112, Jan. 31.
Wolf, Semon, New York, N. Y. Slip. 157,113, Jan. 31.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl. 157,114, Jan. 31.
Zumpe, Elsa, assignor to The G. F. Harvey Company, Saratoga Springs, N. Y. Pharmaceutical container. 157,115, Jan. 31.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Joseph S., Montreal, Quebec, Canada. Pocketed photographic mount. 2,496,141, Jan. 31.

Abrecht, James W.: *See* Abrecht, Rudy and J. W.

Abrecht, Rudy, Sacramento, and J. W. Abrecht, Whittier, Calif. Marking attachment for golf clubs. 2,495,679, Jan. 31.

Adams, Paul R.: *See*— Hoffman, Ross B., and Adams.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*— De Voss, Letta I., Beckel, and Belter. Lewis, James C., and Jansen. Owens, Harry S., and Lotzkar. Owens, Harry S., McCready, and Maclay. Reid, John D., and Daul.

Ahern, William B., and A. J. Walt, De Kalb, assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Treble action for accordions. 2,495,913, Jan. 31.

Ahern, William B., and A. J. Walt, De Kalb, assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Piano accordion. 2,495,914, Jan. 31.

Ahern, William B., and A. J. Walt, De Kalb, assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Accordion hand strap mounting. 2,495,915, Jan. 31.

Air Controls, Inc., assignee: *See*— Schwarz, Gerald L.

Air Reduction Company, Incorporated, assignee: *See*— Thurman, Oliver, Jr.

Ajax Manufacturing Company, The, assignee: *See*— Criley, William W.

Akkerman, Gerrit: *See*— Kolvoort, Egbert C. H., and Akkerman.

Aktiebolaget Elektrolux, assignee: *See*— Bäckström, Sigurd M.

Aldon Products Company, The, assignee: *See*— Vars, Ethan W.

Allman, Ernest J., Chichester, England. Wheel for agricultural machines. 2,495,952, Jan. 31.

Alter, Harry, Company, The, assignee: *See*— Cahenzli, Martin T., Jr.

Ambrose, Dermot M.: *See*— Houghton, Leslie W., and Ambrose.

Ambrose, Paul, Bridgeport, Conn. Umbilical hernia pad. 2,496,081, Jan. 31.

American Can Company, assignee: *See*— Geertsen, Nelson.

American Chain & Cable Company, Inc., assignee: *See*— Berchtold, Wallace W.

American Cyanamid Company, assignee: *See*— Gayle, Fred L. Herkenhoff, Earl C. Kropa, Edward L.

American Hardware Corporation, The, assignee: *See*— Holt, Charles O.

American Seating Company, assignee: *See*— Prosser, Joseph G., and T. W.

American Steel Foundries, assignee: *See*— Light, David M. Schlegel, Walter L., Jr.

Ames, Millard E., Jr., assignor to Philco Corporation, Philadelphia, Pa. Radio receiver aligning apparatus and method. 2,495,997, Jan. 31.

Ammons, Olly C., Pasadena, Calif. Hinged rod-joint locking device. 2,495,801, Jan. 31.

Anderson, Carl L., Bloomington, Ill. Cleanout shovel. 2,495,802, Jan. 31.

Anderson, Leslie J., Moorestown, and A. H. Kettler, Collingswood, N. J., assignors to Radio Corporation of America. Dual microphone sound detector system. 2,496,031, Jan. 31.

Andrews, Alvadore M., Portland, Oreg. Apparatus for joining pieces of plastic. 2,495,680, Jan. 31.

Animal Trap Company of America, assignee: *See*— Heymann, Roy D.

Annis, Wilbert: *See*— Byrd, William, Jr., and Annis.

Armco Steel Corporation, assignee: *See*— Jennings, Paul A.

Armstrong Cork Company, assignee: *See*— Paschke, Herbert.

Aroeste, Sylvia, New York, N. Y. Waterproof foot covering with tongue extension. 2,496,142, Jan. 31.

Arrow-Hart & Hegeman Electric Company, The, assignee: *See*— Bentley, Robert H. Johnson, David W. Schleicher, Harold E.

Ashenfelter, William, Swanton, Ohio. Scaffold structure. 2,496,082, Jan 31.

Asker, Göta F., Stockholm, Sweden, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,495,681, Jan. 31.

Atlas Powder Company, assignee: *See*— Brown, Kenneth R. Jefferson, George D., and Fine. Power, James T.

Auñero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,495,883, Jan. 31.

Austin, Dwight E., assignor to Samuel Moore & Company, Kent, Ohio. Connector. 2,496,032, Jan. 31.

Austin, Frank, Long Beach, Calif. Wire line cutter. 2,495,953, Jan. 31.

Austin, Kirby B., Bridgeport, Conn., assignor to General Electric Company. Remote control receiver. 2,495,916, Jan. 31.

Auto-Diesel Piston Ring Company, assignee: *See*— Heinrich, August H.

Avco Manufacturing Corporation, assignee: *See*— Davis, Dwillard J. Norrish, John W., and Nave.

Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigeration apparatus. 2,496,143, Jan. 31.

Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,495,683, Jan. 31.

Bacon, Walter M., New York, and E. F. Watson, Larchmont, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,495,682, Jan. 31.

Bahan, Edward F., administrator: *See*— Bahan, William H.

Bahan, William H., deceased, Greenville, S. C.; E. F. Bahan, administrator. Mounting for picker sticks in looms. 2,495,803, Jan. 31.

Bailey, Carl G., Staunton, Va. Article handling device. 2,495,954, Jan. 31.

Bailey Meter Company, assignee: *See*— Dickey, Paul S. Hornfeck, Anthony J.

Baker, Calvin S., Portland, Oreg. Seed lifter and hopper arrangement for planters. 2,495,998, Jan. 31.

Baker Castor Oil Company, The, assignee: *See*— Geiges, Alexander J.

Baldt, Thomas T., Springfield Gardens, N. Y. Automatic vehicle loader. 2,496,192, Jan. 31.

Ballentine, Edwin C.: *See*— Mell, Clifford W., Ballentine, and O'Neill.

Ballet, Jan J.: *See*— Van Daele, Leon M., and Ballet.

Barber-Colman Company, assignee: *See*— Crandall, Charles B.

Bartels, Arnold H., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Multivibrator. 2,495,684, Jan. 31.

Bastin, Edgar J., Jr.: *See*— Goldfield, Edwin R., Stava, and Bastin, Jr.

Bauman, Howard A., assignor to Enger-Kress Company, West Bend, Wis. Combination billfold, memorandum pad, and purse. 2,496,144, Jan. 31.

Beaman, Bernard, J. Hulman, and R. A. Stein, Dayton, Ohio. Two-stage hydraulic pressure pump. 2,495,685, Jan. 31.

Beckel, Arthur C.: *See*— De Voss, Letta I., Beckel, and Belter.

Beekman Industries, Inc., assignee: *See*— Wagner, George B.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Bacon, Walter M., and Watson. Carpenter, Warren W. Hagens, Herbert H. Roberts, Leland C. Walter, James N

Bellinghausen, John, assignor of one-half to J. J. Meyers, Carroll, Iowa. Combination farm wagon. 2,495,678, Jan. 31.

Belmont, Elliott T., Boston, Mass. Box for loose-leaf holders. 2,495,687, Jan. 31.

Belter, Paul A.: *See*— De Voss, Letta I., Beckel, and Belter.

Bendix Aviation Corporation, assignee: *See*— Lawrence, Donald M.

Benedict, Louis R., Philadelphia, Pa. Dispenser. 2,496,193, Jan. 31.

Bennett, Sidney, New York, N. Y. Powder distributor for preventing offset from freshly printed sheets. 2,496,194, Jan. 31.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Wire terminal mounting. 2,496,145, Jan. 31.

Berberian, Edward, Union City, N. J. Surface cleaning and shampooing machine. 2,495,686, Jan. 31.

Berchtold, Wallace W., York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Hoist. 2,495,804, Jan. 31.

Berg, James R., Detroit, Mich., assignor, by mesne assignments, to R. P. Scherer Corporation. Purification of nicotinamide. 2,496,114, Jan. 31.

Berry, James D., Los Angeles, Calif. Washing device. 2,496,033, Jan. 31.

Bethlehem Steel Company, assignee: *See*— Jones, Jonathan.

Beyers, John, Perth Amboy, N. J. Closure device having self-locking pivoted cap. 2,495,884, Jan. 31.

Blair, Carl E.: *See*— Hutson, Canfield, Kidd, and Blair.

Blakeslee, Herbert G., Evanston, assignor to Cory Corporation, Chicago, Ill. Collar handle for liquid vessels. 2,495,688, Jan. 31.

Blancha, Felix C., Manoa, Pa., assignor to Radio Corporation of America. Inductor. 2,496,034, Jan. 31.

Bliss, Warren H., Riverhead, N. Y., assignor to Radio Corporation of America. Tone keyer control circuit. 2,495,805, Jan. 31.

Block, Herman, New York, N. Y. Holder. 2,495,806, Jan. 31.

Blume, Carl T., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Feeding device. 2,495,885, Jan. 31.

Bohnsack, John A.: *See*— Hopeman, Albert A., Jr., and Bohnsack.

Bolton, Elmer K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Poly-n-vinyl lactam photographic silver halide emulsions. 2,495,918, Jan. 31.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Extension table for center insertion. 2,496,195, Jan. 31.

Borg-Warner Corporation, assignee: *See*— Sheppard, William L.

Botkin, Carl, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype coating solution for plastic carriers. 2,496,196, Jan. 31.

Boughman, Guy A., assignor to Boughman Machine Company, Lenoir, N. C. Wood waste disposal apparatus. 2,496,146, Jan. 31.

Boughman Machine Company, assignee: *See*— Boughman, Guy A.

Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie) Clermont-Ferrand (Puy-de-Dome), France. Valve for tires. 2,495,955, Jan. 31.

Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Keyboard for calculating machines. 2,495,832, Jan. 31.

Boyer, William C., assignor to A. H. Rice Company, Pittsfield, Mass. Thread controlling device for sewing machines. 2,496,116, Jan. 31.

Boyer, William C., assignor to A. H. Rice Company, Pittsfield, Mass. Thread controlling device for sewing machines. 2,496,117, Jan. 31.

Bracke, Oscar J. J., and G. X. Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Driving device for power-driven telephone switches and similar switching members. 2,495,689, Jan. 31.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Echo-triggered radar system. 2,495,690, Jan. 31.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Antenna system. 2,496,242, Jan. 31.

Brennan, Linn S., Dayton, Ohio. Control unit. 2,495,691, Jan. 31.

Brillhart, Samuel E., Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and working plastic material. 2,496,147, Jan. 31.

British Mechanical Products Limited, assignee: *See*— Deakin, Stanley T.

Breck & Rankin, assignee: *See*— Hildmann, William B.

Broderick & Bascom Rope Company, assignee: *See*— Von Wehrden, Frederick W.

Brook, John H., Toronto, Ontario, Canada. Dolly for washing machines. 2,495,999, Jan. 31.

Brophy, Clarence E.: *See*— Miller, Harry G., and Brophy.

Brothers, Lewis R., North Hollywood, Calif. Phonograph pickup arm. 2,496,035, Jan. 31.

Brown, Clyde E.: *See*— Perry, Alfred A., and Brown.

Brown, Kenneth R., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Morpholine derivatives in viscose spinning. 2,495,833, Jan. 31.

Brown, William E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electric switch. 2,496,118, Jan. 31.

Browning, Jack V., Albuquerque, N. Mex. Aircraft control. 2,496,083, Jan. 31.

Bruestle, Carl O., and H. Wilken, Rahway, assignors to Syncro Machine Company, Perth Amboy, N. J. Safety switch for stranding machines. 2,495,886, Jan. 31.

Brunn, Robert B. J., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Quick-reset time-delay electronic control system. 2,495,919, Jan. 31.

Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Orthodontic arch wire and mounting. 2,495,692, Jan. 31.

Buck, George C., Odessa, Mo. Testing equipment for electrical apparatus. 2,496,197, Jan. 31.

Bugenhagen, George H., Midland, Mich. Apparatus for removing blocks from molding machines. 2,496,000, Jan. 31.

Bumstead, George N., Bethesda, Md., assignor to National Geographic Society, Washington, D. C. Composing frame and easel for use in photographic reproductions. 2,495,887, Jan. 31.

Burford, William B., III, Baltimore, Md., and C. E. Weber, Schenectady, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Stabilization of perfluoro oils. 2,496,115, Jan. 31.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind tilt shaft mechanism. 2,495,888, Jan. 31.

Bush A. G., assignee: *See*— Schumacher, Henry E.

Bushway, George H., North Hampton, N. H., assignor to Electricooker, Inc., Newburyport, Mass. Electrical heat treating mechanism. 2,496,199, Jan. 31.

Butterbaugh, Darrel J., Abington, assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of alkoxyisobutyraldoximes. 2,496,198, Jan. 31.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Double walled box or carton. 2,495,807, Jan. 31.

Butts, Robert S., Arlington, assignor to Melpar, Inc., Alexandria, Va. Frequency modulator and time division multiplex system. 2,496,148, Jan. 31.

Buxton, Incorporated, assignee: *See*— Harvey, Robert P.

Byrd, William, Jr., and W. Annis, U. S. Navy. Hydraulic surge damper. 2,495,693, Jan. 31.

Caccivio, Gino: *See*— Peretti, Yolanda, and Caccivio.

Cahenzli, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Coupler. 2,496,149, Jan. 31.

Cain, Hubert C., Alexandria, Va., dedicated to the free use of the People in the Territory of the United States. Mechanical resector. 2,495,694, Jan. 31.

Cameron Iron Works, assignee: *See*— Fermier, George F. Works, Madden T.

Camin, Etienne L. A., and H. Kenmore, assignors, by mesne assignments, to Kenmore Metals Corporation, New York, N. Y. Electroplating apparatus. 2,495,695, Jan. 31.

Carborundum Company, The, assignee: *See*— Robie, Norman P.

Cardox Corporation, assignee: *See*— Hesson, James C. Voss, Walter W., Getz, and Hesson.

Carpenter, Warren W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Record scanner with means to prevent false operation. 2,496,150, Jan. 31.

Case, J. I., Company, assignee: *See*— Geraldson, Gerald. Schroeppel, Paul R.

Casperson, Charles M., Erie, Mich. Weather strip. 2,496,084, Jan. 31.

Castalov Corporation, assignee: *See*— Goldston, Joseph E.

Caumartin, Pierre P., St-Cuthbert, Quebec, Canada. Apparatus for agitating curds. 2,496,001, Jan. 31.

Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Scanning current generator. 2,495,696, Jan. 31.

Celanese Corporation of America, assignee: *See*— Hindle, Walter H. Hutson, Canfield, Kidd, and Blair. Roughsedge, Robert H., and Lustig.

Cesen, Frank, Cleveland, Ohio. Traction device for automotive vehicles. 2,496,119, Jan. 31.

Chase-Shawmut Company, The, assignee: *See*— Taylor, Elmer H.

Chicago Bridge & Iron Company, assignee: *See*— Horton, George T. Lebedeff, Michael N. Orr, Clifford M., and Goldsby. Wissmiller, Ivan L.

Chicopee Manufacturing Corporation of Georgia, assignee: *See*— Platt, James C.

Chilowsky, Constantin, New York, N. Y. Method and apparatus for intensifying electronic images. 2,495,697, Jan. 31.

Chilson, Lloyd E., San Francisco, Calif. Signaling device. 2,495,698, Jan. 31.

Christensen, Niels A., South Euclid, Ohio. Reversing valve. 2,496,036, Jan. 31.

Clark, George H., Yakima, Wash. Grip tightening device for pipe wrenches. 2,495,699, Jan. 31.

Clary Multiplier Corporation, assignee: *See*—
Boyden, Robert E.
Claydon, Lynold L., assignee: *See*—
Trenholm, Kenneth S.
Clayton, Andrew B., Sea Bright, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Adjustable needle guide for sewing machines. 2,496,243, Jan. 31.
Const Envelope Company, assignee: *See*—
Miller, Joseph C.
Cohen, Arthur M., New Rochelle, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,496,120, Jan. 31.
Colmant, Jean, assignor to Etablissements Colmant & Cuvelier Societe Anonyme, Tournai, Belgium. Impregnating thick textile fabrics with gum. 2,495,808, Jan. 31.
Colquitt, Odie, assignor to Patents Inc., Denver, Colo. Casing tongs. 2,495,834, Jan. 31.
Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.
Columbian Carbon Company, assignee: *See*—
Foster, Henry C., and Johnson.
Columbus Auto Parts Company, The, assignee: *See*—
Flumerfelt, William A.
Comstock, George F., Niagara Falls, and L. J. Frost, Lewiston, N. Y., assignors to G. N. Hibben, Chicago, Ill., as trustee. Light-colored enameled steel article. 2,495,835, Jan. 31.
Comstock, George F., Niagara Falls, and L. J. Frost, Lewiston, N. Y., assignors to G. N. Hibben, Chicago, Ill., as trustee. Enamelware. 2,495,836, Jan. 31.
Conn, C. G., Ltd., assignee: *See*—
Jeffries, Le Roy J.
Long, Thomas H.
Connaghan, Charles R., Niantic, Ill. Detachable crutch bracket. 2,495,889, Jan. 31.
Control Devices, Inc., assignee: *See*—
Orvedahl, Walter.
Control Products, Inc., assignee: *See*—
Parkhurst, Malcolm K.
Cook, Everett J., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Producing glass fibers. 2,495,956, Jan. 31.
Cornelius, Edward B.: *See*—
Mills, George A., and Cornelius.
Corsaw, Harry B., Visalia, Calif. Film splicer and viewer. 2,495,957, Jan. 31.
Corson, Ben B., and G. A. Webb, assignors to Koppers Company, Inc., Pittsburgh, Pa. Silica-alumina-nickel dehydrogenation catalyst. 2,495,700, Jan. 31.
Cory Corporation, assignee: *See*—
Blakeslee, Herbert G.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Composite hose end. 2,496,037, Jan. 31.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Plate securing means. 2,496,200, Jan. 31.
Craig, W E, Philadelphia, and W. F. Hester, Drexel Hill, assignor to Rohm & Haas Company, Philadelphia, Pa. Diallyl esters of phosphorous acid. 2,495,958, Jan. 31.
Crandall, Charles B., assignor to Barber-Colman Company, Rockford, Ill. Warp tying machine for operating upon leased warps. 2,496,038, Jan. 31.
Crawford, John T., assignor to Towmotor Corporation, Cleveland, Ohio. Load pusher for industrial trucks. 2,496,039, Jan. 31.
Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Control valve mechanism for clutches and brakes. 2,496,040, Jan. 31.
Crompton & Knowles Loom Works, assignee: *See*—
Palmer, Albert, and Payne.
Crown Fastener Corporation, assignee: *See*—
Morin, Louis H., and Gries.
Cudahy Packing Company, The, assignee: *See*—
Flint, Einar P., Miller, and Douglass.
Cull, Edwin L.: *See*—
Learned, Charles G., and Cull.
Curtiss, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.
Danforth, Joseph D., Grinnell, Iowa, assignor to Universal Oil Products Company, Chicago, Ill. Resinous condensation products from an aldehyde or a ketone and an N-alkenylarylamine. 2,495,890, Jan. 31.
Daul, George C.: *See*—
Reid, John D., and Daul.
Davis, Dwillard J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Apparatus for measuring propeller blades. 2,495,891, Jan. 31.
Dawson, Charles R., New York, and D. Wasserman, Brooklyn, N. Y., assignors, by mesne assignments, to The Harvel Corporation. Azo dyestuffs. 2,496,151, Jan. 31.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Contact brush spreader and guide for electric selector switches. 2,495,701, Jan. 31.
Deakin, Gerald, assignor to International Standard Electric Corporation, new York, N. Y. Combined contact brush guide and spreader for electric selector switches. 2,495,702, Jan. 31.
Deakin, Stanley T., Ewell West, assignor to British Mechanical Productions Limited, Leatherhead, England. Saddle fixing for thermionic valve holders and other electrical components. 2,495,838, Jan. 31.
Deere & Company, assignee: *See*—
Oerman, Orey W.
De Ment, Harold E., Decatur, and H. L. Wismasky, Forsyth, Ill. Grease shield for skillets and the like. 2,496,121, Jan. 31.
Demsey, Leo, assignee: *See*—
Thellman, Milton R.
Dennis, Albert E., United States Army, Philadelphia, Pa. Visual inspection by comparison with a series of three-dimensional pictures. 2,495,703, Jan. 31.
Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,495,920, Jan. 31.
Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,495,921, Jan. 31.
Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,495,922, Jan. 31.
De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Constant amplitude wave train generator. 2,495,704, Jan. 31.
Devaux, Lucien, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Multiple frequency telegraph system. 2,495,705, Jan. 31.
De Voss, Letta L., and A. C. Beckel, Peoria, and P. A. Beiter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture, Vegetable gel. 2,495,706, Jan. 31.
Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Locomotive power plant. 2,496,041, Jan. 31.
Di Filippo, Louis R.: *See*—
White, Howard T., Fritsch, and Di Filippo.
Dikeman, Myron J., Grosse Pointe Woods, Mich. Universal fluid drive and control unit. 2,496,042, Jan. 31.
Dilley, Donald C.: *See*—
Hose, Alfred G., and Dilley.
Dodge, Adiel Y., Rockford, Ill. Speed responsive clutch mechanism. 2,496,201, Jan. 31.
Dole Refrigerating Company, assignee: *See*—
Kleist, Herman W.
Donahue, William J., Jr.: *See*—
Grauman, Raymond L., and Donahue.
Donahue, William T., Chicago, Ill. Grained laminated structure. 2,496,122, Jan. 31.
Doschek, Antony, Crafton, Pa. Triboelectric metal identifier. 2,495,707, Jan. 31.
Douglas, Arthur D., Berkeley, Calif. Pickup for harvester gathering reels. 2,496,002, Jan. 31.
Douglass, Wilson F.: *See*—
Flint, Einar P., Miller, and Douglass.
Drabb, Nicholas E., assignee: *See*—
Potter, Elbert R.
Drager, Rupert H., United States Navy, and H. Friedman, Arlington, Va. Electrically controlled flicker fusion testing apparatus. 2,495,708, Jan. 31.
Drown, Clifford F., Oklahoma City, Okla., N. H. Zimmerman, University City, Mo., and W. C. Ross, Dayton, Ohio. Weight and balance training model. 2,495,709, Jan. 31.
Dubilier, Philip: *See*—
Katzman, Jacob, and Dubilier.
Dubin, Lester, Mount Vernon, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon receiver control circuit. 2,495,710, Jan. 31.
Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
McCord, Willis I.
Duncan Parking Meter Corporation, assignee: *See*—
Starts, Albert.
Dupeyron, Madeleine, née Junca, Paris, France. Telescopic stand for photographic cameras. 2,496,165, Jan. 31.
Du Pont, E. I. de Nemours & Company, assignee: *See*—
Bolton, Elmer K.
Jacobson, Henning W.
Dvorak, Ann K., New York, N. Y. Convertible features for stuffed dolls and animals. 2,496,152, Jan. 31.
East, Jack K., and S. G. English, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,496,123, Jan. 31.
Eaves, Hubert H., San Mateo, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube having annular electrodes. 2,496,003, Jan. 31.
Eaves, John, Jr., and J. C. Jones, Bremen, Ga. Harrow elevating and transporting trailer. 2,496,153, Jan. 31.
Egry Register Company, The, assignee: *See*—
Sadgebury, Herman F., and Ward.
Eguchi, George M., and C. H. Wells, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Processing of pineapple juice. 2,496,202, Jan. 31.
Eilers, Herman, J. Overhoff, and J. C. Vlugter, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of dispersions of reaction products of halogenated paraffins and alkaline polysulfides. 2,496,227, Jan. 31.

Eitel-McCullough, Inc., assignee: *See*—
Eaves, Hubert H.
Electricooker, Inc., assignee: *See*—
Bushway, George H.
Engelheart, Alexis C., New Orleans, La. Auto sunshade. 2,496,085, Jan. 31.
Enger-Kress Company, assignee: *See*—
Bauman, Howard A.
Pence, William A.
English, Spofurd G.: *See*—
East, Jack K., and English.
Erlandsen, Oscar, Jr.: *See*—
Schwendler, William T., and Erlandsen.
Etablissements Colmant & Cuvelier, assignee: *See*—
Colmant, Jean.
Evering, Bernard L.: *See*—
Lien, Arthur P., and Evering.
Lien, Arthur P., Evering, and Shoemaker.
Evers, Arthur J., Brooklyn, N. Y. Felt hardening machine. 2,495,923, Jan. 31.
Farnsworth Research Corporation, assignee: *See*—
Bartels, Arnold H.
Cawein, Madison.
Mayle, Louis F.
Farr, Harmon E., assignee: *See*—
Lawrence, Marion E.
Farrell, Robert A., Menasha, assignor to Marathon Corporation, Rothschild, Wis. Leakproof package and making same. 2,496,043, Jan. 31.
Federal Telephone and Radio Corporation, assignee: *See*—
De Rosa, Louis A.
Dubin, Lester.
Hoffman, Ross B., and Adams.
Horwitz, Henry L.
Kandoian, Armig. G.
Labin, Emile, and Grieg.
Labin, Emile, Grieg, and Levine.
Labin, Emile, and Poylo.
Litton, Charles V.
Lundburg, Frank J.
Reade, Ralph B.
Royden, George T.
Sorensen, Edward M.
Fermier, George F., assignor to Cameron Iron Works, Houston, Tex. Packoff. 2,496,154, Jan. 31.
Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Frequency-modulated oscillator. 2,496,044, Jan. 31.
Ferranti Limited Hollinwood, assignee: *See*—
Taylor, Maurice K., and Williams.
Ferro Engineering Company, The, assignee: *See*—
Urmetz, Walter W.
Ferry, John T., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Statistical card comparing machine. 2,496,124, Jan. 31.
Fiechter, John J., Willow Grove, Pa. Knife sharpener. 2,495,839, Jan. 31.
Findlater, John G., Baker, Mont. Oil shale mining machine. 2,495,840, Jan. 31.
Fine, Richard D.: *See*—
Jefferson, George D., and Fine.
Fink, Homer, Topeka, Kans. Surface gauge. 2,495,841, Jan. 31.
Fishel, Robert G., Chicago, Ill. Telephone dialer. 2,495,892, Jan. 31.
Fisher Governor Company, assignee: *See*—
Jones, Benjamin R.
Fitzgerald, James F., Detroit, Mich. Guiding disk for drawing pencils. 2,496,086, Jan. 31.
Fleming, Jacob W. P., Memphis, Tenn. Aerial train. 2,496,087, Jan. 31.
Fleming, Robert W.: *See*—
Rieveschl, George, Jr., and Fleming.
Fletcher, George E., United States Navy. Pallet stacking guide. 2,495,711, Jan. 31.
Flint, Einar P., and T. C. Miller, Chicago, Ill., and W. F. Douglass, South Omaha, Nebr., assignors to The Cudahy Packing Company, Chicago, Ill. Beneficiation of volcanic ash. 2,496,203, Jan. 31.
Flora, Rudolph F.: *See*—
Olsen, Ernest R., Flora, and Lonnee.
Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Steering arm joint assembly unit. 2,495,959, Jan. 31.
Foley, William T., Terrace Park, Ohio. Precision oil heater. 2,495,924, Jan. 31.
Foltis, Anestis, Jackson Heights, N. Y. Wall picture hanger. 2,495,712, Jan. 31.
Fondation dite: Groupement Francais pour le Developpement des Recherches Aeronautiques, assignee: *See*—
Mercier, Robert.
Fontaine, Jack, Cleveland Heights, Ohio. Universal knitting means. 2,496,204, Jan. 31.
Ford, Thomas L., Tyler, Tex. Telescopic sight. 2,496,045, Jan. 31.
Foster, Edson P., Manitowoc, Wis. Felting needle. 2,495,926, Jan. 31.
Foster, Edwin E., Austin, Tex. Window holding device. 2,495,713, Jan. 31.
Foster, Henry C., Mount Lebanon, Pa., and B. Johnson, Lefors, Tex., assignors to Columbian Carbon Company, New York, N. Y. Producing carbon black products. 2,495,925, Jan. 31.
Foster Wheeler Corporation, assignee: *See*—
Parker, Alfred G.
Francis, Frederick R., Billings Bridge, Ontario, Canada. Lathe machine. 2,495,927, Jan. 31.
French, Frank E., Rochester, N. Y. Garment hanger. 2,496,088, Jan. 31.
Freston, Robert B.: *See*—
Pletta, William H., and Freston.
Friedman, Herbert: *See*—
Draeger, Rupert H., and Friedman.
Fritsch, Herman: *See*—
White, Howard T., Fritsch, and Di Filippo.
Frost, Leon J.: *See*—
Comstock, George F., and Frost.
Fulkerson, Archie P., assignor to Henry Vogt Machine Company, Louisville, Ky. Tube ice machine. 2,496,155, Jan. 31.
Fulton, Barbara S., executrix: *See*—
Fulton, Weston M.
Fulton, Robert W., executor: *See*—
Fulton, Weston M.
Fulton, Weston M., deceased; B. S. Fulton, J. H. Murrian and R. W. Fulton, executors, assignors to W. J. Savage Company, Knoxville, Tenn. Rotary-type burner for solid fuels. 2,496,156, Jan. 31.
Furblo Company, assignee: *See*—
Marcoe, Reuben J.
Guadino, Orlando A., United States Army, Butler, Pa. Coaster. 2,496,157, Jan. 31.
Gausden, Alfred H.: *See*—
Thomas, Arthur, and Gausden.
Gayle, Fred L., Lake Charles, La., assignor to American Cyanamid Company, New York, N. Y. Ion exchange sugar purification. 2,496,244, Jan. 31.
Geertsen, Nelson, Chicago, Ill., assignor to American Can Company, New York, N. Y. Container and opening key. 2,495,715, Jan. 31.
Geiges, Alexander J., deceased, by A. S. Geiges, administratrix, East Orange, assignor to The Baker Castor Oil Company, Jersey City, N. J. Cellulose derivative plasticized with an oily diester of a polyhydric alcohol. 2,495,714, Jan. 31.
Geiges, Alice S., administratrix: *See*—
Geiges, Alexander J.
General Aniline & Film Corporation, assignee: *See*—
Botkin, Carl.
Roberts, Stiles M.
Slifkin, Sam C.
Von Glahn, William H.
Von Glahn, William H., and Stanley.
General Electric Company, assignee: *See*—
Austin, Kirby B.
Miner, Carroll R.
General Motors Corporation, assignee: *See*—
Brown, William E.
Sampson, Frederick W.
George, F. C., Machine Company, assignee: *See*—
George, Walter R.
George, Walter R., assignor to F. C. George Machine Company, Orlando, Fla. Roller surfacer for concrete blocks. 2,495,960, Jan. 31.
Geraldson, Gerald, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Hitch and drawbar construction for cultivators. 2,495,928, Jan. 31.
Getz, Charles A.: *See*—
Voss, Walter W., Getz, and Hesson.
Geyer, Carl F., deceased, by E. Pierce, administratrix, Charlotte, N. C., assignor to C. M. Geyer. Paste dispenser. 2,496,004, Jan. 31.
Geyer, Catherine M., assignee: *See*—
Geyer, Carl F.
Giersch, Ewald A., Seattle, Wash. Friction-reducing heel tab for oxfords. 2,495,929, Jan. 31.
Gilbough, Benjamin G., Ramona, Calif. Poultry watering fountain. 2,496,046, Jan. 31.
Gilliland, Edwin R., Arlington, Mass., assignor to Standard Oil Development Company. Fractionation of gases with solid adsorbents. 2,495,842, Jan. 31.
Ginsel, Leo A.: *See*—
Van Dijck, Willem J. D., and Ginsel.
Girard, Jean M., Paris, France, assignor to International Stantard Electric Corporation, New York, N. Y. Rectifier. 2,495,716, Jan. 31.
Glaisher, Edward J.: *See*—
Richards, Claude L., and Glaisher.
Glass Fibers, Inc., assignee: *See*—
Cook, Everett J.
Glenn, Marlow, Twin Falls, Idaho. Children's high chair device. 2,495,843, Jan. 31.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Recording and reproducing two-sided magnetic records. 2,496,047, Jan. 31.
Goldfield, Edwin R., and R. J. Stava, University Heights, and E. J. Bastin, Jr., assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Minograph for photofluorography. 2,496,089, Jan. 31.
Goldsby, Fred L.: *See*—
Orr, Clifford M., and Goldsby.
Goldston, Joseph E., Toledo, Ohio, assignor to Castaloy Corporation, Detroit, Mich. Plastic dip tank. 2,495,961, Jan. 31.

Goodrich, B. F., Company, The, assignee: *See*—
Smith, Robert W.
Sternad, Frank S., and Sapp.

Goss Printing Press Company, The, assignee: *See*—
Crafts, Curtis S.
Ross, William P. V.

Graham, George K., Oceanside, N. Y., assignor to Radio Corporation of America. Signal expansion or compression. 2,495,809, Jan. 31.

Grant, Robert H., Everett, Mass. Gripping device to remove bushings and the like. 2,496,005, Jan. 31.

Grauman, Raymond L., Alexandria, Va., and W. J. Donahue, Jr., Washington, D. C. Fuse. 2,495,717, Jan. 31.

Gravelle, Frank F., and T. Thape, Rochester, N. Y. Hinge. 2,495,962, Jan. 31.

Greegor, Ralph H., assignor to The Kinnear Manufacturing Co., Columbus, Ohio. Rolling door. 2,495,963, Jan. 31.

Greenleaf, Nathaniel B., assignor to Suprasol Limited, Toronto, Ontario, Canada. Spring tension connection for securing mop heads to handles. 2,496,158, Jan. 31.

Grieb, Charles, Flushing, N. Y. Foldable auxiliary baby seat. 2,496,205, Jan. 31.

Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.
Labin, Emile, Grieg, and Levine.

Gries, Otto: *See*—
Morin, Louis H., and Gries.

Griesman, Bruno L., New York, N. Y. Nasal applicator. 2,496,125, Jan. 31.

Grigaby, Robert E., Cincinnati, Ohio. Hair wave processing indicator. 2,496,206, Jan. 31.

Grohs, John W., Torrington, Conn. Ice fishing tipup. 2,496,090, Jan. 31.

Grumman Aircraft Engineering Corporation, assignee: *See*—
Schwendler, William T., and Erlandsen.

Guérillot, Pierre J., Belleville, assignor to Societe pour le Decoupage de La Cellophane & de Toutes Matieres Similaires (S. O. D. E. C.), Paris, France. Cellulosic dressing. 2,495,893, Jan. 31.

Guibert Steel Company, assignee: *See*—
Seaberg, John E.

Guinard, George Z., South Hadley Falls, Mass. Window sash fastener. 2,495,930, Jan. 31.

Gustaveson, Clarence J., Chehalis, Wash. Baby handling device. 2,495,964, Jan. 31.

Gustaveson, Clarence J., Chehalis, Wash. Baby handling device. 2,495,965, Jan. 31.

Haboush, Edward J., Brooklyn, N. Y. Fracture nail and bone plate. 2,496,126, Jan. 31.

Hagens, Herbert H., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,496,159, Jan. 31.

Haines, Malcolm E., assignor to The McDowell & Torrence Lumber Company, Xenia, Ohio. Joint between structural members of buildings. 2,495,966, Jan. 31.

Haley, Shaffer, assignee: *See*—
Keller, Martin W.

Hamilton, Roger A., Rutherford, N. J. Amusement device. 2,495,967, Jan. 31.

Hammond, John A. S., Glenbrook, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Preparations of phenyl chioroformate. 2,496,091, Jan. 31.

Handlos, Arthur E., Berkeley, and G. J. Pierotti, Albany, assignors to Shell Development Company, San Francisco, Calif. Azeotropic distillation of hydrocarbons from sulfolanes. 2,496,207, Jan. 31.

Hardy, René, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Sense indicator for manually controlled radio direction finder systems. 2,495,718, Jan. 31.

Hartford National Bank and Trust Company, The, assignee: *See*—
Richards, Claude L., and Glaisher.
Van der Tuuk, Jacob H., and Smit.
Warmolts, Nicolaas.

Harvel Corporation, The, assignee: *See*—
Dawson, Charles R., and Wasserman.

Harvey, Robert P., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,495,931, Jan. 31.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Center pin for body and truck bolsters. 2,495,932, Jan. 31.

Hasely, Joe R., Rock Springs, Wyo. Animal trap. 2,495,894, Jan. 31.

Hasselbaum, Oscar H., Arlington, assignor to Joseph Poliak Corporation, Dorchester, Mass. Electrical connector. 2,496,208, Jan. 31.

Hastings Manufacturing Company, assignee: *See*—
Olsen, Ernest R., Flora, and Lonnee.

Hausch, Douglas C.: *See*—
Purcell, Glenn, and Hausch.

Hausman, Joseph G., Cincinnati, Ohio. Invalid equipment. 2,495,968, Jan. 31.

Hawaiian Pineapple Company, Limited, assignee: *See*—
Eguchi, George M., and Wells.

Haseltine Research, Inc., assignee: *See*—
Brunn, Robert R. J.
Loughlin, Bernard D.

Heftler, Paul, Grosse Pointe Park, Mich. Brake and spring suspension linkage. 2,495,719, Jan. 31.

Heinrich, August H., Euclid, assignor to Auto-Diesel Piston Ring Company, Cleveland, Ohio. Piston ring. 2,496,048, Jan. 31.

Hemming, Harold, Dedham, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Ventilating system for overhead crane cabs. 2,496,209, Jan. 31.

Henderson, Ray M., Denver, Colo. Ice-making machine. 2,496,210, Jan. 31.

Henry, Robert L., Jr., Knoxville, Tenn. Overload indicating safety switch. 2,496,049, Jan. 31.

Herkenhoff, Earl C., Longmont, Colo., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of iron ores, including use of alkali phosphate. 2,496,050, Jan. 31.

Hervert, George L., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Fluid circulating device. 2,495,895, Jan. 31.

Hesson, James C.: *See*—
Voss, Walter W., Getz, and Hesson.

Hesson, James C., assignor to Cardox Corporation, Chicago, Ill. Hand fire extinguisher. 2,496,160, Jan. 31.

Hester, William F.: *See*—
Craig, W. E., and Hester.

Heymann, Roy D., New Hartford, Conn., assignor, by mesne assignments, to Animal Trap Company of America, Lititz, Pa. Hunter's decoy. 2,495,720, Jan. 31.

Heymann, Roy D., New Hartford, Conn., assignor to Animal Trap Company of America, Lititz, Pa. Hunter's decoy. 2,495,721, Jan. 31.

Hibben, George N., trustee, assignee: *See*—
Comstock, George F., and Frost.
Porter, Frank R.

Hildmann, William B., assignor to Brock & Rankin, Chicago, Ill. Automatic thread cutter and register means for book sewing machines. 2,496,211, Jan. 31.

Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Positioning the specimen stage of optical apparatus. 2,496,051, Jan. 31.

Hindle, Walter H., Allentown, Pa., assignor to Celanese Corporation of America. Dyeing organic acid ester of cellulose textile materials with an aqueous solution of a normally acid-fading dyestuff, lower aliphatic alcohol, thiocyanate, and alkali metal hydroxide. 2,495,810, Jan. 31.

Hinds, Reinhard P. H., Chislehurst, England. Electric switch. 2,496,092, Jan. 31.

Hoffman, Ross B., Glen Ridge, and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Distance indicating system. 2,495,722, Jan. 31.

Hoffman, William F., Paducah, Tex. Portable air conditioner. 2,495,969, Jan. 31.

Hollmann, Hubert Q., Riverside, Ill. Hoist. 2,495,811, Jan. 31.

Holt, Charles O., assignor to The American Hardware Corporation, New Britain, Conn. Diameter measuring device. 2,496,212, Jan. 31.

Hope, John E., San Bernardino, Calif. Tension test device for human hair. 2,496,053, Jan. 31.

Hopeman, Albert A., Jr., and J. A. Bohnsack, Waynesboro, Va., assignors to Hopeman Bros., Inc., New York, N. Y. Convertible bed and seat. 2,496,006, Jan. 31.

Hopeman Bros., Inc., assignee: *See*—
Hopeman, Albert A., Jr., and Bohnsack.

Hopkins, Cecil R., Glasgow, Scotland. Electric heater for windscreens and windows. 2,496,161, Jan. 31.

Hormann, Harold A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Liquid phase cracking of hydrocarbons with water-saturated catalysts. 2,495,723, Jan. 31.

Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,495,844, Jan. 31.

Hornik, Roland G., Cedarburg, and S. E. Wood, Thiensville, Wis. Double propeller for stirring paints. 2,496,007, Jan. 31.

Horton, George T., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Elevated tank. 2,495,724, Jan. 31.

Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse correcting repeater. 2,495,725, Jan. 31.

Hose, Alfred G., Lakewood, and D. C. Dilley, Shaker Heights, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven wire fabric. 2,496,052, Jan. 31.

Houdry Process Corporation, assignee: *See*—
Hormann, Harold A.
Mills, George A., and Cornelius.
Strader, Leroy F.

Houghton, Leslie W., and D. M. Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Frequency dividing arrangement. 2,495,726, Jan. 31.

Hoyler, Cyril N., Princeton, N. J., assignor to Radio Corporation of America. Bell-jar vacuum evaporator. 2,496,054, Jan. 31.

Hubbert, B. H., & Son, Inc., assignee: *See*—
Laws, Robert B.

Huff, Harold I., Los Angeles, Calif. Carbon cooler for arc lamps. 2,495,970, Jan. 31.

Hulman, Julius: *See*—
Beaman, Bernard, Hulman, and Stein.

Huntley, Wilson C., and K. S. Wright, Portland, Oreg. Fishing lure. 2,496,213, Jan. 31.

Hurt, William V., Monrovia, Ind. Seeder attachment for tractors. 2,496,162, Jan. 31.

Hutchinson, Henry P., Washington, D. C. Speech privacy apparatus. 2,495,727, Jan. 31.

Hutchinson, Paul R., Rochester, N. Y. Lawn mower blade. 2,495,812, Jan. 31.

Hutson, Canfield, J. C. Kidd, and C. E. Blair, Cumberland, Md., assignors to Celanese Corporation of America. Composition for removing paint and varnish from coated surfaces. 2,495,728, Jan. 31.

Hutson, Canfield, J. C. Kidd, and C. E. Blair, Cumberland, Md., assignors to Celanese Corporation of America. Removing coatings from surfaces. 2,495,729, Jan. 31.

Huyser, Hendrik W.: *See*—
Overhoff, Johan, and Huyser.

Hydraulic Equipment Company, assignee: *See*—
Stephens, William T.

Ide, John M., Washington, D. C. Underwater sound generator. 2,495,730, Jan. 31.

International Standard Electric Corporation, assignee: *See*—
Asker, Gosta F.
Bracke, Oscar J. J., and Lens.
Deakin, Gerald.
Devaux, Lucien.
Girard, Jean M.
Hardy, René.
Houghton, Leslie W., and Ambrose.
Montgomery, William A.
Reeves, Alec H.
Weston, Jeffrey D.

Iselin, John F., Indianapolis, Ind. Tool for perforating glass tile. 2,495,971, Jan. 31.

Isthmian Metals, Inc., assignee: *See*—
Rice, Richard E.

Iwata, James M., Northridge, Calif. Stacked jar container with self-locking top and bottom. 2,496,093, Jan. 31.

Jablon, Theodore M., New York, N. Y. Mounting for transparency slides. 2,496,008, Jan. 31.

Jacobson, Henning W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of a 2-substituted-5-oxopyrrolidine. 2,496,163, Jan. 31.

Jansen, Eugene F.: *See*—
Lewis, James C., and Jansen.

Jefferson, George D., Kennett Square, Pa., and R. D. Fine, Merchantville, N. J., assignors to Atlas Powder Company, Wilmington, Del. Textile sizing composition. 2,495,845, Jan. 31.

Jeffries, Le Roy J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Snare drum. 2,495,896, Jan. 31.

Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel resistant to leaded fuels at high temperatures. 2,495,731, Jan. 31.

Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. Internal-combustion engine valve. 2,496,245, Jan. 31.

Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. High-temperature article. 2,496,246, Jan. 31.

Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. High-temperature article. 2,496,247, Jan. 31.

Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. Internal-combustion engine valve. 2,496,248, Jan. 31.

Jessen, Le Roy S., Dayton, Ohio. Tow cable cutter. 2,495,732, Jan. 31.

Jewish Hospital of Brooklyn Research Foundation, Inc., The, assignee: *See*—
Natelson, Samuel, Kramer, and Tekel.

Johnson, Bernard: *See*—
Foster, Henry C., and Johnson.

Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Sequence switch device. 2,496,164, Jan. 31.

Johnson, Ernest O., Haddonfield, N. J., assignor to Radio Corporation of America. Mounting television receiving antennas. 2,495,972, Jan. 31.

Johnson, John M., Saco, Maine. Combined mop and wringer head. 2,495,846, Jan. 31.

Johnson, Roy W., Milwaukee, Wis. Pilot fuel flow control. 2,496,214, Jan. 31.

Johnson, Victor E., Royal Oak, Mich. Folding leg for furniture. 2,496,094, Jan. 31.

Jones, Benjamin R., assignor to Fisher Governor Company, Marshalltown, Iowa. Diaphragm motor for valves. 2,496,215, Jan. 31.

Jones, Griffith, Anderson, Ind. Venetian blind. 2,495,973, Jan. 31.

Jones, James C.: *See*—
Eaves, John, Jr., and Jones.

Jones, Jonathan, Bethlehem, Pa., assignor to Bethlehem Steel Company. Truck for turntables. 2,495,813, Jan. 31.

Junca, Madeleine: *See*—
Dupeyron, Madeleine, née Junca.

Junker, William O.: *See*—
Lee, William F., and Junker.

Kalimann, Heins E., New York, N. Y. Combined tube socket and by-pass condenser. 2,496,095, Jan. 31.

Kaminski, Mary A., Lackawanna, N. Y. Baby carrier. 2,496,216, Jan. 31.

Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio-frequency artificial load. 2,495,733, Jan. 31.

Katzman, Jacob, and P. Dubilier, New York, N. Y. Electrical connecting lugs. 2,495,734, Jan. 31.

Kearny, Cresson H., San Antonio, Tex. Harpoon gun. 2,496,217, Jan. 31.

Kelar, Joseph, Lancaster, Pa., assignor to Radio Corporation of America. Electron gun for cathode-ray tubes. 2,496,127, Jan. 31.

Keller, Martin W., assignor of thirty-three and one-third per cent to B. Pearson, and thirty-three and one-third per cent to S. Haley, Pine Bluff, Ark. Door check and closer. 2,496,166, Jan. 31.

Kelley, Clifford H., Chattanooga, Tenn. Rotary measuring device. 2,495,974, Jan. 31.

Kelley, Edmund S., Lincolnton, Ga. Fishing game. 2,496,096, Jan. 31.

Kelly, Norval R., Great Neck, N. Y., assignor to Radio Corporation of America. Preplanning device to indicate a camera field. 2,495,975, Jan. 31.

Kemp, Julie, Cincinnati, Ohio. Combined lighter and heated inhalator. 2,495,897, Jan. 31.

Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. Preparing lower alkyl esters of 3-hydroxy-11-keto-12-bromonorcholanic acid. 2,495,735, Jan. 31.

Kenmore, Herbert: *See*—
Camin, Etienne L. A., and Kenmore.

Kenmore Metals Corporation, assignee: *See*—
Camin, Etienne L. A., and Kenmore.

Kent, Donald W., assignee: *See*—
Seifert, William C.

Kerr, Kenneth W., Dayton, Ohio, assignor to United States Rubber Company, New York, N. Y. Honeycomb elastic fabric. 2,495,847, Jan. 31.

Kettler, Alfred H.: *See*—
Anderson, Leslie J., and Kettler.

Kidd, James C.: *See*—
Hutson, Canfield, Kidd, and Blair.

Kieffer, Jean, Norwich, Conn. Method and apparatus for determining radiation dosage. 2,496,218, Jan. 31.

Kiesel, Bernhard F., Detroit, Mich., assignor of one-half to B. K. Kiesel. Spring clip. 2,495,848, Jan. 31.

Kiesel, Bertha K., assignee: *See*—
Kiesel, Bernhard F.

King, Vernon B., Woodstock, Ontario, Canada. Unloading apparatus for vehicles. 2,495,898, Jan. 31.

King, Vernon B., Woodstock, Ontario, Canada. Brake applying mechanism for rocking wheel vehicles. 2,495,933, Jan. 31.

King, Walter R., Torrance, Calif. Housekeeping, turtleback trailer. 2,496,055, Jan. 31.

Kinnear Manufacturing Co., The, assignee: *See*—
Greegor, Ralph H.

Kishline, Floyd F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Resilient mounting. 2,496,219, Jan. 31.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Domestic refrigerating unit. 2,496,220, Jan. 31.

Kling Bros. Engineering Works, assignee: *See*—
Mikshel, John J.

Knox, Charles E., Jr., Enid, Okla. Pipe coupling. 2,496,167, Jan. 31.

Koch, Edward G., Baldwin, N. Y. Display device. 2,496,221, Jan. 31.

Kolb, George D., Baltimore, Md. Saltcellar. 2,495,899, Jan. 31.

Kolvoort, Egbert C. H., and G. Akkerman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Continuous process for emulsion polymerization of unsaturated compounds. 2,496,222, Jan. 31.

Kondrath, Andrew D., Leyden, Ill. Phonograph needle. 2,495 934, Jan. 31.

Koppers Company, Inc., assignee: *See*—
Corson, Ben B., and Webb.
Powell, Alfred R.

Kozarian, Ruben: *See*—
Warnick, Alan, and Kozarian.

Kramer, Benjamin: *See*—
Natelson, Samuel, Kramer, and Tekel.

Krasnow, Shelley, Arlington County, Va., and L. F. Curtiss, Montgomery County, Md., assignors, by mesne assignments, to said Krasnow. Radiant energy activation. 2,495,736, Jan. 31.

Kreeger, Fred R., Shaker Heights, Ohio. Children's vehicle. 2,495,935, Jan. 31.

Kris, Samuel, Denver, Colo. Sofa. 2,495,849, Jan. 31.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Reaction products of an aldehyde and a triazine derivative. 2,496,097, Jan. 31.

Kuehn, Jack W., Minneapolis, Minn. Recovering meal particles from peanut skins. 2,496,009, Jan. 31.

Kuljian, Harry A., Merion, Pa. Apparatus for manufacture or treatment of thread. 2,495,936, Jan. 31.

Kvetinskas, Bruno: *See*—
Pines, Herman, and Kvetinskas.

Labin, Emile, New York, D. D. Grieg, and A. M. Levine, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio locating and signaling system. 2,495,737, Jan. 31.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray pulse time modulation multiplex system. 2,495,738, Jan. 31.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Selectable band width electrical pulse multichannel communication system. 2,495,739, Jan. 31.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Magnetostrictive time-delay device. 2,495,740, Jan. 31.

Labin, Emile, and M. C. Poyio, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Periodically varying reactance device. 2,495,741, Jan. 31.

Laboratories, E. A., Inc., assignee: *See*—
Aufiero, John M.

La Grande, Vito, Westfield, N. J. Railroad switch. 2,496,098, Jan. 31.

Lannerd, Paul U., Indianapolis, Ind. Multiple disk phonograph. 2,496,056, Jan. 31.

Lanzisera, Joseph C., Brooklyn, N. Y. Poultry plucker. 2,496,223, Jan. 31.

Lawlor, Joseph P., Ames, Iowa. Water-treating process and apparatus. 2,495,937, Jan. 31.

Lawrence, Donald M., Newark, assignor to Bendix Aviation Corporation, Teterboro, N. J. Lubricant metering system. 2,495,976, Jan. 31.

Lawrence, Marion E., assignor to H. E. Farr, Long Beach, Calif. Line tightener. 2,496,249, Jan. 31.

Laws, Robert B., Lancaster, Pa., assignor to B. H. Hubbert & Son, Inc., Baltimore, Md. Sleeve valve. 2,495,900, Jan. 31.

Learned, Charles G., and E. L. Cull, assignors to The Okadee Company, Chicago, Ill. Blowoff valve mechanism. 2,495,901, Jan. 31.

Lebedeff, Michael N., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal support for floating roof tanks. 2,495,742, Jan. 31.

Lee, William F., and W. O. Junker, Spartanburg, S. C.; said Lee assignor to said Junker. Two-piece double dog for roving machines. 2,496,168, Jan. 31.

Lens, Georges X.: *See*—
Bracke, Oscar J. J., and Lens.

Leto, Frank, Los Angeles, Calif. Center locator. 2,496,099, Jan. 31.

Levine, Arnold M.: *See*—
Labin, Emile, Grieg, and Levine.

Lewis, James C., and E. F. Jansen, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Alcohol derivatives of subtilin. 2,495,743, Jan. 31.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Extracting aromatic hydrocarbons. 2,495,850, Jan. 31.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Desulfurization of organic substances. 2,495,851, Jan. 31.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, Chicago, and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Decolorizing organic substances. 2,495,852, Jan. 31.

Lifton, Samuel H., New York, N. Y. Composite overnight and brief case. 2,496,128, Jan. 31.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brakehead arrangement. 2,496,250, Jan. 31.

Lindgren, Hugo, Jamestown, N. Y. Sink and drainboard structure. 2,495,853, Jan. 31.

Lindsay Wire Weaving Company, The, assignee: *See*—
Hose, Alfred G., and Dilley.

Litton, Charles V., Redwood City, Calif. Reactance tuning device. 2,495,744, Jan. 31.

Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Small turbine generator. 2,495,745, Jan. 31.

Lochman, Emil R., Milwaukee, Wis. Variable pitch propeller. 2,496,169, Jan. 31.

Lockheed Aircraft Corporation, assignee: *See*—
Soukup, George J.

Lockley Machine Company, assignee: *See*—
Richards, Archer W.

Lombard, Bernard W.: *See*—
Lombard, Charles S. and B. W.

Lombard, Charles S. and B. W., North Baltimore, Ohio. Ladder bracket. 2,496,057, Jan. 31.

Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Electrical musical instrument. 2,496,224, Jan. 31.

Lonnee, Clifford J.: *See*—
Olsen, Ernest R., Flora, and Lonnee.

Lotters, Fred H., Albany, N. Y., assignor to Mohawk Brush Company. Hairbrush with adjustable bristle head. 2,496,010, Jan. 31.

Lotskar, Harry: *See*—
Owens, Harry S., and Lotskar.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Signal generator. 2,495,938, Jan. 31.

Lubin, George, New York, N. Y. Thermal distortion measuring machine. 2,495,746, Jan. 31.

Lundburg, Frank J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,495,747, Jan. 31.

Lustig, Hans G.: *See*—
Roughsedge, Robert H., and Lustig.

Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Repositioner machine. 2,495,939, Jan. 31.

Maciejowski, John J.: *See*—
Reinhold, Frank W., and Maciejowski.

Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Permeability tuner. 2,496,058, Jan. 31.

Maclay, William D.: *See*—
Owens, Harry S., McCready, and Maclay.

Macvan Manufacturing Company, assignee: *See*—
McIlroy, John H.

Madsen, Jay R., Mount Pleasant, Utah. Gunstock ammunition container. 2,495,977, Jan. 31.

Mann, Carl P., Riverton, N. J., assignor to Selas Corporation of America, Philadelphia, Pa. Producing investment molds. 2,496,170, Jan. 31.

Manufacture de Caoutchouc Michelin (Pulseux, Boulanger & Cie) Clermont-Ferrand, assignee: *See*—
Bourdon, Pierre M.

Marathon Corporation, assignee: *See*—
Farrell, Robert A.

Marburg, Edgar, Pittsburgh, Pa. Low alloy steel containing titanium. 2,495,854, Jan. 31.

Marcantonio, Daniel L., Westport, assignor to The Rayflex Company, Incorporated, Bridgeport, Conn. Knife sharpener. 2,495,814, Jan. 31.

Marcoe, Reuben J., assignor to Furblo Company, Hermansville, Mich. Turbine impeller wheel. 2,495,855, Jan. 31.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Markusen, David L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,495,856, Jan. 81.

Marmon-Harrington Company, Inc., assignee: *See*—
Wallace, Robert C.

Marques, Jose, Casas Novas, Sao Joao de Areias, Santa Combs Dao, Portugal. Automatic stabilizer for airplanes. 2,496,100, Jan. 31.

Marti, Fritz, La Chaux-de-Fonds, Switzerland. Electrical movement for timekeepers. 2,495,858, Jan. 31.

Martin, Glenn L., Company, The, assignee: *See*—
Matson, Carroll H.

Massare, Quido P., Windham, Ohio. Liquid fuel burning heater and damper control. 2,495,857, Jan. 31.

Massey, George B., Chicago, Ill. Deepwater dredge. 2,496,101, Jan. 31.

Matson, Carroll H., assignor to The Glenn L. Martin Company, Middle River, Md. Antenna installation on airplanes. 2,495,748, Jan. 31.

Matthews, William H.: *See*—
Ward, Robert N., and Matthews.

Maxwell, Willard A., Portland, Oreg. Opposed piston engine, four cycle. 2,495,978, Jan. 31.

Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Control circuit for railroad passenger entertainment systems. 2,495,749, Jan. 31.

McCord, Willis I., Little Falls, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Stroboscopic projection of intermittent film on television cameras. 2,496,102, Jan. 31.

McCready, Rolland M.: *See*—
Owens, Harry S., McCready, and Maclay.

McDowell & Torrence Lumber Company, The, assignee: *See*—
Haines, Malcolm E.

McGehee Company, assignee: *See*—
McGehee, Wallace L.

McGehee, Wallace L., assignor to McGehee Company, Kansas City, Mo. Ventilated drum for dehydrators. 2,496,225, Jan. 31.

McIlroy, John H., assignor to Macvan Manufacturing Company, San Diego, Calif. Twin lens reflex camera. 2,496,059, Jan. 31.

McKeague, Arthur L., Staten Island, N. Y., assignor to Syncro Machine Company, Perth Amboy, N. J. Dumb waiter door and cam operator. 2,495,902, Jan. 31.

McSparran, William F., Jr., Kennett Square, Pa. Parking brake actuator and control. 2,495,979, Jan. 31.

Meierjohan, Ernest, Cincinnati, Ohio. Fishing rod handle. 2,495,980, Jan. 31.

Mell, Clifford W., and E. C. Ballentine, Moorestown, N. J., and J. V. O'Neill, Willow Grove, Pa., assignors to Radio Corporation of America. Submarine signaling device covered with waterproof vibration damping shield. 2,496,060, Jan. 31.

Melpar, Inc., assignee: *See*—
Butts, Robert S.

Menneason, Marcel, assignor to Societe d'Appareils de Controle et d'Equipement des Moteurs (S. A. C. E. M.), Neuilly-sur-Seine, France. Frame for bicycles. 2,495,859, Jan. 31.

Mercier, Robert, assignor to Fondation dite: Groupement Francais pour le Developpement des Recherches Aeronautiques, Paris, France. Mechanical movement. 2,495,815, Jan. 31.

Messmore, George H., New York, N. Y. Transparent-effect display. 2,496,171, Jan. 31.

Meyers, J. J., assignee: *See*—
Bellinghausen, John.

Mikshel, John J., assignor to Kling Bros. Engineering Works, Chicago, Ill. Door swinging and latching mechanism for garment cylinders. 2,496,011, Jan. 31.

Miiazzo, Joseph, New York, N. Y. Current collecting construction. 2,495,750, Jan. 31.

Miller, Harry G., West Allis, and C. E. Brophy, Wauwatosa, Wis. Ventilating system for Diesel houses. 2,495,816, Jan. 31.

Miller, Joseph C., Compton, assignor to Coast Envelope Company, Los Angeles, Calif. Checkbook cover and making same. 2,495,940, Jan. 31.

Miller, Moses, Brooklyn, N. Y. Automobile door safety locking device. 2,495,860, Jan. 31.

Miller, Thomas C.: *See*—
Flint, Einar P., Miller, and Douglass.

Mills, George A., Ridley Park, and E. B. Cornelius, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Conversion of hydrocarbons with modified clay catalysts. 2,495,751, Jan. 31.

Miner, Carroll R., Stratford, Conn., assignor to General Electric Company. Remote-control system. 2,495,917, Jan. 31.

Miner, Charles H., Denver, Colo. Variable-speed clutch pulley. 2,496,061, Jan. 31.

Miner, W. H., Inc., assignee: *See*—
Dentler, Arnold E.
Haseltine, Stacy B.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Markusen, David L.
Newton, Alwin B.

Mohawk Brush Company, assignee: *See*—
Lotters Fred H.

Mondolfo, Lucio F., Sea Cliff, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Electroplating copper on aluminum. 2,495,941, Jan. 31.

Montgomery, William A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for measuring electric power. 2,495,752, Jan. 31.

Moore, Alvin F., Monroe, assignor to Woodall Industries Incorporated, Detroit, Mich. Sun visor. 2,496,129, Jan. 31.

Moore, Samuel, & Company, assignee: *See*—
Austin, Dwight E.

Moorman, Charles L., Millington, Ill., assignor to Union Asbestos & Rubber Company. Convertible bulkhead. 2,495,903, Jan. 31.

Morey, Glen H., Terre Haute, Ind. Electrical heater and manufacturing it. 2,496,012, Jan. 31.

Morfesi, Eugene S., Flushing, N. Y. Meat holder. 2,496,062, Jan. 31.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y.; L. H. Morin, executor of said D. Marinsky, deceased. Casting separable fastener stringers. 2,496,130, Jan. 31.

Morin, Louis H., Bronx, and O. Gries, New Rochelle, N. Y., said Gries assignor of one-half to Crown Fastener Corporation, Warren, R. I. Method and apparatus for forming and trimming die castings. 2,496,131, Jan. 31.

Mottern, Henry O., Hillside, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Alcohol process. 2,496,251, Jan. 31.

Mozley, Robert F.: *See*—
Shepherd, James E., and Mozley.

Mozley, Robert F., Hempstead, N. Y., assignor to The Sperry Corporation. Ground target elimination. 2,495,753, Jan. 31.

Mural, Frank, New York, N. Y., assignor to Radio Corporation of America. Automatic tuning circuit for radio receivers. 2,496,063, Jan. 31.

Murrian, John H., executor: *See*—
Fulton, Weston M.

Myers, Hubert A., assignor to The Toledo Steel Tube Company, Toledo, Ohio. Piercing cutoff machine. 2,496,013, Jan. 31.

Myers, Robert R., Des Moines, Iowa. Apparatus for forming thermoplastic molds for use in electrotyping. 2,496,014, Jan. 31.

Nance, Clarence R., U. S. Navy. Salvage valve. 2,495,754, Jan. 31.

Nash-Kelvinator Corporation, assignee: *See*—
Fishline, Floyd F.

Natelson, Samuel, and B. Kramer, Brooklyn, N. Y., and R. Tekel, Chicago, Ill., assignors to The Jewish Hospital of Brooklyn Research Foundation, Inc., Brooklyn, N. Y. Certain iodinated hydroxyphenyl cycloalkyl carboxylic acids. 2,496,064, Jan. 31.

National Geographic Society, assignee: *See*—
Bumstead, George N.

National Stamping & Plating Corporation, assignee: *See*—
Slauson, Stephen A.

National Steel Corporation, assignee: *See*—
Spaulding, William D., and Wasserkrug.

Nave, Alfred E.: *See*—
Norrish, John W., and Nave.

Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoe, assignee: *See*—
Van Dijck, Willem J. D., and Ginsel.

Nelsen, Anton M., North Platte, Nebr. Safety support for brake beams. 2,496,015, Jan. 31.

Nelson, Paul D., Turlock, Calif. Concrete stave making machine. 2,496,016, Jan. 31.

Neufeld, Jacob, Tulsa, Okla. Indexing and speed control system for magnetic reproducers. 2,496,103, Jan. 31.

Newell, Cameron B., St. Paul, and E. R. Vincent, Minneapolis, Minn. Grinder for material in suspension. 2,496,017, Jan. 31.

Newton, Alwin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. All year conditioning apparatus. 2,495,861, Jan. 31.

Noblitt-Sparks Industries, Inc., assignee: *See*—
Booth, Earl C.

Norrish, John W., Lockland, and A. E. Nave, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Refrigerator cabinet construction. 2,496,252, Jan. 31.

Nosik, William A., Cleveland Heights, Ohio. Multiple chamber containeer. 2,495,942, Jan. 31.

Nuproducts Corporation, assignee: *See*—
Smith, Roland L.

Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Plow hitch. 2,495,818, Jan. 31.

O'Hearn, Francis T., Lowell, assignor to Sylvania Electric Products Inc., Salem, Mass. Electric discharge lamp. 2,496,065, Jan. 31.

Ohio Crankshaft Company, The, assignee: *See*—
Strickland, Harold A., Jr.
Warnick, Alan, and Kozarian.

Ohio Ferro Alloys Corporation, assignee: *See*—
Vignon, James C.

Okadee Company, The, assignee: *See*—
Learned, Charles G., and Cull.

Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Centrifugal mold and liner. 2,495,817, Jan. 31.

O'Neill, James V.: *See*—
Mell, Clifford W., Ballentine, and O'Neill.

Orr, Clifford M., and F. L. Goldsby, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Seal for floating roof tanks. 2,495,755, Jan. 31.

Orvedahl, Walter, assignor to Control Devices, Inc., Santa Fe, N. Mex. Spiral thermostatic switch. 2,495,819, Jan. 31.

Osborn, Emery S., Auburn, N. Y. Building construction of predetermined characteristics. 2,495,862, Jan. 31.

Overhoff, Johan: *See*—
Eilers, Herman, Overhoff, and Vlugter.

Overhoff, Johan, and H. W. Huyser, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of dispersions of reaction products of halogenated paraffins and alkaline polysulfides. 2,496,226, Jan. 31.

Owens, Harry S., R. M. McCready, and W. D. Maclay, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Neutralizing pectinic acid. 2,495,756, Jan. 31.

Owens, Harry S., Berkeley, and H. Lotskar, Los Angeles, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Low-methoxyl polyvalent metal pectinate fibers. 2,495,757, Jan. 31.

Package Machinery Company, assignee: *See*—
Lyon, Norman W.

Paige, Julius J., Brooklyn, N. Y. Waterproof shield for men's undergarments. 2,495,863, Jan. 31.

Paine, Wilbur V.: *See*—
Smith, Lester C., and Paine.

Palmer, Albert, Worcester, and O. V. Payne, Leicester, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam for looms. 2,496,228, Jan. 31.

Paner, Elmer F., Detroit, Mich. Hydropneumatic pressure booster and welding gun. 2,496,104, Jan. 31.

Parke, Davis & Company, assignee: *See*—
Rieveschl, George, Jr., and Fleming.

Parker, Alfred G., Summit, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Welding jig. 2,495,758, Jan. 31.

Parkerson, William, Chicago, Ill. Overload indicator for electrical circuits. 2,495,981, Jan. 31.

Parkhurst, Malcolm K., New York, N. Y., assignor to Control Products, Inc., Harrison, N. J. Thermal switch. 2,496,229, Jan. 31.

Paschke, Herbert, Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Cork composition and making. 2,495,759, Jan. 31.

Patents Inc., assignee: *See*—
Colquitt, Odie.

Payne, Oscar V.: *See*—
Palmer, Albert, and Payne.

Pearce, William L., Houston, Tex. Pipe holding slip. 2,496,172, Jan. 31.

Pearson, Ben, assignee: *See*—
Keller, Martin W.

Pearson, Oscar H., Lake Villa, Ill. Shear. 2,496,018, Jan. 31.

Pearson, Rolland F., Brooklyn, N. Y. Telemetric system. 2,496,105, Jan. 31.

Peebles, Chad A., Newaygo, Mich. Adjustable appliance plug. 2,496,173, Jan. 31.

Peel, Wirt D., Oakland, Calif. Fruit feeding and orienting machine. 2,496,019, Jan. 31.

Pekich, Michael J., Brooklyn, N. Y. Smoke consumer for locomotives. 2,495,864, Jan. 31.

Pence, William A., Adell, assignor to Enger-Kress Company, West Bend, Wis. End closure means for billfolds. 2,496,174, Jan. 31.

People in the Territory of the United States, dedicated to the free use of the, assignee: *See*—
Cain, Hubert C.

Pepper, Delmar E., assignor of one-fourth to H. V. Plunkett and H. V. Plunkett, Jr., Austin, Minn. Automatic circuit breaker and contactor. 2,496,020, Jan. 31.

Peretti, Yolanda, and G. Caccivio, New York, N. Y. Shoe construction. 2,495,820, Jan. 31.

Perkins, Ronald R., Dallas, Tex. Popcorn machine. 2,495,865, Jan. 31.

Perry, Alfred A., and C. E. Brown, Syracuse, N. Y., said Brown assignor to said Perry. Knife case. 2,495,866, Jan. 31.

Perry, Murle, Minneapolis, Minn. Stoma receiver. 2,496,175, Jan. 31.

Petcar Research Corporation, assignee: *See*—
Peters, Melville F.

Peters, Melville F., assignor to Petcar Research Corporation, Newark, N. J. Manufacturing fire detector and like elements. 2,495,867, Jan. 31.

Peterson, Albert C., Park Ridge, assignor to Union Special Machine Company, Chicago, Ill. Worktable supporting structure. 2,496,230, Jan. 31.

Peterson, Dorothy B., Seattle, Wash. Device for curling hair for permanent waves. 2,496,066, Jan. 31.

Peterson, Earl K., Valley City, N. Dak. Truck. 2,495,943, Jan. 31.

Philco Corporation, assignee: *See*—
Ames, Millard E., Jr.
Bradley, William E.

Phippen, Henry L., East Detroit, Mich. Surface artificial fish lure. 2,496,231, Jan. 31.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Goldfield, Edwin R., Stava, and Bastin, Jr.

Pierce, Eula, administratrix: *See*—
Geyer, Carl F.

Pierotti, Gino J.: *See*—
Handlos, Arthur E., and Pierotti.

Pines, Herman, and B. Kvetinskas, assignors to Universal Oil Products Company, Chicago, Ill. Production of aromatic keto alcohols. 2,495,904, Jan. 31.

Pinkel, Isadore I., Cleveland, Ohio. Rotary pump for high-altitude aircraft. 2,495,760, Jan. 31.

Platt, James C., Gainesville, Ga., assignor to Chicopee Manufacturing Corporation of Georgia. Splicing sheet material. 2,495,761, Jan. 31.

Pletta, William H., Forest Park, and R. B. Freston, Oak Park, Ill. Apparatus for sampling material, such as coal. 2,495,944, Jan. 31.

Plunkett, Hugh V., assignee: *See*—
Pepper, Delmar E.

Plunkett, Hugh V., Jr., assignee: *See*—
Pepper, Delmar E.

Pogue, Charles N., Montreal, Quebec, Canada. Liquid transferring apparatus. 2,495,905, Jan. 31.

Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic sound-track printing. 2,495,821, Jan. 31.

Pollak, Joseph, Corporation, assignee: *See*—
Hasselbaum, Oscar H.

Porter, Frank R., Crown Point, Ind., assignor, by mesne assignments, to G. N. Hibben, Chicago, Ill., as trustee. Enameled article. 2,495,762, Jan. 31.

Porter, Frank R., Crown Point, Ind., assignor to G. N. Hibben, Chicago, Ill., as trustee. Enameled articles. 2,495,837, Jan. 31.

Porter, Glen H., Santa Ana, Calif. Ball operated climbing toy. 2,495,982, Jan. 31.

Porter, William E., Tacoma, Wash. Hand carried seed and fertilizer spreader. 2,495,906, Jan. 31.

Potter, Elbert R., assignor of one-half to N. E. Drabb, San Francisco, Calif. Hair drier. 2,496,232, Jan. 31.

Powell, Alfred R., assignor to Koppers Company, Inc., Pittsburgh, Pa. Coking process. 2,495,763, Jan. 31.

Power, Augustine, New York, N. Y. Putty gun. 2,496,233, Jan. 31.

Power, James T., assignor to Atlas Powder Company, Wilmington, Del. Detonator. 2,495,868, Jan. 31.

Powers, George V., Great Bend, Kans. Valve. 2,496,176, Jan. 31.

Powers-Samas Accounting Machines Limited, assignee. *See*—
Thomas, Arthur, and Gausden.

Poylo, Michel C.: *See*—
Labin, Emile, and Poylo.

Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,496,132, Jan. 31.

Prosser, Thomas W.: *See*—
Prosser, Joseph G. and T. W.

Purcell, Glenn, Hillsdale, N. J., and D. C. Hausch, Jackson Heights, N. Y., assignors to Shell Development Company, San Francisco, Calif. Production of xylenes. 2,496,253, Jan. 31.

Radio Corporation of America, assignee: *See*—
Anderson, Leslie J., and Kettler.
Biancha, Felix C.
Bliss, Warren H.
Fermaier, George L.
Goddard, De Witt R.
Graham, George K.
Hillier, James.
Hoyler, Cyril N.
Johnson, Ernest O.
Kelar, Joseph.
Kelly, Norval R.
Mackey, Donald.
Meil, Clifford W., Ballentine, and O'Neill.
Mural, Frank.
Rosenthal, Fritz.
Sachtleben, Lawrence T.
Schock, Robert E.
Spencer, James A.
Wald, Sidney.
Wentworth, Chandler.

Ransom, Walter W., Moline, Ill. Apparatus for removing rubber and the like from bodies to which affixed. 2,495,764, Jan. 31.

Rash, James T., assignor to Rash and Johnson Manufacturing Co., Elma, Wash. Counting and registering device for punchboards. 2,495,945, Jan. 31.

Rash and Johnson, Manufacturing Co., assignee: *See*—
Rash, James T.

Rauscher, Albert B., Parnassus, Pa. Engine timing device. 2,495,765, Jan. 31.

Rayflex Company, Incorporated, The, assignee: *See*—
Marcantonio, Daniel L.

Raytheon Manufacturing Company, assignee: *See*—
Blume, Carl T.

Reade, Ralph B., Larchmont, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beacon system. 2,495,766, Jan. 31.

Reed, Jess M., Inglewood, Calif. Voltage multiplying circuits, including a switch therefor. 2,496,021, Jan. 31.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric pulse modulator. 2,495,768, Jan. 31.

Reeves, Clarence E., Chicago, Ill. Dial impulse recorder. 2,495,769, Jan. 31.

Reid, John D., and G. C. Daul, New Orleans, La., assignors to The United States of America as represented by the Secretary of Agriculture. Preparation of fibers from carboxymethyl-cellulose. 2,495,767, Jan. 31.

Reinhold, Frank W., Beverly, and J. J. Maciejowski, Ipswich, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Firing mechanism for use in armed mounts. 2,495,822, Jan. 31.

Reinking, Walter H., Sumner, Iowa. Power take-off grain and forage unloader. 2,495,907, Jan. 31.

Remington Rand Inc., assignee: *See*—
Ferry, John T.

Remonte, John, Corsicana, Tex. Electric lawn mower. 2,496,022, Jan. 31.

Research Corporation, assignee: *See*—
Kendall, Edward C.

Reynolds Metals Company, assignee: *See*—
Mondolfo, Lucio F.

Rice, A. H., Company, assignee: *See*—
Boyer, William C.

Rice, Richard E., Winthrop, assignor to Isthmian Metals, Inc., Boston, Mass. Pressing of articles from metal powder. 2,495,823, Jan. 31.

Rich, Gerald C., Manhasset, N. Y., assignor to Sylvania Electric Products Inc. Thermionic discharge device. 2,495,908, Jan. 31.

Richards, Archer W., Chagrin Falls, Ohio, assignor to Lockley Machine Company, New Castle, Pa. Garbage comminuting apparatus. 2,495,983, Jan. 31.

Richards, Claude L., and E. J. Glaisher, London, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency determining circuits. 2,496,177, Jan. 31.

Richer, Ella, administratrix: *See*—
Richer, Joseph R.

Richer, Joseph R., deceased, Cleveland, Ohio; E. Richer, administratrix. Diametrically cooperating vane pump. 2,495,771, Jan. 31.

Rieveschl, George, Jr., and R. W. Fleming, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Beta-(2-biphenyloxy) ethyl beta-haloalkyl amines. 2,495,772, Jan. 31.

Ripke, August C., Austin, Minn. Transmission. 2,495,824, Jan. 31.

Rivet, Henry P., New York, N. Y. Lemon slicing device. 2,495,770, Jan. 31.

Roberts, Leland C., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current telegraph system. 2,495,773, Jan. 31.

Roberts, Stiles M., Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Manufacture of C-nitrosoarylamines. 2,495,774, Jan. 31.

Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles and manufacturing the same. 2,496,234, Jan. 31.

Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.

Rohm & Haas Company, assignee: *See*—
Butterbaugh, Darrel J.
Craig W E, and Hester.

Rosenthal, Fritz, Crescent Park, Borough of Bellmawr, N. J., assignor to Radio Corporation of America. Bi-phenyl derivatives and preparing them. 2,496,067, Jan. 31.

Ross, William C.: *See*—
Drown, Clifford F., Zimmerman, and Ross.

Ross, William P. V., Battle Creek, Mich., assignor, by mesne assignments, to Goss Printing Press Company, Chicago, Ill. Cross association of webs. 2,495,909, Jan. 31.

Rossi, Irving, Morristown, N. J. Continuous casting of metal slabs. 2,496,235, Jan. 31.

Roughsedge, Robert H., Ramsey, N. J., and H. G. Lustig, New York, N. Y., assignors to Celanese Corporation of America. Automatic stop-recorder. 2,495,825, Jan. 31.

Roventini, Philip C., Carson City, Nev. Fastener removal tool. 2,495,776, Jan. 31.

Roy, Edna M., Pittsburg, Calif. Sole with detachable upper. 2,495,984, Jan. 31.

Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency-modulated transmission system. 2,495,776, Jan. 31.

Rutkowski, Valentine W., Rockville Centre, N. Y. Bed guard. 2,496,068, Jan. 31.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Variable length optical system without change of magnification. 2,496,069, Jan. 31.

Sadgebury, Herman F., and R. N. Ward, assignors to The Egry Register Company, Dayton, Ohio. Manifolding attachment for typing machines. 2,495,985, Jan. 31.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,496,133, Jan. 31.

Sapp, John P.: *See*—
Sternad, Frank S., and Sapp.

Savage, W. J., Company, assignee: *See*—
Fulton, Weston M.

Scherer, R. P., Corporation, assignee: *See*—
Berg, James R.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,496,254, Jan. 31.

Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electromagnetic switch. 2,496,178, Jan. 31.

Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Locking and control circuit in a diversity telegraphy receiver. 2,495,826, Jan. 31.

Schroeder, William C., U. S. Army, Hackettstown, N. J. Pilotage computer. 2,495,777, Jan. 31.

Schroeder, William F., Chicago, Ill. Air cylinder. 2,495,869, Jan. 31.

Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mowing apparatus. 2,495,986, Jan. 31.

Schuler, Reginald G., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Synchronizing corrector circuit. 2,495,946, Jan. 31.

Schumacher, George W.: *See*—
Warrens, Hewett, and Schumacher.

Schumacher, Henry E., assignor of one-third to J. C. Thompson and one-third to A. G. Bush, Davenport, Iowa. Stylus. 2,496,023, Jan. 31.

Schwarz, Gerald L., assignor to Air Controls, Inc., Cleveland, Ohio. Fabricating blower wheels. 2,496,179, Jan. 31.

Schwendler, William T., Bethpage, and O. Erlandsen, Jr., Garden City, assignors to Grumman Aircraft Engineering Corporation, Bethpage, N. Y. Airplane wing structure. 2,496,024, Jan. 31.

Scully, Frank P., assignor to Scully Signal Company, Cambridge, Mass. Gas flow indicator. 2,496,134, Jan. 31.

Scully Signal Company, assignee: *See*—
Scully, Frank P.

Seaberg, John E., Dormont, assignor to Gulbert Steel Company, Pittsburgh, Pa. Hand bar. 2,495,987, Jan. 31.

Sedwitz, Ira M., New York, N. Y. Electric momentary switch. 2,496,135, Jan. 31.

Seifert, William C., Narberth, assignor of one-half to D. W. Kent, Whitemarsh, Pa. Device, method, and apparatus for the determination of exposure times by alternate opaque and light-transmitting bands. 2,495,778, Jan. 31.

Seifert, William C., Narberth, assignor of one-half to D. W. Kent, Whitemarsh, Pa. Determination of exposure times. 2,495,779, Jan. 31.

Selas Corporation of America, assignee: *See*—
Mann, Carl P.

Selsky, Albert, Brooklyn, N. Y. Making flock coated articles. 2,496,070, Jan. 31.

Shell Development Company, assignee: *See*—
Ellers, Herman, Overhoff, and Vlugter.
Handlos, Arthur E., and Pierotti.
Kolvoort, Egbert C. H., and Akkerman.
Overhoff, Johan, and Huyser.
Purcell, Glenn, and Hausch.

Shepherd, James E., and R. F. Mozley, Hempstead, N. Y., assignors to The Sperry Corporation. Damped shock excited variable width pulse gate generator. 2,495,780, Jan. 31.

Sheppard, William L., Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission gearing. 2,495,988, Jan. 31.

Shoemaker, Bernard H.: *See*—
Lien, Arthur P., Evering, and Shoemaker.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine with mechanism for group voting. 2,496,106, Jan. 31.

Shoup Voting Machine Corporation, The, assignee: *See*—
Shoup, Ransom F.

Sieggreen, Elmer C., Saginaw, Mich. Drier using warm air blast. 2,496,236, Jan. 31.

Silex Company, The, assignee: *See*—
Wolcott, Frank E., Jr.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Shield for well logging instruments. 2,495,781, Jan. 31.

Singer Manufacturing Company, The, assignee: *See*—
Clayton, Andrew B.

Slauson, Stephen A., assignor to National Stamping & Plating Corporation, Cedar Rapids, Iowa. Meat tenderizer. 2,495,989, Jan. 31.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype materials stabilized with an α-alkylidene-polymethylene dicarboxylic acid. 2,495,827, Jan. 31.

Smit, Johannes J.: *See*—
Van der Tuuk, Jacob H., and Smit.

Smith, Bert: *See*—
Stibbe, Edward V., and Smith.

Smith, Edward C., Aurora, Oreg. Nut rake. 2,495,947, Jan. 31.

Smith, George L., U. S. Navy. Welded reinforcement. 2,495,782, Jan. 31.

Smith, Lester C., West Hartford, and W. V. Paine, East Hartford, assignors to The Spencer Turbine Company, West Hartford, Conn. Load limiting collection apparatus. 2,496,180, Jan. 31.

Smith, Robert W., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Undercarriage for self-laying track type vehicles. 2,496,136, Jan. 31.

Smith, Roland L., Belmont, assignor to Nuproducts Corporation, Cambridge, Mass. Coffee maker. 2,496,237, Jan. 31.

Societe d'Apparells de Controle et d'Equipement des Moteurs (S. A. C. E. M.), assignee: *See*—
Mennesson, Marcel.

Societe pour le Decoupage de La Cellophane & de Toutes Matieres Similaires (S. O. D. E. C.), assignee: *See*—
Guérillot, Pierre J.

Sockell, William J., Raleigh, N. C. Slack adjuster. 2,495,990, Jan. 31.

Sorensen, Edward M., deceased, by H. S. Sorensen, administratrix, Stamford, Conn., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Load balancing system. 2,495,783, Jan. 31.

Sorensen, Helen S., administratrix: *See*—
Sorensen, Edward M.

Soukup, George J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Trim attaching device. 2,495,870, Jan. 31.

Spaulding, William D., Steubenville, Ohio, and B. K. Wasserkrug, Hollidays Cove, W. Va., assignors to National Steel Corporation. Recovery of cyclopentadiene. 2,496,107, Jan. 31.

Speed Corporation, assignee: *See*—
Speed, James H.

Speed, James H., Seaside, assignor to Speed Corporation, Portland, Oreg. Saw filer guide. 2,495,991, Jan. 31.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Phasing device for motor stators. 2,495,828, Jan. 31.

Spencer Turbine Company, assignee: *See*—
Smith, Lester C., and Paine.

Sperry Corporation, The, assignee: *See*—
Mozley, Robert F.
Shepherd, James E., and Mozley.

Standard Coil Products Co., Inc., assignee: *See*—
Thias, Edwin P., and White.

Standard Oil Company, assignee: *See*—
Lien, Arthur P., and Evering.
Lien, Arthur P., Evering, and Shoemaker.
Gilliland, Edwin R.
Mottern, Henry O.

Stange, Alexander H., Flint, Mich. Soap dispenser for shaving brushes. 2,496,181, Jan. 31.

Stanley, Lester N.: *See*—
Von Glahn, William H., and Stanley.

Stanolind Oil and Gas Company, assignee: *See*—
Silverman, Daniel.

Starts, Albert, Fort Lauderdale, Fla., assignor to Duncan Parking Meter Corporation. Valve control for crankcase compression engines. 2,495,784, Jan. 31.

Stava, Robert J.: *See*—
Goldfield, Edwin R., Stava, and Bastin, Jr.

Steele, Maurice G., Rome, N. Y. Electric conductor extension cord. 2,496,108, Jan. 31.

Stein, Robert A.: *See*—
Beaman, Bernard, Hulman, and Stein.

Stephan Corp., The, assignee: *See*—
Stephan, Joseph.

Stephan, Joseph, Phoenix, Ariz., assignor to The Stephan Corp. Ore concentrator. 2,496,025, Jan. 31.
Stephens, William T., assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio. Lowering valve. 2,495,785, Jan. 31.
Sternad, Frank S., Cuyahoga Falls, and J. P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire building machine. 2,496,137, Jan. 31.
Stewart, John H. F., Detroit, Mich. Fluid sealing device. 2,495,871, Jan. 31.
Stewart-Warner Corporation, assignee: *See*—
Whitted, John B.
Stibbe, Edward V., and B. Smith, Leicester, England. Circular knitting machine of the independent needle type. 2,495,872, Jan. 31.
Strader, Leroy F., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Prevention of afterburning in a moving bed catalyst regeneration process. 2,495,786, Jan. 31.
Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction furnace push-out rod. 2,495,787, Jan. 31.
Strong, James H., Yardley, Pa. Paper parachute. 2,495,873, Jan. 31.
Stula, Edmund J., Rockville, Conn. Tobacco spearing machine. 2,495,874, Jan. 31.
Sullivan, Donald E., Coatesville, Pa. Baby oiler. 2,496,071, Jan. 31.
Summerbell, William E.: *See*—
Whitlock, Fred W., and Summerbell.
Superior Tube Company, assignee: *See*—
Wiese, Donald H.
Suprasol Limited, assignee: *See*—
Greenleaf, Nathaniel B.
Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.
Syfert, William W., Oklahoma City, Okla. Single-edge razor blade sharpener. 2,495,910, Jan. 31.
Sykes, Wesley S., Los Angeles, Calif. Luggage section end wall having a peripheral undercut groove securing a buffer strip. 2,496,182, Jan. 31.
Sylvania Electric Products Inc., assignee: *See*—
O'Hearn, Francis T.
Rich, Gerald C.
White, Donald W., Jr., and Zabel.
Syncro Machine Company, assignee: *See*—
Bruestle, Carl O., and Wilken.
McKeague, Arthur L.
Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Nozzle for suction cleaners. 2,495,875, Jan. 31.
Taylor, Charles H., West Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush roll adjustment for suction cleaners. 2,495,876, Jan. 31.
Taylor, Elmer H., assignor to The Chase-Shawmut Company, Newburyport, Mass. Circuit breaker. 2,496,072, Jan. 31.
Taylor, Eugene V., Chicago, Ill. Vertical axis food grinder or comminutor. 2,495,948, Jan. 31.
Taylor, George H., Jr., Fort Lauderdale, Fla. Frequency multiplier system. 2,496,026, Jan. 31.
Taylor, Maurice K., Hollinwood, and F. C. Williams, Manchester, assignors to Ferranti Limited, Hollinwood, England. Thermionic-valve system. 2,495,949, Jan. 31.
Technicolor Motion Picture Corporation, assignee: *See*—
Pohl, Wadsworth E.
Tekel, Ralph: *See*—
Natelson, Samuel, Kramer, and Tekel.
Teletype Corporation, assignee: *See*—
Schuler, Reginald G.
Terry, George C., Flushing, N. Y. Clothes clamp. 2,496,109, Jan. 31.
Thape, Theodore: *See*—
Gravelle, Frank F., and Thape.
Theilman, Milton R., Cincinnati, assignor to L. Demsey, Cleveland, Ohio. Storm sash. 2,495,877, Jan. 31.
Thias, Edwin P., Hollywood, and W. W. White, Altadena, Calif., assignors to Standard Coil Products Co., Inc., Chicago, Ill. Circuit component selecting unit. 2,496,183, Jan. 31.
Thomas, Arthur, Wallington, and A. H. Gausden, Chipstead, assignors to Powers-Samas Accounting Machines Limited, London, England. Record card controlled statistical machine. 2,496,138, Jan. 31.
Thompson, J. Clay, assignee: *See*—
Schumacher, Henry E.
Thurman, Oliver, Jr., Mount Tabor, N. J., assignor to Air Reduction Company, Incorporated. Double rectilinear torch machine. 2,496,110, Jan. 31.
Toledo Steel Tube Company, The, assignee: *See*—
Myers, Hubert A.
Towmotor Corporation, assignee: *See*—
Crawford, John T.
Wessman, Daniel.
Trapet, Maurice, Los Angeles, Calif. Portable tool with swivel head. 2,496,027, Jan. 31.
Trenholm, Kenneth S., assignor of 5 per cent to L. L. Claydon, San Diego, Calif. Shielded service signal for counters. 2,496,073, Jan. 31.
Trist, Edward R., Washington, D. C. Electric heater. 2,495,788, Jan. 31.
Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beverage cooling apparatus having a quick cooling reservoir. 2,495,878, Jan. 31.
Tumminelli, Joseph, Newark, N. J. Device for dressing razor straps and the like. 2,495,911, Jan. 31.
Turkel, Henry, Detroit, Mich. Biopsy needle. 2,496,111, Jan. 31.
Twells, Robert, Fostoria, Ohio. Gauge. 2,495,789, Jan. 31.
Ullrich, Adolph E., Milwaukee, Wis. Trouser and skirt hanger. 2,496,238, Jan. 31.
Union Asbestos & Rubber Company, assignee: *See*—
Moornan, Charles L.
Union Special Machine Company, assignee: *See*—
Peterson, Albert C.
United Shoe Machinery Corporation, assignee: *See*—
Reinhold, Frank W., and Maciejowski.
United States Atomic Energy Commission, United States of America as represente by the, assignee: *See*—
Burford, William B., III, and Weber.
East, Jack K., and English.
U. S. Industrial Chemicals, Inc., assignee: *See*—
Hammond, John A. S.
United States Rubber Company, assignee: *See*—
Kerr, Kenneth W.
Universal Oil Products Company, assignee: *See*—
Danforth, Joseph D.
Hervert, George L.
Pines, Herman, and Kvetinskas.
Urmetz, Walter W., Parma, assignor to The Ferro Engineering Company, Cleveland, Ohio. Ingot mold and hot top. 2,495,992, Jan. 31.
Valensi, Georges, Paris, France. Scanning system for television receivers. 2,495,790, Jan. 31.
Van Daele, Leon M., and J. J. Ballet, Antwerp, Belgium. System for the protection of transmission lines using alternating currents. 2,495,791, Jan. 31.
Van der Tuuk, Jacob H., and J. J. Smit, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray tube. 2,496,112, Jan. 31.
Vander Velde, Edward J., Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Unloading valve. 2,495,879, Jan. 31.
Van der Werff, Willem, Haarlem, assignor to Werkspoor N. V., Amsterdam, Netherlands. Centrifugal bowl separator. 2,495,950, Jan. 31.
Van Dijck, Willem J. D., The Hague, and L. A. Ginsel, Noordorp, assignors to Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Apparatus for measuring radiation. 2,496,239, Jan. 31.
Vars, Ethan W., assignor, by mesne assignments, to The Aldon Products Company, Duncannon, Pa. Wet grinding knife sharpener. 2,496,139, Jan. 31.
Vickers Incorporated, assignee: *See*—
Vander Velde, Edward J.
Victor Chemical Works, assignee: *See*—
Woodstock, Willard H.
Vignos, James C., assignor to Ohio Ferro Alloys Corporation, Canton, Ohio. Deoxidizing iron and steel. 2,496,074, Jan. 31.
Vincent, Earl R.: *See*—
Newell, Cameron B., and Vincent.
Vincent, Perry F., Hilladale, Mich. Air gun. 2,495,829, Jan. 31.
Virneburg, George, New York, N. Y. Rigid archery bow having an elastic string. 2,496,140, Jan. 31.
Vitto, Benjamin: *See*—
Zipperstein, Abe M., and Vitto.
Vlugter, Johannes C.: *See*—
Ellers, Herman, Overhoff, and Vlugter.
Vogt, Henry, Machine Company, assignee: *See*—
Fulkerson, Archie P.
Volpin, Alexander S., Houston, Tex. Slush pump valve. 2,495,880, Jan. 31.
Von Canon, Paul L., West End, N. C. Furniture drawer construction and method. 2,496,184, Jan. 31.
Von Glahn, William H., Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyes. 2,496,255, Jan. 31.
Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotypes stabilized with sulfo amino benzoic acids. 2,496,240, Jan. 31.
Von Wehrden, Frederick W., assignor to Broderick & Bascom Rope Company, St. Louis, Mo. Sling and end fitting. 2,495,951, Jan. 31.
Voss, Walter W., Chicago, C. A. Getz, Glen Ellyn, and J. C. Hesson, assignors to Cardox Corporation, Chicago, Ill. Method and apparatus for charging vessels with solid carbon dioxide. 2,496,185, Jan. 31.
Wagner, Carl J., Detroit, Mich. Ventilator construction. 2,495,830, Jan. 31.
Wagner, George B., Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y. Refrigerating method and apparatus utilizing Dry Ice. 2,496,241, Jan. 31.
Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. High-voltage insulator terminal. 2,496,075, Jan. 31.

Wallace, Robert C., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Transmission and throttle controlling device. 2,495,993, Jan. 31.
Walt, Albert J.: *See*—
Ahern, William B., and Walt.
Walter, James N., East Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice-controlled two-way telephone set. 2,496,186, Jan. 31.
Ward Leonard Electric Company, assignee: *See*—
Cohen, Arthur M.
Ward, Robert N.: *See*—
Sadgebury, Herman F., and Ward.
Ward, Robert N., and W. H. Matthews, assignors to The Egry Register Company, Dayton, Ohio. Upright folding machine. 2,495,994, Jan. 31.
Warmoltz, Nicolaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising a liquid cathode and a capacitative ignition electrode provided therein. 2,495,831, Jan. 31.
Warnick, Alan, Detroit, and R. Kozarian, Highland Park, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Generator sequencing control for plural loads. 2,495,792, Jan. 31.
Warren, Hewett, and G. W. Schumacher, Portland, Oreg. Adjustable support. 2,495,995, Jan. 31.
Wasserkrug, Bernard K.: *See*—
Spaulding, William D., and Wasserkrug.
Wasserman, David: *See*—
Dawson, Charles R., and Wasserman.
Watson, Edward F.: *See*—
Bacon, Walter M., and Watson.
Weatherhead Company, The, assignee: *See*—
Courtot, Louis B.
Webb, Frank S., Havre de Grace, Md. Multisector scraper for gun bores. 2,495,793, Jan. 31.
Webb, George A.: *See*—
Corson, Ben B., and Webb.
Webb, Herbert J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phonographic thread remover. 2,496,076, Jan. 31.
Weber, Clifford E.: *See*—
Burford, William B., III, and Weber.
Wehner, Albert, Harbor Beach, Mich. Revolving cement mixer screen. 2,496,077, Jan. 31.
Weller, Thomas H., Ann Arbor, Mich. Rectal scraper. 2,495,794, Jan. 31.
Wells, Clinton H.: *See*—
Eguchi, George M., and Wells.
Wells, Ira M., Oakland, Calif. Vacuum street cleaner. 2,496,028, Jan. 31.
Wentworth, Chandler, Princeton, N. J., assignor to Radio Corporation of America. Making saggers. 2,496,078, Jan. 31.
Werkspoor N. V., assignee: *See*—
Van der Werff, Willem.
Wessman, Daniel, assignor to Towmotor Corporation, Cleveland, Ohio. Keg puller loading device for industrial trucks. 2,496,079, Jan. 31.
Western Electric Company, Incorporated, assignee: *See*—
Brillhart, Samuel E.
Westinghouse Electric Corporation, assignee: *See*—
Hemming, Harold.
Taylor, Charles H.
Tull, Robert H.
Webb, Herbert J.

Weston, Jeffrey D., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Altimeter. 2,495,795, Jan. 31.
White, Donald W., Jr., Flushing, N. Y., and R. M. Zabel, Melrose, Mass., assignors to Sylvania Electric Products, Inc. Wire tester. 2,496,029, Jan. 31.
White, Howard T., West Collingswood, N. J., H. Fritsch, Philadelphia, and L. R. Di Filippo, Newton Square, Pa. Clamping ring. 2,495,796, Jan. 31.
White, Warren W.: *See*—
Thias, Edwin P., and White.
Whitlock, Fred W., Rockford, Ill., and W. E. Summerbell, Washington, D. C. Electrical bore gauge. 2,495,797, Jan. 31.
Whitted, John B., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric control mechanism. 2,496,187, Jan. 31.
Wiese, Donald H., assignor to Superior Tube Company, Norristown, Pa. Apparatus for seam welding of tubing. 2,496,188, Jan. 31.
Wilken, Hugo: *See*—
Bruestle, Carl O., and Wilken.
Williams, Beverly E., Chicago, Ill. Refrigerator car. 2,496,189, Jan. 31.
Williams, Frederic C.: *See*—
Taylor, Maurice K., and Williams.
Wilson, Merit E., Watertown, S. Dak. Doorstop and closer. 2,495,881, Jan. 31.
Wimer, Bertram H., Washington, D. C. Sheet dispensing device for carbon paper rolls. 2,496,080, Jan. 31.
Winey, Lloyd S., Lancaster, Pa. Drinking fount. 2,496,030, Jan. 31.
Wisnasky, Herschel L.: *See*—
De Ment, Harold E. and Wisnasky.
Wissmiller, Ivan L., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Vessel for storage of liquids at low temperatures. 2,495,798, Jan. 31.
Wolcott, Frank E., Jr., West Hartford, assignor to The Silex Company, Hartford, Conn. Filter for coffee makers. 2,495,996, Jan. 31.
Wollner, Paul, Weehawken, N. J. Heater for melting bituminous material and for preventing flashing of vapors given off thereby. 2,496,113, Jan. 31.
Wood, Ronald M., Baltimore, Md. Bacteriological colony counting device having a light-conducting member for transverse illumination. 2,495,912, Jan. 31.
Wood, Stanley E.: *See*—
Hornik, Roland G., and Wood.
Woodall Industries Incorporated, assignee: *See*—
Moore, Alvin F.
Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Chloroalkyl phosphorous oxy and sulfo dichlorides. 2,495,799, Jan. 31.
Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Wellhead sealing arrangement. 2,496,190, Jan. 31.
Wright, Kenneth S.: *See*—
Huntley, Wilson C., and Wright.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Ahern, William B., and Walt.
Wynecoop, Clair, Wellpinit, Wash. Pipe pellet. 2,495,882, Jan. 31.
Young, Lautt F., Corpus Christi, Tex. Gun clearing device. 2,495,800, Jan. 31.
Zabel, Rolland M.: *See*—
White, Donald W., Jr., and Zabel.
Zimmerman, Norman H.: *See*—
Drown, Clifford F., Zimmerman, and Ross.
Zipperstein, Abe M., Chicago, and B. Vitto, Annawan, Ill. Guitar steel. 2,496,191, Jan. 31.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Drive for magnetic recorders, Constant speed. M. Camras. Re. 23,192, Jan. 31.

Frequency modulation distance indicator. R. G. Shankweiler and D. Blitz. Re. 23,194, Jan. 31.

Lantern, Headlight. C. S. Packer and M. R. Olsen. Re. 23,193. Jan. 31.

LIST OF PLANT INVENTIONS

Rose plant. H. E. Barké. 918, Jan. 31.

Rose plant. E. B. Le Grice. 917, Jan. 31.

LIST OF DESIGN INVENTIONS

Altar. F. T. Paden. 157,081, Jan. 31.
Antenna. T. Schmidt. 157,090, Jan. 31.
Apron. J. Kirsch. 157,053, Jan. 31.
Ash tray. I. Kohn. 157,056, Jan. 31.
Atomizer and cigarette lighter or the like, Combination. I. Fiorman. 157,038, Jan. 31.
Bottle. R. A. Gowdy. 157,042, Jan. 31.
Bottle. N. A. Schoelles. 157,091, Jan. 31.
Bowl. M. G. Yutzey. 157,114, Jan. 31.
Box, Display. E. Opler. 157,080, Jan. 31.
Box, Gift. G. S. Gruber and K. N. Delany. 157,043, Jan. 31.
Bracelet, Expansible. A. Castiglioni. 157,029, Jan. 31.
Bracket or similar article, Hinged. W. M. Reithard. 157,088, Jan. 31.
Brush. S. J. Langer. 157,058, Jan. 31.
Building. M. M. Boonin. 157,026–7, Jan. 31.
Cabinet, Display. S. V. Bacco and M. McVickar. 157,024, Jan. 31.
Camisole and slip, Combined. H. Colton. 157,031, Jan. 31.
Cap, Bottle. L. Medgyes. 157,065, Jan. 31.
Carpet or the like. C. D. Lehner. 157,060, Jan. 31.
Chair, Juvenile. H. H. Melsian. 157,066, Jan. 31.
Cleaner or the like, Paint spray hose. D. J. Peeps. 157,084, Jan. 31.
Comb. P. J. Morroni. 157,069, Jan. 31.
Container, Pharmaceutical. E. Zumpe. 157,115, Jan. 31.
Counter, Display. J. G. Lippincott. 157,062, Jan. 31.
Cup, Ice-cream. A. A. Heyman. 157,047–8, Jan. 31.
Cutting machine, Strip. P. H. Unsinger. 157,105, Jan. 31.
Desk and toy chest, or the like, Child's combined. P. Metro. 157,067, Jan. 31.
Dish or other article of hollow ware. F. W. Stark. 157,099, Jan. 31.
Fabric or similar article, Embroidered textile. C. R. Slepski. 157,093–4, Jan. 31.
Fabric, Textile. E. Freitag. 157,039, Jan. 31.
Fabric, Textile. H. A. Smith. 157,095–6, Jan. 31.
File, Portable index. A. M. Pirone. 157,086, Jan. 31.
Frame, Spectacle. A. L. Anderson and L. W. Myers. 157,021, Jan. 31.
Frame, Spectacle. F. W. Lindblom. 157,061, Jan. 31.
Frame, Spectacle. L. W. Myers and A. L. Anderson. 157,070–4, Jan. 31.
Front for an eye shield or similar article. T. V. Paulson. 157,083, Jan. 31.
Game board. S. J. Newman. 157,077, Jan. 31.
Garment hanger or similar article, Combination. F. J. Geisler. 157,040, Jan. 31.
Hanger, Adjustable garment. J. A. Saunders. 157,089, Jan. 31.
Holder, Card. J. P. Patton. 157,082, Jan. 31.
Holder, Combined cigarette and lighter. E. Sohn and E. San Giovanni. 157,097, Jan. 31.
Illuminator, Keyhole. A. I. Feuerman. 157,035, Jan. 31.
Indicator, Cable tension. C. E. Cushman. 157,032, Jan. 31.
Lamp. E. Norton. 157,079, Jan. 31.
Letter opener and dialer, Combination. C. L. Kahn. 157,051, Jan. 31.
Lunch box. L. Welk. 157,110, Jan. 31.
Measuring instrument, Radiation. J. A. Victoreen, J. M. Bevis, A. F. Bush, and R. D. Kidney. 157,106, Jan. 31.
Music stand and amplifier housing, Combined. H. Stanley, C. Tancre, and L. C. Roy. 157,098, Jan. 31.
Oil pump and tank, Portable. M. A. Tabet. 157,102, Jan. 31.
Projector. J. T. Armbruster. 157,022, Jan. 31.
Projector. F. W. Hertzler. 157,046, Jan. 31.
Rack, Display. H. C. Douglas. 157,033, Jan. 31.
Rack, Support. E. C. Chatfield. 157,030, Jan. 31.
Scaffold horse. D. Ashenfelter. 157,023, Jan. 31.
Seat or chair, Training. R. L. Wenkstern. 157,111, Jan. 31.
Shelf, Corner radio or utility. H. Kaplan and S. Eidinger. 157,052, Jan. 31.
Shoe or similar article of footwear. J. F. Eldon. 157,034, Jan. 31.
Showcase. W. A. Lapham. 157,059, Jan. 31.
Signal arm for automotive vehicles, Illuminable semaphore. L. W. Carlson. 157,028, Jan. 31.
Slip. S. Wolf. 157,112–13, Jan. 31.
Spoon or other article of flatware. M. B. and D. A. Baker. 157,025, Jan. 31.
Spoon or similar article. M. P. Fleming. 157,037, Jan. 31.
Spoon or similar article. W. H. Gerth. 157,041, Jan. 31.
Sprinkler, Lawn. J. K. Heick. 157,045, Jan. 31.
Stand, Collapsible. A. A. Naulin. 157,075, Jan. 31.
Standard, Lamp. M. N. Miller. 157,068, Jan. 31.
Stereoscope. R. G. Reineman. 157,087, Jan. 31.
Stocking. R. L. Hall. 157,044, Jan. 31.
Stroller, Child's. H. R. Pinkerton. 157,085, Jan. 31.
Support and end member for shelves. L. P. Shield. 157,092, Jan. 31.
Swing. W. H. Nicholson. 157,078, Jan. 31.
Thermometer and barometer, Combined. W. D. Teague and R. H. Ensign. 157,103, Jan. 31.
Toaster. C. E. Waltman. 157,108–9, Jan. 31.
Tool, Automobile door latch flanging. V. O. Lane. 157,057, Jan. 31.
Toy, Bubble blowing. A. M. Steiner. 157,100, Jan. 31.
Toy vehicle. J. B. Fisher. 157,036, Jan. 31.
Tray and heater, Combined portable. G. W. Walker. 157,107, Jan. 31.
Trimmer, Razor type hair. W. M. Mansfield. 157,063, Jan. 31.
Trimmer, Reversible hair. W. M. Mansfield. 157,064, Jan. 31.
Tweezers. W. R. Tuttle and W. J. Beldue. 157,104, Jan. 31.
Vending machine. E. L. Strempel. 157,101, Jan. 31.
Wallet. S. Knee. 157,054–5, Jan. 31.
Washstand, Covered. B. E. Jones. 157,049–50, Jan. 31.
Writing desk and typewriter desk, Combination. S. Nemes. 157,076, Jan. 31.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF JANUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles and manufacturing the same. N. P. Roble. 2,496,234, Jan. 31.
Accordion hand strap mounting. W. B. Ahern and A. J. Walt. 2,495,915, Jan. 31.
Accordion, Piano. W. B. Ahern and A. J. Walt. 2,495,914, Jan. 31.
Actuator and control, Parking brake. W. F. McSparran, Jr. 2,495,979, Jan. 31.
Adjustable appliance plug. C. A. Peebles. 2,496,173, Jan. 31.
Adjustable support. H. Warrens and G. W. Schumacher. 2,495,995, Jan. 31.
Adjuster, Slack. W. J. Sockell. 2,495,990, Jan. 31.
Adjustment for suction cleaners, Brush roll. C. H. Taylor. 2,495,876, Jan. 31.
Air conditioner, Portable. W. F. Hoffman. 2,495,969, Jan. 31.
Aircraft control. J. V. Browning. 2,496,083, Jan. 31.
Airplane wing structure. W. T. Schwendler and O. Erlandsen, Jr. 2,496,024, Jan. 31.
Alcohol derivatives of subtilin. J. C. Lewis and E. F. Jansen. 2,495,743, Jan. 31.
Alcohol process. H. O. Mottern. 2,496,251, Jan. 31.
Aligning apparatus and method, Radio receiver. M. E. Ames, Jr. 2,495,997, Jan. 31.
Alkoxyisobutyraldoximes, Preparation of. D. J. Butterbaugh. 2,496,198, Jan. 31.
Alkyl esters of 3-hydroxy-11-keto-12-bromonorcholanic acid, Preparing lower. E. C. Kendall. 2,495,735, Jan. 31.
Altimeter. J. D. Weston. 2,495,795, Jan. 31.
Amusement device. R. A. Hamilton. 2,495,967, Jan. 31.
Animal trap. J. R. Hasely. 2,495,894, Jan. 31.
Antenna. F. J. Lundburg. 2,495,747, Jan. 31.
Antenna installation on airplanes. C. H. Matson. 2,495,748, Jan. 31.
Antenna system. W. E. Bradley. 2,496,242, Jan. 31.
Apparatus for advancing and working plastic material. S. E. Brillhart. 2,496,147, Jan. 31.
Apparatus for agitating curds. P. P. Caumartin. 2,496,001, Jan. 31.
Apparatus for forming thermoplastic molds for use in electrotyping. R. B. Myers. 2,496,014, Jan. 31.
Apparatus for joining pieces of plastic. A. M. Andrews. 2,495,680, Jan. 31.
Apparatus for manufacture or treatment of thread. H. A. Kuljian. 2,495,936, Jan. 31.
Apparatus for measuring propeller blades. D. J. Davis. 2,495,891, Jan. 31.
Apparatus for measuring radiation. W. J. D. van Dijck and L. A. Ginsel. 2,496,239, Jan. 31.
Apparatus for removing blocks from molding machines. G. H. Bugenhagen. 2,496,000, Jan. 31.
Apparatus for removing rubber and the like from bodies to which affixed. W. W. Ransom. 2,495,764, Jan. 31.
Apparatus for sampling material, such as coal. W. H. Pletta and R. B. Freston. 2,495,944, Jan. 31.
Apparatus for seam welding of tubing. D. H. Wiese. 2,496,188, Jan. 31.
Applicator, Nasal. B. L. Griesman. 2,496,125, Jan. 31.
Arrangement for measuring electric power. W. A. Montgomery. 2,495,752, Jan. 31.
Article handling device. C. G. Bailey. 2,495,954, Jan. 31.
Artificial load, Radiofrequency. A. G. Kandoian. 2,495,733, Jan. 31.
Attachment for golf clubs, Marking. R. and J. W. Abrecht. 2,495,679, Jan. 31.
Attachment for tractors, Seeder. W. V. Hurt. 2,496,162, Jan. 31.
Attachment for typing machines, Manifolding. H. F. Sadgebury and R. N. Ward. 2,495,985, Jan. 31.
Azo dyes. W. H. von Glahn. 2,496,255, Jan. 31.
Azo dyestuffs. C. R. Dawson and D. Wasserman. 2,496,151, Jan. 31.
Baby carrier. M. A. Kaminski. 2,496,216, Jan. 31.
Baby handling device. C. J. Gustaveson. 2,495,964–5, Jan. 31.
Bar: *See*—
Hand bar.
Beacon system. R. B. Reade. 2,495,766, Jan. 31.
Bed and seat, Convertible. A. A. Hopeman, Jr., and J. A. Bohnsack. 2,496,006, Jan. 31.
Beneficiation of volcanic ash. E. P. Flint, T. C. Miller, and W. F. Douglass. 2,496,203, Jan. 31.
Beta-(2-biphenyloxy) ethyl beta-haloalkyl amines. G. Rieveschl, Jr., and R. W. Fleming. 2,495,772, Jan. 31.
Billfold, memorandum pad, and purse, Combination. H. A. Bauman. 2,496,144, Jan. 31.
Biphenyl derivatives and preparing them. F. Rosenthal. 2,496,067, Jan. 31.
Blade, Lawn mower. P. R. Hutchinson. 2,495,812, Jan. 31.
Bow having an elastic string, Rigid archery. G. Virneburg. 2,496,140, Jan. 31.
Box for loose-leaf holders. E. T. Belmont. 2,495,687, Jan. 31.
Box or carton, Double walled. K. T. Buttery. 2,495,807, Jan. 31.
Bracket: *See*—
Detachable crutch bracket. Ladder bracket.
Brake and spring suspension linkage. P. Heftler. 2,495,719, Jan. 31.
Brake applying mechanism for rocking wheel vehicles. V. B. King. 2,495,933, Jan. 31.
Brakehead arrangement. D. M. Light. 2,496,250, Jan. 31.
Building construction of predetermined characteristics. E. S. Osborn. 2,495,862, Jan. 31.
Bulkhead, Convertible. C. L. Moorman. 2,495,903, Jan. 31.
Burner for solid fuels, Rotary type. W. M. and B. S. Fulton, J. H. Murrian, and R. W. Fulton. 2,496,156, Jan. 31.
C-nitrosoarylamines, Manufacture of. S. M. Roberts. 2,495,774, Jan. 31.
Cabinet construction, Refrigerator. J. W. Norrish and A. E. Nave. 2,496,2[illegible]2, Jan. 31.
Camera, Twin lens reflex. J. H. McIlroy. 2,496,059, Jan. 31.
Car: *See*—
Refrigeration car.
Carbon black products, Producing. H. C. Foster and B. Johnson. 2,495,925, Jan. 31.
Card comparing machine, Statistical. J. T. Ferry. 2,496,124, Jan. 31.
Carrier: *See*—
Baby carrier.
Case: *See*—
Composite overnight and brief case. Knife case.
Casting of metal slabs, Continuous. I. Rossi. 2,496,235, Jan. 31.
Casting separable fastener stringers. L. H. Morin. 2,496,130, Jan. 31.
Cellulose derivative plasticized with an oily diester of a polyhydric alcohol. A. J. Geiges. 2,495,714, Jan. 31.
Cellulosic dressing. P. J. Guerillot. 2,495,893, Jan. 31.
Centrifugal bowl separator. W. van der Werff. 2,495,950, Jan. 31.
Certain iodinated hydroxyphenyl cycloalkyl carboxylic acids. S. Natelson, B. Kramer, and R. Tekel. 2,496,064, Jan. 31.
Chair: *See*—
Retracting type theater chair.
Chair device, Children's high. M. Glenn. 2,495,843, Jan. 31.
Charging vessels with solid carbon dioxide, Method and apparatus for. W. W. Voss, C. A. Getz, and J. C. Hesson. 2,496,185, Jan. 31.
Children's vehicle. F. R. Kreeger. 2,495,935, Jan. 31.
Chloroalkyl phosphorous oxy and sulfo dichlorides. W. H. Woodstock. 2,495,799, Jan. 31.
Circuit: *See*—
Radio beacon receiver control circuit. Tone keyer control circuit.
Synchronizing corrector circuit.
Circuit breaker. E. H. Taylor. 2,496,072, Jan. 31.
Circuit breaker and contactor, Automatic. D. E. Pepper. 2,496,020, Jan. 31.
Circuit component selecting unit. E. P. Thias and W. W. White. 2,496,183, Jan. 31.
Circuit for radio receivers, Automatic tuning. F. Mural. 2,496,063, Jan. 31.
Circuit for railroad passenger entertainment systems, Control. L. F. Mayle. 2,495,749, Jan. 31.
Circuit in a diversity telegraphy receiver, Locking and control. R. E. Schock. 2,495,826, Jan. 31.
Circuits, Frequency determining. C. L. Richards and E. J. Glaisher. 2,496,177, Jan. 31.
Circuits, including a switch therefor, Voltage multiplying. J. M. Reed. 2,496,021, Jan. 31.
Circulating device, Fluid. G. L. Hervert. 2,495,895, Jan. 31.

Clamp: *See*—
Clothes clamp.
Clamping ring. H. T. White, H. Fritsch, and L. R. Di Filippo. 2,495,796, Jan. 31.
Cleaner: *See*—
Vacuum street cleaner.
Cleaning and shampooing machine, Surface. E. Berberian. 2,495,686, Jan. 31.
Clip: *See*—
Spring clip.
Closure device having self-locking pivoted cap. J. Beyers. 2,495,884, Jan. 31.
Closure means for billfolds, End. W. A. Pence. 2,496,174, Jan. 31.
Clothes clamp. G. C. Terry. 2,496,109, Jan. 31.
Clutch mechanism, Speed responsive. A. Y. Dodge. 2,496,201, Jan. 31.
Coaster. O. A. Gaudino. 2,496,157, Jan. 31.
Coated articles, Making flock. A. Selsky. 2,496,070, Jan. 31.
Coating solution for plastic carriers, Diazotype. C. Botkin. 2,496,196, Jan. 31.
Coffee maker. R. L. Smith. 2,496,237, Jan. 31.
Coking process. A. R. Powell. 2,495,763, Jan. 31.
Collection apparatus, Load limiting. L. C. Smith and W. V. Paine. 2,496,180, Jan. 31.
Comminuting apparatus, Garbage. A. W. Richards. 2,495,983, Jan. 31.
Communication system. W. M. Bacon. 2,495,683, Jan. 31.
Communication system. W. M. Bacon and E. F. Watson. 2,495,682, Jan. 31.
Communication system, Selectable band width electrical pulse multichannel. E. Labin and D. D. Grieg. 2,495,739, Jan. 31.
Composite overnight and brief case. S. H. Lifton. 2,496,128, Jan. 31.
Composition for removing paint and varnish from coated surfaces. C. Hutson, J. C. Kidd, and C. E. Blair. 2,495,728, Jan. 31.
Computer, Pilotage. W. C. Schroeder. 2,495,777, Jan. 31.
Concentrator, Ore. J. Stephan. 2,496,025, Jan. 31.
Conditioning apparatus, All year. A. B. Newton. 2,495,861, Jan. 31.
Connection for securing mop heads to handles, Spring tension. N. B. Greenleaf. 2,496,158, Jan. 31.
Connector: *See*— Electrical connector.
Connector. D. E. Austin. 2,496,032, Jan. 31.
Constant amplitude wave train generator. L. A. de Rosa. 2,495,704, Jan. 31.
Container: *See*—
Gunstock ammunition container. Multiple chamber container.
Container and opening key. N. Geertsen. 2,495,715, Jan. 31.
Container with self-locking top and bottom, Stacked jar. J. M. Iwata. 2,496,093, Jan. 31.
Control apparatus. D. L. Markusen. 2,495,856, Jan. 31.
Control mechanism, Electric. J. B. Whitted. 2,496,187, Jan. 31.
Control system. A. J. Hornfeck. 2,495,844, Jan. 31.
Control system for magnetic reproducers, Indexing and speed. J. Neufeld. 2,496,103, Jan. 31.
Control unit. L. S. Brennan. 2,495,691, Jan. 31.
Conversion of hydrocarbons with modified clay catalysts. G. A. Mills and E. B. Cornelius. 2,495,751, Jan. 31.
Cooler for arc lamps, Carbon. H. I. Huff. 2,495,970, Jan. 31.
Cooling apparatus having a quick cooling reservoir, Beverage. R. H. Tull. 2,495,878, Jan. 31.
Cord, Electric conductor extension. M. G. Steele. 2,496,108, Jan. 31.
Cork composition and making. H. Paschke. 2,495,759, Jan. 31.
Counting and registering device for punchboards. J. T. Rash. 2,495,945, Jan. 31.
Counting device having a light-conducting member for transverse illumination, Bacteriological colony. R. M. Wood. 2,495,912, Jan. 31.
Coupler. M. T. Cahenzli, Jr. 2,496,149, Jan. 31.
Coupling: *See*—
Pipe coupling.
Cover and making same, Checkbook. J. C. Miller. 2,495,940, Jan. 31.
Cracking of hydrocarbons with water-saturated catalysts, Liquid phase. H. A. Hormann. 2,495,723, Jan. 31.
Cross association of webs. W. P. V. Ross. 2,495,909, Jan. 31.
Current collecting construction. J. Milazzo. 2,495,750, Jan. 31.
Cutoff machine, Piercing. H. A. Myers. 2,496,013, Jan. 31.
Cutter: *See*—
Tow cable cutter. Wire line cutter.
Cylinder, Air. W. F. Schroeder. 2,495,869, Jan. 31.
Damped shock excited variable width pulse gate generator. J. E. Shepherd and R. F. Mosley. 2,495,780, Jan. 31.
Damper, Hydraulic surge. W. Byrd, Jr., and W. Annis. 2,495,693, Jan. 31.
Decolorizing organic substances. A. P. Lien, B. L. Evering, and B. H. Shoemaker. 2,495,852, Jan. 31.
Decoy, Hunter's. R. D. Heymann. 2,495,720–1, Jan. 31.
Deoxidizing iron and steel. J. C. Vignos. 2,496,074, Jan. 31.
Desulfurization of organic substances. A. P. Lien and B. L. Evering. 2,495,851, Jan. 31.
Detachable crutch bracket. C. R. Connaghan. 2,495,889, Jan. 31.
Determination of exposure times. W. C. Seifert. 2,495,779, Jan. 31.
Determining radiation dosage, Method and apparatus for. J. Kieffer. 2,496,218, Jan. 31.
Detonator. J. T. Power. 2,495,868, Jan. 31.
Device for curling hair for permanent waves. D. B. Peterson. 2,496,066, Jan. 31.
Device for dressing razor straps and the like. J. Tumminelli. 2,495,911, Jan. 31.
Device, method, and apparatus for the determination of exposure times by alternate opaque and light-transmitting bands. W. C. Seifert. 2,495,778, Jan. 31.
Dialer, Telephone. R. G. Fishel. 2,495,892, Jan. 31.
Diallyl esters of phosphorous acid. W E Craig and W. F. Hester. 2,495,958, Jan. 31.
Diametrically cooperating vane pump. J. R. Richer. 2,495,771, Jan. 31.
Diazotype materials stabilized with an α-alkylidene-polymethylene dicarboxylic acid. S. C. Slifkin. 2,495,827, Jan. 31.
Diazotypes stabilized with sulfo amino benzoic acids. W. H. Von Glahn and L. N. Stanley. 2,496,240, Jan. 31.
Discharge device, Thermionic. G. C. Rich. 2,495,908, Jan. 31.
Dispenser: See— Paste dispenser.
Disk for drawing pencils, Guiding. J. F. Fitzgerald. 2,496,086, Jan. 31.
Dispenser. L. R. Benedict. 2,496,193, Jan. 31.
Dispenser for shaving brushes, Soap. A. H. Stange. 2,496,181, Jan. 31.
Dispensing device for carbon paper rolls, Sheet. B. H. Wimer. 2,496,080, Jan. 31.
Dispersions of reaction products of halogenated paraffins and alkaline polysulfides, Production of. H. Ellers, J. Overhoff, and J. C. Vlugter. 2,496,227, Jan. 31.
Dispersions of reaction products of halogenated paraffins and alkaline polysulfides, Production of. J. Overhoff and H. W. Huyser. 2,496,226, Jan. 31.
Display device. E. G. Koch. 2,496,221, Jan. 31.
Disposal apparatus, Wood waste. G. A. Boughman. 2,496,146, Jan. 31.
Distance indicating system. R. B. Hoffman and P. R. Adams. 2,495,722, Jan. 31.
Distillation of hydrocarbons from sulfolanes, Azeotropic. A. E. Handlos and G. J. Pierotti. 2,496,207, Jan. 31.
Distributor for preventing offset from freshly printed sheets, Powder. S. Bennett. 2,496,194, Jan. 31.
Dog for roving machines, Two-piece double. W. F. Lee and W. O. Junker. 2,496,168, Jan. 31.
Dolly for washing machines. J. H. Brook. 2,495,999, Jan. 31.
Door: *See*—
Rolling door.
Door and cam operator, Dumb waiter. A. L. McKeague. 2,495,902, Jan. 31.
Door check and closer. M. W. Keller. 2,496,166, Jan. 31.
Doorstop and closer. M. E. Wilson. 2,495,881, Jan. 31.
Door swinging and latching mechanism for garment cylinders. J. J. Mikshel. 2,496,011, Jan. 31.
Drawer construction and method, Furniture. P. L. Von Canon. 2,496,184, Jan. 31.
Dredge, Deepwater. G. B. Massey. 2,496,101, Jan. 31.
Drier: *See*—
Hair drier.
Drier using warm air blast. E. C. Sieggreen. 2,496,236, Jan. 31.
Drive and control unit, Universal fluid. M. J. Dikeman. 2,496,042, Jan. 31.
Driving device for power-driven telephone switches and similar switching members. O. J. J. Bracke and G. X. Lens. 2,495,689, Jan. 31.
Drum for dehydrators, Ventilated. W. L. McGehee. 2,496,225, Jan. 31.
Drum, Snare. L. J. Jeffries. 2,495,896, Jan. 31.
Dyeing organic acid ester of cellulose textile materials with an aqueous solution of a normally acid-fading dyestuff, lower aliphatic alcohol, thiocyanate, and alkali metal hydroxide. W. H. Hindle. 2,495,810, Jan. 31.
Electric controlling apparatus. A. M. Cohen. 2,496,120, Jan. 31.
Electric discharge lamp. F. T. O'Hearn. 2,496,065, Jan. 31.
Electric discharge tube. G. F. Asker. 2,495,681, Jan. 31.
Electric heater. E. R. Trist. 2,495,788, Jan. 31.
Electric momentary switch. I. M. Sedwitz. 2,496,135, Jan. 31.
Electric switch. W. E. Brown. 2,496,118, Jan. 31.
Electric switch. R. P. H. Hinds. 2,496,092, Jan. 31.
Electrical bore gauge. F. W. Whitlock and W. E. Summerbell. 2,495,797, Jan. 31.
Electrical connector. O. H. Hasselbaum. 2,496,208, Jan. 31.
Electromagnetic switch. H. E. Schleicher. 2,496,178, Jan. 31.
Electron gun for cathode-ray tubes. J. Kelar. 2,496,127, Jan. 31.
Electronic control system, Quick-reset time-delay. R. B. J. Brunn. 2,495,919, Jan. 31.

Electroplating apparatus. E. L. A. Camin and H. Kenmore. 2,495,695, Jan. 31.
Electroplating copper on aluminum. L. F. Mondolfo. 2,495,941, Jan. 31.
Elevated tank. G. T. Horton. 2,495,724, Jan. 31.
Enamelware. G. F. Comstock and L. J. Frost. 2,495,836, Jan. 31.
Enameled article. F. R. Porter. 2,495,762, Jan. 31.
Enameled articles. F. R. Porter. 2,495,837, Jan. 31.
Engine, four cycle, Opposed piston. W. A. Maxwell. 2,495,978, Jan. 31.
Evaporator, Bell-jar vacuum. C. N. Hoyler. 2,496,054, Jan. 31.
Extracting aromatic hydrocarbons. A. P. Lien and B. L. Evering. 2,495,850, Jan. 31.
Fabric: *See*—
Honeycomb elastic fabric.
Fabricating blower wheels. G. L. Schwarz. 2,496,179, Jan. 31.
Fastener: *See*—
Window sash fastener.
Fastener removal tool. P. C. Roventini. 2,495,775, Jan. 31.
Features for stuffed dolls and animals, Convertible. A. K. Dvorak. 2,496,152, Jan. 31.
Feeding device. C. T. Blume. 2,495,885, Jan. 31.
Felt hardening machine. A. J. Evers. 2,495,923, Jan. 31.
Fibers from carboxymethyl-cellulose, Preparation of. J. D. Reid and G. C. Daul. 2,495,767, Jan. 31.
Filter for coffee makers. F. E. Wolcott, Jr. 2,495,996, Jan. 31.
Fire detector and like elements, Manufacturing. M. F. Peters. 2,495,867, Jan. 31.
Fire extinguisher, Hand. J. C. Hesson. 2,496,160, Jan. 31.
Firing mechanism for use in armed mounts. F. W. Reinhold and J. J. Maciejowski. 2,495,822, Jan. 31.
Fish lure, Surface artificial. H. L. Phippen. 2,496,231, Jan. 31.
Fishing lure. W. C. Huntley and K. S. Wright. 2,496,213, Jan. 31.
Fishing rod handle. E. Meierjohan. 2,495,980, Jan. 31.
Flexible pocket receptacle. R. P. Harvey. 2,495,931, Jan. 31.
Foldable auxiliary baby seat. C. Grieb. 2,496,205, Jan. 31.
Folding machine, Upright. R. N. Ward and W. H. Matthews. 2,495,994, Jan. 31.
Foot covering with tongue extension, Waterproof. S. Aroeste. 2,496,142, Jan. 31.
Forming and trimming die castings, Method and apparatus for. L. H. Morin and O. Gries. 2,496,131, Jan. 31.
Fount, Drinking. L. S. Winey. 2,496,030, Jan. 31.
Fountain, Poultry watering. B. G. Gilbough. 2,496,046, Jan. 31.
Fractionation of gases with solid adsorbents. E. R. Gilliland. 2,495,842, Jan. 31.
Frame and easel for use in photographic reproductions, Composing. G. N. Bumstead. 2,495,887, Jan. 31.
Frame for bicycles. M. Mennesson. 2,495,859, Jan. 31.
Frequency dividing arrangement. L. W. Houghton and D. M. Ambrose. 2,495,726, Jan. 31.
Frequency modulator and time division multiplex system. R. S. Butts. 2,496,148, Jan. 31.
Frequency multiplier system. G. H. Taylor, Jr. 2,496,026, Jan. 31.
Froth flotation of iron ores, including use of alkali phosphate. E. C. Herkenhoff. 2,496,050, Jan. 31.
Fruit feeding and orienting machine. W. D. Peel. 2,496,019, Jan. 31.
Fuel flow control, Pilot. R. W. Johnson. 2,496,214, Jan. 31.
Fuse. R. L. Grauman and W. J. Donahue, Jr. 2,495,717, Jan. 31.
Game, Fishing. E. S. Kelley. 2,496,096, Jan. 31.
Garment hanger. F. E. French. 2,496,088, Jan. 31.
Gas flow indicator. F. P. Scully. 2,496,134, Jan. 31.
Gauge: *See*—
Electrical bore gauge. Surface gauge.
Gauge. R. Twells. 2,495,789, Jan. 31.
Gearing, Transmission. W. L. Sheppard. 2,495,988, Jan. 31.
Generator: *See*—
Constant amplitude wave train generator. Signal generator.
Scanning current generator. Small turbine generator.
Underwater sound generator.
Generator sequencing control for plural loads. A. Warnick and R. Kozarian. 2,495,792, Jan. 31.
Glass fibers, Producing. E. J. Cook. 2,495,956, Jan. 31.
Grinder for material in suspension. C. B. Newell and E. R. Vincent. 2,496,017, Jan. 31.
Grinder or comminutor, Vertical axis food. E. V. Taylor. 2,495,948, Jan. 31.
Gripping device to remove bushings and the like. R. H. Grant. 2,496,005, Jan. 31.
Guard, Bed. V. W. Rutkowski. 2,496,068, Jan. 31.
Guide and spreader for electric selector switches, Combined contact brush. G. Deakin. 2,495,702, Jan. 31.
Guide for sewing machines, Adjustable needle. A. B. Clayton. 2,496,243, Jan. 31.
Guide, Pallet stacking. G. E. Fletcher. 2,495,711, Jan. 31.
Guide, Saw filer. J. H. Speed. 2,495,991, Jan. 31.
Gun, Air. P. F. Vincent. 2,495,829, Jan. 31.
Gun clearing device. L. F. Young. 2,495,800, Jan. 31.
Gun, Harpoon. C. H. Kearny. 2,496,217, Jan. 31.
Gun, Putty. A. Power. 2,496,233, Jan. 31.
Gunstock ammunition container. J. R. Madsen. 2,495,977, Jan. 31.
Hairbrush with adjustable bristle head. F. H. Lotters. 2,496,010, Jan. 31.
Hair drier. E. R. Potter. 2,496,232, Jan. 31.
Hair wave processing indicator. R. E. Grigsby. 2,496,206, Jan. 31.
Hand bar. J. E. Seaberg. 2,495,987, Jan. 31.
Handle: *See*—
Fishing rod handle.
Handle for liquid vessels, Collar. H. G. Blakeslee. 2,495,688, Jan. 31.
Hanger: *See*—
Garment hanger. Wall picture hanger.
Trouser and skirt hanger.
Heat treating mechanism, Electrical. G. H. Bushway. 2,496,199, Jan. 31.
Heater: *See*—
Electric heater. Precision oil heater.
Heater. J. M. Auñero. 2,495,883, Jan. 31.
Heater and damper control, Liquid fuel burning. Q. P. Massare. 2,495,857, Jan. 31.
Heater and manufacturing it, Electrical. G. H. Morey. 2,496,012, Jan. 31.
Heater for melting bituminous material and for preventing flashing of vapors given off thereby. P. Wollner. 2,496,113, Jan. 31.
Heater for windscreens and windows, Electric. C. R. Hopkins. 2,496,161, Jan. 31.
Heel tab for oxfords, Friction-reducing. E. A. Giersch. 2,495,929, Jan. 31.
High-temperature article. P. A. Jennings. 2,496,246, Jan. 31.
Hinge. F. F. Gravelle and T. Thape. 2,495,962, Jan. 31.
Hitch and drawbar construction for cultivators. G. Geraldson. 2,495,928, Jan. 31.
Hitch, Plow. O. W. Oerman. 2,495,818, Jan. 31.
Hoist. W. W. Berchtold. 2,495,804, Jan. 31.
Hoist. H. Q. Hollmann. 2,495,811, Jan. 31.
Holder: *See*—
Meat holder.
Holder. H. Block. 2,495,806, Jan. 31.
Honeycomb elastic fabric. K. W. Kerr. 2,495,847, Jan. 31.
Hose end, Composite. L. B. Courtot. 2,496,037, Jan. 31.
Ice machine, Tube. A. P. Fulkerson. 2,496,155, Jan. 31.
Ice-making machine. R. M. Henderson. 2,496,210, Jan. 31.
Impregnating thick textile fabrics with gum. J. Colmant. 2,495,808, Jan. 31.
Indicator: *See*—
Frequency modulation distance indicator. Hair wave processing indicator.
Gas flow indicator.
Indicator for electrical circuits, Overload. W. Parkerson. 2,495,981, Jan. 31.
Indicator for manually controlled radio direction finder systems, Sense. R. Hardy. 2,495,718, Jan. 31.
Induction furnace push-out rod. H. A. Strickland, Jr. 2,495,787, Jan. 31.
Inductor. F. C. Blancha. 2,496,034, Jan. 31.
Instrument, Electrical musical. T. H. Long. 2,496,224, Jan. 31.
Intensifying electronic images, Method and apparatus for. C. Chilowsky. 2,495,697, Jan. 31.
Internal-combustion engine valve. P. A. Jennings. 2,496,245, Jan. 31.
Internal-combustion engine valve. P. A. Jennings. 2,496,248, Jan. 31.
Invalid equipment. J. G. Hausman. 2,495,968, Jan. 31.
Ionization chamber. J. K. East and S. G. English. 2,496,123, Jan. 31.
Jig, Welding. A. G. Parker. 2,495,758, Jan. 31.
Joint assembly unit, Steering arm. W. A. Flumerfelt. 2,495,959, Jan. 31.
Joint between structural members of buildings. M. E. Haines. 2,495,966, Jan. 31.
Keto alcohols, Production of aromatic. H. Pines and B. Kvetinskas. 2,496,904, Jan. 31.
Keyboard for calculating machines. R. E. Boyden. 2,495,832, Jan. 31.
Knife case. A. A. Perry and C. E. Brown. 2,495,866, Jan. 31.
Knitting machine of the independent needle type, Circular. E. V. Stibbe and B. Smith. 2,495,872, Jan. 31.
Knitting means, Universal. J. Fontaine. 2,496,204, Jan. 31.
Ladder bracket. C. S. and B. W. Lombard. 2,496,057, Jan. 31.
Laminated structure, Grained. W. T. Donahue. 2,496,122, Jan. 31.
Lamp: *See*—
Electric discharge lamp.
Lathe machine. F. R. Francis. 2,495,927, Jan. 31.
Lawn mower, Electric. J. Remonte. 2,496,022, Jan. 31.
Leg for furniture, Folding. V. E. Johnson. 2,496,094, Jan. 31.
Lifter and hopper arrangement for planters, Seed. C. S. Baker. 2,495,998, Jan. 31.
Lighter and heated inhalator, Combined. J. Kemp. 2,495,897, Jan. 31.

Line tightener. M. E. Lawrence. 2,496,249, Jan. 31
Load balancing system. E. M. Sorensen. 2,495,783, Jan. 31.
Loader, Automatic vehicle. T. T. Baldt. 2,496,192, Jan. 31.
Loading device for industrial trucks, Keg puller. D. Wessman. 2,496,079, Jan. 31.
Locator, Center. F. Leto. 2,496,099, Jan. 31.
Locking device, Automobile door safety. M. Miller. 2,495,860, Jan. 31.
Locking device, Hinged rod-joint. O. C. Ammons. 2,495,801, Jan. 31.
Low alloy steel containing titanium. E. Marburg. 2,495,854, Jan. 31.
Low-methoxyl polyvalent metal pectinate fibers. H. S. Owens and H. Lotzkar. 2,495,757, Jan. 31.
Lowering valve. W. T. Stephens. 2,495,785, Jan. 31.
Lug, Electrical connecting. J. Katzman and P. Dubilier. 2,495,734, Jan. 31.
Luggage section end wall having a peripheral undercut groove securing a buffer strip. W. S. Sykes. 2,496,182, Jan. 31.
Measuring device, Diameter. C. O. Holt. 2,496,212, Jan. 31.
Measuring device, Rotary. C. H. Kelley. 2,495,974, Jan. 31.
Measuring machine, Thermal distortion. G. Lubin. 2,495,746, Jan. 31.
Meat holder. E. S. Morfesi. 2,496,062, Jan. 31.
Mechanical movement. R. Mercier. 2,495,815, Jan. 31.
Metal identifier, Triboelectric. A. Doschek. 2,495,707, Jan. 31.
Metering system, Lubricant. D. M. Lawrence. 2,495,976, Jan. 31.
Mining machine, Oil shale. J. G. Findlater. 2,495,840, Jan. 31.
Minograph for photofluorography. E. R. Goldfield, R. J. Stava, and E. J. Bastin, Jr. 2,496,089, Jan. 31.
Modulator, Electric pulse. A. H. Reeves. 2,495,768, Jan. 31.
Mold and hot top, Ingot. W. W. Urmetz. 2,495,992, Jan. 31.
Mold and liner, Centrifugal. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,495,817, Jan. 31.
Molds, Producing investment. C. P. Mann. 2,496,170, Jan. 31.
Mop and wringer head, Combined. J. M. Johnson. 2,495,846, Jan. 31.
Morpholine derivatives in viscose spinning. K. R. Brown. 2,495,833, Jan. 31.
Motor for valves, Diaphragm. B. R. Jones. 2,496,215, Jan. 31.
Mount, Pocketed Photographic. J. S. Abrams. 2,496,141, Jan. 31.
Mounting: *See*—
Accordion hand mounting. strap Resilient mounting.
Wire terminal mounting.
Mounting for picker sticks in looms. W. H. Bahan. 2,495,803, Jan. 31.
Mounting for transparency slides. T. M. Jablon. 2,496,008, Jan. 31.
Mounting television receiving antennas. E. O. Johnson. 2,495,972, Jan. 31.
Movement for timekeepers, Electrical. F. Marti. 2,495,858, Jan. 31.
Mowing apparatus. P. R. Schroeppel. 2,495,986, Jan. 31.
Multiple chamber container. W. A. Nosik. 2,495,942, Jan. 31.
Multiplex system, Cathode-ray pulse time modulation. E. Labin and D. D. Grieg. 2,495,738, Jan. 31.
Multivibrator. A. H. Bartels. 2,495,684, Jan. 31.
Needle, Biopsy. H. Turkel. 2,496,111, Jan. 31.
Needle, Felting. E. P. Foster. 2,495,926, Jan. 31.
Needle, Phonograph. A. D. Kondrath. 2,495,934, Jan. 31.
Neutralising pectinic acid. H. S. Owens, R. M. McCready and W. D. Maclay. 2,495,756, Jan. 31.
Nozzle for suction cleaners. C. H. Taylor. 2,495,875, Jan. 31.
Oiler, Baby. D. E. Sullivan. 2,496,071, Jan. 31.
Optical system without change of magnification, Variable length. L. T. Sachtleben. 2,496,069, Jan. 31.
Oscillator, Frequency-modulated. G. L. Fernsler. 2,496,044, Jan. 31.
Overload indicating safety switch. R. L. Henry, Jr. 2,496,049, Jan. 31.
Packoff. G. F. Fermier. 2,496,154, Jan. 31.
Package and making same, Leakproof. R. A. Farrell. 2,496,043, Jan. 31.
Pad: *See*—
Umbilical hernia pad.
Parachute, Paper. J. H. Strong. 2,495,873, Jan. 31.
Paste dispenser. C. F. Geyer. 2,496,004, Jan. 31.
Phasing device for motor stators. J. A. Spencer. 2,496,826, Jan. 31.
Phenyl chloroformate, Preparation of. J. A. S. Hammond. 2,496,091, Jan. 31.
Phonograph, Multiple disk. P. U. Lannerd. 2,496,056, Jan. 31.
Pickup arm, Phonograph. L. R. Brothers. 2,496,035, Jan. 31.
Pickup for harvester gathering reels. A. D. Douglas. 2,496,002, Jan. 31.
Pin for body and truck bolsters, Center. S. B. Haseltine. 2,495,932, Jan. 31.
Pineapple juice, Processing of. G. M. Eguchi and C. H. Wells. 2,496,202, Jan. 31.
Pipe coupling. C. E. Knox, Jr. 2,496,167, Jan. 31.
Pipe pellet. C. Wynecoop. 2,496,862, Jan. 31.
Piston ring. A. H. Heinrich. 2,496,048, Jan. 31.
Plastic dip tank. J. E. Goldston. 2,495,961, Jan. 31.
Plate, Fracture nail and bone. E. J. Haboush. 2,496,126, Jan. 31.
Plate securing means. C. S. Crafts. 2,496,200, Jan. 31.
Plucker, Poultry. J. C. Lansisera. 2,496,223, Jan. 31.
Plug: *See*
Adjustable appliance plug.
Polymerization of unsaturated compounds, Continuous process for emulsion. E. C. H. Kolvoort and G. Akkerman. 2,496,222, Jan. 31.
Poly-n-vinyl lactam photographic silver halide emulsions. E. K. Bolton. 2,495,918, Jan. 31.
Popcorn machine. R. R. Perkins. 2,495,865, Jan. 31.
Positioning the specimen stage of optical apparatus. J. Hillier. 2,496,051, Jan. 31.
Power plant, Locomotive. P. S. Dickey. 2,496,041, Jan. 31.
Power take-off grain and forage unloader. W. H. Reinking. 2,495,907, Jan. 31.
Precision oil heater. W. T. Foley. 2,495,924, Jan. 31.
Preplanning device to indicate a camera field. N. R. Kelly. 2,495,975, Jan. 31.
Pressing of articles from metal powder. R. E. Rice. 2,495,823, Jan. 31.
Pressure booster and welding gun, Hydropneumatic. E. F. Paner. 2,496,104, Jan. 31.
Prevention of afterburning in a moving bed catalyst regeneration process. L. F. Strader. 2,495,786, Jan. 31.
Printing, Cinematographic sound-track. W. E. Pohl. 2,495,821, Jan. 31.
Propeller for stirring paints, Double. R. G. Hornik and S. E. Wood. 2,496,007, Jan. 31.
Propeller, Variable pitch. E. R. Lochman. 2,496,169, Jan. 31.
Pulley, Variable-speed clutch. C. H. Miner. 2,496,061, Jan. 31.
Pump: *See*—
Diametrically cooperating vane pump. Two-stage hydraulic pressure pump.
Pump for high-altitude aircraft, Rotary. I. I. Pinkel. 2,495,760, Jan. 31.
Purification of nicotinamide. J. R. Berg. 2,496,114, Jan. 31.
Pusher for industrial trucks, Load. J. T. Crawford. 2,496,039, Jan. 31.
Radar system, Echo-triggered. W. E. Bradley. 2,495,690, Jan. 31.
Radiant energy activation. S. Krasnow and L. F. Curtiss. 2,495,786, Jan. 31.
Radio beacon receiver control circuit. L. Dubin. 2,495,710, Jan. 31.
Radio locating and signaling system. E. Labin, D. D. Grieg, and A. M. Levine. 2,495,737, Jan. 31.
Railroad switch. V. La Grande. 2,496,098, Jan. 31.
Rake, Nut. E. C. Smith. 2,495,947, Jan. 31.
Reactance device, Periodically varying. E. Labin and M. C. Poyio. 2,495,741, Jan. 31.
Reaction products of an aldehyde and a triazine derivative, E. L. Kropa. 2,496,097, Jan. 31.
Receptacle: *See*—
Flexible pocket receptacle.
Record scanner with means to prevent false operation. W. W. Carpenter. 2,496,150, Jan. 31.
Recorder, Dial impulse. C. E. Reeves. 2,495,769, Jan. 31.
Recording and reproducing two-sided magnetic records. D. R. Goddard. 2,496,047, Jan. 31.
Recovering meal particles from peanut skins. J. W. Kuehn. 2,496,009, Jan. 31.
Recovery of cyclopentadiene. W. D. Spaulding and B. K. Wasserkrug. 2,496,107, Jan. 31.
Rectifier. J. M. Girard. 2,495,716, Jan. 31.
Refrigerating method and apparatus utilizing dry ice. G. B. Wagner. 2,496,241, Jan. 31.
Refrigerating unit, Domestic. H. W. Kleist. 2,496,220, Jan. 31.
Refrigeration apparatus. S. M. Bäckström. 2,496,143, Jan. 31.
Refrigerator car. B. E. Williams. 2,496,189, Jan. 31.
Remote control receiver. K. B. Austin. 2,495,916, Jan. 31.
Remote-control system. C. R. Miner. 2,495,917, Jan. 31.
Remover, Phonographic thread. H. J. Webb. 2,496,076, Jan. 31.
Removing coatings from surfaces. C. Hutson, J. C. Kidd, and C. E. Blair. 2,495,729, Jan. 31.
Repeater, Pulse correcting. H. L. Horwitz. 2,495,725, Jan. 31.
Repositioner machine. N. W. Lyon. 2,495,939, Jan. 31.
Resector, Mechanical. H. C. Cain. 2,495,694, Jan. 31.
Resilient mounting. F. F. Kishline. 2,496,219, Jan. 31.
Resinous condensation products from an aldehyde or a ketone and an N-alkenylarylamine. J. D. Danforth. 2,495,890, Jan. 31.
Retracting type theater chair. J. G. and T. W. Prosser 2,496,132. Jan. 31.

Reversing valve. N. A. Christensen. 2,496,036, Jan. 31.
Revolving cement mixer screen. A. Wehner. 2,496,077, Jan. 31.
Ring: *See*—
Clamping ring. Piston ring.
Rod: *See*—
Induction furnace push-out rod.
Rolling door. R. H. Greegor. 2,495,963, Jan. 31.
Saddle fixing for thermionic valve holders and other electrical components. S. T. Deakin. 2,495,888, Jan. 31.
Saggers, Making. C. Wentworth. 2,496,078, Jan. 31.
Saltcellar. G. D. Kolb. 2,495,899, Jan. 31.
Salvage valve. C. R. Nance. 2,495,754, Jan. 31.
Sash, Storm. M. R. Theilman. 2,495,877, Jan. 31.
Scaffold structure. W. Ashenfelter. 2,496,082, Jan. 31.
Scanning current generator. M. Cawein. 2,495,696, Jan. 31.
Scanning system for television receivers. G. Valensi. 2,495,790, Jan. 31.
Scraper for gun bores, Multisector. F. S. Webb. 2,495,793, Jan. 31.
Scraper, Rectal. T. H. Weller. 2,495,794, Jan. 31.
Screen: *See*—
Revolving cement mixer screen.
Seal for floating roof tanks. C. M. Orr and F. L. Goldsby. 2,495,755, Jan. 31.
Sealing arrangement, Wellhead. M. T. Works. 2,496,190, Jan. 31.
Sealing device, Fluid. J. H. F. Stewart. 2,495,871, Jan. 31.
Seam for woven wire fabric. A. G. Hose and D. C. Dilley. 2,496,052, Jan. 31.
Seat: *See*—
Foldable auxiliary baby seat.
Separator: *See*—
Centrifugal bowl separator.
Sharpener, Knife. J. J. Fiechter. 2,495,839, Jan. 31.
Sharpener, Knife. D. L. Marcantonio. 2,495,814, Jan. 31.
Sharpener, Single-edge razor blade. W. W. Syfert. 2,495,910, Jan. 31.
Sharpener, Wet grinding knife. E. W. Vars. 2,496,139, Jan. 31.
Shear. O. H. Pearson. 2,496,018, Jan. 31.
Sheet material, Splicing. J. C. Platt. 2,495,761, Jan. 31.
Shield for men's undergarments, Waterproof. J. J. Paige. 2,496,863, Jan. 31.
Shield for skillets and the like, Grease. H. E. De Ment and H. L. Wisnasky. 2,496,121, Jan. 31.
Shield for well logging instruments. D. Silverman. 2,495,781, Jan. 31.
Shock absorber, Friction. A. E. Dentler. 2,495,920–2, Jan. 31.
Shoe construction. Y. Peretti and G. Caccivio. 2,495,820, Jan. 31.
Shovel, Cleanout. C. L. Anderson. 2,495,802, Jan. 31.
Signal expansion or compression. G. K. Graham. 2,495,809, Jan. 31.
Signal for counters, Shielded service. K. S. Trenholm. 2,496,073, Jan. 31.
Signal generator. B. D. Loughlin. 2,495,938, Jan. 31.
Signaling device. L. E. Chilson. 2,495,698, Jan. 31.
Signaling device covered with waterproof vibration damping shield, Submarine. C. W. Mell, E. C. Ballentine, and J. V. O'Neill. 2,496,060, Jan. 31.
Silica-alumina-nickel dehydrogenation catalyst. B. B. Corson and G. A. Webb. 2,495,700, Jan. 31.
Sink and drainboard structure. H. Lindgren. 2,495,853, Jan. 31.
Sleeve valve. R. B. Laws. 2,495,900, Jan. 31.
Slicing device, Lemon. H. P. Rivet. 2,495,770, Jan. 31.
Sling and end fitting. F. W. von Wehrden. 2,495,951, Jan. 31.
Slip, Pipe holding. W. L. Pearce. 2,496,172, Jan. 31.
Slush pump valve. A. S. Volpin. 2,495,880, Jan. 31.
Small turbine generator. C. V. Litton. 2,495,745, Jan. 31.
Smoke consumer for locomotives. M. J. Pekich. 2,495,864, Jan. 31.
Snubber. W. L. Schlegel, Jr. 2,496,254, Jan. 31.
Socket and by-pass condenser, Combined tube. H. E. Kallmann. 2,496,095, Jan. 31.
Sofa. S. Kris. 2,495,849, Jan. 31.
Sole with detachable upper. E. M. Roy. 2,495,984, Jan. 31.
Sound detector system, Dual microphone. L. J. Anderson and A. H. Kettler. 2,496,031, Jan. 31.
Spearing machine, Tobacco. E. J. Stula. 2,495,874, Jan. 31.
Speech privacy apparatus. H. P. Hutchinson. 2,495,727, Jan. 31.
Spiral thermostatic switch. W. Orvedahl. 2,495,819, Jan. 31.
Splicer and viewer, Film. H. B. Corsaw. 2,495,957, Jan. 31.
Spreader and guide for electric selector switches, Contact brush. G. Deakin. 2,495,701, Jan. 31.
Spreader, Hand carried seed and fertilizer. W. E. Porter. 2,495,906, Jan. 31.
Spring clip. B. F. Kiesel. 2,495,848, Jan. 31.
Stabilization of perfluoro oils. W. B. Burford, III, and C. E. Weber. 2,496,115, Jan. 31.
Stabilizer for airplanes, Automatic. J. Marques. 2,496,100, Jan. 31.
Stand for photographic cameras, Telescopic. M. Dupeyron. 2,496,165, Jan. 31.
Statistical machine, Record card controlled. A. Thomas and A. H. Gausden. 2,496,138, Jan. 31.
Stave making machine, Concrete. P. D. Nelson. 2,496,016, Jan. 31.
Steel article, Light-colored enameled. G. F. Comstock and L. J. Frost. 2,495,835, Jan. 31.
Steel, Guitar. A. M. Zipperstein and B. Vitto. 2,496,191, Jan. 31.
Steel resistant to leaded fuels at high temperatures, Stainless. P. A. Jennings. 2,495,731, Jan. 31.
Stoma receiver. M. Perry. 2,496,175, Jan. 31.
Stop-recorder, Automatic. R. H. Roughsedge and H. G. Lustig. 2,495,825, Jan. 31.
Stroboscopic projection of intermittent film on television cameras. W. I. McCord. 2,496,102, Jan. 31.
Stylus. H. E. Schumacher. 2,496,023, Jan. 31.
Sugar purification, Ion exchange. F. L. Gayle. 2,496,244, Jan. 31.
Sunshade, Auto. A. C. Engelheart. 2,496,085, Jan. 31.
Support: *See*—
Adjustable support.
Support for brake beams, Safety. A. M. Nelsen. 2,496,015, Jan. 31.
Support for floating roof tanks, Seal. M. N. Lebedeff. 2,495,742, Jan. 31.
Surface gauge. H. Fink. 2,495,841, Jan. 31.
Surfacer for concrete blocks, Roller. W. R. George. 2,495,960, Jan. 31.
Switch: *See*—
Electric momentary switch. Railroad switch.
Spiral thermostatic switch.
Electric switch. Thermal switch.
Electromagnetic switch.
Overload indicating safety switch.
Switch device, Sequence. D. W. Johnson. 2,496,164, Jan. 31.
Switch for stranding machines, Safety. C. O. Bruestle and H. Wilken. 2,495,886, Jan. 31.
Synchronizing corrector circuit. R. G. Schuler. 2,495,946, Jan. 31.
Synthesis of a 2-substituted-5-oxopyrrolidine. H. W. Jacobson. 2,496,163, Jan. 31.
System for the protection of transmission lines using alternating currents. L. M. Van Daele and J. J. Ballet. 2,495,791, Jan. 31.
Table for center insertion, Extension. E. C. Booth. 2,496,195, Jan. 31.
Tank: *See*—
Elevated tank. Plastic dip tank.
Target elimination, Ground. R. F. Mozley. 2,495,753, Jan. 31.
Telegraph system, Alternating current. L. C. Roberts. 2,495,773, Jan. 31.
Telegraph system, Multiple frequency. L. Devaux. 2,495,705, Jan. 31.
Telemetric system. R. F. Pearson. 2,496,105, Jan. 31.
Telephone set, Voice-controlled two-way. J. N. Walter. 2,496,186, Jan. 31.
Telephone system. H. H. Hagens. 2,496,159, Jan. 31.
Telescopic sight. T. L. Ford. 2,496,045, Jan. 31.
Tenderizer, Meat. S. A. Slauson. 2,495,989, Jan. 31.
Tension test device for human hair. J. E. Hope. 2,496,053, Jan. 31.
Terminal, High-voltage insulator. S. Wald. 2,496,075, Jan. 31.
Tester, Wire. D. W. White, Jr., and R. M. Zabel. 2,496,029, Jan. 31.
Testing apparatus, Electrically controlled flicker fusion. R. H. Draeger and H. Friedman. 2,495,708, Jan. 31.
Testing equipment for electrical apparatus. G. C. Buck. 2,496,197, Jan. 31.
Textile sizing composition. G. D. Jefferson and R. D. Fine. 2,495,845, Jan. 31.
Thermal switch. M. K. Parkhurst. 2,496,229, Jan. 31.
Thermionic-valve system. M. K. Taylor and F. C. Williams. 2,495,949, Jan. 31.
Thread controlling device for sewing machines. W. C. Boyer. 2,496,116–17, Jan. 31.
Thread cutter and register means for book sewing machines, Automatic. W. B. Hildmann. 2,496,211, Jan. 31.
Tightening device for pipe wrenches, Grip. G. H. Clark. 2,495,699, Jan. 31.
Time-delay device, Magnetostrictive. E. Labin and D. D. Grieg. 2,495,740, Jan. 31.
Timing device, Engine. A. B. Rauscher. 2,495,765, Jan. 31.
Tipup, Ice fishing. J. W. Grohs. 2,496,090, Jan. 31.
Tire building machine. F. S. Sternad and J. P. Sapp. 2,496,137, Jan. 31.
Tone keyer control circuit. W. H. Bliss. 2,495,805, Jan. 31.
Tongs, Casing. O. Colquitt. 2,495,834, Jan. 31.

Tool: *See*—
Fastener removal tool.
Tool for perforating glass tile. J. F. Iselin. 2,495,971, Jan. 31.
Tool with swivel head, Portable. M. Trapet. 2,496,027, Jan. 31.
Torch machine, Double rectilinear. O. Thurman, Jr. 2,496,110, Jan. 31.
Tow cable cutter. L. B. S. Jessen. 2,495,732, Jan. 31.
Toy, Ball operated climbing. G. H. Porter. 2,495,982, Jan. 31.
Traction device for automotive vehicles. F. Cesen. 2,496,119, Jan. 31.
Trailer, Harrow elevating and transporting. J. Eaves, Jr., and J. C. Jones. 2,496,153, Jan. 31.
Trailer, Housekeeping, turtleback. W. R. King. 2,496,055, Jan. 31.
Train, Aerial. J. W. P. Fleming. 2,496,087, Jan. 31.
Training model, Weight and balance. C. F. Drown, N. H. Zimmerman, and W. C. Ross. 2,495,709, Jan. 31.
Transferring apparatus, Liquid. C. N. Pogue. 2,495,905, Jan. 31.
Transmission. A. C. Ripke. 2,495,824, Jan. 31.
Transmission and throttle controlling device. R. C. Wallace. 2,495,993, Jan. 31.
Transmission system, Frequency-modulated. G. T. Royden. 2,495,776, Jan. 31.
Transparent-effect display. G. H. Mesamore. 2,496,171, Jan. 31.
Trap: *See*—
Animal trap.
Tray, Freezing. F. W. Sampson. 2,496,133, Jan. 31.
Treble action for accordions. W. B. Ahern and A. J. Walt. 2,495,913, Jan. 31.
Trim attaching device. G. J. Soukup. 2,495,870, Jan. 31.
Trouser and skirt hanger. A. E. Ullrich. 2,496,238, Jan. 31.
Truck. E. K. Peterson. 2,495,943, Jan. 31.
Truck for turntables. J. Jones. 2,495,813, Jan. 31.
Tube: *See*—
Electric discharge tube. X-ray tube.
Tube comprising a liquid cathode and a capacitative ignition electrode provided therein, Electric discharge. N. Warmoltz. 2,495,831, Jan. 31.
Tube having annular electrodes, Electron. H. H. Eaves. 2,496,003, Jan. 31.
Tuner, Permeability. D. Mackey. 2,496,058, Jan. 31.
Tuning device, Reactance. C. V. Litton. 2,495,744, Jan. 31.
Turbine impeller wheel. R. J. Marcoe. 2,495,855, Jan. 31.
Two-stage hydraulic pressure pump. B. Beaman, J. Hulman, and R. A. Stein. 2,495,885, Jan. 31.
Umbilical hernia pad. P. Ambrose. 2,496,081, Jan. 31.
Undercarriage for self-laying track type vehicles. R. W. Smith. 2,496,136, Jan. 31.
Underwater sound generator. J. M. Ide. 2,495,730, Jan. 31.
Unloading apparatus for vehicles. V. B. King. 2,495,898, Jan. 31.
Unloading valve. E. J. Vander Velde. 2,495,879, Jan. 31.
Vacuum street cleaner. I. M. Wells. 2,496,028, Jan. 31.
Valve: *See*—
Internal-combustion engine valve.
Lowering valve.
Reversing valve.
Salvage valve.
Sleeve valve.
Slush valve.
Unloading valve.
Valve. G. V. Powers. 2,496,176, Jan. 31.
Valve control for crankcase compression engines. A. Starts. 2,495,784, Jan. 31.
Valve for tires. P. M. Bourdon. 2,495,955, Jan. 31.
Valve mechanism, Blowoff. C. G. Learned and E. L. Cull. 2,495,901, Jan. 31.
Valve mechanism for clutches and brakes, Control. W. W. Criley. 2,496,040, Jan. 31.
Vegetable gel. L. I. De Voss, A. C. Beckel, and P. A. Belter. 2,495,706, Jan. 31.
Vehicle: *See*—
Children's vehicle.
Venetian blind. G. Jones. 2,495,973, Jan. 31.
Venetian blind tilt shaft mechanism. F. J. Burns. 2,495,888, Jan. 31.
Ventilating system for Diesel houses. H. G. Miller and C. E. Brophy. 2,495,816, Jan. 31.
Ventilating system for overhead crane cabs. H. Hemming. 2,496,209, Jan. 31.
Ventilator construction. C. J. Wagner. 2,495,830, Jan. 31.
Vessel for storage of liquids at low temperatures. I. L. Wissmiller. 2,495,798, Jan. 31.
Visor, Sun. A. F. Moore. 2,496,129, Jan. 31.
Visual inspection by comparison with a series of three-dimensional pictures. A. E. Dennis. 2,495,703, Jan. 31.
Voting machine with mechanism for group voting. R. F. Shoup. 2,496,106, Jan. 31.
Wagon, Combination farm. J. Bellinghausen. 2,495,678, Jan. 31.
Wall picture hanger. A. Foltis. 2,495,712, Jan. 31.
Warp beam for looms. A. Palmer and O. V. Payne. 2,496,228, Jan. 31.
Warp tying machine for operating upon leased warps. C. B. Crandall. 2,496,038, Jan. 31.
Washing device. J. D. Berry. 2,496,033, Jan. 31.
Water-treating process and apparatus. J. P. Lawlor. 2,495,937, Jan. 31.
Weather strip. C. M. Casperson. 2,496,084, Jan. 31.
Welded reinforcement. G. L. Smith. 2,495,782, Jan. 31.
Wheel: *See*—
Turbine impeller wheel.
Wheel for agricultural machines. E. J. Allman. 2,495,952, Jan. 31.
Window holding device. E. E. Foster. 2,495,713, Jan. 31.
Window sash fastener. G. Z. Guinard. 2,495,930, Jan. 31.
Wire and mounting, Orthodontic arch. A. B. Brusse. 2,495,692, Jan. 31.
Wire line cutter. F. Austin. 2,495,953, Jan. 31.
Wire terminal mounting. R. H. Bentley. 2,496,145, Jan. 31.
Worktable supporting structure. A. C. Peterson. 2,496,230, Jan. 31.
X-ray tube. J. H. van der Tuuk and J. J. Smit. 2,496,112, Jan. 31.
Xylenes, Production of. G. Purcell and D. C. Hausch. 2,496,253, Jan. 31.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 31, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

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Patents expiring: Patent Numbers 1,896,061 to 1,897,027, inclusive, issued February 7, 1933, expire February 7, 1950

Condition of Applications Under Examination at Close of Business Jan. 20, 1950

Total number of patent applications awaiting action, 139,917. Date of oldest new application, March 16, 1948; date of oldest amended application, January 14, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	3-2-49	5-22-48	2614
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	11-24-48	2-6-48	2555
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	8-19-49	8-16-49	713
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	10-29-48	1-14-48	2825
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	4-13-49	6-11-48	1554
6. SURLE, H., Carbon Chemistry (part)	4-22-49	2-11-49	1548
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	5-10-49	5-11-49	1239
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	6-7-48	3-1-48	2872
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-9-48	4-21-48	2205
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-2-49	1-28-49	1528
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	12-27-48	6-26-48	2022
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-7-49	3-18-48	1737
13. BEALL, T. E., Gear Cutting, Milling, Planing. Metal Working (part); Needle and Pin Making; Turning.	6-9-48	7-2-48	1792
14. MANIAN, Joseph C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery	4-19-49	1-8-49	1183
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-13-49	11-23-48	1643
16. LOVEWELL, N. N., Television; Telephony	5-10-49	1-13-49	1108
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	8-30-48	2-27-48	2284
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	12-27-48	5-11-48	2524
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-25-49	8-2-48	1462
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	1-19-49	5-1-48	1941
21. MADER, R. O., Textiles	10-27-48	10-14-48	1458
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	8-2-48	6-23-48	1284
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-27-49	10-8-48	895
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	2-10-49	2-17-49	2539
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-8-49	10-1-48	1672
26 YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	4-25-49	4-5-49	990
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-20-48	2-13-48	3115
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-25-49	9-9-48	1822
29. HABECKER, Leon B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-17-48	4-22-48	3092
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	5-20-49	5-20-49	1757
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-12-49	5-10-49	2062
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-31-49	12-2-48	1741
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	7-30-48	4-28-48	4017
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	1-6-49	9-10-48	1188
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	1-15-49	2-13-48	2220
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-23-48	2-25-48	1951
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-29-49	8-12-48	1121
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	4-5-49	1-26-49	1551
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves, Water Distribution	3-29-49	1-15-48	3030
40. DRUMMOND, E. J., Receptacles (part); Packages	4-9-49	8-5-48	3280
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-5-49	4-1-48	2091
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	9-18-48	9-3-48	2202
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers.	4-2-49	3-5-49	1002
44. HARVEY, L. P., Beds; Chairs, Seats	7-16-48	2-24-48	2117
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-6-49	7-28-48	2396
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-26-48	6-18-48	1540

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 139,917. Date of oldest new application, March 16, 1948; date of oldest amended application, January 14, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-29-49	10-26-48	2046
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	4-22-49	7-9-48	1381
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	11-8-48	6-7-48	2135
50. LEVIN, SAMUEL, Synthetic Resins	6-1-49	4-1-49	1840
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-26-49	1-4-49	1359
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-10-48	4-22-48	3762
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-7-49	9-8-48	1761
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-7-49	12-8-48	1168
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	4-15-49	1-22-49	1498
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	4-21-49	1-21-49	1978
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	4-1-49	7-1-48	1946
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-29-49	5-29-48	1733
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	2-2-49	8-16-48	1305
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	6-11-49	2-2-49	1043
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-16-48	2-19-48	2560
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	4-2-49	6-19-48	2541
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	2-2-49	2-2-49	2080
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-27-49	6-21-49	1622
65. MORSE, EXCELLENZA L., (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination.	4-22-49	8-5-48	2053
66. LISANN, I., Geometrical Instruments	1-19-49	3-2-48	1672
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-30-49	11-4-48	1642
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	6-8-49	3-17-49	1280
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	4-22-49	4-8-48	2083
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-21-49	11-24-48	2090
DESIGNS: BREHM, G. L.	6-1-48	6-20-49	5967

Total number of trade-mark applications awaiting action (including renewals and republications), 27,271. Date of oldest new application, Jan. 3, 1949; date of oldest amended application, Dec. 1, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 20, 31, 33, 44, 50	1-3-49	1-7-49	4491
2. KASCHUB, H. E., Class 46	1-31-49	2-4-49	3949
3. SUMMERS, G. S., Classes 21, 23, 26	1-19-49	7-9-49	3291
4. BARR, E., Classes 3, 7, 30, 40, 41, 42, 43	1-3-49	12-1-48	4371
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	1-7-49	1-7-49	3395
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 23, 27, 28, 29, 34, 35	2-9-49	5-2-49	4145
7. KEYS, O. M., Classes 2, 16, 19, 36, 55	1-18-49	1-5-49	2927
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-14-49	12-1-49	361
	11-29-49	12-1-49	341

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

JEFFREY MFG. CO. *v.* KINGSLAND

No. 9941. Decided December 12, 1949

[— F.2d —; 83 USPQ 494]

1. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—REJECTION REVERSED—DECISION OF COURT NOT RES JUDICATA.

Where the Patent Office rejected all claims of appellant's application and the Court of Customs and Patent Appeals reversed the rejection as to two of the claims, and where upon return of the case to the Patent Office those claims whose rejection had been affirmed by the court were canceled, and then the Examiner rejected the remaining claims on the basis of a newly discovered reference to the prior art, *Held*, that a decision of the Court of Customs and Patent Appeals was not res judicata as to the right of appellant to Letters Patent.

2. SAME—SAME—SAME.

Held that the decision of the Court of Customs and Patent Appeals reversing the rejection as to two of the appealed claims did not operate as a mandate to issue the patent; its effect was simply to remand the case for further proceedings by the Patent Office not inconsistent with the court's decision.

APPEAL from the District Court of the United States for the District of Columbia (now United States District Court for the District of Columbia).

AFFIRMED.

Harker H. Hittson, with whom *Edwin B. Gary* was on the brief, for Jeffrey Mfg. Co.

Edwin L. Reynolds, Solicitor, United States Patent Office, with whom *W. W. Cochran*, former Solicitor, United States Patent Office, was on the brief, for Kingsland.

Before: CLARK, WILBUR K. MILLER and PROCTOR, *JJ.*

PROCTOR, *J.:*

The question here is whether, after the Court of Customs and Patent Appeals reverses a rejection of a patent application, the Patent Office may still deny the application on the basis of an additional reference to the prior art not previously cited.

[1] The Patent Office rejected all claims of appellant's application. Upon appeal the Court of Customs and Patent Appeals reversed the rejection as to two of the claims. Upon return of the case to the Patent Office those claims whose rejection had been affirmed by the court were canceled. This was in keeping with the decision. The Examiner then rejected the remaining claims on the basis of a newly discovered reference to the prior art, and on other grounds not here important.

In dismissing appellant's complaint, seeking to compel issuance of the patent, Judge Holtzoff filed an opinion (77 F. Supp. 617) holding that a decision of the Court of Customs and Patent Appeals was not res judicata as to the right of appellant to Letters Patent. We agree with this conclusion.

[2] In our opinion the decision of the Court of Customs and Patent Appeals did not operate as a mandate to issue the patent. Its effect was simply to remand the case for further proceedings by the Patent Office not inconsistent with the court's decision. There was nothing in the second rejection, based as it was upon the new reference, in conflict with that decision.

We find no controlling case directly in point. Yet there is persuasive force in the statement of Justice Roberts in *Hoover Co.* v. *Coe*, 325 U. S. 79, 89, 89 L. Ed. 1488 (1945). Speaking for a unanimous Court he said:

> . . . where an applicant has succeeded in a bill filed under R. S. 4915, the courts have not questioned the power of the Patent Office subsequently to disallow the claims for want of invention over a newly discovered reference to the prior art.

See also *Philadelphia Storage Battery Co.* v. *Zenith Radio*, 117 F.2d 642, C. C. A. 7th 1941; *Moore* v. *United States ex rel. Chott*, 40 App. D. C. 591 (1913).

If it be the rule as to suits under Section 4915 (35 U. S. C. § 63) that new grounds for rejection may be advanced after return of the case from a district court, then there can be no question as to the propriety of such further action after a return from the Court of Customs and Patent Appeals under Section 4914 (35 U. S. C. § 62). For under that section the scope of an appeal is limited to the evidence produced before the Commissioner of Patents, and the decision of the court is confined to the points set forth in the reasons of appeal. Then, as provided by the statute, upon return of the case to the Commissioner the decision "shall govern the further proceedings in the case." We do not think, as appellant contends, that this latter provision restricts further action of the Commissioner to the formality of issuing the Letters Patent where the Patent Office has been reversed. The court's decision is not a judgment. It carries no mandate to issue the patent. See McCrady, Patent Office Practice 276, 286 (2d ed. 1946). It is simply an instruction, which the Commissioner must follow, regarding the particular points involved in the appeal. We are supported in this view by the Supreme Court in *Postum Cereal Company* v. *California Fig Nut*

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Company, 272 U. S. 693, 698, 71 L. Ed. 478 (1927). That case involved a decision of this court in a trade-mark case on appeal from a ruling of the Patent Commissioner. Chief Justice Taft likened the appeal to those entertained by this court under Section 4914, prior to transfer of that appellate jurisdiction to the Court of Customs and Patent Appeals. In speaking of the decision of this court in the trade-mark case, the Chief Justice said:

> The decision of the court of appeals under § 9 of the act of 1905 is not a judicial judgment. It is a mere administrative decision. It is merely an instruction to the Commissioner of Patents by a court which is made part of the machinery of the Patent Office for administrative purposes.

The early case of *Arnold* v. *Bishop*, 1 Fed. Case 1168, Case No. 553 (1841), was an appeal to the Chief Justice of the Circuit Court for the District of Columbia. There he was dealing with Section 11 of the act of 1839, conferring appellate jurisdiction upon the occupant of his office substantially similar to that now exercised by the Court of Customs and Patent Appeals under present R. S. 4914. Concerning the limited effect of his decisions, Chief Justice Cranch said:

> The words of the act are, that the judge's decision "shall govern the further proceedings of the Commissioner in such case." This must apply only to so much of the case as is involved in the reasons of appeal; and the appeal itself can be considered only as an appeal to so much of the decision of the Commissioner as is affected by such reasons. *If, therefore, after the judge shall have decided in favor of the applicant upon the points involved in his reasons of appeal, other sufficient reasons remain for refusing the claim for a patent, untouched by the decision of the judge, it would seem that the Commissioner might properly still reject it.* [Italics supplied.]

So too, the Court of Customs and Patent Appeals voiced a similar view in the recent case of *Krasnow* v. *Bender*, 36 CCPA —, 170 F.2d 560 (1948). Citing with approval Judge Holtzoff's opinion in the case now before us, the court said at page 564:

> There may be good legal reasons why a prevailing application in a proceeding such as this, in the light of knowledge acquired by the Patent Office when such application is returned for an ex parte proceeding, should not be allowed to ripen into a patent, and when any such reason exists under those circumstances, it will, in our opinion, be recognized by that office.

See also *In re Smith*, 17 CCPA 752, 36 F.2d 522 (1929); *In re Tucker et al.*, 19 CCPA 810, 54 F.2d 814 (1931). It is important to note that these cases deal directly with the effect of decisions by the Court of Customs and Patent Appeals in proceedings under Section 4914.

There is another reason, equally important, why res judicata should not apply in the circumstances of this case. The public has a substantial interest in the granting of every patent. This dominant influence has been emphasized by the Supreme Court. *Densmore* v. *Scofield*, 102 U. S. 375, 378, 26 L. Ed. 214 (1880); *Mercoid Corp.* v. *Mid-Continent Co.*, 320 U. S. 661, 665, 88 L. Ed. 376 (1944). In the case of *In re Drawbaugh*, 9 App. D. C. 219, 240 (1896), we find this impressive statement by Chief Justice Alvey:

> The patent should not issue as an experiment upon the public, nor to embarrass or infringe the use of other inventions having just priority. To every application for a patent the public is a party in an important sense, more than that of mere formal grantor. It is substantially interested in preventing the people from being harassed by the claims of a monopoly, when in fact there may be no just grounds for such claims . . . If, therefore, there be any substantial, reasonable ground within the knowledge or cognizance of the Commissioner why the patent should not issue, whether the specific objection be raised and acted upon by the examiners or not, it is his duty to refuse the patent; and especially is it so, when the Primary Examiner and the Examiners-in-Chief have found such ground for refusal to exist.

See also *Warner* v. *Smith*, 13 App. D. C. 111, 114 (1898); *Vanore* v. *Improta*, 25 F.2d 918, 923, 58 App. D. C. 130 (1928).

In support of its contention, appellant refers to the opinion of Judge Prettyman in *Knutson* v. *Gallsworthy*, 82 U. S. App. D. C. 304, 164 F.2d 497 (1947), an appeal from the district court of a proceeding under Section 4915. But we note the court's statement that it did not have a res judicata question before it (p. 308), and was not dealing with the problem of prior art references newly discovered after the court's adjudication (p. 309). Yet, these are the very questions which we have had to decide in the present case with reference to a decision of the Court of Customs and Patent Appeals in a Section 4914 proceeding.

The judgment of the district court is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,718,332, V. U. Cloer, Process of selecting cotton seed; 2,112,159, S. B. Jackson, Apparatus for treating seeds, filed Dec. 30, 1949, D. C., N. D. Ga. (Newman), Doc. 194, *Chemical Delinting Co.* v. *Georgia Chemical Delinting Co. et al.*

1,732,871, I. H. Wilsey, Rotary machine, D. C., N. D. Ill. (Chicago), Doc. 48c1750, *Tuthill Pump Co.* v. *R. A. Wilsey et al.* Cause dismissed for lack of justifiable case or controversy Dec. 15, 1949.

1,754,388, P. S. Harper, Gas burner; 1,964,287, same, Double range gas cock; 1,964,288, same, Gas cock and burner, D. C., E. D. Mich. (Detroit), Doc. 6348, *Harper-Wyman Co. et al.* v. *Lincoln Brass Works, Inc.* Stipulation and order of dismissal without prejudice (notice Dec. 20, 1949).

1,835,523. (See 1,856,627.)

1,856,627, H. W. Fletcher, Cutter for earth boring drill; 1,983,316, Scott & Garfield, Three cone bit; 2,030,442, same, Roller bearing bit; 2,011,084, F. L. Scott, Mounting for drill cutters; 1,865,706, 1,835,523, C. E. Reed, Earth boring drill; 1,997,345, same, Roller cutter assembly for earth boring drill; 2,047,110, same, Earth boring apparatus; 2,058,624, same, Roller cutter drill; 2,065,742, same, Roller cutter spindle and bearing assembly for earth boring drills, filed July 19, 1947, D. C., W. D. Okla. (Oklahoma City), Doc. 3685, amendment to counterclaim filed April 12, 1948, *Hughes Tool Co.* v. *Chicago Pneumatic Tool Co.*

1,865,706. (See 1,856,627.)

1,888,234, E. J. Miller, Method of and apparatus for applying wall finishes; 1,960,276, same, Apparatus for applying wall finishes, C. C. A., 8th Cir., Doc. 13957, *Perma-Stone Co.* v. *Dur-O-Stone Corp. et al.* Judgment affirmed Dec. 30, 1949.

1,903,659, R. J. Smith, Machine and method for applying fastener elements; 2,026,413, Binns & Dehart, Method and machine for making flexible closures; 2,078,016, N. J. Poux, Method of forming interlocking members for separable fasteners; 2,078,017, 2,169,176, same, Method of making separable fasteners; 2,437,793, D. Silberman, Zipper manufacturing machinery, filed Oct. 17, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10450–C, *Talon, Inc.* v. *Union Slide Fastener, Inc.*

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, D. C., N. D. Ala. (Birmingham), Doc. 6231, *Park-In Theatres, Inc.* v. *N. H. Waters, Sr. et al.* Action dismissed (notice Dec. 21, 1949). Same, D. C. Idaho (Boise), Doc. 2563–S, *Park-In Theatres, Inc.* v. *J. F. Knuth*, Doc. 2564–S, *Park-In Theatres, Inc.* v. *J. W. Naylor.*

1,955,740, W. Dzus, Fastening device; 2,054,519, same, Fastener handle, filed Oct. 19, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10457–C, *Dzus Fastener Co., Inc.* v. *Guy Whitaker Co., Inc.*

1,960,276. (See 1,888,234.) 1,964,287. (See 1,754,388.)

1,964,288. (See 1,754,388.)

1,969,875, 2,092,244, E. P. Charak, Drop Leaf table; 2,071,729, same, Extension table (Declaratory Judgment), D. C., S. D. N. Y. Doc., 47/474, *The Albano Co., Inc.* v. *Charak Furniture Co. et al.* Order dismissing cause for lack of prosecution Dec. 6, 1949.

1,983,316. (See 1,856,627.) 1,997,345. (See 1,856,627.)

2,011,084. (See 1,856,627.) 2,026,413. (See 1,903,659.)

2,030,442. (See 1,856,627.)

2,042,158, R. L. McKinney, Door, filed Dec. 15, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1919, *Crawford Door Co.* v. *The Commander Door, Inc.*

2,047,110. (See 1,856,627.) 2,054,519. (See 1,955,740.)

2,058,624. (See 1,856,627.) 2,065,742. (See 1,856,627.)

2,066,346, W. Greig, Manifold record supply packet; 2,120,161, H. Stevens, Unitary manifolding assembly, D. C., S. D. N. Y., Doc. 50/195, *Moore Business Forms, Inc.* v. *A. J. Gaving Press, Inc.* Consent judgment favor of plaintiff, sustaining patents, granting injunction Dec. 23, 1949.

2,071,729. (See 1,969,875.) 2,078,016. (See 1,903,659.)

2,078,017. (See 1,903,659.) 2,092,244. (See 1,969,875.)

2,112,159. (See 1,718,332.)

2,114,939, A. A. Radtke, Method and means for optically reproducing sound, D. C., S. D. N. Y., Doc. 9/129, *Photometric Products Corp. et al.* v. *Warner Bros. Pictures, Inc.* Judgment dismissing complaint of R V. Judson Dec. 16, 1942, cause dismissed for lack of prosecution Dec. 6, 1949.

2,116,479, M. B. Reach, Inflated ball, filed Dec. 27, 1949, D. C. Ohio (Toledo), Doc. 6284, *A. G. Spalding & Bros., Inc., et al.* v. *Ohio-Kentucky Mfg. Co.*

2,120,161. (See 2,066,346.)

2,130,260, D. H. Brandes, Position Signaling device, filed Dec. 13, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10707–PH, *Sutone Corp.* v. *Lumidor Mfg. Co.*

2,163,660, W. M. Brooks, Bag seal, D. C., N. D. N. Y. (Utica), Doc. 3419, *E. J. Brooks Co.* v. *Scott-Jayson Corp.* Injunction Nov. 12, 1949.

2,169,176. (See 1,903,659.)

2,173,808, G. D. Kellogg, Structural unit, filed Dec. 13, 1949, D. C., S. D. Ind., Evansville, Doc. 422, *Johns-Manville Corp. et al.* v. *Brittain-Colvin Mfg. Corp., Inc.*

2,196,823. M. Breth. Cloth laying machine, filed Dec. 20, 1949, D. C., S. D. N. Y., Doc. 54/295, *Cutting Room Appliances* v. *Empire Cutting Machine Co., Inc., et al.*

2,208,374, H. M. Lewis, Television receiving system; Re. 22,055, P. M. Toulon, Synchronizations system for television, filed Dec. 19, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1941, *Sentinel Radio Corp.* v. *Haseltine Research, Inc.*

2,378,343, J. M. Walter, Machine tool guide way, D. C., S. D. Ohio (Cincinnati), Doc. 1620, *The G. A. Gray Co.* v. *Cincinnati Planer Co.* Claims 2, 6 and 7 held valid and infringed, injunction, defendant's counterclaim dismissed (notice Dec. 27, 1949).

2,427,961, Group & Schonholtz, Watch dial construction, D. C., S. D. N. Y., Doc. 44/183, *Berna Swiss Dials, Inc.* v. *Swiss Watch Dial Co., Inc.* Order dismissing cause for lack of prosecution Dec. 6, 1949.

2,431,238, T. Friedman, Process of locking flat members to bodies, D. C., S. D. N. Y., Doc. 44/749, *American Strainer Corp. et al.* v. *Metro Plastics, Inc., et al.* Order dismissing cause for lack of prosecution Dec. 6, 1949.

2,437,793. (See 1,903,659.)

2,452,891, Y. Amber, Garment clamp, filed Nov. 22, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10590–C, *Amber Mfg. Co.* v. *Newhouse Co.*

2,458,971, H. E. Wilson, Method and apparatus for wrapping saw blades, filed Dec. 16, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1922, *Pittsburgh-Erie Saw Corp.* v. *A. D. Valiquet.*

2,460,636, C. M. Holloway, Self-sealing electric light socket for refrigerator panels, filed Dec. 16, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1932, *United Mfg. & Service Co.* v. *Holwin Corp.*

2,462,242, P. S. Weed et al., Silicone surfaced cooking implement, filed Dec. 22, 1949, D. C. N. J. (Newark), Doc. 1014/49, *Processed Surfaces, Inc., et al.* v. *Embree Mfg. Co., Inc.*

2,463,484, K. A. Gelpke, Spindle adapter, filed Dec. 29, 1949, D. C. Del. (Wilmington), Doc. 1292, *F. L. Repnery Corp.* v. *Gelco Development Corp.*

2,473,938, A. H. Cannizzaro, Combined photograph album and music box, filed Dec. 22, 1949, D. C., S. D. N. Y., Doc. 54/322, *The Camille Co., Inc.* v. *Mutual Specialty Products et al.*

2,475,406, R. A. Russell, Remote control counterbalance tilting joint for umbrellas, filed Dec. 8, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10693–c, *California Umbrella Co. et al.* v. *State Mfg. Co. et al.*

2,478,340, J. A. Talalay, Apparel pad and method of making same, filed Dec. 28, 1949, D. C., S. D. N. Y., Doc. 54/353, *Perma Fit Shoulder Pad Co., Inc.* v. *Best Made Shoulder Pad Corp. et al.*

Re. 22,055. (See 2,208,374.)

Des. 149,037, G. Backer, Woven plastic fabric, D. C., S. D. N. Y., Doc. 47/5, *Newcastle Fabrics Corp.* v. *Gordon Textile Co., Inc.* Order dismissing cause for lack of prosecution Dec. 6, 1949.

Des. 151,461, L. E. Meadow, Handbag, D. C., S. D. N. Y., Doc. 48/648, *Lujean Rug Co., Inc.* v. *Tally-Ho Creations, Inc.* Stipulation of discontinuance (notice Dec. 21, 1949).

Des. 151,732, W. G. Bley, Lady's stocking, filed Dec. 29, 1949, D. C., S. D. Tex. (Houston), Doc. 5368, *Sanson Hosiery Mills, Inc. et al.* v. *Pollyanna Shops, Inc.* Same, filed Jan. 9, 1950, D. C., E. D. Va. (Richmond), Doc. 1105, *Sanson Hosiery Mills, Inc., et al.* v. *Pollocks, Inc.* Same, filed Jan. 11, 1950, D. C., N. D. Ga. (Atlanta), Doc. 3785, *Sanson Hosiery Mills, Inc., et al.* v. *Sonya Shops.* Same, filed Jan. 3, 1950, D. C. N. J. (Newark), Doc. 2/50, *Sanson Hosiery Mills, Inc., et al.* v. *Oppenheim Collins & Co., Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 251,023. (See T. M. 374,678.)

T. M. 374,678, M. G. Neumann, Hair dressing, pomade, hair oil, etc.; T. M. 251,023, L. S. Cahill, Hair grower, D. C, N. D. Ill. (Chicago), Doc. 48c1027, *Valmor Products Co.* v. *L. R. Kaliman et al.* Paul Axelrod added as party defendant, and suit dismissed with prejudice Nov. 25, 1949.

NOTICES

Notice of Tentative Recordation of Trade Names

T. D. No. 52,382

Tentative recordation of trade names under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Jan. 6, 1950

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade names under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"ATALANTA" and "KRAKUS", owned by Atalanta Products Corporation, 71 Hudson Street, New York 13, New York, applied to canned meats imported from Poland.

The recordation of the foregoing trade names shall become final at the expiration of 30 days after January 10, 1950. Any person who desires to file an opposition to the recordation of these trade names shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade names shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Commissioner of Customs.

Adjudicated Patents

(D. C. Mass.) Lawson Patent No. 2,009,361, for a knitted fabric. Claims 1, 10, 11, 13 and 15 *Held* invalid. *Scott & Williams* v. *Lasticnit Co.*, 86 F. Supp. 994; 83 USPQ 419; 83 USPQ 447.

(D. C. Ohio) Gardner Patent No. 2,083,442, for a humidifying display cabinet. Claim 1 *Held* invalid. *C. V. Hill & Co.* v. *Royal Store Equipment Distributors of Cincinnati, Ohio*, 86 F. Supp. 992.

(D. C. Ohio) Caulk Patent No. 2,382,937, for an open refrigerated display case, *Held* invalid. *Id.*

(D. C. Ohio) Hill Design Patent No. 132,475, for a design for a self-service display case, *Held* not infringed. *Id.*

(D. C. Ohio) Hoffman Design Patent No. 144,380, for a design for a self-service display case, *Held* not infringed. *Id.*

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,375,756, J. R. Bates, Catalysis, decided Oct. 25, 1949, claim 2.

Pat. 2,421,747, G. B. Engelhardt, Object locating system, decided Dec. 30, 1949, claims 6 and 7.

Pat. 2,430,157, W. Byrd, Jr., Magnetic separator for removing finely divided magnetic material from liquids, decided Dec. 1, 1949, claims 19, 20, 21, and 22.

Classification Bulletins Nos. 227 through 242

Classification Bulletins containing the definitions of the following patent classes, complete as amended through Classification Order No. 60 of November 16, 1949, are now available and may be obtained from the Commissioner of Patents at the prices indicated.

Class	Title	Bulletin No.	Price
89	Ordnance	227	$0.10
91	Coating	228	.10
92	Paper Making and Fiber Liberation	229	.10
93	Paper Manufactures	230	.10
94	Roads and Pavements	231	.10
97	Plows	232	.15
98	Ventilation	233	.10
99	Foods and Beverages	234	.35
102	Ammunition and Explosive Devices	235	.15
103	Pumps	236	.25
106	Compositions, Coating or Plastic	237	.25
107	Bread, Pastry, and Confection Making	238	.10
108	Roofs	239	.10
111	Planting	240	.10
112	Sewing Machines	241	.15
113	Sheet Metal Ware, Making	242	.10

Disclaimers

2,264,322.—*Arthur H. Maynard*, Warwick, R. I. FASTENER APPLYING IMPLEMENT. Patent dated Dec. 2, 1941. Disclaimer filed Jan. 7, 1950, by the assignee, *Bostitch, Inc.*

Hereby enters this disclaimer to claims 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 24, 29, 30, and 31.

2,309,763.—*Charles B. Goodstein*, Brooklyn, N. Y. FASTENER-APPLYING DEVICE. Patent dated Feb. 2, 1943. Disclaimer filed Jan. 7, 1950, by the assignee, *Bostitch, Inc.*

Hereby enters this disclaimer to claims 1 to 9 inclusive, and claim 14 of said patent.

2,410,424. *Charles H. Brown*, Baldwin, N. Y. OBSTACLE DETECTION SYSTEM. Patent dated Nov. 5, 1946. Disclaimer filed Jan. 6, 1950, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claim 18 of said patent.

2,446,700. *William M. Giles*, San Diego, Calif. and *Clement M. Kucera*, Houston, Tex. THROTTLE CONTROL DEVICE OPERABLE TO CONTROL REVERSIBLE PITCH PROPELLERS. Patent dated Aug. 10, 1948. Disclaimer filed Dec. 29, 1949, by the assignee, *Consolidated Vultee Aircraft Corporation.*

Hereby enters this disclaimer to claims 6, 8, 10, and 16 of said patent.

DRAWINGS

ARRANGEMENT OF VIEWS

Rule 84(*j*).—All views on the same sheet must stand in the same direction and should, if possible, stand so that they can be read with the sheet held in an upright position. If views longer than the width of the sheet are necessary for the clearest illustration of the invention, the sheet may be turned on its side. The space for a heading must then be reserved at the right and the signatures placed at the left, occupying the same space and position on the sheet as in the upright views and being horizontal when the sheet is held in an upright position. One figure must not be placed upon another or within the outline of another.

Applicant's Address

The requirement of Rule 61, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Printed Copies of Trade-Marks

A printed copy of the drawing and statement of any registered trade-mark can be obtained for ten cents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual. Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,095,560. SAFETY MECHANISM FOR HYDRAULICALLY OPERATED BRAKING SYSTEMS. Patented Oct. 12, 1937. System functions so that, if a leak occurs in one portion of the braking system, other portions remain unaffected and provide corresponding portion of the total braking power. The mechanism consists essentially of an arrangement of master cylinder and associated liquid lines leading to valve-controlled pairs of individual brake cylinders. In the event of a leak, depression of foot pedal causes piston in the individual cylinder affected to move to its extreme position so that a spring-urged valve closes port to prevent further loss of liquid. Control of the vehicle is then maintained with the brakes of two wheels instead of the four ordinarily available. (Owner) Theodore W. Vickers, 1519 West Florence Ave., Los Angeles 47, Calif. Group 38—31. Reg. No. 33,426.

Pat. 2,378,668. ELECTRICAL MACHINE. Patented June 19, 1945. Reg. No. 33,427.

Pat. 2,378,669. ELECTRICAL MACHINE. Patented June 19, 1945. Reg. No. 33,428.

Pat. 2,413,805. ELECTRICAL MACHINE. Patented Jan. 7, 1947. Reg. No. 33,429.

Pat. 2,454,359. ELECTRICAL MACHINE. Patented Nov. 23, 1948. Reg. No. 33,430.

Broadly stated, these four patents describe machines composed of two electromagnetic elements, one fixed and the other rotatable with the fixed element in hypocyclic relationship. Windings carried by the two elements maintain magnetic fields of attraction and repulsion between the elements at the opposite side of their point of rolling contact. The magnetic fields progress with the point of rolling contact to maintain a magnetic torque which continuously acts upon the rotatable element, causing it to turn. The two elements in their hypocyclic relationship define spaced air gaps which open and close progressively in response to the turning of the rotatable element. The energized elements create fields of attraction and repulsion across the gaps producing mechanical force that may be used in many types of machinery. (Owner) Theodore W. Vickers, 1519 West Florence Ave., Los Angeles 47, Calif. Groups 35—66; 36—19—41.

Pat. 2,444,886. SCREW AND NUT ACTUATING MECHANISM. Patented July 6, 1948. A holding or braking means to prevent "overhaul" or retrogression in lifting jacks, vises, aircraft actuators, presses, or similar devices employing a ball bearing screw nut mechanism. A helical raceway is provided between screw and nut elements for a series of ball bearings used in combination with a pair of pawls. No matter what direction the screw is driven, one pawl or the other automatically co-acts with the balls so that sliding friction is interposed between the screw and nut elements to support the load. (Owner) Theodore W. Vickers, 1519 West Florence Ave., Los Angeles 47, Calif. Groups 35—66; 37—22; 38—31. Reg. No. 33,431.

Pat. 2,413,521. TESTING DEVICE ADAPTER FOR CONVENTIONAL FLASHLIGHTS. Patented Dec. 31, 1946. Compact device for testing electrical circuits may be carried in pocket and operated from a flashlight or other current source. A dielectric body has a metal socket and co-operating base electrode. A flexible conductor extends through the body and terminates in a stationary sleeve supporting a test prod. A light bulb is mounted in series with the electrode and socket. A rotatable member embraces end of body for rotation of socket. Rotation of the switch will place predetermined resistances in series with central electrode, light, and test prod, producing predetermined test circuits when device is mounted in an ordinary bulb socket of a flashlight. (Owner) Charles Roskilly, 515 South Sparks St., Burbank, Calif. Group 36—99. Reg. No. 33,432.

Pat. 2,479,157. ILLUMINATED TEN YARD MARKER STICK. Patented Aug. 16, 1949. A pair of illuminated marking sticks carry a 10-yard marking chain for evening football games. Construction of each stick is similar to that of an ordinary flashlight, with a screw cap at each end of tubular body. Lower cap has ground-engaging spike, an eye-bolt to which chain is connected, and a foot bracket. Switch-controlled current is supplied by dry cells at each end of tubular body. A transparent tube in center of body has semi-spherical reflector at each end carrying flashlight bulbs, and light is emitted through several slots extending full length of stick. (Owner) Walter J. Fritts, 309 Holt Ave., Mt. Sterling, Ky. Groups 34—81; 36—99; 39—49. Reg. No. 33,433.

Pat. 2,485,787. COMBINATION HAIRCUTTING MACHINE. Patented Oct. 25, 1949. Electric hair clipper and trimmer implement has a cylindrical handle with a reciprocating clipper at one end and a rotary cutter at other end. A manually controlled motor for the two cutters is mounted in a housing at center of handle. Central shaft of motor projects from opposite ends of motor to accommodate two movable and separate clutch members slidable on the shaft for driving the appliances. A clutch-shifting yoke mounted on the central body portion has a shifting button, the arms of the yoke projecting into the motor chamber and co-acting with the clutch members. (Owner) John Sutch, 6015 Phinney Ave., Seattle, Wash. Groups 33—51; 36—21. Reg. No. 33,434.

Pat. 2,476,792. ELECTRICALLY CONTROLLED SAFETY GATE. Patented July 19, 1949. An electrically controlled lazytongs type gate for protecting show windows, etc. Gate is automatically vertically movable to an elevated position in front of a window. Spring supports attached to the gate telescope through blocks mounted on a sub-floor. A rack bar is provided for depressing the gate when an electrically controlled gear co-acts with the rack. Spring-pressed slide bolts under electrical control co-act with the spring supports to hold the gate depressed or elevated. (Owner) Frank R. Allen, 28 Rockland St., Roxbury 19, Mass. Groups 25—41; 33—81; 36—21. Reg. No. 33,435.

Pat. 2,463,595. SLAG REMOVER. Patented Mar. 8, 1949. Slag remover for a slag-pit of an open-hearth furnace. A carriage forming a trap bed is movably supported on ledges at sides of pit for rolling into and out of front of furnace. Trough formations extend along opposite sides of carriage top. A hopper, open at front, supported upon the furnace wall above the carriage has a depending skirt to extend into recess at rear of carriage and into the troughs. Air ducts maintain brick walls and carriage cool, preventing fusing of hot slag to walls and permitting removal of slag on the carriage without closing down the furnace. (Owner) Clarence D. Burns, 4321 Highway 9, Corpus Christi, Tex. Group 35—59. Reg. No. 33,436.

The following 182 patents are owned by General Electric Company. Licenses will be granted on reasonable terms. Applications for license should be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

CABINETS

(Groups 25—41; 35—51—84)

Pat. 1,992,011. REFRIGERATOR CABINET. Feb. 19, 1935. Reg. No. 33,437.

Pat. 2,002,366. METALLIC CABINET STRUCTURE. May 21, 1935. Reg. No. 33,438.

Pat. 2,017,702. REFRIGERATOR CABINET. Oct. 15, 1935. Reg. No. 33,439.

Pat. 2,027,845. REFRIGERATING CABINET. Jan. 14, 1936. Reg. No. 33,440.

Pat. 2,036,781. CABINET DOOR. Apr. 7, 1936. Reg. No. 33,441.

Pat. 2,036,812. REFRIGERATING MACHINE. Apr. 7, 1936. Reg. No. 33,442.

Pat. 2,068,532. REFRIGERATOR CABINET. Jan. 19, 1937. Reg. No. 33,443.

Pat. 2,084,204. REFRIGERATOR CABINET. June 15, 1937. Reg. No. 33,444.

Pat. 2,114,880. REFRIGERATOR CABINET. Apr. 19, 1938. Reg. No. 33,445.

Pat. 2,129,539. GUIDE AND STOP FOR REFRIGERATORS. Sept. 6, 1938. Reg. No. 33,446.

Pat. 2,137,165. REFRIGERATOR CABINET. Nov. 15, 1938. Reg. No. 33,447.

Pat. 2,141,918. REFRIGERATOR CABINET. Dec. 27, 1938. Reg. No. 33,448.

Pat. 2,169,115. REFRIGERATOR. Aug. 8, 1939. Reg. No. 33,449.

Pat. 2,176,717. REFRIGERATOR CABINET. Oct. 17, 1939. Reg. No. 33,450.

Pat. 2,206,705. REFRIGERATING APPARATUS. July 2, 1940. Reg. No. 33,451.

Pat. 2,206,717. REFRIGERATOR DOOR CONSTRUCTION. July 2, 1940. Reg. No. 33,452.

Pat. 2,285,160. REFRIGERATOR CABINET. June 2, 1942. Reg. No. 33,453.

Pat. 2,294,686. REFRIGERATOR CABINET. Sept. 1, 1942. Reg. No. 33,454.

Pat. 2,311,425. DEHYDRATING COMPARTMENT. Feb. 16, 1943. Reg. No. 33,455.

Pat. 2,318,363. STORAGE DRAWER ASSEMBLY. May 4, 1943. Reg. No. 33,456.

Pat. 2,319,001. REFRIGERATOR CABINET. May 11, 1943. Reg. No. 33,457.

Pat. 2,339,085. REFRIGERATOR. Jan. 11, 1944. Reg. No. 33,458.

Pat. 2,348,524. FOOD STORAGE RECEPTACLE. May 9, 1944. Reg. No. 33,459.

Pat. 2,414,929. COMBINED CLOSURE AND RACK FOR REFRIGERATORS. Jan. 28, 1947. Reg. No. 33,460.

GASKETS

(Groups 22—91; 25—92; 30—31; 31—21; 32—93; 35—84; 39—81)

Pat. 2,029,845. GASKET FOR REFRIGERATOR CABINETS AND THE LIKE. Feb. 4, 1936. Reg. No. 33,461.

Pat. 2,091,791. SEALING GASKET AND SECURING DEVICE THEREFOR. Aug. 31, 1937. Reg. No. 33,462.

Pat. 2,265,693. REFRIGERATOR CABINET GASKET. Dec. 9, 1941. Reg. No. 33,463.

Pat. 2,337,316. REFRIGERATOR CABINET. Dec. 21, 1943. Reg. No. 33,464.

Pat. 2,364,962. METHOD FOR JOINING HOLLOW THERMOPLASTIC ARTICLES. Dec. 12, 1944. Reg. No. 33,465.

LATCHES

(Group 33—59)

Pat. 2,093,317. DOOR LATCH. Sept. 14, 1937. Reg. No. 33,466.

Pat. 2,142,845. LATCH. Jan. 3, 1939. Reg. No. 33,467.

Pat. 2,259,136. LATCH. Oct. 14, 1941. Reg. No. 33,468.

Pat. 2,265,691. LATCH STRIKE. Dec. 9, 1941. Reg. No. 33,469.

Pat. 2,309,507. LATCH. Jan. 26, 1943. Reg. No. 33,470.

BUTTER CONDITIONERS

(Group 35—51—84)

Pat. 2,068,550. REFRIGERATOR CABINET. Jan. 19, 1937. Reg. No. 33,471.

Pat. 2,238,635. REFRIGERATOR CABINET. Apr. 15, 1941. Reg. No. 33,472.

Pat. 2,253,971. FOOD STORAGE RECEPTACLE. Aug. 26, 1941. Reg. No. 33,473.

Pat. 2,311,446. REFRIGERATOR CABINET. Feb. 16, 1943. Reg. No. 33,474.

Pat. 2,317,775. REFRIGERATION APPARATUS. Apr. 27, 1943. Reg. No. 33,475.

Pat. 2,317,816. REFRIGERATION APPARATUS. Apr. 27, 1943. Reg. No. 33,476.

Pat. 2,317,840. REFRIGERATING APPARATUS. Apr. 27, 1943. Reg. No. 33,477.

Pat. 2,363,375. BUTTER CONDITIONER. Nov. 21, 1944. Reg. No. 33,478.

Pat. 2,375,714. BUTTER CONDITIONER. May 8, 1945. Reg. No. 33,479.

Pat. 2,378,816. FOOD STORAGE RECEPTACLE. June 19, 1945. Reg. No. 33,480.

FOOD RECEPTACLES

(Group 35—51—84)

Pat. 2,205,259. FASTENING MEANS. June 18, 1940. Reg. No. 33,481.

Pat. 2,306,802. FOOD STORAGE RECEPTACLE FOR REFRIGERATORS. Dec. 29, 1942. Reg. No. 33,482.

Des. 115,160. DESIGN FOR A COMBINED RECEPTACLE AND COVER THEREFOR. June 6, 1939. Reg. No. 33,483.

Des. 115,161. DESIGN FOR A COMBINED RECEPTACLE AND COVER THEREFOR. June 6, 1939. Reg. No. 33,484.

ICE MANUFACTURING APPARATUS

(Group 35—59—84)

Pat. 2,259,066. REFRIGERATING MACHINE. Oct. 14, 1941. Reg. No. 33,485.

Pat. 2,340,721. APPARATUS AND METHOD FOR PURIFYING WATER. Feb. 1, 1944. Reg. No. 33,486.

Re. 22,689. ICE MAKING APPARATUS. Nov. 6, 1945. (Original No. 2,374,997, May 1, 1945). Reg. No. 33,487.

SHELVES

(Groups 25—41; 35—84)

Pat. 1,974,983. CABINET SHELF. Sept. 25, 1934. Reg. No. 33,488.

Pat. 2,033,792. SLIDING CABINET SHELF. Mar. 10, 1936. Reg. No. 33,489.

Pat. 2,095,130. SHELF FOR REFRIGERATOR CABINETS. Oct. 5, 1937. Reg. No. 33,490.

Pat. 2,118,659. REFRIGERATOR CABINET AND SHELF CONSTRUCTION. May 24, 1938. Reg. No. 33,491.

Pat. 2,287,611. SHELF. June 23, 1942. Reg. No. 33,492.

Pat. 2,294,155. REFRIGERATOR SHELF. Aug. 25, 1942. Reg. No. 33,493.

Pat. 2,294,749. REFRIGERATOR CABINET. Sept. 1, 1942. Reg. No. 33,494.

Pat. 2,308,330. HALF SHELF. Jan. 12, 1943. Reg. No. 33,495.

Pat. 2,428,216. SLIDABLE SHELF WITH COMBINED GUIDING AND STOP MEANS. Sept. 30, 1947. Reg. No. 33,496.

FREEZING TRAYS

(Groups 34—41; 35—59—84)

Pat. 1,964,476. FREEZING TRAY. June 26, 1934. Reg. No. 33,497.

Pat. 2,036,784. FREEZING TRAY. Apr. 7, 1936. Reg. No. 33,498.

Pat. 2,053,134. FREEZING TRAY AND RELEASE DEVICE THEREFOR. Sept. 1, 1936. Reg. No. 33,499.

Pat. 2,067,799. FREEZING TRAY SEPARATOR CONSTRUCTION. Jan. 12, 1937. Reg. No. 33,500.

Pat. 2,077,200. FREEZING TRAY. Apr. 13, 1937. Reg. No. 33,501.

Pat. 2,077,220. FREEZING TRAY AND METHOD OF MAKING THE SAME. Apr. 13, 1937. Reg. No. 33,502.

Pat. 2,112,060. PARTITION ELEMENTS FOR FREEZING TRAYS. Mar. 22, 1938. Reg. No. 33,503.

Pat. 2,133,860. FREEZING TRAY FOR REFRIGERATORS. Oct. 18, 1938. Reg. No. 33,504.

Pat. 2,136,226. PARTITION ASSEMBLY FOR FREEZING TRAYS. Nov. 8, 1938. Reg. No. 33,505.

Pat. 2,188,781. FREEZING TRAY. Jan. 30, 1940. Reg. No. 33,506.

Pat. 2,194,330. FREEZING TRAY. Mar. 19, 1940. Reg. No. 33,507.

Pat. 2,242,764. FREEZING TRAY. May 20, 1941. Reg. No. 33,508.

Pat. 2,251,628. FREEZING TRAY. Aug. 5, 1941. Reg. No. 33,509.

Pat. 2,269,184. FREEZING TRAY. Jan. 6, 1942. Reg. No. 33,510.

Pat. 2,286,693. FREEZING TRAY. June 16, 1942. Reg. No. 33,511.

Pat. 2,307,606. FREEZING TRAY. Jan. 5, 1943. Reg. No. 33,512.

Pat. 2,362,320. FREEZING TRAY. Nov. 7, 1944. Reg. No. 33,513.

Pat. 2,422,473. FREEZING TRAY. June 17, 1947. Reg. No. 33,514.

ACCESSORIES

(Group 35—84)

Pat. 2,199,245. REFRIGERATOR. Apr. 30, 1940. Reg. No. 33,515.

Pat. 2,272,746. AIR PURIFYING UNIT. Feb. 10, 1942. Reg. No. 33,516.

Pat. 2,274,409. LIQUID DISPENSING APPARATUS. Feb. 24, 1942. Reg. No. 33,517.

Pat. 2,276,850. GERMICIDAL LAMP IN AIR CONDITIONING APPARATUS. Mar. 17, 1942. Reg. No. 33,518.

Pat. 2,301,697. LAMP GUARD. Nov. 10, 1942. Reg. No. 33,519.

CABINET DESIGN PATENTS

(Group 35—84)

Des. 90,763. REFRIGERATOR CABINET. Sept. 26, 1933. Reg. No. 33,520.

Des. 109,644. REFRIGERATOR CABINET. May 10, 1938. Reg. No. 33,521.

Des. 117,375. REFRIGERATOR CABINET. Oct. 31, 1939. Reg. No. 33,522.

Des. 117,376. REFRIGERATOR CABINET. Oct. 31, 1939. Reg. No. 33,523.

Des. 117,377. REFRIGERATOR CABINET. Oct. 31, 1939. Reg. No. 33,524.

VENTILATING AND AIR CIRCULATING ARRANGEMENTS

(Group 35—84)

Pat. 2,059,016. REFRIGERATOR. Oct. 27, 1936. Reg. No. 33,525.

Pat. 2,114,882. REFRIGERATOR. Apr. 19, 1938. Reg. No. 33,526.

Pat. 2,259,986. REFRIGERATOR. Oct. 21, 1941. Reg. No. 33,527.

Pat. 2,314,657. REFRIGERATOR. Mar. 23, 1943. Reg. No. 33,528.

BASKET SUPPORTS

(Groups 34—41; 35—84)

Pat. 2,155,284. RACK FOR REFRIGERATOR CABINETS. Apr. 18, 1939. Reg. No. 33,529.

COMPRESSORS

(Group 35—59—61—84)

Pat. 1,902,518. REFRIGERATING MACHINE. Mar. 21, 1933. Reg. No. 33,530.

Pat. 1,904,561. REFRIGERATING MACHINE. Apr. 18, 1933. Reg. No. 33,531.

Pat. 1,907,603. REFRIGERATING MACHINE. May 9, 1933. Reg. No. 33,532.

Pat. 1,915,097. ROTARY PUMP. June 20, 1933. Reg. No. 33,533.

Pat. 1,987,460. REFRIGERATING MACHINE. Jan. 6, 1935. Reg. No. 33,534.

Pat. 2,020,987. COMPRESSOR UNLOADER. Nov. 12, 1935. Reg. No. 33,535.

Pat. 2,021,085. COMPRESSOR VALVE. Nov. 12, 1935. Reg. No. 33,536.

Pat. 2,028,584. REFRIGERATING MACHINE. Jan. 21, 1936. Reg. No. 33,537.

Pat. 2,030,701. COMPRESSOR AND BALANCING DEVICE THEREFOR. Feb. 11, 1936. Reg. No. 33,538.

Pat. 2,047,039. REFRIGERATING MACHINE. July 7, 1936. Reg. No. 33,539.

Pat. 2,047,053. REFRIGERATING MACHINE. July 7, 1936. Reg. No. 33,540.

Pat. 2,047,057. REFRIGERATING MACHINE. July 7, 1936. Reg. No. 33,541.

Pat. 2,059,822. METHOD OF MAKING FABRICATED PISTON AND CROSSHEAD ASSEMBLIES. Nov. 3, 1936. Reg. No. 33,542.

Pat. 2,059,894. REFRIGERATOR COMPRESSOR. Nov. 3, 1936. Reg. No. 33,543.

Pat. 2,063,658. FLUID MUFFLER. Dec. 8, 1936. Reg. No. 33,544.

Pat. 2,066,177. LUBRICATING SYSTEM. Dec. 29, 1936. Reg. No. 33,545.

Pat. 2,085,588. BALANCING DEVICE. June 29, 1937. Reg. No. 33,546.

Pat. 2,102,403. REFRIGERATING MACHINE. Dec. 14, 1937. Reg. No. 33,547.

Pat. 2,120,852. VALVE ASSEMBLY. June 14, 1938. Reg. No. 33,548.

Pat. 2,130,835. REFRIGERATING MACHINE. Sept. 20, 1938. Reg. No. 33,549.

Pat. 2,133,876. FLUID MUFFLER. Oct. 18, 1938. Reg. No. 33,550.

Pat. 2,162,570. VALVE ASSEMBLY. June 13, 1939. Reg. No. 33,551.

Pat. 2,178,425. REFRIGERATING MACHINE. Oct. 31, 1939. Reg. No. 33,552.

Pat. 2,222,703. PRESSURE RELIEF MEANS. Nov. 26, 1940. Reg. No. 33,553.

Pat. 2,270,751. VALVE ASSEMBLY. Jan. 20, 1942. Reg. No. 33,554.

Pat. 2,338,486. COMPRESSOR UNLOADER. Jan. 4, 1944. Reg. No. 33,555.

Pat. 2,361,815. COMPRESSOR ASSEMBLY. Oct. 31, 1944. Reg. No. 33,556.

CONDENSERS

(Group 35—61—69—84)

Pat. 1,913,186. CONDENSER FOR REFRIGERATING MACHINES. June 6, 1933. Reg. No. 33,557.

Pat. 1,931,154. REFRIGERATOR CONDENSER. Oct. 17, 1933. Reg. No. 33,558.

Pat. 1,967,106. CONDENSER FOR REFRIGERATING MACHINES. July 17, 1934. Reg. No. 33,559.

Pat. 1,974,317. REFRIGERATING MACHINE. Sept. 18, 1934. Reg. No. 33,560.

Pat. 1,987,422. METHOD OF MAKING HEAT EXCHANGE APPARATUS. Jan. 8, 1935. Reg. No. 33,561.

Pat. 2,019,324. REFRIGERATOR CONDENSER. Oct. 29, 1935. Reg. No. 33,562.

Pat. 2,029,890. CONDENSER FOR REFRIGERATING MACHINES. Feb. 4, 1936. Reg. No. 33,563.

Pat. 2,029,891. CONDENSER FOR REFRIGERATING MACHINES. Feb. 4, 1936. Reg. No. 33,564.

Pat. 2,071,182. REFRIGERATING MACHINE CONDENSER. Feb. 16, 1937. Reg. No. 33,565.

Pat. 2,127,438. AIR COOLED CONDENSER. Aug. 16, 1938. Reg. No. 33,566.

EVAPORATORS

(Group 35—84)

Pat. 1,902,479. REFRIGERATOR CABINET. Mar. 21, 1933. Reg. No. 33,567.

Pat. 1,904,560. REFRIGERATOR EVAPORATOR. Apr. 18, 1933. Reg. No. 33,568.

Pat. 1,992,018. REFRIGERATOR EVAPORATOR. Feb. 18, 1935. Reg. No. 33,569.

Pat. 2,035,769. REFRIGERATING MACHINE. Mar. 31, 1936. Reg. No. 33,570.

Pat. 2,042,493. FLOODED EVAPORATOR. June 2, 1936. Reg. No. 33,571.

Pat. 2,042,558. EVAPORATOR. June 2, 1936. Reg. No. 33,572.

Pat. 2,053,117. REFRIGERATOR EVAPORATOR. Sept. 1, 1936. Reg. No. 33,573.

Pat. 2,059,840. REFRIGERATING MACHINE. Nov. 3, 1936. Reg. No. 33,574.

Pat. 2,060,653. REFRIGERATOR EVAPORATOR. Nov. 11, 1936. Reg. No. 33,575.

Pat. 2,064,659. EVAPORATOR FOR REFRIGERATING MACHINES. Dec. 15, 1936. Reg. No. 33,576.

Pat. 2,070,457. EVAPORATOR FOR REFRIGERATING MACHINES. Feb. 9, 1937. Reg. No. 33,577.

Pat. 2,077,348. REFRIGERATING MACHINE. Apr. 13, 1937. Reg. No. 33,578.

Pat. 2,078,163. EVAPORATOR FOR REFRIGERATING MACHINES. Apr. 20, 1937. Reg. No. 33,579.

Pat. 2,079,448. EVAPORATOR. May 4, 1937. Reg. No. 33,580.

Pat. 2,110,002. COOLING UNIT. Mar. 1, 1938. Reg. No. 33,581.

Pat. 2,118,637. EVAPORATOR FOR REFRIGERATING MACHINES. May 24, 1938. Reg. No. 33,582.

Pat. 2,136,249. REFRIGERANT EVAPORATOR. Nov. 8, 1938. Reg. No. 33,583.

Pat. 2,145,721. FLOODED EVAPORATOR. Jan. 31, 1939. Reg. No. 33,584.

Pat. 2,162,586. REFRIGERANT EVAPORATOR. June 13, 1939. Reg. No. 33,585.

Pat. 2,234,711. REFRIGERATING MACHINE. Mar. 11, 1941. Reg. No. 33,586.

Pat. 2,234,713. REFRIGERANT EVAPORATOR. Mar. 11, 1941. Reg. No. 33,587.

Pat. 2,234,719. REFRIGERATING MACHINE. Mar. 11, 1941. Reg. No. 33,588.

Pat. 2,279,049. FREEZING EVAPORATOR. Apr. 7, 1942. Reg. No. 33,589.

Pat. 2,303,150. COOLING UNIT FOR REFRIGERATORS. Nov. 24, 1942. Reg. No. 33,590.

Pat. 2,312,087. REFRIGERATING APPARATUS. Feb. 23, 1943. Reg. No. 33,591.

Pat. 2,314,190. REFRIGERATING APPARATUS. Mar. 16, 1943. Reg. No. 33,592.

REFRIGERATING SYSTEMS

(Group 35—84)

Pat. 2,030,676. REFRIGERATING SYSTEM. Feb. 11, 1936. Reg. No. 33,593.

Pat. 2,049,364. REFRIGERATING SYSTEM AND METHOD OF CHARGING THE SAME. July 28, 1936. Reg. No. 33,594.

Pat. 2,060,876. REFRIGERATING MACHINE. Aug. 11, 1936. Reg. No. 33,595.

Pat. 2,101,656. REFRIGERATING MACHINE. Dec. 7, 1937. Reg. No. 33,596.

Pat. 2,128,859. REFRIGERATING MACHINE. Aug. 30, 1938. Reg. No. 33,597.

Pat. 2,154,299. REFRIGERATOR. Aug. 11, 1939. Reg. No. 33,598.

Pat. 2,156,096. REFRIGERATING MACHINE. Apr. 25, 1939. Reg. No. 33,599.

Pat. 2,166,791. REFRIGERATOR. July 18, 1939. Reg. No. 33,600.

Pat. 2,241,053. REFRIGERATING MACHINE. May 6, 1941. Reg. No. 33,601.

Pat. 2,248,607. REFRIGERATING SYSTEM. July 8, 1941. Reg. No. 33,602.

Pat. 2,274,394. REFRIGERATING MACHINE. Feb. 24, 1942. Reg. No. 33,603.

Pat. 2,277,031. REFRIGERATOR. Mar. 24, 1942. Reg. No. 33,604.

Pat. 2,349,121. REFRIGERATOR. May 16, 1944. Reg. No. 33,605.

Pat. 2,440,534. SELECTING VALVE FOR TWO-TEMPERATURE REFRIGERATING SYSTEMS. Apr. 27, 1948. Reg. No. 33,606.

Pat. 2,454,537. TWO-TEMPERATURE REFRIGERATING SYSTEM. Nov. 23, 1948. Reg. No. 33,607.

Pat. 2,471,137. TWO-TEMPERATURE REFRIGERATING SYSTEM. May 24, 1949. Reg. No. 33,608.

FLOW CONTROL DEVICES

(Group 35—84)

Pat. 1,955,701. REFRIGERATING MACHINE. Apr. 17, 1934. Reg. No. 33,609.

Pat. 1,955,702. FLOAT VALVE FOR REFRIGERATING SYSTEMS. Apr. 17, 1934. Reg. No. 33,610.

Pat. 2,017,707. FLOW RETARDER FOR COMPRESSORS. Oct. 15, 1935. Reg. No. 33,611.

Re. 20,031. REFRIGERATING MACHINE. July 7, 1936. (Original No. 1,930,296, Oct. 10, 1933). Reg. No. 33,612.

Pat. 2,069,630. FLOW CONTROLLING DEVICE FOR REFRIGERATING SYSTEMS. Feb. 2, 1937. Reg. No. 33,613.

Pat. 2,191,328. FLOW CONTROLLING DEVICE FOR REFRIGERATING SYSTEMS Feb. 20, 1940. Reg. No. 33,614.

Pat. 2,434,118. RESTRICTOR TUBE FOR REFRIGERATING SYSTEMS. Jan. 6, 1948. Reg. No. 33,615.

MISCELLANEOUS

(Groups 32—64—93; 35—51; 36—11)

Pat. 1,914,207. HEAT INSULATOR. June 13, 1933. Reg. No. 33,616.

Pat. 1,978,176. APPARATUS AND METHOD FOR MAKING ICE CREAM. Oct. 23, 1934. Reg. No. 33,617.

Pat. 2,429,059. REFRIGERATION INSULATION. Oct. 14, 1947. Reg. No. 33,618.

Patent Removed from Register

Pat. 2,399,138. SCREW HOLDING ATTACHMENT FOR SCREW DRIVERS. Published Oct. 8, 1946, Reg. No. 4,109.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 7, 1950

[VOL. 631. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 503,308. THE MCCAMBRIDGE & MCCAMBRIDGE Co., Baltimore, Md. Filed June 5, 1946.

FIENDSPRAY

The word "Spray" is disclaimed apart from the mark.
FOR INSECTICIDES.
Claims use since Aug. 24, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 515,191. HERMAN A. MUGLER, New York, N. Y. Filed Jan. 2, 1947.

"MU-STEEL"

The drawing is lined for shading only. The representation of a building element and the word "Steel" are disclaimed.

FOR BUILDINGS AND STRUCTURAL ELEMENTS USED IN BUILDINGS—NAMELY, STEEL FORMS; STEEL CHUTES; EXTERIOR AND INTERIOR STEEL PANELS, INTERIOR STEEL PARTITIONS; STEEL FLOOR PANELS; STEEL ROOF RAFTERS; STEEL SERVICE PITS, USED IN SERVING AUTOMOBILES; STEEL RUNWAYS; STEEL CONCRETE FORMS; STEEL WALKS; STEEL DRIVEWAYS; STEEL SHIP BULKHEADS; STEEL TRENCH PILING FOR LINING TRENCHES AND BULKHEADS IN HYDRAULIC ENGINEERING, AND STEEL ROOF PANELS.

Claims use since April 1932.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 509,948. THE OHIO PATTERN WORKS & FOUNDRY Co., Cincinnati, Ohio, assignor to OPW Corporation, Cincinnati, Ohio, a corporation of Ohio. Filed Sept. 28, 1946.

OPW

FOR AUTOMATIC BARREL FILLERS, BALL AND SOCKET ATTACHMENTS FOR LOADING AND UNLOADING FLUID FUELS, BOTTOM LOADER ASSEMBLIES, BUSHINGS, CAGE VALVE ASSEMBLIES, COMBINATION CHECK VALVE AND STRAINER, COMPANION FLANGES, COUPLING ASSEMBLIES, DRAIN BACK CONNECTIONS, DRAIN FLANGES, DROP TUBES, DRUM UNLOADERS, DUST CAPS, ELBOWS, ELBOW FILLER TUBES, EXTRACTOR FITTINGS, FILL BOXES, FILL CAPS, FILL CAP VENTS, FILL DEFLECTORS, FILLING ADAPTORS, FLANGES, FUEL NOZZLES, HOSE ELBOWS, HOSE NOZZLES, HOSE NOZZLES INCLUDING FLOW CONTROL VALVES, HOSE SPOUTS, INTAKE FLOATS, LINE STRAINERS, LOADING AND UNLOADING ATTACHMENTS FOR USE WITH FLUID FUELS AND TRUCK CARRIERS THEREOF, MANHOLES, NIPPLES, NIPPLE ASSEMBLIES, NOZZLE STRAINERS, NOZZLE TUBES, PIPE COUPLINGS, PIPE LINE DEFLECTORS, PLUG SEATS, SAFETY BUNGS, SLIDE SLEEVE LOADING ARMS, SLIP SPOUTS, SUCTION LINE STRAINERS, SUCTION STUB ASSEMBLIES, SWING JOINTS, SWIVEL ELBOW COUPLINGS, SWIVEL HOSE CONNECTORS, TANK CAR LOADING AND UNLOADING CONNECTIONS, TANK VENTS, TUBE CAPS, TUBE STRAINERS, TUBING ADAPTERS, UNION COUPLINGS, UNION ELBOWS, VACUUM BREAKERS, VALVES—NAMELY, AIR CONTROL VALVES, AIR RELIEF VALVES, AIR VALVES, ANGLE CHECK VALVES, ANGLE VALVES, ANTI-FREEZE DRAIN VALVES, BY-PASS VALVES, CAGE-VALVES, CHECK VALVES, COMPRESSOR CHECK VALVES, CROSS CHECK VALVES, CROSS VALVES, DISK VALVES, EMERGENCY VALVES, EXTRACTOR VALVES AND FITTINGS THEREFOR, FLANGED VALVES, FOOT VALVES, GLOBE VALVES, INLET CHECK VALVES, LOADING VALVES, OUTLET CHECK VALVES, POPPET VALVES FOR USE IN PIPELINES, PRESSURE RELIEF VALVES, QUICK OPENING VALVES, SWING CHECK VALVES, TRUCK TANK VALVES, VACUUM VALVES, WATER LOCKING VALVES AND PARTS THEREOF, WATER VALVES, WELDING PADS, AND VENT CAPS.

Claims use since October 1931.

CLASS 15

OILS AND GREASES

Ser. No. 518,806. ADOLF SCHMIDS ERBEN A. G., Berne, Switzerland. Filed Mar. 11, 1947.

ASEOL

FOR LUBRICATING OILS FOR INDUSTRY AND TRANSPORT, LUBRICATING GREASES FOR INDUSTRY AND TRANSPORT, EMULSIFYING OILS IN SOLID AND LIQUID FORM, EMULSIFYING OILS IN SOLID FORM FOR USE AS A COOLING PASTE FOR METAL WORKING AND CUTTING OILS FOR METAL WORKING.
Claims use since Dec. 16, 1925.

Ser. No. 520,590. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del., now by change of name Esso Standard Oil Company, a corporation of Delaware. Filed Mar. 28, 1947.

PARAMINS

FOR PETROLEUM COMPOUNDS IN DILUTED AND CONCENTRATED FORM CONSISTING OF A MAJOR PORTION OF PETROLEUM LUBRICATING OIL CONTAINING ADDED ORGANIC AND INORGANIC SUBSTANCES FOR IMPROVING OR MODIFYING THE CHARACTERISTICS OF THE OILS.
Claims use since Sept. 18, 1945.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 516,230. JOHN J. THORNBURGH, doing business as Pure Beverage Company, Charlotte, N. C. Filed Jan. 23, 1947.

DIXIE GRAPE

The word "Grape" is disclaimed.
FOR MALTLESS SOFT DRINK.
Claims use since Jan. 4, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 496,340. SHARP'S, INC., Boston, Mass. Filed Feb. 9, 1946.

TOMORROW'S
As new as Tomorrow — As fresh as Tomorrow

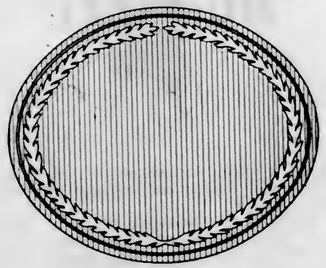
The slogan "As new as Tomorrow—As fresh as Tomorrow" is disclaimed. The drawing is lined for red.
FOR PACKAGED FOODS—NAMELY, FROZEN VEGETABLES, AND BREAD, AND COFFEE.
Claims use since May 1, 1945.

Ser. No. 517,408. DIXIE GRAIN CO. INC., Shelbyville, Tenn. Filed Feb. 13, 1947.

DIXIE HOME

FOR WHEAT FLOUR, BOTH PLAIN AND SELF-RISING; CORN MEAL, BOLTED AND UNBOLTED; DAIRY FEEDS, HOG FEEDS, HORSE FEEDS, POULTRY FEEDS—I. E., BREEDER MASH, LAYING MASH, GROWING MASH, MASH BROILER RATION, CHICK STARTER, CONDITIONING MASH, CORN AND WHEAT HEN SCRATCH, CORN AND WHEAT FINE CHICK SCRATCH, MEDIUM CORN AND WHEAT SCRATCH.
Claims use since Aug. 1, 1936.

Ser. No. 522,406. THE TAYLOR PROVISION COMPANY, Trenton, N. J. Filed May 15, 1947.



The drawing is lined for red.
FOR PORK PRODUCTS—NAMELY, PORK SAUSAGE AND SMOKED BUTTS.
Claims use since 1895.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 560,370. WARNER COMPANY, Philadelphia, Pa. Filed June 28, 1948.

CEDAR HOLLOW

Applicant claims ownership of Registration No. 242,585.
FOR ROUGH LIMESTONE AND LIME FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since 1827.

Ser. No. 568,299. THE CONSOLIDATED COAL COMPANY, St. Louis, Mo. Filed Nov. 6, 1948.

JEFFCO

FOR COAL.
Claims use since July 19, 1948.

Ser. No. 568,379. F. LAGOMARSINO & SONS, Sacramento, Calif. Filed Nov. 8, 1948.

BUFFALO



FOR ALFALFA SEED.
Claims use since Feb. 12, 1948.

Ser. No. 569,717. FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Dec. 1, 1948.

PAWNEE

FOR LEATHER.
Claims use since Nov. 4, 1948.

Ser. No. 571,681. FARMERS HYBRID SEED CORN COMPANY, Hampton, Iowa. Filed Nov. 22, 1948.

FARM BRID

FOR HYBRID SEED CORN.
Claims use since July 31, 1948.

CLASS 5

ADHESIVES

Ser. No. 558,708. BENJAMIN FOSTER COMPANY, Philadelphia, Pa. Filed June 8, 1948.

SEALFAS

Applicant claims ownership of Registration No. 269,112.
FOR HEAVY LIQUID ADHESIVE CEMENTS AND ADHESIVE SURFACE COATINGS FOR COATING AND CEMENTING THE SURFACES OF POROUS MATERIALS.
Claims use since Mar. 27, 1926.

Ser. No. 563,017. R. P. SCHERER CORPORATION, Detroit, Mich. Filed Aug. 7, 1948.

GP

FOR ADHESIVES IN CAPSULE FORM—NAMELY, CAPSULATED SYNTHETIC RESINOUS ADHESIVE MATERIALS AND RUBBER CEMENTITIOUS COMPOSITIONS
Claims use since October 1933.

Ser. No. 563,018. R. P. SCHERER CORPORATION, Detroit, Mich. Filed Aug. 7, 1948.



FOR ADHESIVES IN CAPSULE FORM—NAMELY, CAPSULATED SYNTHETIC RESINOUS ADHESIVE MATERIALS AND RUBBER CEMENTITIOUS COMPOSITIONS
Claims use since October 1933.

Ser. No. 574,008. ATLAS POWDER COMPANY, Wilmington, Del. Filed Feb. 17, 1949.

PURJ

FOR DUST FILTER ADHESIVES.
Claims use since Feb. 8, 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 555,617. NINOL LABORATORIES, Chicago, Ill. Filed Apr. 26, 1948.

NINOL

Applicant claims ownership of Registration No. 390,772.
FOR CHEMICALS AND PREPARATIONS THEREOF—NAMELY, SURFACE ACTIVE AGENTS, EMULSIFYING AGENTS, WETTING AGENTS, AND DISPERSING AGENTS.
Claims use since Sept. 1, 1934.

Ser. No. 555,980. ARKANSAS COMPANY INC., Newark, N. J. Filed May 1, 1948.

ARKOLENE

Applicant claims ownership of Registrations Nos. 405,026, 402,127, 292,294, and 309,241.
FOR SULFONIC ACID COMPOUNDS USEFUL AS WETTING AGENTS AND PENETRANTS IN THE WET PROCESSING OF TEXTILES, PARTICULARLY IN DYE-BATHS AND CARBONIZING BATHS.
Claims use since August 1947.

Ser. No. 556,140. SEASIDE OIL COMPANY, Santa Barbara, Calif. Filed May 3, 1948. (Classified in Class 15.)



The word "Products" is disclaimed. The drawing is lined for red, yellow, and blue.
FOR KEROSENE AND PETROLEUM SOLVENTS.
Claims use since November 1933.

Ser. No. 561,894. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948. (Sec. 2f.) (Classified in Class 52.)

HARDNOX ALKALI

The word "Alkali" is disclaimed.
FOR INORGANIC DETERGENT HAVING WATER SOFTENING AND GERMICIDAL PROPERTIES ESPECIALLY FOR WASHING GLASS RETURNABLE CONTAINERS.
Claims use since Jan. 1, 1935.

Ser. No. 561,896. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948. (Sec. 2f.) (Classified in Class 52.)

HITEST ALKALI

The word "Alkali" is disclaimed.
FOR INORGANIC DETERGENT HAVING WATER SOFTENING AND GERMICIDAL PROPERTIES ESPECIALLY FOR WASHING GLASS RETURNABLE CONTAINERS.
Claims use since Jan. 1, 1937.

Ser. No. 565,705. JACOB KONOVSKY, doing business as Ar-Jax Products Co., Chicago, Ill. Filed Sept. 23, 1948. (Classified in Class 51.)



FOR INCENSE AND SACHET POWDER.
Claims use since Oct. 28, 1944.

Ser. No. 572,534. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo. Filed Jan. 21, 1949.

CELLO GARD

FOR PRESERVATIVE FOR WOOD, CLOTH, NETTING, AND ROPE.
Claims use since Feb. 28, 1947.

Ser. No. 572,575. MERLITE INDUSTRIES INC., New York, N. Y. Filed Jan. 22, 1949.



FOR COMPOUND FOR ABSORBING MOISTURE.
Claims use since Jan. 12, 1949.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 559,455. H. E. SHAW COMPANY, Worcester, Mass. Filed May 12, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 402,542.
FOR SMOKING PIPES.
Claims use since June 3, 1942.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 514,786. UNION ALUMINUM COMPANY, INC., Sheffield, Ala., assignee of Union Aluminum Company. Original filed, act of 1905, Dec. 24, 1946; amended to application under act of 1946, Principal Register, Nov. 10, 1947.

Lifetime

FOR ALUMINUM WINDOW SASHES, CASEMENTS AND WINDOW FRAMES.
Claims use since July 17, 1946.

Ser. No. 551,634. INTERWOOD A. G., Zug, Switzerland. Filed Mar. 10, 1948.

INTERWOOD

Applicant claims ownership of Swiss Registration No. 121,884, dated Sept. 11, 1947.
FOR ARTIFICIAL WOOD AND PRODUCTS MADE OF SUCH ARTIFICIAL WOOD—NAMELY, DOORS AND FLOOR COVERING.

Ser. No. 560,783. WEATHERMASTER, INCORPORATED, Miami, Fla. Filed July 6, 1948.

Weathermaster

FOR ALUMINUM JALOUSIES.
Claims use since July 15, 1947.

Ser. No. 568,714. CERAMETAL CORPORATION, Paramount, Calif. Filed Nov. 13, 1948.

CERAMETAL

FOR COMBINATION CERAMIC AND METALLIC BUILDING TILE.
Claims use since Nov. 10, 1947.

Ser. No. 569,049. CLARK DOOR COMPANY, INC., Newark, N. J. Filed Nov. 19, 1948.

ALL-LITE

The word "Lite" is disclaimed.
FOR STEEL REENFORCED OVERHEAD DOORS HAVING GLASS PANELS.
Claims use since 1945.

Ser. No. 569,050. CLARK DOOR COMPANY, INC., Newark, N. J. Filed Nov. 19, 1948.

NARRO-LINE

FOR STEEL REENFORCED OVERHEAD DOORS HAVING GLASS PANELS.
Claims use since 1939.

Ser. No. 571,708. THE CARNEY COMPANY, INC., Mankato, Minn. Filed Jan. 6, 1949.

Frigid-Fleece

FOR FELTED MINERAL WOOL INSULATING MATERIAL.
Claims use since Sept. 3, 1947.

Ser. No. 571,842. BIRD & SON, INC., East Walpole, Mass. Filed Jan. 8, 1949.

TECTONBRIC

FOR ORNAMENTAL BRICK-APPEARING INSULATED SIDING.
Claims use since Dec. 7, 1948.

CLASS 15

OILS AND GREASES

Ser. No. 530,111. NATIONAL LUBRICANTS CORPORATION, Houston, Tex. Filed July 31, 1947.

Dixlube

FOR LUBRICATING OILS AND GREASES.
Claims use since July 24, 1946.

Ser. No. 535,679. BEN CHEMICAL COMPANY, Chicago, Ill. Filed Sept. 25, 1947.

PLASTICUT

FOR MACHINING COMPOUND SPECIALLY ADAPTED AS A COOLANT-LUBRICANT FOR THE MACHINING OF PLASTICS.
Claims use since Sept. 14, 1947.

Ser. No. 552,069. MIRACLE LUBRICATING CORPORATION, Detroit, Mich., assignor to The A P Parts Corporation, Toledo, Ohio, a corporation of Ohio. Filed Mar. 16, 1948.

Miracle Power

FOR LUBRICATING OILS AND GREASES AND GRAPHITE LUBRICANTS IN LIQUID FORM.
Claims use since Nov. 1, 1944.

Ser. No. 556,133. SEASIDE OIL COMPANY, Santa Barbara, Calif. Filed May 3, 1948.



No claim is made to the words "Motor Oil" apart from the mark. The drawing is lined to show red, yellow and blue. Applicant claims ownership of Registration No. 166,496.
FOR MOTOR OILS.
Claims use since November 1933.

Ser. No. 556,134. SEASIDE OIL COMPANY, Santa Barbara, Calif. Filed May 3, 1948.



The drawing is lined for the colors red, yellow, and blue. The word "Gasoline" is disclaimed. Applicant claims ownership of Registration No. 166,496.
FOR GASOLINE.
Claims use since Oct. 31, 1933.

Ser. No. 556,138. SEASIDE OIL COMPANY, Santa Barbara, Calif. Filed May 3, 1948.



The drawing is lined for red, yellow, and blue. Applicant claims ownership of Registration No. 166,496.
FOR LUBRICATING OILS AND GREASES.
Claims use since November 1933.

Ser. No. 556,140. SEASIDE OIL COMPANY, Santa Barbara, Calif. Filed May 3, 1948.



The word "Products" is disclaimed. The drawing is lined for red, yellow and blue.
FOR KEROSENE AND PETROLEUM SOLVENTS.
Claims use since November 1933.

Ser. No. 559,817. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif. Filed June 17, 1948.



The drawing is lined for orange. Applicant claims ownership of Registration No. 388,859.
FOR GASOLINE AND LUBRICATING OILS AND GREASES.
Claims use since June 10, 1947.

Ser. No. 564,157. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 25, 1948.

QUAKER
QUAKEROL

FOR COMPOSITIONS CONTAINING CHEMICALLY TRANSFORMED PETROLEUM DERIVED HYDROCARBONS AND MIXTURES OF HYDROCARBONS USED IN ROLLING OF METALS AS LUBRICANT, PROTECTOR AND CLEANING AGENT DURING MANUFACTURING, PROCESSING OR FABRICATING OF STEEL OR METAL.
Claims use since May 11, 1948.

Ser. No. 567,923. THE PURE OIL COMPANY, Chicago, Ill. Filed Oct. 30, 1948. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 343,233, 343,649, 343,650, 343,651, 343,805, and 349,765.
FOR HOUSEHOLD OIL (LUBRICATING OIL); RUBBER LUBRICANT; AND LUBRICATING STICK COMPOSED OF A MINERAL OIL LUBRICANT AND SUFFICIENT WAX TO SOLIDIFY THE COMPOSITION AND USED FOR LUBRICATING CAR DOOR FITTINGS, AUTOMOBILE HOOD LACINGS AND OTHER EXPOSED FRICTIONAL SURFACES.
Claims use since Jan. 29, 1935.

Ser. No. 570,829. BATTENFELD GREASE & OIL CORP., Kansas City, Mo. Filed Dec. 20, 1948.

LUBE-LITH

The term "Lube" is disclaimed.
FOR LUBRICATING GREASES.
Claims use since Nov. 19, 1948.

Ser. No. 570,855. KENDALL CORPORATION, Los Angeles, Calif. Filed Dec. 20, 1948.

MoTomic ANTI-FRICTION OIL

The terms "Anti-Friction" and "Oil" are disclaimed.
FOR COMBINATION LUBRICANT AND LUBRICATING OIL ADDITIVE.
Claims use since Nov. 24, 1948.

Ser. No. 570,896. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa. Filed Dec. 21, 1948.

MAGNET

Applicant claims ownership of Registrations Nos. 47,172, 47,668, 43,632, 46,780, and 204,761.
FOR LUBRICATING OILS.
Claims use since Feb. 10, 1888.

Ser. No. 571,283. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 29, 1948.

Uncle Mistletoe

FOR CANDLES.
Claims use since Oct. 15, 1948.

Ser. No. 575,567. THE CASITE CORPORATION, Hastings, Mich. Filed Mar. 17, 1949.

CASITE

Applicant claims ownership of Registration No. 261,962.
FOR AN OIL ADDITIVE FOR USE IN INTERNAL COMBUSTION ENGINES TO RETARD CONGEALING OF LUBRICATING OIL AND FACILITATING CIRCULATION THEREOF, TO DISSOLVE THE ACCUMULATION OF SLUDGE AND GUM AND RETARD THE FORMATION THEREOF IN THE OIL, AND ALSO USED AS A PENETRATING OIL AND RUST SOLVENT FOR LOOSENING RUSTED OR CORRODED METAL PARTS.
Claims use since Nov. 1, 1923.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 552,737. ALSTON-LUCAS PAINT CO., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio. Filed Mar. 23, 1948.

Wing-Speed

FOR ENAMEL PAINT.
Claims use since 1912.

Ser. No. 569,258. THE FOY PAINT COMPANY, INC., Cincinnati, Ohio. Filed Nov. 23, 1948.

VELVA-SEAL

The word "Seal" is disclaimed. Applicant claims ownership of Registration No. 198,422.
FOR PAINT PRIMERS AND FILLERS AND VARNISH TYPE WALL SEALING PREPARATIONS.
Claims use since 1931.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,439. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Sept. 27, 1948. (Sec. 2f.)

F.M. BOHANNON'S LUCKY JOE

The drawing is lined for red.
FOR PLUG, TWIST AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 548,574. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Filed Feb. 2, 1948.

Whitehall

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since Nov. 19, 1936.

Ser. No. 556,854. WEBSTER TOBACCO COMPANY, INC., Philadelphia, Pa. Filed May 11, 1948.

Cinco-nettes

Applicant claims ownership of Registrations Nos. 50,874, 207,964, and 156,862.
FOR CIGARS.
Claims use since Dec. 10, 1921.

Ser. No. 560,952. JOHN ALDEN TOBACCO CO., New York, N. Y., and Wilmington, Del. Filed July 9, 1948.

John Alden

The name "John Alden" is the name of the well known historical character.
FOR CIGARS, CIGARETTES, CHEROOTS, STOGIES, CHEWING AND SMOKING TOBACCO.
Claims use since June 26, 1947.

Ser. No. 563,143. WEBSTER TOBACCO COMPANY, INC., Philadelphia, Pa. Filed Aug. 10, 1948.



The drawing is lined for blue, gold, and red. No claim is made to color.
FOR CIGARS.
Claims use since Feb. 28, 1931.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 574,072. WYETH INCORPORATED, Philadelphia, Pa. Filed Feb. 17, 1949.

MEMBRETTES

FOR HORMONES IN DOSAGE FORM.
Claims use since Jan. 28, 1949.

Ser. No. 582,173. HUMPHREYS MEDICINE COMPANY INCORPORATED, New York, N. Y. Filed July 19, 1949.

trokells

FOR TABLETS FOR THE RELIEF OF COMMON THROAT AND MOUTH IRRITATIONS.
Claims use since July 11, 1949.

Ser. No. 587,232. ANAHIST CO. INC., Yonkers, N. Y. Filed Nov. 8, 1949.

ANEJISTA

FOR PREPARATION FOR SYMPTOMATIC RELIEF OF COLDS AND ALLERGIES.
Claims use since Oct. 27, 1949.

Ser. No. 588,467. PHYSICIANS' DRUG & SUPPLY CO., Philadelphia, Pa. Filed Nov. 25, 1949.

BEREX

FOR VITAMIN TABLETS.
Claims use since February 1945.

CLASS 19

VEHICLES

Ser. No. 503,651. GEORGES ROGER HAMEL, Paris, France. Original filed, act of 1905, June 11, 1946; amended to application under act of 1946, Principal Register, Jan. 14, 1948.

"ROTOMATIC"

Applicant claims ownership of French Registration No. 839,067, dated Mar. 18, 1942.
FOR AIR SCREWS.

Ser. No. 564,235. THE ANDERSON COMPANY, Gary, Ind. Filed Aug. 2, 1948.

HERMETALLIC

FOR REARVIEW MIRRORS.
Claims use since July 1937.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 488,935. SEARS, ROEBUCK AND CO., Chicago, Ill. Original filed, act of 1905, Sept. 24, 1945; amended to application under act of 1946, Principal Register, Nov. 12, 1947.

SEARALIN

FOR ENAMELED FLOOR COVERINGS OF THE FELT-BASE TYPE.
Claims use since July 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 572,518. PHILCO CORPORATION, Philadelphia, Pa. Filed Jan. 21, 1949.

PHILCO

FOR ELECTRIC RANGES.
Claims use since Dec. 23, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 520,027. GEO. MONRO LIMITED, London and Herts, England. Original filed, act of 1905, Apr. 2, 1947; amended to application under act of 1946, Supplemental Register, May 24, 1948; amended to Principal Register, Oct. 27, 1949.



The representation of the goods and the letter "V" are disclaimed. The men appearing on the drawing are fanciful. Applicant claims ownership of English Registration No. 649,537, dated July 4, 1946.
FOR POST, STAKE, AND TUBE DRIVERS.

Ser. No. 520,363. THE WINTER-WEISS CO., Denver, Colo. Original filed, act of 1905, Apr. 8, 1947; amended to application under act of 1946, Principal Register, Sept. 5, 1947.

PORTADRILL

FOR PORTABLE WELL DRILLING RIGS.
Claims use since Dec. 1, 1946.

Ser. No. 532,319. METAL SPECIALTIES MANUFACTURING CO., Chicago, Ill. Filed Aug. 25, 1947.

CHAMPION

FOR GUMMED TAPE DISPENSERS WHICH HOLD GUMMED TAPE IN ROLLS AND MOISTEN AND CUT OFF TAPE SERVED BY THE DISPENSERS.
Claims use since July 1, 1926.

Ser. No. 532,321. METAL SPECIALTIES MANUFACTURING CO., Chicago, Ill. Filed Aug. 25, 1947.

STAR

FOR GUMMED TAPE DISPENSERS WHICH HOLD ROLLS OF GUMMED TAPE AND MOISTEN AND SEVER THE TAPE AS IT IS SERVED THEREFROM.
Claims use since July 15, 1919.

Ser. No. 534,708. JULIUS A. ZINN, JR., Chicago, Ill. Filed Sept. 16, 1947.

Zin-pakage Maker

Applicant disclaims the words "Package Maker" apart from the mark as shown.
FOR MACHINES FOR FORMING PAPER CONTAINERS FROM DIE CUT PAPER STAMPINGS ELECTRICALLY POWERED AND FLUID ACTUATED SO AS TO FORM PAPER BOXES IN ONE CONTINUOUS OPERATION AND BY APPLYING GLUE AUTOMATICALYY TO SURFACES WITH THE RESULT THAT THE FABRICATED CONTAINERS ARE LIQUID TIGHT AND SIFT PROOF.
Claims use since May 1946.

Ser. No. 536,338. BARNES DRILL CO., Rockford, Ill. Filed Oct. 1, 1947. (Sec. 2f.)

BARNESDRIL

Applicant claims ownership of Registration No. 387,094.
FOR MACHINE TOOLS—NAMELY, DRILLING MACHINES AND HONING MACHINES.
Claims use since Oct. 4, 1939.

Ser. No. 537,371. SUNDSTRAND MACHINE TOOL CO., Rockford, Ill. Filed Oct. 9, 1947. (Sec. 2f.)

SUNDSTRAND

FOR METAL WORKING LATHES, HYDRAULIC PUMPS, HYDRAULIC TRANSMISSIONS, MILLING MACHINES, FLUID MOTORS, CENTERING MACHINES, OIL BURNER PUMPS, ENGINE FUEL PUMPS, GRINDING MACHINES, AND PNEUMATIC SANDING AND POLISHING MACHINES.
Claims use since 1927.

Ser. No. 537,870. BURGESS-NORTON MFG. CO., Geneva, Ill. Filed Oct. 15, 1947. (Sec. 2f.)

Perfectlap

Applicant claims ownership of Registration No. 265,243.
FOR PISTON PINS.
Claims use since January 1927.

Ser. No. 538,264. FOOTE BROS. GEAR AND MACHINE CORPORATION, Chicago, Ill. Filed Oct. 18, 1947.



FOR GEAR REDUCER UNITS AND PARTS THEREOF, SHAFT COUPLINGS, GEARS, AND GEAR RACKS.
Claims use since 1921.

Ser. No. 538,395. THE FYR-FYTER COMPANY, Dayton, Ohio. Filed Oct. 20, 1947. (Sec. 2f.)

FYR-FYTER

Applicant claims ownership of Registration No. 111,826.
FOR HAND OPERATED, PRESSURE OPERATED, CARTRIDGE OPERATED, AND CHEMICAL REACTION PORTABLE AND STATIONARY FIRE EXTINGUISHERS.
Claims use since Mar. 18, 1916.

Ser. No. 538,418. INDEPENDENT CROP DUSTING, INC., Campbell, Calif. Filed Oct. 20, 1947.



FOR ROTARY SPRAY BRUSHES FOR APPLYING SPRAY MATERIALS FROM AIRPLANES OR OTHER VEHICLES IN THE OPERATION OF DUSTING AND SPRAYING WASTE, CULTIVATED AND FOREST AREAS FOR THE PURPOSE OF KILLING WEEDS, INSECTS, AND FUNGUS AND BACTERIAL GROWTHS; AND EACH UNIT OF THE ROTARY SPRAY BRUSH INCLUDING BESIDE THE BRUSH, DRIVING MEANS, SPRAY MATERIAL FEED MEANS AND A MOUNTING FRAME BY WHICH THE UNIT IS SUPPORTED ON THE VEHICLE.
Claims use since July 1, 1932.

Ser. No. 540,018. AMES BALDWIN WYOMING CO., Parkersburg, W. Va. Filed Nov. 4, 1947. (Sec. 2f.)

PEERLESS

Applicant claims ownership of Registration No. 224,770.
FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since 1901.

Ser. No. 541,240. C. H. WHEELER MANUFACTURING COMPANY, Philadelphia, Pa. Filed Nov. 14, 1947.

TUBEJET

FOR VACUUM PUMPS.
Claims use since Jan. 15, 1930.

Ser. No. 542,518. THE BINGHAM-HERBRAND CORPORATION, Toledo and Fremont, Ohio. Filed Nov. 28, 1947. (Sec. 2f.)

Multiflex

FOR WRENCH SETS.
Claims use since November 1932.

Ser. No. 542,520. THE BINGHAM-HERBRAND CORPORATION, Toledo and Fremont, Ohio. Filed Nov. 28, 1947. (Sec. 2f.)

Multihex

FOR WRENCHES.
Claims use since August 1931.

Ser. No. 553,336. THE BARR COMPANY, Washington, D. C. Filed Mar. 30, 1948.

EL TORO

FOR MACHETE KNIVES, MEAT CLEAVERS, CHOPPING AXES, AND HOES.
Claims use since Sept. 1, 1947.

Ser. No. 559,158. JOHNSON HYDRAULIC EQUIPMENT CO., Minneapolis, Minn. Filed June 14, 1948.

Johnson WORK HORSE

The word "Johnson" is disclaimed except as in combination with the remaining part of the trade-mark.
FOR HYDRAULIC FARM LOADER ADAPTED FOR STACKING HAY, LOADING HAY, LOADING MANURE, LOADING BUNDLES, LOADING GRAVEL, PULLING FENCE POSTS, SHOVELING SNOW, ETC.
Claims use since Jan. 1, 1948.

Ser. No. 559,363. THE GUSTAV WIEDEKE COMPANY, Dayton, Ohio. Filed June 16, 1948.

DW

Applicant claims ownership of Registration No. 247,607.
FOR TUBE AND FLUE EXPANDERS, TUBE AND FLUE CUTTERS, TUBE AND FLUE BEADING TOOLS AND TUBE AND FLUE FLARING TOOLS.
Claims use since Dec. 15, 1911.

Ser. No. 560,298. SPACARB, INC., Dover, Del., and New York, N. Y. Filed June 26, 1948.

SPARKY

FOR COIN-OPERATED AUTOMATIC BEVERAGE DISPENSING MACHINES.
Claims use since January 1948.

Ser. No. 562,555. HAMMEL, RIGLANDER & CO., INC., New York, N. Y. Filed July 30, 1948.

TAS

FOR WATCHMAKERS' TOOLS—NAMELY, OILERS AND HAIRSPRING TOOLS.
Claims use since April 1931.

Ser. No. 564,278. THE FORSBERG MANUFACTURING COMPANY, Bridgeport, Conn. Filed Aug. 27, 1948.

NOCOMBO

FOR TOOL HANDLES.
Claims use since June 7, 1948.

Ser. No. 566,763. PETTIBONE MULLIKEN CORPORATION, Chicago, Ill. Filed Oct. 9, 1948.

HYDRA-SLINGER

The word "Slinger" is disclaimed. Applicant claims ownership of Registrations Nos. 160,135 and 385,951.
FOR MACHINES FOR RAMMING FOUNDRY FLASKS.
Claims use since May 3, 1948.

Ser. No. 567,228. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa. Filed Oct. 20, 1948.

AMPli-press

No claim is made to exclusive use of the word "Press" apart from the mark as shown.
FOR BENCH PRESSES FOR APPLYING ELECTRICAL TERMINALS.
Claims use since Nov. 4, 1947.

Ser. No. 568,531. R & D TOOLHOLDER CORPORATION, Paterson, N. J. Filed Nov. 10, 1948.

"BULLDOG"

FOR MACHINE TOOL HOLDERS, ESPECIALLY FOR CARBIDE AND CAST-ALLOY CUTTERS, AND LATHE TURNING AND CUT-OFF TOOLS.
Claims use since July 28, 1947.

Ser. No. 569,707. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Dec. 1, 1948.

EX-IT

FOR STAPLE REMOVING TOOLS USED FOR REMOVING STAPLES FROM WOOD, PAPER, CARDBOARD, AND FABRICS.
Claims use since Nov. 24, 1948.

Ser. No. 569,982. NATIONAL ENGINEERING COMPANY, Chicago, Ill. Filed Dec. 4, 1948. (Sec. 2f.)

SIMPSON

Applicant claims ownership of Registration No. 308,835.
FOR MULLERS.
Claims use since June 1, 1914.

Ser. No. 569,985. NATIONAL ENGINEERING COMPANY, Chicago, Ill. Filed Dec. 4, 1948. (Sec. 2f.)

BLYSTONE

Applicant claims ownership of Registration No. 399,074.
FOR SAND MIXING MACHINE.
Claims use since 1910.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 562,436. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed July 29, 1948. (Sec. 2f.)

Biltwell

Applicant claims ownership of Registration No. 197,461.
FOR CLOTHES BOILERS.
Claims use since Dec. 10, 1923.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 528,049. GENERAL ANILINE & FILM CORPORATION, New York and Binghamton, N. Y. Filed July 5, 1947. (Sec. 2f.)

SUPERPAN

Applicant claims ownership of Registrations Nos. 336,354 and 372,065.
FOR SENSITIZED PHOTOGRAPHIC FILM, SENSITIZED PHOTOGRAPHIC PLATES, AND CINEMATOGRAPHIC FILMS.
Claims use since Mar. 16, 1932.

Ser. No. 529,582. BELL & HOWELL COMPANY, Chicago, Ill. Filed July 26, 1947. (Sec. 2f.)

AUTO LOAD SPEEDSTER

FOR PHOTOGRAPHIC CAMERAS.
Claims use since Aug. 3, 1940.

Ser. No. 541,355. UNITED STATES AUTOMATIC BOX MACHINERY CO., INC., Boston, Mass. Filed Nov. 15, 1947. (Sec. 2f.)

BOND

FOR PACKAGING MACHINERY—NAMELY, SEMI-AUTOMATIC AND FULL AUTOMATIC MACHINES WITH GROSS WEIGHT WEIGHING FOR FEEDING, FILLING, AND/OR PACKING FREE-FLOWING, SEMI-FREE-FLOWING, AND NON-FREE-FLOWING MATERIALS INTO RIGID AND NON-RIGID CONTAINERS.
Claims use since 1922.

Ser. No. 541,357. UNITED STATES AUTOMATIC BOX MACHINERY CO., INC., Boston, Mass. Filed Nov. 15, 1947. (Sec. 2f.)

SCOTT

FOR PACKAGING MACHINERY—NAMELY, SEMI-AUTOMATIC AND FULL AUTOMATIC MACHINES FOR FEEDING, NET WEIGHT WEIGHING, AND FILLING FREE-FLOWING, SEMI-FREE-FLOWING, AND NON-FREE-FLOWING MATERIALS INTO RIGID AND NON-RIGID CONTAINERS.
Claims use since 1912.

Ser. No. 547,756. A. C. NIELSEN COMPANY, Chicago, Ill. Filed Jan. 22, 1948.

AUDIMETER

FOR APPARATUS FOR INDICATING OR RECORDING INFORMATION PERTINENT TO THE LISTENING OR VIEWING HABITS OF WAVE SIGNAL RECEIVER USERS SUCH AS MECHANICAL, ELECTROMECHANICAL, OR ELECTRONIC INSTRUMENTS FOR INDICATING, OR RECORDING WITH RESPECT TO TIME, THE TRANSMITTING STATIONS TO WHICH RADIO RECEIVERS OR TELEVISION RECEIVERS ARE TUNED FROM MINUTE TO MINUTE, HOUR TO HOUR, AND DAY TO DAY.

Claims use since May 13, 1936.

Ser. No. 559,382. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y. Filed Feb. 10, 1948.

FEDERAL

Applicant claims ownership of Registrations Nos. 327,956, 377,008, 427,431, and 440,801.

FOR PHOTOGRAPHIC EQUIPMENT—NAMELY, PHOTO-ENLARGERS, PHOTO-PROJECTION PRINTERS, CAMERAS, AND FOCUSING TARGETS; AND OPTICAL EQUIPMENT—NAMELY, MICROSCOPES, PROJECTORS FOR PROJECTING IMAGES, MICROFILM PROJECTORS, AND MICROFILM READERS.

Claims use since about January 1945 on microfilm projectors, projectors for projecting images, and microfilm readers; since on or about November 1945 on focusing targets; since on or about December 1945 on photo-enlargers and photo-projection printers; since Dec. 20, 1946, on microscopes; and since Feb. 7, 1947, on cameras.

Ser. No. 559,563. WILLIAMS & HUSSEY MACHINE CO., INC., Wilton, N. H. Filed June 17, 1948.

STAR WILLIAMS & HUSSEY WILTON N.H.

The words "Williams & Hussey, Wilton, N. H." are disclaimed. Applicant claims ownership of Registration No. 44,584.

FOR PRESSURE GAGES AND INDICATORS.

Claims use since June 1947.

Ser. No. 560,294. SCIENTIFIC GLASS APPARATUS CO., INC., Bloomfield, N. J. Filed June 26, 1948.

SGA

FOR GRADUATED GLASS CYLINDERS AND TEST TUBES, BURETTES, PIPETTES, EXTRACTION APPARATUS FOR LABORATORY USE, GRADUATED FLASKS, CENTRIFUGE TUBES, WASH BOTTLES AND WEIGHING BOTTLES FOR LABORATORY USE, GRADUATED FUNNELS, GAS APPARATUS FOR MEASURING AND INDICATING, DISTILLING APPARATUS FOR LABORATORY USE, THERMOMETERS, AND HYDROMETERS.

Claims use since April 1922.

Ser. No. 566,253. THE VIEWFINDER CORPORATION, New York, N. Y., now by change of name The Zoomar Corporation, a corporation of New York. Filed Oct. 1, 1948.

CINÉ-BALOSTAR

The word "Ciné" is disclaimed.

FOR CAMERA LENSES.

Claims use since June 24, 1948.

Ser. No. 568,053. THE FOXBORO COMPANY, Foxboro, Mass. Filed Nov. 2, 1948. (Sec. 2f.)

FOXBORO

FOR INDICATING AND RECORDING INSTRUMENTS, COMMONLY CALLED GAUGES, FOR MEASURING THE PRESSURE (POSITIVE, NEGATIVE, DIFFERENTIAL, OR IN COMBINATION) OF FLUID MEDIA; INDICATING AND RECORDING INSTRUMENTS FOR MEASURING THE LEVEL OF A LIQUID, INDICATING AND RECORDING METERS FOR MEASURING FLUID FLOW, INDICATING AND RECORDING INSTRUMENTS FOR MEASURING ELECTRICAL FORCES, INDICATING AND RECORDING INSTRUMENTS FOR GAS ANALYSIS, SIPHON AND MERCURY GAUGES, THERMOGRAPHS AND THERMOMETERS, PSYCHROGRAPHS AND PSYCHROMETERS, PYROGRAPHS AND PYROMETERS, TACHOMETERS AND TACHOGRAPHS, PLANIMETERS, REVOLUTION COUNTERS, CONTROLLING INSTRUMENTS RESPONSIVE TO A VARIABLE REPRESENTING TEMPERATURE OR FLUID PRESSURE AND THE SAME COMBINED WITH MEANS FOR INDICATING OR RECORDING THE VALUE OF SAID VARIABLE, AND RENEWABLE DIALS, COMMONLY CALLED CHARTS, FOR RECORDING INSTRUMENTS.

Claims use since Sept. 16, 1913.

Ser. No. 568,278. JAMES H. RICHARDS, doing business as Richards Machine Tool Co., Glendale, Calif. Filed Nov. 5, 1948.

RIMAT

FOR MICROMETERS AND MICROMETER ADAPTERS.

Claims use since Mar. 10, 1946.

Ser. No. 568,936. RICHARD COLLINS, New York, N. Y. Filed Nov. 17, 1948.

Trion Pattern

The word "Pattern" is disclaimed.

FOR DRESS PATTERNS.

Claims use since Nov. 4, 1948.

Ser. No. 569,368. ELECTRO-STEEL PRODUCTS, INC., also known as Electro Steel Products, Inc., Philadelphia, Pa. Filed Nov. 24, 1948.

FLEXTRON

FOR FILTERS AND MAGNIFIERS FOR TELEVISION LENSES.

Claims use since Feb. 1, 1948.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 553,764. MARY S. WRIGHT, New York, N. Y. Filed Apr. 2, 1948.

"Country Cardens" Mary Wright

The words "Mary Wright" is a facsimile of applicant's signature.

FOR POTTERY, SERVING WARE, AND DINNER WARE—NAMELY, PLATES, CUPS, SAUCERS, SOUP PLATES, SOUP TUREENS, CREAMERS, SUGAR BOWLS, VEGETABLE DISHES, PITCHERS.

Claims use since Feb. 25, 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 553,497. M & E MANUFACTURING COMPANY, Indianapolis, Ind. Filed Mar. 31, 1948.

M E MANUFACTURING PAINT

The drawing is lined for the colors red and blue; but no claim is made to color. Applicant disclaims all wording on the drawing except the letters "M & E".

FOR EXTRACTORS FOR SEPARATING SOLID AND LIQUID IMPURITIES FROM AIR SUPPLY TO PAINT GUNS.

Claims use since Nov. 15, 1947.

Ser. No. 565,503. WILLIAMS AND SHELTON COMPANY, INC., Charlotte, N. C. Filed Sept. 20, 1948.

WandS

FOR HOUSEHOLD ELECTRIC REFRIGERATORS.

Claims use since July 20, 1948.

Ser. No. 569,549. ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed Nov 29, 1948.

The letter "A" is lined for red and the shield is lined for shading only.

FOR REFRIGERATED STORAGE AND DISPENSING CASES FOR ICE CREAM AND OTHER FOODS.

Claims use since Aug. 19, 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 528,040. HAGGARD & MARCUSSON COMPANY, Chicago, Ill. Filed July 5, 1947.

THE TIGER SPRINGS

The word "Springs" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 224,363 and 224,364.
FOR BEDS, BED SPRINGS, BED SLATS, BUNKS, COTS, CRIBS, AND DAYBEDS; OUTDOOR SUMMER FURNITURE—NAMELY, GLIDERS, SUN CHAISE LOUNGES, AND CHAIRS; BOX SPRINGS, STUDIO COUCHES INCLUDING STUDIO COUCH CONSTRUCTIONS; BED DAVENPORTS INCLUDING BED DAVENPORT CONSTRUCTIONS; SOFAS; MATTRESSES, PILLOWS, AND BOLSTERS.
Claims use since Nov. 1, 1897.

Ser. No. 557,179. COLUMBIA BEDDING COMPANY, Chicago, Ill. Filed May 17, 1948.

BETSY ROSS

The mark is the name of an historic character.
FOR MATTRESSES AND BOX SPRINGS.
Claims use since June 1, 1947.

Ser. No. 565,588. THE MID-WEST PRINTING COMPANY, INC., doing business as Ross-Martin Company, Tulsa, Okla. Filed Sept. 21, 1948.

Kraftbilt

FOR STEEL FILING CABINETS.
Claims use since May 24, 1946.

Ser. No. 566,977. SHERMAN S. COPLON, Buffalo, N. Y. Filed Oct 14, 1948.

Magicober

FOR COVERS HAVING DEPENDING DRAPERY SO AS TO COVER THE TOP AND ONE OR MORE SIDES OF VANITIES, DRESSERS, CHESTS, DESKS, AND OTHER ARTICLES OF FURNITURE, AND CRATES, BOXES, AND OTHER STRUCTURAL BODIES TO DECORATE AND/OR CONCEAL SUCH OBJECTS.
Claims use since Feb. 1, 1948.

Ser. No. 567,993. MILLER METAL PRODUCTS, INC., trading as Miller Metal Products Co., Baltimore, Md. Filed Nov. 1, 1948.



The lining on the drawing is for shading purposes only.
Applicant claims ownership of Registration No. 405,835.
FOR KITCHEN CABINETS.
Claims use since December 1938.

CLASS 33

GLASSWARE

Ser. No. 514,347. H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill. Original filed, act of 1905, Dec. 16, 1946; amended to application under act of 1946, Principal Register, Jan. 15, 1948. (Sec. 2f.)

HUDSON

FOR GLASS JARS FOR SPRAYERS AND FOR POULTRY FOUNTAINS.
Claims use since 1917.

Ser. No. 554,289. ASTRO GLASS SPECIALTIES COMPANY, Hollywood and Los Angeles, Calif., assignor to Pacific Universal Products Corporation, Pasadena, Calif., a corporation of California. Filed Apr. 10, 1948.

"MAGIC MIRROR"

The word "Mirror" is disclaimed.
FOR SEMI-TRANSPARENT MIRRORED GLASS SHEETS.
Claims use since Aug. 6, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,873. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947. (Sec. 2f.)

EDGEWORTH

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1926.

Ser. No. 559,388. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Feb. 14, 1948.

Covmont

Applicant claims ownership of Registration No. 421,189.
FOR WRITING PAPER.
Claims use since November 1917.

Ser. No. 559,401. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Feb. 21, 1948.

CLEAR SPRING

Applicant claims ownership of Registration No. 167,105.
FOR ENGLISH-FINISH BOOK PAPER, SUPERCALENDERED BOOK PAPER.
Claims use since 1922.

Ser. No. 568,942. GENERAL PENCIL COMPANY, Jersey City, N. J. Filed Nov. 17, 1948.

INTERLOCKED LEAD

The word "Lead" is disclaimed.
FOR LEAD PENCILS.
Claims use since Nov. 1, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 557,446. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed May 20, 1948. (Sec. 2f.)

MOVIE STORY

Applicant claims ownership of Registration No. 310,176.
FOR MONTHLY PUBLICATION.
Claims use since June 1937.

Ser. No. 565,488. THE HALOID COMPANY, Rochester, N. Y. Filed Sept. 20, 1948.

Xerox

FOR COPIES OF TYPEWRITTEN OR PRINTED MATTER, DRAWINGS, MAPS, OR ANY OTHER RECORDS, SOLD AS SUCH, MADE BY AN ELECTROPHOTOGRAPHIC PROCESS.
Claims use since Sept. 3, 1948.

Ser. No. 571,414. FICTION HOUSE, INC., New York, N. Y. Filed Dec. 31, 1948. (Sec. 2f.)

DETECTIVE BOOK MAGAZINE

The word "Magazine" is disclaimed. Applicant claims ownership of Registration No. 435,582.
FOR MAGAZINE.
Claims use since May 1930.

Ser. No. 571,418. FLYING STORIES, INC., New York, N. Y. Filed Dec. 31, 1948. (Sec. 2f.)

BASEBALL STORIES

Applicant claims ownership of Registration No. 360,019.
FOR MAGAZINE.
Claims use since Jan. 5, 1938.

Ser. No. 571,435. KRICH-RADISCO, INC., Newark, N. J. Filed Dec. 31, 1948.

Teletime

FOR WEEKLY PUBLICATION, LISTING, TELEVISION BROADCASTS AND OTHER INFORMATION REGARDING TELEVISION.
Claims use since Dec. 21, 1948.

Ser. No. 571,627. FICTION HOUSE, INC., New York, N. Y. Filed Dec. 31, 1948. (Sec. 2f.)

FOOTBALL Stories

Applicant claims ownership of Registration No. 353,987.
FOR MAGAZINE.
Claims use since Aug. 1, 1937.

CLASS 39

CLOTHING

Ser. No. 556,429. FASHION FORM MFG. CORPORATION, White Plains, N. Y. Filed May 7, 1948.

ANTICI-PANT

The word "Pant" is disclaimed.
FOR MATERNITY PANTIES.
Claims use since Feb. 17, 1948.

Ser. No. 556,662. SOBBER-POTTER LEATHER COMPANY, Tullahoma, Tenn., assignor to Appalachian Tanning Co., Tullahoma, Tenn. Filed May 10, 1948.

Appalachian

The drawing is lined for shading purposes only.
FOR COATS AND JACKETS MADE OF LEATHER FOR MEN, WOMEN, AND CHILDREN.
Claims use since Nov. 1, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 545,219. JOSEPH BANCROFT & SONS CO., Wilmington, Del. Filed Dec. 23, 1947.

BANCO-BRA

The suffix "Bra" is disclaimed apart from the prefix "Banco."
FOR PIECE GOODS OF COTTON AND OF RAYON.
Claims use since Nov. 4, 1947.

Ser. No. 568,153. M. M. SCHER & SONS, Baltimore, Md. Filed Sept. 16, 1948. (Sec. 2f.)

BOLTON

Applicant claims ownership of Registration No. 260,883.
FOR FOUR-PLY WORSTED SUITING PIECE GOODS.
Claims use since July 1926.

Ser. No. 568,429. S. HOLLANDER & SONS, New York, N. Y. Filed Nov. 9, 1948.

THE ENCHANTING BRIDE

FOR VEILING AND NETTINGS IN THE PIECE, AND SILK, COTTON, RAYON, AND SATIN FABRICS IN THE PIECE.
Claims use since July 1, 1947.

Ser. No. 569,400. THE SPRINGS COTTON MILLS, Lancaster, S. C. Filed Nov. 24, 1948.

FORT MILL

The word "Mill" is disclaimed.
FOR SHEETS AND PILLOWCASES AND COTTON AND RAYON TEXTILE FABRICS BY THE YARD AND IN THE BOLT.
Claims use since 1926 on sheets and pillowcases and cotton textile fabrics; and since Oct. 22, 1948, on rayon textile fabrics.

Ser. No. 569,564. T. E. MARCHINGTON & CO. LIMITED, Manchester, England. Filed Nov. 29, 1948.

5th STEP

Applicant claims ownership of British Registration No. 658,331, dated Apr. 17, 1949.
FOR TEXTILE PIECE GOODS—NAMELY, PIECE GOODS WHOLLY OF RAYON OR OF COTTON AND RAYON.

Ser. No. 569,781. NORMAN TOPLISS, New York, N. Y. Filed Dec. 2, 1948.

Durosette

FOR WINDOW CURTAINS.
Claims use since Sept. 10, 1945.

Ser. No. 569,991. QUAKER MAID MILLS, INC., Philadelphia, Pa. Filed Dec. 4, 1948. (Sec. 2f.)

PYLOKT

Applicant claims ownership of Registrations Nos. 405,846 and 413,092.
FOR TOILET LID COVERS, BATH MATS, AND TEXTILE RUGS.
Claims use since Oct. 26, 1942.

Ser. No. 570,114. NORTH AMERICAN LACE CO., INC., Philadelphia, Pa. Filed Dec. 7, 1948.

NALCO-NET

The word "Net" is disclaimed apart from the mark as shown.
FOR LACE CURTAINS, LACE TABLE CLOTHS, AND LACE PIECE GOODS.
Claims use since Nov. 3, 1948.

Ser. No. 570,257. KANMAK TEXTILES INC., New York, N. Y. Filed Dec. 9, 1948.

KAN-CHECK

The word "Check" is disclaimed.
FOR WOOLEN PIECE GOODS AND PIECE GOODS MADE OF WOOL BLENDED WITH COTTON OR SYNTHETIC FIBERS.
Claims use since Oct. 21, 1948.

Ser. No. 570,258. KANMAK TEXTILES INC., New York, N. Y. Filed Dec. 9, 1948.

KAN-GAB

No claim is made to the exclusive use of the word "Gab."
FOR WOOLEN PIECE GOODS AND PIECE GOODS MADE OF WOOL BLENDED WITH COTTON OR SYNTHETIC FIBERS.
Claims use since Oct. 21, 1948.

Ser. No. 570,260. KANMAK TEXTILES INC., New York, N. Y. Filed Dec. 9, 1948.

KAN-LANA

The word "Lana" is disclaimed.
FOR WOOLEN PIECE GOODS AND PIECE GOODS MADE IN SUBSTANTIAL PART OF WOOL WHICH IS BLENDED WITH COTTON OR SYNTHETIC FIBERS.
Claims use since Oct. 21, 1948.

Ser. No. 570,261. KANMAK TEXTILES INC., New York, N. Y. Filed Dec. 9, 1948.

KAN-POINT

No claim is made to the exclusive use of the word "Point."
FOR WOOLEN PIECE GOODS AND PIECE GOODS MADE OF WOOL BLENDED WITH COTTON OR SYNTHETIC FIBERS.
Claims use since Oct. 21, 1948.

Ser. No. 570,263. KANMAK TEXTILES INC., New York, N. Y. Filed Dec. 9, 1948.

KAN-WAFFLE

No claim is made to the exclusive use of the word "Waffle."
FOR WOOLEN PIECE GOODS AND PIECE GOODS MADE OF WOOL BLENDED WITH COTTON OR SYNTHETIC FIBERS.
Claims use since Oct. 21, 1948.

Ser. No. 578,335. INTERNATIONAL FABRIC CORPORATION, Boston, Mass. Filed May 6, 1949.

SHEARLON

FOR PILE FABRIC OF COTTON AND RAYON.
Claims use since Apr. 16, 1949.

Ser. No. 578,640. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed May 11, 1949.

MONOLON

FOR FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF.
Claims use since May 4, 1949.

Ser. No. 578,890. PEERLESS MILLS CO. OF NEW YORK, INC., New York, N. Y. Filed May 14, 1949.

Nylocrepe

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBERS, AND MIXTURES THEREOF.
Claims use since Apr. 18, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 540,038. COLUMBIA PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Nov. 4, 1947.

Neet-Toze

FOR TOE SPREADING AND PROTECTING DEVICES FOR PEDICURING AND OTHER SIMILAR PURPOSES.
Claims use since Sept. 24, 1947.

Ser. No. 568,108. THE KENDALL COMPANY, Boston, Mass. Filed Nov. 3, 1948.

RONDIC

FOR SURGICAL SPONGES.
Claims use since October 1948.

Ser. No. 568,783. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 15, 1948.

Priscilla

FOR MANICURE SETS OF BASE METAL.
Claims use since January 1925.

Ser. No. 569,204. HOLLAND-RANTOS COMPANY, INC., New York, N. Y. Filed Nov. 22, 1948.



Applicant claims ownership of Registration No. 290,475.
FOR MEDICAL DIAPHRAGMS, DIAPHRAGM INTRODUCERS, AND PLUNGER APPLICATORS.
Claims use since Dec. 15, 1945.

Ser. No. 570,598. GEORGE A. WIECHERT, New York, N. Y. Filed Dec. 15, 1948.



FOR ARTIFICIAL DENTURE TEETH.
Claims use since Nov. 27, 1948.

Ser. No. 570,661. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 16, 1948.

Silvertone

FOR HEARING AIDS.
Claims use since July 1938.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 551,147. VIRGINIA PEPSI-COLA BOTTLING COMPANY, INC., doing business under the name and style of Jefferson Club Beverage Co., Charlottesville, Va. Filed Mar. 3, 1948.

JEFFERSON CLUB

The name "Jefferson" is disclaimed.
FOR NON-ALCOHOLIC, MALTLESS CARBONATED BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Apr. 1, 1933.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 471,993. CECIL M. WEBB, doing business as Webb's Syrup Company, Tampa, Fla. Original filed, act of 1905, July 7, 1944; amended to application under act of 1946, Principal Register, Oct. 7, 1947. (Sec. 2f.)

IT'S PURE THAT'S SURE
WEBB'S
BEST CANE
SYRUP

The slogan "It's Pure That's Sure" and the words "Best Cane" and "Syrup" are disclaimed.
FOR CANE TABLE SYRUP.
Claims use since Dec. 16, 1939.

Ser. No. 506,821. MACKALL PRODUCTS CO., San Francisco, Calif. Original filed, act of 1905, Aug. 3, 1946; amended to application under act of 1946, Principal Register, June 28, 1948. (Sec. 2f.)

Mackall's

FOR DOG AND CAT FOOD, AND YEAST FOR DOGS AND CATS.
Claims use since March 1941.

Ser. No. 531,454. DUVERNOY & SONS, INC., New York, N. Y. Filed Aug. 15, 1947. (Sec. 2f.)

Duvernoy

FOR BREAD, CAKES.
Claims use since Jan. 1, 1920.

Ser. No. 532,478. NATIONAL RESEARCH CORPORATION, Cambridge, Mass. Filed Aug. 26, 1947.

HOLIDAY

FOR SOLUBLE COFFEE.
Claims use since June 9, 1947.

Ser. No. 532,755. RICHARDSON CORPORATION, Rochester, N. Y. Filed Aug. 28, 1947. (Sec. 2f.)

MARSHMALLOW RICH

The word "Marshmallow" is disclaimed.
FOR TOPPING PASTE MADE FROM EGG ALBUMEN, CORN SYRUP, CANE SUGAR, AND FLAVORING, USED FOR COATING OR IN MAKING ICE CREAM, CAKES, COOKIES, CANDY, AND THE LIKE.
Claims use since August 1916.

Ser. No. 533,874. FRUIT BEVERAGE INDUSTRIES, Fresno, Calif. Filed Sept. 9, 1947.

California Sunlove

The word "California" is disclaimed.
FOR BOTTLED ORANGE JUICE.
Claims use since July 1, 1947.

Ser. No. 534,677. SALINAS MARKETING COOPERATIVE, Salinas, Calif. Filed Sept. 16, 1947.



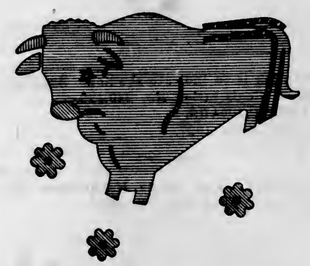
The stippling on the drawing is shown to indicate shading.
FOR FRESH VEGETABLES.
Claims use since Apr. 18, 1947.

Ser. No. 537,965. BARTON, INC., Brooklyn, N. Y. Filed Oct. 16, 1947. (Sec. 2f.)

BARTON'S

FOR CANDY, CANDIED AND SALTED NUTS, AND COOKIES.
Claims use since Aug. 1, 1940.

Ser. No. 540,522. CLARIDGE FOOD CO. INC., Flushing, N. Y. Filed Nov. 8, 1947.



The drawing is lined for blue, pink, yellow, and green.
FOR CANNED FOOD PRODUCTS—NAMELY, HAMBURGERS WITH TOMATO SAUCE AND MUSHROOMS, CORNED BEEF HASH, ALL BEEF FRANKFURTERS, AND CORNED BEEF.
Claims use since Jan. 26, 1946.

Ser. No. 540,535. GEM CANNING COMPANY, Emmett, Idaho. Filed Nov. 8, 1947.

Carefilled

FOR CANNED CORN.
Claims use since Sept. 3, 1947.

Ser. No. 542,018. EDISON VEGETABLE GROWERS, INC., Edison, Calif. Filed Nov. 22, 1947.

Thomas E.

FOR FRESH DECIDUOUS FRUITS, AND FRESH VEGETABLES AND FRESH CITRUS FRUITS.
Claims use since Oct. 2, 1947.

Ser. No. 542,843. CAPITAL NATIONAL BANK OF SACRAMENTO, Sacramento, Calif., trustee of the estate of G. H. Anderson, deceased. Filed Dec. 1, 1947.



The stippling is to indicate shading. Applicant claims ownership of Registration No. 249,122.
FOR FRESH PEARS.
Claims use since 1927.

Ser. No. 545,674. VAN DUSEN HARRINGTON CO., Minneapolis, Minn. Filed Dec. 29, 1947.

SNOW BALL

The drawing is lined to indicate color, but no claim is made to coloring as an essential feature of the mark.
FOR LIVESTOCK AND POULTRY FEEDS COMPOSED PRINCIPALLY OF WHEAT MIDDLINGS AND SCREENINGS.
Claims use since 1912.

Ser. No. 548,284. PERFECTION FOODS COMPANY, also doing business as Standard Kennel Food Company, Battle Creek, Mich. Filed Jan. 29, 1948. (Sec. 2f.)

STANDARD

Applicant claims ownership of Registration No. 242,474.
FOR ANIMAL FOODS SUITABLE FOR FEEDING DOGS, SAID FOODS BEING IN READY TO EAT COOKED FORM AND WHICH INCLUDE VARYING AMOUNTS OF COMMINUTED FORMS OF CORN, WHEAT, AND SOYBEANS, TOGETHER WITH DRIED MEAT MEAL.
Claims use since Sept. 1, 1918.

Ser. No. 548,285. PERFECTION FOODS COMPANY, Battle Creek, Mich. Filed Jan. 29, 1948. (Sec. 2f.)

Perfection

Applicant claims ownership of Registration No. 243,455.
FOR ANIMAL FOODS SUITABLE FOR FEEDING DOGS AND FOXES, SAID FOODS BEING IN READY TO EAT COOKED FORM AND WHICH INCLUDE VARYING AMOUNTS OF COMMINUTED FORMS OF CORN, WHEAT, AND SOYBEANS, TOGETHER WITH DRIED MEAT MEAL.
Claims use since January 1911 on dog food; and since Feb. 1, 1922, on fox food.

Ser. No. 548,405. PLANADA PACKERS, Planada, Calif. Filed Jan. 30, 1948. (Sec. 2f.)

BECKWITH

Applicant claims ownership of Registration No. 339,983.
FOR CANNED FIGS.
Claims use since August 1921.

Ser. No. 549,439. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 11, 1948.

HONEY BRAND

The word "Brand" is disclaimed apart from the other features of the mark. Applicant claims ownership of Registrations Nos. 245,826 and 386,955.
FOR PURE LARD, RENDERED BEEF FAT, BAKED MEAT LOAF, COOKED MEAT LOAF, PURE LINK PORK SAUSAGE, BONELESS SMOKED HAM, LAMB STEW, BEEF STEW, VEAL STEW, CHOPPED BEEF—QUICK FROZEN; BEEF TENDERLOIN STEAK—QUICK FROZEN; BEEF SANDWICH STEAK—QUICK FROZEN; LAMB CHOPS-LIMA BEANS & CARROTS—QUICK FROZEN; FROZEN CHICKEN A LA KING, SLICED BACON—HOTEL STYLE; GRAPEFRUIT JUICE—UNSWEETENED; ORANGE JUICE—UNSWEETENED; CORNED BEEF HASH—FROZEN; KNACKWURST, GHERKINS AND PIMIENTO MEAT LOAF, FRANKFURTERS—ALL BEEF; PARTY LOAF; DRIED BEEF—SLICED; SPICED LUNCHEON MEAT, COOKED SALAMI, CHILI CON CARNE; SLICED CALF'S LIVER AND CARROTS AND SPINACH—QUICK FROZEN.
Claims use since May 1908.

Ser. No. 549,913. GEORGE E. DORMANN, doing business as George Dormann Co., El Centro, Calif. Filed Feb. 17, 1948. (Sec. 2f.)

DORMANN

The stippling on the drawing signifies shading. Applicant claims ownership of Registrations Nos. 375,651 and 389,646.
FOR FRESH VEGETABLES, FRESH GRAPES, AND FRESH MELONS.
Claims use since June 1937.

Ser. No. 550,922. BARNEY H. HOWELL, Niland, Calif. Filed Mar. 1, 1948.

Ocotillo

FOR FRESH VEGETABLES, FRESH CITRUS FRUITS, AND FRESH GRAPES.
Claims use since Jan. 3, 1948.

Ser. No. 550,962. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Filed Mar. 1, 1948.

TEA GARDEN

Applicant claims ownership of Registrations Nos. 253,835, 264,387, and 399,528.
FOR FRUIT AND BERRY PRESERVES, JELLIES, MARASCHINO CHERRIES, SWEET PICKLED FRUITS, BRANDIED FRUITS, MINCEMEAT, TABLE SYRUP, AND FRUIT JUICES—NAMELY, APPLE JUICE.
Claims use since Mar. 1, 1894.

Ser. No. 551,669. THE TOPEKA PACKING COMPANY, Topeka, Kans. Filed Mar. 10, 1948.



The words "Milk Fed" and "Poultry" are disclaimed. The drawing is lined for the color yellow. Applicant claims ownership of Registration No. 153,948.
FOR DRESSED POULTRY.
Claims use since Jan. 4, 1915.

Ser. No. 551,670. THE TOPEKA PACKING COMPANY, Topeka, Kans. Filed Mar. 10, 1948.



The drawing is lined to indicate green, red, and silver. No claim is made to the exclusive use of the words "Milk Fed" and "Poultry" apart from the mark as shown.
FOR DRESSED POULTRY.
Claims use since Jan. 4, 1915.

Ser. No. 551,904. KUJAWSKI & LONCHEK, Cassville, N. Y. Filed Mar. 13, 1948.



The drawing is lined for the color green.
FOR POTATOES IN THEIR NATURAL STATE.
Claims use since Dec. 21, 1946.

Ser. No. 552,721. RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Mar. 22, 1948.

PICLETS

FOR POULTRY FEEDS WHOSE PRINCIPAL INGREDIENTS ARE CRUDE PROTEIN, CRUDE FAT, CRUDE FIBER, AND NITROGEN-FREE EXTRACT.
Claims use since Feb. 27, 1948.

Ser. No. 554,677. JOHN F. LALLA COMPANY, Chicago, Ill. Filed Apr. 15, 1948. (Sec. 2f.)

Blackstone

The drawing is lined to indicate shading only. Applicant claims ownership of Registrations Nos. 379,500, 279,843, 267,344, and 127,075.
FOR TAPIOCA, BAKING CHOCOLATE, HONEY, CANNED PINEAPPLE JUICE FOR FOOD PURPOSES, CANNED SLICED BEEF, CANNED SHRIMPS, NOODLES, CANNED TUNA FISH, COCOANUT, RICE, CANNED MUSHROOMS, CARAWAY SEED, MUSHROOMS (PKG.), CANNED TOMATO SAUCE, DOG FOOD, MARSHMALLOWS, PRUNE JAM, CANNED TOMATO JUICE, WHEAT FLOUR, PACKAGED BARLEY, CHOCOLATE SYRUP FOR FOOD PURPOSES, FLAVORING EXTRACTS FOR FOOD PURPOSES, BIRD SEED, PREPARED MUSTARD, PEANUT BUTTER, CANNED KRAUT JUICE, CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES, CANNED CHILI CON CARNE, DRIED PEAS AND BEANS, MACARONI, SPAGHETTI, POPPY SEED FOR FOOD PURPOSES, AND FRENCH DRESSING, CANNED ORANGE JUICE, CANNED BLENDED ORANGE AND GRAPEFRUIT JUICE.
Claims use since 1916.

Ser. No. 556,616. ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed May 10, 1948.

BUD

FOR FROZEN WHOLE EGGS, FROZEN EGG WHITES, AND FROZEN EGG YOLKS, ALL SOLD WITH OR WITHOUT ADDED INGREDIENTS, AS SUGAR, SALT, AND/OR STABILIZING SYRUP.
Claims use since Apr. 16, 1947.

Ser. No. 556,670. TEXSUN CITRUS EXCHANGE, Weslaco, Tex. Filed May 10, 1948.

Texsun

Applicant claims ownership of Registrations Nos. 217,124 and 358,242.
FOR FRESH CITRUS FRUITS, CANNED CITRUS JUICES FOR FOOD PURPOSES, CANNED GRAPEFRUIT SEGMENTS, AND DRIED CITRUS PULP.
Claims use since Nov. 20, 1925.

Ser. No. 558,606. WAYNE CANDIES, INC., Fort Wayne, Ind. Filed June 5, 1948.

BUN

Applicant claims ownership of Registration No. 371,667.
FOR CANDY.
Claims use since Jan. 10, 1947.

Ser. No. 560,354. SCHREIBER MILLING & GRAIN CO., St. Joseph, Mo., now by change of name Schreiber Mills, Inc., doing business as Schreiber Mills. Filed June 28, 1948.

KATTLE LASSY

The word "Kattle" is disclaimed. Applicant claims ownership of Registrations Nos. 235,240 and 431,236.
FOR STOCK FEED CONTAINING CANE MOLASSES, COTTON SEED MEAL, COTTON SEED FEED, UREA, CORN GLUTEN, LINSEED OIL MEAL, AND OTHER INGREDIENTS.
Claims use since May 26, 1948.

Ser. No. 560,355. SCHREIBER MILLING & GRAIN CO., St. Joseph, Mo., now by change of name Schreiber Mills, Inc., a corporation of Missouri, doing business as Schreiber Mills. Filed June 28, 1948.

LASSY

Applicant claims ownership of Registrations Nos. 235,240 and 431,236.
FOR LIVE STOCK AND POULTRY FEED CONTAINING COTTON SEED MEAL, SOY BEAN OIL MEAL, LINSEED OIL MEAL, AND OTHER INGREDIENTS.
Claims use since Oct. 25, 1947.

Ser. No. 562,418. TAYLOR FOOD COMPANY, Raleigh, N. C. Filed July 28, 1948.

Square-C

The word "Square" is disclaimed. The representation of the chef shown in the drawing is fanciful. Applicant claims ownership of Registration No. 507,325.
FOR PEANUT BUTTER SANDWICHES.
Claims use since July 28, 1947.

Ser. No. 562,490. BERNARD A. PATTERSON, doing business under the name Albulac Company, Chicago, Ill. Filed July 29, 1948.

ALBULAC

FOR WHIPPING AGENT CONSISTING OF NON-FAT MILK SOLIDS, VEGETABLE PROTEIN, AND FLAVORING.
Claims use since Apr. 20, 1942.

Ser. No. 562,963. SAN PAT VEGETABLE COMPANY, Sinton, Tex. Filed Aug. 6, 1948. (Sec. 2f.)

BEST BENSON'S

FOR FRESH VEGETABLES.
Claims use since February 1935.

Ser. No. 566,564. ATLANTIC COMMISSION COMPANY, INC., New York, N. Y. Filed Oct. 7, 1948.

REGALO

The representation of the goods is disclaimed. Applicant claims ownership of Registrations Nos. 316,562, 501,782, and 500,970.
FOR FRESH APPLES AND FRESH VEGETABLES—NAMELY, POTATOES, TOMATOES, AND SPINACH; AND NUTS—NAMELY, ROASTED UNSHELLED PEANUTS, SHELLED ALMONDS, PECAN MEATS, SHELLED FILBERTS, WALNUT MEATS, UNSHELLED WALNUTS, AND SHELLED CASHEWS.
Claims use on potatoes, tomatoes, and nuts—namely, roasted unshelled peanuts, shelled almonds, pecan meats, shelled filberts, walnut meats, unshelled walnuts, and shelled cashews, since Aug. 3, 1948; and on apples and spinach, since Oct. 1, 1948.

Ser. No. 566,939. IMPERIAL CANDY COMPANY, Seattle, Wash. Filed Oct. 13, 1948.

Jane Adair

The name "Jane Adair" is fanciful. The drawing is stippled for shading purposes only.
FOR CANDY.
Claims use since Sept. 20, 1948.

Ser. No. 566,944. ANNE LEE CANDY SHOPS, Norfolk, Va. Filed Oct. 13, 1948. (Sec. 2f.)

Anne Lee

The name "Anne Lee" is fanciful.
FOR CANDY.
Claims use since September 1925.

Ser. No. 568,451. ROYAL FEED & MILLING CO., doing business as Royal Staf-O-Life Mills, Memphis, Tenn., and Meridian, Miss. Filed Nov. 9, 1948.

SUNRISE

Applicant claims ownership of Registration No. 243,685.
FOR FEEDS FOR LIVESTOCK AND POULTRY—NAMELY, HEN SCRATCH FEED, GROWING GRAINS,

BABY CHICK GRAINS (THE PRINCIPAL INGREDIENTS OF EACH OF WHICH ARE GRAINS); LAYING MASH, GROWING MASH, CHICK STARTER (COMPLETE RATION), HOG RATION, FARM FEED (THE PRINCIPAL INGREDIENTS OF EACH OF WHICH ARE GRAIN PRODUCTS AND BY-PRODUCTS, MEAT SCRAPS AND MINERALS); MIXING FEED, DAIRY FEED (THE PRINCIPAL INGREDIENTS OF EACH OF WHICH ARE GRAIN BY-PRODUCTS, MOLASSES, AND MINERALS); AND 34% PROTEIN HOG SUPPLEMENT (THE PRINCIPAL INGREDIENTS OF WHICH ARE TANKAGE, WHEAT BY-PRODUCTS, OIL CAKE MEALS, AND MINERALS).
Claims use since 1913.

Ser. No. 569,155. THOMAS SLADE GORTON, JR., doing business as Slade Gorton Company, Chicago, Ill. Filed Nov. 20, 1948.

HI DIDDLE DIDDLE

FOR CAT FOOD.
Claims use since 1948.

Ser. No. 570,429. NOB HILL BRANDS, INC., San Francisco and Stockton, Calif. Filed Dec. 13, 1948.



The word "Brands" is disclaimed. Applicant claims ownership of Registration No. 75,883.
FOR SPAGHETTI SAUCE AND CHICKEN TAMALE.
Claims use since Feb. 12, 1948.

Ser. No. 570,758. FALLS CANNING CO., Oconto Falls, Wis. Filed Dec. 15, 1948.

U and I

FOR CANNED VEGETABLES.
Claims use since June 1, 1911.

Ser. No. 570,759. PULASKI CANNING CO., Oconto Falls, Wis. Filed Dec. 15, 1948.

Gold Kist

Applicant claims ownership of Registration No. 262,200.
FOR CANNED VEGETABLES.
Claims use since June 1, 1928.

Ser. No. 570,760. PULASKI CANNING CO., Oconto Falls, Wis. Filed Dec. 15, 1948.

Tru-Gold

Applicant claims ownership of Registration No. 262,202.
FOR CANNED VEGETABLES.
Claims use since June 1, 1928.

Ser. No. 572,218. SUNSET PACKING CO., INC., Pembroke and West Pembroke, Maine. Filed Jan. 14, 1949.

Drummer Boy

Applicant claims ownership of Registration No. 110,268.
FOR CANNED FISH.
Claims use since August 1907.

Ser. No. 572,219. SUNSET PACKING CO., INC., Pembroke and West Pembroke, Maine. Filed Jan. 14, 1949.

LOOKOUT

Applicant claims ownership of Registration No. 98,213.
FOR CANNED FISH.
Claims use since June 10, 1913.

Ser. No. 572,220. SUNSET PACKING CO., INC., Pembroke and West Pembroke, Maine. Filed Jan. 14, 1949.

RONDO

Applicant claims ownership of Registration No. 124,895.
FOR CANNED FISH.
Claims use since June 19, 1918.

Ser. No. 573,850. A. O. SMITH & SON, Watertown, N. Y. Filed Feb. 14, 1949.



The drawing is lined for the colors black and orange.
FOR DRESSED TURKEYS.
Claims use since Oct. 20, 1948.

Ser. No. 573,915. THOMAS L. BLACKMAN, doing business as Border Produce Company, Calexico, Calif. Filed Feb. 16, 1949.

PROUD

FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since Dec. 1, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 564,755. JAS. BARCLAY & CO. LIMITED, Detroit, Mich., and Peoria, Ill. Filed Sept. 7, 1948. (Sec. 2f.)

Barclay's

Applicant claims ownership of Registrations Nos. 342,055, 356,400, and 364,275.
FOR WHISKEY AND GIN.
Claims use since Jan. 11, 1934.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 522,054. HOUSE OF HOLLYWOOD, Los Angeles, Calif. Original filed, act of 1905, May 7, 1947; amended to application under act of 1946, Principal Register, Aug. 5, 1948. (Sec. 2f.)

House of Hollywood

FOR COSMETICS—NAMELY, FACE CREAMS, FACE POWDER, LIPSTICK, ROUGE, COLOGNE, PERFUME, MASCARA, BATH SALTS, NAIL POLISH, LIQUID NAIL POLISH REMOVER, SKIN LOTIONS, POWDER BASE, BEAUTY MASKS AND PACKS, SHAMPOO, SUN TAN LOTION, BRILLIANTINE, AND HAIR OIL.
Claims use since Oct. 5, 1935.

Ser. No. 550,602. LUCIEN LELONG, INC., Chicago, Ill. Filed Feb. 26, 1948.

RAZZEL-DAZZEL

FOR ROUGE AND LIPSTICK.
Claims use since Jan. 14, 1948.

Ser. No. 560,888. RICHARD HUDNUT, New York, N. Y. Filed July 8, 1948.

Sophisti-Color

The word "Color" is disclaimed. Applicant claims ownership of Registration No. 507,052.
FOR ROUGE.
Claims use since July 2, 1948.

Ser. No. 565,705. JACOB KONOVSKY, doing business as Ar-Jax Products Co., Chicago, Ill. Filed Sept. 23, 1948.



FOR INCENSE AND SACHET POWDER.
Claims use since Oct. 28, 1944.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 510,408. STURMAN MANUFACTURING COMPANY, North Kansas City, Mo. Original filed, act of 1905, Oct. 7, 1946; amended to application under act of 1946, Principal Register, Oct. 16, 1948. (Sec. 2f.)

Sturman's

FOR DRY CLEANER IN THE FORM OF A VOLATILE CLEANING FLUID.
Claims use since Jan. 15, 1926.

Ser. No. 522,054. HOUSE OF HOLLYWOOD, Los Angeles, Calif. Original filed, act of 1905, May 7, 1947, amended to application under act of 1946, Principal Register, Aug. 5, 1948. (Sec. 2f.) (Classified in Class 51.)

House of Hollywood

FOR COSMETICS—NAMELY, FACE CREAMS, FACE POWDER, LIPSTICK, ROUGE, COLOGNE, PERFUME, MASCARA, BATH SALTS, NAIL POLISH, LIQUID NAIL POLISH REMOVER, SKIN LOTIONS, POWDER BASE, BEAUTY MASKS AND PACKS, SHAMPOO, SUN TAN LOTION, BRILLIANTINE, AND HAIR OIL.
Claims use since Oct. 5, 1935.

Ser. No. 530,221. LUCIEN LELONG, INC., Chicago, Ill. Filed Aug. 1, 1947.

LUCIEN LELONG

Lucien Lelong is the name of a living individual, consent to use and register filed herewith. Applicant claims ownership of Registrations Nos. 233,371 and 418,655.
FOR SOAP.
Claims use since December 1928.

Ser. No. 561,894. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948. (Sec. 2f.)

HARDNOX ALKALI

The word "Alkali" is disclaimed.
FOR INORGANIC DETERGENT HAVING WATER SOFTENING AND GERMICIDAL PROPERTIES ESPECIALLY FOR WASHING GLASS RETURNABLE CONTAINERS.
Claims use since Jan. 1, 1935.

Ser. No. 561,896. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948.

HITEST ALKALI

The word "Alkali" is disclaimed.
FOR INORGANIC DETERGENT HAVING WATER SOFTENING AND GERMICIDAL PROPERTIES ESPECIALLY FOR WASHING GLASS RETURNABLE CONTAINERS.
Claims use since Jan. 1, 1937.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 531,505. NATIONAL GEOGRAPHIC SOCIETY, Washington, D. C. Filed Aug. 15, 1947. (Sec. 2f.) (Classified in Class 107.)

NATIONAL GEOGRAPHIC SOCIETY

Applicant claims ownership of Registration No. 133,170.
FOR EXPLORING AND DISCOVERING, GATHERING, COMPILING, AND DISSEMINATING KNOWLEDGE OF THE SCIENCE OF THE EARTH AND ITS LIFE, EMBRACING THE LAND, THE SEA, AND THE AIR, WITH PARTICULAR EMPHASIS ON GEOGRAPHICAL, EDUCATIONAL, SCIENTIFIC, NATURAL, COSMIC, ECONOMIC, AND HISTORICAL SUBJECTS.
Claims use since 1888.

Ser. No. 533,199. MATTHEW W. POTTS, doing business as International Materials Handling Council, New York, N. Y. Filed Sept. 3, 1947.



The words "International Materials Handling Council" are disclaimed.
FOR MATERIALS HANDLING CONSULTANT AND ADVISORY SERVICES—NAMELY, ADVICE REGARDING SELECTION OF PROPER MACHINERY, WAREHOUSING OF MERCHANDISE, SPACE ALLOCATION, CORRECT INVENTORY PROCEDURES, TECHNIQUES FOR LOADING AND UNLOADING MATERIALS.
Claims use since Feb. 15, 1943.

Ser. No. 548,140. CHICAGO TOWEL COMPANY, Chicago, Ill. Filed Jan. 28, 1948.

CLEAN-O-MATIC

The word "Clean" is disclaimed.
FOR SUPPLYING LAUNDERED LINENS AS TOWELS, UNIFORMS, APRONS, TABLE CLOTHS, ETC., ON A CONTRACT BASIS.
Claims use since January 1939.

Ser. No. 552,867. THE H. W. NORTH COMPANY, Erie, Pa. Filed Mar. 24, 1948.



FOR SPECIALIZED CONSULTING AND DESIGN ENGINEERING SERVICES RELATING TO COST ENGINEERING, INDUSTRIAL PRODUCTION CONTROL, PRODUCTION ENGINEERING AND PLANT LAYOUT OF INDUSTRIAL PLANTS, DRAFTING, AND MECHANICAL ENGINEERING INCLUDING THE DESIGN OF PRODUCTION MACHINERY AND EQUIPMENT FOR INDUSTRIAL USE AND DESIGN AND DEVELOPMENT OF INDUSTRIAL PRODUCTS.
Claims use since Jan. 1, 1943.

Ser. No. 552,872. THE H. W. NORTH COMPANY, Erie, Pa. Filed Mar. 24, 1948.

NORTHMASTER

FOR SPECIALIZED CONSULTING AND DESIGN ENGINEERING SERVICES RELATING TO COST ENGINEERING, INDUSTRIAL PRODUCTION CONTROL, PRODUCTION ENGINEERING AND PLANT LAYOUT OF INDUSTRIAL PLANTS, DRAFTING, AND MECHANICAL ENGINEERING INCLUDING THE DESIGN OF PRODUCTION MACHINERY AND EQUIPMENT FOR INDUSTRIAL USE AND DESIGN AND DEVELOPMENT OF INDUSTRIAL PRODUCTS.
Claims use since Jan. 1, 1943.

Ser. No. 560,314. ELISABETH BANNING, San Francisco, Calif. Filed June 28, 1948.

Color Speaks

The word "Color" is disclaimed.
FOR COLOR CONSULTATION—NAMELY, ADVISING ARCHITECTS AS TO USE OF COLOR IN THE DESIGNING OF THE INTERIORS AND EXTERIORS OF COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS.
Claims use since September 1947.

Ser. No. 568,159. POWERS X-RAY PRODUCTS, INC., doing business under the name and style of Powers X-Ray Service, Glen Cove, N. Y. Filed Oct. 14, 1948. (Sec. 2f.)

POWERS X-RAY SERVICE

The words "X-Ray Service" are disclaimed. Applicant claims ownership of Registration No. 425,895.
FOR MAKING CHEST X-RAYS—NAMELY, RADIOGRAPHS FOR THE DIAGNOSIS OF PULMONARY, CARDIAC, AND OTHER PATHOLOGICAL CONDITIONS.
Claims use since July 1943.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 544,606. JUNE WINTERS PERETTI, New York, N. Y. Filed Dec. 17, 1947.

the Lady in Blue

FOR SINGING AND NARRATIVE PERSONAL PERFORMANCES FOR RADIO, FOR PHONOGRAPH RECORDINGS, AND FOR STAGE APPEARANCES, WRITING SCRIPTS FOR RADIO AND RECORDING PROGRAMS, AND MUSICAL ARRANGEMENTS.
Claims use since February 1947.

Ser. No. 548,371. ELIZABETH MULLEN HUNT, Nacogdoches, Tex. Filed Jan. 30, 1948.

Miss Betty's Happy Kitchen.

FOR ENTERTAINMENT AND ADVERTISING SERVICE THROUGH THE MEDIUM OF A RADIO PROGRAM.
Claims use since June 5, 1947.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 532,129. FIDELITY-PHENIX FIRE INSURANCE COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 22, 1947.



All wording in the drawing is disclaimed except "Phenix."

FOR THE UNDERWRITING BY FIDELITY-PHENIX FIRE INSURANCE COMPANY OF NEW YORK OF THE FOLLOWING CLASSES OF INSURANCE: FIRE INSURANCE; MISCELLANEOUS PROPERTY INSURANCE; WATER DAMAGE INSURANCE; COLLISION INSURANCE; MOTOR VEHICLE AND AIRCRAFT INSURANCE; MARINE INSURANCE; MARINE PROTECTION AND INDEMNITY INSURANCE; REINSURANCE OF RISKS OF EVERY KIND OR DESCRIPTION, EXCEPT LIFE AND ANNUITIES; AND ON RISKS OUTSIDE OF THE UNITED STATES, ITS TERRITORIES AND POSSESSIONS, ALL KINDS OF INSURANCE, EXCEPT LIFE AND ANNUITIES.

Claims use since Mar. 1, 1910.

Ser. No. 532,923. THE FIDELITY AND CASUALTY COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 30, 1947.



The applicant disclaims all right to the exclusive use of the words appearing in the service mark, except for the Latin words "Semper Ubique," the English translation of which is: Always Everywhere.

FOR THE UNDERWRITING BY THE FIDELITY AND CASUALTY COMPANY OF NEW YORK OF THE FOLLOWING CLASSES OF INSURANCE: ACCIDENT AND HEALTH INSURANCE; WATER DAMAGE INSURANCE; BURGLARY AND THEFT INSURANCE; GLASS INSURANCE; BOILER AND MACHINERY INSURANCE; ELEVATOR INSURANCE; ANIMAL INSURANCE; COLLISION INSURANCE; PERSONAL INJURY LIABILITY INSURANCE; PROPERTY DAMAGE LIABILITY INSURANCE; WORKMEN'S COMPENSATION AND EMPLOYERS' LIABILITY INSURANCE; FIDELITY AND SURETY INSURANCE; CREDIT INSURANCE; MOTOR VEHICLE AND AIRCRAFT INSURANCE; REINSURANCE OF RISKS OF EVERY KIND OR DESCRIPTION, EXCEPT LIFE AND ANNUITIES; AND ON RISKS OUTSIDE OF THE UNITED STATES, ITS TERRITORIES AND POSSESSIONS, ALL KINDS OF INSURANCE, EXCEPT LIFE AND ANNUITIES.

Claims use since Nov. 1, 1895.

Ser. No. 558,140. THE KANAWHA VALLEY BANK, Charleston, W. Va. Filed May 29, 1948.

VALLEYPLAN

FOR FINANCING THE PURCHASE OF AUTOMOBILES AND THE INITIAL INSURANCE PREMIUM THEREFOR.

Claims use since Nov. 19, 1946.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 555,103. INLAND MANUFACTURING COMPANY, Omaha, Nebr. Filed Apr. 20, 1948.

INLAND

FOR TESTING, CLEANING, RECORING, REPAIRING, AND REBUILDING RADIATORS USED IN CONNECTION WITH AUTOMOBILES, TRUCKS, AND TRACTORS, AND FUEL OPERATED MOTORS AND ENGINES USED IN VARIOUS FIELDS.

Claims use since Feb. 4, 1948.

Ser. No. 555,104. INLAND MANUFACTURING COMPANY, Omaha, Nebr. Filed Apr. 20, 1948.



The lining is for shading only. The words "Radiator Service" and the representation of a radiator are disclaimed apart from the mark as shown.

FOR TESTING, CLEANING, RECORING, REPAIRING, AND REBUILDING RADIATORS USED IN CONNECTION WITH AUTOMOBILES, TRUCKS, AND TRACTORS, AND FUEL OPERATED MOTORS AND ENGINES USED IN VARIOUS FIELDS.

Claims use since Feb. 4, 1948.

Ser. No. 555,107. INLAND MANUFACTURING COMPANY, Omaha, Nebr. Filed Apr. 20, 1948.



The cross hatching is for shading only. The figure is fanciful.

FOR TESTING, CLEANING, RECORING, REPAIRING, AND REBUILDING RADIATORS USED IN CONNECTION WITH AUTOMOBILES, TRUCKS, AND TRACTORS, AND FUEL OPERATED MOTORS AND ENGINES USED IN VARIOUS FIELDS.

Claims use since Feb. 9, 1948.

Ser. No. 581,864. CENTRILINE CORPORATION, New York, N. Y. Filed July 13, 1949.

CENTRILINE

FOR SERVICE WHICH COMPRISES LINING WATER MAINS WITH CEMENT-MORTAR.

Claims use since 1935.

Ser. No. 581,865. CENTRILINE CORPORATION, New York, N. Y. Filed July 13, 1949.



The word "Process" is disclaimed.

FOR SERVICE WHICH COMPRISES LINING WATER MAINS WITH CEMENT-MORTAR.

Claims use since 1935.

CLASS 104

COMMUNICATION

Ser. No. 537,261. THE WGAR BROADCASTING COMPANY, Cleveland, Ohio. Filed Oct. 8, 1947. (Sec. 2f.)

"CLEVELAND'S FRIENDLY STATION"

FOR RADIO BROADCASTING.

Claims use since 1930.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 546,375. EASTERN AIR LINES, INC., New York, N. Y. Filed Jan. 7, 1948. (Sec. 2f.)

EASTERN *Air Lines*

Applicant disclaims the words "Air Lines."

FOR AIR TRANSPORTATION OF PERSONS, PROPERTY, AND MAIL.

Claims use since May 16, 1934.

Ser. No. 546,378. EASTERN AIR LINES, INC., New York, N. Y. Filed Jan. 7, 1948.



FOR AIR TRANSPORTATION OF PERSONS, PROPERTY, AND MAIL.

Claims use since Feb. 10, 1935.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 531,505. NATIONAL GEOGRAPHIC SOCIETY, Washington, D. C. Filed Aug. 15, 1947. (Sec. 2f.)

NATIONAL GEOGRAPHIC SOCIETY

Applicant claims ownership of Registration No. 133,170.

FOR EXPLORING AND DISCOVERING, GATHERING, COMPILING, AND DISSEMINATING KNOWLEDGE OF THE SCIENCE OF THE EARTH AND ITS LIFE, EMBRACING THE LAND, THE SEA, AND THE AIR, WITH PARTICULAR EMPHASIS ON GEOGRAPHICAL, EDUCATIONAL, SCIENTIFIC, NATURAL, COSMIC, ECONOMIC, AND HISTORICAL SUBJECTS.

Claims use since 1888.

Ser. No. 532,243. MARJORIE THOMA MCCORMICK, doing business under the professional name Marjorie Thoma, Pittsburgh, Pa. Filed Aug. 23, 1947.

The Dream Weaver

FOR ENTERTAINMENT SERVICES—NAMELY, TO PROGRAM AND TO BROADCAST A RADIO SERIES DEVOTED TO POETRY AND PROSE.
Claims use since Aug. 1, 1940.

Ser. No. 544,606. JUNE WINTERS PERETTI, New York, N. Y. Filed Dec. 17, 1947. (Classified in Class 101.)

The Lady in Blue

FOR SINGING AND NARRATIVE PERSONAL PERFORMANCES FOR RADIO, FOR PHONOGRAPH RECORDINGS, AND FOR STAGE APPEARANCES, WRITING SCRIPTS FOR RADIO AND RECORDING PROGRAMS, AND MUSICAL ARRANGEMENTS.
Claims use since February 1947.

Ser. No. 546,623. J. EDWARD SLAVIN, New Haven, Conn. Filed Jan. 9, 1948.

JAIL ON WHEELS

FOR EDUCATIONAL SERVICES IN DISPLAYING POLICE EQUIPMENT AND TEACHING THE PUNISHMENTS FOR CRIME.
Claims use since July 1945.

Ser. No. 548,371. ELIZABETH MULLEN HUNT, Nacogdoches, Tex. Filed Jan. 30, 1948. (Classified in Class 101.)

Miss Betty's Happy Kitchen.

FOR ENTERTAINMENT AND ADVERTISING SERVICE THROUGH THE MEDIUM OF A RADIO PROGRAM.
Claims use since June 5, 1947.

Ser. No. 550,106. WESTINGHOUSE RADIO STATIONS, INC., Indianapolis, Ind., and Philadelphia, Pa. Filed Feb. 18, 1948.

Dream Weaver

FOR ENTERTAINMENT SERVICE THROUGH THE MEDIUM OF RADIO.
Claims use since Oct. 29, 1940.

Ser. No. 554,900. JERRY LESTER, New York, N. Y. Filed Apr. 17, 1948.

"JERRY TALES"

The word "Tales" is disclaimed.
FOR ENTERTAINMENT SERVICES RENDERED THROUGH THE MEDIUM OF RADIO PROGRAM BROADCASTS.
Claims use since Aug. 11, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,728. CHOCOLATE PIECES OF SEMI-SWEET CHOCOLATE USED AS A CONFECTION AS WELL AS FOR BAKING. ROCKWOOD & Co., Brooklyn, N. Y.
Filed June 28, 1945, Serial No. 485,158. Published Oct. 25, 1949. Class 46.

443,729. THE FOLLOWING GOODS MADE OF PLASTIC FILM: BAGS FOR STORING FOOD IN REFRIGERATORS, BREAD BAGS, BAGS FOR THE JACKETS OF MEN'S SUITS, GARMENT BAGS, DRESS BAGS, SUIT BAGS, BLANKET BAGS, LINEN BAGS, AND PILLOW BAGS. STANLEY V. BOLAND, doing business as Boland Manufacturing Company, Chicago, Ill., assignor to Boland Mfg. Co., Winona, Minn., a corporation of Illinois.
Filed Aug. 20, 1945, Serial No. 487,803. Published Jan. 13, 1948. Class 2.

443,730. PAPER, COATED WITH SYNTHETIC RESIN IN SHEET OR ROLL FORM OR LAMINATED TO A FILM OF SYNTHETIC RESIN. PACKAGING INDUSTRIES LIMITED, Montclair, N. J.
Filed Nov. 21, 1945, Serial No. 491,994. Published Sept. 13, 1949. Class 37.

443,731. CANNED FISH AND CANNED CRAYFISH. A/S GUBBEN'S KONSERVESFABRIKER, Hundested, Denmark.
Filed Jan. 25, 1946, Serial No. 495,378. Published Oct. 25, 1949. Class 46.

443,732. ELECTRICAL PHONOGRAPHS AND PARTS THEREFOR. AUDIO INDUSTRIES, Michigan City, Ind.
Filed Mar. 1, 1946, Serial No. 497,443. Published Nov. 16, 1948. Class 21.

443,733. ROLLS AND SHEETS OF MATERIAL MADE FROM A FABRIC IMPREGNATED WITH RUBBER AND THEN SURFACE COATED WITH VINYL PLASTIC OR PYROXYLINE AND SUITABLE FOR USE AS LININGS FOR SHOES AND LEATHER BELTS IN SOMEWHAT THE SAME MANNER THAT ARTIFICIAL LEATHER IS USED. MIDDLETOWN RUBBER CORPORATION, Middletown, Conn.
Filed Mar. 9, 1946, Serial No. 497,946. Published Sept. 27, 1949. Class 50.

443,734. HEATING AND HOT WATER COMBINATION BOILERS. S. T. JOHNSON Co., Oakland, Calif.
Filed Aug. 3, 1946, Serial No. 506,817. Published Sept. 20, 1949. Class 34.

443,735. LIQUID ALKALINE CONCENTRATE OF COMPOUNDED CHEMICALS FOR USE AS AN ALL-PURPOSE DETERGENT AND CONTROL IN WATER CURTAINS FOR PAINT SPRAY BOOTHS. HARCO CHEMICAL COMPANY, E. Cranford, N. J.
Filed Sept. 4, 1946, Serial No. 508,478. Published Sept. 20, 1949. Class 52.

443,736. FOUNTAIN PENS, MECHANICAL PENCILS, AND PARTS THEREOF. L. E. WATERMAN COMPANY, New York, N. Y.
Filed Sept. 16, 1946, Serial No. 509,185. Published Oct. 4, 1949. Class 37.

443,737. LIPSTICKS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed Sept. 19, 1946, Serial No. 509,331. Published Sept. 6, 1949. Class 51.

443,738. HOUSEHOLD FOOD FREEZERS. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y.
Filed Nov. 13, 1946, Serial No. 512,490. Published Mar. 8, 1949. Class 31.

443,739. HAWAIIAN AND SPANISH AMPLIFYING AND ELECTRIC GUITARS, AND GUITAR ACCESSORIES—NAMELY, CASES, PICKS, AND STEELS. VALCO MANUFACTURING COMPANY, Chicago, Ill.
Filed Nov. 26, 1946, Serial No. 513,279. Published Jan. 25, 1949. Class 36.

443,740. ELECTRIC REFRIGERATORS FOR HOUSEHOLD USE. PERFECTION MANUFACTURING CORPORATION, Minneapolis, Minn.
Filed Dec. 11, 1946, Serial No. 514,062. Published Sept. 27, 1949. Class 31.

443,741. PLACE MATS MADE OF CARDBOARD AND PAPER. THE ULLMAN COMPANY INC., Brooklyn, N. Y.
Filed Dec. 31, 1946, Serial No. 515,143. Published Sept. 27, 1949. Class 37.

443,742. SPICES, FOOD FLAVORING EXTRACTS, AND SAUCES—NAMELY, SOY SAUCE, WORCESTERSHIRE SAUCE, GRAVY BASE, AND SOUP SEASONING SAUCE. WASON BROTHERS CO., INC., Seattle, Wash.
Filed Jan. 24, 1947, Serial No. 516,335. Published Nov. 1, 1949. Class 46.

443,743. FRESH CITRUS FRUITS. MELCH & COMPANY, Mission, Tex.
Filed Mar. 25, 1947, Serial No. 519,535. Published June 29, 1948. Class 46.

443,744. ELECTRIC LIGHTING FIXTURES. NEO-RAY PRODUCTS, INCORPORATED, New York, N. Y.
Filed Apr. 11, 1947, Serial No. 520,521. Published Nov. 1, 1949. Class 21.

443,745. FURNITURE COMPOSED OF PANELS, SECTIONS OR OTHER PARTS THAT ARE JOINED TOGETHER BY SEPARABLE PAIRS OF JOINTS OR COUPLINGS AND CONSIST IN: DESKS, BOOK CABINETS, ETC. S. A. F. F. A., S. A. FABBRICHE FIAMMIFERI ED AFFINI, Milano, Italy.
Filed Apr. 15, 1947, Serial No. 520,771. Published Oct. 18, 1949. Class 32.

443,746. MECHANICALLY OPERATED REFRIGERATORS OF THE HOUSEHOLD TYPE. AVCO MANUFACTURING CORPORATION, Detroit, Mich.
Filed May 7, 1947, Serial No. 522,038. Published Mar. 8, 1949. Class 31.

443,747. BASE EXCHANGE WATER TREATMENT APPARATUS—NAMELY, WATER SOFTENERS OF THE IONIC AND ZEOLITE PROCESS TYPES. AUTOMATIC PUMP & SOFTENER CORPORATION, Rockford, Ill.
Filed June 3, 1947, Serial No. 523,451. Published Oct. 18, 1949. Class 31.

443,748. AIR COOLING AND CONDITIONING UNITS AND PARTS THEREOF; MECHANICAL AIR VENTILATOR UNITS—NAMELY, ELECTRICALLY-OPERATED ROTARY FANS AND APPARATUS FOR FILTERING AND/OR HUMIDIFYING, AND PARTS THEREOF, ETC. CONSOLIDATED DISTRIBUTORS' ENGINEERING CORPORATION, Berwyn, Ill.
Filed June 10, 1947, Serial No. 523,886. Published Oct. 4, 1949. Class 34.

443,749. BEVERAGES KNOWN AS SOFT DRINKS, SYRUPS, AND EXTRACTS FOR MAKING THE SAME, AND MIXES FOR MAKING NON-ALCOHOLIC DRINKS. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed June 19, 1947, Serial No. 524,472. Published Nov. 1, 1949. Class 45.

443,750. WALLPAPER, POSTER PAPER AND BOARDS, SHOW-CARDBOARD, CARDBOARD, ETC. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947, Serial No. 524,788. Published Sept. 20, 1949. Class 37.

443,751. DRAWING PAPER, TRACING PAPER, TRACING CLOTH, TRANSPARENT OVERLAY, GRAPH, PROFILE, AND CROSS SECTION PAPERS AND CLOTHS AND FIELD BOOKS (PARTIALLY BLANK BOOKS). KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed July 3, 1947, Serial No. 525,864. Published Sept. 27, 1949. Class 37.

443,752. DRAWING INK. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed July 3, 1947, Serial No. 525,865. Published Nov. 1, 1949. Class 11.

443,753. PAPER TABLETS, ENVELOPES, AND PAPER PACKETS AND FOLDERS FOR LOOSE PAPER. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,033. Published Sept. 27, 1949. Class 37.

443,754. PAPER TABLETS; ACCOUNT, DATA, AND ORDER BOOKS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, ETC. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,058. Published Oct. 18, 1949. Class 37.

443,755. PAPER PACKETS AND FOLDERS FOR LOOSE WRITING PAPER AND LOOSE LEAF BINDERS. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,166. Published Oct. 25, 1949. Class 37.

443,756. DRAWING INK. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed July 4, 1947, Serial No. 526,249. Published Nov. 1, 1949. Class 11.

ACT OF 1946, PRINCIPAL REGISTER

520,540. GOODS MADE WHOLLY OR IN PART OF CROCKERY OR PORCELAIN—NAMELY, PLATES, PLATTERS, CUPS, SAUCERS, ETC. GEORG JENSEN INC., New York, N. Y.
Original filed, act of 1905, June 21, 1946; amended to application under act of 1946, Principal Register, Dec. 24, 1947, Serial No. 504,362. Published Oct. 4, 1949. Class 30.

520,541. DESK SETS AND ACCESSORIES MADE OF, OR HAVING A SETTING OF, LEATHER—NAMELY, DESK PADS, CORRESPONDENCE BOXES, ENGAGEMENT BOOKS, MEMO PAD HOLDERS, DESK FILES, HAND BLOTTERS, DESK CALENDARS, STAMP BOXES, PEN AND PENCIL STANDS, AND INK WELLS. GEORG JENSEN INC., New York, N. Y.
Original filed, act of 1905, June 21, 1946; amended to application under act of 1946, Principal Register, Dec. 24, 1947, Serial No. 504,364. Published Oct. 11, 1949. Class 37.

520,542. ELECTRIC LAMPS—NAMELY, FLOOR LAMPS, BED LAMPS, DESK LAMPS, ETC. FARIES MANUFACTURING COMPANY, Decatur, Ill., assignor to Faries Manufacturing Company, Chicago, Ill., a corporation of Illinois (a new corporation).
Original filed, act of 1905, July 17, 1946; amended to application under act of 1946, Principal Register, June 9, 1948, Serial No. 505,744. Published Oct. 25, 1949. Class 21.

520,543. MACHINES, ATTACHMENTS, AND TOOLS FOR PERFORMING TURNING, MILLING, ETC. THE WADE TOOL CO., Waltham, Mass.
Original filed, act of 1905, July 31, 1946; amended to application under act of 1946, Principal Register, May 26, 1948, Serial No. 506,622. Published Nov. 1, 1949. Class 23.

520,544. KRAFT WRAPPING PAPER. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass.
Original filed, act of 1905, Sept. 11, 1946; amended to application under act of 1946, Principal Register, Aug. 27, 1948, Serial No. 508,861. Published Oct. 11, 1949. Class 37.

520,545. FRESH VEGETABLES. N. A. KALICH, doing business as M. L. Kalich & Co., Watsonville, Calif.
Original filed, act of 1905, Oct. 5, 1946; amended to application under act of 1946, Supplemental Register, Oct. 10, 1947; amended to Principal Register, Nov. 19, 1948, Serial No. 510,320. Published Nov. 1, 1949. Class 46.

520,546. CHINA PLATES AND CHINA BOWLS. THE ROCKWELL SILVER COMPANY, Meriden, Conn.
Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, May 20, 1948, Serial No. 510,727. Published Oct. 4, 1949. Class 30.

520,547. GLASS PLATES AND GLASS BOWLS. THE ROCKWELL SILVER COMPANY, Meriden, Conn.
Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, May 20, 1948, Serial No. 510,728. Published Oct. 4, 1949. Class 33.

520,548. LOCKS, KEYS, AND PARTS OF LOCKS. BEST UNIVERSAL LOCK CO., Seattle, Wash.
Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, Nov. 17, 1947; amended to Principal Register, July 26, 1949, Serial No. 513,382. Published Oct. 4, 1949. Class 25.

520,549. LOCKS, KEYS, AND PARTS OF LOCKS. BEST UNIVERSAL LOCK CO., Seattle, Wash.
Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, Nov. 17, 1947; amended to Principal Register, July 26, 1949, Serial No. 513,383. Published Oct. 4, 1949. Class 25.

520,550. LOCKS, KEYS, AND PARTS OF LOCKS. BEST UNIVERSAL LOCK CO., Seattle, Wash.
Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, Nov. 17, 1947; amended to Principal Register, July 26, 1949, Serial No. 513,384. Published Oct. 4, 1949. Class 25.

520,551. TOY PISTOLS AND GUNS; DARTS; DICE CUPS AND DICE, ETC. J. L. GALEF & SON, INC., New York, N. Y.
Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Principal Register, July 7, 1948, Serial No. 513,404. Published Oct. 18, 1949. Class 22.

520,552. STORAGE BATTERY CHARGERS. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Original filed, act of 1905, Dec. 2, 1946; amended to application under act of 1946, Principal Register, Dec. 18, 1948, Serial No. 513,562. Published Oct. 25, 1949. Class 21.

520,553. TYPEWRITER RIBBON AND CARBON PAPER. UNDERWOOD CORPORATION, New York, N. Y.
Original filed, act of 1905, Dec. 11, 1946; amended to application under act of 1946, Principal Register, June 19, 1948, Serial No. 514,074. Published Nov. 1, 1949. Class 11.

520,554. HYBRID SEED CORN. LOWE SEED COMPANY, Aroma Park, Ill.
Original filed, act of 1905, Jan. 29, 1947; amended to application under act of 1946, Principal Register, Feb. 20, 1948, Serial No. 516,553. Published Oct. 25, 1949. Class 1.

520,555. WRITING PAPER. MONTAG BROTHERS, INC., Atlanta, Ga.
Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Mar. 22, 1948, Serial No. 519,675. Published Oct. 25, 1949. Class 37.

520,556. WRITING PAPER. MONTAG BROTHERS, INC., Atlanta, Ga.
Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947, Serial No. 519,676. Published Oct. 11, 1949. Class 37.

520,557. WRITING PAPER. MONTAG BROTHERS, INC., Atlanta, Ga.
Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947, Serial No. 519,678. Published Oct. 11, 1949. Class 37.

520,558. WRITING PAPER. MONTAG BROTHERS, INC., Atlanta, Ga.
Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947, Serial No. 519,682. Published Oct. 25, 1949. Class 37.

520,559. WRITING PAPER. MONTAG BROTHERS, INC., Atlanta, Ga.
Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947, Serial No. 519,684. Published Oct. 11, 1949. Class 37.

520,560. PURIFIER MACHINE COMPRISED OF A PUMP, MOTOR AND TANK CONNECTED THEREWITH, ETC. HONAN-CRANE CORPORATION, Lebanon, Ind.
Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Principal Register, Sept. 20, 1948, Serial No. 520,166. Published Nov. 1, 1949. Class 23.

520,561. BLEND OF CONDENSED FISH SOLUBLES, FISH MEAL AND RIBOFLAVIN SUPPLEMENT FOR FEEDS FOR LIVE STOCK AND POULTRY. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind.
Original filed, act of 1905, May 3, 1947; amended to application under act of 1946, Principal Register, Sept. 17, 1948, Serial No. 521,796. Published Oct. 25, 1949. Class 46.

520,562. ELECTRICAL APPARATUS—NAMELY, PANEL BOARDS; SWITCH BOARDS, ETC. LEXINGTON ELECTRIC PRODUCTS CO., INC., Newark, N. J.
Original filed, act of 1905, May 10, 1947; amended to application under act of 1946, Principal Register, Dec. 13, 1947, Serial No. 522,179. Published Nov. 1, 1949. Class 21.

520,563. TIRE AND TUBE REPAIR PATCHES. FRITZSCHE TIRE & RELINER COMPANY, Chicago, Ill.
Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Principal Register, Sept. 28, 1949, Serial No. 523,256. Published Oct. 4, 1949. Class 35.

520,564. CANNED TOMATOES, CANNED CHERRIES, TOMATO JUICE. KEYSTONE COOPERATIVE GRAPE ASSOCIATION, North East, Pa.
Original filed, act of 1905, June 17, 1947; amended to application under act of 1946, Principal Register, Apr. 8, 1949, Serial No. 524,334. Published Oct. 18, 1949. Class 46.

520,565. GASKETS, NON-METALLIC WASHERS, RINGS AND PACKINGS OF NATURAL CORK, CORK COMPOSITION, RUBBER, SYNTHETIC RUBBER, CORK AND RUBBER, CORK AND SYNTHETIC RUBBER, ETC. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948, Serial No. 524,936. Published Sept. 6, 1949. Class 35.

520,566. STUCCO. MISSION STUCCO CO., Hynes, Calif.
Original filed, act of 1920, June 30, 1947; amended to application under act of 1946, Principal Register, Mar. 15, 1948, Serial No. 525,229. Published Nov. 1, 1949. Class 12.

520,567. TUBULAR PLASTIC BINDERS FOR BOOKS. PLASTIC BINDING CORPORATION, Chicago, Ill.
Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, Jan. 29, 1948, Serial No. 525,676. Published Oct. 11, 1949. Class 37.

520,568. FRUIT PRESERVES, JELLIES, JAMS, FRUIT BUTTER, MINCE MEAT, TABLE SYRUP, VINEGAR, MARMALADE, KETCHUP, CANNED APPLES, AND CANNED APPLESAUCE. OLD VIRGINIA PACKING COMPANY, INC., Front Royal, Va.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Feb. 26, 1948, Serial No. 526,275. Published Nov. 1, 1949. Class 46.

520,569. PAPER TOWELS. CROWN ZELLERBACH CORPORATION, also doing business as National Paper Prodcucts Sales Company, San Francisco, Calif.
Filed July 5, 1947, Serial No. 527,206. Published Oct. 25, 1949. Class 37.

520,570. TEMPERATURE, PRESSURE, LIQUID LEVEL OR TIME MEASURING AND CONTROLLING SWITCHES OR VALVES, FOR REGULATING HEATING, COOLING OR AIR CONDITIONING SYSTEMS. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed July 5, 1947, Serial No. 527,242. Published Sept. 20, 1949. Class 26.

520,571. PREPARATION FOR THE TREATMENT OF VITAMIN DEFICIENCIES AND HYDROCHLORIC ACID DEFICIENCIES AND HYPOCHLORHYDRIA. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947, Serial No. 527,429. Published Sept. 6, 1949. Class 18.

520,572. PORTABLE WATER COOLERS. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,700. Published Sept. 20, 1949. Class 31.

520,573. CRIMPED SCREEN AIR FILTERS FOR USE WITH ENGINES OR AIR CONDITIONING AND VENTILATING UNITS. FARR COMPANY, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,963. Published Oct. 18, 1949. Class 31.

520,574. MACHINES FOR CUTTING OFF, REAMING AND THREADING PIPES AND CONDUITS AND FOR THREADING SOLID RODS, ETC. THE TOLEDO PIPE THREADING MACHINE COMPANY, Toledo, Ohio.
Filed July 12, 1947, Serial No. 528,533. Published Oct. 25, 1949. Class 23.

520,575. CANNED SALMON. B. T. WEYAND, doing business as Weyand & Co., Seattle, Wash.
Filed July 19, 1947, Serial No. 528,969. Published May 25, 1948. Class 46.

520,576. WELDING TORCHES, CUTTING TORCHES, BRAZING TORCHES, AND PREHEATING TORCHES. THE LIQUID CARBONIC CORPORATION, Chicago, Ill.
Filed July 21, 1947, Serial No. 529,065. Published Dec. 7, 1948. Class 34.

520,577. WELDING TORCHES, CUTTING TORCHES, BRAZING TORCHES, AND PREHEATING TORCHES. THE LIQUID CARBONIC CORPORATION, Chicago, Ill.
Filed July 21, 1947, Serial No. 529,066. Published Dec. 7, 1948. Class 34.

520,578. STILL PICTURE PROJECTORS. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,555. Published Apr. 5, 1949. Class 26.

520,579. MOTION PICTURE PROJECTORS. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,564. Published Apr. 5, 1949. Class 26.

520,580. MOTION PICTURE PROJECTORS. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,576. Published Apr. 5, 1949. Class 26.

520,581. MOTION PICTURE PROJECTORS. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,579. Published Apr. 5, 1949. Class 26.

520,582. FLAT OIL PAINT EITHER IN PASTE OR LIQUID FORM. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed July 26, 1947, Serial No. 529,679. Published Oct. 19, 1948. Class 16.

520,583. STATUETTES, PLAQUES, FIGURES, AND FIGURINES. COVENTRY WARE, INC., Barberton, Ohio.
Filed Aug. 5, 1947, Serial No. 530,472. Published Oct. 4, 1949. Class 50.

520,584. PERFUMES AND ROUGE. LANCOME, S. A., Paris, France.
Filed Aug. 5, 1947, Serial No. 530,526. Published Sept. 6, 1949. Class 51.

520,585. READY MIXED ASPHALT FLOOR SURFACER. ROCK-TRED CORPORATION, Chicago, Ill.
Filed Aug. 5, 1947, Serial No. 530,567. Published Oct. 25, 1949. Class 12.

520,586. TAPE MEASURES. THE LUFKIN RULE COMPANY, Saginaw, Mich.
Filed Aug. 6, 1947, Serial No. 530,659. Published Sept. 20, 1949. Class 26.

520,587. SYNTHETIC RESINOUS ION EXCHANGE MATERIALS. CHEMICAL PROCESS COMPANY, San Francisco, Calif.
Filed Aug. 11, 1947, Serial No. 531,017. Published Sept. 27, 1949. Class 31.

520,588. PAPER LAMINATED WITH SHEET COPPER FOR USES WHERE RESISTANCE TO VAPOR, WATER, OR VERMIN IS DESIRED. ANGIER CORPORATION, Framingham, Mass.
Filed Aug. 14, 1947, Serial No. 531,288. Published Mar. 15, 1949. Class 12.

520,589. OXY-ACETYLENE WELDING AND CUTTING EQUIPMENT—NAMELY, ACETYLENE GENERATORS, GAS WELDING TORCHES, PRESSURE REGULATING VALVES FOR OXYGEN AND ACETYLENE AND TORCH LIGHTERS. MARQUETTE MANUFACTURING CO. INC., Minneapolis, Minn.
Filed Aug. 14, 1947, Serial No. 531,344. Published Oct. 4, 1949. Class 34.

520,590. GLASSINE PAPER. DEERFIELD GLASSINE COMPANY, Monroe Bridge, Mass.
Filed Aug. 15, 1947, Serial No. 531,445. Published Sept. 27, 1949. Class 37.

520,591. FURNACES, BOILERS, WATER HEATERS, AND BURNERS AND ACCESSORIES THEREFOR AND PARTS THEREOF, AND AIR CONDITIONING APPARATUS—NAMELY, ROOM TYPE UNITS FOR COOLING, ETC. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich.
Filed Aug. 15, 1947, Serial No. 531,549. Published Sept. 27, 1949. Class 34.

520,592. EMBOSSED FOLDED PAPER NAPKINS. HOFFMASTER PAPER COMPANY, INC., Oshkosh, Wis.
Filed Aug. 22, 1947, Serial No. 532,136. Published Sept. 27, 1949. Class 37.

520,593. MOTION PICTURE FILM, FILM STRIPS, AND PICTURE SLIDES. CHILDREN'S PRODUCTIONS, Palo Alto, Calif.
Filed Aug. 26, 1947, Serial No. 532,428. Published Sept. 20, 1949. Class 26.

520,594. BREAD. P. F. PETERSEN BAKING COMPANY, also doing business as Peter Pan Bakers, Omaha, Nebr.
Filed Aug. 27, 1947, Serial No. 532,633. Published Nov. 1, 1949. Class 46.

520,595. CAMP STOVES. W. E. LEAKE COMPANY, INCORPORATED, Birmingham, Ala.
Filed Aug. 28, 1947, Serial No. 532,709. Published Oct. 25, 1949. Class 34.

520,596. WRITING PADS INTERLEAVED WITH TRANSFER SLIPS. UARCO INCORPORATED, Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,771. Published Sept. 13, 1949. Class 37.

520,597. CIGARS. JOSE ESCALANTE & Co., Chicago, Ill., assignor to The Henry Straus Co., Cincinnati, Ohio.
Filed Sept. 3, 1947, Serial No. 533,808. Published June 21, 1949. Class 17.

520,598. WOODEN TABLES — NAMELY, DINING, COCKTAIL, AND END TABLES. BAKER FURNITURE, INC., Grand Rapids, Mich.
Filed Sept. 4, 1947, Serial No. 533,815. Published Oct. 25, 1949. Class 32.

520,599. CHEWING GUM. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J.
Filed Sept. 13, 1947, Serial No. 534,405. Published Feb. 22, 1949. Class 46.

520,600. FIBROUS SHEET AND WEB MATERIAL BACKED WITH ADHESIVE—NAMELY, GUMMED TAPE, CLOTH TAPE, SISAL TAPE, LINER BOARD TAPE, KRAFT TAPE, ETC. THE GUMMED PRODUCTS COMPANY, Troy, Ohio.
Filed Sept. 15, 1947, Serial No. 534,529. Published Oct. 19, 1948. Class 5.

520,601. HOUSEHOLD INSECTICIDE SOLD ONLY FOR KILLING ROACHES OR WATERBUGS. EILEEN BASS COKER, doing business as El-Ba-Co Chemical Company, Columbia, S. C.
Filed Sept. 16, 1947, Serial No. 534,606. Published Sept. 6, 1949. Class 6.

520,602. ELECTRIC FAN STANDS SIMULATING TABLES OR MAGAZINE STANDS. W. W. WELCH COMPANY, Cincinnati, Ohio.
Filed Sept. 20, 1947, Serial No. 535,205. Published Nov. 1, 1949. Class 21.

520,603. BLOWGUNS, AND BLOWGUNS AND SPRAYER NOZZLES THEREFOR, AS A UNIT. NEW HAVEN VIBRATOR COMPANY, New Haven, Conn.
Filed Sept. 24, 1947, Serial No. 535,590. Published Oct. 11, 1949. Class 23.

520,604. SPROCKET DRIVE CHAINS FOR POWER TRANSMISSION. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed Sept. 25, 1947, Serial No. 535,710. Published Oct. 4, 1949. Class 23.

520,605. CAKES. TASTY BAKING COMPANY, Philadelphia, Pa.
Filed Sept. 29, 1947, Serial No. 536,173. Published Oct. 25, 1949. Class 46.

520,606. FIRE BRICK. MALVERN BRICK AND TILE COMPANY, Malvern, Ark.
Filed Sept. 30, 1947, Serial No. 536,263. Published Sept. 14, 1948. Class 12.

520,607. MACHINES FOR THE FLAME WORKING OF METALS—NAMELY, METAL WELDING MACHINES, METAL CUTTING MACHINES, MACHINES FOR SQUARING AND EDGING METAL PLATES AND METAL SURFACE REMOVERS. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed Sept. 8, 1947, Serial No. 536,478. Published Oct. 4, 1949. Class 34.

520,608. PAPER TABLETS; PAPETERIES—I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES; AND ENVELOPES. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed Oct. 7, 1947, Serial No. 537,112. Published Oct. 25, 1949. Class 37.

520,609. GASKETS AND PARTS THEREOF—NAMELY, SOFT METALLIC AND NONMETALLIC SEALING MEMBERS, ETC. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.
Filed Oct. 15, 1947, Serial No. 537,956. Published Sept. 20, 1949. Class 35.

520,610. BARN AND BARNYARD EQUIPMENT CONSISTING OF STALLS, STANCHIONS, WINDOWS, PENS, AND PADDOCK FENCING. SIMPLEX, INC., Marshfield, Wis.
Filed Oct. 18, 1947, Serial No. 538,318. Published Oct. 4, 1949. Class 12.

520,611. PULLEY BLOCKS, DETACHABLE CAPSTANS, PIKE POLES, EARTH AUGERS, SOCKET WRENCHES, ETC. A. B. CHANCE COMPANY, Centralia, Mo.
Filed Oct. 23, 1947, Serial No. 538,720. Published Nov. 1, 1949. Class 23.

520,612. SCOURING CLEANSERS. MURPHYSBORO GROCERY COMPANY, Murphysboro, Ill.
Filed Oct. 27, 1947, Serial No. 539,196. Published Sept. 20, 1949. Class 52.

520,613. PAINT IN LIQUID AND PASTE FORM, PAINT ENAMEL, AND SCREEN ENAMEL. CONTINENTAL PAINT & VARNISH CO., Chicago, Ill.
Filed Oct. 28, 1947, Serial No. 539,275. Published Oct. 18, 1949. Class 16.

520,614. BLOWERS FOR HEAT AND VENTILATING SYSTEMS AND VENTILATING FAN UNITS. V. E. SPROUSE COMPANY, INC., Columbus, Ind.
Filed Oct. 28, 1947, Serial No. 539,361. Published Oct. 25, 1949. Class 34.

520,615. ROTARY OIL BURNERS, GUN-TYPE OIL BURNERS, ETC. YORK-SHIPLEY, INC., York, Pa.
Filed Oct. 30, 1947, Serial No. 539,587. Published Oct. 25, 1949. Class 34.

520,616. LIQUEUR GLASSES. MAUDE B. MAY CO. (NOT INC.), Chicago, Ill.
Filed Nov. 1, 1947, Serial No. 539,887. Published Sept. 20, 1949. Class 33.

520,617. COMPLEX SYNTHETIC RESINS IN THE FORM OF PARTICULATE SOLIDS, ETC. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed Nov. 5, 1947, Serial No. 540,195. Published Oct. 18, 1949. Class 31.

520,618. STEEL HARDWARE GOODS—NAMELY, HOES AND RAKES; AGRICULTURAL FORKS—NAMELY, HAY, MANURE, AND GARDEN FORKS, ETC. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind.
Filed Nov. 7, 1947, Serial No. 540,498. Published Oct. 18, 1949. Class 23.

520,619. FRESH CITRUS FRUITS. FILLMORE CITRUS ASSOCIATION, Fillmore, Calif.
Filed Nov. 12, 1947, Serial No. 540,804. Published Oct. 25, 1949. Class 46.

520,620. ELECTRIC HORNS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed Nov. 14, 1947, Serial No. 541,111. Published Oct. 25, 1949. Class 21.

520,621. CANVAS ARMY COTS, STEEL FOLDING COTS, LAWN FURNITURE, BEACH CHAIRS, GLIDERS, CANVAS STOOLS, CAMP STOOLS. HENRY MODELL & CO., INC., New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,159. Published Oct. 4, 1949. Class 32.

520,622. BOX SPRINGS, MATTRESSES, AND DIVANS. THE WATERBURY MATTRESS CO., Waterbury, Conn.
Filed Nov. 14, 1947, Serial No. 541,237. Published Oct. 4, 1949. Class 32.

520,623. FLUID FILTERS OF THE SURFACE FILTRATION TYPE AND FLUID DEMULSIFIERS. BENDIX AVIATION CORPORATION, South Bend, Ind.
Filed Nov. 15, 1947, Serial No. 541,254. Published Sept. 27, 1949. Class 31.

520,624. CASTABLE REFRACTORY CONCRETE MATERIALS EMPLOYED IN CASTING FURNACE HEARTHS AND THE LIKE. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 20, 1947, Serial No. 541,860. Published Sept. 27, 1949. Class 12.

520,625. CASTABLE REFRACTORY MATERIALS OF GRANULAR FORM EMPLOYED IN CASTING THE BAFFLE WALLS OF BOILERS. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 20, 1947, Serial No. 541,863. Published Oct. 4, 1949. Class 12.

520,626. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 21, 1947, Serial No. 541,940. Published Sept. 27, 1949. Class 12.

520,627. FELT AND FELTING SOLD IN THE PIECE AND INTENDED FOR VARIOUS USES, AS MAKING SHOES AND SLIPPERS, SURGICAL PADS, AND SEALS FOR BALL BEARINGS. AMERICAN FELT COMPANY, Glenville, Conn.
Filed Nov. 22, 1947, Serial No. 541,991. Published Sept. 27, 1949. Class 50.

520,628. PAPER FACIAL TISSUES, PAPER NAPKINS, PAPER TOWELS, AND TOILET TISSUE. CROWN ZELLERBACH CORPORATION, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif.
Filed Nov. 22, 1947, Serial No. 542,008. Published Oct. 25, 1949. Class 37.

520,629. TOILET TISSUE AND FACIAL TISSUE. CROWN ZELLERBACH CORPORATION, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif.
Filed Nov. 22, 1947, Serial No. 542,009. Published Oct. 25, 1949. Class 37.

520,630. MECHANICAL SPEED REDUCTION DRIVES. THE AMERICAN PULLEY COMPANY, Philadelphia, Pa.
Filed Nov. 28, 1947, Serial No. 542,501. Published Nov. 1, 1949. Class 23.

520,631. DEVICES FOR KILLING AND DISABLING INSECTS, FLIES AND THE LIKE, KNOWN AS FLY KILLERS OR FLY SWATTERS. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed Nov. 28, 1947, Serial No. 542,699. Published Oct. 4, 1949. Class 50.

520,632. VEGETABLE CRYSTALLIZING OIL COMPOSED OF STEARIC AND OTHER HIGH MELTING POINT FAT GLYCERIDES PRODUCED BY PRESSURE TO BE USED IN THE MANUFACTURE OF COATINGS FOR BISCUITS AND CONFECTIONS; ALSO IN THE PRODUCTION OF CANDIES TO AID IN CHEWING AND CUTTING QUALITIES. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 1, 1947, Serial No. 542,834. Published Nov. 1, 1949. Class 46.

520,633. **POPCORN SEASONING MADE FROM PURE COCOANUT OIL FOR SEASONING AND COOKING POPCORN.** THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 1, 1947, Serial No. 542,836. Published Nov. 1, 1949. Class 46.

520,634. **SALAD DRESSING.** THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 1, 1947, Serial No. 542,837. Published Nov. 1, 1949. Class 46.

520,635. **OLEOMARGARINE.** THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 1, 1947, Serial No. 542,838. Published Nov. 1, 1949. Class 46.

520,636. **POWDERED HIGH-MELTING-POINT VEGETABLE-OIL STEARINE IN CANS AND BARRELS USED IN CONFECTIONS AND COATINGS AS A PREVENTIVE OF LIQUEFACTION OF OTHER FATS AT HIGH TEMPERATURE AND INTENDED TO PRODUCE A DRY TEXTURE IN THE MATERIALS IN WHICH IT IS USED.** THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 1, 1947, Serial No. 542,839. Published Nov. 1, 1949. Class 46.

520,637. **PURE ALL HYDROGENATED VEGETABLE OIL.** THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 1, 1947, Serial No. 542,840. Published Nov. 1, 1949. Class 46.

520,638. **HYDROGENATED VEGETABLE OIL.** THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 1, 1947, Serial No. 542,841. Published Nov. 1, 1949. Class 46.

520,639. **GLASS TABLEWARE—NAMELY, TRAYS, FRUIT DISHES, AND DRINKING GLASSES.** HARRY I. KLEINBERG, doing business under the assumed name of Hickey Sales Company, Pittsburgh, Pa.
Filed Dec. 1, 1947, Serial No. 542,851. Published Oct. 4, 1949. Class 33.

520,640. **OIL BURNERS AND OIL-BURNING FURNACES OF ALL KINDS.** SIMPLEX OIL HEATING CORPORATION, New York, N. Y.
Filed Dec. 1, 1947, Serial No. 542,887. Published Nov. 1, 1949. Class 34.

520,641. **LEATHER BELTING.** ARMOUR AND COMPANY, doing business under the trade style Alexander Brothers, Chicago, Ill.
Filed Dec. 5, 1947, Serial No. 543,398. Published Oct. 18, 1949. Class 35.

520,642. **PREPARATION FOR CLEANING AND POLISHING FALSE TEETH, DENTAL PLATES, AND DENTAL BRIDGE WORK.** ABE J. WHITE, Houston, Tex.
Filed Dec. 5, 1947, Serial No. 543,554. Published Oct. 4, 1949. Class 51.

520,643. **OIL BURNERS.** HOLLAND-COLOMBO TRADING SOCIETY, INC., Dover, Del., and New York, N. Y.
Filed Dec. 6, 1947, Serial No. 543,606. Published Oct. 4, 1949. Class 34.

520,644. **CANNED CORN.** MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed Dec. 9, 1947, Serial No. 543,826. Published Oct. 25, 1949. Class 46.

520,645. **VENEERED PLYWOOD.** ELLIOTT BAY MILL COMPANY, Seattle, Wash.
Filed Dec. 16, 1947, Serial No. 544,434. Published Nov. 1, 1949. Class 12.

520,646. **GREEN COFFEE.** STEINWENDER, STOFFREGEN & CO., INC., New York, N. Y.
Filed Dec. 16, 1947, Serial No. 544,473. Published Nov. 1, 1949. Class 46.

520,647. **FANS AND BLOWERS FOR COOLING, AND VENTILATING PURPOSES.** ACORN MACHINERY CORPORATION, New York, N. Y.
Filed Dec. 18, 1947, Serial No. 544,677. Published Apr. 19, 1949. Class 34.

520,648. **WHEAT FLOUR.** THE WILLIAM KELLY MILLING COMPANY, Hutchinson, Kans.
Filed Dec. 22, 1947, Serial No. 545,131. Published Nov. 1, 1949. Class 46.

520,649. **DAIRY FEEDS CONSISTING PRINCIPALLY OF FISH PRODUCTS, FEED GRAINS, AND MEALS.** PURITAN MILLS, Atlanta, Ga.
Filed Dec. 22, 1947, Serial No. 545,164. Published Oct. 25, 1949. Class 46.

520,650. **WIRE STITCHING MACHINES.** ORDNANCE GAUGE COMPANY, Philadelphia, Pa.
Filed Dec. 31, 1947, Serial No. 545,877. Published Oct. 11, 1949. Class 23.

520,651. **SHAVING CREAM.** CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill.
Filed Jan. 2, 1948, Serial No. 545,958. Published Oct. 4, 1949. Class 51.

520,652. **METALLIC CAPS AND CLOSURES FOR BOTTLES AND CANS AND THE LIKE.** CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed Aug. 28, 1947, Serial No. 546,157. Published Oct. 4, 1949. Class 50.

520,653. **FLAME CUTTING AND WELDING APPARATUS, AND COMPONENTS THEREOF—NAMELY, CUTTING AND WELDING TORCHES, ETC.** NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Jan. 7, 1948, Serial No. 546,413. Published Feb. 8, 1949. Class 34.

520,654. **AUTOMATIC INSTANTANEOUS GAS FIRED WATER HEATERS.** LUXRA COMPANY, Atchison, Kans.
Filed Jan. 8, 1948, Serial No. 546,503. Published Oct. 4, 1949. Class 34.

520,655. **CANNED FISH.** E. B. MCGOVERN, doing business as McGovern and McGovern, Seattle, Wash.
Filed Oct. 6, 1948, Serial No. 566,528. Published Nov. 8, 1949. Class 46.

520,656. **STOVES AND RANGES.** CRIBBEN AND SEXTON COMPANY, Chicago, Ill.
Filed Jan. 10, 1948, Serial No. 546,656. Published Sept. 27, 1949. Class 34.

520,657. **STOVES AND RANGES.** CRIBBEN AND SEXTON COMPANY, Chicago, Ill.
Filed Jan. 10, 1948, Serial No. 546,660. Published Sept. 20, 1949. Class 34.

520,658. **STOVES AND RANGES.** CRIBBEN AND SEXTON COMPANY, Chicago, Ill.
Filed Jan. 10, 1948, Serial No. 546,665. Published Sept. 20, 1949. Class 34.

520,659. **SULPHUR.** FOOD MACHINERY CORPORATION, San Jose, Calif.; now by merger Food Machinery and Chemical Corporation, a corporation of Delaware.
Filed Jan. 10, 1948, Serial No. 546,692. Published Oct. 4, 1949. Class 6.

520,660. **WRITING AND PRINTING PAPERS AND MAILING ENVELOPES AND BLANK CARDS FOR WEDDING, GREETING, AND ANNOUNCEMENT PURPOSES.** OLD COLONY ENVELOPE COMPANY, Westfield, Mass.
Filed Sept. 8, 1947, Serial No. 546,922. Published Oct. 11, 1949. Class 37.

520,661. **WRITING AND PRINTING PAPERS AND MAILING ENVELOPES AND BLANK CARDS FOR WEDDING, GREETING, AND ANNOUNCEMENT PURPOSES.** OLD COLONY ENVELOPE COMPANY, Westfield, Mass.
Filed Sept. 8, 1947, Serial No. 546,923. Published Oct. 11, 1949. Class 37.

520,662. **GAS WELDING AND CUTTING APPARATUS AND SUPPLIES—NAMELY, TORCHES, TORCH LIGHTERS, TORCH TIPS, CUTTING ATTACHMENTS FOR TORCHES, ETC.** NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Jan. 14, 1948, Serial No. 547,022. Published Sept. 20, 1949. Class 34.

520,663. **DECALCOMANIA PAPER.** MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Oct. 8, 1947, Serial No. 547,407. Published Oct. 18, 1949. Class 37.

520,664. **CANNED ORANGE JUICE, CANNED GRAPEFRUIT JUICE, AND BLENDED GRAPEFRUIT AND ORANGE JUICE FOR FOOD PURPOSES.** G. O. MCDANIEL, doing business as G. O. McDaniel Company, Edcouch, Tex.
Filed Jan. 22, 1948, Serial No. 547,749. Published Nov. 1, 1949. Class 46.

520,665. **DRY CELL BATTERIES AND HANDLAMPS.** OLIN INDUSTRIES, INC., New Haven, Conn.
Filed Apr. 1, 1948, Serial No. 553,637. Published Oct. 25, 1949. Class 21.

520,666. **COAL STOVES, STOKERS, AND OIL BURNERS.** STRATTON & TERSTEGGE COMPANY, Louisville, Ky.
Filed Apr. 1, 1948, Serial No. 553,648. Published Oct. 18, 1949. Class 34.

520,667. **PAINT ENAMEL.** VALENTINE & COMPANY, INC., New York, N. Y.
Filed Apr. 1, 1948, Serial No. 553,654. Published Oct. 18, 1949. Class 16.

520,668. **ARTISTS' PAINT BRUSHES.** WINSOR & NEWTON LIMITED, Middlesex, England.
Filed Apr. 6, 1948, Serial No. 553,999. Published Nov. 1, 1949. Class 29.

520,669. **WALL BOARDS, CONCRETE CURING COMPOUND, RUBBER ASPHALT JOINT SEALING COMPOUND, ROOF CEMENT, AND SEWER JOINT COMPOUND.** AMERICAN-MARIETTA COMPANY, Chicago, Ill.
Filed Apr. 8, 1948, Serial No. 554,075. Published Oct. 4, 1949. Class 12.

520,670. **SILVER-PLATED HOLLOW-WARE.** REED & BARTON, Taunton, Mass.
Filed Apr. 8, 1948, Serial No. 554,162. Published Nov. 1, 1949. Class 28.

520,671. **HYDRAULIC CEMENT.** NORTH AMERICAN CEMENT CORPORATION, New York, N. Y.
Filed Apr. 9, 1948, Serial No. 554,250. Published Oct. 4, 1949. Class 12.

520,672. **SOLUTION TO BE USED IN THE TREATMENT OF NEURASTHENIA, ASTHMA FOLLOWING GRIPPE, CONVALESCENCE FROM INFECTIOUS DISEASES, DEBILITY, AND NERVOUS DEPRESSION, ANEMIA, AND MALARIA.** ASSOCIATED PHYSICIANS LABORATORIES, San Francisco, Calif.
Filed Apr. 12, 1948, Serial No. 554,356. Published Oct. 4, 1949. Class 18.

520,673. **FARM TRACTORS.** UNITED ASSOCIATES, INC., Jersey Shore, Pa.
Filed Apr. 12, 1948, Serial No. 554,446. Published Oct. 11, 1949. Class 23.

520,674. **SODA FOUNTAIN BACK BARS AND SODA FOUNTAIN COUNTERS, WITHOUT REFRIGERATION.** ROBERT M. GREEN & SONS, INC., Philadelphia, Pa.
Filed Apr. 13, 1948, Serial No. 554,486. Published Oct. 25, 1949. Class 32.

520,675. **PREPARED MATERIALS TO WIT—A MATERIAL COMPRISING SAND, GRAVEL AND CEMENT; A MATERIAL COMPRISING CEMENT, SAND, LIME AND WATERPROOFING; A MATERIAL COMPRISING GRANITE, QUARTZ AND CEMENT.** GIBRALTAR FLOORS, INC., Detroit, Mich.
Filed Apr. 14, 1948, Serial No. 554,560. Published Oct. 4, 1949. Class 12.

520,676. **DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, PAINT THINNERS, AND VARNISHES.** THE MARVELITE PAINT COMPANY, Baltimore, Md.
Filed Apr. 14, 1948, Serial No. 554,581. Published Oct. 18, 1949. Class 16.

520,677. **BROODERS, DRINKING FOUNTAINS, AND FEEDERS FOR POULTRY AND STOCK AND BATTERY BROODERS.** NOBLE MANUFACTURING COMPANY, INC., Haydenville, Mass.
Filed Apr. 14, 1948, Serial No. 554,586. Published Sept. 27, 1949. Class 50.

520,678. **SALES COUNTERS FOR THE DISPLAY, DEMONSTRATION, AND STORAGE OF PHONOGRAPH RECORDS.** MAL-ART INC., New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,680. Published Oct. 25, 1949. Class 32.

520,679. **LEATHER BELTING AND LEATHER PACKING.** PAGE BELTING COMPANY, Concord, N. H.
Filed Apr. 16, 1948, Serial No. 554,810. Published Sept. 20, 1949. Class 35.

520,680. **WALL TILES.** PARICHY ROOFING AND SHINGLE COMPANY, Forest Park, Ill.
Filed Apr. 16, 1948, Serial No. 554,811. Published Sept. 27, 1949. Class 12.

520,681. **LAXATIVE MEDICINE.** CREOMULSION COMPANY, Atlanta, Ga.
Filed Apr. 19, 1948, Serial No. 554,955. Published Oct. 18, 1949. Class 18.

520,682. **WHEAT FLOUR.** CURTIS L. GREEN, doing business as C. L. Green Milling & Grain Co., Winters, Tex.
Filed Apr. 19, 1948, Serial No. 554,973. Published Nov. 1, 1949. Class 46.

520,683. **WATER HEATERS.** HARRY H. MCDANIEL, doing business as McDaniel Mfg. Co., Inc., Dallas, Tex.
Filed Apr. 19, 1948, Serial No. 554,992. Published Oct. 25, 1949. Class 34.

520,684. **LIGHTING DEVICES OF THE TYPE ADAPTED FOR LIGHTING OXY-ACETYLENE TORCHES.** MODERN ENGINEERING COMPANY, INC., St. Louis, Mo.
Filed Apr. 20, 1948, Serial No. 555,066. Published Nov. 1, 1949. Class 34.

520,685. **FINNED TUBING FOR HEAT EXCHANGE PURPOSES.** DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed Apr. 20, 1948, Serial No. 555,108. Published Oct. 4, 1949. Class 34.

520,686. **SALT-FREE BREAD.** DAVIS BAKING COMPANY, doing business as Davis Bakery, Cleveland Heights, Ohio.
Filed Apr. 21, 1948, Serial No. 555,163. Published Nov. 1, 1949. Class 46.

520,687. **FAST KETTLING PURE LINSEED VARNISH OIL.** DORWARD & SONS CO., San Francisco, Calif.
Filed Apr. 21, 1948, Serial No. 555,164. Published Oct. 18, 1949. Class 16.

520,688. **ROUGE, LIPSTICK, POWDER SACHET, TOILET CREAMS, ETC.** LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed Apr. 22, 1948, Serial No. 555,278. Published Oct. 4, 1949. Class 51.

520,689. **VARNISH, VARNISH STAIN, PIGMENTED MATERIAL IN THE NATURE OF PAINT FOR FILLING PORES IN WOOD SURFACES, VARNISH UNDERCOATER.** THE MARTIN-SENOUR COMPANY, Chicago, Ill.
Filed Apr. 22, 1948, Serial No. 555,284. Published Oct. 18, 1949. Class 16.

520,690. **SYNTHETIC DETERGENTS FOR LAUNDRY AND INDUSTRIAL USES.** ATLAS POWDER COMPANY, Wilmington, Del.
Filed Apr. 24, 1948, Serial No. 555,480. Published Oct. 4, 1949. Class 52.

520,691. LENSED LIGHT TRANSMISSIVE PANELING, LENSED GLASSWARE, AND LENSED PLASTIC WARE FOR COVERING THE LIGHTS OF LIGHTING EQUIPMENT. LUMINATOR, INC., Chicago, Ill.
Filed Apr. 24, 1948, Serial No. 555,547. Published Oct. 4, 1949. Class 34.

520,692. WINDOW AND ATTIC FANS. BAR-BROOK MANUFACTURING COMPANY, INC., Wilmington, Del., and Shreveport, La.
Filed Apr. 26, 1948, Serial No. 555,587. Published Oct. 4, 1949. Class 34.

520,693. VINYL PLASTIC MATERIAL SOLD IN THE FORM OF SHEETS OR ROLLS, FOR INCORPORATION INTO A VARIETY OF FINISHED ARTICLES. RUBBER CORPORATION OF AMERICA, New York and Brooklyn, N. Y.
Filed Apr. 27, 1948, Serial No. 555,700. Published Nov. 1, 1949. Class 1.

520,694. OFFICE EQUIPMENT AND SUPPLIES—NAMELY, DESK TRAYS, FILING CABINETS, FILING RACKS, CARD FILE BOXES, AND SORTING TRAYS. CRONSTROMS HEATING AND SHEET METAL WORKS, INC., Minneapolis, Minn.
Filed Apr. 21, 1948, Serial No. 555,830. Published Oct. 18, 1949. Class 32.

520,695. FRESH CITRUS FRUITS. SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif.
Filed Apr. 29, 1948, Serial No. 555,841. Published Nov. 1, 1949. Class 46.

520,696. ROLLER BEARINGS AND THEIR PARTS. NORMA-HOFFMANN BEARINGS CORPORATION, Stamford, Conn.
Filed Nov. 24, 1947, Serial No. 555,889. Published Oct. 25, 1949. Class 23.

520,697. FIRE-BRICK. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed Apr. 30, 1948, Serial No. 555,931. Published Oct. 4, 1949. Class 12.

520,698. FIRE-BRICK. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed Apr. 30, 1948, Serial No. 555,943. Published Oct. 4, 1949. Class 12.

520,699. PLASTIC DENTURES. AUSTENAL LABORATORIES, INCORPORATED, New York, N. Y.
Filed May 1, 1948, Serial No. 555,982. Published Nov. 1, 1949. Class 44.

520,700. RADIO AND TELEPHONIC EQUIPMENT—NAMELY, INTERIOR COMMUNICATING TELEPHONE SYSTEMS FOR OFFICES, BANKS AND FACTORIES, ETC. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y.
Filed May 1, 1948, Serial No. 555,996. Published Nov. 1, 1949. Class 21.

520,701. IMITATION CHRISTMAS TREES MADE OF TRANSPARENT PARCHMENT. THE COMO-TEX COMPANY, Chicago, Ill.
Filed May 4, 1948, Serial No. 556,176. Published Sept. 20, 1949. Class 50.

520,702. PASSION FRUIT JUICES PACKED IN BOTTLES AND JARS. M. L. REID, doing business as Reid's Rancho Palos Verdes, Tucson, Ariz.
Filed May 4, 1948, Serial No. 556,219. Published Oct. 25, 1949. Class 46.

520,703. SMOKING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed May 6, 1948, Serial No. 556,306. Published Nov. 1, 1949. Class 17.

520,704. BITUMINOUS CONCRETE MATERIAL FOR PATCHING ASPHALTIC AND CONCRETE ROADS. THE GENERAL CRUSHED STONE CO., Easton, Pa.
Filed May 7, 1948, Serial No. 556,433. Published Oct. 4, 1949. Class 12.

520,705. BABY BEDS, HIGH CHAIRS, AND NURSERY TRAINING CHAIRS. ROCHELLE FURNITURE MFG. CO., Rochelle, Ill.
Filed May 7, 1948, Serial No. 556,486. Published Oct. 4, 1949. Class 32.

520,706. OIL BURNERS AND BOILERS. GREENE & HODGSON, INC., Providence, R. I.
Filed May 8, 1948, Serial No. 556,575. Published Oct. 25, 1949. Class 34.

520,707. CHEESE, CHEESE SPREADS, AND PROCESS CHEESE FOOD. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed May 8, 1948, Serial No. 556,605. Published Oct. 18, 1949. Class 46.

520,708. LEATHER. SAWYER TANNING COMPANY, Napa, Calif.
Filed May 11, 1948, Serial No. 556,820. Published Oct. 25, 1949. Class 1.

520,709. LEATHER. SAWYER TANNING COMPANY, Napa, Calif.
Filed May 11, 1948, Serial No. 556,823. Published Sept. 27, 1949. Class 1.

520,710. BELTING APPLYING TO MACHINERY, HOSE MADE OF CANVAS OR RUBBER, MACHINERY PACKING MADE OF FLAX, JUTE, ASBESTOS, OR SHEET PACKING. TRIANGLE RUBBER CO., INC., New York, N. Y.
Filed May 11, 1948, Serial No. 556,852. Published Oct. 4, 1949. Class 35.

520,711. APPARATUS FOR ELECTRICALLY RECORDING SOUND UPON WIRE AND/OR ELECTRICALLY REPRODUCING SOUND FROM WIRE. WEBSTER-CHICAGO CORPORATION, Chicago, Ill.
Filed May 12, 1948, Serial No. 556,935. Published Oct. 25, 1949. Class 21.

520,712. PAINTS (READY-MIXED, PASTE AND DRY); PAINT ENAMELS; LACQUERS; VARNISHES; THINNERS AND REDUCERS FOR PAINTS, ETC. JOHN LUCAS & COMPANY, INCORPORATED, Philadelphia, Pa.
Filed May 18, 1948, Serial No. 557,290. Published Sept. 20, 1949. Class 16.

520,713. FURNACE PIPE AND FITTINGS FOR WARM AIR FURNACES, ETC. THE SIOUX STEEL CO., Sioux Falls, S. Dak.
Filed May 18, 1948, Serial No. 557,314. Published Oct. 18, 1949. Class 34.

520,714. ELECTRICALLY OPERATED SWITCHING APPARATUS OF THE TYPE USED IN TELEPHONE, CALCULATOR, SIGNALLING, AUTOMATIC BOOKING, ETC. FEDERAL TELEPHONE & RADIO CORPORATION, Clifton, N. J.
Filed May 19, 1948, Serial No. 557,350. Published Nov. 1, 1949. Class 21.

520,715. HORIZONTAL BORING, DRILLING, AND MILLING MACHINES AND PARTS THEREOF. LUCAS MACHINE TOOL COMPANY, Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut.
Filed May 21, 1948, Serial No. 557,540. Published Oct. 25, 1949. Class 23.

520,716. BAR SOAP IN PACKAGED FORM. LEE ROTHSCHILD, doing business as Corona Soapcrafters, Redlands, Calif.
Filed Jan. 22, 1948, Serial No. 547,773. Published Oct. 4, 1949. Class 52.

520,717. PORTABLE HAND FIRE EXTINGUISHERS. BUFFALO FIRE APPLIANCE CORPORATION, Dayton, Ohio.
Filed Jan. 26, 1948, Serial No. 547,969. Published Nov. 1, 1949. Class 23.

520,718. SALTED POP CORN. DENNIS, INC., Winston-Salem, N. C.
Filed Jan. 26, 1948, Serial No. 547,979. Published Nov. 1, 1949. Class 46.

520,719. INSULATING WINDOW ASSEMBLIES. INSULATED WINDOW COMPANY OF AMERICA, Minneapolis, Minn.
Filed Jan. 26, 1948, Serial No. 547,993. Published Oct. 4, 1949. Class 12.

520,720. PLASTIC WALL TILE. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed Jan. 29, 1948, Serial No. 548,229. Published Oct. 4, 1949. Class 12.

520,721. NONMETALLIC WASHERS FOR NAILS, TACKS, AND SCREWS. THE GORA-LEE CORPORATION, Stratford, Conn.
Filed Jan. 29, 1948, Ser. No. 548,252. Published Oct. 4, 1949. Class 35.

520,722. FANS AND BLOWERS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed Jan. 29, 1948, Serial No. 548,305. Published Sept. 20, 1949. Class 34.

520,723. ALKALINE, ACIDIC, NEUTRAL, AND SOLVENT CLEANING PREPARATIONS, ETC. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J.
Filed Jan. 30, 1948, Serial No. 548,362. Published Sept. 20, 1949. Class 52.

520,724. FILE AND CLASSIFICATION CARDS WITH APERTURES IN WHICH FILMS OR OTHER MATTER ARE TO BE PLACED. FILM 'N FILE, INC., New York, N. Y.
Filed Feb. 3, 1948, Serial No. 548,647. Published Sept. 20, 1949. Class 37.

520,725. ASPHALT ROOFING MATERIAL COMPRISING ASPHALT SATURATED FELT WITH A MINERAL SURFACE. BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky.
Filed Feb. 6, 1948, Serial No. 548,914. Published Sept. 27, 1949. Class 12.

520,726. HAIR BRUSHES. THE FULLER BRUSH COMPANY, Hartford, Conn.
Filed Feb. 6, 1948, Serial No. 548,949. Published Oct. 18, 1949. Class 29.

520,727. CLEANING COMPOUND FOR GENERAL HOUSEHOLD USE AND CAR WASH. MOTO-SWAY CORPORATION OF AMERICA, South Pasadena, Calif.
Filed Feb. 6, 1948, Serial No. 548,987. Published Oct. 4, 1949. Class 52.

520,728. GASKETS, WASHERS, RINGS, PACKINGS, ETC. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed Feb. 10, 1948, Serial No. 549,209. Published Sept. 20, 1949. Class 35.

520,729. ELECTRIC APPLIANCES AS FOLLOWS: TOASTERS, BROILERS, WIENER ROASTERS, ROTISSERIES, GRILLS, HOT PLATES, WARMING OVENS, STEAMERS, DEEP FAT FRYERS, AND WAFFLE BAKERS. SAVORY EQUIPMENT, INC., Newark, N. J.
Filed Feb. 10, 1948, Serial No. 549,280. Published Nov. 1, 1949. Class 21.

520,730. INDUSTRIAL OVENS AND PARTS THEREOF. THE FOUNDRY EQUIPMENT COMPANY, Cleveland, Ohio.
Filed Nov. 20, 1947, Serial No. 549,381. Published May 31, 1949. Class 34.

520,731. GAS BURNERS FOR DOMESTIC COOKING AND HEATING APPARATUS. HEATBATH APPLIANCES, INC., Indian Orchard, Mass.
Filed Feb. 11, 1948, Serial No. 549,438. Published Oct. 25, 1949. Class 34.

520,732. INDICATING AND RECORDING PRESSURE AND TEMPERATURE METERS AND GAUGES, BAROMETERS, VACUUM PRESSURE TEMPERATURE INDICATORS AND RECORDING APPARATUS. SYDNEY SMITH & SONS (NOTTINGHAM) LIMITED, Nottingham, England.
Filed Feb. 28, 1948, Serial No. 549,589. Published Sept. 20, 1949. Class 26.

520,733. ADDITION AGENT FOR AQUEOUS ACID PICKLING BATHS TO PRODUCE A GAS PERMEABLE COVER ON SUCH BATHS. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Feb. 13, 1948, Serial No. 549,661. Published Mar. 1, 1949. Class 6.

520,734. CONSTRUCTION MATERIALS, TO WIT: PREFABRICATED METAL BUILDINGS—NAMELY, DWELLING HOUSES, AIRCRAFT HANGARS, ETC. UNITED STEEL FABRICATORS, INC., Wooster, Ohio.
Filed Feb. 17, 1948, Serial No. 549,992. Published Oct. 18, 1949. Class 12.

520,735. AIRTITE HEATERS, STOVE PIPE DRUM OVENS, PORTABLE BAKE OVENS, FURNACE WALL STACK PIPE, ETC. INLAND STEEL PRODUCTS COMPANY, Milwaukee, Wis.
Filed Feb. 25, 1948, Serial No. 550,508. Published Oct. 25, 1949. Class 34.

520,736. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. NEENAH PAPER COMPANY, Neenah, Wis.
Filed Feb. 25, 1948, Serial No. 550,542. Published Oct. 25, 1949. Class 37.

520,737. UPHOLSTERED CHAIRS OF THE ELONGATED TYPE, WHICH ARE LONGITUDINALLY ADJUSTABLE FOR VARIATION OR INCLINATION. CONTOUR CHAIR-LOUNGE CO. INC., St. Louis, Mo.
Filed Feb. 27, 1948, Serial No. 550,673. Published Nov. 1, 1949. Class 32.

520,738. TOOTHBRUSHES. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,691. Published Oct. 18, 1949. Class 29.

520,739. CANNED TOMATOES. UDDO & TAORMINA COMPANY, Brooklyn, N. Y.
Filed Feb. 27, 1948, Serial No. 550,757. Published Nov. 1, 1949. Class 46.

520,740. PARIS WHITE. HAMMILL & GILLESPIE, INC., New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,806. Published Oct. 18, 1949. Class 16.

520,741. SNUFF. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,869. Published Nov. 1, 1949. Class 17.

520,742. THERMAL TYPE GRAIN DRYERS, COMPRISED OF A MEANS FOR HEATING A GAS AND A MOTOR-DRIVEN BLOWER TO PASS THE HEATED GAS THROUGH A BED OF GRAIN TO BE PROCESSED, AND ACCESSORIES THEREFOR. THE WRIGHT AND SHIPLEY CORPORATION, Houston, Tex.
Filed Mar. 3, 1948, Serial No. 551,151. Published Nov. 1, 1949. Class 34.

520,743. ROLLING PINS. HARRY F. THORPE, Cheshire, Conn.
Filed Mar. 4, 1948, Serial No. 551,208. Published Oct. 11, 1949. Class 23.

520,744. POWER-DRIVEN AND MANUALLY OPERATED LAWNMOWERS. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 6, 1948, Serial No. 551,367. Published Oct. 11, 1949. Class 23.

520,745. ALBUM PHOTOGRAPH HOLDERS AND PHOTOGRAPHIC MOUNTINGS. ROBERT E. HERRICK, Brooklyn, N. Y.
Filed Mar. 8, 1948, Serial No. 551,451. Published Oct. 25, 1949. Class 37.

520,746. MACHINES FOR TESTING THE TENSILE STRENGTH OF THE ADHESIVE UNION OF FABRICS ADHESIVELY BONDED TOGETHER. THE KENDALL COMPANY, Walpole, Mass.
Filed Mar. 10, 1948, Serial No. 551,638. Published Sept. 20, 1949. Class 26.

520,747. COAL-FIRED SPACE HEATERS AND COOKING RANGES, AUTOMATIC STOKERS FOR COAL BURNING FURNACES, AND ELECTRIC MOTOR-ACTUATED FURNACE DRAFT AND DAMPER CONTROLS. RED JACKET COAL SALES COMPANY, Columbus, Ohio.
Filed Mar. 10, 1948, Serial No. 551,657. Published Oct. 4, 1949. Class 34.

520,748. LADDERS, RUBBER LINK DOOR MATS, RUBBER STAIR TREADS. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 13, 1948, Serial No. 551,868. Published Oct. 4, 1949. Class 50.

520,749. MAGNETS AND MAGNET ASSEMBLAGES FOR USE IN MAGNETIC SEPARATORS FOR SEPARATING AND REMOVING TRAMP METAL FROM MATERIAL. DINGS MAGNETIC SEPARATOR CO., Milwaukee, Wis.
Filed Mar. 13, 1948, Serial No. 551,870. Published Nov. 1, 1949. Class 21.

520,750. PORTABLE HAIR DRIERS FOR DOMESTIC USE, DRINK MIXERS, PHONOGRAPH MOTORS, ELECTRIC MOTORS, AND FRUIT JUICE EXTRACTORS, ALL ELECTRICALLY OPERATED. SCOVILL MANUFACTURING COMPANY, Racine, Wis., and Waterbury, Conn., and elsewhere.
Filed Dec. 2, 1947, Serial No. 552,316. Published Nov. 1, 1949. Class 21.

520,751. CONTACT AND MAGNETIC MICROPHONES; PICK UPS; VOLUME CONTROLS; AND PARTS THEREOF; FOR USE WITH STRINGED MUSICAL INSTRUMENTS. HARRY DE ARMOND, Toledo, Ohio.
Filed Dec. 16, 1947, Serial No. 552,346. Published Nov. 1, 1949. Class 21.

520,752. CLEANER FOR TYPEWRITER TYPE CONSISTING OF ADHESIVE STRIPS MOUNTED ON ONE SIDE OF THIN FLEXIBLE PAPER WITH A BLOCKED OUT OPENING, THE ADHESIVE PORTION OF SAID STRIP BEING EXPOSED THROUGH THE OPENING AND PROTECTED BY A STRIP OF CRINOLINE. WILLIAM L. GOULD, Albany, N. Y.
Filed Mar. 19, 1948, Serial No. 552,452. Published Oct. 4, 1949. Class 52.

520,753. LAWNMOWERS, AND ENAMELED AND ALUMINUM LADLES FOR GENERAL KITCHEN USE. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 20, 1948, Serial No. 552,578. Published Oct. 11, 1949. Class 23.

520,754. MALLETS AND SPRING WINDERS. GREENE, TWEED & Co., North Wales, Pa.
Filed Mar. 23, 1948, Serial No. 552,768. Published Oct. 11, 1949. Class 23.

520,755. EGG MIXTURES OF FRESH WHOLE EGGS, YOLKS, SUGAR, AND SALT USED IN BAKING. L. RUDOLF CO., INC., New York, N. Y.
Filed Mar. 24, 1948, Serial No. 552,880. Published Nov. 1, 1949. Class 46.

520,756. ATMOSPHERIC DEODORANTS. SYNCO PRODUCTS COMPANY, INC., doing business as Synco Products, Chattanooga, Tenn.
Filed Mar. 24, 1948, Serial No. 552,897. Published Dec. 7, 1948. Class 6.

520,757. BELTS AND BELTING OF RUBBER, FABRIC, OR A COMBINATION THEREOF. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass.
Filed Mar. 25, 1948, Serial No. 552,937. Published Sept. 20, 1949. Class 35.

520,758. HEADLIGHT TESTERS; WHEEL ALIGNERS; MACHINE TYPE AND INSTRUMENT TYPE; AND GAUGES INCLUDING PISTON FITTING FEELER AND SCALE, ETC. KENT-MOORE ORGANIZATION INC., Detroit, Mich.
Filed Mar. 25, 1948, Serial No. 552,986. Published Sept. 20, 1949. Class 26.

520,759. SPARKING METAL FLINTS. NEW PROCESS METALS CORPORATION, Newark, N. J.
Filed Mar. 25, 1948, Serial No. 553,005. Published Oct. 25, 1949. Class 34.

520,760. LADDERS, RUBBER LINK DOOR MATS, RUBBER STAIR TREADS. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 27, 1948, Serial No. 553,175. Published Oct. 4, 1949. Class 50.

520,761. GAS, COAL AND KEROSENE-FIRED COOKING RANGES, GAS-HEATED HOT PLATES, ETC. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 27, 1948, Serial No. 553,178. Published Oct. 4, 1949. Class 34.

520,762. GARDEN HOSE. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio.
Filed Mar. 27, 1948, Serial No. 553,181. Published Sept. 20, 1949. Class 35.

520,763. POTATOES IN THEIR NATURAL STATE. CARL N. EMERLING & SONS, Boston, N. Y.
Filed Mar. 27, 1948, Serial No. 553,188. Published Nov. 1, 1949. Class 46.

520,764. APPLICATORS IN SHEET FORM FOR USE ON THE SKIN TO IMPROVE THE APPEARANCE OF THE SKIN. RETA TERRELL PERFUMES, Chicago, Ill.
Filed Mar. 30, 1948, Serial No. 553,428. Published Nov. 1, 1949. Class 44.

520,765. CREPE PAPER, GUMMED REINFORCEMENTS, AND PARTIALLY PRINTED LABELS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed Mar. 31, 1948, Serial No. 553,473. Published Oct. 11, 1949. Class 37.

520,766. PREPARATION TO BE USED FOR IMPROVING THE PROPERTIES OR CONTROLLING THE SETTING OF CEMENT, MORTAR, CONCRETE, PLASTER HYDRAULIC CEMENT, OR MIXTURES THEREOF. KASPAR WINKLER & Co., Zurich, Switzerland.
Filed Mar. 31, 1948, Serial No. 553,558. Published Sept. 27, 1949. Class 12.

520,767. ELECTRICAL EQUIPMENT—NAMELY, MAGNETIC SWITCHES, DRUM CONTROLLERS, THERMAL OVERLOADS, LIMIT SWITCHES, PRESSURE SWITCHES, FOOT SWITCHES, TRANSFER AND CHANGE-OVER SWITCHES, MASTER SWITCHES, CAM SWITCHES, REVERSING SWITCHES, PUSH BUTTON SWITCHES, MANUAL AND MAGNETIC STARTER SWITCHES, AND MAGNETIC UNLOADER SWITCHES. FURNAS ELECTRIC COMPANY, Batavia, Ill.
Filed May 24, 1948, Serial No. 557,664. Published Nov. 1, 1949. Class 21.

520,768. AIR COMPRESSORS, MOTOR DRIVEN AIR COMPRESSOR UNITS, ENGINE DRIVEN AIR COMPRESSOR UNITS, AND TANK MOUNTED AIR COMPRESSOR UNITS. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed May 25, 1948, Serial No. 557,717. Published Oct. 11, 1949. Class 23.

520,769. SEDATIVE. BRISTOL LABORATORIES INC., Syracuse, N. Y.
Filed May 25, 1948, Serial No. 557,728. Published Oct. 4, 1949. Class 18.

520,770. ELECTRONIC DICTATING AND SOUND RECORDING AND REPRODUCING APPARATUS. JONATHAN CONROW, INC., New York, N. Y.
Filed May 27, 1948, Serial No. 557,905. Published Nov. 1, 1949. Class 21.

520,771. ELECTRONIC DICTATING AND SOUND RECORDING AND REPRODUCING APPARATUS. JONATHAN CONROW, INC., New York, N. Y.
Filed May 27, 1948, Serial No. 557,906. Published Nov. 1, 1949. Class 21.

520,772. ELECTRONIC DICTATING AND SOUND RECORDING AND REPRODUCING APPARATUS. JONATHAN CONROW, INC., New York, N. Y.
Filed May 27, 1948, Serial No. 557,907. Published Nov. 1, 1949. Class 21.

520,773. CHOCOLATE USED FOR BAKING AND FOR MAKING OTHER FOOD PRODUCTS. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa.
Filed May 27, 1948, Serial No. 557,924. Published Oct. 25, 1949. Class 46.

520,774. LEATHER. SAWYER TANNING COMPANY, Napa, Calif.
Filed May 28, 1948, Serial No. 558,071. Published Nov. 1, 1949. Class 1.

520,775. CANDY. BEACH CANDY CORPORATION, Brooklyn, N. Y., assignor to Robert E. Smith, New Rochelle, N. Y.
Filed May 29, 1948, Serial No. 558,097. Published Nov. 1, 1949. Class 46.

520,776. PIPE TOBACCO. R. R. TOBIN TOBACCO CO., Detroit, Mich.
Filed June 4, 1948, Serial No. 558,532. Published Nov. 1, 1949. Class 17.

520,777. PIPE TOBACCO. R. R. TOBIN TOBACCO CO., Detroit, Mich.
Filed June 4, 1948, Serial No. 558,534. Published Nov. 1, 1949. Class 17.

520,778. SHOE LASTS. VULCAN CORPORATION, Portsmouth, Ohio.
Filed June 4, 1948, Serial No. 558,539. Published Sept. 20, 1949. Class 50.

520,779. BANANAS SOLD IN FRESH STATE. BUSALACCHI BANANA CO., Milwaukee, Wis.
Filed June 5, 1948, Serial No. 558,546. Published Oct. 25, 1949. Class 46.

520,780. STORAGE BATTERY TERMINAL CONNECTORS. CENTRAL MANUFACTURING CO., Ford City, Pa.
Filed June 7, 1948, Serial No. 558,632. Published Nov. 1, 1949. Class 21.

520,781. LIVE AND DRESSED POULTRY, PARTICULARLY TURKEYS. ENOCH S. CHRISTOFFERSEN, doing business as Christoffersen Poultry, Egg & Feed Market, Turlock, Calif.
Filed June 7, 1948, Serial No. 558,633. Published Nov. 1, 1948. Class 46.

520,782. CHEMICAL DEHYDRATING AGENT. A. T. RACE JR. COMPANY, Winter Haven, Fla., assignor to Aracet, Inc., Winter Haven, Fla., a corporation of Florida.
Filed June 9, 1948, Serial No. 558,810. Published Oct. 18, 1949. Class 6.

520,783. PHOTOGRAPHIC DRY MOUNTING MACHINES, PHOTOGRAPHIC CAMERAS, PHOTOGRAPHIC ENLARGERS, PHOTOGRAPHIC PRINTERS, PHOTOGRAPHIC PROJECTORS, AND PARTS THEREOF. THE ADHESIVE DRY MOUNTING COMPANY, LIMITED, London, England.
Filed June 10, 1948, Serial No. 558,839. Published Sept. 20, 1949. Class 26.

520,784. TABLE SYRUP. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed June 10, 1948, Serial No. 558,865. Published Nov. 1, 1949. Class 46.

520,785. FOUNTAIN PENS AND MECHANICAL PENCILS. OAK RIDGE MANUFACTURING COMPANY, Charleston, S. C.
Filed June 10, 1948, Serial No. 558,914. Published Sept. 20, 1949. Class 37.

520,786. FURNITURE—NAMELY, CHAIRS, TABLES, CHESTS, LINEN CHESTS, CABINETS, COMMODES, AND DESKS. KENSINGTON, INCORPORATED, New Kensington, Pa.
Filed June 12, 1948, Serial No. 559,101. Published Oct. 18, 1949. Class 32.

520,787. FURNITURE—NAMELY, CHAIRS, TABLES, CHESTS, LINEN CHESTS, CABINETS, COMMODES, AND DESKS. KENSINGTON, INCORPORATED, New Kensington, Pa.
Filed June 12, 1948, Serial No. 559,103. Published Oct. 18, 1949. Class 32.

520,788. WEEDER-MULCHER-CULTIVATORS. THE BARKER MANUFACTURING COMPANY, David City, Nebr.
Filed June 14, 1948, Serial No. 559,131. Published Nov. 1, 1949. Class 23.

520,789. VENTILATORS FOR DEAD AIR SPACES IN WALLS AND BUILDINGS. EDWARD A. MALM, doing business as E. A. Malm Co., St. Paul, Minn.
Filed June 14, 1948, Serial No. 559,164. Published Oct. 25, 1949. Class 34.

520,790. CHEMICAL LIQUID PREPARATION FOR INCREASING THE EFFICIENCY OF OPERATION OF INTERNAL COMBUSTION ENGINES. ROBERT H. PENNEBAKER, doing business as Juvitone Motors Hormone, Little Rock, Ark.
Filed June 14, 1948, Serial No. 559,176. Published Oct. 18, 1949. Class 6.

520,791. ELECTRICALLY OPERATED CLOTHES PRESSING IRONS. LAWRENCE M. STEIN COMPANY, Chicago, Ill.
Filed June 15, 1948, Serial No. 559,257. Published Oct. 4, 1949. Class 21.

520,792. STOCKMEN'S TEXTILE BED SHEETS. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex.
Filed June 16, 1948, Serial No. 559,286. Published Oct. 11, 1949. Class 42.

520,793. ELECTRIC WATER HEATERS AND ELECTRIC SPACE HEATERS. PHILLIPS & BUTTORFF MANUFACTURING COMPANY, Nashville, Tenn.
Filed June 16, 1948, Serial No. 559,322. Published Nov. 1, 1949. Class 21.

520,794. ELECTRIC DOMESTIC REFRIGERATORS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 16, 1948, Serial No. 559,350. Published Oct. 4, 1949. Class 31.

520,795. SHOE LASTS. VULCAN CORPORATION, Portsmouth, Ohio.
Filed June 16, 1948, Serial No. 559,362. Published Sept. 27, 1949. Class 50.

520,796. CIGARETTES, SMOKING TOBACCO, AND CIGARS. H. E. SHAW COMPANY, Worcester, Mass.
Filed May 12, 1948, Serial No. 559,457. Published Nov. 1, 1949. Class 17.

520,797. ASH TRAYS AND CIGARETTE BOXES. W. & J. SLOANE, New York, N. Y.
Filed June 17, 1948, Serial No. 559,552. Published Oct. 25, 1949. Class 8.

520,798. DIETARY COMPOSITIONS—NAMELY, A CARBOHYDRATE PREPARATION USED FOR MODIFYING MILK IN INFANT FEEDING AND GENERAL DIETARY USE AND NUTRIENT COMPOSITIONS CONTAINING AMINO ACIDS AND VITAMINS. BURROUGHS WELLCOME & Co. (U. S. A.) INC., Tuckahoe, N. Y.
Filed June 18, 1948, Serial No. 559,575. Published Nov. 1, 1949. Class 46.

520,799. FUMIGATED AND MINERALIZED POTTING SOIL. THE GOOD EARTH SOIL CO., INC., Fort Worth, Tex.
Filed June 18, 1948, Serial No. 559,603. Published Sept. 27, 1949. Class 1.

520,800. STAPLING MACHINES OF THE HAND-OPERATED TYPE USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND LIGHT GAGE METAL TOGETHER. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed June 19, 1948, Serial No. 559,720. Published Nov. 1, 1949. Class 23.

520,801. SMOKING AND CHEWING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed June 22, 1948, Serial No. 559,880. Published Nov. 1, 1949. Class 17.

520,802. GROOVED PHONOGRAPH RECORDS. PAUL BARRETT, doing business as Skystreak Records, San Francisco, Calif.
Filed June 22, 1948, Serial No. 559,899. Published Oct. 11, 1949. Class 36.

520,803. MECHANICS' SQUARES. GERTRUDE L. BREUL, doing business as Fred G. Breul Tool Works, Bridgeport, Conn.
Filed June 22, 1948, Serial No. 559,900. Published Sept. 20, 1949. Class 26.

520,804. FILTER UNDERDRAIN SYSTEMS, OR PARTS THEREOF, AND IN PARTICULAR FOR TRICKLING FILTER UNDERDRAIN TILES FROM WHICH SUCH UNDERDRAIN SYSTEMS ARE MADE. INFILCO INCORPORATED, Chicago, Ill.
Filed Apr. 29, 1948, Serial No. 559,980. Published Sept. 20, 1949. Class 31.

520,805. SEEDS, PLANTS, AND HERBS NOT FOR FOOD. J. E. OHLSENS ENKE, Copenhagen, Denmark.
Filed June 26, 1948, Serial No. 560,282. Published Oct. 25, 1949. Class 1.

520,806. BACON. CUDAHY BROTHERS CO., Cudahy, Wis.
Filed June 28, 1948, Serial No. 560,323. Published Nov. 1, 1949. Class 46.

520,807. DETERGENTS AND SCOURING AGENTS FOR INDUSTRIAL CLEANING PURPOSES SUCH AS THE CLEANING OF COTTON AND WOOL, AND THE DEGREASING OF METALS. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y.
Filed June 30, 1948, Serial No. 560,433. Published Sept. 27, 1949. Class 52.

520,808. DIFFERENTIAL MECHANISMS AND PARTS THEREOF, GEARS AND PINIONS, TRANSMISSION GEARS AND SHAFTS, FLYWHEEL STARTER GEARS, CYLINDER HEADS AND HOUSINGS, AXLE SHAFTS AND DRIVE SHAFTS, AND TIMING GEARS. REPUBLIC GEAR COMPANY, Detroit, Mich.
Filed July 2, 1948, Serial No. 560,659. Published Oct. 4, 1949. Class 23.

520,809. ENDOSCOPIC EXAMINING AND OPERATING SURGICAL INSTRUMENTS AND COMPONENTS THEREOF; SURGICAL FORCEPS FOR USE WITH SUCH INSTRUMENTS; AND CATHETERS. AMERICAN CYSTOSCOPE MAKERS, INC., New York, N. Y.
Filed July 3, 1948, Serial No. 560,677. Published Oct. 4, 1949. Class 44.

520,810. SMOKERS' PIPES. THE REISS-PREMIER CORPORATION, West New York, N. J.
Filed July 8, 1948, Serial No. 560,921. Published Nov. 1, 1949. Class 8.

520,811. DESKS, TABLES OF THE FURNITURE TYPE, TELEPHONE STANDS, BOOKCASES, BOOKCASE SECTIONS, FILING CABINETS AND COUNTER-HEIGHTS. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio.
Filed July 9, 1948, Serial No. 560,998. Published Oct. 25, 1949. Class 32.

520,812. DAIRY AND LIVESTOCK FEEDS CONSISTING OF DRIED CITRUS PULP AND CITRUS MOLASSES. CITRUS BY-PRODUCTS CORPORATION, McAllen, Tex.
Filed July 12, 1948, Serial No. 561,184. Published Oct. 18, 1949. Class 46.

520,813. LIGNITE COAL. TRUAX-TRAER COAL COMPANY, Chicago, Ill.
Filed July 14, 1948, Serial No. 561,354. Published Oct. 18, 1949. Class 1.

520,814. LIGNITE COAL. TRUAX-TRAER COAL COMPANY, Chicago, Ill.
Filed July 14, 1948, Serial No. 561,356. Published Oct. 18, 1949. Class 1.

520,815. LABORATORY APPARATUS—NAMELY, MIXING SLABS, MIXING FLASKS PROVIDED WITH THERMOMETERS AND FOR USE IN MIXING CEMENTS AND THE LIKE, MORTARS AND PESTLES, MERCURY GAGES, AND SHADE GUIDES FOR MATCHING DENTAL PORCELAIN WITH TEETH. THE L. D. CAULK COMPANY, Milford, Del.
Filed Nov. 28, 1947, Serial No. 561,368. Published Sept. 20, 1949. Class 26.

520,816. REFRIGERATOR EQUIPMENT, REFRIGERATOR PARTS, AND ACCESSORIES THEREFOR FOR DOMESTIC AND INDUSTRIAL USES—NAMELY, CONDENSERS AND EVAPORATORS FOR REFRIGERATING, ICE-MAKING, FREEZING, AND AIR AND LIQUID COOLING. BORG-WARNER CORPORATION, Chicago, Ill.
Filed July 15, 1948, Serial No. 561,442. Published Oct. 25, 1949. Class 31.

520,817. TRANSPARENT MATERIAL ENMESHED IN CLOTH, WIRE MESH AND WIRE SCREENING IN SHEET FORM SERVING AS A SUBSTITUTE FOR GLASS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 15, 1948, Serial No. 561,497. Published Sept. 20, 1949. Class 50.

520,818. SPRINGS FOR BEDSTEADS. SIMMONS COMPANY, New York, N. Y.
Filed July 15, 1948, Serial No. 561,525. Published Oct. 25, 1949. Class 32.

520,819. OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, SUN GLASSES, FRAMES, EYE SHADES, LENSES, MOUNTINGS, AND PARTS THEREOF. NORMAN G. GERRY, New York, N. Y.
Filed July 17, 1948, Serial No. 561,621. Published Sept. 20, 1949. Class 26.

520,820. DRINKING WATER COOLERS INCORPORATING REFRIGERATED STORAGE SPACE THEREIN. MURRAY M. FIBUS, doing business as The Steel City Manufacturing Company, Youngstown, Ohio.
Filed July 20, 1948, Serial No. 561,739. Published Sept. 20, 1949. Class 31.

520,821. WRITING PAPER AND WRAPPING PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 21, 1948, Serial No. 561,829. Published Oct. 11, 1949. Class 37.

520,822. WRAPPING PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 21, 1948, Serial No. 561,833. Published Oct. 11, 1949. Class 37.

520,823. PARQUET FLOORING. NEWCASTLE INDUSTRIES, INC., New York, N. Y.
Filed July 21, 1948, Serial No. 561,853. Published Nov. 1, 1949. Class 12.

520,824. PHOTOGRAPHIC MATERIALS AND EQUIPMENT—NAMELY, SENSITIZED PAPERS AND CLOTHS, PHOTOSENSITIZED FILM AND PRINTING AND DEVELOPING MACHINES. CHARLES BRUNING COMPANY, INC., New York, N. Y.
Filed July 22, 1948, Serial No. 561,881. Published Sept. 20, 1949. Class 26.

520,825. PRECIPITATED CALCIUM CARBONATE. DIAMOND ALKALI COMPANY, Cleveland, Ohio.
Filed July 22, 1948, Serial No. 561,898. Published Oct. 18, 1949. Class 6.

520,826. ADHESIVE CEMENT TO BE USED IN ADHERING PLASTICS, WOOD, FABRICS, LEATHER, PAPER, GLASS, METAL, CERAMICS, METAL FOIL, RUBBER, AND UPHOLSTERY. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 24, 1948, Serial No. 562,129. Published Nov. 1, 1949. Class 5.

520,827. METAL AWNINGS. DONALD I. PORTER, Columbus, Ohio.
Filed July 24, 1948, Serial No. 562,150. Published Nov. 1, 1949. Class 12.

520,828. ICE BLANKETS AND PAPER NURSERY BLANKETS OF PARCHMENT PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,193. Published Oct. 11, 1949. Class 37.

520,829. WRAPPING PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,194. Published Oct. 11, 1949. Class 37.

520,830. WRAPPING PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,195. Published Oct. 25, 1949. Class 37.

520,831. LAMINATED MOISTURE-PROOF PAPERS. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,197. Published Oct. 25, 1949. Class 37.

520,832. SELF-SEALING WAXED PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,200. Published Oct. 11, 1949. Class 37.

520,833. BOND PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,202. Published Oct. 11, 1949. Class 37.

520,834. BOND PAPER SECOND SHEETS. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,203. Published Oct. 11, 1949. Class 37.

520,835. BOND PAPER. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,204. Published Oct. 11, 1949. Class 37.

520,836. VEHICLE TIRES MADE OF SYNTHETIC OR NATURAL RUBBER AND FABRIC OR COMBINATIONS THEREOF. WESTERN AUTO SUPPLY COMPANY, also doing business as Western Auto Stores, Kansas City, Mo.
Filed July 26, 1948, Serial No. 562,233. Published Oct. 4, 1949. Class 35.

520,837. REFRIGERATOR EQUIPMENT, REFRIGERATOR PARTS, AND ACCESSORIES THEREFOR, FOR DOMESTIC AND INDUSTRIAL USES—NAMELY, CONDENSERS AND EVAPORATORS FOR REFRIGERATING, ICE-MAKING, FREEZING, AND AIR AND LIQUID COOLING. BORG-WARNER CORPORATION, Chicago, Ill.
Filed July 28, 1948, Serial No. 562,315. Published Oct. 25, 1949. Class 31.

520,838. LIQUID POLISHING WAX FOR USE ON WOOD, LINOLEUM, TERRAZZO, RUBBER, AND COMPOSITION FLOORS AND PAINTED SURFACES. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed July 28, 1948, Serial No. 562,360. Published Oct. 11, 1949. Class 16.

520,839. FELT MATTRESSES, INNERSPRING MATTRESSES, BOX SPRINGS, AND COIL SPRINGS. THE MEBANE COMPANY, Mebane, N. C.
Filed July 28, 1948, Serial No. 562,380. Published Oct. 11, 1949. Class 32.

520,840. UPHOLSTERY, PILLOW AND MATTRESS SPRINGS, AND SPRING UNITS. CHICAGO SPRING PRODUCTS CO., Chicago, Ill.
Filed July 29, 1948, Serial No. 562,449. Published Oct. 25, 1949. Class 32.

520,841. TELEPHONE, TELEGRAPH AND RADIO EQUIPMENT—NAMELY, SWITCHBOARD UNITS, RELAYS, FUSE BLOCKS, TERMINAL BLOCKS, CONNECTING BLOCKS, TEST CONNECTORS, SPRING BINDING-POSTS, JACKS, ARRESTORS, AND MOUNTINGS. FAHNESTOCK ELECTRIC COMPANY, INC., Long Island City, N. Y.
Filed July 29, 1948, Serial No. 562,458. Published Nov. 1, 1949. Class 21.

520,842. HOUSE PAINT. THE EAGLE-PICHER COMPANY, Cincinnati, Ohio.
Filed July 30, 1948, Serial No. 562,548. Published Nov. 1, 1949. Class 16.

520,843. CARBON PAPER AND CARBON RIBBONS. KORES CARBON PAPER & RIBBONS MFG. CORP., New York, N. Y.
Filed July 31, 1948, Serial No. 562,612. Published Nov. 1, 1949. Class 11.

520,844. SALTED MIXED NUTS, SALTED CASHEW NUTS, SALTED PEANUTS, UNSALTED CASHEW NUTS, AND POTATO CHIPS. PARKWAY FOODS, INC., New York, N. Y.
Filed Aug. 2, 1948, Serial No. 562,664. Published Oct. 25, 1949. Class 46.

520,845. FUR SKINS, DRESSED AND UNDRESSED OR IN THE PIECE. L. A. ROCKLER FUR COMPANY, Minneapolis, Minn.
Filed Aug. 2, 1948, Serial No. 562,666. Published Oct. 25, 1949. Class 1.

520,846. DIATOMACEOUS EARTH MATERIALS. GREAT LAKES CARBON CORPORATION, New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,697. Published Oct. 25, 1949. Class 1.

520,847. DIATOMACEOUS EARTH, KIESELGUHR, AND INFUSORIAL EARTH IN LUMPS OR PULVERIZED FORM, MORE OR LESS DRIED, USED IN THE PREPARATION OF FILTER AIDS, FILLERS, HEAT INSULATION, CONCRETE ADMIXTURES, ABSORBENTS, AND POLISHES. GREAT LAKES CARBON CORPORATION, New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,698. Published Oct. 25, 1949. Class 1.

520,848. DIATOMACEOUS EARTH IN FINELY COMMINUTED FORM FOR USE AS A FILTER AID. GREAT LAKES CARBON CORPORATION, New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,701. Published Sept. 20, 1949. Class 31.

520,849. DIATOMACEOUS EARTH IN FINELY COMMINUTED FORM FOR USE AS A FILTER AID. GREAT LAKES CARBON CORPORATION, New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,704. Published Sept. 20, 1949. Class 31.

520,850. LEATHER. THE GRIESS-PFLEGER TANNING CO., Waukegan, Ill.
Filed Aug. 3, 1948, Serial No. 562,705. Published Oct. 25, 1949. Class 1.

520,851. LEATHER. THE GRIESS-PFLEGER TANNING CO., Waukegan, Ill.
Filed Aug. 3, 1948, Serial No. 562,706. Published Oct. 25, 1949. Class 1.

520,852. FILE CARDS AND FOLDERS. KOLLER & SMITH CO., INC., New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,714. Published Oct. 4, 1949. Class 37.

520,853. TOOTHPICKS. HERZ MANUFACTURING CORPORATION, New York, N. Y.
Filed Aug. 6, 1948, Serial No. 562,930. Published Nov. 1, 1949. Class 44.

520,854. POROUS ABSORBENT PORCELAIN PARTS SOLD AS SUCH FOR PARTS OF DISHES FOR FOOD AND THE LIKE PERISHABLE PRODUCTS. THE STAR PORCELAIN COMPANY, Trenton, N. J.
Filed Aug. 6, 1948, Serial No. 562,967. Published Sept. 20, 1949. Class 30.

520,855. PEAT MOSS FOR USE AS POULTRY LITTER STABLE BEDDING, HOOF STUFFING, ETC. ATKINS & DURBROW, INC., New York, N. Y.
Filed Aug. 10, 1948, Serial No. 563,100. Published Oct. 25, 1949. Class 1.

520,856. FIBREBOARD OR LEATHERBOARD FOR USE IN MAKING BUILT-UP HEELS FOR SHOES. GEORGE O. JENKINS COMPANY, Bridgewater, Mass.
Filed Aug. 11, 1948, Serial No. 563,187. Published Nov. 1, 1949. Class 1.

520,857. TABLE SYRUP, PICKLES, AND PEANUT BUTTER. W. B. RODDENBERY COMPANY, INC., Cairo, Ga.
Filed Aug. 11, 1948, Serial No. 563,220. Published Oct. 11, 1949. Class 46.

520,858. BOND PAPER. CARPENTER PAPER COMPANY, Omaha, Nebr.
Filed Aug. 12, 1948, Serial No. 563,235. Published Oct. 4, 1949. Class 37.

520,859. BOND PAPER. CARPENTER PAPER COMPANY, Omaha, Nebr.
Filed Aug. 12, 1948, Serial No. 563,236. Published Oct. 4, 1949. Class 37.

520,860. MATTRESSES. W. B. SMITH, doing business as Lamar Mattress Co., Memphis, Tenn.
Filed Aug. 12, 1948, Serial No. 563,286. Published Oct. 25, 1949. Class 32.

520,861. MATTRESSES. A. BRANDWEIN & COMPANY, Chicago, Ill.
Filed Aug. 13, 1948, Serial No. 563,303. Published Oct. 25, 1949. Class 32.

520,862. BICYCLE TIRES AND TUBES. W. T. GRANT COMPANY, New York, N. Y.
Filed Aug. 17, 1948, Serial No. 563,612. Published Oct. 4, 1949. Class 35.

520,863. NON-SEGREGATING DISTRIBUTORS USED IN FEEDING A UNIFORM MIXTURE OF COARSE AND FINE COAL ACROSS STOKER HOPPERS OR STOKERS OR FURNACES OR BOILERS FROM A SOURCE OF COAL SUPPLY. ARTHUR J. STOCK, doing business as Stock Engineering Company, Cleveland, Ohio.
Filed Aug. 23, 1948, Serial No. 563,876. Published Oct. 25, 1949. Class 34.

520,864. ICE CREAM. CLOVER GREEN DAIRIES, INC., Woodbridge, N. J.
Filed Aug. 25, 1948, Serial No. 564,099. Published Oct. 25, 1949. Class 46.

520,865. CHOCOLATE CANDY. EMERY, BIRD, THAYER DRY GOODS COMPANY, Kansas City, Mo.
Filed Aug. 25, 1948, Serial No. 564,102. Published Oct. 11, 1949. Class 46.

520,866. FLOCKED PAPER FOR USE AS BOX COVERINGS, WINDOW DISPLAYS, AND DISPLAY PAPER. SHERMAN PAPER PRODUCTS CORPORATION, Newton, Mass.
Filed Aug. 31, 1948, Serial No. 564,469. Published Oct. 11, 1949. Class 37.

520,867. PACKING FOR THE WEARING AND BEARING PARTS OF MACHINES, ETC. GREENE, TWEED & Co., North Wales, Pa.
Filed Sept. 3, 1948, Serial No. 564,620. Published Oct. 4, 1949. Class 35.

520,868. BUTTER. PEORIA CREAMERY COMPANY, Peoria, Ill.
Filed Sept. 3, 1948, Serial No. 564,647. Published Oct. 18, 1949. Class 46.

520,869. HOUSEHOLD ELECTRIC REFRIGERATORS. AVCO MANUFACTURING CORPORATION, Cincinnati, Ohio.
Filed Sept. 4, 1948, Serial No. 564,705. Published Nov. 1, 1949. Class 31.

520,870. COFFEE AND VINEGAR. GIOVANNI BERTOLLI CORP., Brooklyn, N. Y.
Filed Sept. 9, 1948, Serial No. 564,854. Published Oct. 18, 1949. Class 46.

520,871. CANNED SWEET CORN. DURBROW BROS. CANNING Co., Cedar Rapids, Iowa.
Filed Sept. 9, 1948, Serial No. 564,866. Published Nov. 1, 1949. Class 46.

520,872. PAINT OR FACING FOR WOOD, METAL, MASONRY, AND COMPOSITION BOARD SURFACES. SCHREYER & MICHAELS, New York, N. Y.
Filed Sept. 9, 1948, Serial No. 564,907. Published Oct. 18, 1949. Class 16.

520,873. BICARBONATE OF SODA (BAKING SODA), AND BAKING POWDER, EACH FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO. INC., New York, N. Y.
Filed Sept. 10, 1948, Serial No. 564,934. Published Oct. 25, 1949. Class 46.

520,874. PAINT BRUSHES. INMAN BRUSH Co., Highland Park, Ill.
Filed Sept. 10, 1948, Serial No. 564,946. Published Oct. 18, 1949. Class 29.

520,875. BLOW TORCHES AND PLUMBERS' SOLDER FURNACES ADAPTED TO BE OPERATED BY GASOLENE, KEROSENE, OR OIL FUEL. S. F. APPLIANCES, LIMITED, Ridgefield, N. J.
Filed Sept. 10, 1948, Serial No. 564,973. Published Sept. 6, 1949. Class 34.

520,876. ASH TRAYS. JOHN W. TURULIS, doing business as J. T. Manufacturing Company, Gary, Ind.
Filed Sept. 10, 1948, Serial No. 564,979. Published Oct. 25, 1949. Class 8.

520,877. FRESH CITRUS FRUITS. UPLAND CITRUS ASSOCIATION, Upland, Calif.
Filed Sept. 11, 1948, Serial No. 565,025. Published Oct. 25, 1949. Class 46.

520,878. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed Sept. 15, 1948, Serial No. 565,156. Published Oct. 25, 1949. Class 46.

520,879. SUGAR COOKIES. AUNT MARIA, Dorset, Vt.
Filed Sept. 15, 1948, Serial No. 565,165. Published Nov. 1, 1949. Class 46.

520,880. CYLINDER HEAD AND MANIFOLD GASKETS. THE FITZGERALD MANUFACTURING COMPANY, Torrington, Conn.
Filed Sept. 15, 1948, Serial No. 565,182. Published Oct. 4, 1949. Class 35.

520,881. HAIR DYES. SALES AFFILIATES, INC., New York, N. Y.
Filed Sept. 18, 1948, Serial No. 565,458. Published Oct. 4, 1949. Class 51.

520,882. FRESH VEGETABLES AND FRESH AVOCADOS. VALLEY FRUIT & PRODUCE Co., Los Angeles, Calif.
Filed Sept. 24, 1948, Serial No. 565,830. Published Oct. 25, 1949. Class 46.

520,883. ELECTRIC WATER HEATER. CHORE-BOY MILKING MACHINE COMPANY, Lansing, Mich.
Filed Sept. 27, 1948, Serial No. 565,910. Published Nov. 1, 1949. Class 21.

520,884. CANNED KING CRAB. PACIFIC EXPLORATION Co., INC., Seattle, Wash.
Filed Sept. 27, 1948, Serial No. 565,957. Published Oct. 25, 1949. Class 46.

520,885. NON-METALLIC FAUCET WASHERS. SCULLY RUBBER MFG., Co., Baltimore, Md.
Filed Sept. 27, 1948, Serial No. 565,967. Published Oct. 4, 1949. Class 35.

520,886. INSECT EXTERMINATING POWDER. SEE-JAY EXTERMINATING SERVICE, INC., Oklahoma City, Okla.
Filed Sept. 27, 1948, Serial No. 565,968. Published Oct. 4, 1949. Class 6.

520,887. POWER TRANSMISSION BELTING. BROWNING MANUFACTURING COMPANY, Maysville, Ky.
Filed Sept. 28, 1948, Serial No. 566,024. Published Oct. 18, 1949. Class 35.

520,888. PREPARATION FOR NEUTRALIZING OBJECTIONABLE ODORS IN THE HOME, OFFICE, SICK ROOM, NURSERY, AND FOR FRESHENING SMOKE-FILLED ROOMS, STUFFY CLOSETS, BATHROOMS, AND CELLARS. BARTHOLOMEW F. NATOLI, doing business as The Adro Company, Lyndhurst, N. J.
Filed Oct. 1, 1948, Serial No. 566,239. Published Oct. 18, 1949. Class 6.

520,889. CANNED VEGETABLES. STAYTON CANNING Co. Co-OPERATIVE, Stayton, Oreg.
Filed Oct. 1, 1948, Serial No. 566,250. Published Oct. 25, 1949. Class 46.

520,890. STOVES, WOOD AND COAL RANGES, AND OIL MARINE RANGES. WASHINGTON STOVE WORKS, Everett, Wash.
Filed Sept. 13, 1948, Serial No. 566,280. Published Oct. 18, 1949. Class 34.

520,891. ELASTIC VEHICLE TIRES COMPOSED WHOLLY OR IN PART OF RUBBER, AUTO FLAPS, RELINERS, STRAP-ON BOOTS, ADJUSTABLE BLOWOUT PATCHES, VALVE PATCHES, CAMEL BACK, REPAIR KITS FOR TIRES AND TUBES, AND INNER TUBES FOR PNEUMATIC TIRES. SEIBERLING RUBBER COMPANY, Akron, Ohio.
Filed Oct. 13, 1948, Serial No. 566,954. Published Oct. 18, 1949. Class 35.

520,892. DRY CLEANING FLUID FOR CLEANING SUITS, DRESSES, COATS, HATS, GLOVES, WOOLENS, SILKS, RAYONS, VELVETS, SATINS, LACES, CARPETS, RUGS, DRAPERIES, AUTOMOBILE AND HOUSEHOLD UPHOLSTERY. THORO PRODUCTS Co., Denver, Colo.
Filed Oct. 18, 1948, Serial No. 567,159. Published Oct. 4, 1949. Class 52.

520,893. WICKS. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed Oct. 20, 1948, Serial No. 567,277. Published Oct. 18, 1949. Class 34.

520,894. FRESH DECIDUOUS FRUITS. GARDENHOUR BROS., Smithsburg, Md.
Filed Sept. 13, 1948, Serial No. 567,347. Published Oct. 25, 1949. Class 46.

520,895. SOLVENT FOR CLEANING TURBINE LUBRICATING OIL SYSTEMS AND DIESEL LUBRICATING SYSTEMS. SUMCO PRODUCTS, INC., Brooklyn, N. Y., and San Francisco, Calif.
Filed Oct. 21, 1948, Serial No. 567,438. Published Oct. 25, 1949. Class 52.

520,896. BAKING OVENS AND DRYING OVENS. DESPATCH OVEN COMPANY, Minneapolis, Minn.
Filed Oct. 22, 1948, Serial No. 567,454. Published Oct. 18, 1949. Class 34.

520,897. LIQUEFIED PETROLEUM GAS BURNING SPACE HEATERS, LIQUEFIED PETROLEUM GAS BURNING WATER HEATERS, AND LIQUEFIED PETROLEUM GAS BURNING COOKING STOVES. GREEN'S FUEL, INC., Sarasota, Fla.
Filed Oct. 25, 1948, Serial No. 568,017. Published Oct. 18, 1949. Class 34.

520,898. LIQUEFIED PETROLEUM GAS BURNING REFRIGERATORS. GREEN'S FUEL, INC., Sarasota, Fla.
Filed Oct. 25, 1948, Serial No. 568,018. Published Oct. 25, 1949. Class 31.

520,899. HEAT EXCHANGERS FOR OIL REFINERIES AND POWER PLANTS. THE LUMMUS COMPANY, New York, N. Y.
Filed Nov. 6, 1948, Serial No. 568,317. Published Oct. 18, 1949. Class 34.

520,900. OIL-BURNING APPARATUS SOLD AS A UNIT, INCLUDING A BOILER, MOTORIZED OIL BURNER, WATER CIRCULATING PUMP, EXPANSION TANK, RELIEF VALVE, AQUASTAT, THERMOSTAT, AND SWITCHES. WHALE PRODUCTS CORP., Brooklyn, N. Y.
Filed Nov. 8, 1948, Serial No. 568,416. Published Oct. 25, 1949. Class 34.

520,901. SAFETY FLAME LAMPS. KOEHLER MANUFACTURING COMPANY, Marlboro, Mass.
Filed Nov. 19, 1948, Serial No. 569,074. Published Nov. 1, 1949. Class 34.

520,902. PERFUMES, TOILET WATER, COLOGNE, AFTER SHAVING LOTION, BRILLIANTINE, FACE POWDER, AND TALCUM POWDER. GUERLIN, INC., New York, N. Y.
Filed Oct. 23, 1948, Serial No. 569,320. Published Oct. 18, 1949. Class 51.

520,903. NASAL DECONGESTANT, CONSISTING OF AN EPHEDRIN-LIKE SUBSTANCE USED TO SHRINK ENGORGED NASAL TISSUE. CROOKES LABORATORIES, INC., New York, N. Y.
Filed Nov. 24, 1948, Serial No. 569,354. Published Oct. 18, 1949. Class 18.

520,904. BELTING. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Nov. 24, 1948, Serial No. 569,367. Published Oct. 25, 1949. Class 35.

520,905. LANTERNS AND MANTLES. THE COLEMAN COMPANY, INC., Wichita, Kans.
Filed Nov. 29, 1948, Serial No. 569,552. Published Nov. 1, 1949. Class 34.

520,906. WATER SOFTENING APPARATUS COMPRISING A TANK CONTAINING A BODY OF BASE EXCHANGE MATERIAL, PIPE CONNECTIONS FOR SAID TANK, VALVES AND VALVE CONTROL MECHANISM THEREFOR. THE LINDSAY COMPANY, St. Paul, Minn.
Filed Dec. 13, 1948, Serial No. 570,424. Published Nov. 1, 1949. Class 31.

520,907. ELECTRIC COMPRESSORS AND CONDENSING UNITS FOR USE IN DOMESTIC AND COMMERCIAL REFRIGERATORS AND COMMERCIAL FIXTURES; WATER COOLERS AND ICE CREAM CABINETS. MELCHIOR, ARMSTRONG, DESSAU Co. OF DELAWARE, INC., Ridgefield, N. J.
Filed Dec. 30, 1948, Serial No. 571,337. Published Nov. 1, 1949. Class 31.

520,908. SYNTHETIC RUBBER AND RUBBER-LIKE MATERIALS. ESSO STANDARD OIL COMPANY, Wilmington, Del., and New York, N. Y.
Filed Jan. 6, 1949, Serial No. 571,714. Published Oct. 11, 1949. Class 1.

520,909. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, NECKLACES, BROOCHES, BRACELETS, EARRINGS, CHATELAINES, AND FOBS. GARNÉ JEWELRY, New York, N. Y.
Filed Jan. 7, 1949, Serial No. 571,800. Published Nov. 1, 1949. Class 28.

520,910. PROPHYLACTIC SHEATH. KLINGFAST RUBBER COMPANY, Akron, Ohio.
Filed Jan. 15, 1949, Serial No. 572,258. Published Nov. 1, 1949. Class 44.

520,911. WATCHES AND PARTS OF WATCHES. NIXUS, S. A., Pery sur Bienne, Switzerland.
Filed Mar. 11, 1949, Serial No. 575,284. Published Nov. 1, 1949. Class 27.

520,912. WRIST WATCHES. MEYER ROBBIN, doing business as Robbin Products, Los Angeles, Calif.
Filed Mar. 14, 1949, Serial No. 575,435. Published Nov. 1, 1949. Class 27.

520,913. WRIST WATCHES. MEYER ROBBIN, doing business as Robbin Products, Los Angeles, Calif.
Filed Mar. 14, 1949, Serial No. 575,436. Published Nov. 1, 1949. Class 27.

520,914. WRIST WATCHES. MEYER ROBBIN, doing business as Robbin Products, Los Angeles, Calif.
Filed Mar. 14, 1949, Serial No. 575,437. Published Nov. 1, 1949. Class 27.

520,915. WATCHES AND WATCH MOVEMENTS. WALTER E. SINGER, doing business as Walter E. Singer Company, New York, N. Y.
Filed Mar. 15, 1949, Serial No. 575,496. Published Nov. 1, 1949. Class 27.

Service Marks

520,916. FIRE INSURANCE UNDERWRITING. CITIZENS INSURANCE COMPANY OF NEW JERSEY, Hartford, Conn.
Filed Oct. 2, 1947, Serial No. 536,499. Published Oct. 11, 1949. Class 102.

520,917. SERVING OF FOODS AND BEVERAGES IN RESTAURANTS. HOT SHOPPES, INC., Washington, D. C.
Filed Nov. 28, 1947, Serial No. 542,587. Published Oct. 11, 1949. Class 100.

520,918. THE SERVING OF FOOD AND BEVERAGES IN RESTAURANTS. CORA SUND CASPARIS, doing business as Don the Beachcomber, Hollywood, Calif.
Filed Jan. 2, 1948, Serial No. 545,949. Published Oct. 11, 1949. Class 100.

520,919. MAINTENANCE AND REPAIR OF DIESEL ENGINES AND PARTS THEREOF. CUMMINS ENGINE COMPANY, INC., Columbus, Ind.
Filed Feb. 24, 1948, Serial No. 550,392. Published Oct. 11, 1949. Class 103.

520,920. ACCIDENT, HEALTH, AND HOSPITALIZATION INSURANCE UNDERWRITING SERVICES. CONTINENTAL CASUALTY COMPANY, Chicago, Ill.
Filed Mar. 10, 1948, Serial No. 552,917. Published Oct. 11, 1949. Class 102.

520,921. NEWS AND NEWS REPORTING THROUGH THE MEDIUM OF TELEVISION BROADCASTS. THE HEARST CORPORATION, New York, N. Y.
Filed May 15, 1948, Serial No. 557,132. Published Oct. 11, 1949. Class 104.

520,922. ARRANGING AND CONDUCTING DOMESTIC AND FOREIGN TRAVEL TOURS AND CRUISES. CARTAN TRAVEL BUREAU, INC., Chicago, Ill.
Filed May 7, 1948, Serial No. 559,981. Published Sept. 6, 1949. Class 105.

520,923. MANAGEMENT COUNSELING TO THE BAKERY INDUSTRY RELATING TO PERSONNEL, ORGANIZATION, PRODUCTION, SALES, QUALITY CONTROL, AUTOMOTIVE AND PLANT MAINTENANCE, AND FINANCE. BAKERS ASSOCIATES INCORPORATED, Chicago, Ill.
Filed July 8, 1948, Serial No. 560,856. Published Oct. 11, 1949. Class 101.

520,924. INSECT AND RODENT EXTERMINATION AND FUMIGATION OF BUILDINGS, BOATS, AND OTHER STRUCTURES. AIRWAY EXTERMINATING & PRODUCTS COMPANY, Chicago, Ill.
Filed Oct. 15, 1948, Serial No. 567,014. Published Oct. 11, 1949. Class 103.

520,925. TRAVEL SERVICE—NAMELY, THE PLANNING AND CONDUCTING OF EXCURSIONS, TOURS, AND CHARTER PARTIES; CHARTERING ALL FORMS OF TRANSPORTATION FACILITIES; AND ARRANGING HOTEL AND RESORT RESERVATIONS; AND PROCURING FOR TRAVELLERS RAILROAD, MOTOR, STEAMSHIP, AND AIRPLANE TICKETS. RAINBOW TRAVEL SERVICE, INC., Oklahoma City, Okla.
Filed Nov. 3, 1948, Serial No. 568,117. Published Oct. 11, 1949. Class 105.

520,926. DISTRIBUTION BY WIRE OF MUSIC FROM CENTRAL LOCATIONS TO OFFICES, STORES, CLUBS, HOTELS, PLANTS, AND OTHER CONSUMERS. S. H. LYNCH & Co., Dallas, Tex.
Filed Jan. 3, 1949, Serial No. 571,564. Published Oct. 11, 1949. Class 107.

Collective Mark

520,927. DRIVING BELTS FOR MACHINERY. MULTIPLE V-BELT DRIVE AND MECHANICAL POWER TRANSMISSION ASSOCIATION, Chicago, Ill.
Filed Sept. 13, 1948, Serial No. 565,075. Published Oct. 4, 1949. Class 35.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

520,928. (CLASS 52. DETERGENTS AND SOAPS.) ENGINE LIFE PRODUCTS CORPORATION, ASSIGNEE OF DIESEL FILTER CO., El Monte, Calif. Original filed, act of 1905, Apr. 16, 1945; amended to application under act of 1946, Supplemental Register, June 22, 1948, Serial No. 482,198.

KLEEN-R-KREME

FOR WATERLESS CLEANER FOR REMOVING GREASE, GRIME, PAINT, INK, ETC., FROM THE HANDS, AND FOR USE IN CLEANING OTHER SURFACES.
Claims use since Feb. 7, 1945.

520,929. (CLASS 18. MEDICINES AND PHARMACEUTICAL PREPARATIONS.) NEW ENGLAND GRAIN PRODUCTS CO., Waterville, Maine. Original filed, act of 1905, Dec. 19, 1945; amended to application under act of 1946, Supplemental Register, Nov. 20, 1948, Serial No. 493,566.

SUPER-SUPPLEMENT

FOR VITAMIN CONCENTRATE FOR DOGS, FOXES, AND MINK.
Claims use since Nov. 29, 1945.

520,930. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PERFECTION MOP CO., Maywood, Calif. Original filed, act of 1905, July 20, 1946; amended to application under act of 1946, Supplemental Register, Nov. 14, 1947, Serial No. 505,981.

Perfection

FOR DUST MOPS.
Claims use since Apr. 1, 1946.

520,931. (CLASS 34. HEATING, LIGHTING AND VENTILATING APPARATUS.) YORK-SHIPLEY, INC., York, Pa. Original filed, act of 1905, Aug. 19, 1946; amended to application under act of 1946, Principal Register, Oct. 31, 1947; amended to Supplemental Register, Aug. 22, 1949, Serial No. 507,668.

WARMAIRE

FOR SELF-CONTAINING OIL BURNING SPACE HEATERS.
Claims use since July 25, 1946.

520,932. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE POLLAK STEEL COMPANY, Cincinnati, Ohio. Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Supplemental Register, Apr. 17, 1948, Serial No. 512,793.

POLLAK STUDTEE

FOR METAL FENCE POSTS.
Claims use since Oct. 23, 1946.

520,933. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AUSTIN DENTAL LABORATORIES, Chicago, Ill. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, June 29, 1948, Serial No. 513,375.

"Jewel-Like Finish"

FOR ARTIFICIAL TEETH AND DENTURES.
Claims use since Oct. 17, 1946.

520,934. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WATERLOO FOUNDRY COMPANY, Waterloo, Iowa. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, Dec. 13, 1948, Serial No. 513,484.

RAINCAP

FOR CLOSURES FOR EXHAUST PIPES OF FUEL OPERATED ENGINES.
Claims use since May 21, 1945.

520,935. (CLASS 11. INKS AND INKING MATERIALS.) NATIONAL STATIONERS, Philadelphia, Pa. Original filed, act of 1905, Apr. 16, 1947; amended to application under act of 1946, Supplemental Register, Feb. 9, 1949, Serial No. 520,827.

RITE-WELL

FOR WRITING INK.
Claims use since Feb. 3, 1947.

520,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARON STREIT, INC., New York, N. Y. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Supplemental Register, June 23, 1948, Serial No. 524,441.

MATZOSNAX

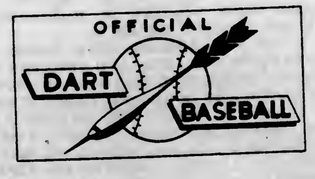
FOR MATZOS.
Claims use since June 13, 1947.

520,937. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) KAROL ZAJC, New York, N. Y. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Supplemental Register, Nov. 2, 1948, Serial No. 524,510.



FOR RELIGIOUS ARTICLES—NAMELY, TABERNACLE SAFES AND MEMORIAL TABLETS.
Claims use since May 1946.

520,938. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) C. ROBERT WALTER, doing business as Reading Dart Board Company, West Lawn, Pa. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Supplemental Register, Sept. 2, 1948, Serial No. 525,462.



FOR DART GAME.
Claims use since May 1, 1947.

520,939. (CLASS 51. COSMETICS AND TOILET PREPARATIONS.) MURRAY DULBERG, doing business as The ILIPEN CO., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 28, 1947; amended to application, Supplemental Register, Sept. 8, 1948, Serial No. 532,694.

MAKE-UP-PEN

FOR VANITY ENSEMBLE COMPRISING A CYLINDRICAL TUBE OF METAL OR PLASTIC CONTAINING A PERFUME VIAL, LIPSTICK AND BRUSH APPLICATOR THEREFOR, AND EYE BROW PENCIL, SAID ENSEMBLE SOLD AS A UNIT.
Claims use since Aug. 20, 1947.

520,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASSOCIATED FOOD DISTRIBUTORS, INC., Coldwater, Mich. Original filed, act of 1946, Principal Register, Aug. 12, 1947; amended to application, Supplemental Register, July 20, 1948, Serial No. 532,979.

ISBEST

Applicant claims ownership of Registration No. 290,304.
FOR FOLLOWING CANNED FOOD PRODUCTS: GREEN, WAX, LIMA AND KIDNEY BEANS; CORN, GOLDEN AND WHITE; PEAS; TOMATOES; PEARS; PEACHES; PINEAPPLE; TUNA FLAKES; SALMON; AND COFFEE.
Claims use since Oct. 1, 1930.

520,941. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) AMPLIFIER CORP. OF AMERICA, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 5, 1947; amended to application, Supplemental Register, Sept. 18, 1948, Serial No. 533,522.

MAGNETAPE

FOR MAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS AND MAGNETIC TAPE USED IN CONNECTION THEREWITH.
Claims use since Aug. 1, 1947.

520,942. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRATT FOOD COMPANY, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Nov. 21, 1947; amended to application, Supplemental Register, Nov. 22, 1948, Serial No. 541,963.

Pratts

Applicant claims ownership of Registrations Nos. 21,632, 21,633, 21,634, 394,014, 426,881.
FOR FOODS FOR HORSES, COWS, SHEEP, DOGS, GOATS, RABBITS AND MICE, AND ALSO FOR CHICKENS, DUCKS, TURKEYS, GEESE AND PIGEONS, AND WHICH FOODS ARE COMPOSED LARGELY OF MIXTURES OF CORN, WHEAT AND OAT MEALS AND GRAINS, BRAN, MIDDLINGS, MEAT AND FISH MEALS, SOYBEAN OIL MEAL, ALFALFA MEAL AND APPROPRIATE LESSER AMOUNTS OF VITAMINIC AND MINERAL SUPPLEMENTS.
Claims use since June 1, 1906.

520,943. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SCULLY RUBBER MANUFACTURING CO., Baltimore, Md. Filed Dec. 11, 1947, Serial No. 544,117.

Full-Seal

FOR FLUSH TANK BALLS.
Claims use since June 10, 1948.

520,944. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LANSING ENGINEERING COMPANY, Lansing, Mich. Original filed, act of 1946, Principal Register, Dec. 13, 1947; amended to application, Supplemental Register, July 13, 1949, Serial No. 544,268.

LECTRO-COUNT

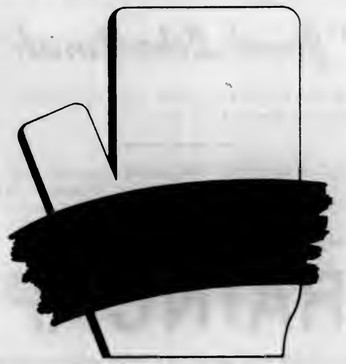
FOR APPARATUS FOR REGISTERING AND RECORDING THE NUMBER OF ARTICLES PROCESSED BY ASSOCIATED MASS PRODUCTION MACHINERY.
Claims use since Oct. 18, 1947.

520,945. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE WARD PRODUCTS CORPORATION, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Jan. 3, 1948; amended to application, Supplemental Register, May 17, 1949, Serial No. 546,138.

WARD AERIALS

FOR RADIO ANTENNA.
Claims use since Nov. 28, 1947.

520,946. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE ARCO COMPANY, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Jan. 26, 1948; amended to application, Supplemental Register, June 9, 1949, Serial No. 547,962.



FOR MITTENS USED AS PAINT APPLICATORS.
Claims use since Oct. 10, 1947.

520,947. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MASON TACKLE, Otisville, Mich. Original filed, act of 1946, Principal Register, Apr. 5, 1948; amended to application, Supplemental Register, Nov. 7, 1949, Serial No. 553,882.

Perch Leader

The word "Leader" is disclaimed.
FOR FISHING LINE LEADERS.
Claims use since Aug. 1, 1947.

520,948. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MASON TACKLE, Otisville, Mich. Original filed, act of 1946, Principal Register, Apr. 5, 1948; amended to application, Supplemental Register, Nov. 7, 1949, Serial No. 553,883.

Two-a-Time

FOR FISHING LINE LEADERS.
Claims use since Aug. 1, 1947.

520,949. (CLASS 13. HARDWARE AND PLUMBING AND STEAM FITTING SUPPLIES.) STRONGHOLD SCREW PRODUCTS, INC., Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 19, 1948; amended to application, Supplemental Register, Nov. 14, 1949, Serial No. 555,022.

SKRU-KIT

FOR SCREWS, BOLTS, AND METAL WASHERS.
Claims use since Feb. 20, 1948.

520,950. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CAMERON CORPORATION, Cleveland, Ohio. Original filed, act of 1946, Principal Register, June 12, 1948; amended to application, Supplemental Register, Sept. 7, 1949, Serial No. 559,087.

CAMERON Jet Agitated DISHWASHER

The words "Jet Agitated" and "Dishwasher" are disclaimed.
FOR WATERPOWER DISHWASHERS.
Claims use since Dec. 24, 1947.

631 O. G.—5

520,951. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) BERNARD G. JOHNSON, Willow Springs, Ill. Original filed, act of 1946, Principal Register, July 7, 1948; amended to application, Supplemental Register, Nov. 4, 1949, Serial No. 560,818.

BUTT...
...KUP

FOR WALL TYPE ASH TRAYS.
Claims use since May 14, 1947.

520,952. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Original filed, act of 1946, Principal Register, July 23, 1948; amended to application, Supplemental Register, Dec. 2, 1949, Serial No. 562,013.

Electro-KLEAN

FOR ELECTRICAL VENTILATING AIR CLEANERS OR PRECIPITATORS OF THE DOMESTIC HOUSEHOLD TYPE HAVING AN AIR POROUS SHEET-LIKE DIELECTRIC FILTER MEDIUM FOR USE IN DOMESTIC HOT AIR HEATING SYSTEMS.
Claims use since Nov. 5, 1946.

520,953. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LESTER J. SERMAY, doing business as The Lesters, Island Park, N. Y. Original filed, act of 1946, Principal Register, Aug. 23, 1948; amended to application, Supplemental Register, Nov. 25, 1949, Serial No. 563,874.



FOR SAUCE FOR SHRIMP COMPOSED OF VINEGAR, OLIVE OIL, HORSERADISH, PEPPER RELISH, ENGLISH MUSTARD, SUGAR, SALT, BLACK PEPPER, RED PAPRIKA, GRATED ROQUEFORT CHEESE, GRATED PARMESAN CHEESE, ONION SALT, GARLIC SALT, AND MAYONNAISE.
Claims use since June 1, 1948.

520,954. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KRAMER JEWELRY CREATIONS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 8, 1948; amended to application, Supplemental Register, Sept. 13, 1949, Serial No. 564,818.

"THE Diamond Look"

FOR COSTUME JEWELRY—NAMELY, CHOKERS, BRACELETS, EARRINGS, BROOCHES, FINGER RINGS.
Claims use since July 15, 1948.

520,955. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DAYTON TAXIMETER CORPORATION, Dayton, Ohio. Original filed, act of 1946, Principal Register, Oct. 20, 1948; amended to application, Supplemental Register, Sept. 15, 1949, Serial No. 567,240.

DAYTON

FOR TAXIMETERS.
Claims use since June 8, 1945.

520,956. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HANS KNEUBUHLER, Burgdorf, Switzerland. Filed Sept. 14, 1948, Serial No. 567,350.

FIX-REEL

FOR FISHING REELS.
Claims use since Feb. 20, 1943.

520,957. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) J. E. SEEMAN COMPANY, INC., Los Angeles, Calif. Filed Oct. 25, 1948, Serial No. 567,601.

Kwik Spark

FOR LIGHTER FLINTS.
Claims use since Feb. 19, 1941.

520,958. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLORPHONE, INC., Oakland, Calif. Original filed, act of 1946, Principal Register, Nov. 2, 1948; amended to application, Supplemental Register, Sept. 3, 1949, Serial No. 568,028.

Colorphone

FOR PLASTIC COVERS FOR TELEPHONE TRANSMITTING AND RECEIVING INSTRUMENTS.
Claims use since Aug. 2, 1948.

520,959. (CLASS 32. FURNITURE AND UPHOLSTERY.) SUPER-FOAM COMPANY, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Nov. 4, 1948; amended to application, Supplemental Register, Nov. 28, 1949, Serial No. 568,223.

Super-Foam

FOR FURNITURE CUSHIONS, FURNITURE SEATS, PILLOWS, MATTRESSES, FURNITURE ARM REST PADS.
Claims use since Feb. 3, 1948.

520,960. (CLASS 11. INKS AND INKING MATERIALS.) CLARY MULTIPLIER CORPORATION, Los Angeles, Calif. Filed Nov. 8, 1948, Serial No. 568,349.

CLARY

FOR PRINTING RIBBONS.
Claims use since Apr. 22, 1946.

520,961. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDEAL MACARONI CO., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Nov. 30, 1948; amended to application, Supplemental Register, Dec. 12, 1949, Serial No. 569,625.

IPPOLITO'S

FOR VERMICELLI, SPAGHETTI, MACARONI, SHELLS, RIGATONI, AND OTHER ALIMENTARY PASTES.
Claims use since Sept. 1, 1948.

520,962. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RHODE ISLAND TEXTILE COMPANY, Pawtucket, R. I. Original filed, act of 1946, Principal Register, Dec. 16, 1948; amended to application, Supplemental Register, Nov. 10, 1949, Serial No. 570,638.

STAY-TY

FOR SHOE LACES.
Claims use since Sept. 23, 1948.

520,963. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RAYMOND C. ENGEL, La Salle, Ill. Original filed, act of 1946, Principal Register, Dec. 21, 1948; amended to application, Supplemental Register, Nov. 12, 1949, Serial No. 570,929.

SHOLDER-EEZ

FOR SHOULDER GUARDS USED WITH BRASSIÈRE STRAPS.
Claims use since Aug. 7, 1948.

520,964. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRANK H. PARKS, Portland, Oreg. Filed Nov. 3, 1948, Serial No. 571,378.

TRUE·TO·MAG.

Applicant claims ownership of Registration No. 398,650.
FOR PROTRACTORS FOR DETERMINING THE COURSE OF A SHIP.
Claims use since June 4, 1940.

520,965. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) REYNOLDS METALS COMPANY, Richmond, Va. Filed Dec. 27, 1948, Serial No. 571,489.

Lifetime

FOR GOLF CLUBS.
Claims use since Dec. 19, 1947.

520,966. (CLASS 52. DETERGENTS AND SOAPS.) THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, May 24, 1949; amended to application, Supplemental Register, Oct. 28, 1949, Serial No. 579,452.



The drawing is lined for the colors green and yellow. The representation of the head of a woman is fanciful.
Applicant claims ownership of Registrations Nos. 222,564 and 338,614.
FOR TOILET AND BATH SOAP.
Claims use since May 1932.

Service Marks

520,967. (CLASS 106. MATERIAL TREATMENT.) BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 12, 1947; amended to application, Supplemental Register, Sept. 10, 1948, Serial No. 544,145.



Applicant claims ownership of Registrations Nos. 384,379, 385,598, 413,161, 419,345, 422,869, 422,870, 422,871, 422,872, 422,873, and 432,765.
FOR SERVICES RENDERED MANUFACTURERS OF ALL KINDS OF FABRIC INCLUDING COTTON, WOOL, WORSTED, ACETATE RAYON, SPUN RAYON, AND MIXED FIBERS, WHICH SERVICES CONSIST OF RENDERING FABRICS FAST TO WASHING, FAST TO LIGHT, PERSPIRATION PROOF, MILDEW PROOF, SHRINK PROOF, FLAME PROOF, STABILIZED, CREASE RESISTANT, RESISTANT TO GAS FUME FADING, WATER REPELLENT, AND FINISHING FABRICS FOR PERMANENT HAND AND PERMANENT LUSTRE.
Claims use since May 9, 1945.

520,968. (CLASS 106. MATERIAL TREATMENT.) BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 12, 1947; amended to application, Supplemental Register, Sept. 10, 1948, Serial No. 544,146.



Applicant claims ownership of Registrations Nos. 384,379, 385,598, 413,161, 419,345, 422,869, 422,870, 422,871, 422,872, 422,873, and 432,765.
FOR SERVICES RENDERED MANUFACTURERS OF ALL KINDS OF FABRIC INCLUDING COTTON, WOOL, WORSTED, ACETATE RAYON, SPUN RAYON, AND MIXED FIBERS, WHICH SERVICES CONSIST OF RENDERING FABRICS FAST TO WASHING, FAST TO LIGHT, PERSPIRATION PROOF, MILDEW PROOF, SHRINK PROOF, FLAME PROOF, STABILIZED, CREASE RESISTANT, RESISTANT TO GAS FUME FADING, WATER REPELLENT, AND FINISHING FABRICS FOR PERMANENT HAND AND PERMANENT LUSTRE.
Claims use since May 9, 1945.

520,969. (CLASS 106. MATERIAL TREATMENT.) BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 12, 1947; amended to application, Supplemental Register, Sept. 10, 1948, Serial No. 544,147.



Applicant claims ownership of Registrations Nos. 384,379, 385,598, 413,161, 419,345, 422,869, 422,870, 422,871, 422,872, 422,873, and 432,765.

FOR SERVICES RENDERED MANUFACTURERS OF ALL KINDS OF FABRIC INCLUDING COTTON, WOOL, WORSTED, ACETATE RAYON, SPUN RAYON, AND MIXED FIBERS, WHICH SERVICES CONSIST OF RENDERING FABRICS FAST TO WASHING, FAST TO LIGHT, PERSPIRATION PROOF, MILDEW PROOF, SHRINK PROOF, FLAME PROOF, STABILIZED, CREASE RESISTANT, RESISTANT TO GAS FUME FADING, WATER REPELLENT, AND FINISHING FABRICS FOR PERMANENT HAND AND PERMANENT LUSTRE.

Claims use since May 9, 1945.

520,970. (CLASS 103. CONSTRUCTION AND REPAIR.) CUMMINS ENGINE COMPANY, INC., Columbus, Ind. Original filed, act of 1946, Principal Register, Feb. 24, 1948; amended to application, Supplemental Register, Dec. 9, 1948, Serial No. 550,393.



Applicant claims ownership of Registrations Nos. 210,288, 214,074, and 350,500.

FOR MAINTENANCE AND REPAIR OF DIESEL ENGINES AND PARTS THEREOF.

Claims use since Mar. 1, 1944.

TRADE-MARK REGISTRATIONS RENEWED

34,494. "FERN BRAND" ETC. AND REPRESENTATION OF FERN. Registered Apr. 17, 1900. Anglo-Swiss Condensed Milk Company. Re-renewed Apr. 17, 1950, to The Borden Company, New York, N. Y., a corporation of New Jersey. MILK, CRUDE, CONDENSED, OR STERILIZED; CREAM, CRUDE, CONDENSED, OR STERILIZED, AND BUTTER AND BUTTERMILK. Class 46.

75,549. "LIQUORE STREGA" ETC. AND DRAWING. Registered Oct. 19, 1909. Giuseppe Alberti, Benevento, Italy. Re-renewed Oct. 19, 1949, to Societa per Azioni Strega Alberti Benevento (S. A. B.), Rome, Italy, a limited joint stock company organized under the laws of Italy. CORDIAL. Class 49.

76,074. DESIGN. Registered Dec. 14, 1909. The Kansas Milling Company, Wichita, Kans., a corporation of Kansas. Re-renewed Dec. 14, 1949. WHEAT-FLOUR. Class 46.

76,075. DESIGN. Registered Dec. 14, 1909. The Kansas Milling Company, Wichita, Kans., a corporation of Kansas. Re-renewed Dec. 14, 1949. WHEAT-FLOUR. Class 46.

76,076. $. Registered Dec. 14, 1909. The Kansas Milling Company, Wichita, Kans., a corporation of Kansas. Re-renewed Dec. 14, 1949. WHEAT-FLOUR. Class 46.

76,150. CHALLENGE. Registered Dec. 21, 1909. The Isaac Harter Milling Company, Toledo, and Fostoria, Ohio. Re-renewed Dec. 21, 1949, to The Mennel Milling Company, Toledo, Ohio, a corporation of Ohio. WHEAT-FLOUR. Class 46.

76,233. STONEWALL. Registered Dec. 28, 1909. Stonewall Cotton Mills, Stonewall, Miss. Re-renewed Dec. 28, 1949, to The Crown Overall Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio. COTTON SHEETINGS, SHIRTINGS, DRILLS, OSNABURGS, DUCKS, AND VARIOUS COLORED COTTON CLOTH. Class 42.

76,571. REPRESENTATION OF SMITHS FORGING A PROTECTOR ON AN ANVIL. Registered Feb. 1, 1910. John Giles & Sons, Limited, Bristol, England. Re-renewed Feb. 1, 1950, to John Giles & Sons Limited, Leeds, England, a British company. BOOT PROTECTORS OF METAL, SOLD SEPARATELY, THAT IS TO SAY, INDEPENDENTLY OF BOOTS COMPLETE. Class 13.

76,711. REPRESENTATION OF SWAN AND DESIGN. Registered Feb. 8, 1910. Church & Dwight Company. Re-renewed Feb. 8, 1950, to Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. BAKING-SODA, SALERATUS, AND BAKING-POWDER. Class 46.

76,919. "MORNING GLORY" AND DRAWING. Registered Feb. 22, 1910. Indian Hill Citrus Association, North Pomona, Calif, a corporation of California Re-renewed Feb. 22, 1950. CITRUS FRUITS. Class 46.

76,998. APEX. Registered Mar. 1, 1910. Heaton-Peninsular Button Fastener Co. Re-renewed Mar. 1, 1950, to Elliott-Heaton-Peninsular Corporation, Boston, Mass., a corporation of Massachusetts. POWER AND HAND OPERATED MACHINES FOR SETTING STAPLE LIKE METALLIC FASTENERS FOR ATTACHING BUTTONS TO BOOTS, ETC. Class 23.

77,049. ADVANCE. Registered Mar. 8, 1910. Driver-Harris Wire Co. Re-renewed Mar. 8, 1950, to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey. UNINSULATED METALLIC WIRE AND METALLIC RIBBONS. Class 14.

77,050. CLIMAX. Registered Mar. 8, 1910. Driver-Harris Wire Co. Re-renewed Mar. 8, 1950, to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey. UNINSULATED METALLIC WIRE. Class 14.

77,295. CHICAGO. Registered Mar. 29, 1910. Chicago Spring Butt Company. Re-renewed Mar. 29, 1950, to Chicago Spring Hinge Company, Chicago, Ill., a corporation of Illinois. HINGES. Class 13.

77,343. ANITA. Registered Mar. 29, 1910. Texas Star Flour Mills, Galveston, Tex. Re-renewed Mar. 29, 1950, to Texas Star Flour Mills, Dallas and Galveston, Tex., a corporation of Texas. WHEAT-FLOUR. Class 46.

77,383. UNDERWOOD. Registered Apr. 5, 1910. John T. Underwood. Re-renewed Apr. 5, 1950, to John Underwood & Co., New York, N. Y., a copartnership. WRITING AND PRINTING PAPER. Class 37.

77,468. "VOLUNTEER BRAND" AND DRAWING. Registered Apr. 12, 1910. Indian Hill Citrus Association, North Pomona, Calif., a corporation of California. Re-renewed Apr. 12, 1950. CITRUS FRUITS. Class 46.

77,563. "ARROYO" AND DRAWING. Registered Apr. 19, 1910. Pasadena Orange Growers Association, Pasadena, Calif. Re-renewed Apr. 19, 1950, to Sierra Madre-Lamanda Citrus Association, Lamanda Park, Calif., a corporation of California. ORANGES AND GRAPE-FRUIT. Class 46.

77,564. "ECHO BRAND" AND DRAWING. Registered Apr. 19, 1910. Pasadena Orange Growers Association, Pasadena, Calif. Re-renewed Apr. 19, 1950, to Sierra Madre-Lamanda Citrus Association, Lamanda Park, Calif., a corporation of California. ORANGES AND GRAPE-FRUIT. Class 46.

259,357. LITTLEWAY LOCKSTITCH. Registered July 30, 1929. The Littleway Process Company, Boston, Mass., a corporation of Massachusetts. Renewed July 30, 1949. LEATHER BOOTS AND SHOES. Class 39.

259,367. CHIPPER. Registered July 30, 1929. The Beckley-Ralston Co. Renewed July 30, 1949, to American Steel Box Corp., Chicago, Ill., a corporation of Illinois. GOLF CLUBS. Class 22.

259,718. "ACCOUNTING SERVICE CUNOCAR" LINED FOR GOLD. Registered Aug. 6, 1929. Cuno R. Bryant, Portland, Oreg. Renewed Aug. 6, 1949. PORTABLE ACCOUNTING OFFICES TO BE MOUNTED UPON THE CHASSIS OF A SELF-PROPELLED VEHICLE. Class 19.

261,231. RITE-FIT. Registered Sept. 10, 1929. The Matusow Manufacturing Company. Renewed Sept. 10, 1949, to Matusow Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. BOYS' WASH SUITS AND BOYS' WASH KNICKERS. Class 39.

261,297. "S S STROKE SAVERS" AND DESIGN. Registered Sept. 17, 1929. The Beckley-Ralston Co. Renewed Sept. 17, 1949, to American Steel Box Corp., Chicago, Ill., a corporation of Illinois. GOLF CLUBS. Class 22.

262,136. TAVERN. Registered Oct. 1, 1929. Peerless Cotton Mills. Renewed Oct. 1, 1949, to Thomaston Cotton Mills, Thomaston, Ga., a corporation of Georgia. SHEETS, PILLOWCASES, AND BEDSPREADS. Class 42.

262,367. REPRESENTATION OF PAPER CUP ON CIRCLE LINED FOR BLUE. Registered Oct. 8, 1929. The Vortex Mfg. Co., Chicago, Ill. Renewed Oct. 8, 1949, to Dixie Cup Company, Easton, Pa., a corporation of Delaware. PAPER CUPS. Class 2.

262,876. KASHMIREDDA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,877. KASHMIRLUXA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,878. KASHMIRLISSA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,879. KASHMIRGRANDA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,880. KASHMIRENGO. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,881. KASHMIRUNA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,882. KASHMIROMA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,883. KASHMIRANDA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,884. KASHMIRBRENTA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,885. KASHMINTA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,886. CRESSELLA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,927. MARTANA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,928. MANDALA. Registered Oct. 29, 1929. Forstmann & Huffmann Company. Renewed Oct. 29, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

262,982. CLIMATIZED. Registered Oct. 29, 1929. New England Panama Hat Co. Inc., New York, N. Y. Renewed Oct 29, 1949, to Men's Hats, Incorporated, Baltimore, Md., a corporation of Maryland. MEN'S STRAW HATS. Class 39.

263,145. GRAMERCY. Registered Oct. 29, 1929. Gimbel Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Oct 29, 1949. SHEETS AND PILLOWCASES. Class 42.

263,268. BUTTERFLY. Registered Nov. 5, 1929. Probak Corporation, Jersey City, N. J., and New York, N. Y. Renewed Nov. 5, 1949, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. RAZOR BLADES. Class 23.

263,269. KEG. Registered Nov. 5, 1929. Probak Corporation, Jersey City, N. J., and New York, N. Y. Renewed Nov 5, 1949, to Gillette Safety Razor Cmpany, Boston, Mass., a corporation of Delaware. RAZOR BLADES. Class 23.

263,380. LADY BURD. Registered Nov. 5, 1929. Burd Brothers, Philadelphia, Pa., a firm. Renewed Nov. 5, 1949. HOSIERY. Class 39.

263,385. WB. Registered Nov. 5, 1929. William Boucher & Sons. Renewed Nov. 5, 1949, to William Boucher & Sons, Inc., Baltimore, Md., a corporation of Maryland. CIGARS. Class 17.

263,286. "DIAMANTE" ETC. AND REPRESENTATION OF DIAMOND. Registered Nov. 5, 1929. Samuel M. Dell & Co., Inc., Baltimore, Md., a corporation of Maryland. Renewed Nov. 5, 1949. FLAT PAINTBRUSHES, EITHER LEATHER OR METAL BOUND; ROUND PAINTBRUSHES, ETC. Class 29.

263,869. "HOOKLESS" AND DESIGN. Registered Nov. 12, 1929. Hookless Fastener Company. Renewed Nov. 12, 1949, to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania. SEPARABLE FASTENERS, ESPECIALLY OF THE SLIDER-CONTROLLED TYPE. Class 13.

264,053. FISCHER'S. Registered Nov. 19, 1929. B. Fischer & Co., Inc., New York, N. Y., a corporation of New York. Renewed Nov. 19, 1949. COFFEE, TEA, AND SPICE. Class 46.

264,062. CONGRESS. Registered Nov. 19, 1929. Rubie Blade Corporation, New York, N. Y. Renewed Nov. 19, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 28.

264,327. ETTCO. Registered Nov. 26, 1929. Eastern Tube and Tool Co. Inc. Renewed Nov. 26, 1949, to Ettco Tool Co., Inc., Brooklyn, N. Y., a corporation of New York. TAP-SUPPORTING DEVICES AND TAPPING ATTACHMENTS AND PARTS THEREOF FOR WOOD AND METAL WORKING. Class 23.

264,372. "WIMBLEDON" ETC. AND DRAWING. Registered Nov. 26, 1929. Ogus, Rabinovich & Ogus, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 26, 1949. WOMEN'S, CHILDREN'S, AND MISSES' HATS. Class 39.

264,438. ESMERALDA. Registered Nov. 26, 1929. Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik, "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Nov. 26, 1949. SOAPS. Class 52.

264,475. "PANTHER" AND DRAWING. Registered Nov. 26, 1929. A. Atmanspacher, Ehrenfriedersdorf, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Nov. 26, 1949. BOOTS AND SHOES OF LEATHER, RUBBER, OR TEXTILE MATERIAL, OR COMBINATIONS OF THESE MATERIALS. Class 39.

264,662. "CEDERROTHS" ETC. AND DRAWING. Registered Dec. 3, 1929. Christian Cederroth. Renewed Dec. 3, 1949, to Christian Sten Sture Cederroth, Stockholm, Sweden. FRUIT SALTS (EXTRACTS OF FRUITS) USED IN THE TREATMENT OF RHEUMATISM, ETC. Class 18.

264,878. SINASIPTIC. Registered Dec. 10, 1929. American Drug Corporation, St. Louis, Mo., a corporation of Missouri. Renewed Dec. 10, 1949. PREPARATION FOR THE PREVENTION AND RELIEF OF HAY FEVER, CATARRH, COLDS, AND NASAL INFECTIONS. Class 18.

264,903. ROYA. Registered Dec. 10, 1929. Forstmann & Huffmann Company. Renewed Dec. 10, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

264,995. DUREX. Registered Dec. 10, 1929. General Motors Corporation, Detroit, Mich., a corporation of Delaware. Renewed Dec. 10, 1949. BEARINGS FOR SHAFTS AND SIMILAR MACHINE ELEMENTS, THE SAME BEING MADE FROM POROUS METAL. Class 23.

265,106. "MELLOW CREAM" AND DESIGN. Registered Dec. 17, 1929. The Northwestern Elevator & Mill Company, Toledo, Ohio, a corporation of Ohio. Renewed Dec. 17, 1949. CAKE FLOUR. Class 46.

265,195. "BOISSIER" AND REPRESENTATION OF BOX. Registered Dec. 17, 1929. Société Dailly & Cie, Paris, France, a joint stock company organized under the laws of France. Renewed Dec. 17, 1949. CANDIES AND CRYSTALLIZED FRUITS. Class 46.

265,212. FENNOSE. Registered Dec. 17, 1929. John Wyeth & Brother, Incorporated. Renewed Dec. 17, 1949, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. MEDICINAL CARMINATIVE AND ANTACID TO BE USED IN THE TREATMENT OF FLATULENT COLIC, ETC. Class 18.

265,965. CHARLOTTE-CHARLES. Registered Jan. 7, 1930. Melanie B. McCarthy. Renewed Jan. 7, 1950, to Charlotte Charles, Inc., Evanston, Ill., a corporation of Illinois. CAKES AND MARMALADE. Class 46.

266,381. PURGRAIN PIGEON GRIT. Registered Jan. 14, 1930. The Philadelphia Seed Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 14, 1950. HEALTH CONDITIONER AND TONIC FOR POULTRY. Class 18.

266,640. GOLDEN SWEETS. Registered Jan. 28, 1930. Barnett & Sibille Company. Renewed Jan. 28, 1950, to J & W Sibille Company, Sunset, La., a firm. CANDIED SWEET POTATOES IN TINS. Class 46.

267,110. "SHERBO" AND DRAWING. Registered Feb. 11, 1930. Hover and Veltman, Long Beach, Calif. Renewed Feb. 11, 1950, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. FROZEN CONFECTION. Class 46.

267,375. SALVINOL. Registered Feb. 18, 1930. Florasynth Laboratories Inc., New York, N. Y., a corporation of New York. Renewed Feb. 18, 1950. AROMATIC CHEMICAL SOLVENTS FOR ESSENTIAL OILS, INCLUDING ESTERS, ETC. Class 6.

267,526. LUBIN. Registered Feb. 25, 1930. Lubin Perfumery Corporation, Wilmington, Del., and New York, N. Y. Renewed Feb. 25, 1950, to Lubin Perfumery Corporation, Wilmington, Del., a corporation of Delaware. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, ROUGE, FACE CREAM, LOTION FOR THE SKIN AND HAIR, BATH SALTS, BRILLIANTINE, DENTIFRICES. Class 51.

267,609. MESHETTES. Registered Feb. 25, 1930. Van Raalte Company, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 25, 1950. UNDERWEAR OF KNITTED FABRIC FOR WOMEN AND CHILDREN. Class 39.

267,754. "VALENTINE'S VALSPAR" AND DESIGN LINED FOR BLACK, LAVENDER, BLUE, AND RED. Registered Feb. 25, 1930. Valentine & Company. Renewed Feb. 25, 1950, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. READY-MIXED PAINTS. Class 16.

267,843. FAR-FAMED. Registered Mar. 4, 1930. Italian Food Products Company, Inc. Renewed Mar. 4, 1950, to West Coast Packing Corporation, Long Beach, Calif., a corporation of California. CANNED TUNA. Class 46.

268,173. "SWEETEST OF THE SWEET" AND DRAWING. Registered Mar. 11, 1930. Yuma Mesa Grapefruit Company. Renewed Mar. 11, 1950, to Yuma Mesa Fruit Growers Association, Yuma, Ariz., a corporation of Arizona. FRESH GRAPEFRUIT. Class 46.

268,449. VALENITE. Registered Mar. 18, 1930. Valentine & Company. Renewed Mar. 18, 1950, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. PRIMERS, SURFACERS, AND LACQUERS. Class 16.

268,503. "ANGELUS" AND DRAWING LINED FOR RED, GREEN, AND YELLOW. Registered Mar. 18, 1930. The Cracker Jack Co., Chicago, Ill., a corporation of Illinois. Renewed Mar. 18, 1950. CANDY. Class 46.

268,559. LUCERO. Registered Mar. 18, 1930. Driver-Harris Company, Harrison, N. J., a corporation of New Jersey. Renewed Mar. 18, 1950. RESISTANCE WIRE, RODS, AND STRANDS, RIBBON, STRIPS, AND SHEETS. Class 21.

268,560. MAGNO. Registered Mar. 18, 1930. Driver-Harris Company, Harrison, N. J., a corporation of New Jersey. Renewed Mar. 18, 1950. RESISTANCE WIRE, RODS, AND STRANDS, RIBBON, STRIPS, AND SHEETS. Class 21.

268,569. "JAX" ETC. AND DESIGN. Registered Mar. 18, 1930. The Holtite Manufacturing Company, Baltimore, Md., a corporation of Maryland. Renewed Mar. 18, 1950. ADHESIVE RUBBER CEMENT. Class 5.

269,081. THE COMMERCIAL & FINANCIAL CHRONICLE. Registered Mar. 25, 1930. William B. Dana Company, New York, N. Y., a corporation of New York. Renewed Mar. 25, 1950. PERIODICAL. Class 38.

269,351. "COLORADO RIVER" ETC. AND DRAWING. Registered Apr. 1, 1930. Yuma Mesa Grapefruit Company. Renewed Apr. 1, 1950, to Yuma Mesa Fruit Growers Association, Yuma, Ariz., a corporation of Arizona. FRESH GRAPEFRUIT. Class 46.

269,362. 18 KARAT. Registered Apr. 1, 1930. Gotham Silk Hosiery Company, Inc. Renewed Apr. 1, 1950, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. HOSIERY. Class 39.

269,368. 24 KARAT. Registered Apr. 1, 1930. Gotham Silk Hosiery Company, Inc. Renewed Apr. 1, 1950, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. HOSIERY. Class 39.

269,441. "CORONADO" AND DESIGN. Registered Apr. 8, 1930. Gamble Stores, Incorporated. Renewed Apr. 8, 1950, to Gamble-Skogmo, Inc., Minneapolis, Minn., a corporation of Delaware. RADIO RECEIVING SETS. Class 21.

269,547. VAL-AERO. Registered Apr. 8, 1930. Valentine & Company. Renewed Apr. 8, 1950, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. LACQUER UNDERCOATS AND ENAMELS, BOTH CLEAR AND PIGMENTED; NITRATE DOPE OR CLEAR LACQUER, AND SOLVENT OR LACQUER THINNER. Class 16.

269,601. "AMALGAMATED" ETC. AND DRAWING. Registered Apr. 15, 1930. Amalgamated Leather Companies, Inc., Philadelphia, Pa. Renewed Apr. 15, 1950, to Amalgamated Leather Companies, Inc., Wilmington, Del., a corporation of Delaware. TANNED KID SKINS. Class 1.

269,635. SHINOLA. Registered Apr. 15, 1930. 2 in 1-Shinola-Bixby Corporation. Renewed Apr. 15, 1950, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. SHOE-SHINING KITS, CONSISTING OF WOOL POLISHERS AND DAUBERS. Class 29.

269,668. "SWIFT'S LA PRIMERA" ETC. AND REPRESENTATION OF SMALL BOY. Registered Apr. 15, 1930. Swift and Company. Renewed Apr. 15, 1950, to Swift & Company, Chicago, Ill., a corporation of Illinois. LARD. Class 46.

269,699. DEMON. Registered Apr. 15, 1930. Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 15, 1950. HIGH-TEMPERATURE CEMENT. Class 12.

269,735. PRIDEMARK. Registered Apr. 15, 1930. The Gustave Fox Company. Renewed Apr. 15, 1950, to Fox Company, Cincinnati, Ohio, a corporation of Ohio. METAL NAME PLATES. Class 13.

269,825. "EN-JOIE" ETC. AND SHIELD DESIGN. Registered Apr. 22, 1930. Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York. Renewed Apr. 22, 1950. BOOTS, SHOES, AND SLIPPERS CONSTRUCTED OF LEATHER, RUBBER, AND/OR FABRIC OR ANY COMBINATION THEREOF. Class 39.

269,844. "A. T. CO." AND DRAWING. Registered Apr. 22, 1930. American Tag Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 22, 1950. SHIPPING TAGS. Class 37.

269,848. BANK AND QUOTATION RECORD. Registered Apr. 22, 1930. William B. Dana Company, New York, N. Y., a corporation of New York. Renewed Apr. 22, 1950. PERIODICAL. Class 38.

269,850. MONTHLY EARNINGS RECORD. Registered Apr. 22, 1930. William B. Dana Company, New York, N. Y., a corporation or New York. Renewed Apr. 22, 1950. PERIODICAL. Class 38.

269,890. CONCERT MASTER. Registered Apr. 22, 1930. Armour and Company, Chicago, Ill. Renewed Apr. 22, 1950, to V. C. Squier Company, Battle Creek, Mich., a corporation of Michigan. STRINGS FOR PLUCKED AND HAMMERED MUSICAL INSTRUMENTS. Class 36.

269,973. "GIRL SCOUTS" ETC. AND DESIGN. Registered Apr. 22, 1930. Girl Scouts, New York, N. Y., a corporation of the District of Columbia. Renewed Apr. 22, 1950. SHEARS, SCISSORS, HATCHETS, SHARPENING STEELS, DISH SCRAPERS, AND GOUGES. Class 23.

269,975. BATES. Registered Apr. 22, 1930. The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey. Renewed Apr. 22, 1950. NUMBERING MACHINES. Class 26.

TRADE-MARK REGISTRATIONS CANCELED

118,836. ARROW. Registered Oct. 2, 1917. U. S. Expansion Bolt Co., New York, N. Y. TOGGLE BOLTS. Class 13. Canceled Dec. 16, 1949.

202,638. SOLENE. Registered Sept. 1, 1925. Vacuum Oil Company, New York, N. Y. A MIXTURE OF PETROLEUM OILS USED IN THE MANUFACTURE OF SOLE LEATHER. Class 4. Canceled Jan. 6, 1950.

292,999. US STEEL. Registered Apr. 5, 1932. Universal Atlas Cement Company, Chicago, Ill. BUILDING CEMENT. Class 12. Canceled Jan. 11, 1950.

296,780. US STEEL. Registered Aug. 23, 1932. Tennessee Coal, Iron & Railroad Company, Birmingham, Ala. GROUND OPEN HEARTH BASIC SLAG USED AS A FERTILIZER. Class 10. Canceled Jan. 11, 1950.

307,073. US STEEL. Registered Oct. 10, 1933. National Tube Company, Pittsburgh, Pa. METAL PIPES, TUBES AND CASINGS. Class 13. Canceled Jan. 11, 1950.

380,172. DOWNYFLAKE. Registered Aug. 13, 1940. Doughnut Corporation of America, New York, N. Y. PREPARED FLOUR FOR GINGER BREAD MUFFINS, ETC. Class 46. Canceled Jan. 9, 1950.

380,269. U. S. S. AUSTEMPERED. Registered Aug. 20, 1940. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. SPRINGS FOR GENERAL USE. Class 13. Canceled Jan. 11, 1950.

381,841. U. S. S. AUSTEMPERED. Registered Oct. 8, 1940. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. SPRINGS USED IN TEXTILE MACHINES AND PARTICULARLY GUNLOCK SPRINGS AND TOP SPRINGS. Class 23. Canceled Jan. 11, 1950.

382,104. U. S. S. AUSTEMPERED. Registered Oct. 15, 1940. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. SPRINGS USED IN FIREARMS AND PARTICULARLY CARRIER SPRINGS. Class 9. Canceled Jan. 11, 1950.

383,772. U. S. S. AUSTEMPERED. Registered Dec. 24, 1940. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. SPRINGS USED FOR ELECTRICAL PURPOSES AND PARTICULARLY CONTACT SPRING CLIPS AND SPRING CONTACTS. Class 21. Canceled Jan. 11, 1950.

386,664. USS PANELBILT. Registered Apr. 22, 1941. Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. PREFABRICATED STEEL UNITS FOR ASSEMBLAGE INTO UNITARY STRUCTURES. Class 12. Canceled Jan. 11, 1950.

506,188. DANOLA. Registered Feb. 1, 1949. Peter Jensen, Copenhagen, Denmark. CHEESE. Class 46. Canceled Jan. 9, 1950.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

324,591. SILVER KING. Registered May 21, 1935. The Fate-Root-Heath Company, Plymouth, Ohio. TRACTORS. Class 23. Corrected as follows: In the certificate, line 4, and in the statement, line 3, "Ohio" should be *Delaware*.

420,638. SPORTSMAN. Registered Apr. 23, 1946. John Hudson Moore, Inc., New York, N. Y. TWEEZERS FOR DENTAL, SURGICAL, AND MANICURE PURPOSES, ETC. Class 44. Amended as follows: In the statement, lines 11 and 12, "cuticle knives, corn knives and corn razors," is deleted; and in lines 15 and 16, "levy or manicure knives for scraping finger nails," is deleted.

516,365. MAVRAKOS CANDIES. Registered Oct. 18, 1949. Mavrakos Candy Company, St. Louis, Mo. CANDY. Class 46. Corrected as follows: For the printed declaration, beginning with "John L. Mavrakos" strike out all to and including "January 3, 1919," and insert instead the following:

John L. Mavrakos, being duly sworn, deposes and says that he is the president of Mavrakos Candy Company, the applicant named in the foregoing statement, that he believes that said corporation is the owner of the trademark which has been in substantially exclusive and continuous use for the period of more than five years next preceding the filing of this application in commerce among the several States which may lawfully be regulated by Congress, and that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such trade-mark in commerce which may lawfully be regulated by Congress either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the trade-mark sought to be registered, that the specimens show the trade-mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 122,821, appearing in the OFFICIAL GAZETTE of May 17, 1949, page 734, for "Republished by Frances Citrus Corporation, Santa Ana, Calif., a corporation of California" read *Republished by Frances Citrus Association, Santa Ana, Calif., a corporation of California.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

272,548. ROYAL CANADIAN BREW. Registered July 8, 1930. Royal Canadian Distributing Co. NONALCOHOLIC, CEREAL, MALT BEVERAGES. Class 48. New certificate under section 7(c) issued Feb. 7, 1950, to Eugene A. Lipsey, Chicago, Ill.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 307,924. Registered Nov. 14, 1933. UNITED STATES TRAVELWARE CORPORATION, Fitchburg, Mass., a corporation of Massachusetts. Republished by registrant, present address Manchester, N. H.

"Airway"

FOR SUITCASES.
Claims use since Feb. 16, 1933.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 262,513. Registered Oct. 15, 1929. STEIN, HALL & COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

-COLLOIDITE-

FOR SIZE OR COATING MATERIAL PREPARED FROM STARCH OR STARCH-CONTAINING MATERIALS FOR USE IN PAPER MANUFACTURE.
Claims use since about January 1927.

Reg. No. 262,621. Registered Oct. 15, 1929. STEIN, HALL & COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

RAYGOMM

FOR SIZING PREPARED FROM STARCH OR STARCH-CONTAINING MATERIALS FOR USE IN TREATING ARTIFICIAL SILK OR RAYON.
Claims use since August 1925.

Reg. No. 266,174. Registered Jan. 14, 1930. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Republished by General Dyestuff Corporation, New York, N. Y., a corporation of New York.

Akaustan

FOR SOLUTION FOR RENDERING FIREPROOF TEXTILES OF ALL KINDS.
Claims use since about June 1, 1929.

Reg. No. 266,374. Registered Jan. 14, 1930. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Republished by General Dyestuff Corporation, New York, N. Y., a corporation of New York.

EUNAPHTOL

FOR CHEMICAL PRODUCT TO BE MIXED WITH DYES, DYESTUFFS, OR INTERMEDIATES IN ORDER TO FORM A PASTE.
Claims use since about Jan. 29, 1929.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 384,873. Registered Feb. 4, 1941. THE WIRE AND STEEL PRODUCTS CO., INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"ROYAL"

FOR CORRUGATED JOINT FASTENERS.
Claims use since Aug. 1, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 46,767. Registered Oct. 10, 1905. FINDLAY & BATTLE, New York, N. Y., Richmond, Va., London, England, Paris, France, Montreal, Quebec, Canada, and elsewhere. Republished by Archibald J. Battle, Jr., doing business as Glacier Metal Company, Richmond, Va.

GLACIER

FOR ANTI-FRICTION OR BABBIT METAL.
Claims use since Sept. 19, 1899.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 406,579. Registered Apr. 11, 1944. L. R. PITCHER, doing business as Sta-Off Foot Remedy Company, Los Angeles, Calif. Republished by registrant.

STA-OFF

The outline representation of a foot is disclaimed apart from the mark as shown.

FOR PREPARATION FOR REMOVING CORNS, A PREPARATION USED FOR THE TREATMENT OF BUNIONS, A MEDICINAL PREPARATION USED TO STIMULATE CIRCULATION, DEODORIZE, CLEANSE AND SOFTEN THE SKIN.

Claims use since May 1937.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 326,953. Registered Aug. 13, 1935. HYDE MANUFACTURING COMPANY, Southbridge, Mass., a corporation of Massachusetts. Republished by registrant.

HYD-SPD

FOR STRAIGHT AND CIRCULAR KNIFE BLADES FOR USE ON HAND TOOLS AND FOR MACHINERY.

Claims use since Apr. 16, 1935.

Reg. No. 367,416. Registered May 16, 1939. HYDE MANUFACTURING COMPANY, Southbridge, Mass., a corporation of Massachusetts. Republished by registrant.

HYDITE

FOR PUTTY KNIVES AND SCRAPERS AND SEAM ROLLERS IN THE PAPERHANGING ART.

Claims use since Oct. 15, 1938.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 225,024. Registered Mar. 8, 1927. SOCIETE ANONYME MIDO, Solothurn, Switzerland, a corporation of Switzerland. Republished by registrant, present address Bienne, Switzerland.

MIDO

FOR WATCHES, AND CHRONOMETERS, WATCH MOVEMENTS, WATCH CASES, DIALS AND PARTS OF WATCHES.

Claims use since January 1919.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 267,139. Registered Feb. 11, 1930. GEMEX COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant, present address Union, N. J.

RANGER

FOR WRISTWATCH BRACELETS, WATCH STRAPS; WATCH ATTACHMENTS—NAMELY, WATCH CHAINS, FOBS AND CHARMS; NECK CHAINS, BRACELETS, SCARFPINS, FINGER RINGS, AND BELT BUCKLES; EAR ORNAMENTS, AND HAIR ORNAMENTS MADE OF OR PLATED WITH PRECIOUS METAL.

Claims use since July 15, 1929.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 428,465. Registered Mar. 25, 1947. MORTON SUNDOUR FABRICS LIMITED, Carlisle, England, a corporation organized under the laws of Great Britain. Republished by registrant.

SUNDOUR

FOR FURNITURE SLIP-OVERS AND OTHER FURNITURE COVERS.

Claims use since July 20, 1909.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 377,606. Registered May 7, 1940. ABEL SALES CORPORATION, Columbus, Ohio. Republished by The Abel Corporation, Columbus, Ohio, a corporation of Ohio.

senator

FOR AUTOMOBILE PNEUMATIC TIRES AND TUBES.

Claims use since Sept. 15, 1939.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 74,959. Registered Aug. 24, 1909. THE AEOLIAN COMPANY, New York, N. Y. Republished by Aeolian American Corporation, New York, N. Y., a corporation of New York.

Wheelock. NEW YORK

FOR PIANOS.

Claims use since 1877.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 190,692. Registered Oct. 21, 1924. THOMSEN-ELLIS COMPANY, Baltimore, Md. Republished by Thomsen-Ellis-Hutton Company, Baltimore, Md., a corporation of Maryland.

TYPOGRAVURE

FOR REPRODUCTIONS OF PICTURES, PHOTOGRAPHS, DRAWINGS AND ANY OTHER SUBJECT SUITABLE FOR ILLUSTRATIONS IN BOOKS, CATALOGUES, AND PAMPHLETS OR FOR SEPARATE ILLUSTRATIONS FOR CALENDARS OR OTHER PURPOSES IN THE GENERAL PRINTING BUSINESS.

Claims use since Jan. 2, 1924.

Reg. No. 410,499. Registered Nov. 28, 1944. THOMSEN-ELLIS-HUTTON COMPANY, Baltimore, Md., a corporation of Maryland. Republished by registrant.

Pridemark

FOR PRINTED MATERIAL SOLD AS SUCH—NAMELY, ANNOUNCEMENTS, BOOKS, BOOKLETS, CALENDARS, CATALOGUES, CARDS, CHARTS, CIRCULARS, MENUS, MAPS, PROGRAMS, PICTORIAL PRINTS, PAMPHLETS, ALL BEING PRINTED EITHER FROM TYPES, PLATES, BLOCKS OR STONES.

Claims use since Oct. 1, 1913.

CLASS 39

CLOTHING

Reg. No. 75,370. Registered Sept. 28, 1909. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



FOR HOSIERY, LADIES' MUSLIN UNDERWEAR, NIGHTGOWNS, AND PAJAMAS.

Claims use since June 1, 1906.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 33,744. Registered Nov. 14, 1899. THE AMERICAN SUGAR REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

EAGLE



FOR SUGAR OF COMMERCE, NOT GRAPE-SUGAR OR GLUCOSE.

Claims use since Aug. 1, 1899.

Reg. No. 33,745. Registered Nov. 14, 1899. THE AMERICAN SUGAR REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

EAGLE BRAND

FOR SUGAR OF COMMERCE, NOT GRAPE-SUGAR OR GLUCOSE.

Claims use since Aug. 1, 1899.

Reg. No. 56,704. Registered Oct. 16, 1906. A. F. MACLAREN IMPERIAL CHEESE CO., LIMITED, Toronto, Ontario, Canada. Republished by Kraft Foods Company, Chicago, Ill., a corporation of Delaware.

MACLAREN'S IMPERIAL CHEESE

FOR CHEESE.

Claims use since Dec. 18, 1891.

Reg. No. 188,491. Registered Aug. 26, 1924. C. EDWIN GHEENS, doing business as Bradas & Gheens, Louisville, Ky. Republished by Bradas & Gheens, Incorporated, Louisville, Ky., a corporation of Kentucky.

Dissie

FOR CANDIES.

Claims use since June 1, 1899.

Reg. No. 211,890. Registered Apr. 20, 1926. GILLETT CANNING COMPANY, Gillett, Wis., a corporation of Wisconsin. Republished by registrant.

WISCONSIN'S PRIDE

The term "Wisconsin's" is disclaimed apart from the mark as shown.

FOR CANNED PEAS, BEANS AND BEETS.

Claims use since May 15, 1911.

Reg. No. 224,359. Registered Feb. 22, 1927. CHAPMAN ORCHARDS, Fullerton and Lindsay, Calif. Republished by Placentia Orchard Company, Fullerton, Calif., a corporation of California.

GOLD COAST

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.

Claims use since Apr. 21, 1925.

Reg. No. 261,360. Registered Sept. 17, 1929. THE SEARS & NICHOLS CORPORATION, doing business as The Scioto Canning Co., Chillicothe, Ohio. Republished by United Foods, Inc., Chicago, Ill., a corporation of Delaware.

SUPERBA

FOR CANNED VEGETABLES.

Claims use since 1899.

Reg. No. 299,473. Registered Dec. 6, 1932. THE VAN ROOY COFFEE COMPANY, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The words "Sun-Cured" and "Coffee" are disclaimed apart from the mark as shown. The drawing is lined for red, yellow and blue.

FOR COFFEE.

Claims use since Apr. 9, 1930.

Reg. No. 339,179. Registered Sept. 29, 1936. THE SHOTWELL MANUFACTURING CO., Chicago, Ill. Republished by The Shotwell Mfg. Co., Chicago, Ill., a corporation of Illinois.

Pillow-Soft

The word "Soft" is disclaimed apart from the mark as shown.

FOR CANDY—NAMELY, MARSHMALLOWS.

Claims use since Jan. 2, 1936.

Reg. No. 411,843. Registered Feb. 6, 1945. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass., a corporation of Massachusetts. Republished by registrant.

Gorton's

FOR CANNED FISH, SALT FISH, SMOKED FISH, AND SPICED FISH.

Claims use since 1875.

Reg. No. 419,663. Registered Feb. 26, 1946. PRICE CANDY COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.

Annaclairs

FOR CANDY.

Claims use since Mar. 2, 1942.

Reg. No. 432,057. Registered Aug. 19, 1947. WADDELL AND SON, Lindsay, Calif. Republished by Waddell and Son, a trust, composed of Mrs. Agnes H. Waddell, George H. Waddell, Jr., and S. W. Peterson, trustees, Lindsay, Calif.



The word "Golden" is disclaimed apart from the mark as shown.

FOR FRESH CITRUS FRUITS.

Claims use since May 5, 1945.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 406,579. Registered Apr. 11, 1944. L. R. PITCHER, doing business as Sta-Off Foot Remedy Company, Los Angeles, Calif. Republished by registrant.



The outline representation of a foot is disclaimed apart from the mark as shown.

FOR PREPARATION FOR REMOVING CORNS, A PREPARATION USED FOR TRE TREATMENT OF BUNIONS, A MEDICINAL PREPARATION USED TO STIMULATE CIRCULATION, DEODORIZE, CLEANSE AND SOFTEN THE SKIN.

Claims use since May 1937.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 399,820. Registered Feb. 2, 1943. ANTHONY DI FRANCES, Milwaukee, Wis. Republished by registrant.

Once Over

FOR SEMILIQUID CLEANER FOR FLOORS, WALLS, AND THE LIKE.

Claims use since Mar. 29, 1942.

REISSUES

FEBRUARY 7, 1950

23,195

METHOD OF STERILIZING AND PRESERVING

Arno Brasch, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,456,909, dated December 21, 1948, Serial No. 700,167, September 28, 1946. Application for reissue July 20, 1949, Serial No. 105,911

17 Claims. (Cl. 21—54)

1. Method of sterilizing a substance [, such as a foodstuff or a drug,] without developing harmful side effects by bombarding the same with high speed electrons of a velocity equivalent to more than one million volts during at least one very short time period lasting less than 10^{-4} of a second.

23,196

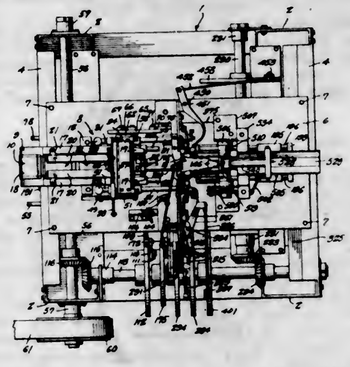
BAG STRINGING MACHINE AND METHOD

Bertie C. Golden, Richmond, Va., assignor to Millhiser Bag Company, Inc., Richmond, Va., a corporation of Virginia

Original No. 2,296,783, dated September 22, 1942, Serial No. 346,645, July 20, 1940. Application for reissue April 5, 1946, Serial No. 659,709

96 Claims. (Cl. 112—2)

70. A machine of the character described including a frame and comprising a bag holder having movable hem gripping means thereon adapted to grip the hems of a bag for supporting and positioning said bag for stringing, a bag feeding carriage for feeding hemmed bags into the gripping means on said bag holder, means engageable with said gripping means for moving the same to vertically closed gripping position on the bag hems, means movably mounted on the frame and movable between said gripping means for engaging the bag gripped by said



gripping means for turning said hemmed bags right side out on said bag holder preliminary to stringing the bag, said gripping means being rotatable about a vertical axis and being shorter than the bag is long, and means for stringing the reversed bags while supported by said hem gripping means.

PLANT PATENTS

GRANTED FEBRUARY 7, 1950

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

919

CARNATION PLANT

George W. Bender, Jr., Wyndmoor, Pa.

Application March 4, 1949, Serial No. 79,692

1 Claim. (Cl. 47—60)

A new and distinct variety of carnation plant, characterized as to novelty primarily by its non-fading crimson-red color of pure even tone, uniformly spread over the visible portion of the petal and extending over half way on the shank, and free from black tips, combined with the habit of vigorous growth, productivity, and disease resistance, substantially as shown and described.

920

PEACH TREE

William T. Kirkman, Jr., Tracy, Calif., assignor to Kirkman Corporation, Tracy, Calif., a corporation of California

Application December 8, 1947, Serial No. 790,333

1 Claim. (Cl. 47—62)

The new and distinct variety of peach tree, as described and illustrated, characterized, in comparison with the Kirkman Gem, by the later ripening period of the fruit; the ability of its ripened fruit to remain on the tree a considerable length of time without spoiling; the yellow suture line which ripens evenly with the fruit as distinguished from the deep reddish early ripening suture line of the Kirkman Gem; and the greater vigor of the tree.

921

ROSE PLANT

Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California

Application January 31, 1949, Serial No. 73,761

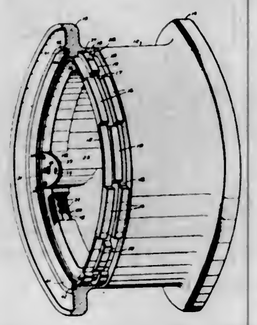
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by its very free and continuous blooming habits and its abundant quantity of flowers borne singly to a stem; and the unique and distinct form and pink color of the bud and open flowers which make this rose variety particularly adapted for both garden decoration and cut flower purposes, substantially as shown and described.

PATENTS

GRANTED FEBRUARY 7, 1950

2,496,256
SEPARABLE RIM
Joseph Babin, Lutcher, La., assignor of one-third to Cecil E. Bassett, Baton Rouge, La.
Application March 9, 1948, Serial No. 13,834
4 Claims. (Cl. 152—412)



1. A vehicle wheel comprising a cylindrical barrel and a tire-retaining member axially separable therefrom, said member being characterized by a cylindrical surface adapted to slidingly engage a complementary cylindrical surface on the barrel and by a protuberance projecting radially from said first surface adjacent an end thereof, an annular slot in said second surface, a ring circumferentially movable in said slot, a radial projection on said ring adapted to engage the surface of said protuberance opposite said end, and mechanism for shifting said ring circumferentially to effect such engagement.

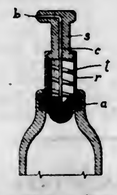
2,496,257
TORCH IGNITER
Selik Bachrach, Buenos Aires, Argentina
Application August 11, 1948, Serial No. 43,563
4 Claims. (Cl. 67—7.1)

1. A pocket lighter assembly comprising a container, a flint-bearing unit threadedly connected to and extending into said container, and an actuator and torch unit axially movable relative to the container and flint-bearing unit to thereby produce a lighted torch activity of the torch unit by bodily withdrawal of the actuator and torch unit from the assembly, said container having a closed lower end and an open upper end with the latter threaded, the lower interior zone of the container containing an absorbent filling for inflammable fluid, said flint-bearing unit having its body formed with an open-ended axial bore the wall of which includes spaced parallel longitudinally extending and closed-end slots radiating from the bore with the wall periphery above the slotted zone formed with a thread zone for removable connection with the container and a head zone above the thread zone and having a bore enlargement therein, each slot having an individual flint member mounted therein with the member carried by an external mounting individual to the member with the latter having a radial thickness greater than the bore wall thickness to thereby extend into exposed position within the bore, said unit including an expansible sleeve overlying the member mounts within the container and with the sleeve expansible within and relative to the container wall, said actuator unit including a body portion having an axial bore and having an enlarged head zone with the latter including a portion fitting the enlarged bore zone of the flint-bearing unit, said body portion having its lower end equipped with



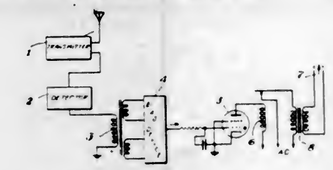
a conical actuator head, said bore containing a wick element leading from the head zone with its free end projecting beyond the conical head, the length of the body portion being such that when the unit is in assembled position the conical head and projected wick portion will extend into the container absorbent filling to thereby impregnate the exposed wick with the inflammable fluid, said assembly being rendered active to light the wick by rapid withdrawal of the actuating unit to thereby produce the lighting sparks by the movement of the conical head over the flint member zone in presence of the pressure provided by the sleeve of the flint-bearing unit.

2,496,258
CONTAINER WITH CLOSURE AND CLOSURE PUNCTURING DISPENSING SPOUT
Philip Alexander, New York, N. Y., assignor to Prel Inc., a corporation of New Jersey
Application March 22, 1946, Serial No. 656,237
1 Claim. (Cl. 222—82)



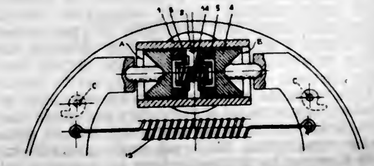
In a device for dispensing fluids under pressure, and in combination, a container having a neck with a discharge opening therein, a shoulder formed in said opening, a soft resilient plastic self-sealing element in said discharge opening, and a dispensing device comprising a manually operable slidable member having a discharge orifice and a tubular piercing element adapted to penetrate said sealing element to connect the interior of said container to said orifice, a housing for said slidable member having a peripheral flange, said flange and said sealing element being held in compressing relation to each other and to said shoulder by the turned in rim of the neck of said container, and a spring in said housing for urging said slidable member to retract said piercing element from said sealing element.

2,496,259
MONITORING CIRCUIT
John F. Bachmann, Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 21, 1946, Serial No. 711,457
10 Claims. (Cl. 250—17)



1. A monitoring system for producing a certain output voltage when the carrier and modulation voltage waves in a modulated carrier are of abnormal value, comprising: a monitoring signal output channel, a source of monitoring signal voltage, relay means for coupling said source with said output channel, a detector device coupled with a source of modulated carrier voltage, and relay actuating means coupled with the output of said detector device and connected to operate said relay means, biasing means comprising a first circuit responsive to modulated carrier voltage for producing a first control voltage linearly variable with the average modulation intensity of said waves and a second circuit responsive to modulated carrier voltage for producing a second control voltage linearly variable with the carrier intensity up to a given carrier intensity and then substantially constant above said given carrier intensity, means for combining said first and second control voltages differentially, said relay means responsive to said differentially combined voltages.

2,496,260
WHEEL CYLINDER
Philip Sidney Baldwin, Florence, Italy
Original application February 10, 1942, Serial No. 430,296, now Patent No. 2,444,181, dated June 29, 1948. Divided and this application July 24, 1947, Serial No. 763,368. In Italy March 24, 1942
9 Claims. (Cl. 309—23)



1. An hydraulic motor cylinder and a piston movable therein, an elastic sealing ring for the piston and a thrust member for the ring, mechanical means for supporting said ring between the piston and thrust member, the ring having a mean external diameter which is less than the diameter of the cylinder bore, the ring being freely mounted and yieldably supported between the piston and the thrust member by axial mechanical pressure and being unattached to the said piston and thrust member, the ring being subjected to axial and radial hydraulic pressure and being free to expand and contract during its reciprocal movements in the cylinder with the piston and thrust members.

2,496,261
PREPARATION OF BETA-AMYLASE FROM SWEET POTATOES
Arnold K. Balls and Mayo K. Walden, Berkeley, and Robert R. Thompson, Albany, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application October 18, 1946, Serial No. 703,972
6 Claims. (Cl. 195—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a process of preparing crystalline beta-amylase from the juice of sweet potatoes, the steps comprising clarifying the juice with lead acetate, precipitating the enzyme and protein by partial saturation of the clarified juice with ammonium sulfate, dialyzing the precipitate against water to remove the sulfate, acidifying the dialyzate and removing the precipitate formed, partially saturating the solution with ammonium sulfate to about quarter saturation at about pH 4 and removing the precipitate, the beta-amylase remaining in solution, adding more ammonium sulfate to precipitate the beta-amylase, redissolving the precipitate in water, and adding ammonium sulfate to precipitate the beta-amylase crystals.

2,496,262
JAR LID WRENCH
William Barclay, Richmond, Calif.
Application December 19, 1947, Serial No. 792,780
1 Claim. (Cl. 81—3.44)



A jar lid wrench, comprising an elongated flat handle, an arcuate jaw formed integral with the handle and disposed at the forward end of the handle and projecting laterally outwardly upon opposite sides of the handle, the forward edge of the arcuate jaw having teeth to coact with corrugations on the side of the jaw lid, the handle being provided longitudinally rearwardly of the arcuate jaw with an elongated straight longitudinal slot and a plurality of relatively short

transverse arcuate slots crossing the longitudinal slot and intersecting the same, the transverse arcuate slots being spaced apart longitudinally and being substantially concentric with the arcuate jaw, the transverse arcuate slots extending laterally outwardly upon opposite sides of the longitudinal slot, an elongated straight link slidably mounted upon one side of the handle, a bolt secured to the link and extending through the slots of the handle for pivotally connecting the link and handle, the link extending forwardly of the arcuate jaw for a substantial distance and rearwardly of the longitudinal slot of the handle, a pivot pin secured to the forward end of the link, and a forward companion arcuate jaw pivotally mounted upon the pin and extending laterally upon opposite sides of the link, the inner edge of the forward arcuate jaw having teeth to coact with the corrugations of the jaw lid, the bolt secured to the link being shiftable in the longitudinal slot and transverse arcuate slots.

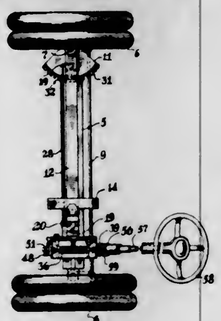
2,496,263

STEERING APPARATUS FOR AUTOMOBILES

John C. Bartho, New York, N. Y., assignor of one-half to John Haranis, Astoria, N. Y.

Application December 8, 1947, Serial No. 790,421

8 Claims. (Cl. 280—96)



2. In steering mechanism for automobiles, in combination, a hand steering wheel, upper, lower and intermediate worm members disposed in alignment and operatively connected to the steering wheel for rotation thereby, said upper and lower worm members being rotatable in the same direction and at the same speed and said intermediate worm member being rotatable in the opposite direction and at a greater speed than the other worm members, a gear segment, a pair of pivoted lever bars, the individual lever bars of said pair being disposed on different levels, a pivoted head member on one end of the upper lever bar, a tooth carried by said head member adapted to ride either in the groove in the upper worm member or in the groove in the intermediate worm member, a rod disposed alongside of said upper lever bar having one end connected to said head member, a pivoted head member on one end of the lower lever bar, a tooth carried by said latter head member adapted to ride either in the groove in the lower worm member or in the groove in the intermediate worm member, a rod disposed alongside of said lower lever bar having one end connected to said latter head member and a hooked end on the opposite end of each of said rods for selectively and detachably connecting the opposite ends of the lever bars with said gear segment for moving the latter, and front road steering wheels operatively connected to said gear segment.

2,496,264

TELESCOPING STRUCTURE

George O. Benson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York

Application July 26, 1945, Serial No. 607,214

11 Claims. (Cl. 287—58)



1. A telescopic structure, comprising inner and outer slidably and rotatably interfitted tubes having body portions providing between them a longitudinally extending chamber which surrounds one end of said inner tube, a tubular end sleeve for the body portion of said outer tube and of reduced internal diameter to fit the body portion of said inner tube, means connecting said tubular end sleeve with said body portion of said outer tube and providing an internal annular shoulder in said outer tube at the corresponding end of said chamber, and a member projecting laterally outwardly from said one end of said inner tube into said chamber, said shoulder and tubular end sleeve being recessed to receive said projecting member and releasably support said inner tube in an extended position.

2,496,265

HYDROCARBON SYNTHESIS PROCESS

Julius P. Billsoly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 25, 1944, Serial No. 546,583

12 Claims. (Cl. 260—449.6)

1. A process for the production of normally liquid hydrocarbons which comprises reacting carbon monoxide and hydrogen in the presence of a fluidized mass of subdivided catalyst comprising essentially a metal of the eighth group of the periodic system which is an active catalyst for the synthesis of liquid hydrocarbons and promotional amounts of a difficultly reducible metal oxide, both constituents being associated with a carrier comprising silica gel, said catalytic mass being formed by impregnating in aqueous solution a hydrous oxide of silicon in jelly form with a major portion of a water-soluble metal salt, wherein the metal is an active catalyst for the synthesis of liquid hydrocarbons and of the eighth group of the periodic system, and a minor portion of a water-soluble metal salt wherein the metal forms a difficultly reducible metal oxide, said salts being capable of thermal decomposition to metal oxides, draining and drying the resultant impregnated jelly, heating said jelly only sufficiently to convert the said difficultly reducible metal salt to the corresponding oxide, sizing the product to a fluidizable particle size and reducing the metal oxide of the eighth group to the free metal.

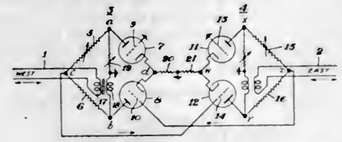
2,496,266

TWO-WAY AMPLIFIER FOR ELIMINATING OPPOSITELY DIRECTED SIGNALS

George E. Brode, Newark, and Hayes B. Steinhauser, Montclair, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 18, 1947, Serial No. 786,728

6 Claims. (Cl. 179—170)



2. A two-way amplifier comprising a first and a second Wheatstone bridge, each bridge having an amplifying tube in each of two adjacent arms and balancing impedance elements in the remaining arms, a two-way signal circuit coupled across the diagonal of each bridge defined by the apices between the tubes and impedance elements, the other diagonal of each bridge being coupled across the input of one tube of the opposite bridge.

2,496,267

SOLUTION OF ACRYLONITRILE POLYMERS

David W. Chaney, Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 5, 1948, Serial No. 19,153

4 Claims. (Cl. 260—32.4)

1. As a new composition of matter, a copolymer of acrylonitrile and vinyl acetate containing in the polymer molecule from 65 to 80 mol per cent of acrylonitrile and the balance vinyl acetate, dissolved in acetonitrile.

2,496,268

ADJUSTABLE MEASURING RECEPTACLE

Frank R. Chester, Santa Monica, Calif.

Application March 14, 1945, Serial No. 582,725

2 Claims. (Cl. 73—429)



2. In a device of the class described, an elongated open top receptacle having a handle extending from the upper portion of one end and positioned in alignment with the receptacle, and a stop having a shank, said shank being folded from the upper side to the bottom side of the handle and slidably mounted thereon, the stop extending downwardly from the shank into and conforming with the sides of the receptacle, the portion of said shank folded under the handle being provided with longitudinally spaced recesses, and said handle having a resilient finger extending longitudinally with respect thereto, the free end of the finger having a pawl portion adapted to enter one of the recesses.

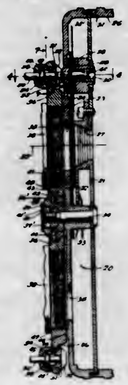
2,496,269

INDEXING DETENT MEANS FOR OPTICAL LENS TURRETS

Irving Ciaski, Schiller Park, Ill., assignor to Ampro Corporation, Chicago, Ill., a corporation of Illinois

Application August 2, 1946, Serial No. 687,922

7 Claims. (Cl. 88—57)



1. An indexing detent assembly for a turret that is mounted on a support and carries a mount for an optical element that is movable by rotation of the turret into and out of a position registering with a cooperative element of an optical system, said assembly comprising a detent member mounted on the support and movable between a locking position projecting in the direction of the turret and a withdrawn releasing position and a spring urging said member toward its locking position, a cooperating keeper carried by the turret and projecting toward the support, said keeper having a recess located to engage the detent member when the mount is in its registering position and arranged to lock the turret against rotation when the detent member is so engaged, said keeper having an external camming surface inclined in the direction of movement of the keeper as the mount approaches its registering position for moving the detent member to its releasing position during such approach, and manually operable means carried by the turret for disengaging the detent member from said recess.

2,496,270

SKIN DRESSINGS WITH FUGITIVE COLORS

Myron A. Coler, New York, N. Y., assignor to Synergistics, Inc., New York, N. Y., a corporation of New York

No Drawing. Application February 9, 1946, Serial No. 646,707

3 Claims. (Cl. 167—22)

1. A normally colorless liquid insect repellent composition adapted for application on human skin comprising an insect repellent in combination with a mixture of phenolphthalein and an alkaline agent, said mixture imparting to said composition a red color contrasting with that of

human skin thereby to facilitate application of said composition on human skin and said mixture being adapted to lose rapidly its color-imparting role through exposure to the atmosphere when said composition is applied on human skin.

2,496,271

ALLYL ESTERS OF CYCLOHEXYL SUBSTITUTED SUCCINIC ACIDS

Jack Andrews Cottrell, Donald Helmsley Hewitt, and Frank Armitage, Homerton, London, England; Ernest Booth and Richard Hartlebury Buckle, both of London, England, executors of said Hewitt, deceased, assignors, by mesne assignments to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 13, 1946, Serial No. 662,096. In Great Britain April 17, 1945
4 Claims. (Cl. 260—468)

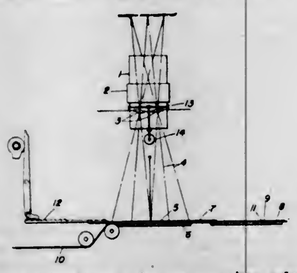
1. A monomeric polymerizable ester of an alcohol of the class consisting of allyl and methallyl alcohols and a Diels-Alder condensation compound of the type obtained by reacting a compound of the class consisting of maleic acid, maleic anhydride and lower alkyl esters of maleic acid and a conjugated monocyclic terpene.

2,496,272

APPARATUS FOR THE DUPLICATING OF INDEX CARDS AND THE LIKE FOR CROSS FILING PURPOSES

Ira B. Current, United States Navy

Application December 27, 1945, Serial No. 637,477
2 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a frame member adapted to support a subject to be photographed, an element having a light-sensitive surface suitably supported in spaced relation to said frame member, optical means adapted to project two identical unreversed images of said subject on said light-sensitive surface, and an opaque masking device, said opaque masking device having a central aperture of the size of one of said images and being movably supported between said optical means and said light-sensitive surface and disposed to mask a selected portion of said images.

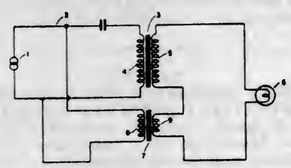
2,496,273

EXCITER LAMP OPERATION

Richard C. Curtis, Short Hills, N. J., and Stephen J. Martin, Long Island City, N. Y., assignors to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application October 21, 1946, Serial No. 704,704
3 Claims. (Cl. 315—279)

1. A circuit for providing substantially constant light output from a lamp operated from a source of alternating current which includes, in combination, a lamp having substantial thermal inertia, an alternating current transformer having at least a primary and a secondary and capable of considerable current saturation, con-



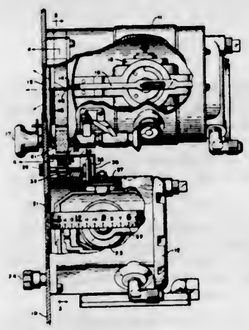
nections between a source of alternating current and said primary including an electrical capacitor in series to limit the primary current and connections between said secondary and said lamp to provide a flattened current wave to said lamp.

2,496,274

AIRCRAFT INSTRUMENT

Luis de Florez, United States Navy

Application April 18, 1945, Serial No. 589,004
6 Claims. (Cl. 33—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In an aircraft instrument, the combination of a dial, an artificial horizon having at least one reflecting surface, a light source, means for projecting light rays from the source to said horizon from whence they are reflected to the dial, gyro means responsive to movement of the aircraft about its longitudinal axis for effecting a corresponding rotary movement of said horizon with respect to the dial, said gyro means being responsive to movement of the aircraft about its horizontal transverse axis to effect a vertical movement of the horizon with respect to the dial, means for interrupting the light rays, to produce a series of light and dark areas on the dial alongside of said horizon, and a gyroscope for actuating said interrupting means to simulate a moving landscape when the aircraft turns, all three conditions of the actual horizon being thus indicated upon the dial.

2,496,275

POLYMERS AND COPOLYMERS OF UNSATURATED AMIDES

Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 17, 1945, Serial No. 611,241
10 Claims. (Cl. 260—78.5)

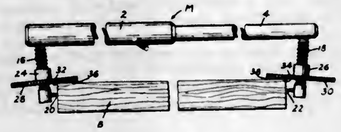
1. The copolymer of the vinyl ester of maleamic acid and vinyl acetate the vinyl ester of maleamic acid constituting at least 20% of the mixture from which the copolymer was formed.

2,496,276

ARTIST'S MAULSTICK

Michael Dolas, New York, N. Y.

Application November 21, 1946, Serial No. 711,447
3 Claims. (Cl. 41—4)



1. As an article of manufacture, a device comprising two elongated members in telescopic relation and slidably mounted relative to each other, tension means engaging said elongated members for urging them endwise relative to each other, members extending laterally from the opposite ends of the elongated members provided with pointed elements, said tension means acting to urge the pointed elements toward each other into contact with the sides of a support on which the device is to be mounted, and means on said laterally extending members movable for engagement with the surface of the support.

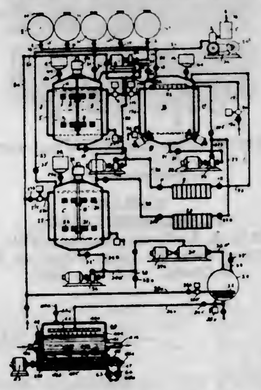
2,496,277

APPARATUS FOR PRODUCING A STABILIZED VITAMIN COMPOUND

Russell P. Dunmire, Orange, Ohio, assignor to Nutrition Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application February 15, 1944, Serial No. 522,515
3 Claims. (Cl. 23—260)

1. In apparatus of the class described, the combination with a plurality of liquid holding tanks, an autoclave, valve controlled transfer connections between each of said tanks and said autoclave for supplying liquid thereto, a source of supply for a catalytic material connected to said autoclave, means for heating said autoclave, an evacuating means connected with said autoclave, means in said autoclave for agitating the materials supplied thereto during operation of said evacuating means, a valve controlled source of supply of material in the gaseous phase connected to said autoclave, a circulation system for the liquid and gaseous materials between the bottom and top portions of said autoclave, including a pump for circulating the materials, to effect contact thereof with the catalytic material, a separate autoclave, valve controlled liquid transfer connections between each of said tanks and said separate autoclave, separate valve controlled connections between said first mentioned autoclave and said separate autoclave through which the treated materials flow to the latter autoclave, an auxiliary source of solid material supply connected to said separate autoclave, means for heating said separate autoclave, means in said separate autoclave for agitating and mixing the materials supplied thereto, a valve controlled connection between said separate autoclave and said evacuating means, a mill for con-



verting the solid material into colloidal form and dispersing it in and throughout the body of the liquid, valve controlled transfer connections between said separate autoclave and the inlet of said mill, a discharge pipe leading from the outlet of said mill, and a storage tank to which said discharge pipe is connected.

2,496,278

PROCESS OF DRYING FRUIT OR VEGETABLE MATERIALS CONTAINING ADDED METHYL CELLULOSE

Clyde W. Eddy, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application May 18, 1944, Serial No. 536,227
6 Claims. (Cl. 99—206)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the process of preparing free-flowing powders, flakes, and granules by drying fruit and vegetable juices, concentrates, pulps, purees, the step which comprises adding methyl cellulose as a drying aid to the material to be processed and then drying the combined methyl cellulose and material.

2,496,279

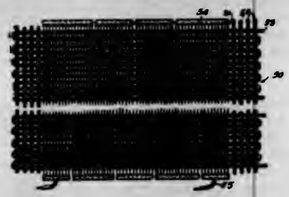
FLEXIBLE ELECTRIC HEATER FOR DEICING AIRFOILS

Robert S. Ely, Westbury, and Irving M. Ketcham, Roslyn Heights, N. Y., assignors, by mesne assignments, to Safeway Heat Elements, Inc., New York, N. Y., a corporation of Delaware

Application February 10, 1945, Serial No. 577,232
3 Claims. (Cl. 219—19)

3. A flexible heating element for heating the leading edge of an airfoil, said element comprising a woven fabric encased in a protective covering, the warp of said fabric running parallel to said airfoil edge and consisting of a plurality of resistor wires, and the woof consisting of heat resisting dielectric material, said resistor wires being grouped with the ends of each group being connected and with each group connected to the adjacent group, a conducting element connected

to each of the outside groups whereby the heat intensity developed in said groups will vary in



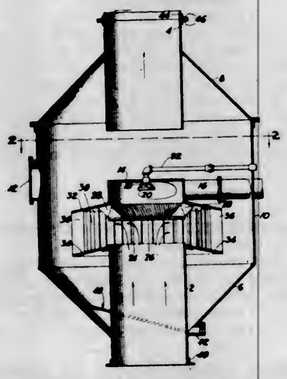
inverse proportion to the number of wires in each group.

2,496,280
PLASTERER'S TOOL
Claude A. Endicott, Cottage Hills, Ill.
Application June 29, 1944, Serial No. 542,642
1 Claim. (Cl. 30—169)



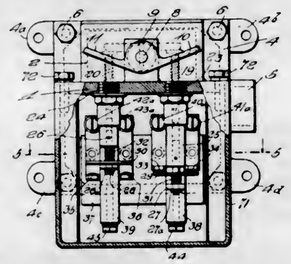
A plasterer's tool, comprising a metallic rod having spaced bulbous portions thereon, providing a gripping handle therebetween, said rod merging into an integral shank consisting of a flattened portion of gradually increasing width and decreasing thickness progressively from said handle, and terminating in an integral, perpendicular portion having a bevelled scraping edge extending in a plane transverse to the axis of said rod.

2,496,281
FLY ASH AND DUST COLLECTOR
Ernest F. Fisher, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application July 12, 1944, Serial No. 544,554
13 Claims. (Cl. 183—22)



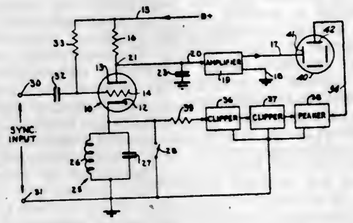
1. A collector of the character described comprising a vertically extending tubular conduit adapted to have dust laden gas flow upwards therethrough, a vertically elongated casing of materially greater maximum width than the conduit, having the lower end thereof extending around the conduit and connected to the latter at a point beneath the upper end thereof and its upper end provided with an outlet, an inverted cup shaped member disposed within the central portion of the casing and above and in alignment with the conduit, provided with an open bottom, and embodying a top wall and a continuous side wall depending from the top wall and defining therewith an air chamber, a pipe extending into the casing, having the inner end thereof leading through, and extending tangentially with respect to, the side wall of said member and its outer end adapted for connection to a source of clean air under pressure, and serving to introduce the clean air under pressure into the air chamber so that it is caused to swirl therein, a horizontally disposed deflector plate positioned between, and in spaced relation with, the open bottom of the member and the upper end of the conduit and adapted to cause the dust laden gas emanating from said conduit and the swirling clean air under pressure emanating from said open bottom of the member to be deflected outwards towards the casing and in such manner that they mix together, and a continuous series of vertical angularly positioned vanes extending between the margin of the deflector plate and the lower end of the side wall of the member and arranged so as to augment swirling of the clean air under pressure as it flows outwards from the deflector plate preparatory to mixing with the dust laden gas.

2,496,282
RECIPROCATING CONTACT SWITCH
Joseph F. Frese, Baltimore, Md., assignor to The Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application August 30, 1945, Serial No. 613,624
5 Claims. (Cl. 200—16)



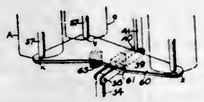
1. An oil switch comprising a casing including a wall member and an attachable cover member therefor, a pair of depressible plunger members removably mounted on said wall members, conductive disc-like members carried by each of said plunger members, a pair of panels of insulation material detachably mounted on said wall member in spacial relation to said plunger members, said panels having insulated projections thereon, extending in planes substantially normal to the planes of said panels, sets of contacts supported with respect to said wall member on opposite sides of the projections on said panel members in the path of said conductive disc-like members, yieldable means associated with said conductive disc-like members and with said plunger members, and means for selectively and alternately displacing said plunger members and conductive disc-like members with respect to said sets of contacts for selectively shunting or disconnecting the respective sets of contacts.

2,496,283
ELECTRONIC GENERATOR CIRCUIT
James E. Gall, Washington, D. C.
Application July 14, 1945, Serial No. 605,158
9 Claims. (Cl. 315—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



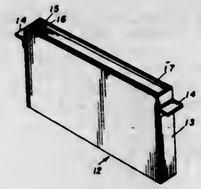
1. In an indicating system of the class described, a circuit for performing the combined functions of a sweep generator and a range-marker generator comprising an electron-discharge device having a cathode, an anode and a control electrode, an input circuit for applying a control pulse to said control electrode, circuit means coupled to the anode circuit of said tube for producing a sweep potential in synchronism with said control pulse, and a circuit connected in a cathode circuit of said tube resonant at a predetermined frequency for producing in synchronism with said control pulse a plurality of oscillations during the period of said sweep potential.

2,496,284
CONTROL APPARATUS
Sidney Lockwood Gillespie, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application May 3, 1945, Serial No. 591,809
2 Claims. (Cl. 318—27)



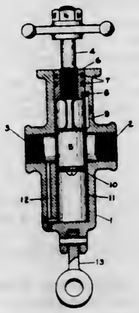
2. A servo control system comprising, three solenoids having armatures movable through strokes of substantially equal lengths, a rigid triangle mounted for bodily floating movement and having its three corners connected to the respective solenoid armatures so as to be moved in the same direction in response to energization of the individual solenoids, a device for controlling the energization of a servo and having a movable part, means connecting said part to said triangle at a point within the latter spaced different distances from the three respective sides of the triangle, two of which distances are different whole multiples of the third and shortest distance, and a return spring acting on said triangle in opposition to said solenoids and at a single second point disposed within the triangle defined by such point and the side of said first triangle which is spaced farthest from said first point.

2,496,285
FEEDER FOR HONEYBEES
Wilbur O. Goebel, Knoxville, Iowa
Application July 31, 1947, Serial No. 765,170
2 Claims. (Cl. 6—5)



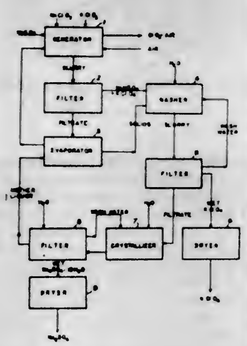
1. A bee feeder for use in standard-type hives comprising a substantially rectangular open-top metal tank, the interior surfaces of opposed longitudinal walls of said tank being roughened for convenient bee scaling and climbing, said tank being provided at opposite ends with outstanding supporting clips, said tank being provided on its interior with a hook, and a non-absorbent float swingably mounted at one end on said hook and confined within the space provided by the walls of said tank.

2,496,286
AIR CONTROL VALVE
Joshua H. Goldman, United States Navy
Application April 24, 1945, Serial No. 590,095
2 Claims. (Cl. 251—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a valve assembly designed for use on a diving suit, a casing having a straight tubular chamber provided with transversely aligned inlet and outlet ports between its ends, one of said ends being in constant communication with said outlet port but otherwise being closed, and its other end being fully open; a piston type valve slidable axially of said chamber and of sufficient length to close said ports when in position to do so, said valve having an externally threaded stem extending outwardly through the other end of said chamber for manual control; and an internally threaded sleeve fitted to said stem and slidable in said other end of the chamber, whereby said valve is adjustable relative to said sleeve and is also movable as a unit with said sleeve.

2,496,287
PROCESS FOR SEPARATING CHEMICAL COMPOUNDS
Clifford A. Hampel, Harvey, Ill., and Winfred Luther Norem, Richmond, Calif., assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application February 19, 1947, Serial No. 729,462
7 Claims. (Cl. 23—167)



1. The process for separating and recovering solid potassium perchlorate and solid sodium sulfate from a sulphuric acid slurry which contains solid potassium perchlorate and solid sodium acid sulphate which comprises separating the solid sodium acid sulfate and solid potassium perchlorate from the sulfuric acid by filtration, adding to the solid sodium acid sulfate and solid potassium perchlorate an amount of water limited to that sufficient to bring all the sulfate into solution and convert it to sodium sulfate, separating the solid potassium perchlorate from the solution of sodium sulfate by filtration, cooling the sodium sulfate solution to cause precipitation of sodium sulfate decahydrate, and separating the precipitated decahydrate from the mother liquor.

2,496,288
PROCESS FOR THE SEPARATION AND RECOVERY OF INORGANIC SALTS
Clifford A. Hampel, Harvey, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 20, 1947, Serial No. 736,113
7 Claims. (Cl. 23—85)

1. A process for the separation of sodium chlorite and potassium chlorate from solutions containing these salts which comprises progressively evaporating the solution at temperatures above 34° C. so as to crystallize potassium chlorate until the solution reaches the eutectic composition having a saturation temperature of about 34° C., separating the thus crystallized potassium chlorate, thereafter cooling the remaining solution below 34° C. to crystallize a mixture of potassium chlorate and $NaClO_2 \cdot 3H_2O$, separating the mixture from the mother liquor, heating the mixture above the transition point of $NaClO_2 \cdot 3H_2O$ to dissolve the potassium chlorate and to form a slurry of solid anhydrous sodium chlorite in a saturated solution thereof, and separating the solid sodium chlorite from the heated solution.

2,496,289
PROCESS FOR THE SEPARATION AND RECOVERY OF INORGANIC SALTS
Clifford A. Hampel, Harvey, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 23, 1947, Serial No. 756,543
5 Claims. (Cl. 23—296)

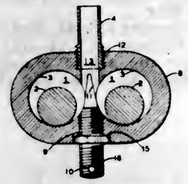
1. A process for the separation and separate recovery of sodium chlorite, potassium chlorate and sodium chloride from solutions containing all three of these salts in approximately equimolar amounts which comprises: concentrating the solution by evaporation to an extent which will effect crystallization of a first crop of potassium chlorate only at a relatively low temperature of about 5° C., separating at said relatively low temperature of about 5° C. the crystalline potassium chlorate formed, concentrating by evaporation the mother liquor from which the first crop of crystalline potassium chlorate has been removed to effect crystallization of sodium chloride, said concentration being carried out at a temperature substantially greater than that at which the first crop of potassium chlorate was crystallized, and being continued to a point such that further concentration would result in crystallization of sodium chlorite, separating the crystalline sodium chloride at approximately the temperature at which it is formed, and lowering the temperature of the mother liquor from which the crystalline sodium chloride is removed to effect the crystallization of a second crop of potassium chlorate only.

2,496,290
PROCESS FOR THE SEPARATION AND RECOVERY OF INORGANIC SALTS
Clifford A. Hampel, Harvey, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 23, 1947, Serial No. 756,544
6 Claims. (Cl. 23—85)

1. A process for separating sodium chlorite, potassium chlorate and calcium sulfate from mixtures containing these salts comprising: regulating the water content of the mixture to insure retaining the sodium chlorite and potassium chlorate in solution at a temperature at least as low as 25° C., filtering out most of the calcium sulfate at about 25° C., concentrating the filtrate by evaporation until it is saturated as to sodium chlorite in solution at room temperature, then filtering out potassium chlorate at about 34° C. leaving a solution of sodium chlorite and potassium chlorate in a mole ratio approximating but less than 92 moles sodium chlorite to 8 moles of potassium chlorate, again concentrating the solution by evaporation until it is again saturated with potassium chlorate at a temperature of at least 34° C., whereby there is precipitated a mixture of sodium chlorite and calcium sulfate from the solution, and thereafter separating the precipitated mixture from the solution at an elevated temperature below the decomposition temperature of sodium chlorite.

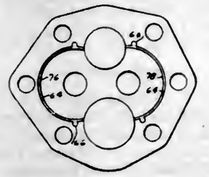
2,496,291
PNEUMATIC DUAL ROTARY VIBRATOR
Jurjen S. High, deceased, late of Philadelphia, Pa., by Rie High, executrix, Philadelphia, Pa.
Application January 3, 1947, Serial No. 719,980
7 Claims. (Cl. 74—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A pneumatically driven vibrator comprising a casing having a pair of round chambers arranged side by side symmetrically with respect to a central laterally directed inlet, a pair of



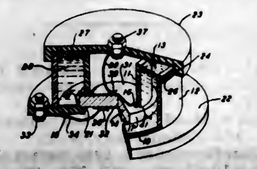
round masses mounted loosely in said round chambers for rolling rotation therein, and tangentially arranged outlet ports for said chambers symmetrically arranged in said casing.

2,496,292
METHOD OF SECURING A SEMICYLINDRICAL LINER IN A PUMP BORE
Wesley B. Hook, Arlington, Va.
Application December 5, 1945, Serial No. 633,032
4 Claims. (Cl. 29—156.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



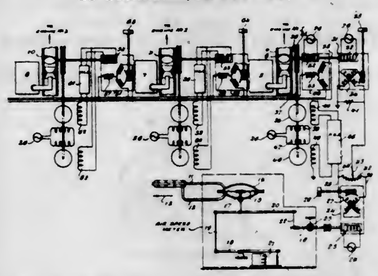
4. Steps in the method of securing a liner which is in the form of an arcuate section of a cylinder with circumferentially spaced axially parallel keys on the outside, one back from each edge of said section, to the inside of an arcuate section of a bore, which consists of drilling circumferentially spaced axially parallel holes corresponding to said keys near but not touching the section of the bore, enlarging the bore section until it merges with said holes, burring the corners at the juncture of said bore section and said holes, then pressing said liner and its keys axially into said bore section and its holes.

2,496,293
CRYSTAL HOLDER
Earl F. Kiernan, San Diego, Calif.
Application February 24, 1949, Serial No. 78,203
6 Claims. (Cl. 171—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A crystal assembly comprising a pair of cylinders, one within the other, forming an annular chamber between, a plate crystal mounted across one end of the inner cylinder and sealed to the edge thereof, the periphery of said crystal extending slightly beyond the edge of said inner cylinder, an annular wall sealed to the edge of said outer cylinder and to the edge of said crystal thereby to seal said chamber at said one end, said annular wall continuing beyond the edge of said outer cylinder to form a circumferential flange, a wall at the other end of said assembly sealed to the cylinder edges to seal said chamber, an insulating fluid filling said chamber, a pair of thin, plate-like electrodes mounted one against each face of said crystal, a first terminal mounted to said flange, a conductor extending between said first terminal and the electrode on the outer face of said crystal, a second terminal mounted to said second named wall, and a conductor extending between said second terminal and the electrode on the inner face of said crystal.

2,496,294
SPEED GOVERNING SYSTEM FOR DIRIGIBLE CRAFT
Spencer Kellogg, 2nd, Glen Head, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application December 29, 1944, Serial No. 570,408
15 Claims. (Cl. 244—53)

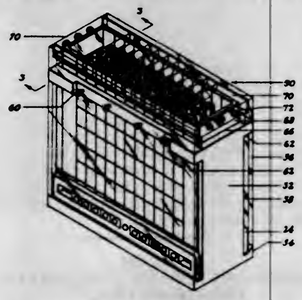


1. In a speed governing system for dirigible craft having a prime mover with a controllable throttle valve; means connected to operate the valve, a speed measuring meter, a pick-off controlled by said meter to produce a signal when the craft is above or below a predetermined reference speed, a second pick-off operated by the throttle valve to produce a second signal corresponding to the displacement of the throttle valve of the prime mover from a predetermined position, and receiver means for said signals producing an output when the signals are other than of equal and opposite amplitudes for said valve operating means effective to move said valve in a direction that restores said first and second signals to equal and opposite amplitudes.

2,496,295
VIBRATION SPECTROMETER
Rudolph M. Langer, United States Navy
Application December 10, 1945, Serial No. 634,123
8 Claims. (Cl. 73—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A vibration analyzing spectrometer comprising a linearly and parallel disposed set of tunable reeds, means anchoring the fixed ends of the reeds laterally equidistant in a sectionalized base, a linearly disposed set of vibration stops arranged in engagement with said reeds and in fixed uniform elevation relative to an unadjusted position of said base sections, means including a substantially lateral bar engaging the several base sections for manually adjusting the vertical positions, respectively, of said base sections ac-

cording to a uniform arithmetic progression from either end of said base, whereby the reeds are tuned to different frequencies, the frequencies



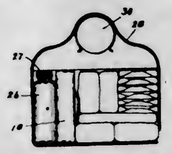
being in a uniform progression, and the spectrum range and the upper and lower limits of frequency response are widely variable at will for rapid analysis of complex vibrations.

2,496,296

PORTABLE REFRIGERATED CONTAINER

Frederick Lobl, Middleboro, Mass.

Application November 1, 1945, Serial No. 626,053
9 Claims. (Cl. 62—31)



1. A food cooling box comprising a main box and at least one smaller removable container adapted for selective arrangement within the main box as a lining for a wall of the main box and as a partition dividing the interior space of the main box into a plurality of food chambers, said removable container being a refrigerant-holding container whereby at least one of its wall surfaces constitutes a refrigerating wall of a food chamber within the main box for cooling the air within the food chamber and for directly cooling food supplies resting thereagainst, and said main box and removable container having coacting plane surfaces whereby the removable container is slidably supported for sliding bodily movements along one wall of the main box while maintained in general parallelism with another wall of the main box toward which it is moved.

2,496,297

PROCESS OF CULTURING BACTERIA

Lewis Byford Lockwood and Frank H. Stodola, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application April 11, 1947, Serial No. 740,982
4 Claims. (Cl. 195—96)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

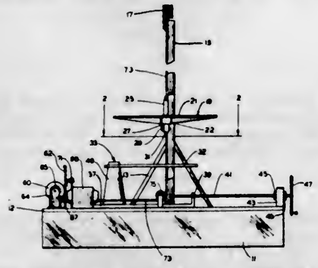
1. A process comprising culturing bacteria of the genus Pseudomonas of the family Pseudomonadaceae in a medium containing a reducing disaccharide to convert the disaccharide directly into the corresponding bionic acid without first splitting it by hydrolysis.

2,496,298

SHOCK TESTING APPARATUS

George Mackas, Brooklyn, N. Y., assignor to the United States of America as represented by the Secretary of War

Application February 5, 1946, Serial No. 645,671
8 Claims. (Cl. 73—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A shock testing device comprising a test table, a substantially horizontally disposed elongated spring, a spring pedestal sustaining said spring at only one end thereof, means to translate the spring pedestal and spring horizontally relative to said table and means to cause the said table to strike against the said spring.

2,496,299

FINISHING PROCESS FOR SPINNING JETS

Samuel A. Mansfield and Clarence E. Bishop, Narrows, Va., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 30, 1946, Serial No. 666,181
1 Claim. (Cl. 204—140)

Process for the production of stainless steel spinning jets having an inner face and an outer face and provided with a plurality of fine orifices for filament-forming operations, which consists essentially of the steps of forming depressions in the inner face of said jet at those points at which orifices are to be provided, imparting a smooth finish to said inner face by subjecting the spinning jet to electrolytic anodic action in an electrolytic bath consisting essentially of 40 to 50% by volume of orthophosphoric acid and 50 to 60% by volume of glycerine employing a current density of 0.1 to 2.0 amperes per square inch, the temperature of the electrolytic bath being maintained between about 40° C. to about 125° C. during said electrolytic treatment, drilling orifices through the jet faces where the depressions are formed, and again subjecting the drilled jet to electrolytic anodic action in the said electrolytic bath to impart a smooth finish thereto.

2,496,300

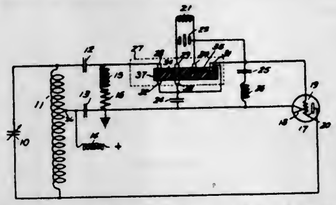
CRYSTAL-CONTROLLED MEANS FOR STABILIZING FREQUENCY OF OSCILLATOR CIRCUIT

Milton S. Mead, Jr., United States Army, Schenectady, N. Y.

Application December 4, 1945, Serial No. 632,784
10 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An electrical frequency control system comprising: generating means for producing electrical oscillations of a predetermined frequency,

these generating means including a tank circuit and a vacuum tube having at least a cathode, a grid, and an anode, these generating means also including a series connection between the tank circuit and the grid; in the series connection, piezo-electric crystal means whose resonant frequency is the same as the predetermined frequency; a neutralizing circuit connected to the series connection at a point between the crystal and the



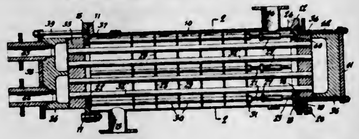
grid, this neutralizing circuit drawing from the generating means a lagging current equal to the leading current drawn by the tube, so that the resultant current through the crystal is only that required to supply the tube grid losses; the crystal being responsive through the series connection, to a departure of the frequency of the generating means from its predetermined value, to restore the frequency to such value.

2,496,301

TUBE BUNDLE ASSEMBLY FOR HEAT EXCHANGERS AND THE LIKE

Carl Meixl, Orchard Park, N. Y., assignor to Howard Iron Works, Inc., Buffalo, N. Y., a corporation of New York

Application February 16, 1944, Serial No. 522,603
3 Claims. (Cl. 257—239)



1. A tube bundle assembly for heat exchangers and the like, comprising a pair of retaining rings adapted to support and protect the companion tube heads of a tube bundle and between which the tubes of such bundle extend, longitudinal tie members arranged between the inner faces of the rings and disposed in protective relation about the tubes of the bundle, and means applied to the outer faces of the rings for fastening the heads of the tube bundle thereto, said means including portions disposed in protective relation about said heads.

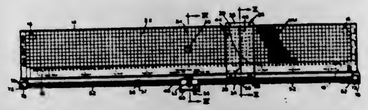
2,496,302

SHIPLOADING EVALUATING DEVICE

Charles W. Merriam, Jr., Taunton, and Frank K. Perkins, Newton, Mass.

Application November 28, 1945, Serial No. 631,466
5 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A ship loading evaluating device comprising, a table, a knife-edge fixed thereon, a graph on said table having coordinates representing distances in feet from the keel and various displacements in tons in accordance with load changes on a particular ship, a hairline slide mounted on said table and movable over said graph, two frame members attached to the extremities of said table and having mutually directed elongated openings therein, a beam balanced in parallel juxtaposition with said table on said knife-edge, said beam having its extremities penetrating said elongated openings and being freely movable



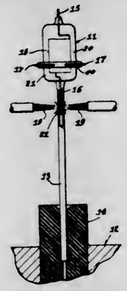
therein under conditions of unbalance, weights representative of present load and of proposed changes in load slidably mountable on said beam, said weights having means for cooperatively registering said weights and said hairline into alignment.

2,496,303

TIPPING-OFF OPERATION AND PRODUCT

Rupert O. Morse and James W. Nuttall, Hamilton, Ontario, Canada, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 15, 1944, Serial No. 545,150
12 Claims. (Cl. 316—18)



1. The method of sealing an evacuated device, in which a lead therefrom extends into a vitreous exhaust tube thereof, comprising coating the free end portion of said lead with refractory material which prevents vitreous material from sticking thereto after being fused in contact therewith, leaving the adjacent portion uncoated, heating said exhaust tube to form a vacuum-tight seal with the uncoated portion of said lead adjacent the coated portion, in which the material of said exhaust tube is fused to cover at least a part of the coating on said lead, and cutting the vitreous material of said seal at a point very near the junction between, the coated and uncoated portions, but slightly toward the free end of said lead, so that it is thereafter easy to remove the portion over the coated lead.

2,496,304

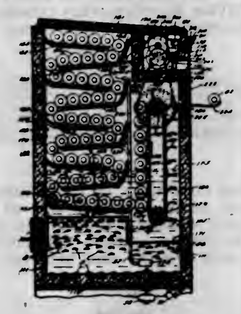
BOTTLE COOLING AND DISPENSING REFRIGERATOR

Glenn Muffly, Springfield, Ohio

Application May 2, 1944, Serial No. 533,778
10 Claims. (Cl. 62—2)

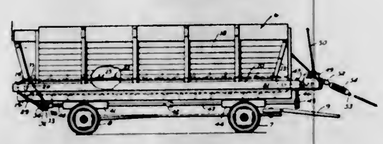
6. In a bottle cooler, a tank having a space adapted to contain water and ice, means for circulating water, a reticulated grid for confining the ice to said space, a conveyor adapted to carry

bottles through said liquid in a zone from which said ice is substantially excluded by said grid,



and ice-making means in said tank on the side of said grid where ice is stored.

2,496,305
SELF-UNLOADING TRAILER
Merrell R. Ortmeier, Freeport, Ill.
Application June 15, 1946, Serial No. 676,963
2 Claims. (Cl. 214—83.36)

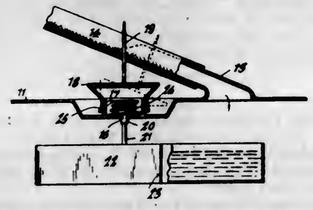


1. A vehicle of the character described comprising in combination, a frame, a body mounted on the frame consisting of a bottom, opposed side walls and a front end wall, an endless conveyor mounted in the body associated with the bottom thereof, said conveyor comprising a pair of endless chains working lengthwise on opposite sides of said bottom with their upper flights disposed at the approximate level of and closely adjacent the side edges of said bottom, cross-members secured at their ends to said chains and slidable lengthwise of said bottom to move material therealong, sprockets mounted on opposite ends of said frame over which said chains are extended for guide and drive purposes, ground wheels supporting said frame, a differential carried on said frame including two coaxial shafts, and a ring gear drivingly connected to said shafts through differential gears, means drivingly connecting said shafts to two of the aforesaid sprockets on one end of said frame to transmit drive uniformly to said chains, power operable means drivingly connected to the ring gear of said differential to transmit drive thereto, and a change speed gear box mounted on said frame having a manually shiftable lever for selection of different speeds and direction of drive, said gear box including an input shaft having means whereby the same may be driven from a power source, and an output shaft operatively connected with the power operable means that is drivingly connected to the ring gear of said differential.

2,496,306
ISOLATION OF LOW-METHOXYL PECTINS
Harry S. Owens, Rolland M. McCready, and William D. Maclay, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 9, 1946, Serial No. 689,346
6 Claims. (Cl. 99—132)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for isolating a low-methoxyl pectin from an aqueous solution thereof which comprises dissolving an alkali metal salt in an aqueous solution of a low-methoxyl pectin at a pH from 3 to 5, the concentration of said metal salt being from about 2% to about 10%, and separating the precipitated low-methoxyl pectin from the solution.

2,496,307
MILK FLOW CONTROL FOR MILKING MACHINES
Albert G. Perkins, Warsaw, N. Y.
Application June 23, 1944, Serial No. 541,680
23 Claims. (Cl. 31—86)



1. The combination with a milking machine having milk-conveying conduits including teat cups thereon for connection to the cow's teats, of receptacles adapted for suspension in the milk-receiving can and each in individual communication with the flow of milk from a companion teat cup and from which receptacles the milk is discharged at a predetermined rate, individual vacuum-governed means operatively connected to said conduits for cutting off the vacuum and the flow of milk therethrough, and valve means in operative association with the companion vacuum-governed means and the receptacles for rendering the former operative when the flow of milk through a companion conduit is reduced below normal.

2,496,308
LEVER ACTUATED PIVOTED JAW WRENCH
Walter E. Pugh and Roy J. Champayne, Rockford, Ill.; said Champayne assignor to said Pugh
Application July 19, 1945, Serial No. 606,001
9 Claims. (Cl. 81—84)

1. A wrench comprising an elongated handle, a jaw fixed on one end of the handle, an opposed second jaw, a bell crank carrying said second jaw and pivoted on one end of said handle, said bell crank having an arm projecting laterally of the handle and movable longitudinally thereof to move said second jaw toward and away from said fixed jaw, a link extending longitudinally of and having one end pivoted at the other end of said handle, the other end of said link having a sliding pivotal connection with said bell crank arm, a follower roller on said link spaced from said connection, an operating lever pivoted on said bell crank arm, and a cam surface on said lever engaging said follower roller and operable by swinging of the lever toward said



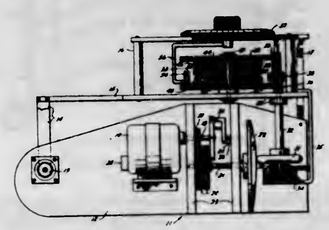
handle to wedge said roller and said arm apart and thereby move the movable jaw toward said fixed jaw.

2,496,309
LEVER ACTUATED PIVOTED JAW WRENCH
Walter E. Pugh, Rockford, Ill.
Application April 4, 1946, Serial No. 659,525
6 Claims. (Cl. 81—84)



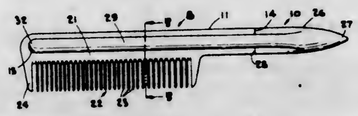
1. A wrench comprising an elongated handle, a jaw fixed on one end of the handle, a bell crank pivoted on said handle and carrying a jaw opposing said first jaw, an abutment at the other end of said handle adjustable longitudinally thereof, an elongated link extending along said handle and pivoted on said abutment, said link comprising generally flat strips spaced to receive said bell crank between them and having pin and slot connections with the bell crank, an operating lever projecting in between said strips adjacent the bell crank and pivotally connected at one end of the latter, the other end of said lever projecting outwardly and laterally from said handle, a second link disposed between said strips and pivotally connected thereto intermediate the ends of the strips, and means providing a pivotal connection between said second link and said lever whereby to form a toggle which is straightened when said lever is swung inwardly toward the handle.

2,496,310
REVERSING ACCELERATION INTEGRATOR
Jacob Rabinow, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of War
Application March 19, 1946, Serial No. 655,539
8 Claims. (Cl. 161—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



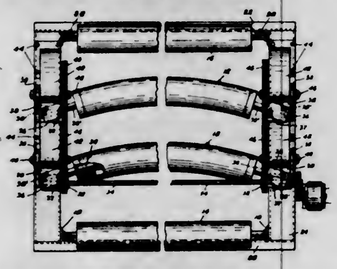
1. An acceleration integrating and timing device comprising means providing rotation at substantially constant velocity, a movable element, means for interconnecting said first means and said element to initiate movement of the latter in one direction at a selected instant, interconnecting means for reversing the movement of said element at a later selected instant, acceleration responsive means for modifying the velocity transmitted to said element by said first means and switch means operable when said element has completed its reverse movement.

2,496,311
COMBINATION COMB AND CONTAINER
Bessie S. Renfrew, Pasadena, Calif.
Application June 14, 1946, Serial No. 676,763
1 Claim. (Cl. 132—79)



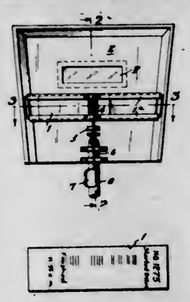
In an article of manufacture comprising an elongated body forming the back of a comb and consisting in part of a hollow spine, the ends of the latter being closed, a cut-away section extending along one side of the elongated body from one end to the other end thereof to expose the interior of the hollow spine, the latter having grooves in the resulting side walls or edges thereof, and an elongated closure member fitting slidably between said grooves to conceal the interior of said hollow spine, said hollow spine and the elongated closure member together being of oval cross-section throughout the length of said hollow spine, and a handle integral with the elongated closure member having substantially the same cross-section along a portion of the length thereof as that of said hollow spine and having the inner end thereof forming a shoulder abutting one end of said elongated body, said handle being separable from said end of said body when the closure member and handle are slid outwardly away therefrom in order to expose the interior of said hollow spine.

2,496,312
BOW CORRECTING APPARATUS
John D. Robertson, Taunton, Mass.
Application May 28, 1946, Serial No. 672,774
3 Claims. (Cl. 26—63)



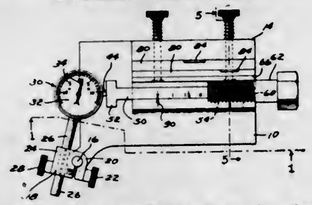
1. Bow correcting apparatus comprising means at spaced locations for guiding a travelling web to and from a region of bow correction, a plurality of longitudinally curved web engaging elements extending across said region with the web engaging under one of said elements and over a next adjacent one of said elements, pivoted means supporting the opposite ends of each of said elements, and means for rotating said pivoted means of said web-engaged elements in opposite directions about their pivots thereby to move said elements from neutral positions, in which the central and edge portions of the web engaging therewith have equal travel in said region, to positions in which the central portion of the web engaging therewith has a length of path of travel in said region substantially different from the length of the path of travel it has in said neutral position, and the edges of the web have a length of paths of travel in said region substantially different from the length of their paths of travel in said neutral position with the difference in one case an increase and in the other case a decrease.

2,496,313
APPARATUS FOR CHECKING THE WORK OF ARC WELDERS
Robert Sarazin, Neuilly-sur-Seine, France; vested in the Attorney General of the United States
Application March 31, 1941, Serial No. 386,196
In France August 3, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 3, 1959
5 Claims. (Cl. 346—108)



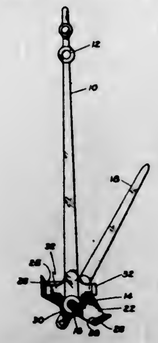
1. In combination, a substantially concavo-convex arc welder's shield having an opening therein through which light rays pass, guide members on each side of the opening and on the concave surface of the shield for supporting a light sensitive record receiving strip over said opening in face to face position relative to the concave shield surface, a handle for said shield, and strip displacing means extending alongside said handle whereby the operator's hand can simultaneously grasp the handle and operate the displacing means.

2,496,314
LEAD GAUGE
Walter Sherwood, Hempstead, N. Y., assignor to The Farmingdale Corporation, a corporation of New York
Application September 27, 1944, Serial No. 555,995
4 Claims. (Cl. 33—199)



1. In a lead gauge of the character described, a base, a slide mounted for longitudinal movement thereon, upwardly projecting pins carried by said base and slide and being formed for engagement with the threads of a threaded member to be gauged, when said threaded member is rested upon said pins, indicating gauge means associated with said slide to indicate small movements thereof, a back rest member associated with said base, an adjustable rest bar carried by said back rest member having a substantially vertical surface adapted to form a rest for a threaded member being gauged, and a removable increment block mounted between said back rest member and rest bar, for positioning said rest bar in a position to support the threaded member being gauged centrally over said pins so that it will rest on said pins by gravity.

2,496,315
ANCHOR
Hardwick Price Shipley, Falls Church, Va.
Application April 15, 1944, Serial No. 531,239
1 Claim. (Cl. 114—208)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



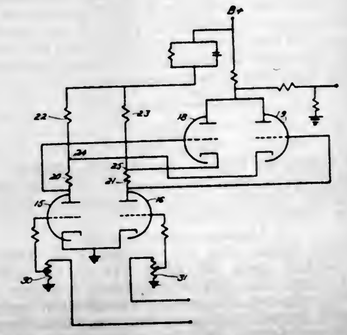
An anchor comprising a shank, a pair of flukes, and a crown oscillatable with said flukes and having a pair of surfaces that are at an angle of approximately 30–80 degrees with each other and that slope rearwardly toward each other and that face each other, said crown having a second pair of surfaces similar to said first pair except that the apex of the dihedral angle of the second pair is spaced from the apex of the angle of the first pair and is approximately at the axis of rotation of said crown, said crown comprising an I-shaped structure above said shank and a second I-shaped structure below said shank.

2,496,316
ROCKET PROJECTOR
Leslie A. Skinner, Washington, D. C., and Edward G. Uhl, Elizabeth, N. J., assignors to the United States of America as represented by the Secretary of War
Application September 22, 1943, Serial No. 503,411
7 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A portable rocket projector comprising an extended hollow tube open at both ends and adapted to receive a rocket therein through one of said ends, a spring pressed latch mounted on said tube adjacent one of said ends and adapted to engage the rocket to hold the same from falling out of said tube, a guide structure projecting rearwardly and outwardly from said tube adjacent said latch to facilitate loading of said projector, said guide structure comprising spaced wire-like members, a shoulder stock secured to said tube intermediate the ends thereof, a pistol grip on said tube longitudinally spaced from said shoulder stock, a trigger mechanism mounted in said pistol grip, and means actuated by said trigger for firing a rocket inserted in said tube.

2,496,317
COMBINING CIRCUIT
Harry B. Smith, Hyattsville, Md.
Application December 24, 1946, Serial No. 718,249
2 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a circuit of the nature described, a first switching tube having a plate, a second switching tube having a plate, means for applying input signals one to each switching tube, a plate voltage supply for said tubes, similar voltage dividing means between each plate and said supply, two substantially similar mixing tubes having cathodes and control electrodes, grid biasing means for said first mixing tube including a tap on one of the voltage dividers, and means including a tap on the other voltage divider for biasing the grid of said second mixing tube, a tap on said one voltage divider at a point more positive than the first mentioned tap on said voltage divider for supplying the cathode of said second mixing tube, a tap on said other voltage divider at a point more positive than the first mentioned tap thereon for supplying the cathode of said first mentioned mixing tube, and a common output for said mixing tubes.

2,496,318
TRUSS JOIST
Donald W. Southgate, Nashville, Tenn.
Application June 20, 1946, Serial No. 678,117
3 Claims. (Cl. 20—0.5)



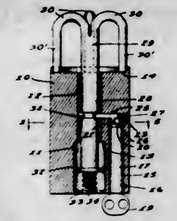
1. A truss comprising a plurality of wood top chord members, an equal number of wood bottom chord members and an equal number minus one of unitary plywood zigzag web members, the upper angles of each web member being secured between two adjacent top chord members and the lower angles of each web member being secured between two adjacent bottom chord members, each angle being secured at spatially separated points and serving to strengthen the chords formed by said chord members, and a filler member secured at spatially separated points to and between and filling a substantial portion of the length of the space between the outer edge portions of two adjacent chord members and serving to strengthen the chord formed by said chord members and together with said chord members to provide a nailing area, the minimum dimension of the straight portions of each web member in the plane thereof being greater than the thickness thereof and the laminations of each web member being parallel to the plane thereof.

2,496,319
PREPARATION OF 2-PICOLINE SULFUR CONDENSATION PRODUCTS
Helen I. Thayer, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Continuation of application Serial No. 665,638, April 27, 1946. This application February 26, 1948, Serial No. 11,317
7 Claims. (Cl. 260—290)

1. A process of producing novel condensation products of 2-picoline and sulphur, comprising: heating a mixture of 2-picoline and sulphur to form condensation products comprising a mixture of individual sulfurated and nitrogenated heterocyclic compounds; dissolving the crude reaction product in acid and separating acid-insoluble material from acid solution; neutralizing the acid solution by a plurality of additions

thereto of an alkali and thereby separating one condensation product; after complete neutralization, extracting an oily product from the neutralized solution; fractionally distilling the so-separated oily product and recovering nitrogenated hydrocarbons as pure products.

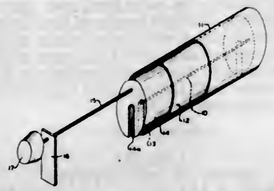
2,496,320
PADLOCK
John P. J. Vickers, Dartmouth, Nova Scotia, Canada
Application September 5, 1947, Serial No. 772,251
1 Claim. (Cl. 70—38)



A padlock, comprising a cylindrical body having a central axial bore including an enlarged bottom portion forming a shoulder and an annular groove in one end surrounding the bore and substantially concentric therewith, an axially shiftable shackle shank mounted within the central axial bore and provided near its inner end with a head, said head being disposed within the enlarged portion of the bore and adapted to engage the shoulder to limit the outward movement of the shackle shank, the shackle shank being provided between its ends with an annular groove, a spring disposed within the central axial bore inwardly of the shackle shank and engaging the inner end of the shank to urge it outwardly toward its open position, a plurality of angularly spaced radial arms secured to the outer end of the shackle shank and having parts to engage in the annular groove of the body when the shackle shank is shifted inwardly to its closed position, the shackle shank being turnable upon its longitudinal axis in the open and closed position, the cylindrical body having a radial passage between its ends and leading into the central axial bore and an axial opening parallel to the central axial bore and spaced radially outwardly thereof and leading into the radial passage, a bolt mounted within the radial passage and having a lateral extension projecting into the axial opening, a spring within the radial passage and behind the bolt to urge the bolt into the annular groove of the shackle shank, and a key operated plunger mounted within the axial opening and rotatable upon its longitudinal axis and having an eccentric element at its inner end adjacent to the lateral extension of the bolt, the eccentric element engaging the lateral extension when the key operated plunger is turned for shifting the bolt out of the annular groove of the shackle shank.

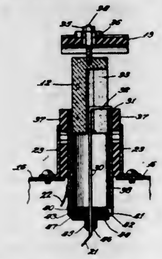
2,496,321
TUNABLE RESONANT SYSTEM
Gus W. Wallin, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application October 29, 1945, Serial No. 625,145
6 Claims. (Cl. 178—44)

1. A resonant system tunable over a range of frequencies comprising, a concentric transmission line including a central conductor and a coaxial surrounding cylindrical conductor, a pair of axially-spaced supporting arms extending radially inward from said cylindrical conductor and supporting said central conductor, and a ferromag-



netic core element proportioned substantially to fill the space between said conductors and slotted to clear said radial supporting arms, said core being axially adjustable to adjust the resonant frequency of the system.

2,496,322
TUNING SYSTEM
Gus W. Wallin, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application August 13, 1947, Serial No. 768,382
17 Claims. (Cl. 250—40)

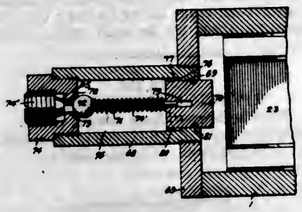


1. A tunable resonant circuit comprising a transmission line including a pair of series connected spaced coaxial conductors, a ferromagnetic core movable in the space between said conductors for varying the inductance thereof, capacitor means including a plurality of plates mounted on said transmission line at the open end thereof, each of said plates being electrically connected to one of said conductors to provide a plurality of capacitors bridged across said transmission line, and means for movable mounting one of said plates on said conductor to which it is connected so that said one plate can be moved with respect to the other of said plates for varying the capacity of at least one of said capacitors.

2,496,323
BUFFER
Edwin H. Waltke, Los Angeles, Calif.
Original application December 15, 1943, Serial No. 514,359. Divided and this application June 20, 1946, Serial No. 677,949
5 Claims. (Cl. 89—198)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A buffer structure comprising, a hollow cylinder for the reception of a compressed gas and having a slidable piston fitting gas-tight therein, said piston having a centrally disposed seat in its inner face, stop shoulders in the cylinder and on the piston for limiting the outward movement of the piston, an apertured plug at the other end

of the cylinder, a valve seated in said aperture, said valve having a stem secured thereto and extending forward into the centrally disposed seat



in the piston, and a spring surrounding said valve stem for normally seating the valve and the slidable piston.

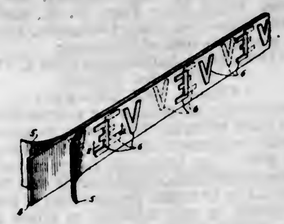
2,496,324
MIRROR AND LIGHT BEAM WHEEL ALIGNMENT CHARACTERISTIC MEASURING DEVICE
Roland E. Wilson, Detroit, Mich., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application January 5, 1945, Serial No. 571,717
18 Claims. (Cl. 88—14)

1. An apparatus for measuring an alignment characteristic of one of a pair of dirigible wheels, which comprises: a mirror fastened on said wheel and facing laterally therefrom; a projection base mounted for rectilinear movement towards and away from said mirror in a direction approximately parallel with the line passing through the centers of said wheels, with said wheels turned straight ahead; a screen disposed parallel with said direction and thus spaced a constant distance from said base; means on said base for projecting a chart on said screen along an axis having a fixed orientation relative to said direction; means on said base for projecting a beam of light against said mirror with a fixed orientation relative to said direction; and a mirror on said base for deflecting the reflected beam onto said screen to form an indicator image on said screen, said chart embodying calibrations so that when said base is shifted in said direction into a given spaced relation with said wheel mirror, and said wheel is turned to have a given angular relation with said line, the location of said indicator image on said screen, with reference to the calibrations on said chart, indicates quantitatively the amount of said alignment characteristic.

2,496,325
TRANSFER
Charles Wittgren, Chicago, Ill., assignor to The Plastilac Corporation, a corporation of Illinois
Application October 16, 1948, Serial No. 54,955
9 Claims. (Cl. 154—43.5)

1. A two-sided transfer comprising a flexible, light-permeable, smooth surfaced base sheet

formed of a water insoluble organic plastic; a water soluble, light-permeable, flexible, mechanically detachable film of a water soluble organic

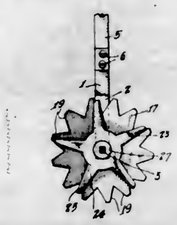


plastic formed on opposite sides of said sheet, the said film bearing on its outer surfaces images formed of water insoluble material, the outer surfaces of said images bearing an adhesive thereon.

2,496,326
PRODUCTION OF A 3-(LOWER ACYL) AMINO-3-CARBALKOXY-2-PIPERIDONES
Noel F. Albertson, East Greenbush, and Sydney Archer, Albany, N. Y., assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 16, 1945, Serial No. 599,970
3 Claims. (Cl. 260—294)

1. The process which comprises catalytically hydrogenating a lower alkyl (beta-cyanoalkyl)-(lower acyl)-aminomalonate in the presence of a metal catalyst, thereby forming a 2-piperidone derivative.

2,496,327
LAWN EDGER
Horace C. Beck, Los Angeles, Calif.
Application August 28, 1946, Serial No. 693,541
1 Claim. (Cl. 56—256)

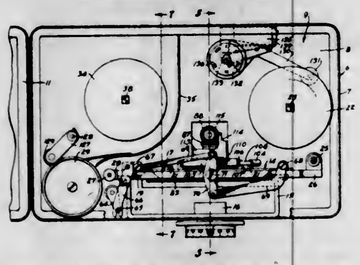


In a lawn edger, a frame supporting a non-rotating shaft, a ring gear rotatably carried by said shaft and having friction means attached to its perimeter adapted to engage the ground and to rotate said ring gear, a shearing cutter attached to said ring gear and adapted to rotate therewith, a plate rotatively mounted upon said shaft and having a pair of stub shafts attached thereto, meshing pinion gears upon said stub shafts, one of said pinion gears meshing with said ring gear and the other pinion gear meshing with a crown gear rotatively mounted upon said shaft, said crown gear having a cutter attached thereto adapted to rotate upon said shaft, and means to force said cutter and said shearing cutter into a contacting position to produce a shearing movement.

2,496,328
PROCESS OF PRODUCING POLYHYDRIC ALCOHOL ESTERS OF FATTY ACIDS
Adam Carr Bell, Jackson Heights, and William Godfrey Alsop, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application May 2, 1947, Serial No. 745,652
7 Claims. (Cl. 260—410.7)

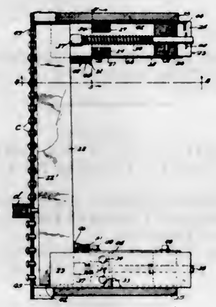
1. The process of producing polyhydric alcohol esters of fatty acids having a high monoester content which comprises heating to a temperature of at least 200° C. at least one fatty material from the group consisting of fatty acids and fatty acid esters with 4 to 10 molar proportions of polyhydric alcohol which is not miscible in these amounts with the reaction product, agitating said materials while so heated to form an intimate dispersion of said alcohol and fatty materials, subjecting the product after the reaction has reached substantial equilibrium to cooling against a surface having a temperature somewhat above the melting point of the product to reduce the temperature of the product below about 100° C. while still substantially maintaining such dispersion, and permitting the cooled product while still liquid to separate into an ester layer containing a minor amount of dissolved polyhydric alcohol and a substantially pure layer of polyhydric alcohol.

2,496,329
VARIABLE FILM EXPOSURE APERTURE AND FILM FEED
Ambrosius Briechle, Brooklyn, N. Y., and Ernest C. Worden, East Norwalk, Conn., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application September 14, 1945, Serial No. 616,172
9 Claims. (Cl. 95—31)



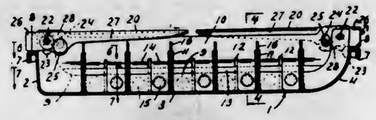
1. In a photographic camera having an objective, a focal plane therefor, a shutter controlling photographing at said focal plane, and film feed means for intermittently feeding film through said focal plane, the combination of a film guideway having a guide plate formed with an exposure aperture and a central longitudinally extending groove in one face thereof, a pair of plates mounted in said groove in end to end relation having the side edges formed for interfitting longitudinal sliding cooperation with the side portions of said guide plate, and having the upper faces of said pair of plates and the upper faces of the side portions of said guide plate in coplanar relation, a rotary control member rotatably mounted at the central portion on a margin of said guide plate and having opposite ends extending above and below the plane of said plates, a pair of links each having one end pivotally connected to one end of said rotary control member and having the opposite end pivotally connected to one of said pair of plates, whereby manual rotation of said rotary control member slides said pair of plates through operation of said links to move the adjacent ends of said plates toward and from each other to vary the length of said exposure aperture in said guide plate.

2,496,330
RIVETING EQUIPMENT
Morris Brown, San Diego, Calif.
Application June 2, 1944, Serial No. 538,355
5 Claims. (Cl. 78—53.5)



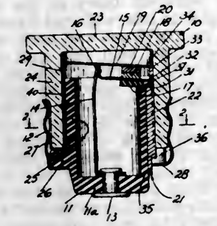
2. Apparatus adapted for use with a power-operated hammer for riveting assembled elements together comprising: a rigid upright frame extending over substantially the entire area of a panel assembly which is to be riveted and includes a sheet, columns rigidly supported in the frame, means for clamping parts of the assembly against the columns, bucking bars extending between the columns for series of rows of the rivets to be upset in substantially the entire sheet, a pair of spaced members on the columns for slidably and separately supporting the ends of each of the bucking bars and on which the ends of each bar are freely supported for angular deflection by impact blows, said members being mounted on the columns for pivotal movement transversely of the bars, and devices for each end of each of the bars, carried by said supporting members, for imparting counterblows independently to the ends of each bucking bar reactively to impact blows imparted to the bars.

2,496,331
ICE CUBE TRAY
Michael K. Buchanan, Norfolk, Va.
Application February 5, 1947, Serial No. 726,655
9 Claims. (Cl. 62—108.5)



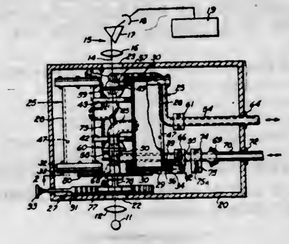
1. An ice tray comprising a pan and a grid in the pan, the grid comprising an upper longitudinal member, a lower longitudinal member, and transverse members, the upper longitudinal member being provided with extensions extending downwardly adjacent the lower longitudinal member, said extensions having projecting portions, and a pair of levers connected to the upper and lower longitudinal members, said levers being constructed to engage the edge of the pan when they are swung on their pivots to raise the grid in the pan, and upon further movement to cause relative movement of the upper and lower longitudinal members.

2,496,332
RESETTABLE CIRCUIT BREAKER
René Carle, Brooklyn, N. Y., assignor, by mesne assignments, to Thermo Electric Fuse Corp., New York, N. Y., a corporation of New York
Application April 6, 1948, Serial No. 19,279
13 Claims. (Cl. 200—116)



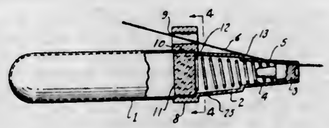
1. In a resettable circuit breaker, a hollow insulating body portion, two fixed electrically separated electrical terminals on the outer surface of said body portion, an internal shelf within said body portion, a reset pin slidably movable within said body portion and having a manually engageable portion extending outwardly therefrom, said pin having an intermediate ledge adjacent said shelf and an upper ledge disposed within said body portion, a thermal-responsive strip connected to one of said terminals and being normally bent towards said reset pin and being adapted to bend away therefrom under predetermined current overload conditions, a spring conductor branch extending from said strip and having on the undersurface thereof an insulating block adapted to rest upon said shelf when the strip is in said normally bent position and retracted therefrom when the strip is in its said overload condition, said branch containing an extension beyond said insulating block adapted to rest upon said shelf when the block is in said retracted position, the upper surface of said branch containing an electrical contact, a spring conductor arm electrically connected to the other of said terminals and positioned above said branch and containing on its undersurface a second electrical contact engageable with said first-mentioned contact when said insulating block is disposed on said shelf, said arm also containing an extension beyond its contact in yieldable pressing engagement with said upper ledge of the reset pin, said contacts being separated when the spring branch extension is resting upon the said shelf, the said intermediate ledge being engageable with the said spring branch extension upon an upward movement of the reset pin to cause an operative resetting elevation of the said spring branch, the reset pin being movable under the action of said spring arm to a predetermined lower position when the block is in said retracted position.

2,496,333
OPTICAL ABSORPTION CELL
Henry H. Cary, Alhambra, and Kenyon P. George, South Pasadena, Calif., assignors to National Technical Laboratories, South Pasadena, Calif., a corporation of California
Application January 14, 1947, Serial No. 722,040
11 Claims. (Cl. 88—14)



1. In an apparatus for testing a fluid sample by means of a beam of radiation transmitted along a predetermined path from a radiation source to a radiation detector, the combination of: a hollow sample cell providing a window means transparent to said radiation; a pair of supporting means for supporting said sample cell for pivotal movement about an axis adjacent said path, said supporting means being spaced along said axis, one of said supporting means comprising a tubing communicating with the interior of said sample cell and through which a fluid sample may be transferred between the interior of the cell and the exterior; and means operatively connected to said sample cell for moving said sample cell about said axis between a position in which said window means is in said beam and a position in which said window means is outside of said beam.

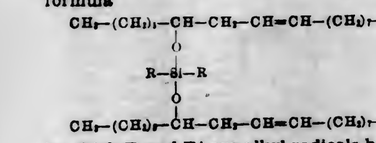
2,496,334
FISHING FLOAT
George T. Chapman, Grosse Pointe, Mich.
Application October 25, 1945, Serial No. 624,341
9 Claims. (Cl. 43—49)



1. A float for use with a fishing line comprising a pair of housings fastened together but in divided and water-sealed relation, one of the housings forming an air chamber and the other forming a water chamber having at the outer end a conical interior portion and having an orifice through which the fishing line and leader can pass, the interior also provided with an obstruction, a tapered locking plunger, and a spring for normally projecting the tapered locking plunger into tight relation with the conical interior at the end of the housing, the said obstruction serving, when the locking plunger is pressed back and cocked, to hold, with the aid of the spring, the locking plunger in released position.

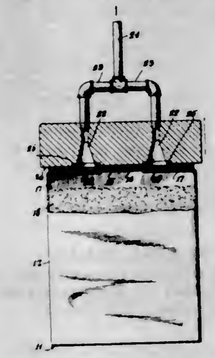
2,496,335
DIALKYL SILANE DERIVATIVE OF RICINOLEIC ACID ESTER
Robert Edward Christ, Elizabeth, N. J., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 27, 1948, Serial No. 62,430
3 Claims. (Cl. 260—448.8)

1. A composition which is a useful plasticizer for nitrocellulose, the said composition consisting essentially of a compound having the generic formula



in which R and R′ are alkyl radicals having from one to six carbon atoms.

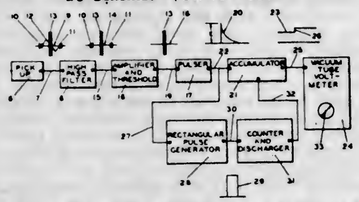
2,496,336
CARTON AND METHOD OF SEALING THE FLAPS THEREOF
William J. Cupo, Jersey City, N. J., assignor to Waldorf Paper Products Co., St. Paul, Minn., a corporation of Minnesota
Application September 1, 1944, Serial No. 552,239
2 Claims. (Cl. 229—37)



1. The method of sealing open ends of cartons having side and front and back wall end flaps adapted to be folded together to form a closure, comprising providing the two opposed side wall end flaps each with at least one aperture and the end flap of the two opposed back and front walls which is to be folded into engagement with the side wall flaps with apertures adapted to communicate with the first-mentioned apertures when those flaps are folded into overlapping relation, retaining the imperforate condition of the remaining end flap, applying adhesive material to inner flap surfaces so as to provide adhesive interposed between adjacent surfaces of all of the flaps when folded in overlapping relation, folding the apertured side wall flaps inwardly to extend in opposed relation substantially in the plane of the open end of the carton, folding the other apertured flap in overlapping relation against the side wall flaps with the apertures in registry, folding the imperforate flap in overlapping relation against the apertured overlapped flaps, biasing the opposed side wall flaps to their folded positions, withdrawing air through passageways formed by the apertures in registry from exteriorly of the carton toward the interior thereof to create a differential in pressure on opposite sides of the stack of overlapped flaps, and maintaining such pressure differential until said flaps are anchored together to seal the carton end.

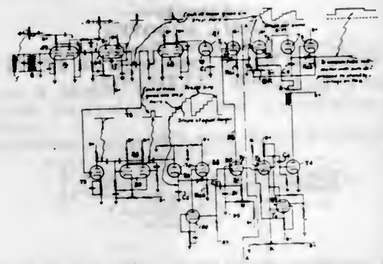
2. A filled carton comprising, in combination, opposed front and back wall panels joined together by opposed side wall panels forming a tubular structure, means closing one end of said tubular structure, and a stack of end flaps closing the other end of said tubular structure, said stack comprising a pair of foreshortened end flaps provided on the side wall panels and folded inwardly to lie in opposed relation in a common plane across the end of said tubular structure and another pair of end flaps with one provided on said front wall panel and the other on said back wall panel folded inwardly in overlapping relation against said side wall flaps, adhesive material joining adjacent faces of the flaps in said stack, said pair of side wall end flaps and the one flap of said pair of front and back wall end flaps which lies adjacent said side wall end flaps being provided with air-withdrawing passageways formed by registering apertures therein and the remaining outermost side wall end flap being imperforate for creation of a differential in pressure on opposite sides of the stack to hold the flaps together during adhesive joining together, the resulting closure having the adjacent surfaces of the flaps adhered together substantially throughout the entire areas thereof with the passageways closed by said outermost imperforate flap.

2,496,337
DETONATION METER
Deslonde R. de Boisblanc, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 29, 1944, Serial No. 524,502
16 Claims. (Cl. 73—35)



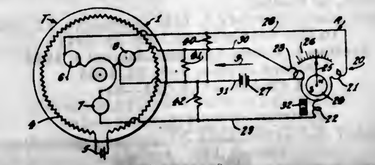
1. A method of indicating the knock level in a cylinder of an internal combustion engine comprising the steps of generating a first series of electrical pulses the amplitudes of which are proportional to the rate of change of pressure in the cylinder, eliminating from said pulses all frequencies substantially lower than the frequencies of detonation and eliminating all of said pulses below a predetermined minimum amplitude to form a second series of electrical wave train pulses, generating for each pulse of said second series a third series single pulse proportional to the amplitude of said pulse of said second series, generating for each pulse of said second series a fourth series single pulse of uniform value, accumulating said third series pulses and indicating the sum of said accumulated third series pulses, accumulating n pulses of said fourth series pulses where n is any predetermined integer and upon the accumulation of n pulses of said fourth series pulses discharging the accumulation of said third and fourth series pulses whereby this method may be repeated.

2,496,338
DETONATION INDICATOR CIRCUIT AND METHOD
Hugh M. Barton, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 18, 1945, Serial No. 573,389
8 Claims. (Cl. 73—35)



1. A method of prolonging the peak value of each group of a series of intermittent groups of voltage fluctuations until the beginning of the peak value of the succeeding group, each group comprising a series of "n" pulses of varying amplitudes added stepwise to a peak value where each nth pulse results in a peak value of each group, comprising the steps of accumulating the pulses of each group in a first and a second condenser, generating in corresponding groups "n" square wave pulses of constant amplitude and duration, accumulating said square wave pulses in a third condenser, discharging said second condenser on and by the application of the $(n-1)$th pulse of each group to said third condenser, recharging said second condenser to the peak value of each succeeding group from said first condenser and discharging the first and third condensers on and by the application of the nth pulse of each group to said third condenser, whereby the voltage on said second condenser is maintained at the peak value of each group until the beginning of the nth pulse of the succeeding group, the value of which it then assumes.

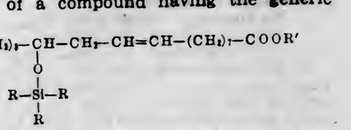
2,496,339
WIND DIRECTION INDICATOR
Clarence A. de Giers, Forest Hills, and Abraham Edelman, New York, N. Y., assignors to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 15, 1945, Serial No. 628,843
3 Claims. (Cl. 73—188)



3. A device for indicating the direction of flow of a fluid, wherein said direction is always substantially in a predetermined plane, comprising in combination a transmitter including a substantially closed housing of good heat conducting material which is exposed to said fluid, at least [illegible] temperature responsive impedance elements [illegible] by substantially [illegible] opposed substantially in said [illegible] exposed to and in good heat transferring relation to the fluid flow past said housing, so that their temperatures will be affected by the temperature of said fluid, said temperature-sensitive impedance elements being positioned in spaced relation to one another and in a substantially non-linear arrangement in said plane, temperature affecting means located in heat transferring relation to all said elements for establishing a normal temperature for all of said elements substantially different from the temperature of said fluid, the direction of flow of which is to be indicated; and a receiver comprising an indicating means including a plurality of deflecting coils, each connected in a circuit with a source of current and with one of said elements, the different temperature of said elements current through each of said coils respectively in a manner corresponding to the temperatures of the respective elements as determined by the fluid flow direction, and means to indicate the flow direction according to the relative strengths of the currents in said coils.

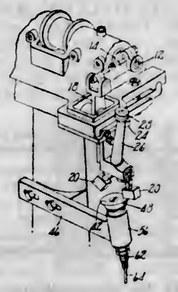
2,496,340
TRIALKYL SILANE DERIVATIVE OF RICINOLEIC ACID ESTER
Kenneth A. Earhart, Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 27, 1948, Serial No. 62,431
3 Claims. (Cl. 260—448.8)

1. A composition which is a useful plasticizer for nitrocellulose, the said composition consisting essentially of a compound having the generic formula



in which R and R′ are alkyl radicals having from one to eight carbon atoms.

2,496,341
SHOE WELT, SEAM, AND RIB IRONING MACHINE
James P. Fredericksen, Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 26, 1948, Serial No. 56,539
9 Claims. (Cl. 12—67.2)



1. A machine for operating upon shoes to flatten and smooth the welt and trimmed inseam of a lasted shoe, comprising a work support provided with an edge gage adapted to enter the welt crease and progressively support the shoe upon

the grain side of the welt as the shoe is operatively fed, a rapidly reciprocating tool having a burnishing surface engageable with the edge of the inseam and the flesh side of the welt, and means for driving said tool back and forth substantially parallel to the line of feed.

2,496,342

METHOD FOR FORMING SYNTHESIS GAS

Bruce G. Gillespie, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 7, 1945, Serial No. 615,083
2 Claims. (Cl. 252—373)

1. A method of reforming a gas consisting essentially of methane, which comprises contacting said methane with a gas consisting essentially of CO_2 in the presence of a catalyst comprising copper carried on activated carbon at elevated temperatures not exceeding 1350° F. for a sufficient period of time to effect conversion of the reactants into a gaseous mixture containing hydrogen and substantial amounts of carbon monoxide in proportions suitable for the catalytic synthesis of hydrocarbons, and recovering these materials from the reaction.

2,496,343

RED-IRON OXIDE TYPE FLUID CATALYST FOR HYDROCARBON SYNTHESIS

Bruce G. Gillespie, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 4, 1946, Serial No. 674,371
4 Claims. (Cl. 260—449.6)

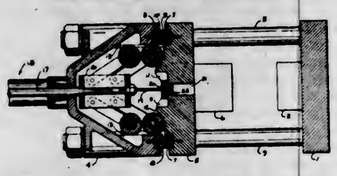
1. An improved process for producing valuable conversion products from CO and H_2 in the presence of iron catalysts which comprises contacting a gas containing CO and H_2 in synthesis proportions at synthesis conditions with a fluidized mass of sintered reduced iron oxide particles of fluidizable size obtained by a method comprising incorporating into red-iron oxide powder a minor promotional amount of potassium carbonate subjecting the composite obtained to a substantially complete reduction including a sintering treatment in a hydrogen-containing reducing atmosphere at about 1600° F. and grinding the sintered product to a fluidizable particle size.

2,496,344

FORCE MULTIPLYING MECHANISM

Keith W. Hall, Toledo, Ohio, assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application July 10, 1947, Serial No. 759,983
10 Claims. (Cl. 74—110)



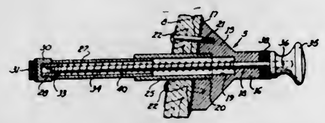
1. In a press for mechanically applying pressure, in combination, a fixed member, a guided relatively movable member, opposing surfaces on the fixed and movable members which surfaces are inclined toward each other at generally equal angles from a line perpendicular to the path of movement of the movable member, and a pair of rollers that are guided to roll each between the other and one of the inclined surfaces whereby the rolling of the rollers on the inclined surfaces produces movement of the movable member with respect to the fixed member.

2,496,345

MARBLE SHOOTER

George A. Hatherell, Roscoe, Calif.

Application May 27, 1946, Serial No. 672,375
1 Claim. (Cl. 273—129)



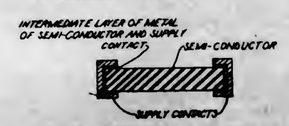
A propelling device for use with a game structure having a wall provided with an aperture, comprising: a bearing member adapted to be secured against the outer side of said wall and provided with a bore, a counterbore and a tubular extension adapted to pass through said aperture into the game structure, said counterbore being of the same diameter as the inner diameter of said extension; a tubular plunger adapted to slide in said extension and said counterbore and having a screw-threaded connector element at its outer end; a striker head screwed onto said connector element; a stem connected to said connector element and extending through said plunger and said bore; a knob attached to the other end of said stem by which said plunger can be drawn into said bearing member; and a spring surrounding said stem between said connector element and the inner end of said counterbore, said spring being compressed when said plunger is drawn into said bearing member by said stem and adapted to propel said plunger in the opposite direction when said stem is released, said head being engageable with the inner end of said tubular extension when said plunger is slid into said extension so as to limit the extent of inward sliding movement of said plunger to that necessary to effect only partial compression of said spring.

2,496,346

SEMICONDUCTIVE RESISTANCE PROVIDED WITH METAL CONTACTS

Pieter Willem Haayman and Hajo Bruining, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application February 7, 1947, Serial No. 727,090
In the Netherlands July 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 30, 1965
4 Claims. (Cl. 201—63)



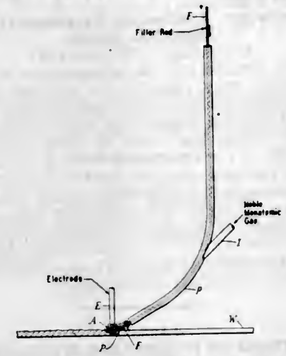
1. An electrical resistance comprising a body of sintered magnesia containing about 3% of particles of reduced titanium oxide having the formula TiO_x wherein x is between 1.6 and 1.7, copper contact members secured to said body of semi-conductive material, and an intermediate layer between said metal contact members and said body of semi-conductive material for securing the metal contacts to said body of semi-conductive material, said intermediate metal layer consisting essentially of copper, titanium, and tin in a molecular ratio of approximately 55:10:2 respectively.

2,496,347

INERT GAS BLANKETED WELDING ROD FEED PROCESS

Harry T. Herbst, Roselle, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application September 5, 1946, Serial No. 695,012
2 Claims. (Cl. 219—10)



2. In an inert gas blanketed arc welding process of welding metals having refractory oxides which interfere with the welding operation in which the arc forms a weld puddle, the weld puddle is blanketed by an annular stream of non-oxidizing gas containing essentially an inert noble monatomic gas of the group consisting of helium and argon, and a filler rod consisting of the same metal as that being welded is fed to the weld puddle along a path from a position remote from said puddle; the improvement which comprises introducing a supply of non-oxidizing gas containing essentially an inert noble monatomic gas of the group consisting of helium and argon to said path adjacent the rod inlet end thereof, passing an annular stream of said gas from said point of supply along said path to blanket said rod in its passage along said path and prevent contamination of the weld puddle by oxygen carried by said rod, and discharging said gas from the rod projecting end of said path in an annular stream surrounding the rod to blanket the weld puddle.

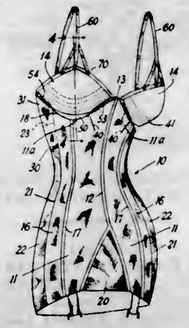
2,496,348

COMBINATION UNDERGARMENT

Sallee Hoenig, New York, N. Y.

Application January 15, 1947, Serial No. 722,209
9 Claims. (Cl. 2—30)

1. A combination girdle and brassière garment, comprising a body extending from below the hips of the wearer to just below the breasts of the wearer at the front of the garment, and to above the waistline of the wearer at the back of the garment, and a pair of breast pockets separate from one another, each breast pocket having a curved lower edge having upwardly and outwardly inclined outer portions, and said body being formed at its upper end with a pair of curved edges each having upwardly and outwardly inclined edge portions complementary to the lower upwardly and outwardly inclined edge portions of each pocket, and means for detachably attaching each pocket to said body portion at said upwardly



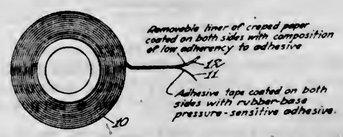
and downwardly inclined complementary edge portions of said pocket and body, the means for detachably attaching each pocket to the body being spaced from one another and each pocket being separable from the body by detaching the means which detachably attaches each pocket to the body.

2,496,349

LINER FOR ADHERENT RUBBER SURFACES AND THE LIKE

Waldo Kellgren and Jesse J. Charpentier, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application September 26, 1945, Serial No. 618,704
6 Claims. (Cl. 117—155)



1. For use as a temporary covering for adherent rubber surfaces, a creped paper having a low adherency surface coating essentially comprised of polyvinyl butyral, a lesser proportion of hydrogenated castor oil wax at least equal to about one-half the polyvinyl butyral, a still lesser proportion of higher fatty acid, and, as an anti-embrittling agent, an organic antioxidant for rubber forming a homogeneous non-bleeding film blend.

2,496,350

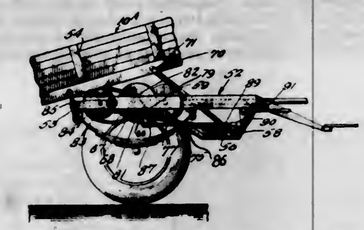
TRAILER DUMP

Vernon Lundell, Meriden, Iowa

Application August 11, 1945, Serial No. 610,296
22 Claims. (Cl. 298—21)

8. In a vehicle including a chassis with wheels attached thereto, a body pivotally secured to said chassis, a swingingly mounted shaft on said chassis, a drum attached to said shaft, a pulley adjacent said drum and means rotatively mounting said pulley on said chassis, means associated with said last mentioned means for actuating said pulley, said swingingly mounted shaft being positionable in contacting relation with said pulley, a countershaft journalled in said chassis, a reel secured to said countershaft, means for drivingly

connecting said countershaft and said swingingly mounted shaft, and means including a flexible



member for transmitting rotative movement of said reel to pivotal movement of said body.

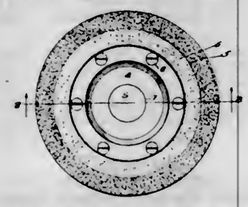
2,496,351
PULSE JET ENGINE WITH TELESCOPIC THRUST AUGMENTER
James J. Mazzoni, Richmond Heights, Mo., assignor to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application June 28, 1946, Serial No. 680,114
4 Claims. (Cl. 60—35.6)



1. In a pulse jet engine, having an elongated tubular body with an air inlet at the head end and a discharge opening at the rear end comprising a tail pipe, an imperforate sleeve in telescopic relation with the tail pipe, the inner periphery of the sleeve being in direct contact with the tail pipe thus forming an abrupt shoulder adjacent the discharge end of the tail pipe,

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2,496,352
ABRASIVE WHEEL
Leopold H. Metzger and Vincent John Fantozzi, Chicago, Ill., assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill., a corporation of Illinois
Application April 2, 1945, Serial No. 586,050
4 Claims. (Cl. 51—209)



1. As a new article of manufacture, an abrasive wheel adapted to grind the tips of cutting tools and comprising a rigid disc-like body provided with means whereby it may be connected to a power driven shaft so that its axis is in alignment with the axis of the shaft, an inner annular band mounted fixedly on one side face of the body, embodying abrasive particles of fine mesh, having the central and inner marginal portions of its outer side face forming the normal grinding surface for the inner band and preformed so that they are coplanar and flat, and having the outer marginal portion of its said outer side face extending at an obtuse angle to the central and inner marginal portion of said outer side face and arranged so that it is inclined outwards towards the body, and an outer annular band mounted fixedly on said one side face of the body in concentric relation with the inner band, embodying abrasive particles of coarse mesh, and having its outer side face extending in the direction, and forming a continuation, of, the outer marginal portion of the outer side face of the inner band.

2,496,353
METHOD FOR THE PRODUCTION OF COPPER OXIDE PELLETS
William C. Moore, Stamford, Conn., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 12, 1947, Serial No. 785,541
10 Claims. (Cl. 252—430)

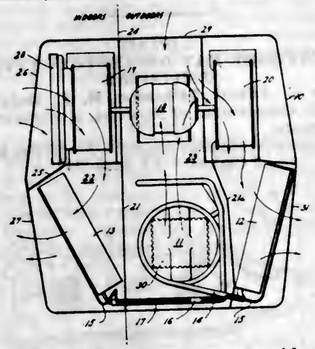
1. The method for the preparation of a mixture which may suitably be pelleted to form cupric oxide pellets of high mechanical strength, the said method comprising heating at a temperature within the range of from about 95° to about 135° C. for a period of from about one-half to about two and one-half hours a mixture which consists essentially of powered cupric oxide, from about 0.5 to about 3.5 parts per 100 parts of cupric oxide of a normal, monocarboxylic acid having from 12 to 20 carbon atoms and from about 0.3 to about 0.7 parts per part of said monocarboxylic acid of an ethanolamine.

2,496,354
METHOD OF INHIBITING HYDROGEN SULFIDE CORROSION OF METALS
Melvin I. Moyer, Pawhuska, and Joseph M. Hersh, Bartlesville, Okla., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Original application September 11, 1947, Serial No. 773,505. Divided and this application September 11, 1947, Serial No. 773,506
3 Claims. (Cl. 252—8.55)

1. The process of preventing corrosion of metals exposed to contact with brines containing corrosive sulfur compounds which comprises incorporating in the brine a small proportion of melamine.

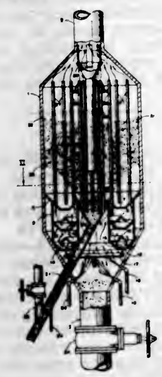
2,496,355
AIR CONDITIONING APPARATUS
Frank D. Peltier, Jenkintown, and Matson C. Terry, Rydal, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application March 4, 1948, Serial No. 13,037. Divided and this application February 3, 1949, Serial No. 74,362
3 Claims. (Cl. 62—129)

1. In air conditioning apparatus: evaporator, compressor and condenser elements; a housing having an open top; partition means within said housing defining evaporator, compressor and condenser chambers; means releasably supporting said evaporator, compressor and condenser elements each within a corresponding one of said chambers, said partition means having reentrant portions opening toward said open top, said evaporator, compressor and condenser elements being provided with flow conduits interconnecting said elements in refrigerant flow circuit, said conduits extending across said partition means and through said reentrant portions; and a support member extending across and releasably secured to each of said elements to provide a rigid unitary assembly, said assembly being re-



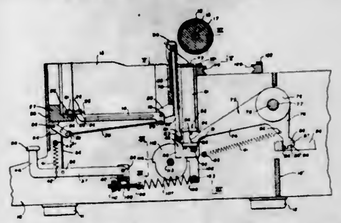
movable from said housing through said open top without interference from said partition means and without disconnection of said flow conduits.

2,496,356
CATALYTIC APPARATUS
Nick P. Peet, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 13, 1944, Serial No. 535,433
3 Claims. (Cl. 23—288)



1. A catalytic reactor comprising a vessel, a tray attached to the walls at an intermediate point in said vessel so as to divide the vessel into upper and lower compartments, said tray having an opening in the center thereof and an annular opening arranged concentrically between said central opening and the walls of said vessel to permit the passage of material from the upper compartment to the lower compartment, a conduit sealing off said central opening and arranged to discharge into said vessel above said tray, upstanding open ended pipes attached to said tray and arranged to pass fluid from the under side thereof to the upper end of said vessel, inlets for fluid in the lower end of said vessel below said tray, baffle means between said tray and said inlets for directing fluid into the lower ends of said pipes, a catalyst outlet at the bottom of said vessel, and a product outlet at the upper end of said vessel.

2,496,357
TYPING AND PRINTING MECHANISM FOR ACCOUNTING MACHINES AND THE LIKE
Clifton King Rainey, Knoxville, Tenn., assignor, by mesne assignments, to Rainey Accounting Machine Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Application November 16, 1945, Serial No. 629,185
4 Claims. (Cl. 101—46)



1. In a device of the character described, the combination with a frame, of a carriage movably mounted on said frame, a platen on said carriage, a computing type bar segment on said frame, a typewriter type bar segment on said frame, a plurality of computing type bars included in said first named segment, a plurality of typewriter type bars included in said second named segment, means for independently positioning each of said computing and typewriter bars relative to said platen, and a combined hammer and bar guide coextensive with all of said computing and typewriter type bars to respectively effect the printing of computing type bars and the guidance of typewriter type bars toward said platen.

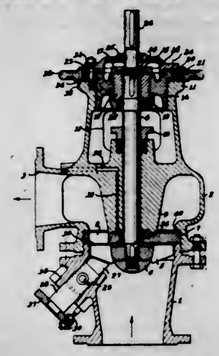
2,496,358
PROCESS FOR PRODUCING CONDENSATION PRODUCTS
John Ross, Ramsay, and Arthur Ira Gebhart, Union, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application August 28, 1946, Serial No. 693,571
5 Claims. (Cl. 260—342.4)

1. The process comprising treating peroxide contaminated olefinic hydrocarbons having 8 to 24 carbon atoms per molecule with a reducing agent to destroy the peroxides, distilling the hydrocarbons from the treated material whereby a peroxide-free distillate is obtained, and heating said distillate while still peroxide-free with approximately the stoichiometric amount of maleic anhydride for about one to four hours at a temperature of about 150° to 250° C. in an inert atmosphere whereby simple condensation products of said olefine and said maleic anhydride are produced in high yield relative to the yield of complex condensation products.

2,496,359
PUMP DISINTEGRATOR
Walter Rymann, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application May 2, 1946, Serial No. 666,681
In Switzerland March 30, 1946
6 Claims. (Cl. 103—89)

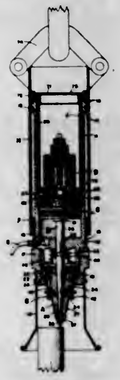
1. In a bearing structure permitting the axial adjustment of a rotating shaft, the combination including a shaft, a bearing sleeve assembly in which said shaft is journaled and held against relative axial movement in either direction, a

stationary frame structure in which said bearing assembly is mounted slidable axially, an internally threaded adjusting member engaging external threads on said bearing assembly, and ad-



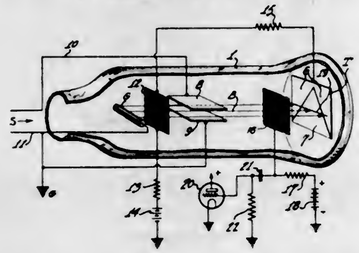
justable retaining means fixing said bearing assembly against rotation in said frame and adjustably limiting its axial movement relative thereto without engaging said adjusting member.

2,496,360
ELEVATOR FOR PIPES
Albert L. Stone, Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application February 10, 1947, Serial No. 727,712
5 Claims. (Cl. 294—96)



1. A pipe elevator comprising in combination a body, a mandril mounted on said body and arranged to assume an expanded state and a contracted state, a tapered member carried by the mandril slidably movable from a first to a second position and forcing the mandril from its contracted to its expanded state as said tapered member moves from its first to its second position, means carried by the body arranged for moving said tapered member from its first to its second position, a trigger mechanism including a contact member carried by the body arranged to lock the tapered member in its first position when the contact member is in a first position and to release said tapered member when the contact member is in a second position, said contact member being arranged to be moved from its first to its second position upon contacting the pipe to be engaged by the elevator.

2,496,361
CATHODE-RAY DEFLECTION TYPE AMPLIFIER
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 13, 1946, Serial No. 696,792
3 Claims. (Cl. 315—30)



1. A cathode ray tube system comprising, an envelope containing a gun adapted to produce a flat electron beam, means for deflecting the beam perpendicularly to its flat sides in proportion to received signals, a target having scanning lines of successively increasing length transverse to the direction of the beam deflection, an anode for collecting secondary electrons emitted by said target, and a screen mesh in the path of the beam and a circuit connecting said screen and said target for superimposing the variations of the potential of the target on the potential of the screen.

2,496,362
PROCESS OF PRODUCING OIL FILMS
John E. Vallerie, Norwalk, Conn.
No Drawing. Original application March 13, 1942, Serial No. 434,538. Divided and this application July 22, 1944, Serial No. 546,219
7 Claims. (Cl. 123—196)

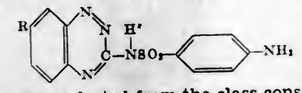
1. The process of providing an oil film on interior surfaces of an internal combustion engine prior to firing the same comprising the steps of atomizing plating oil; injecting said oil, under pressure, into the interior of the engine; applying a suction directly to an interior passage of the engine at a point remote from the point of injection and drawing said atomized oil through the passages of the engine; and turning said engine over a plurality of times by an outside source of power.

2,496,363
PROCESS FOR PREPARING CERTAIN PANTOTHENIC ACID SALTS
Evelyn H. Wilson, Newark, and John Weijlard and Max Tishler, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application August 27, 1948, Serial No. 46,548
16 Claims. (Cl. 260—534)

1. The process that comprises reacting substantially equi-molecular amounts of 1-α-hydroxy-β,β-dimethyl butyrolactone and β-alanine in an anhydrous lower aliphatic alcohol with at least a molecular equivalent of a substance selected from the group consisting of secondary and tertiary amines, adding to the alcoholic reaction mixture a stoichiometrically equivalent amount of a substance selected from the class consisting of calcium oxide and sodium alcoholates and allowing the solution thus obtained to stand for crystallization of the corresponding metal salt of d-pantothenic acid.

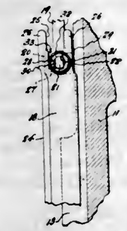
2,496,364
3 - SULFANILAMIDO-BENZOTRIAZINES-1,2,4 AND METHOD FOR THEIR PREPARATION
Frank J. Wolf, Westfield, and Karl Pfister, III, Summit, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application August 21, 1946, Serial No. 692,146
11 Claims. (Cl. 260—239.6)

1. A compound represented by the formula



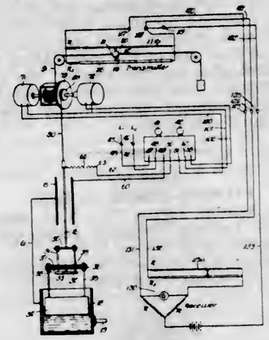
wherein R is selected from the class consisting of hydrogen and halogen substituents.

2,496,365
WEAR TAKE-UP ADJUSTING MEANS FOR RECIPROCATING KNIVES OF CLOTH-CUTTING MACHINES
William Aaron, Brooklyn, N. Y.
Application July 17, 1946, Serial No. 684,191
3 Claims. (Cl. 30—273)



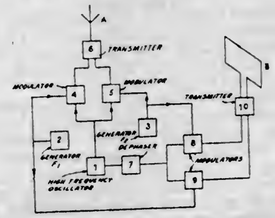
1. In a cloth-cutting machine of the reciprocating knife type, in combination with the vertically reciprocated coupler jaw of the machine, a screw-threaded coupler stud projecting from said jaw, a clamp-nut threaded onto said coupler stud, a knife attachable to said coupler jaw, said coupler stud being provided at respective opposite sides with perpendicular abutment faces, said knife having a bifurcated upper end portion providing the same with a downwardly extending entering notch which terminates at its lower end in a transverse seating slot to receive the extension therethrough of said coupler stud, said seating slot being of substantially greater width than the transverse width of said stud and of a height corresponding to the vertical diameter of said stud, said seating slot having perpendicular side margins respectively subject to abutment by the respective abutment faces of said stud according to the laterally adjusted position of said knife relative to said stud, and said knife end portion having clamp nut bearing means disposed to overhang said seating slot, whereby to be lapped by said clamp nut, in common with other areas of the knife adjacent said seating slot, so as to grip and rigidly hold said knife between said nut and coupler jaw in selected laterally advanced adjusted position.

2,496,366
LIQUID LEVEL GAUGE
Samuel L. Adelson, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application October 25, 1946, Serial No. 705,577
5 Claims. (Cl. 177—380)



1. Apparatus for measuring the motion of an element comprising an element the motion of which is to be measured, a contact member adapted to engage said element, a double immediately responsive inertialess relay, an actuating circuit for said relay including said element and said member, a pair of unidirectional motors in opposed spaced relationship, said motors being so connected to said relay that either one or the other receives power through the relay, a differential system connected to said motors and so constructed and arranged that it is motionless when both motors operate at the same speed but rotates if either motor operates at a higher velocity than the other, and means operatively connecting said contact member to said differential system, whereby the contact member is positioned by movement of the system.

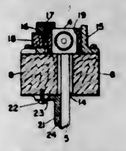
2,496,367
RADIO BEACON SYSTEM
Joseph Alcardi, Versailles, France, assignor to Societe Francaise Sadir-Carpentier, Paris, France, a corporation of France
Application July 1, 1947, Serial No. 758,333
In France October 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 18, 1963
3 Claims. (Cl. 343—107)



1. A radio beacon transmitter system comprising an omnidirectional antenna, a first transmitter connected to said omnidirectional antenna, modulator means connected to modulate said first transmitter in accordance with a pair of modulation frequencies, a directional antenna, a second transmitter connected to said directional anten-

na, means for modulating said second transmitter in accordance with said pair of modulation frequencies, and a phase control device for defining the relative phase between the high frequency waves transmitted by said omnidirectional antenna and said directional antenna to produce a resultant field having substantially equal modulation by the two modulating frequencies along one predetermined direction from the transmitter system, said resultant field being further characterized in that one of the modulating frequencies predominates on one side of the predetermined direction and the other modulating frequency predominates on the other side of said predetermined direction.

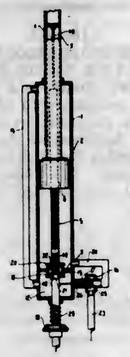
2,496,368
PICKER STICK GUIDE
Everett H. Ashton, Jersey City, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 16, 1946, Serial No. 670,241
2 Claims. (Cl. 139—146)



1. In a loom, a forwardly and rearwardly reciprocating lay having substantially parallel top and bottom surfaces, a shuttle box mounted on the top surface of said lay including a front box plate and a back box plate, said box plates including shuttle engaging surfaces normal to said lay surfaces, an elongated slot in said lay through which the picker stick is adapted to move, and an elongated angle member mounted on the bottom surface of said lay, said angle member having one web positioned against said bottom lay surface and the other web presenting a surface for engagement by the picker stick normal to said lay surfaces, and means for laterally adjusting the position of said angle member relative to said slot whereby the picker stick may be aligned with the center line of the shuttle entering said box.

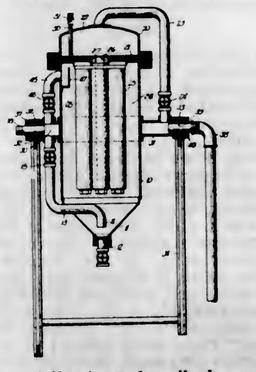
2,496,369
FOLLOW-UP AND PRESSURE FLUID TYPE SERVOMOTOR
Ludovicus Hendrikus Baghuis, Utrecht, Netherlands
Application October 29, 1945, Serial No. 625,128
In the Netherlands March 27, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1962
3 Claims. (Cl. 121—41)

1. An apparatus for transforming rotary motion into rectilinear motion with the aid of hydraulic or pneumatic means, in particular an auxiliary steering mechanism for motor vehicles comprising in combination a cylinder and a piston forming one pair of cooperating elements, one element of which being stationary and the other being locked against rotation and adapted for rectilinear displacement, a screw spindle and a nut forming a second pair of cooperating elements, one element of which being attached without play to the rectilinearly displaceable element of the first mentioned pair of elements and the other being adapted for rotation and restricted axial movement and capable of rotating freely through a certain angle before actuating the rectilinearly displaceable element, cylinder spaces situated on both sides of the piston, and poppet valves for the supply of pressure fluid to and discharge thereof from said cylinder spaces, and consisting of movable valve discs and stationary seats, said valves being adjusted by and during the free rotation of said rotatable



element and the valve discs of at least part of the number of valves being mounted on said rotatable element and adapted to be closed and opened by the slight axial displacement of said rotatable element, said mounted valve discs and cooperating with their respective stationary seats and constituting abutments to confine axial displacement of said rotatable element.

2,496,370
APPARATUS FOR FILTRATION OF LIQUIDS
Edgar W. Baily, Purley, England, assignor to Paterson Engineering Company, Ltd., London, England, a corporation of Great Britain
Application May 24, 1947, Serial No. 750,241
In Great Britain July 9, 1946
8 Claims. (Cl. 210—180)



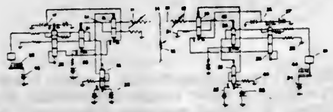
1. A filter of the type described comprising a rotatably mounted filter casing, a partition in said casing forming an outlet chamber at one end thereof, and a filter chamber at the other end thereof and a constantly open passageway between said chambers, a solids outlet from said filter chamber, a filter element mounted on said partition and so positioned as to discharge through said passageway into said outlet chamber, a supply inlet associated with said casing, a conduit leading from said supply inlet and discharging into said filter chamber adjacent to said solids outlet, a second conduit leading from said supply inlet into said filter chamber and discharging adjacent said partition, and an outlet from said outlet chamber.

2,496,371
STEEL WOOL HOLDER
William A. Baker, San Rafael, Calif., assignor to Baker Novelty Company, Los Angeles County, Calif., a corporation of California
Application February 10, 1948, Serial No. 7,396
1 Claim. (Cl. 15—209)



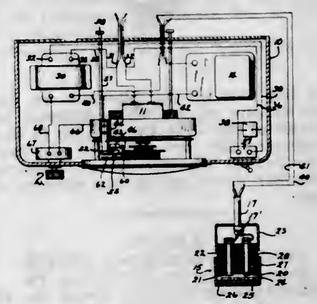
A scouring pad holder, comprising a cylindrical shell having a top provided with a central opening and being open at its bottom end, circumferentially spaced depending resilient prongs secured to the lower end of the shell and extending below the shell for a substantial distance, the prongs being provided near their lower free ends with radially inwardly projecting integral barbs, a cylindrical block loosely mounted within the cylindrical shell above the prongs and freely shiftable axially therein, the upward axial movement of the block being limited by the top of the shell, the block including a central upstanding knob slidably projecting through the opening of the top of the shell, and a centrally located hook secured to the bottom of the block, the prongs receiving within them and surrounding a scouring pad, the hook and barbs engaging within the scouring pad, the block serving as a plunger to feed the scouring pad downwardly when the knob is depressed.

2,496,372
TWO-WAY POLAR TELEGRAPH SYSTEM
Sidney Alfred Barrett, Montreal, Quebec, Canada
Application June 3, 1944, Serial No. 538,572
In Canada June 12, 1943
5 Claims. (Cl. 178—58)



5. In a telegraph communication system, a line, a polarized relay at each end of the line, means at each end of the line for transmitting two different signalling impulses and means at each end of the line for receiving two different signalling impulses with means provided for repeating these signalling impulses into a local circuit, the said polarized relay arranged as part of the receiving device in such a manner that two different signalling impulses will have an equal and opposite effect regardless of the series resistance of the line and/or the insulation resistance of the line and means at each end of the circuit whereby the receiving relay is held to its closed or marking contact during the time that signalling impulses are being transmitted into the line by the local circuit, means provided in the apparatus so that when either one of the two signalling impulses are transmitted to the line an equal and opposite polarity is applied at the receiving end of the line in such a manner that the bias current in the line and receiving relay will be reversed for each reversal of polarity applied by the transmitting relay at the sending end of the line, the reversal of polarity at the receiving end in response to reversal of polarity at the sending end is applied to the line at the receiving end by the marking and spacing contact of the line relay at the receiving end in such a manner that the marking and spacing signalling impulses as transmitted from the sending end of the line will have the same effect on the polarized relay connected in the line both for marking and a spacing impulse.

2,496,373
AUXILIARY BED CONTROLLED SWITCH FOR ELECTRIC ALARM CLOCKS
Daniel E. Belich, West Allis, Wis.
Application December 8, 1945, Serial No. 633,681
8 Claims. (Cl. 161—22)

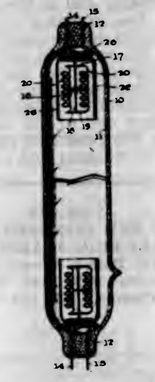


6. In a device for rendering an alarm circuit operative at the time for which the alarm is set only when a bed is occupied at such time, the combination with an electrical alarm and a circuit for the operation thereof including a source of energy, of a pair of switches connected in series with said circuit, a time clock adjustably connected with one of said switches for the closing thereof at a selected hour, the other switch comprising a pair of contacts, a dielectric support in which said contacts are mounted, a hook for suspending the dielectric support and contacts from the bed bottom, and a circuit closer movable with respect to the dielectric member and normally in circuit opening position, the position of said hook respecting the circuit closer being such that the circuit closer will normally be supported clear of the floor beneath the bed bottom save when the bed is occupied and will engage such floor to close said last mentioned switch contacts when the bed is occupied.

2,496,374
TUBULAR ELECTRIC LAMP
Charles Philippe Boucher and Russell W. Keiser, Atlanta, Ga., assignors to Boucher and Keiser Company, Atlanta, Ga., a partnership composed of Charles P. Boucher and Russell W. Keiser
Application November 24, 1943, Serial No. 511,602
1 Claim. (Cl. 176—126)

A lamp of the type described comprising an envelope with an electrode assembly at each of

two ends thereof, each electrode structure comprising a filament member having a plurality of equipotential points distributed throughout its length and a shell member substantially enclosing the filament member except at one end thereof, the walls of the shell being substantially par-



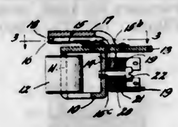
allel to the axis of the filament, an electron emissive coating on the whole filament and on the interior of the shell, the exterior of the shell being substantially non-emissive, said members being electrically separate and a conductor for each member extending to the exterior of the envelope.

2,496,375
CIGARETTE MAKING DEVICE
Harry W. Carter, North East, Pa.
Application October 12, 1945, Serial No. 621,947
1 Claim. (Cl. 131—75)



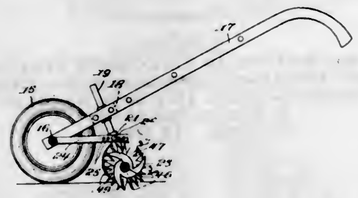
A cigarette-making device comprising a cylinder, a plunger fixed to and within said cylinder, a ring slidable on said cylinder, said ring having a pair of outwardly-extending tabs struck out of the material thereof, said tabs providing finger grips to facilitate sliding movement of said ring over said cylinder, a longitudinal slot in said cylinder, a lug on said ring, said lug being struck out of the material of said ring and projecting inwardly through said slot, a tubular mold telescopically connected to said cylinder, said mold being split along part of its length to form two semi-circular sections, a hinge for connecting said sections, said hinge being formed internally of said mold, whereby when said sections are in open position they are adapted to form a scoop for scooping a charge of tobacco from a source of tobacco, and when in closed position, they are adapted to receive a cigarette paper tube therearound, said plunger having a notched portion for clearing said hinge, said mold having an opening in the unsplit portion thereof, said lug extending through said opening, whereby when the mold is filled with tobacco and a cigarette paper tube is fitted over said mold, movement of said ring along said cylinder causes said mold to be withdrawn to a position within the cylinder while said cylinder ejects the paper tube and said plunger ejects the tobacco to form a completed cigarette.

2,496,376
INTERRUPTER
Le Roy A. Cleaveland, Mountainside, and Frank H. Tooker, West Orange, N. J., assignors to United States Instrument Corporation, Summit, N. J., a corporation of New Jersey
Application September 3, 1947, Serial No. 771,876
7 Claims. (Cl. 172—126)



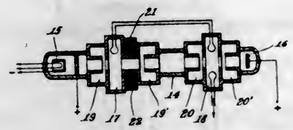
1. In a current interrupter for electrical circuits, a U-shaped pole-piece forming part of a magnetic circuit, an armature adapted to complete said circuit, a coil surrounding one leg of said pole-piece, and means for rapidly interrupting the current through said coil, said last means comprising a pair of contacts in series with said coil, one of said contacts being fixed and the other movable with said armature, a contact post, said fixed contact being secured on said contact post and said contact post being deformable to vary the normal distance between said contacts, and spring means rigid with said pole-piece for suspending said armature with its midpoint opposite the other leg of said pole-piece.

2,496,377
LAWN EDGER
Richard Cochran, South Gate, Calif.
Application June 3, 1948, Serial No. 30,950
2 Claims. (Cl. 56—256)



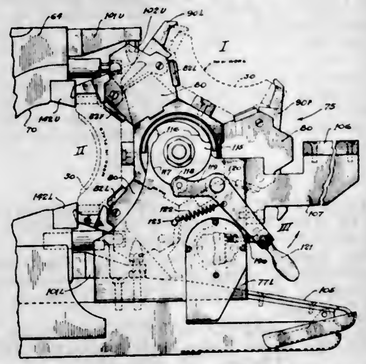
1. In a lawn edging device, a main supporting wheel, a push handle connected to said supporting wheel, a forked member connected to said handle and extending downwardly therefrom, a power wheel mechanism journalled in said forked member, a pair of parallel cutting blades rotating at different cutting speeds and connected to said power wheel mechanism, said power wheel mechanism including a rim, side plates for rotatably supporting said rim, a sleeve journalled in said side plates, one of said cutting blades being secured to said sleeve, a shaft journalled in said sleeve and connected to the other of said cutting blades, means connecting said rim and sleeve and shaft together, said power mechanism being adjustable whereby said cutting blades can be adjusted to cut at different elevations, and means for maintaining said power mechanism immobile in its adjusted position.

2,496,378
CAVITY RESONATOR DEVICE FOR ULTRA-SHORT WAVES
Frederik Coeterier, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 24, 1946, Serial No. 664,498
In the Netherlands June 27, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 27, 1962
12 Claims. (Cl. 315—6)



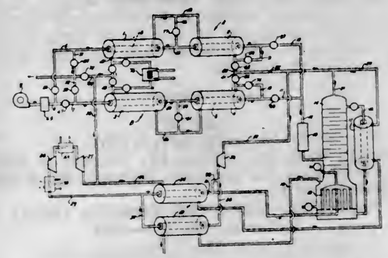
1. A cavity resonator system comprising a first cavity resonator and a second cavity resonator having a resonant frequency corresponding to the resonant frequency of said first resonator, said resonators having contiguous wall portions provided with coincident apertures, the diameter of said apertures being less than the axial dimension of said first cavity resonator, and said second resonator being provided in another wall portion thereof with a second aperture in line with said first apertures.

2,496,379
MACHINE TOOL
Isaac Eugene Cox, Kirkwood, Mo., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application August 31, 1948, Serial No. 47,051
14 Claims. (Cl. 77—1)



1. In a boring machine for machining arcuate bearing surfaces in segmental bearings and the like, a bed having a longitudinal reciprocable table mounted thereon, at least one cutting tool rotatably mounted on said bed and over said table and parallel to the path of reciprocation of said table, means for rotating said cutting tool so that the cutting elements thereof move downwardly on the side thereof that is adjacent the forward side of said bed, a cross slide mounted on said table for horizontal reciprocation from front to rear thereof, pressure fluid operated means on said table for imparting such reciprocation to such said cross slide, an upstanding column mounted on said table adjacent the rear edge thereof for reciprocation with said table, said column having a cut out portion affording clearance for said cutting tool and said column also having a forward face having forwardly facing positioning surfaces disposed above and below such cut out portion for engagement by opposite edge surfaces of such a segmental bearing or the like, said positioning surfaces being disposed in a vertical plane, said column also having a chip disposal passage formed therein and extending rearwardly and downwardly from the upper edge of the lowermost one of said positioning surfaces, a work supporting member mounted on said cross slide adjacent the forward end thereof and having work receiving position adapted to face rearwardly to support a segmental bearing in a rearwardly facing location, and interengageable guiding and positioning means on said supporting member and said column for accurately positioning said work supporting member as said work supporting member is moved rearwardly.

2,496,380
GAS PURIFYING METHOD AND APPARATUS
Duffer B. Crawford, Jeannette, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application April 18, 1946, Serial No. 662,937
6 Claims. (Cl. 62—175.5)

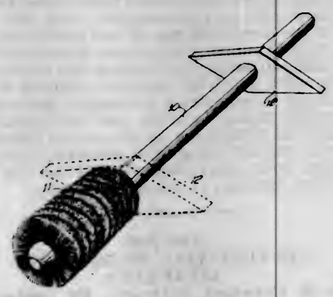


1. Continuously operable gas purifying apparatus for use with a gas separation unit, comprising a pair of heat exchangers each having a passage therethrough for an incoming gaseous mixture flowing to the separation unit, each exchanger having another passage therethrough for countercurrent flow of an outgoing cold gas separated in said unit, means for stopping the flow of said gaseous mixture to either of the exchangers while it is flowing through the other one, means for directing said outgoing gas to the exchanger through which said mixture is flowing, whereby to cool the mixture, means for conducting the gas leaving said last-mentioned exchanger to the warm end of the gas passage in the other exchanger for reverse flow therethrough, and means for conducting the gas leaving the cold end of said last-mentioned gas passage to the adjacent cold end of the mixture passage in the same exchanger for reverse flow through said mixture passage to remove any matter deposited therein by the cooled gaseous mixture previously flowing through it.

2,496,381
DOPE BRUSH
William G. Cummings, Tulsa, Okla.
Application May 23, 1946, Serial No. 671,671
1 Claim. (Cl. 15—143)

As an article of manufacture, a device for applying a combination lubricating and sealing compound to an internally threaded section of

drill pipe including an elongated handle having laterally extending substantially cylindrical compound-carrying bristles on one end; and a relatively wide rubber guard member longer than the diameter of the pipe and having a transverse bore receiving said handle member and a flat surface adjacent to the bristles, said member being



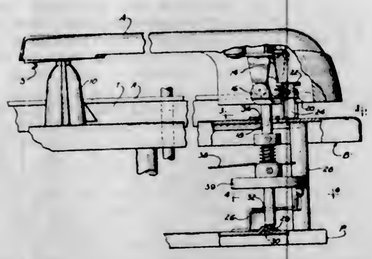
frictionally retained on said handle throughout the length thereof in transverse relation to its longitudinal axis and adjustable longitudinally on said handle throughout the length thereof, the major dimension of said guard being lateral of the handle and greater than the lateral dimension of the bristles.

2,496,382

TONE ARM MOUNTING

Colin B. Dale, Barrington, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois

Application April 1, 1947, Serial No. 738,554
1 Claim. (Cl. 308—139)



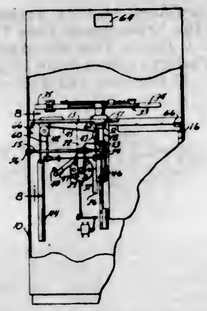
A phonographic tone arm mounting comprising a vertically extending pivot shaft, a bearing member embracing said shaft, said bearing member being provided with an aperture having converging, substantially straight edge portions adapted to cooperate with said shaft, a fulcrum member disposed to cooperate with said shaft and located between the ends of the same, and a support member disposed at the lower end of said shaft, said support member and the lower end of said shaft being formed respectively with interengaging camming means arranged to urge said shaft laterally against said fulcrum member to maintain said shaft in contact with said converging edge portions of said bearing member.

2,496,383

APPARATUS FOR HEAT-TREATING METAL OBJECTS

Alto J. Davis, Montgomery, Ala.

Application October 22, 1948, Serial No. 56,013
3 Claims. (Cl. 266—4)



3. Apparatus for heat treating metal objects comprising a table, means supporting said table at a height convenient to an operator using the apparatus, a post extending through said table, means carried by said table supporting said post for rotation about its longitudinal center line and for longitudinal movement relative to said table, an object carrier pivotally connected intermediate its length to said post above said table for tilting movements about an axis substantially perpendicular to the axis of rotation of said post, an object holder at one end of said carrier movable in an arcuate path about said post, an object supporting pillow on said table within the arcuate path of movement of said holder for supporting an article while being positioned in said holder, a quenching tank spaced from said pillow along said arcuate path of travel and positioned below said table, a heating burner between said pillow and said quenching tank and directed to heat the bottom end of an object supported in said holder, and means carried by said table restraining said carrier against tilting movement except when said holder is over said quenching tank.

2,496,384

EMULSION POLYMERIZATION PROCESS FOR THE MANUFACTURE OF COPOLYMERS OF HOMOGENEOUS COMPOSITION

Willem Leendert Johannes de Nie, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 22, 1946, Serial No. 685,380. In the Netherlands August 28, 1945
7 Claims. (Cl. 260—86.3)

1. In a process for production of copolymer of substantially homogeneous composition wherein a mixture containing at least 1% each of monomers of two substantially water-insoluble polymerizable compounds, each of which contains the polymerizable group

$$CH_2{=}C\diagdown$$

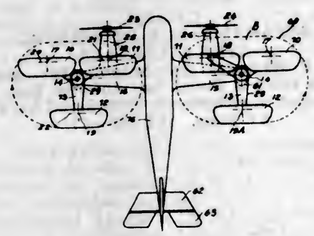
and no other polymerizable group, is subjected to polymerizing conditions in aqueous emulsion, the improvement which comprises introducing a mixture of monomers of the polymerizable compounds to the reaction mixture at about the moment when copolymerization begins, the composition of the added monomers being substantially the same as the composition of the monomer constituents chemically combined in the copolymer; continuing the addition of the monomer mixture during the course of the copolymerization at about the rate at which copolymer is formed so that the composition of the monomers undergoing copolymerization does not appreciably change during the polymerization; and stopping the copolymerization at about the same time that addition of further monomers to the copolymerizing mixture is discontinued.

2,496,385

AERODYNE HAVING WINGS MOVABLE IN CIRCULAR TRANSLATION

Jean Pierre Drapier, Lyon, France

Application November 21, 1945, Serial No. 630,012
In France November 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 7, 1964
7 Claims. (Cl. 170—135.23)



1. In an aerodyne, at least one wing structure freely movable under the effect of a relative wind in circular rotation the plane of which is nearly parallel to the direction of the longitudinal axis of said aerodyne, each of said wing structures comprising a plurality of identical parallel wing elements located in said plane, a frame freely rotatable about an axis perpendicular to the plane of the leading edges of said wing elements, an axle parallel to said axis of rotation, carried by said frame at each apex of a regular polygon centered upon said axis of rotation and adapted to carry the corresponding wing element close to the center of thrust thereof in rotating relation with respect to said frame, means for maintaining the leading edges of said wing elements parallel to each other during said circular rotation, means for cyclically varying the incidence of said wing elements so that said relative wind pushes back the rotating elements having the higher incidence, means for generating said relative wind and said cyclically varying means being adjustable to a neutral position wherein no variation of incidence exists between the plurality of wing elements and the wing structure will cease to rotate.

2,496,386

SINGLE-BATH CHROME DYEING PROCESS FOR WOOL

Friedrich Felix and Alphonse Heckendorn, Basel, Ernst Reich, Neue Welt, and Fritz Oesterlein, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application September 20, 1945, Serial No. 617,697. In Switzerland October 6, 1944
4 Claims. (Cl. 8—43)

1. A process for the production of fast dyeings on wool which comprises performing the dyeing

operation with an ester of a monoazo dyestuff of the formula

$$x{-}R_1{-}N{=}N{-}R_2{-}y$$

wherein R_1 stands for an aromatic nucleus of the benzene series, x stands in ortho-position relatively to the —N=N— group and represents a member of the group consisting of —OH and —COOH, R_2—y stands for the radical of a coupling component, y being a hydroxyl group which stands in ortho-position to the —N=N— group, at least one of said hydroxyl groups being acylated by a benzoyl radical which contains at least one and at the most two sulfonic acid groups and is free from further substituents, such dyeing being conducted by the single bath process according to which the material to be dyed is treated in a medium having a pH within the range from substantially 6 to substantially 7.35, with a solution containing at the same time dyestuff, an alkali chromate, and ammonium sulfate.

2,496,387

COMPOSITION OF MATTER SUITABLE FOR DENTAL LINERS

Arthur Fink, New York, N. Y.

No Drawing. Application February 6, 1946, Serial No. 645,959
10 Claims. (Cl. 32—2)

1. A flexible, jelly-like composition of matter comprising a material selected from the group consisting of the synthetic resin ethyl and methyl methacrylate resin and polyvinyl resin and the plastic cellulose acetate, and twice as much by weight of a polyethylene glycol acetate plasticizer having a molecular weight not less than 200.

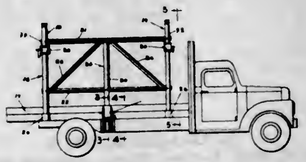
8. An article of manufacture in the form of a thin sheet of methyl methacrylate polymer carrying about twice as much polyethylene glycol acetate having a molecular weight of not less than 200, and adapted to serve as a denture liner.

2,496,388

LOG LOADING AND UNLOADING DEVICE FOR VEHICLES

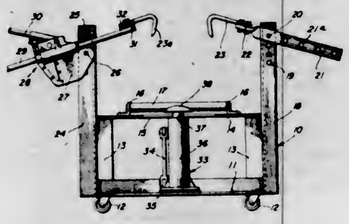
John Samuel Gilbey, Fredericton, New Brunswick, Canada, assignor to Horsnell's Machine and Iron Works, Ltd., Fredericton, New Brunswick, Canada

Application May 7, 1948, Serial No. 25,697
In Canada February 20, 1947
1 Claim. (Cl. 214—77)



In log loading and unloading devices for vehicles, a vehicle body, a loading device pivotally secured to one side of said body, hydraulic means for raising and lowering said loading device, a locking mechanism for securing the loading mechanism in an upright position, an unloading device having arms pivotally secured to the opposite side of said vehicle body, a lever pivotally secured to said vehicle body, a lock bar controlling the movements of said arms, links connecting said lock bar to said lever, and a catch adapted to engage and release said lever.

2,496,389
TIRE CASING SPREADER
Ben Goodman, Baltimore, Md., assignor to Greenmount Manufacturing Company, Baltimore, Md.
Application February 11, 1946, Serial No. 646,755
2 Claims. (Cl. 254—50.3)



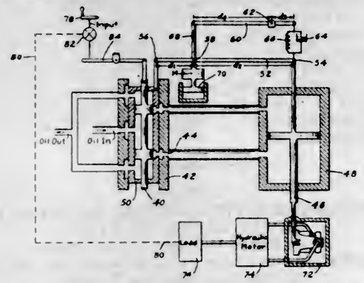
1. A tire spreader of the class described comprising a portable wheel supported carriage provided at opposite ends with uprights, a vertically adjustable lever pivotally mounted between the upper ends of said uprights at one end of said carriage, said lever being provided on its inner end with hooks, a jack, said jack including a fitting, said fitting being vertically adjustable and pivotally mounted between the remaining uprights, and a rod slidable in said jack and provided on its inner end with hooks independent of, spaced from, and coacting with the first named hooks.

2,496,390
CYCLIC ETHER PEROXIDE CATALYSTS IN THE POLYMERIZATION OF CONJUGATED DIOLEFINS
Henri Martin Guinot, Versailles, France, assignor to Les Usines de Melle (Societe Anonyme) Saint-Leger-les-Melle, France, a company of France
No Drawing. Application May 8, 1945, Serial No. 592,716. In France September 7, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires September 7, 1959
7 Claims. (Cl. 260—94.2)

1. In a process for catalytically polymerizing conjugated diolefin hydrocarbons, the improvement that comprises catalyzing the polymerization with a peroxide of a cyclic ether, said ether having one carbon-oxygen nucleus which contains two oxygen atoms and not less than three nor more than six carbon atoms, at least two of said carbon atoms being linked together directly.

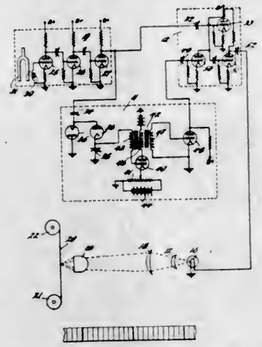
2,496,391
SERVO MECHANISM
Albert C. Hall, Boston, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application October 24, 1944, Serial No. 560,184
12 Claims. (Cl. 121—41)

1. A servomechanism having input means, output means, error-measuring means responsive to differences between the input and output means for generating an error signal as a function of said difference, means responsive to the error signal for operating the output means, the servomechanism having lag-producing elements acting to cause a phase-lag in the output relative to the input, compensating means having provision for diminishing attenuation with increasing frequency, said compensating means having



elements individually matched to the lag-producing elements of the servomechanism.

2,496,392
APPARATUS FOR RECORDING TIME INTERVALS
Arthur F. Hasbrook, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application September 27, 1948, Serial No. 51,424
6 Claims. (Cl. 346—33)

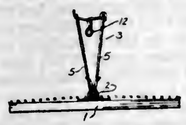


1. In a system for marking timing indicia on seismic records and the like, the combination with devices responsive to electrical signal impulses for recording time lines on a record at intervals determined by the period of said impulses, of a pulse source for generating a first series of electrical impulses at a predetermined frequency, electronic means responsive to said first series of impulses for generating a second series of impulses at a frequency which is a sub-multiple of the frequency of said first series of impulses, and means impressing on said recording devices energy representative of both said first and second series of impulses to effect distinctive marking of time lines at intervals corresponding to the intervals between said second series of impulses.

2,496,393
MOUSE AND RAT TRAP
William L. Hayden, Bryn Mawr, Pa.
Application November 16, 1946, Serial No. 710,364
2 Claims. (Cl. 43—82)

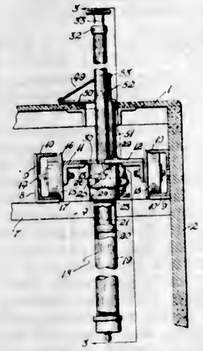
1. In an animal trap, the combination of a base, upstanding ears secured to the top of the

base adjacent its opposite sides and near the middle of said sides, a pair of looped jaws, each jaw comprising an outer terminal crossbar, a pair of side bars, and a bottom bar adapted to be positioned pivotally within a pair of said ears transversely of the said base, at least two coil springs surrounding the bottom bars of the jaws between the said ears and cooperating with the base and one of the side bars of each jaw to normally actuate the jaws to the sprung position of the



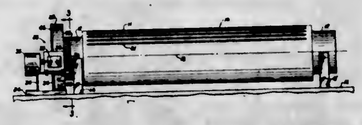
trap, thereby placing the terminal crossbars over the end portions of the base, and a bait holder having a pivotal connection at one end with one of the terminal crossbars, means located intermediate to the ends of said bait holder for holding the bait in a freely suspended position, and a terminal detent portion for detachably engaging the other terminal crossbar by a downward movement of the bait holder, and adapted to normally hold the looped jaws in an upright position over the base.

2,496,394
TAIL-HIDE STRIPPING ASSEMBLY
William J. Hincks, Norwood, Manitoba, Canada, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada
Application August 25, 1948, Serial No. 46,082
13 Claims. (Cl. 17—21)



1. In the art of skinning beef cattle, means for stripping the tail-hide from the tail-cartilage while the latter hangs vertically from the distal end thereof, which consists in the combination of a tail-cartilage clamp assembly suspended from the conventional carcass rail, and a tail-hide stripping assembly, said first assembly comprising a carcass-rail trolley, a pair of downwardly projecting tail-cartilage gripping jaws connected thereto and a jaw opening and closing action, said tail-hide stripping assembly comprising an elongated member attachable at one end thereof to a manually stripped piece of hide from the distal end of the tail, and means for effecting relative movement as between said jaws and said elongated member at the point of attachment thereof to said piece of hide so that the tail-hide is stripped from the tail cartilage downwardly as the latter moves horizontally.

2,496,395
APPARATUS FOR GROOVING ROLLS
Virgil S. Jackson, Weirton, W. Va., assignor to National Steel Corporation, a corporation of Delaware
Application April 29, 1948, Serial No. 23,885
1 Claim. (Cl. 90—56)



An indexing unit for turning a blooming mill roll about its longitudinal axis to position the roll for cutting a plurality of parallel longitudinal grooves in the roll surface, said roll having an irregularly shaped wobbler on at least one end and said unit comprising, in combination, support means including stationary longitudinally spaced apart plates, a bearing on each plate, said bearings presenting longitudinally spaced apart bearing surfaces each disposed in a plane normal to the longitudinal axis of the roll, a wrench member having a wobbler receiving recess extending longitudinally through the member with the recess being shaped to fit over the wobbler and have the wobbler extend therethrough, a ring gear extending about the external periphery of the wrench member and extending outwardly between the spaced plates, said wrench member having longitudinally extending bearing shoulders disposed on opposite sides of the ring gear and said bearing shoulders being rotatably mounted on said bearing surfaces, gear means including a gear rotatably mounted on and between said plates and meshing with said ring gear, and a drive motor connected to the gear means for actuating the gears and rotating the wrench member and the roll.

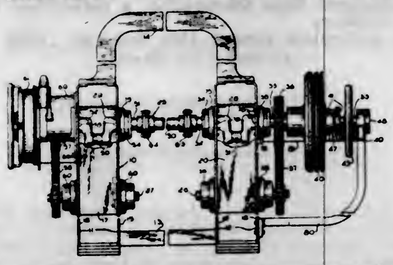
2,496,396
MANUFACTURE OF INORGANIC OXIDE SPHERICAL PARTICLES
Louis S. Kassel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 22, 1947, Serial No. 793,307
4 Claims. (Cl. 252—448)

1. In a process for the manufacture of spherical particles wherein an inorganic oxide sol capable of setting to a hydrogel is passed in the form of droplets into a water-immiscible liquid suspending medium in a forming zone, the method of preventing agglomeration of hydrogel particles on the internal surfaces of said forming zone which comprises interposing between said internal surfaces and said suspending medium a solid polymer of ethylene preferentially wetted by but substantially insoluble in said suspending medium.

2,496,397
MULTISECTION CRANKSHAFT
Francis Gerard Lake, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application June 10, 1947, Serial No. 753,601
8 Claims. (Cl. 139—1)

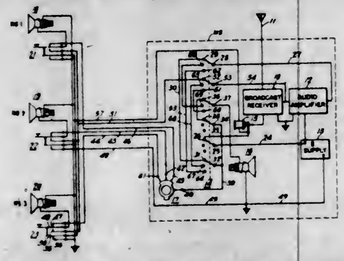
1. In a loom, a pair of loomsides having openings adjacent their upper ends, a frame piece connected to one of said loomsides on the outer side of said latter loomside, and defining an additional opening substantially at the same level as said loomside openings said loomsides and said

frame piece being cut away from their upper ends to permit shaft ingress into said openings, a crank shaft for operating the lay oscillating



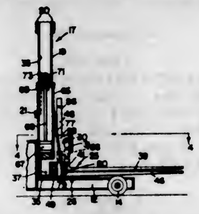
swords extending across said loomsides and in said openings, and bearings for said shaft supported in said loomsides and said frame piece and centered in said openings.

2,496,398
COMBINED RADIO AND INTERCOMMUNICATION SYSTEM
William J. Lambert, North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 13, 1945, Serial No. 604,874
5 Claims. (Cl. 179—2)



1. A system of the type described comprising: a master station including a source of program sound, an audio amplifier the source of said program sound being connected to input of said audio amplifier, a source of current relay means connected to said current source for energizing said program source and thus applying program sound to the input of said amplifier, and a microphone-speaker; a plurality of remote stations each including a microphone-speaker; a plurality of lines one individual to each remote station extending therefrom to said master station; first, second and third auxiliary lines extending between said master station and all said remote stations; switch means at each remote station operable in a first position to connect the microphone-speaker at that station between said first auxiliary line and the line individual to that station and operable in a second position to connect the microphone-speaker at that station between said first and second auxiliary lines and connect said first auxiliary line to said third auxiliary line; a master conductor at said master station; first switch means at the master station operable to selectively connect said master conductor to any or all of said individual lines; second switch means at said master station movable into any one of three positions and operable in the first position to connect the output of said amplifier between said first auxiliary line and said master conductor, to the microphone-speaker at the master station and to connect said second auxiliary line to the input of said amplifier and to connect said relay means and said current source in series between said first and third auxiliary lines; said second switch when in its second position interrupting delivery of program sound from said source of program sound into the input of said amplifier, connecting the output of said amplifier to said microphone-speaker at the master station, and connecting the input of said amplifier between said master conductor and said first auxiliary line; said second switch when in its third position interrupting delivery of program sound from said source to the input of said amplifier connecting the input of said amplifier to said microphone-speaker at the master station, and connecting the output of said amplifier between said master conductor and said first auxiliary line.

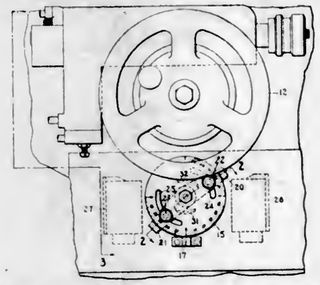
2,496,399
INDUSTRIAL TRUCK
Nathan Lesser, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 1, 1946, Serial No. 658,708
8 Claims. (Cl. 187—9)



6. In an industrial truck: a guide frame including a pair of upright beams, spaced apart and having vertical guideways; a transverse member having portions respectively slidably carried in said guideways; a pair of carriages arranged for vertical movement relative to the guide frame and for vertical movement relative to each other; means on one of said carriages including a transverse member normally positioned below the aforesaid transverse member and having opposite end portions respectively slidably carried in the guideways; means for raising and lowering one of the carriages at least to a limited extent irrespective of the other, including a vertically extensible and contractible device extending vertically between the beams and generally in the transverse vertical plane of the beams, means anchoring one end of the device to the guide frame, means connecting the other end of the device to the first transverse member, and means connecting the first transverse member to the second transverse member; means slidably supporting the other carriage on the guide frame for vertical movement; and means for raising and lowering said other carriage.

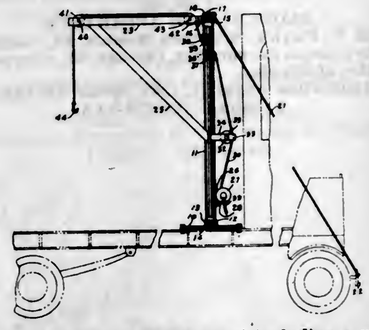
2,496,400
FEED CARRIAGE CONTROL MECHANISM
Thor H. Ljunggren and Willis F. Moore, Springfield, Vt., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application October 4, 1946, Serial No. 701,230
6 Claims. (Cl. 51—165)

2. In combination with a movable carriage and micrometric means for feeding said carriage including a rotary shaft turnable through an angular extent proportional to the amount of feed of said carriage from a starting position, means for turning said shaft, a pair of switches adjacent to said shaft, a disk fixed to said shaft, a pair of arms each pivoted on said shaft, means for selectively locking said arms independently to said disk in desired angular positions, an element projecting from each of said arms between



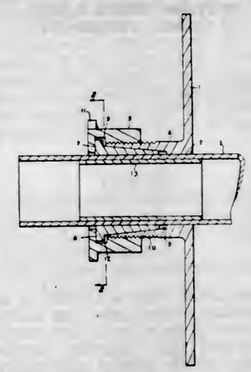
said shaft and switches in position to actuate said switches on feed of said carriage to positions corresponding to the angular settings of said arms relative to said disk, and means controlled by the actuation of one or the other of said switches depending upon whether rough or finish grinding is to be effected to slow the action of said feeding means.

2,496,401
TRUCK CRANE
Walter McKinney, Childress, Tex.
Application June 7, 1946, Serial No. 675,060
1 Claim. (Cl. 212—65)



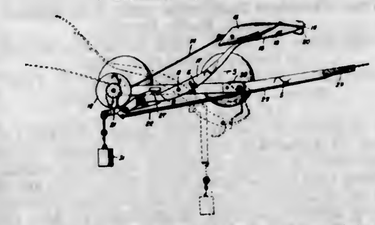
A crane comprising a support including a vertically-disposed pipe having its lower end adapted to be rotatably supported upon the frame of a truck, a plug positioned within the upper end of said pipe and detachably secured to the latter, a kingpin positioned in said plug and having an end projecting from the latter, a bearing plate mounted on said plug, said bearing plate having an aperture positioned centrally thereof for slidably receiving the projecting end of said kingpin, means carried by said plate and adapted to be detachably secured to said truck for bracing said pipe in a vertical position, a pair of gib bars arranged in parallel spaced relation with respect to each other and fixedly secured adjacent one end thereof to the upper end of said pipe, means for supporting said gib bars at substantially right angles to said pipe, a rotatable winch having a cable wound thereon positioned intermediate the ends of said pipe and fixedly secured to the latter, a first rotatable sheave disposed between said gib bars adjacent said one end thereof for rotatably supporting said cable, and a second rotatable sheave disposed between said gib bars adjacent said other end thereof for rotatably supporting said cable.

2,496,402
FRICTION GRIP
William Beggs McVeigh and Richard Henry Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application March 12, 1946, Serial No. 653,780
In Great Britain March 15, 1945
1 Claim. (Cl. 242—124)



An adjustable flange for warp beams, which comprises a flange body bored to be a push fit on the beam and provided with a boss externally threaded and internally tapered, a split cone correspondingly tapered, a back nut internally threaded to engage with the thread of said boss and adapted to drive the elements of said cone endwise so as to force them inwardly on to the beam by engagement of cone elements with the internally tapered surface of said boss, said back nut having a counter-bored groove and said cone being provided with a collar adapted to lie within said groove, whereby said back nut is also adapted to free the elements of said cone from engagement with the beam.

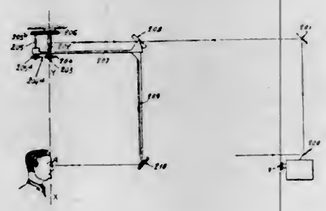
2,496,403
CASTING DEVICE FOR FISHING LINES
Floyd Gilbert Nicholson, Cambridge, Nebr.
Application March 10, 1948, Serial No. 14,113
7 Claims. (Cl. 43—19)



7. A fish line casting device comprising a buoyant member having a retrieving line at-

tached thereto, a reel carried by said buoyant member and having a bait line attached thereto, and means carried by the buoyant member for casting the bait line, said last named means comprising a mechanically operated catapult for the bait of the bait line, a brake for the reel carried by the catapult, a trip device simultaneously releasing the catapult and the brake, and gravity actuated means automatically moving the trip device into its releasing position upon settling of the buoyant member on the water.

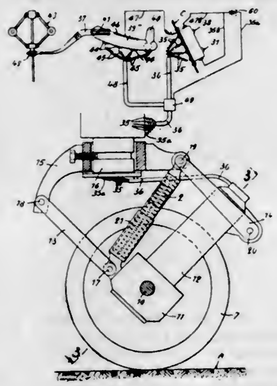
2,496,404
SELF VIEW FINDER FOR PORTRAIT PHOTOGRAPHY
Jean Michel Paillais, alias Foufounis, Paris, France
Application January 19, 1946, Serial No. 642,260
In France March 3, 1945
12 Claims. (Cl. 88—74)



1. In combination with a camera, a self-view-finder comprising a first reflecting surface adjacent said camera, fixed reflecting means cooperating with said first reflecting surface to direct the image of the user of said finder outside the field of the camera, a substantially vertical elongated support mounted rotatably about a vertical axis passing substantially adjacent the eyes of said user, said support having at one of its ends secondary reflecting means and at the other of its ends a last reflecting surface, said secondary reflecting means and said last reflecting surface being movable with said support and said last reflecting surface being disposed substantially opposite the eyes of said user, intermediate reflecting means on said vertical axis, said intermediate reflecting means cooperating with said first reflecting surface and with said fixed reflecting means and with said secondary reflecting means to direct the image of the user of said finder from said first reflecting surface onto said last reflecting surface.

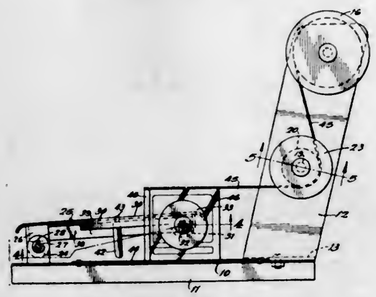
2,496,405
DEVICE FOR MEASURING THE DEGREE OF ADHESION OF VEHICLE WHEELS TO THEIR TRACKS
Jean Théodore Foufounis, alias Jean Michel Paillais, Paris, France
Application March 25, 1946, Serial No. 657,000
In France January 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 5, 1965
9 Claims. (Cl. 73—9)

3. A device for indicating unsafe driving condition of a surface over which a vehicle travels comprising, a feeler rotatably mounted about a vertical axis and adapted to be drawn by a vehicle and to yieldingly engage said surface, dynamometric means adapted to respond to the frictional drag of said feeler, said dynamometric means including relatively movable cooperating contact members adapted to selectively engage each other in response to said frictional drag, a pivotally mounted mercury switch having spaced electrical conducting portions, speed responsive means connected to said mercury switch for adjusting same about its pivot in accordance with



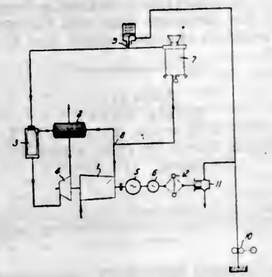
the speed of the vehicle to which the device may be attached, an electric circuit including a source of potential, an electrical lamp and said electrical conducting portions and controlled by said contact members whereby the lighting and extinction of said lamp is controlled by the speed, acceleration and the frictional drag of said feeler.

2,496,406
SLIDE BINDER APPARATUS
Paul E. Patrick, Arlington Heights, Ill., assignor to Compco Corporation, Chicago, Ill., a corporation of Illinois
Application August 7, 1948, Serial No. 43,020
9 Claims. (Cl. 154—1.6)



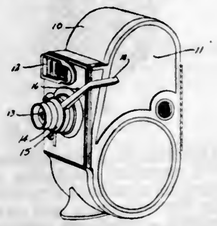
1. In slide binder apparatus, a platform, a clamp support tiltably mounted upon the platform, spring-urged separable clamps mounted upon said support and adapted to support slide glasses with the bottom edges thereof resting upon said platform, means for guiding tape to the top edge of said slide glasses while the same rest upon said platform, and means for separating said clamps.

2,496,407
INTERNAL-COMBUSTION TURBINE PLANT
Hans Pfenninger, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company of Switzerland
Application August 7, 1945, Serial No. 609,427
In Switzerland August 24, 1944
8 Claims. (Cl. 60—41)



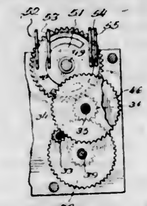
1. In a combustion turbine plant, the combination comprising coupled combustion gas turbine and air compressor units, a combustion chamber, a fuel gas producer, a conduit for combustion gas between said combustion chamber and turbine, a conduit for fuel gas between said gas producer and combustion chamber, means delivering a portion of the air from said compressor to said gas producer at a pressure higher than the operating pressure of said combustion chamber, an energy transfer apparatus such as a heat exchanger or auxiliary turbine, and means delivering the remainder of said air from said compressor to said combustion chamber through said energy transfer apparatus to effect a drop in air pressure therein approximating the drop in pressure in said gas producer.

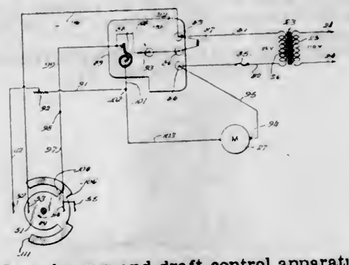
2,496,408
CAMERA DIAPHRAGM OPERATING ATTACHMENT
Nicholas Polanco, Miami, Fla.
Application September 19, 1947, Serial No. 774,958
1 Claim. (Cl. 95—64)



An operating attachment for a camera lens diaphragm including a diaphragm operating ring, said attachment comprising an annular mounting ring for engagement over the diaphragm operating ring of the camera, said mounting ring having a radial opening, a substantially straight radial arm secured to the mounting ring adjacent to the radial opening thereof and having a longitudinally extending radial bore arranged in registration with the radial opening of the mounting ring, the radial bore of the radial arm terminating near and inwardly of the outer end of the radial arm, the outer end of the radial arm being provided with a relatively small screw threaded opening leading into the outer end of the radial bore, a substantially straight elongated radial stem slidably mounted within the radial bore of said radial arm, the inner end of said stem being adapted to project radially inwardly of the inner end of the radial arm and inside of said mounting ring, an arcuate shoe secured to the inner end of the radial stem and disposed bodily inwardly of the annular mounting ring and extending substantially parallel to the plane of the mounting ring, an adjusting screw mounted within the relatively small screw threaded opening and having its inner end engaging the outer end of the stem for adjusting the arcuate shoe radially into proper engagement with the periphery of said diaphragm operating ring, and a transverse extension secured to the outer end of the radial arm and arranged substantially at right angles thereto and extending substantially parallel to the axes of the diaphragm operating and mounting rings, said transverse extension projecting axially inwardly of the diaphragm operating ring of the camera and beyond the front face of the camera for contact with the adjacent side of the camera and serving as a stop to limit the swinging movement of the radial arm in one direction.

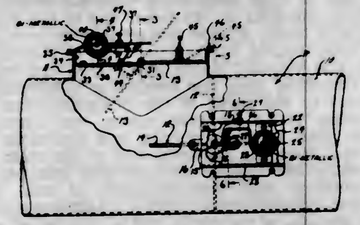
2,496,409
SPRING RETURN DAMPER CONTROL
Bernard A. Ratazak, Spring Valley, Ill., assignor to Sampsel Time Control, Inc., Spring Valley, Ill., a corporation of Illinois
Application August 16, 1946, Serial No. 691,129
6 Claims. (Cl. 318—3)





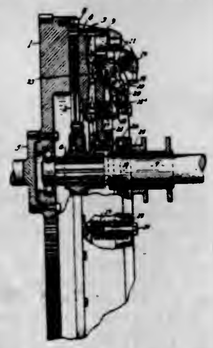
1. In a damper and draft control apparatus, a power shaft having crank arm means for operating damper and draft regulating mechanism, an electric motor, a gear train between said electric motor and said power shaft, a loading spring in opposition to said motor having meshing relation with said gear train, motor checking and motor braking resistances, and electric circuit means under thermostatic supervision for varying the current introduced to said motor through said resistances whereby to effect motor driving, motor checking, and motor braking control in opposition to said loading spring.

2,496,410
THERMOSTAT DAMPER AND PIPE CONTROL
John Reil, Cudahy, Wis.
Application November 23, 1946, Serial No. 711,977
1 Claim. (Cl. 236—96)



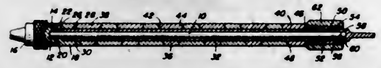
In a damper control for furnaces and stoves, a smoke pipe, a damper plate in said smoke pipe, a rock shaft rigidly secured to the damper plate and extending diametrically across the same, means rockably supporting the opposite ends of the rock shaft on the smoke pipe, a crank secured to one end of the rock shaft for movement therewith, a thermostat element including a coil disposed in close proximity to the smoke pipe, means anchoring the inner convolution of the coil to the smoke pipe, a right-angularly extending arm formed on the outer convolution of the element terminating above the crank, a link pivotally connected to the crank and to the arm for exerting a direct pull and push on the crank upon the action of the thermostat due to change of temperature, said rock shaft being also slidably mounted on the pipe, a stop member extending outwardly from said pipe, an arm formed on said crank adapted to engage the stop member in certain positions of said crank, spring means normally holding the rock shaft and damper in a predetermined position whereby the arm on the crank will engage the stop member, and means for manually shifting the rock shaft damper and crank against the tension of said spring means for moving the arm above or below the stop member.

2,496,411
DUAL LEVER FRICTION CLUTCH
Robert S. Root, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application June 18, 1947, Serial No. 755,442
5 Claims. (Cl. 192—99)



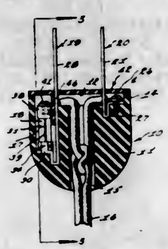
1. A clutch mechanism for clutches of the type embodying driving and driven members, a pressure ring rotatable with the driving member and a back plate, said mechanism comprising lever means having short and long arms, the short arms being pivoted to the pressure ring, fulcrum means for the lever means between the same and the back plate, clutch engaging spring means thrusting in opposite directions against the pressure ring and the long arms of said lever means, and throw-out levers of a greater ratio than that of the clutch engaging lever means pivoted to the pressure ring, and fulcrum means therefor between the back plate and the throw-out levers.

2,496,412
DRILL SHAFT
John J. Scheppe, Trenton, N. J.
Application March 29, 1948, Serial No. 17,790
2 Claims. (Cl. 64—2)



1. An adjustable drill shaft comprising a flexible driven shaft, a bit engaging member fixed at one end on said driven shaft, said bit engaging member having a bearing surface, a drive shaft engaging member carried by the remaining end of said driven shaft, a flexible casing embracing the driven shaft between the bit engaging member and drive shaft engaging member, a plurality of removable sections carried by the casing having inclined, cooperative bearing surfaces, and means adjustable longitudinally of said casing and abutting one of said sections for retaining the bearing surfaces against each other for selectively shaping the driven shaft.

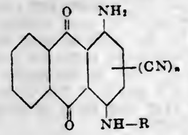
2,496,413
POLARIZED FUSE PIN PLUG
Peter Sciara, Brooklyn, N. Y.
Application May 10, 1949, Serial No. 92,308
2 Claims. (Cl. 200—115.5)



1. A fused electric plug, comprising a body portion formed of electrical insulating material and having a central longitudinal wire receiving opening extending therethrough and provided in its forward face with a relatively shallow transverse recess, the body portion having a side longitudinal fuse receiving recess leading into one end of the shallow recess and extending substantially parallel to the wire receiving opening, a first prong for the plug and extending longitudinally forwardly of the forward face of the body portion and including a lateral extension seated against the bottom of the shallow recess, a first terminal screw for connecting the lateral extension of the first prong with the body portion, a first wire extending through the wire receiving opening and having its free end disposed within the shallow recess and connected with the first terminal screw, a second prong for the plug arranged in laterally opposed spaced relation to the first prong and extending into the fuse receiving recess and including a lateral extension seated upon the bottom of the fuse receiving recess, socket means secured to the lateral extension of the second prong, a fuse mounted within the fuse receiving recess and having its inner end connected with the socket means and its outer end disposed adjacent to the bottom of the shallow recess, the outer end of the fuse having a screw threaded opening, a second terminal screw mounted within the screw threaded opening of the fuse, a second wire extending through the wire receiving opening and having its free end arranged within the shallow recess and electrically connected with the second terminal screw, and an insulating plate for covering the shallow recess and having openings for receiving the first and second prongs, said insulating plate including a longitudinally inwardly extending strip for engagement between the fuse and second prong to maintain them electrically insulated.

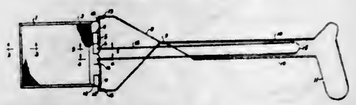
2,496,414
ANTHRAQUINONE DYESTUFFS
George W. Seymour and Clarence E. Hieserman, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 21, 1946, Serial No. 692,139
16 Claims. (Cl. 260—380)

1. Process for the production of improved dyestuffs, which comprises subjecting anthraquinone compounds of the following formula:



wherein n is a whole number not greater than two and R is selected from the group consisting of alkyl, cycloalkyl, aryl and aralkyl groups, to hydrolysis at a temperature of from 140 to 150° C. under autogenous pressure in a buffered aqueous hydrolysis medium maintained at a pH of 8 to 9.

2,496,415
FLY SWATTER
William W. Sharpe, Detroit, Mich.
Application April 9, 1947, Serial No. 740,437
3 Claims. (Cl. 43—137)



1. A fly swatter comprising a frame structure having a straight bar portion, a pair of screened frames mounted lengthwise on said bar portion, one of said frames being hingedly mounted, a coil spring on said bar portion with one end engaging said frame structure and with its other end engaging said hinged frame, a handle on said structure and spaced from said bar portion, an ear on a hinged edge of said hinged frame extending outwardly and arranged at an acute angle thereto, and a pull member extending from said ear to the vicinity of said handle for swinging said hinged frame into parallel surface engagement with the other frame.

2,496,416
N-ACYL PENICILLAMINES AND PREPARATION THEREOF
John C. Sheehan, Arlington Heights, Mass., and Ralph Mozingo, Elizabeth, Karl Folkers, Plainfield, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application March 22, 1946, Serial No. 656,512. Divided and this application February 12, 1948, Serial No. 8,004
10 Claims. (Cl. 260—534)

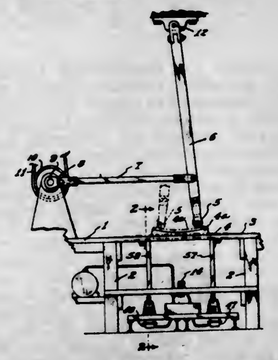
1. The process that comprises reacting a 2-lower alkyl - 4 - isopropylidene - 5(4) - oxazolone with absolute methanol saturated with hydrogen sulfide, neutralizing the reaction mixture with anhydrous mineral acid, hydrating the 2-lower alkyl-5,5-dimethyl-Δ^2-4-thiazolinecarboxylic acid thus formed to the corresponding N-lower aliphatic acyl-dl-penicillamine by heating with water, and reacting the same with aqueous hydrohalic acid to form a dl-penicillamine hydrohalide.

10. dl - α - Acetylamino - β - mercaptoisovaleric acid.

2,496,417
PREPARATION OF 2-METHYL-4-ISOPROPYLIDENE-5(4)-OXAZOLONE
John C. Sheehan, Arlington Heights, Mass., and Ralph Mozingo, Elizabeth, Karl Folkers, Plainfield, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application March 22, 1946, Serial No. 656,512. Divided and this application May 4, 1948, Serial No. 25,094
2 Claims. (Cl. 260—307)

1. The process that comprises heating a mixture of α-amino-β-methoxyisovaleric acid, acetic anhydride, and triethylamine, for about one-half hour, and evaporating volatile components from the reaction mixture under reduced pressure to crystallize 2-methyl-4-isopropylidene-5(4)-oxazolone.

2,496,418
MACHINE FOR ROLLING AND SETTING LEATHER
Charles R. Sims, Cincinnati, Ohio, assignor to The American Oak Leather Company, Cincinnati, Ohio, a corporation of Ohio
Application October 24, 1947, Serial No. 781,934
4 Claims. (Cl. 69—45)



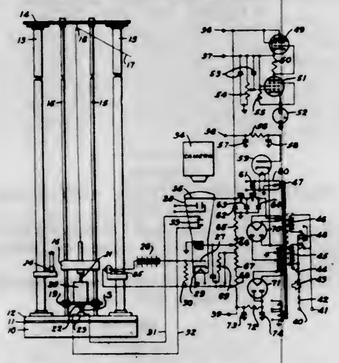
1. In a machine for rolling and setting leather in combination with a roller rotatable on a hori-

zontal axis and mechanical means for oscillating said rotatable roller in an arcuate concave path, an arcuate plate for supporting a leather piece in the arcuate path of movement of the roller and pneumatic means for elevating said arcuate plate to produce a controlled degree of pressure between said roller in its oscillating path and a piece of leather supported on said plate.

2,496,419
PRODUCTION OF CYCLOPROPANE
Leo H. Sommer, State College, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application June 3, 1949, Serial No. 97,086
3 Claims. (Cl. 260—666)

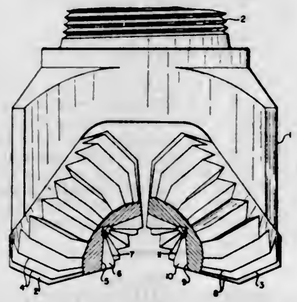
1. The method of producing cyclopropane which comprises contacting a composition of the general formula $R_3Si(CH_2)_2X$, in which each R represents a substituent of the group consisting of alkyl and monocyclic aryl and X represents a substituent of the group consisting of chlorine and bromine, with an aluminum halide, whereby the silane is decomposed with the formation of a composition of the formula R_3SiX and cyclopropane.

2,496,420
APPARATUS FOR DYNAMIC COMPRESSION TESTING
Otto Stern, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War
Application December 18, 1946, Serial No. 717,067
2 Claims. (Cl. 73—12)



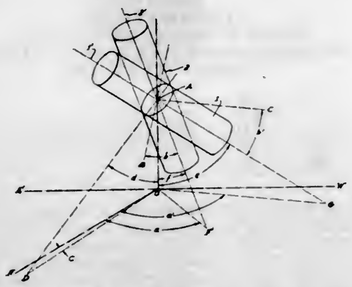
2. A machine for compressing specimens to test them, including, a weight slidably mounted for falling movement to supply the force for the compression, a hollow cylinder slidably mounting separated pistons of different diameters whose outer ends project from said cylinder and whose inner ends are separated by a quantity of heavy oil in said cylinder, the smaller-diametered of said pistons being located beneath said weight to receive the force of the fall thereof, a support, a gage interposed, together with the specimen to be tested, between said support and the larger-diametered of said pistons, and a resilient stop on which said support is mounted so that the force of the fall of said weight is transmitted at reduced speed by the larger-diametered of said pistons to said gage and said specimen in series, whereby the amount of said force is indicated by said gage, and the force is finally absorbed by said stop.

2,496,421
DRILL BIT
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application May 7, 1946, Serial No. 667,851
6 Claims. (Cl. 255—71)



1. A roller bit having a head, a pair of roller cutters rotatable on axes extending downwardly and inwardly substantially toward the longitudinal axis of said head, said cutters being substantially frusto-conical with their base ends adjacent the outer sides of the head, and their point ends adjacent the longitudinal axis of the head, each of said cutters having a recess in its point end tapering inwardly from the periphery thereof toward the axis of said cutter, and cutting teeth formed on the wall of said recess, the cutting edges of said teeth tapering inwardly toward the axis of said cutter at an angle to said cutter axis less than the angle of the wall of said recess to said cutter axis, and each of said cutters having peripheral teeth.

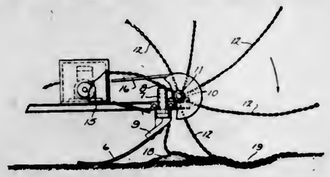
2,496,422
GEOMETRICAL DETERMINATION OF DIP AND STRIKE OF CORED STRATA
Philip Subkow, Los Angeles, Calif.
Application May 3, 1943, Serial No. 485,540
12 Claims. (Cl. 33—1)



1. A method for determining the dip of strata, which comprises taking a plurality of differently deviated cores from the same or substantially parallel strata, determining the inclination and direction of the axes of such cores as taken, establishing the apparent angle of dip of the core strata in each of said cores, establishing the axes of said cores in space in the said direction

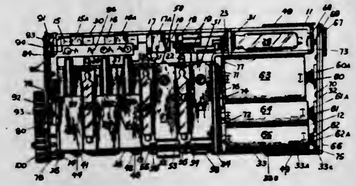
and at the said inclination, determining the angle of dip of said core strata for various bearings of the dip of the core strata when said core strata are rotated about the axis of their respective cores when so directed and inclined, establishing the bearing and angle of dip of each of said core strata at which said angle and bearing of dip of each of said core strata are equal, and thus determining the bearing and angle of dip of the strata from which the cores are taken.

2,496,423
SWEEPER FOR LAND MINES
William H. Taylor, Waukesha, Wis.
Application February 21, 1944, Serial No. 523,270
3 Claims. (Cl. 89—1)



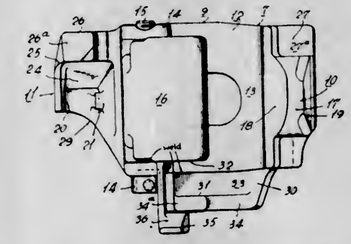
1. A sweeper for land mines comprising frame arms provided with pivotal mountings for connection with a propelling vehicle, said arms being disposed to extend forwardly of the vehicle, castered supports for the forward ends of the arms, bearings carried by the arms, a shaft extending transversely between the arms and rotatable in the bearings, chains connected with the shaft, and means including a prime mover connected with at least one of the frame arms and provided with driving connections for the actuation of said shaft at a speed such as to distend the respective chains centrifugally, the length of the chains exceeding the height of the shaft from the surface traversed, whereby the chains will flail such surface in advance of the movement of the shaft.

2,496,424
RADIO TUNING DEVICE
Lemuel M. Temple, Scarsdale, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 10, 1946, Serial No. 682,505
4 Claims. (Cl. 250—40)



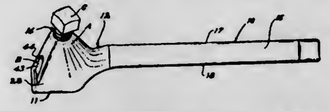
1. In combination, a radio receiver having a substantially rectangular metal supporting frame therefor, said frame being divided into contiguous compartments for supporting therein the components of said receiver, and all of said components lying in a single common plane transverse to the thinnest dimension of said frame to form a shallow assembly, the depth of said assembly being substantially equal to the thickness of the thickest one of said components.

2,496,425
RAILWAY CAR COUPLER
Harry H. Wolfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application October 9, 1945, Serial No. 621,249
19 Claims. (Cl. 213—109)



1. A coupler of the character described comprising a head having a forwardly projecting guard arm at one side thereof and a rearwardly extending aligning wing pocket at the opposite side thereof adapted to receive the guard arm of a similar coupler, the pocket being of materially less depth than the guard arm and having an open bottom, and means carried by the head to force a similar coupler to become aligned with said first-mentioned coupler during the coupling operation.

2,496,426
TOOLHOLDER
Harry C. Wilson, Sherman Oaks, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application August 28, 1945, Serial No. 613,141
4 Claims. (Cl. 29—96)

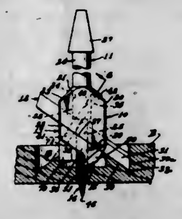


1. A tool holder of the character described including, an elongate shank adapted to be held in a horizontal position, a head beyond the forward end of the shank, a neck joining the shank and head so the head is substantially parallel with and horizontally offset from the shank, there being a tool carrying opening extending through the head substantially parallel with the shank and open at the forward end face of the head and also at the rear end face of the head where it is clear of the shank, an extension on the top of the head extending upwardly from the head and laterally of the head in a direction opposite to that in which the head is offset from the shank, a clamp block carried by the extension, and an operating screw carried by the extension and engaging the block.

2,496,427
EXPANSION BIT
Harry Carl Wilson, Beverly Hills, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application December 6, 1944, Serial No. 566,838
6 Claims. (Cl. 145—127)

6. A bit of the character described including, an elongate body with a central opening extend-

ing through it from one end to the other and having an inclined lower end surface with a downwardly opening V-shaped channel in it, the channel being laterally offset from the central axis of the bit, the body having a flat side diametrically opposite the channel, a stem projecting above the body and having an extension held fast in the opening and continuing below the body and forming a feed screw, a main cutter triangular in cross section entered in the channel to project downwardly and outwardly from the



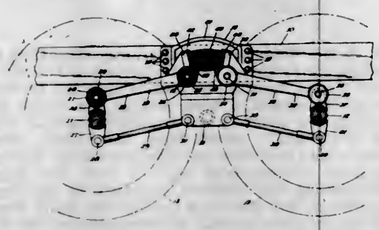
body and having a lower side projecting slightly beyond the end surface of the body, a clamp plate opposite the lower end surface of the body bearing on the end surface and engaging the cutter to hold it in the channel, the plate having a flat side in line with the flat side of the body, a screw joining the plate and body and extending at right angles to the lower end surface of the body and through the center of the body to the upper end portion of the body, and a core cutter on the plate including a blade with a forwardly facing cutting edge.

2,496,428

AXLE SUSPENSION SYSTEM FOR VEHICLES

Frank W. Avila, Columbia City, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application December 13, 1946, Serial No. 716,142
3 Claims. (Cl. 280—104.5)



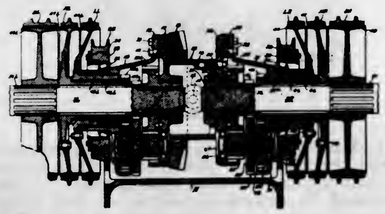
1. In a vehicle having a longitudinal frame and a pair of parallel axles transversely of and below the frame, an axle suspension system comprising: a bracket rigid on the frame and including a pair of transversely extending, closely spaced mounting pins and an arcuately shaped member extending longitudinally thereof; a pair of bell cranks, each having a longer arm and a shorter arm disposed substantially at right angles to one another, pivoted respectively on the pins with the longer arms respectively pivotally connected to the axles and with the shorter arms extending upwardly in longitudinally spaced relation; said shorter arms having projecting retaining lugs disposed at opposite ends thereof and adapted to aid in the support of resilient cushioning means when disposed therebetween; and means including rubber or the like in compression arranged between the shorter arms of the bell cranks and the retaining lugs thereon and immediately beneath said arcuate member and compressible between said shorter arms by upward swinging of the longer arms of either bell crank.

2,496,429

VEHICLE CHANGE-SPEED AND STEERING GEAR

David B. Baker, Riverside, William O. Bechman, Chicago, and William W. Henning, River Grove, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application December 4, 1944, Serial No. 566,438
2 Claims. (Cl. 74—720.5)



1. In a change speed steering gear for transmitting driving force to components of propelling means of a tractor having axially spaced bearings and which is steered by controlling the relative speed of said components; the combination of a planet gear carrier having opposite end portions for rotative support in said bearings and having end openings in such end portions, planet gear sets in the opposite end portions of said carrier, each planet gear set including a plurality of coaxial-gear groups in which the gears in each group are constrained for rotation in unison, said gear groups each including at least three gears of different diameter, propelling-means-driving shafts coaxial with the carrier and projecting oppositely outwardly thereof through its end portion openings, shaft-driving sun gears respectively constrained for rotation with said shafts and respectively mutually meshed with the gears of one diameter in their associated planet gear set, speed determining sun gears independently rotatable about one of said shafts and respectively mutually meshed with the planet gears of the other diameters associated therewith, additional speed determining sun gears independently rotatable about the other shaft and respectively mutually meshed with the planet gears of the other diameters associated therewith, sleeve shafts respectively rotatively fixed with said speed determining sun gears and projecting outwardly through the associated carrier end openings, and brake means respectively upon the portions of said sleeves projecting outwardly from the carrier.

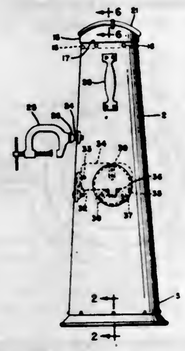
2,496,430

HYDROSCOPE AND CAMERA COMBINATION

Malcolm F. Berglund, Chicago, Ill.

Application May 27, 1947, Serial No. 750,715
4 Claims. (Cl. 95—11)

1. A hydroscope comprising a casing, a lens at the lower end thereof, an eyepiece at the upper end of said casing, a handhole intermediate the ends thereof, a camera means for removably securing said camera in said casing adjacent said



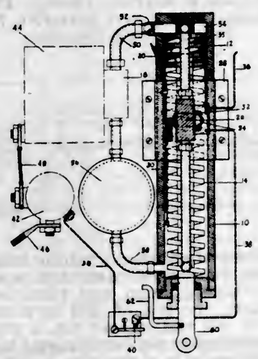
handhole, and a slitted boot secured in position over said handhole.

2,496,431

ELECTROHYDRAULIC BRAKE ENERGIZER

Daniel F. Bertonneau, Los Angeles, Calif.

Application October 3, 1945, Serial No. 620,014
4 Claims. (Cl. 60—52)



4. A brake energizer for vehicles comprising a cylinder, a spring-compressing piston therein, a ramrod associated with the piston, a hydraulic fluid system including a motor-driven pump, means for forcing fluid into the cylinder ahead of the piston, whereby the spring is compressed, said means being controlled by a foot pedal on the floorboard of the vehicle, and a valve governing the fluid control, together with a cam operating in conjunction with said valve, a remote control electrical contact switch associated with the cam and a relay energized when the switch is closed, the relay in turn energizing the pump motor and a breaker switch associated with the ramrod acting to de-energize said pump motor.

2,496,432

SELENIUM RECTIFIER

Wayne E. Blackburn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 21, 1946, Serial No. 671,176
4 Claims. (Cl. 175—366)



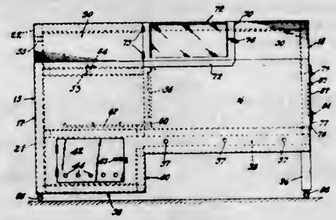
4. An electric circuit element comprising a base plate having a layer of selenium deposited on a portion of its surface, a layer of one or more metals selected from the group consisting of magnesium, aluminum and beryllium and a counterelectrode containing cadmium superposed on the free surface of the last-mentioned layer, said layer being thin enough to permit diffusion through it by materials from said counterelectrode.

2,496,433

COMBINATION INCUBATOR AND BROODER

Walter G. Bonham, Chicago, Ill., assignor of one-half to Frank Vichek, Jr., Chicago, Ill.

Application December 22, 1943, Serial No. 515,239
8 Claims. (Cl. 119—30)



1. A combination incubator and brooder comprising a horizontally elongated enclosure, a lamp chamber at one end of the enclosure, a wall above the lamp chamber and extending below the remainder of the enclosure, a hatching chamber in the enclosure above said wall and having a removable side forming a brooder chamber within the enclosure, means for ventilating the chambers and admitting air to the lamp chamber, a bottom wall beneath the aforesaid wall and forming a space open at one end in communication with the lamp chamber whereby heated air and gases will pass through said space to heat the brooder chamber and air passing therethrough for entry into the hatching chamber, means to obtain access to the brooder chamber, and one or more egg trays in the hatching chamber adapted to be moved in the brooder chamber.

2,496,434

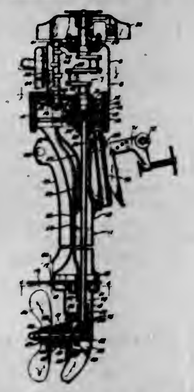
OUTBOARD MOTOR LUBRICATING SYSTEM

Alfred S. Bosma, New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill., a corporation of Delaware

Application October 13, 1944, Serial No. 558,560
6 Claims. (Cl. 184—6)

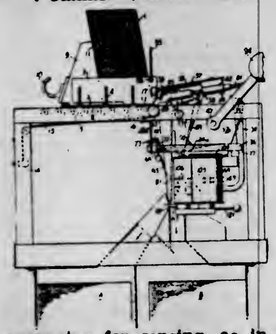
1. In an outboard motor having a top power head and including a combustion engine having a crankcase in said power head, a bottom for said crankcase, a vertical drive shaft depending from said head and driven by said engine, an elongated vertical housing for said vertical drive shaft connected at its upper end to the power head below the crankcase bottom, a portion of said housing which surrounds the lower part of

the vertical drive shaft forming a reservoir for motor oil when the motor is in normal operating position, means for delivering oil from said reservoir to said crankcase, and a return con-



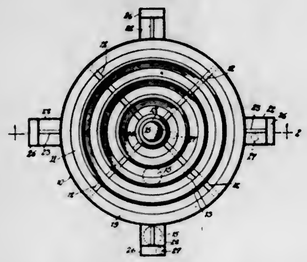
duit for surplus oil from the crankcase having a discharge end located intermediate the length of the drive shaft housing and above the level of oil therein when the motor is in normal operating position.

2,496,435
APPARATUS FOR SORTING AND/OR SELECTING RECORD CARDS
James M. Boyle, South Norwalk, Conn., and John W. Thompson, New York, N. Y.
Application March 14, 1944, Serial No. 526,412
7 Claims. (Cl. 209—110)



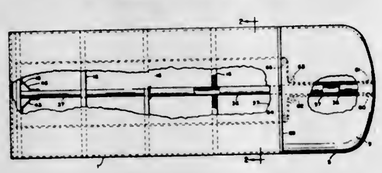
5. In apparatus for sensing, as in selecting, sorting or otherwise utilizing record cards having portions presenting identifying indicia in the form of perforations and other portions which are not perforated, the combination of means for supporting a key member having perforations arranged in relative positions corresponding to perforated portions of a record card, card supporting means arranged and adapted to engage and support an edge portion of a record card with perforations and imperforated portions of said record card in operative relation to said perforations of said key member, and means operative through one or more perforations in said key member in a direction toward said card to engage an unperforated portion thereof and thereby displace said card in relation to said card supporting means.

2,496,436
MARBLE GAME
Norman T. Boyle, Brooklyn, N. Y.
Application February 3, 1948, Serial No. 6,003
6 Claims. (Cl. 273—95)



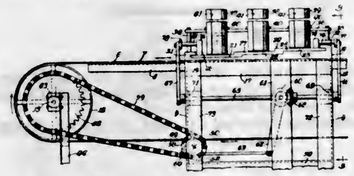
1. A game apparatus which comprises a receptacle, a pocket element disposed substantially at the center thereof and adapted to support a dislodgeable object piece, a plurality of spaced continuous track elements surrounding the pocket element and between it and the walls of the receptacle, a bottom to said receptacle, the spaces between said track elements being open to permit a playing piece projected at the object piece to drop there-between onto the bottom.

2,496,437
POWER-OPERATED BODY TOP
Donald E. Bramble, Chicago, Ill.
Application May 7, 1947, Serial No. 746,501
5 Claims. (Cl. 296—105)



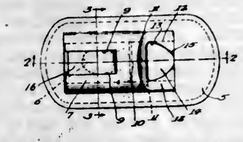
4. In combination with a vehicle body having an open top, a tarpaulin adapted to be expanded into top closing position and retracted to top open position, one end of said tarpaulin being anchored to one end of said top, a plurality of top bows confined to said vehicle, said bows being shiftable laterally in a direction longitudinal of said top and being spaced apart when said tarpaulin is expanded and substantially together when it is retracted, an hydraulically expansible telescopic ridge-pole means mounted to said one end of said top so as to be expansible toward the other end, said ridge pole means having telescopic sections connected directly with respective ones of said bows and serving to shift said bows to spaced position in expanding said tarpaulin, another hydraulically expansible telescopic means associated with and operable in opposition to said ridge-pole means and serving to telescope said ridge-pole means in shifting said bows with said tarpaulin to retracted positions, and a conduit system connecting the two telescopic means with a source of fluid under pressure said conduit means including valves for selectively applying such fluid.

2,496,438
STACKING DEVICE
John R. Brandt, Chicago, Ill., assignor to Salerno Machinery Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1948, Serial No. 39,670
10 Claims. (Cl. 198—35)



1. A device of the character described comprising a stationary article-receiving bed adapted to be disposed adjacent a conveyor longitudinally thereof and having a plurality of stepped surfaces spaced in the direction of movement of the conveyor, means for feeding an article onto each of said stepped surfaces, and movable ejector means supported for reciprocal movement relative to the said stepped surfaces for engaging and displacing articles from said surfaces onto the conveyor.

2,496,439
RECEPTACLE CLOSURE
Walter L. Bumber, Chicago, Ill.
Application December 18, 1944, Serial No. 568,595
6 Claims. (Cl. 215—37)

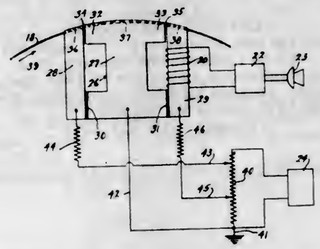


1. The combination with a receptacle having a top including an opening with an open ended pouring spout with a rounded bottom extending transversely of the receptacle over the opening, the spout having a slot in the top extending from one end across the opening and having a bridge at the end of the slot at the other side of the opening, and a stopper having a flat top and a rounded bottom slidable in the spout below the bridge and held in place by the bridge, the stopper being manually engageable through the slot.

2,496,440
MULTIWEB BONDED PAPER PRODUCTS
George V. Caesar, Staten Island, N. Y., and Jordan V. Bauer, Elmwood Park, and Don M. Hawley, Geneva, Ill., assignors to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Original application June 17, 1943, Serial No. 491,228. Divided and this application November 14, 1946, Serial No. 709,800
5 Claims. (Cl. 154—141)

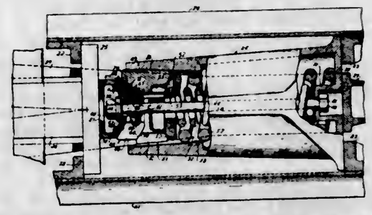
1. An article of manufacture comprising a plurality of webs of fibrous material joined together by a water-resistant bond, said bond being an adhesive composition comprising 15% to 85% by weight of total solids of starch gelatinized in situ. 5% to 50% by weight of total solids of urea-formaldehyde resin and 5% to 75% by weight of total solids of hydrosol forming materials.

2,496,441
MAGNETIC RECORDING APPARATUS
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application March 9, 1946, Serial No. 653,238
7 Claims. (Cl. 179—100.2)



1. Means for magnetically recording fluctuating signal energy on a traveling elongated magnetizable record member comprising a magnetic recording head including a core having a pair of confronting polar portions spaced to form a non-magnetic gap therebetween through which said member travels from one polar portion to the other, a signal coil, means for energizing said coil with fluctuating electric energy representing the signal to be recorded, said signal coil being mounted on said core in such a position as to produce a fluctuating magnetic field in said gap when said coil is energized, said core being separated at a second point remote from said gap so as to form two parts electrically separated from each other and each including one polar portion, and means for connecting said parts to opposite sides of a source of high frequency current, whereby high frequency current flows through the portion of said record member which is spanning said gap.

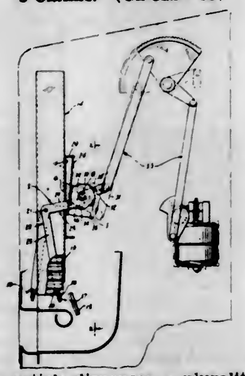
2,496,442
DRAFT GEAR
James R. Cardwell, Barrington, Ill.
Application May 12, 1948, Serial No. 26,648
6 Claims. (Cl. 213—34)



1. Shock absorbing apparatus for a draft gear, comprising a casing forming a friction chamber, means to frictionally engage the interior of said chamber in response to loads applied to the draft gear, said engagement means including a plurality of wedge members movable longitudinally of said chamber, arranged around the longitudinal axis of the chamber, and articulated by a central apertured core spacing said wedge members from each other, said core providing surfaces in rolling contact with adjacent wedge members for pivotal movement of the individual wedge members inwardly and outwardly relative to said axis, thrust

means for transmitting load forces to said individual wedge members, yielding means to resist the load-responsive longitudinal movement of said plurality of wedge members, and a locating bolt extending substantially completely through said apparatus for retaining the latter in assembled condition.

2,496,443
ARTICLE DISPENSER
Mario Caruso, Maplewood, N. J., assignor to C-Eight Laboratories, Newark, N. J.
Original application December 26, 1946, Serial No. 718,529. Divided and this application December 10, 1947, Serial No. 790,841
3 Claims. (Cl. 312—63)

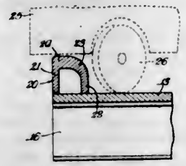


1. In an article dispenser, a plurality of bodily spaced, substantially channel-shaped, individual gravity-operated article-holding magazines, open in front and closed at the back, a flanged transverse member connecting the backs of the magazines, bearing brackets extending from the transverse member, an operating shaft journaled in these brackets, an article ejector for each magazine comprising a pair of symmetrically arranged bell crank levers having downwardly directed, relatively long legs and shorter upper legs, these upper legs forming a yoke embracing and operative externally to the back of the magazine, the yoke having a rearward extension, a pin mounted at the side of the extension, a tension spring extending between that pin and the flange of the transverse member and being adapted to normally hold the long legs of the ejector in rearward position, an article ejector plate connecting the long legs of the ejector, an article lifting lip fixedly secured to said plate; a ratchet wheel mounted at one end of the operating shaft, a pawl-equipped oscillating lever pivoted co-axially with the shaft, its pawl adapted to engage said ratchet wheel, a motor-driven mechanism actuating said oscillating lever; a plurality of pin-equipped cranks, one for each magazine, mounted upon said shaft and adapted to engage in rotation the rearward extensions of the magazine ejectors.

2,496,444
DIESEL FUEL
Fay Vincent Cook, Tulsa, Okla., assignor to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine
No Drawing. Application October 20, 1945, Serial No. 625,680
3 Claims. (Cl. 44—77)

2. An injection engine fuel consisting essentially of a sour kerosene distillate containing connate sulfur compounds which are normally corrosive to ferrous metal at high temperature and an added corrosion inhibitor consisting of between about 0.002 and 2.0 volume percent of formaldehyde whereby the normally corrosive sour distillate is rendered non-corrosive at high temperature.

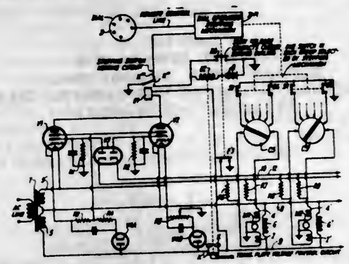
2,496,445
LOADING RAMP
Vitold J. Daniels, Des Plaines, Ill., assignor to Magnesium Company of America, East Chicago, Ind., a corporation of Illinois
Application August 11, 1948, Serial No. 43,662
2 Claims. (Cl. 14—72)



1. A loading ramp adapted to bridge a space between two disconnected floor surfaces, comprising a floor plate of substantially uniform thickness, and a pair of longitudinally extending guard rails extending along the upper face of said floor plate at the side edges thereof to prevent trucks from running off the sides thereof, said guard rails reinforcing said floor plate against bending along transverse lines under the weight of the trucks, each guard rail being of integral construction and comprising an outer vertical portion and an inner vertical portion laterally spaced from each other and the inner portion curving upwardly and outwardly to provide a top portion connected to the top of the outer portion, such curvature avoiding a sharp corner on the inner side of the rail which could be readily nicked, each of the vertical portions being secured to the floor plate and extending upwardly therefrom with the floor plate thereby rigidly connecting said vertical portions remote from said top portion and being rigidly reinforced thereby, said top portion being thickened to act as a reinforcing girder and resist compressive forces due to a load on the floor plate, the height of said top portion above the floor plate being less than the clearance of the body portions of the trucks above the floor plate whereby only the wheels of the trucks can contact said rails and the body portions can freely swing over the rails during turning movements.

2,496,446
CONTROL CIRCUIT
William W. H. Dean, Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application August 13, 1947, Serial No. 768,318
6 Claims. (Cl. 318—445)

1. In combination, an electric motor having a field winding and a plurality of shading windings inductively coupled thereto, a source of alternating current, relay-controlled means connecting said field winding to said source, means for short-circuiting a selected shading winding of said motor to operate the same when said field winding is connected to said source, means including a voltage source for causing energization of said relay, a controllable holding circuit including said voltage source for maintaining said relay energized, an electron discharge device of controllable conductivity, means responsive to the flow of current through said device for controlling said holding circuit, a control circuit ex-



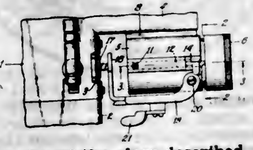
cited by the alternating voltage induced in the shading windings from the field winding for producing a control potential, and means for applying said potential to an electrode of said device to control its conductivity.

2,496,447
DEVICE FOR READING MENISCUSES
Frank G. Dresser, Providence, R. I.
Application June 27, 1947, Serial No. 757,385
4 Claims. (Cl. 73—293)



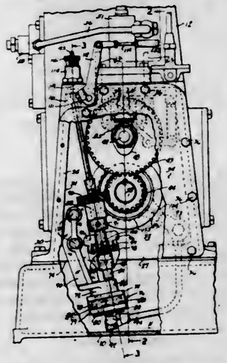
1. A device for reading a meniscus comprising a pair of plates in vertical spaced relation each having a V-shaped notch adapted to be engaged by a tube containing the liquid whose meniscus is to be read; a lamp supported by means attached to said plates; a diffusing lens between said lamp and a tube engaged in said notches and a ground glass plate between said lens and the tube; a tubular element supported by said plates on the side opposite the tube from that side on which the lamp is located; horizontally displaced glass plates carried by said tubular element each having a horizontal reference line thereon in a plane perpendicular to the axis of the tube; the said device being slidable along the tube until the said two lines and the surface of the meniscus of the liquid are brought into alignment.

2,496,448
PROJECTOR LENS MOUNTING WITH ADJUSTING AND LOCKING MEANS
Robert J. Dunlavey, Chicago, Ill., assignor to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application May 6, 1946, Serial No. 667,685
6 Claims. (Cl. 88—57)



1. In a device of the class described, including a lens having an externally threaded ferrule, and a mounting comprising a shell having a bore for receiving the lens ferrule; retractable means having a thread engaging portion extending into said bore said thread-engaging portion being adapted to cooperate with the ferrule threads to permit screw adjustment of the lens by its rotation, and a clamp mounted on said shell and having a part projecting into said bore and adapted to move said rectractable means into frictional engagement with the ferrule to lock the lens against rotative and axial movement.

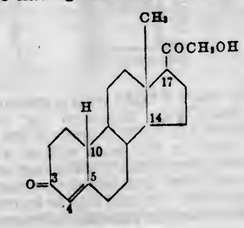
2,496,449
INTERNAL-COMBUSTION ENGINE
Henry N. Edens, Freeport, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application March 18, 1946, Serial No. 655,110
7 Claims. (Cl. 123—195)



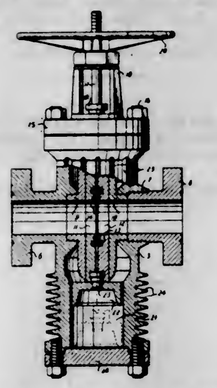
1. In an internal combustion engine providing an engine rotated shaft, an engine governor and oil pump unit comprising a bracket, an oil pump on the bracket, a shaft member rotatably carried by the bracket and drivingly connected to said pump, a governor mechanism operatively supported by said shaft member, and means operatively connecting said shaft member to said engine rotated shaft.

2,496,450
19-NORDESOXYCORTICOSTERONE
Maximilian R. Ehrenstein, Philadelphia, Pa., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
Original application March 24, 1945, Serial No. 584,624. Divided and this application February 15, 1946, Serial No. 647,970
1 Claim. (Cl. 260—397.4)

A 13-monomethyl-cyclopentanopolyhydrophenanthrene having the following structure

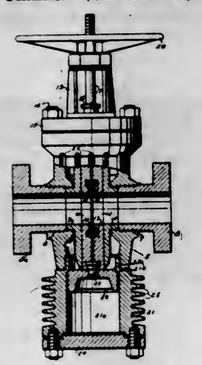


2,496,451
REFINERY VALVE
Robert Eichenberg, Houston, Tex., assignor to McEvoy Company, Houston, Tex., a corporation of Texas
Application March 29, 1948, Serial No. 17,717
9 Claims. (Cl. 251—63.5)



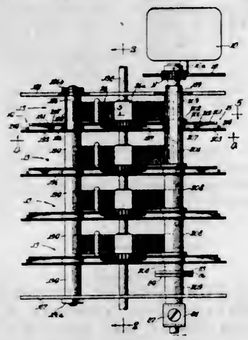
1. In a gate valve a body with a passage therethrough, a valve gate mounted for reciprocal movement within the body to control the passage, an internal recess in the body within which the valve gate is adapted to move when actuated, and means separate from and loosely carried by the valve gate substantially obstructing circulation of line fluid within the recess in operation with the valve gate in open position.

2,496,452
VALVE
Robert Eichenberg, Houston, and Forrest Gober, Baytown, Tex., assignors to McEvoy Company, Houston, Tex., a corporation of Texas
Application October 30, 1948, Serial No. 57,502
6 Claims. (Cl. 251—59)



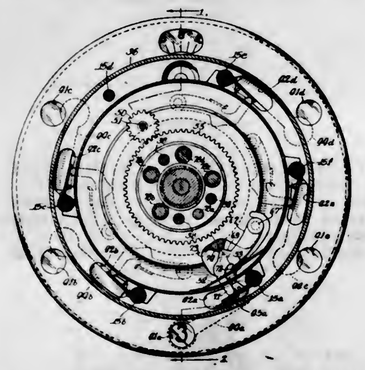
1. In a gate valve a body with a passage therethrough, a valve gate mounted for reciprocal movement within the body to control the passage, an internal recess in the body within which the valve gate is adapted to move when actuated, and means separate from and loosely carried by the valve gate and with the valve gate in open position having a surface in substantially sealing engagement with the perimeter of said recess at the portion where the valve gate enters the recess to prevent circulation of line fluid within the recess when the valve gate is in open position.

2,496,453
CONTROL APPARATUS
Harold F. Elliott, Belmont, Mass.
Application December 16, 1943, Serial No. 514,461
23 Claims. (Cl. 74—10.2)



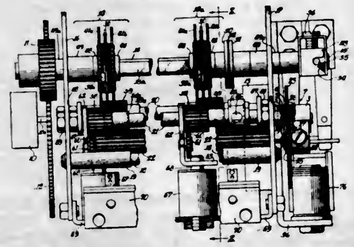
1. In apparatus which includes driving means for moving the tuning element of a radio receiver to a predetermined setting, a control unit for arresting the movement of said tuning element when moved to said predetermined setting and comprising, in combination, a pair of parallel shafts, coacting lost-motion mechanisms respectively carried by said shafts, and means including said lost-motion mechanisms for arresting the movement of said tuning element when said tuning element is moved to said predetermined setting.

2,496,454
CONTROL DEVICE FOR RADIO TUNERS
Harold F. Elliott, Belmont, Mass.
Application December 29, 1943, Serial No. 516,039
19 Claims. (Cl. 116—124.1)



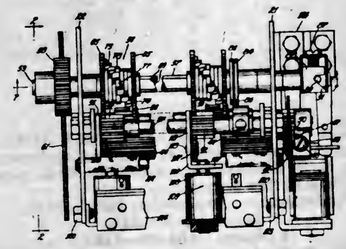
9. In combination with a reversely rotatable structure which is rotatable in either direction through a number of revolutions and has a number of predetermined intermediate settings which may be separated from each other by rotational angles exceeding a full revolution of said structure, indicating devices individual to said settings and each movable between a non-indicating position and an indicating position, means supporting said indicating devices about said structure, differential mechanisms individual to said settings and carried by said structure to be concurrently actuated during rotation of said structure, and means separately controlled by said differential mechanisms for individually operating said indicating devices from their non-indicating settings to their indicating settings as said structure is rotated in either direction to the respective corresponding settings.

2,496,455
TUNING CONTROL APPARATUS
Harold F. Elliott, Belmont, Mass.
Original application December 16, 1943, Serial No. 514,463. Divided and this application August 17, 1945, Serial No. 611,051
21 Claims. (Cl. 74—10.2)



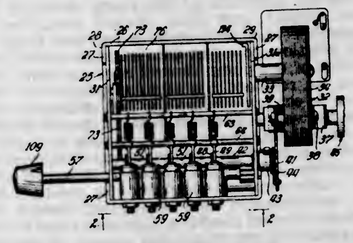
1. In a radio receiver, a tuning system comprising: means for operating the tuning element of the receiver to a predetermined setting from a particular direction, and means including a speed-reducing planetary gear assembly responsive to the operation of said element to said predetermined setting from said direction for arresting the same.

2,496,456
ELECTRIC CONTROL APPARATUS
Harold F. Elliott, San Francisco, Calif.
Original application July 16, 1940, Serial No. 345,762. Divided and this application July 22, 1946, Serial No. 685,410
17 Claims. (Cl. 74—10.2)



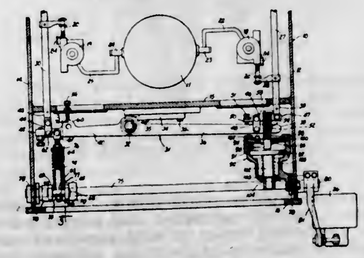
1. Electrical rotary control apparatus adapted to be operated to a predetermined stop position, including in combination rotary driving means, rotary driven means, stop means including rotary means therein operatively connected to said rotary driven means, and selectively operated power-transmitting means operatively connecting said rotary driving means and the stop means, said power-transmitting means having rotary means therein to transmit the rotary motion of the driving means to the rotary means of the stop means to rotate the rotary driven means to a predetermined stop position.

2,496,457
CONTROL MECHANISM
Harold F. Elliott, San Francisco, Calif.
Continuation of application Serial No. 424,234, December 24, 1941. This application filed August 7, 1946, Serial No. 688,920
22 Claims. (Cl. 192—142)



1. Mechanism for accomplishing a positive locking in a rotary moving structure including in combination a pair of members with one of said members being rotatable relative to the other, rotary means rotatably supported on said one member for movement relative to said one member in response to relative movement between said pair of members, stop means on said other member, with said rotary means having a portion for maintaining said rotary means and other member in a predetermined operating relationship, and a stop portion on said rotary means operatively engageable with said stop means to lock said two members and rotary means in fixed relative positions.

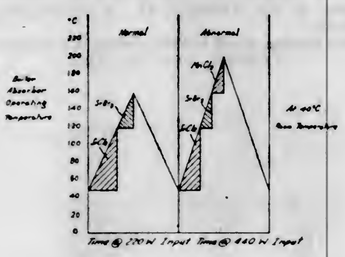
2,496,458
ENGINE FUEL CONTROL MEANS
Louis E. Endsley, Pittsburgh, Pa., and James E. Justus, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application April 1, 1946, Serial No. 658,674
3 Claims. (Cl. 123—140)



3. The combination with an internal combustion engine providing a cylinder, a least two fuel admission valves therefor, and a fuel supply pump individual to each of said valves, wherein

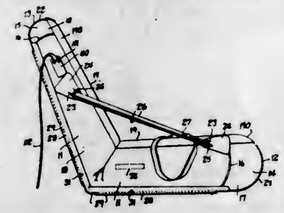
each pump includes an engine driven, constant stroke plunger and control element operable to vary the angular position of the plunger for regulating pump fuel output between no-fuel and maximum fuel delivery to the associated valve, of pump control means comprising a substantially rectilinear member pivotally supported intermediate its ends such as to define a short arm and a long arm, means providing a positive connection between said short arm and the control element of one of said pumps, means including a lost-motion device, providing a connection between said long arm and the control element of the other pump, said member in an initial position, serving through said connection means to position the pump control elements to determine the angular positions of the pump plungers for no-fuel output, and upon pivotal actuation of the member to a predetermined extent from its initial position, to effect through said short arm, operation of the pump control element connected thereto, to regulate the angular position of the plunger in said one pump for fuel delivery to its associated valve, said lost-motion device during said actuation of the member, serving to prevent operation of the pump control element connected to the long arm of the member, whereby said other pump remains regulated for no-fuel delivery, said member and connection means being effective upon pivotal actuation of the member beyond said predetermined extent, to operate said pump control elements concurrently, for regulating the pumps to determine fuel delivery thereby, said long arm serving to operate the control element of said other pump at a rate greater than the rate of operation of the control element of said one pump by the short arm of the member, such that regulation of both pumps for maximum fuel delivery is attained simultaneously, and engine speed-responsive means for pivotally actuating said member.

2,496,459
ABSORPTION OR ADSORPTION REFRIGERATION
Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware
Application June 6, 1942, Serial No. 446,093
2 Claims. (Cl. 62—5)



1. An absorption refrigerating system comprising a generator-absorber unit having a plurality of distinct bodies of solid absorbent, each body being made up of absorbent different from the absorbent constituting the other bodies and each having a substantially different operating temperature range within which it is capable of liberating and absorbing the refrigerant, an evaporator connected to the generator-absorber unit to receive refrigerant liberated from the absorbent during the generation stage and to effect refrigeration by evaporation of liquid refrigerant therein during the absorption stage, a source of heat for heating said bodies of solid absorbent, and means for varying the supply of heat from said source of heat to said bodies of solid absorbent, within the full range of said plurality of different temperature ranges, in response to the demand for refrigeration.

2,496,460
PNEUMATIC FLOAT
Joseph Evans, Shelton, Conn., assignor to The Armstrong Rubber Company, West Haven, Conn., a corporation of Connecticut
Application August 10, 1946, Serial No. 689,737
13 Claims. (Cl. 9—11)



1. A flexible pneumatic float comprising an inflated quadrilateral tubular member of water-impermeable material; and longitudinally-discontinuous stiffening-means secured to said tubular member longitudinally thereof and adjacent its opposite ends respectively to give rigidity thereto and to permit said float to be bent transversely intermediate the discontinuous stiffening-means.

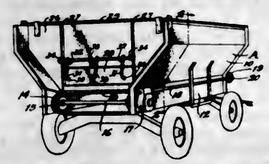
2,496,461
MANUFACTURE OF NUT BUTTER
George A. Fisher, Selinsgrove, Pa., assignor to Wm. S. Scull Company, Camden, N. J., a corporation of New Jersey
No Drawing. Application October 2, 1945, Serial No. 619,890
2 Claims. (Cl. 99—128)

1. The process of preparing a substantially stabilized nut butter which comprises roasting the whole nuts, applying to the unground nuts whole butter which has been heated to a temperature between 250° F. and 400° F. for a period of not less than 10 to 20 minutes, and thereafter comminuting the nuts.

2,496,462
PROCESS OF ROASTING WHOLE NUTS
George A. Fisher, Selinsgrove, Pa., assignor to Wm. S. Scull Company, Camden, N. J., a corporation of New Jersey
No Drawing. Application July 5, 1947, Serial No. 759,310
4 Claims. (Cl. 99—126)

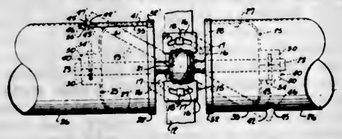
1. The method of preparing salted whole nuts which comprises roasting the nuts, thereafter applying to the roasted nuts whole butter which has been heated at a low temperature until substantially all of the moisture is driven off and thereafter heated to a temerature between 250° F. and 400° F. for a period of ten to twenty minutes and applying salt to the nuts.

2,496,463
SELF-UNLOADING WAGON
Roy C. Gaddis, Cedar Rapids, Iowa
Application February 7, 1948, Serial No. 6,922
3 Claims. (Cl. 214—83.36)



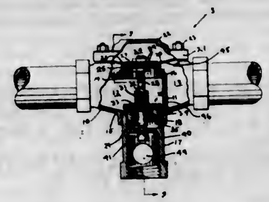
1. In a wagon of the character set forth, having side walls tapering inwardly and terminating in downwardly-extending flanges, brackets secured to said side walls and extending therebelow, said brackets being provided at their bottom with inwardly-turned flanges, a wagon bed fixed at its ends to said brackets and extending below the flanges of said side walls, endless conveyor chains having their upper flights supported upon said bed and their lower flights supported upon said bracket flanges, means for advancing said chains to cause the upper flight thereof to move toward the rear of said wagon, straps having upwardly-turned ends fixed to chain links at opposite sides of the wagon and extending below the flanges of said side walls, and blades carried by said straps and providing with said upwardly-turned portions of said straps U-shaped spaces receiving the flanges of said side walls.

2,496,464
TAPE CYLINDER MOUNTING
Clarence M. Gentry and Fred G. Parrott, Gastonia, N. C.
Application August 27, 1948, Serial No. 46,482
5 Claims. (Cl. 308—15)



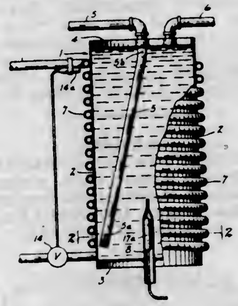
3. Means for rotatably mounting and securing together the proximate ends of closely spaced cylinders in a spinning frame and the like, comprising a bell-shaped member mounted in the proximate ends of two adjacent cylinders, each of said bell-shaped members having an opening in one side thereof extending to the end of the cylinder, an insertable member adapted to be inserted in the opening and a shaft extending from one of the bell-shaped members to the other of the bell-shaped members and each of the bell-shaped members having means for clamping the insertable member to the bell-shaped member for securing the shaft in the cylinders, a Samson disposed between the proximate ends of the cylinders, a bearing block mounted on the Samson and in which the shaft is rotatably mounted, said bearing block having arcuate slots therein which are adapted to be penetrated by screws for securing the bearing block to the Samson whereby the insertable members may be removed from the shaft and the cylinders, and the screws may be loosened and the block may be rotated about its axis and the screws following the arcuate slots in the bearing block and the shaft may swing through the openings in the cylinders and the shaft may be moved endwise from its bearing.

2,496,465
AUTOMATIC PRIMER
Harry E. Goss, San Francisco, Calif.
Application January 11, 1946, Serial No. 640,611
8 Claims. (Cl. 182—12)



1. A primer comprising a hollow body adapted to form a section of a liquid pressure line, said body having a partition therein dividing the interior of said body into an inlet chamber on the upstream side and an outlet chamber on the downstream side, said inlet chamber having a lower wall provided with a drain passageway communicating with said inlet chamber and an opening formed in said partition communicating between said chambers, a pair of valve members respectively in said inlet chamber and outlet chamber secured together for simultaneous movement to and from a position closing said passageway and said opening, an apertured flexible diaphragm in said outlet chamber supporting said members for said movement.

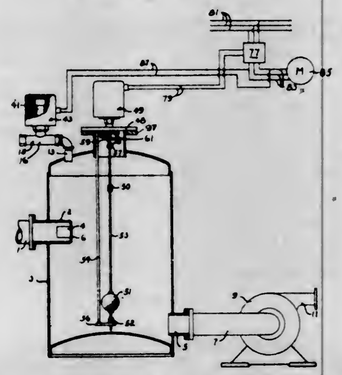
2,496,466
LIQUID COOLING APPARATUS
Frank O. Graham, Detroit, Mich., assignor to Temprite Products Corporation, Detroit, Mich., a corporation of Michigan
Application October 9, 1947, Serial No. 778,894
4 Claims. (Cl. 62—141)



1. In a storage type liquid cooler, the combination of a tank having top and bottom walls and a cylindrical metal side wall greater in height than diameter and with its inner surface substantially unobstructed throughout its circumference; cooling means outside the tank comprising a metal refrigerant expansion coil in direct heat exchange relation with the outer side of the tank side wall; an inlet conduit for supplying under pressure to the tank liquid to be cooled, said conduit having an outlet opening within the tank disposed at a level below the middle of the tank to discharge the entering liquid under pressure adjacent to the tank side wall and in a circumferential direction in relation to said wall, whereby the energy of the entering liquid sets up a cir-

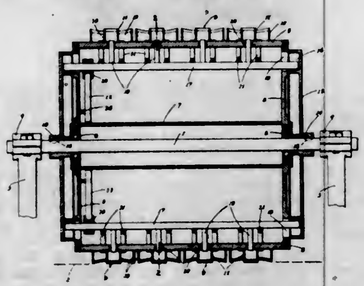
cumferential movement in one direction of the entire body of liquid in the tank; and an outlet conduit for cooled liquid communicating with the tank chamber at a level considerably higher than the outlet of the inlet conduit, whereby liquid entering the tank is given a long circumferential movement before it can escape through the outlet conduit.

2,496,467
PUMP SHUTOFF MECHANISM
Clement P. Griffith, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application May 19, 1944, Serial No. 536,419
6 Claims. (Cl. 103—26)



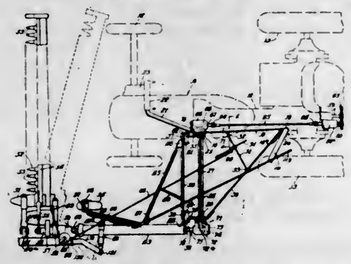
1. In a pumping system, the combination of a supply line, an air release comprising a tank connected thereto, means in said supply line adjacent said tank for discharging liquid into said tank substantially tangentially thereto, a normally open solenoid air vent valve connected to said tank, a pump having its suction connected to said tank, and means responsive to the liquid level in said tank for actuating simultaneously said pump and said valve to close it.

2,496,468
DOUGHNUT CUTTING MACHINE
Walter C. Hanson, Fresno, Calif., assignor of one-half to David R. McKinley, Sacramento, Calif.
Application June 24, 1946, Serial No. 678,875
4 Claims. (Cl. 107—23)



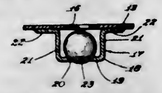
1. A doughnut cutting machine comprising a supported shaft, a pair of spaced apart circular end heads mounted for rotation on the shaft, a plurality of circumferentially spaced apart parallel bars fixed to the peripheries of the end heads and extending between said heads, a plurality of doughnut cutting units mounted on each bar, each such cutting unit comprising a cutter ring fixed to the face of the adjacent bar and such ring being of a diameter to project to each side thereof to leave open spaces between the side edges of the bar and the inner periphery of the cutter ring, and a dough conveyor belt disposed tangentially of the periphery of the machine, groups of push out pins, the pins of each such group straddling the bar from the back and being so positioned relative to the cutter rings that when reciprocated they will move through the cutter rings, and means to reciprocate such groups of push out pins.

2,496,469
FRONT-MOUNTED TRACTOR MOWER
Samuel E. Hiblom, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 1, 1944, Serial No. 533,471
11 Claims. (Cl. 56—25)



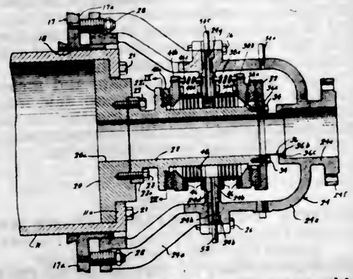
1. In a tractor-mounted mower comprising a tractor having a laterally extending horizontal stationary frame member, a mower having a horizontally positioned frame member, hinge means hingedly joining the mower frame member to the tractor stationary frame member, a push bar member attached to said horizontally positioned mower frame member and extending forwardly and downwardly, said mower having a second frame structure, and hinge means for hingedly connecting said mower frame structure with said push bar.

2,496,470
VACUUM TANK DRAIN VALVE
Floyd G. Hodsdon, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application March 20, 1948, Serial No. 16,002
3 Claims. (Cl. 137—21)



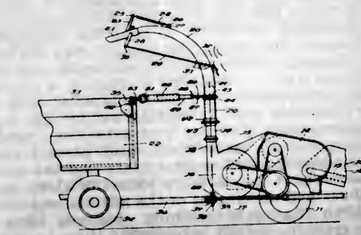
1. A vacuum tank comprising a sealed vacuum chamber; a vacuum conduit in communication with the chamber; a lower wall having a drain opening; means for sealing said drain opening; said means including a bracket connected to the lower wall below said chamber; said bracket including a portion having an opening therein, said opening being in vertical alignment with the drain opening; a rubber-like ball valve seated in the opening of said portion; said ball valve being of larger diameter than the vertical spacing between said portion and said lower wall; said ball valve being adapted to be held upwardly in sealing relation against said drain opening by the vacuum within said chamber, and releasable therefrom upon the destruction of the vacuum within the chamber whereby liquids within said chamber are free to drain through said drain opening.

2,496,471
HIGH-PRESSURE FLUID SEALING ASSEMBLY
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application March 14, 1947, Serial No. 734,745
14 Claims. (Cl. 285—10)



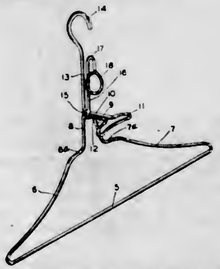
1. A high pressure fluid sealing assembly for a rotating, shaft-like member having a portion thereof exposed to high pressure fluid comprising stationary means defining a first chamber surrounding a portion of said shaft-like member, and including a pair of axially spaced seals engageable with said shaft-like member in sealing relationship, means defining a second chamber surrounding a portion of the walls of said first chamber and including one of said seals, means connecting said second chamber in fluid communication with said high pressure fluid, and means for supplying said first chamber with fluid at a pressure intermediate said high pressure and the ambient pressure.

2,496,472
BLOWER FOR HAY CHOPPERS
Edwin F. Huddle, Elmwood Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 1, 1945, Serial No. 619,575
3 Claims. (Cl. 214—42)



3. A field traversing farm implement and a trailing wagon, a hitch joining said farm implement and said wagon and having horizontal swinging movement, a blower having an upwardly extending pipe for discharging material from said blower, a cup-like member fixedly attached to said pipe at the upper end thereof, an extension conduit having one end journaled in said cup-like member and forming a swivel connection, the approximate center line of said swivel connection being axially alined with said hitch, said extension conduit having its other end extending rearwardly over said trailing wagon and link means hinged to the trailing wagon and said extension conduit for vertical swinging movement for maintaining the rearwardly extending end of the extension conduit in fixed lateral relationship with respect to said trailing wagon, said means permitting angular vertical change in relationship between the blower pipe and said trailing wagon, whereby the extension conduit will continuously discharge in said trailing wagon.

2,496,473
GARMENT SUPPORT
Douglas P. Hunt and Vincent S. McCarthy, Montevideo, Minn.
Application November 12, 1946, Serial No. 709,396
1 Claim. (Cl. 223—88)

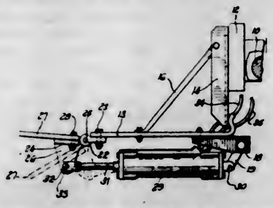


In a garment hanger, a single piece of material having a medial horizontal section, convergent sections extending upwardly from the ends of said medial horizontal section, a section extending outwardly from the upper end of one of said convergent sections and bent upon itself and thence upwardly and having its upper end formed in a hook, a section forming a continuation of the other of said convergent sections and extending upwardly above said outwardly extending section and defining a bight, the open portion of said bight being located above and directed downwardly toward said outwardly extending section.

2,496,474
VERTICALLY SWINGABLE EXTENSION FOR TRACTOR DRAWBARS
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 23, 1948, Serial No. 50,742
2 Claims. (Cl. 280—33.44)

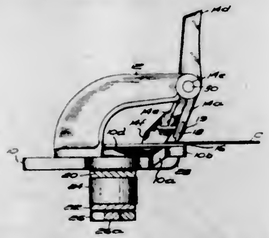
1. An attachment for a tractor drawbar of substantially rectangular shape comprising a fluid cylinder hinged at its forward end to the forwardly disposed side of the rectangular drawbar, a piston slidably reciprocable within said fluid cylinder and extending in a rearward direction, a first hinge part fastened to the rearwardly disposed side of the rectangular drawbar, a cooperative hinge part joining said first hinge part for

arcuate swinging movement with respect thereto, said cooperative hinge part having integral angularly spaced arms, the rearward end of said



piston hingedly engaging one of said arms, whereby when fluid is directed into the fluid cylinder the movement of the piston causes a direct movement of the angularly spaced arm.

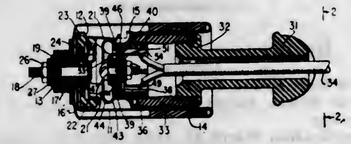
2,496,475
TENTER CLIP
Frank Chester Jerauld and Harry A. MacKnight, Cranston, R. I., assignors to Winsor & Jerauld Manufacturing Company, Providence, R. I., a corporation of Maine
Application December 9, 1948, Serial No. 64,306
1 Claim. (Cl. 26—62)



A tenter clip having a base plate, a bearing plate secured to said base plate, aligned slots in said base plate and said bearing plate, an arch member secured to said base plate having a portion extending over and beyond said slots, a jaw member rotatably mounted on said portion having a blade arranged to coact with said bearing plate to clamp cloth between them and having a shoe portion aligned with said slots, the said blade being held out of engagement with the cloth when the latter overlies the said slots and the said shoe portion rests on the cloth and said blade being engageable with the cloth when the said shoe portion swings downward within said slots, a pair of rivets secured to said base plate on opposite sides of said arch member, a guard plate secured to said base plate by said rivets and extending beyond said slots, a pair of links with interposed roller rotatably mounted on each rivet, and a cam plate secured to each rivet at the end thereof opposite said base plate.

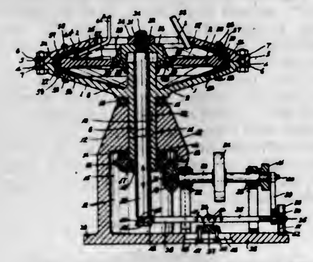
2,496,476
ELECTRIC PLUG
Morris Kaplan, Chicago, Ill.
Application March 20, 1946, Serial No. 655,678
3 Claims. (Cl. 173—328)

1. In a plug connector, a handle of insulating material having a central opening to receive an extension cord, a metallic grounding cap having a central opening therein and opposed arcuate slots therein, means to connect said handle and said grounding cap, an insulating member having arcuate troughs extending part way therethrough, small rectangular slots extending all the way therethrough, and arcuate shoulder portions adjacent said grounding cap, said shoulder portions extending within the arcuate slots in said grounding cap, an end cap having arcuate slots adjacent said insulating member, an electrical connector for joining one terminal of said extension cord to said metallic grounding cap, a second



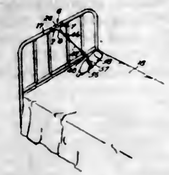
electrical connector for joining the second terminal of said extension cord to said end cap, said second connector extending through an arcuate slot in said metallic grounding cap, the small rectangular slot in said insulating member, and the arcuate slot in said end cap, and means to fasten said metallic grounding cap, said insulating member and said end cap together in such a manner whereby said metallic grounding cap and said end cap will not be short circuited.

2,496,477
MULTIPLE AND ROTATABLE STAMP MILL
Gabriel Christiaan Erasmus Keet, Florida, Transvaal, Union of South Africa
Application January 10, 1947, Serial No. 721,180
In Union of South Africa July 8, 1946
6 Claims. (Cl. 241—205)



4. A multiple and rotatable stamp mill for reducing or crushing rock and other materials, including a pan having a bottom and a peripheral wall and a hollow downwardly directed extension, power drive means for rotating said pan at a high speed about a vertical axis, a plurality of crushing elements radially arranged within said pan and extending outwardly to near the peripheral wall thereof, and rotated by contact with the material therein, between which elements and the peripheral wall the material is crushed, a central vertically reciprocating shaft mounted so as to be freely rotatable and journalled within said hollow downwardly directed pan extension, means for reciprocating said shaft, and pivotal connections between the central shaft and the inner end portions of the crushing elements which permit of vertical movement of the latter about their pivots, so that said crushing elements have a toggle crushing action imparted to them to cause them to crush the material between their outer end portions and the internal wall of the pan.

2,496,478
BOTTLE HOLDER
Walter L. Kinnebrew, Stockton, Calif.
Application March 20, 1946, Serial No. 655,809
2 Claims. (Cl. 248—230)



1. In a bottle holder for attachment to a rod-like support member, a head member having thereon contact elements for engaging relatively spaced points on a side of said support member, a clamp hook mounted for pivotal movement on said head member and having a portion thereof engageable when said clamp hook is moved relative to the head member with an opposite side of said support member, a locking loop mounted for pivotal movement on said head member and movable to a position enclosing a portion of said clamp hook for restraining the latter against movement relative to said head member, means carried by said locking loop and engaging said clamp hook for pressing the latter into engagement with said support member.

2,496,479
LIFE BELT PROJECTILE
William B. Kochner, St. Louis, Mo., and Lawrence T. Ward, East Orange, N. J., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application June 7, 1945, Serial No. 598,100
7 Claims. (Cl. 102—89)

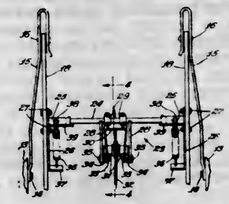


1. In a life belt projectile of the character described, a tubular container of disintegratable material, an inflatable life belt secured in one end of said container and normally collapsed and fitted in said container, a compressed gas bulb secured in said end of said container and adapted to have communication with said life belt, a swingable lever mounted adjacent and adapted to pierce said bulb, latch means for normally retaining said lever in inoperative position, a rod secured adjacent said latch means and extending longitudinally of said container, and a cap slidable on said rod, said cap being adapted to slide on said rod and release said latch means upon the projectile striking a body of water.

2,496,480
PREPARATION OF POLYVINYL ACETAL RESINS OF IMPROVED STABILITY
Edward Lavin and Alfred T. Marinaro, Springfield, and William R. Richard, West Springfield, Mass., assignors to Shawinigan Resins Corporation, Springfield, Mass., a corporation of Massachusetts
No Drawing. Application June 12, 1946, Serial No. 676,352
6 Claims. (Cl. 260—73)

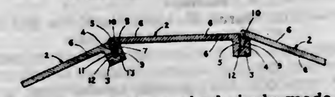
1. A process for preparing a polyvinyl butyraldehyde acetal resin having improved stability, which comprises heating at 40–100° C. a mixture of a sulfuric acid-hydrolyzed polyvinyl acetate, butyraldehyde and ethanol in the presence of sulfuric acid until the hydroxyl group content of the resulting polyvinyl acetal resin decreases to a substantially constant value and thereafter maintaining the reaction mixture under reacting conditions until the non-extractable sulfur content of the polyvinal acetal resin decreases to a substantially constant value, not over 1.3% SO_4 groups calculated as H_2SO_4 being present based on the total charge and the ethanol being present in the amount of 250–1000 parts for every 100 parts of the hydrolyzed polyvinyl acetate.

2,496,481
COLTER MOUNTING
James E. Lyle, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 13, 1946, Serial No. 715,957
5 Claims. (Cl. 97—209)



5. A tractor mounted agricultural implement comprising a transverse tool bar, an earth-working tool carried by the tool bar, laterally spaced beams secured to said tool bar and extending forwardly therefrom, means pivotally connecting the forward ends of said beams to the tractor for generally vertical swinging movement, a colter assembly arranged to travel in advance of the earth-working tool and penetrate the soil to be traversed thereby, said assembly including a socket member on each said beam, a transversely extending rockable shaft member having its ends slidably received in said sockets for lateral movement with respect to the beams and said earth-working tool, arms on said shaft member, a colter blade carried by said arms for vertical swinging movement upon rocking of the shaft member, spring means yieldably resisting upward movement of the colter, a stop limiting downward movement of the colter relative to the earth-working tool, and springs in said sockets engageable with the ends of said shaft member to yieldably oppose lateral movement thereof in said sockets.

2,496,482
LAMP SHADE AND METHOD OF MAKING THE SAME
Edward K. Madan and Robert W. Madan, Maplewood, N. J., assignors to The Emeloid Co. Incorporated, Arlington, N. J., a corporation of New Jersey
Application August 14, 1947, Serial No. 768,592
8 Claims. (Cl. 240—108)



1. In a lamp shade, a shade body made up of an assembly of a plurality of panels of plastic,

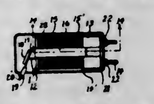
each of said panels comprising a flat body having a receiving rib extending along one edge thereof and an inserting rib extending along its opposite edge, said receiving rib having a longitudinal groove therein for receiving the inserting rib of an adjacent panel in the shade assembly, and plastic cement in said groove for permanently connecting the receiving rib and inserting rib of adjacent sections.

2,496,483
LOUD-SPEAKER WITH DIAPHRAGM AN INTEGRAL PART OF OUTER CASING
Frank Massa, Cleveland Heights, Ohio
Application July 23, 1945, Serial No. 606,557
10 Claims. (Cl. 179—114)



1. In combination in an electro-mechanical transducer for generating sound waves in a gaseous medium, a housing having an opening, a vibratile diaphragm attached to said housing closing said opening, electro-mechanical force generating means attached to said housing and arranged to impart said generated forces to cause vibrations of said diaphragm only in directions substantially normal to the surface thereof, the mechanical compliance of the diaphragm lying in the approximate range 0.001 to 0.0003 inch displacement per pound of force applied at its center point.

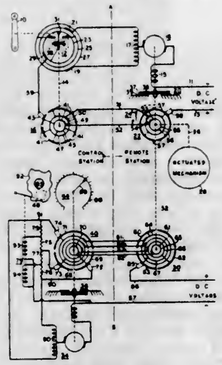
2,496,484
MAGNETOSTRICTIVE PHONOGRAPH PICKUP
Frank Massa, Cleveland Heights, Ohio
Application April 17, 1946, Serial No. 662,791
14 Claims. (Cl. 179—100.41)



1. In combination in a phonograph pickup, a bi-metallic element one portion of which is magnetostrictive, means for rigidly mounting one end of said element, the other end of said element being free to vibrate in directions transverse to the axis of the element, means for producing a polarizing magnetic field through said element, and a coil surrounding said element, said element being characterized in that the total combined thickness of the bi-metal lies in the region ½ mm. to 1 mm. and that its fundamental resonant frequency lies in the region within plus or minus one octave of 500 cycles.

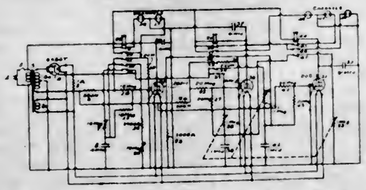
2,496,485
REMOTE CONTROL AND INDICATING SYSTEM
Joseph T. McNaney, Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application August 22, 1946, Serial No. 692,393
12 Claims. (Cl. 318—18)

1. A system for positioning a remotely located mechanism from a control station which comprises; a motor driving said mechanism, a circuit for the energization of said motor, said circuit comprising a first commutator located in said control station, means in said control station for driving said commutator, said means controlling the sense of application of exciting energy to said motor through said energizing circuit in accordance with the direction of rotation of said commutator, a second commutator driven by said motor and forming part of said energizing circuit, said first and second commutators being electrically connected, whereby upon the operation of said commutator driving means said motor



will be energized by sequential impulses to a speed and direction of rotation which are functions of the speed and direction of the rotation of said driving means, means operable by contrifugal force generated upon the rotation of said driving means in excess of a predetermined speed to provide continuous excitation of said motor, and means operable upon the interruption of said energizing circuit to disconnect said motor from said second commutator and said mechanism and to stop the rotation of said mechanism.

2,496,486
ELECTRONIC CONTROL FOR ELECTRICALLY OPERATED DEVICES
Walter P. Menkhaus, Philadelphia, Pa.
Application January 23, 1948, Serial No. 3,888
6 Claims. (Cl. 171—97)



1. An electronic control for controlling electrically operated devices, comprising a rectifier tube and three thyratron, grid-controlled rectifier tubes, a potential transformer having a primary and two secondaries one of which is split, said primary being connected to a source of alternating current, the filaments of said tubes being heated from the misplit secondary, the tape of the split secondary being connected to one side of the current source and to the cathode of each of the said three thyratron tubes, said cathodes being also connected to the suppressor grids of said tubes, one side of said split secondary being connected to the plate of said rectifier tube while the other side of said split secondary is connected to the grid of said thyratron tubes through resistances, three relays connected to said current source and actuated by the respective thyratron tubes, each of said relays having normally open and normally closed contacts for controlling current discharge terminals, a condenser connected through a variable resistance and a normally closed contact of one of said relays to the cathode of said rectifier tube, said condenser also being connected to one of said thyratron tubes through a resistance, said condenser also being connected through a second normally open relay contact and through a fixed resistor and a variable resistor to the cathode of said last-mentioned thyratron tube, a third normally open contact of said relay being connected between the cathode of said last-mentioned thyratron tube, a resistance and the end of said split transformer secondary, the other side of said condenser being connected to the cathode of said last-mentioned thyratron tube, a second condenser connected through a variable resistance and normally closed contact on a second relay to the cathode of said rectifier tube, said last-mentioned condenser also being connected to a second thyratron tube through a resistance, and said last-mentioned condenser also being connected through a normally open contact of the third relay and a variable resistance to the cathode of said second thyratron tube, a second normally open contact on said second relay being connected between the cathode of said second thyratron tube, a resistance and the end of said split transformer secondary, while the other side of said second condenser is connected to the cathode of said second thyratron tube, a third condenser connected through a variable resistance and a normally open contact on said second relay to the cathode of said rectified tube, said last-mentioned condenser also being connected to the third thyratron tube through a resistance, said last-mentioned condenser also being connected through a normally closed contact on the second relay to the cathode of said third thyratron tube.

2,496,487
COMB-BARRETTE
Harry Moses, Brooklyn, N. Y.
Application March 4, 1948, Serial No. 13,010
1 Claim. (Cl. 132—48)



A comb structure having teeth and a back, said back comprising a tubular structure attached to said teeth and forming part thereof; a pair of substantially U-shaped resilient hair clip members cooperating with said tubular member, each having two extensions, one positioned within the said hollow back and the other positioned outside of the hollow back, and a tension member attached to said extensions within said tubular structure, whereby said hair clip members are elastically positioned to grip a wearer's hair against said tubular member, and catch members on the outer rear side of said tubular structure cooperating with perforations located in the said extensions outside of the hollow back, to lock said extensions in place.

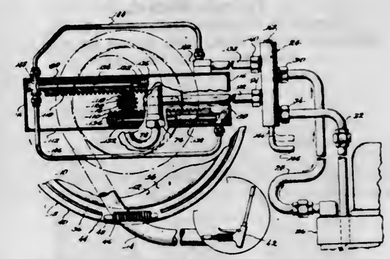
2,496,488
RADIO DIAL
Herbert A. Ohman, Geneva Heights, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application November 8, 1945, Serial No. 627,437
2 Claims. (Cl. 41—20)

1. In combination with a cabinet having a source of illumination therein and having a wall at least a portion of which is capable of transmitting light, a decorative film applied to the exterior of said wall, said film comprising indicia in opaque material adapted to be viewed by transmitted light overlying a light transmitting portion of said wall, a plain translucent pigmented layer overlying said indicia, and a trans-



lucent layer bearing a design adapted to be viewed by reflected light overlying said plain translucent pigmented layer, said indicia being substantially invisible when said cabinet is illuminated from the exterior thereof and becoming clearly visible when said film is illuminated preponderantly by light from said source of illumination within said cabinet.

2,496,489
HOSE REEL
George H. Palm, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 8, 1944, Serial No. 562,417
14 Claims. (Cl. 299—78)

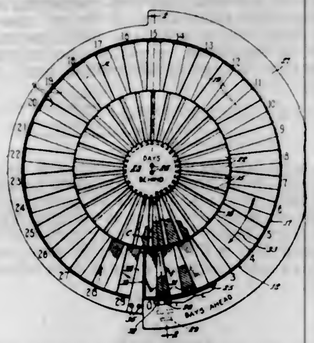


1. Hose reel apparatus of the type including a hose supported by a hose reel and adapted to be connected to a source of lubricant under pressure, including in combination, pressure operated means for rotating said reel in a direction to rewind the hose thereon, and means including a two-position valve and conduits leading from the valve to the pressure operated means and hose for selectively and simultaneously connecting the hose to the lubricant source and the power operated means to a low pressure region thereby to condition the hose for unwinding and use or disconnecting the hose from the lubricant source and connecting the source to the power operated means for rewinding the hose.

2,496,490
PERPETUAL STATUS CYCLE WHEEL
Joseph J. Phillips, Orland Park, Ill.
Application June 11, 1945, Serial No. 598,821
5 Claims. (Cl. 129—16)

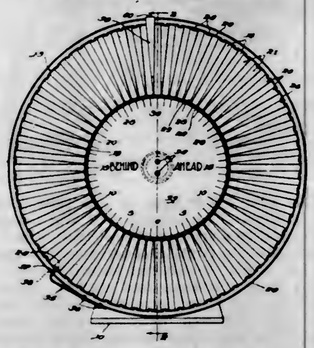
1. A card filing device comprising a frame structure, a wheel journaled for rotation on said frame structure, a pair of concentric series of card pockets in one face of said wheel, a stationary dial positioned adjacent the outer periphery of the outer series of pockets, a second stationary dial positioned adjacent the inner periphery of the inner series of pockets, and both of said stationary dials carried by said frame structure, said pockets being sufficiently shallow so that cards filed therein will project beyond the surface of the wheel, and a card stop finger attached to the

outer stationary dial and extending radially inwardly across only the outer series of pockets,



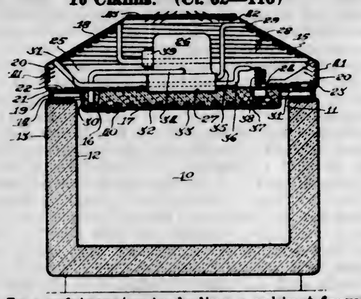
whereby cards in the outer pockets may not pass this stop finger.

2,496,491
FILING WHEEL
Joseph J. Phillips, Orland Park, Ill.
Application March 8, 1946, Serial No. 653,022
3 Claims. (Cl. 129—16)



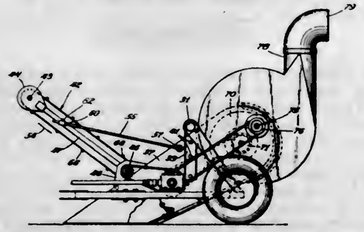
1. A filing device comprising a stationary structure, a rotatable structure journaled for rotation on said stationary structure, said rotatable structure having a single annular series of open-faced file pockets, and a legend plate secured to the stationary structure and positioned centrally of the annular series of pockets, a first portion of said legend plate having numerals running upward in numerical order in a counter-clockwise direction, each of said numerals adjacent one of the series of file pockets, and a second portion of said legend plate having numerals running upward in numerical order in a clockwise direction, each of said last named numerals adjacent one of the series of file pockets, said first portion constituting an "ahead" section and said section portion constituting a "behind" section, and the pocket between said sections having the numeral zero placed adjacent thereto, said sections having a finger positioned therebetween at a point substantially opposite the zero and fixed to the stationary structure and preventing passage of file cards in the pockets from moving from one section to the other except through the pocket designated as zero.

2,496,492
REFRIGERATOR HAVING A DOOR WITH A COOLING UNIT MOUNTED THEREIN
John R. Prosek, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 20, 1947, Serial No. 755,964
10 Claims. (Cl. 62—116)



1. In a refrigerator including a cabinet forming a food-storage compartment having an access opening, a closure element for the opening, comprising: an inner and an outer liner spaced apart to include a housing space therebetween; means securing the liners together at their marginal edge portions; and refrigerant circulating apparatus housed in the space between the liners and including an evaporator in proximity to and substantially coextensive in area with the inner liner, a condenser in proximity to and substantially coextensive in area with the outer liner, and refrigerant circulating connections between the evaporator and condenser.

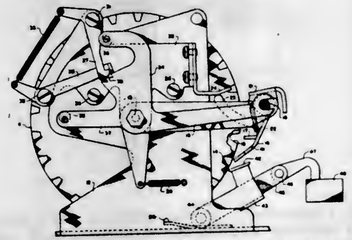
2,496,493
HAY GATHERER AND CHOPPER
Russell R. Raney, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 5, 1946, Serial No. 714,195
2 Claims. (Cl. 56—156)



1. In a field crop chopper comprising a transverse wheel supported axle and a supporting structure carried thereby including a forwardly and downwardly inclined crop gathering means including a floor having its leading edge adapted to closely ride over the ground, a transverse shear bar mounted at said leading edge, a rotary cutter disposed on a transverse axis immediately over the shear bar and having cutting elements cooperating with the shear bar to chop crop material fed across said bar, an upwardly and forwardly inclined conveyer means carried on the supporting structue for engaging standing crops to bend same downwardly and rearwardly toward and deliver same to the shear bar and cutter, and the discharge end of said crop bending conveyer

means being positioned in close proximity to the path of rotation of the cutting elements to insure direct transfer of crop material to the cutting elements.

2,496,494
FULL STROKE MECHANISM
Henry Ivan Richardson, Elmwood Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 12, 1948, Serial No. 1,770
9 Claims. (Cl. 74—17.5)



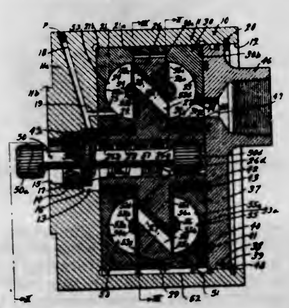
1. In a wheel stepping mechanism, a depressible bail, a pawl supported pivotally on said bail adapted for engaging a tooth on a wheel to step said wheel when said bail is depressed, a lug on said pawl, a pivotally mounted cam plate for engaging said lug when the bail is depressed to force the pawl into engagement with said wheel, said lug being adapted to override said cam plate whereby the cam plate is pivoted, a counter mechanism, and a pivoted lever operable when said cam plate is pivoted to actuate said counter mechanism.

2,496,495
PENCIL POINTER
John E. Riker, Detroit, Mich.
Application March 15, 1946, Serial No. 654,699
3 Claims. (Cl. 120—89)



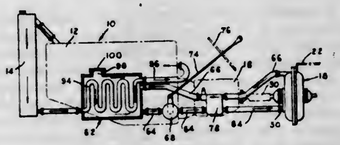
1. A device for pointing pencils comprising, in combination, an elongated opened top receptacle, a pair of members substantially the same length as the receptacle, means mounting said members in the opened top of the receptacle in spaced relation to the bottom thereof and with the members disposed at an acute angle to one another to form an upwardly opening V-shaped channel along which the pointed end of a pencil may be drawn, a pencil pointing file on the inside surface of one of said members and extending for substantially one-half the distance of the channel, a second pencil pointing file on the inside surface of the other member and extending for substantially the remaining half of the channel in alternate staggered relationship to the first mentioned file, the inside surface portion of each member opposite the file of the other member being smooth to provide a flat guiding surface for the pencil points drawn therethrough, and the lower ends of said members being shaped to provide an elongated slot in the base of the channel through which the particles removed from the pencil points fall to the bottom of the receptacle therebelow.

2,496,496
TURBINE PUMP
Jay M. Roth and E. Justus Bodensieck, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 15, 1946, Serial No. 647,757
14 Claims. (Cl. 103—109)



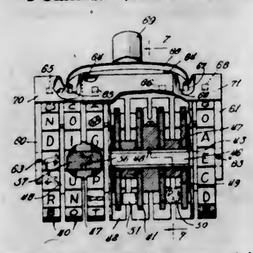
1. A pump comprising a rotor with a plurality of spaced alternate oppositely inclined bores defining fluid passages around the circumference thereof, said passages having inner fluid receiving ends and outer discharge ends in radially spaced relationship, vanes adjacent said rotor defining fluid passageways for feeding fluid to the inner ends of said rotor passages and for receiving fluid from the outer ends of said rotor passages, said rotor passages being constructed and arranged to effect a series of incremental pressure increases on fluid as the rotor is rotated relative to the vanes to centrifugally discharge fluid from the outer ends of the rotor passages.

2,496,497
BRAKE
Robert C. Russell, Cleveland Heights, Ohio
Application August 16, 1946, Serial No. 690,845
5 Claims. (Cl. 188—90)



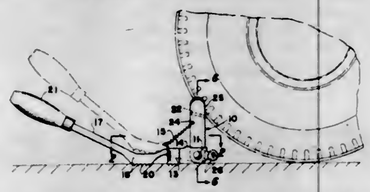
1. A braking system for a vehicle comprising a fluid friction brake including a rotor driven from a driving shaft of the vehicle engine and a stator cooperable with the rotor, a fluid supply for the brake, a fluid circulating system associated with the brake and supply including supply and return conduits extended therebetween, a manually actuated valve in the supply conduit of the circulating system for controlling the fluid supply to the brake, a pumping means associated between the stator and driving shaft in the supply conduit at the intake to the brake between the rotor and stator for circulating fluid through the brake, circulating system, and supply, and an automatically responsive pressure regulator in the circulating system arranged between the supply and return conduits for limiting to a predetermined amount the braking force of the brake regardless of driving shaft speed or the position of manual control means.

2,496,498
EDUCATIONAL TOY
John C. Shields, Chicago, Ill., assignor of one-half to Verna P. Shields, Chicago, Ill.
Application August 9, 1947, Serial No. 767,746
4 Claims. (Cl. 35—77)



1. An educational push toy comprising a plurality of peripherally aligned wheels having peripheral tires on which word-forming letters or the like are visible, an axle carrying said wheels, spacers between adjacent wheels forming between said adjacent wheels a chamber, a noise making apparatus contained within certain of said chambers, a yoke carrying the ends of said axle, and a handle engaged with said yoke.

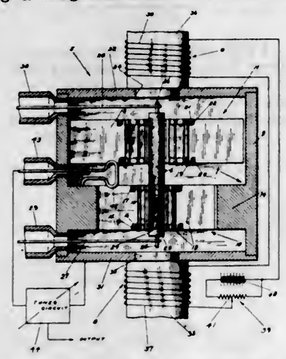
2,496,499
WHEEL CHOCK
Alexander P. Slavico, Baltimore, Md.
Application November 10, 1947, Serial No. 784,943
5 Claims. (Cl. 188—32)



1. A blocking device for a wheel, comprising in combination a T plate and stem, a member for supporting said plate and stem in a vertical position, a rod attached to said member for raising and lowering said plate and stem and setting same against the periphery of wheel for blocking same, teeth on said member for inducing resistance to the movement of the device when set as aforesaid, a fulcrum section on the rod for enabling the latter to operate as a lever for the manipulation of the device, a handle on said lever for enabling the rod to be operated at a distance from the plate and stem, hinge means on the stem to permit its rotation on the member in a predetermined direction.

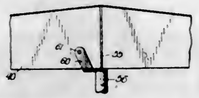
2,496,500
ELECTRON DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 18, 1945, Serial No. 605,755
3 Claims. (Cl. 250—27.5)

1. An electron-discharge device comprising: a cathode; an anode structure, spaced from said cathode, and incorporating a plurality of groups of differently dimensioned cavity resonators; the entrances to the cavity resonators of each of said groups of cavity resonators being disposed at different distances from said cathode; adjustable means, adjacent said cavity resonators, for establishing a magnetic field of variable magni-



tude transversely of the electron path between said cathode and anode structure; and output means coupled in common with all of said groups of cavity resonators.

2,496,501
UMBRELLA
Le Roy Staunton, Evanston, Ralph L. Atkinson, Hinsdale, and Edward J. Hopkins, Chicago, Ill., assignors to United Wallpaper, Inc., Chicago, Ill., a corporation of Delaware
Application April 28, 1945, Serial No. 590,911
7 Claims. (Cl. 135—20)

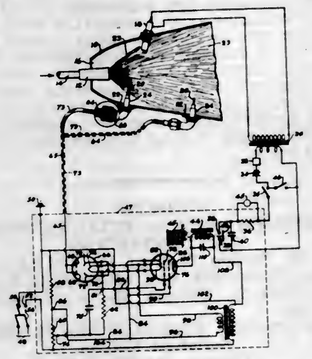


1. A folding umbrella comprising a plurality of flat ribs, a flexible member securing the inner ends of the ribs together, said member being a continuous flat strip when the ribs are folded parallel to each other and defining a polygonal central opening in the umbrella when the ribs are opened to radial position, handle securing means fastened to an outer rib of the folded rib structure, and a handle coacting with the securing means, said handle having an extended portion fitting within the central opening in the umbrella against the continuous flat strip.

2,496,502
IGNITION CONTROL SYSTEM
Richard Steensma, Fair Lawn, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application March 11, 1947, Serial No. 733,805
8 Claims. (Cl. 315—246)

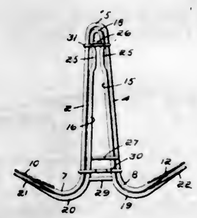
1. Flame detecting apparatus for a burner comprising a pair of spaced electrodes arranged to be disposed in the path of the burner flame; a conductor connected to one of said electrodes; a grounded metallic shield surrounding said conductor and connected to the other of said electrodes; a source of alternating current; a rectifier; an electric circuit including said source of alternating current, said rectifier, said conductor, said grounded shield and said electrodes with said conductor connected to one side of said

source through said rectifier and with the other side of said source connected to ground; and an electric relay electrically connected to said circuit, said relay being operable in response to changes in the electric impedance across the gap



between said electrodes such that said relay is operable to a first condition as a result of the presence of a flame at said electrodes and is operable to a second condition in the absence of said flame.

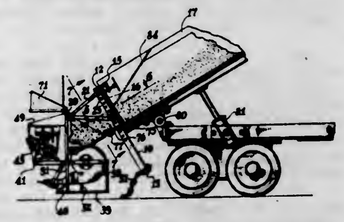
2,496,503
FOLDING GRAPNEL ANCHOR
Bror Tamm, Quincy, Mass.
Application May 5, 1948, Serial No. 25,167
4 Claims. (Cl. 114—207)



2. A folding grapnel of the kind described, comprising two pairs of flukes, each pair comprising double shanks united at the end opposite to the flukes, braces rigidly secured to one pair of double shanks adapted to interlock with the double shanks of the opposite pair by a relatively lengthwise and quarter-turn movement.

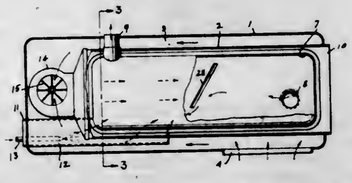
2,496,504
SPREADER HOPPER AND MOUNTING ATTACHMENT
Fred K. Tarrant, Saratoga Springs, N. Y.
Application August 9, 1946, Serial No. 689,550
3 Claims. (Cl. 275—1)

1. In a device for spreading material, a frame, means for supporting the frame on the tail gate of a truck, a hopper mounted on said frame for receiving and delivering material to be spread, said hopper having two sections, one above the other, the upper section being pivotally mounted on said frame and movable relative to the lower section from a position above the lower section to a position away from said lower section so as



to permit the hopper to receive material from a lower level.

2,496,505
AIR-HEATING UNIT FOR BUILDINGS
Floyd L. Thompson, Houston, Tex.
Application December 10, 1945, Serial No. 634,036
1 Claim. (Cl. 126—110)

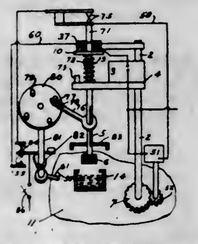


In a heating unit for buildings, a heater comprising, an outer jacket having a bottom cold air inlet adjacent one end wall, a housing within the jacket spaced from the top, bottom, side walls and the other end wall of the jacket and having a hot air outlet through said one end wall of the jacket, a centrally located furnace in the housing and extending substantially from end to end thereof and enclosing a combustion chamber, similar heat exchangers in the housing on opposite sides of the furnace and of substantially the same length as the furnace and spaced therefrom and also spaced from the jacket, hot gas conduits leading from one end of the combustion chamber into the corresponding ends of the heat exchangers, vents at the other ends of the heat exchangers leading outwardly through the housing and jacket, intermediate baffles in the heat exchangers, a tubular extension whose outer end is open and which extends through the jacket and enters the end of the furnace remote from the discharge end of the housing, a burner in said extension arranged to supply a combustible mixture to the combustion chamber, blower means in the housing located within the jacket and effective to draw cold air in through said inlet and to discharge the same through the housing about the furnace and heat exchangers.

2,496,506
HOROLOGICAL INSTRUMENT CLEANER
George Charles Wagner, Baltimore, Md.
Application November 20, 1942, Serial No. 466,279
4 Claims. (Cl. 134—58)

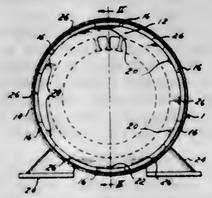
1. A cleaning device for watch works comprising in combination, a bed plate, a central post extending vertically up from same, an oscillator mechanism mounted on the post, a motor for operating the said mechanism, a stem operated

by the said mechanism in an oscillating manner, said stem being arranged for up-and-down movement through said oscillating mechanism, a basket for watches on the stem, a solenoid mounted over the stem for lowering the said stem and basket, a spring for raising the stem and basket when the circuit to the solenoidal element is opened; a projecting member on the stem adapted to turn therewith, a rotatable plate mounted on the bed plate and loosely placed on the said central post so as to rotate around same, containers on the plate spaced equidistantly apart for the placement of the basket therein, a motor for operating the said rotatable plate, and aligning the containers consecutively under the basket aforesaid so the basket can be lowered therein, said containers being arranged in the rotative plate to prevent their rotation therein, electrical



circuits for said device, switch means actuated by said rotatable plate from a first position to a second position to open one of said circuits and close another of said circuits in predetermined sequence, said one circuit containing the motor that operates said rotatable plate, and said other circuit containing the motor that operates the said oscillator mechanism and the said solenoid, and means operated by the said projecting member after a predetermined time to actuate said switch means from its second position to its first position, said switch actuating means operating periodically whereby said containers are in turn brought under the basket for its insertion and oscillation therein and its removal therefrom.

2,496,507
FRAME FOR DYNAMOELECTRIC MACHINES
Raymond O. Watkins, Chicago, Ill., assignor to Nader Engineering Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1946, Serial No. 712,997
7 Claims. (Cl. 171—252)

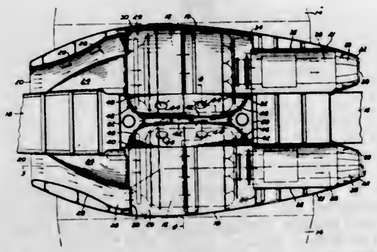


7. A stationary member for a dynamoelectric machine comprising a magnetic structure having a cylindrical periphery, a sheet metal frame member surrounding said magnetic structure, said frame member having a plurality of integral, inwardly directed indentations spaced around the periphery thereof and having a substantial base area of concave configuration engaging the periphery of said magnetic member to support said magnetic member in inwardly spaced relationship with respect to those portions of the frame member lying intermediate said indentations, thereby defining a plurality of axially extending passages between said frame and magnetic member for cooling air flow, a plurality of said indentations extending axially beyond the width of said magnetic member on both sides thereof, and a plurality of inwardly directed, resilient tongues integrally formed in said extending portions of said indentations, said tongues being constructed and arranged to resiliently engage both end faces of said magnetic member to exert clamping action thereon, thereby locking said magnetic member in said frame.

2,496,508
STABILIZED ORGANIC SULFUR-CONTAINING COMPOUNDS
Roger W. Watson, Chicago, Ill., and Lawson W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 26, 1946, Serial No. 679,556
6 Claims. (Cl. 252—48.2)

1. A sulfurized oleaginous compound which normally evolves hydrogen sulfide on storage containing in combination therewith from about 0.001% to about 5%, by weight, based on the sulfurized compound, of an aliphatic epoxide.

2,496,509
AIRCRAFT POWER UNIT CONVERTING FLUID ENERGY INTO STATIC PRESSURE ENERGY
Robert A. Wolf, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, Niagara County, N. Y.
Application March 21, 1946, Serial No. 656,031
7 Claims. (Cl. 244—74)



1. An aircraft including a fuselage, a pair of jet type reaction-propulsion power units arranged in side-by-side relation upon said fuselage, a cowling enclosing said power units comprising a casing enveloping said units, said casing being open at the forward end thereof to receive a supply of rammed air thereinto, the wall portions of said casing being formed to substantially parallel the individual shapes of said power units, partition means extending interiorly of said cowling between said power units to provide separate air chambers surrounding said units, said partition means being apertured to permit an exchange of atmosphere therethrough from one air chamber to the other in response to static pressure differentials at opposite sides of said partition means.

2,496,510
TUBE COUPLING
John N. Wolfram, South Euclid, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1946, Serial No. 680,451
5 Claims. (Cl. 285—86)



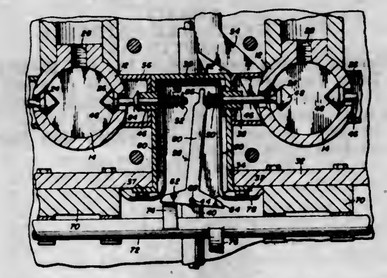
1. A coupling for tubes comprising a body member to which a tube is to be attached, a nut having interconnection with said body member and having a frusto-conical clamping shoulder, a sleeve between said nut and body member and adapted at its inward end to engage a tube for holding it within said coupling, the outward end of said sleeve including a readily contractible portion and a relatively non-contractible portion having relatively greater cross-sectional area than said readily contractible portion, said sleeve including a third portion between said first two portions of less cross-sectional area than either of them to provide a weakened bending zone which permits said contractible portion to be readily contracted even though integral with said non-contractible portion, said frusto-conical clamping shoulder initially extending axially opposite both the contractible and non-contractible portions and being adapted to initially engage and contract said contractible portion a predetermined amount and subsequently to abruptly engage said non-contractible portion whereby further contraction of said contractible portion will be prevented.

2,496,511
TRANSPOSING HARMONICA
Merrill F. Abbott, Sanitarium, Calif.
Application March 24, 1947, Serial No. 736,842
11 Claims. (Cl. 84—377)



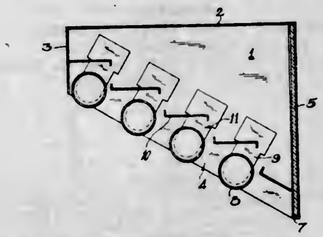
1. In a harmonica including a body having a plurality of longitudinally separated wind chambers all being initially open along one side, a pair of engaged slide plates mounted on the body over and enclosing the open side of the chambers, said slide plates each being perforated according to a systematic arrangement, the perforations through each plate being arranged in laterally spaced rows and the perforations in each row being longitudinally spaced apart according to multiples of units of predetermined length, the unit length representing a musical half-step, whereby when the plates are in any given relative position certain of the perforations will be in register and above certain of the chambers; a reed plate disposed outward of the slide plates and including reeds spaced apart a distance equal to such predetermined unit length, means to shift one of the slide plates longitudinally relative to the other, means to establish communication between the registering perforations of the slide plates and certain reeds of the reed plate, and means to simultaneously shift the slide plates one unit length without altering their relative positions whereby to raise the playing pitch of the instrument one musical half-step.

2,496,512
VALVE MECHANISM
David Adams, Detroit, Mich.
Application September 30, 1948, Serial No. 52,026
6 Claims. (Cl. 123—90)



4. In a multiple cylinder engine of the multiple piston type having drive shafts operatively connected with said pistons in which the cylinders lie horizontally in spaced parallel relation and each cylinder has midway between opposite ends an intake port and an aligned exhaust port and the ports in the cylinders lie in substantial alignment, valve mechanism for said engine which includes a poppet valve for each port, yielding means holding said valves in port closing position, a rock arm mounted below each pair of cylinders to rock in an arc between its respective pair of cylinders which arc lies in the plane of the axes of the valve stems alternately to move the valve stems and open the valves against the effort of their respective yielding means, a cam shaft mounted below the cylinders to rotate about an axis which lies parallel to the axes of the ports, cams on the cam shaft adjacent each rock arm to oscillate their respective rock arms and alternately open the valves, and means connecting the cam shaft with the drive shafts of the engine for rotating the cam shaft in timed relation to the movements of the pistons in the cylinders.

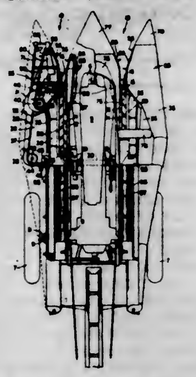
2,496,513
COMBINATION LIGHTING AND DISPLAY FIXTURE
Ernest O. Anders, San Francisco, Calif.
Application August 7, 1946, Serial No. 688,827
1 Claim. (Cl. 40—132)



In a combination lighting and display fixture, an elongated housing having a light opening at its lower side and a panel forming its front side, the said panel having at least a portion capable of permitting the passage of light rays therethrough, a plurality of elongated electric lamps arranged longitudinally in the housing in inclined formation behind the panel, and a plurality of reflecting strips arranged in spaced relation above the lamps, the said strips being

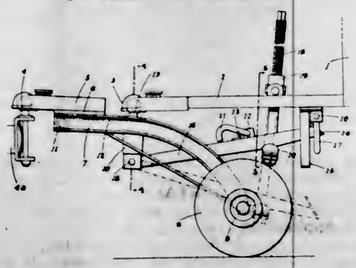
spaced one from another, whereby light rays from the lamps may proceed between the strips to the panel.

2,496,514
CORN HARVESTER GATHERER CONSTRUCTION
Norman F. Andrews, Moline, Ill., and Russell L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Original application May 23, 1941, Serial No. 394,866. Divided and this application March 10, 1944, Serial No. 525,885
12 Claims. (Cl. 56—119)



1. In a corn picker, a gatherer comprising a pair of upper and lower metal sheets disposed in generally parallel spaced apart planes and having flanges turned on the edges thereof to provide rigidity, a sheet metal bracing wall disposed substantially perpendicular to said sheets and rigidly interconnecting the same, a sheet metal trough extending longitudinally beneath said lower sheet and rigidly fixed thereto, serving as a tubular supporting beam therefor, a shaft extending substantially perpendicular to said sheets and having a pair of supporting bearings attached to said sheets, respectively, a sprocket mounted on said shaft, and a conveyor chain engaging said sprocket.

2,496,515
RETRACTABLE TRAILER DOLLY
Coy W. Bayes, Stockton, Calif.
Application October 5, 1946, Serial No. 701,517
8 Claims. (Cl. 280—33.4)



5. In combination with a tow car and a trailer, the latter including a draft tongue; a dolly unit, such unit including a wheel supported draft frame, a hitch at the outer end of the draft frame for connection with the tow car and a hitch intermediate the ends of the draft frame for connection with the tongue of the trailer, a reach bar pivoted for swinging movement on the frame and projecting to the rear of said wheels, a screw mounted for vertical movement through the tongue of the trailer, means at the bottom of the screw engaging the reach bar and normally holding the latter in elevated position, the screw being operable to lower said bar, and means on the bar engageable with the wheel axis of the dolly when the reach bar is lowered, whereby when the screw is operated to again raise the reach bar the latter will swing the draft frame about its connection with the tow car as an axis and lift the wheels from the ground.

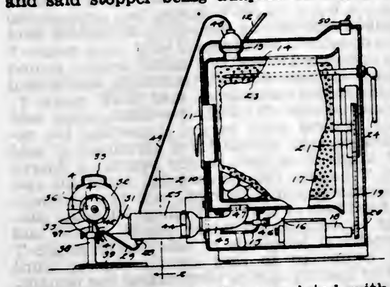
2,496,516
MACHINE FOR SIZING AND CLEANSING ASPARAGUS TIPS
Frank A. Bellato, Stockton, Calif., assignor to Bartolomeo Del Carlo, Stockton, Calif.
Application November 19, 1945, Serial No. 629,444
1 Claim. (Cl. 146—82)



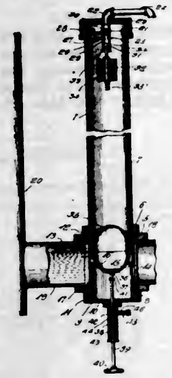
In a machine of the character described, an endless conveyor, a container pivotally supported on the conveyor, a cover member hingedly secured to the container, means normally retaining the cover in closed position, means actuated during movement of the container for positioning it horizontally, means for momentarily opening the cover to permit a bunch of asparagus to be placed in the container with the tip ends pointing in one direction, means for closing the cover after insertion of the asparagus, a gage plate in the container adjacent the tip ends, means for changing the position of the container from a horizontal to a vertical position with the tip ends of the asparagus lowermost, means for simultaneously imparting a vertical and lateral jolting movement to the container to cause the asparagus to settle until the tip ends contact the gage plate, means for directing a spray of water downwardly through the asparagus to wash the same while they are subjected to the vertical and lateral jolting movement, means for returning the container to a horizontal position, means for cutting off the projecting butt ends of the asparagus, means for discharging the sized asparagus, and means for maintaining the conveyor in continuous movement while the foregoing operations are taking place.

2,496,517
PORTABLE CLOTHES DRIER
John E. Bradley, Jr., Portland, Maine
Application June 4, 1948, Serial No. 31,067
1 Claim. (Cl. 219—39)

In a portable drying apparatus adapted to be used with a home laundry machine having a washing compartment and a drain case housing communicating therewith, the provision of an exhaust nozzle for an air heating apparatus, a horizontally extending arm affixed to the nozzle and a stopper affixed to the outer end of said arm, said nozzle adapted to extend through the drain case and into the washing compartment and said stopper being adapted to engage in a drain pipe conventionally associated with said drain case.



2,496,518
AUTOMATIC SHUTOFF VALVE
Arthur V. B. Candler, Tulsa, Okla.
Application September 1, 1944, Serial No. 552,311
1 Claim. (Cl. 137—68)



An automatic shut-off valve for a pipe line extending between an oil tank and a suction pump, comprising a substantially vertical casing having an opening at its top and an opening at its bottom, the top and bottom openings being of smaller diameter than the interior of the casing, said casing having inlet and outlet openings in its side, a vertical cage held within the bottom opening of the casing and including a lower head and a horizontal web arranged within the casing near the longitudinal center of the casing, said web having a valve seat which has a smaller diameter than the internal diameter of the cage, the upper end of the cage terminating adjacent to the top opening of the casing, said cage being provided with an inlet opening above the web and an outlet opening beneath the web, a combined guide and stuffing box secured to the head and depending vertically below the head, a substantially vertical cylindrical float chamber having its lower end held within the top opening of the casing, the float chamber having a uniform bore extending through its lower end and such lower end terminating close to the top end of the cage, the diameter of the bore of the float chamber being less than the internal diameter of the cage, a hollow float valve element to be arranged within the casing and having upper and lower tapered ends, the valve element being formed of stiff plastic material and having its bottom thickened and weighted, said bottom having a reduced drain opening, the float valve element being arranged above the horizontal web for movement upwardly into the float chamber, said valve element having an exterior diameter only slightly less than the interior diameter of the float chamber, the inner wall of the float chamber being free from guide means and serving to directly accurately guide the float valve element when it rises into the same, the thickened weighted bottom of the float valve element serving to maintain the same in an upright position when traveling in the float chamber, the float valve element when seated being spaced at its side from the cage and at its top from the float valve chamber so that it can freely seat, and a vertical rod mounted within the combined guide and stuffing box and projecting above the head and adapted to be moved upwardly to contact with the thickened weighted bottom of the float valve element to unseat the same.

2,496,519
MULTIJOINTED DEVICE
John H. Culbertson, Princeton, N. J.
Application January 10, 1947, Serial No. 721,289
3 Claims. (Cl. 248—188)

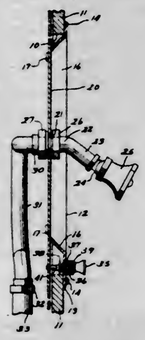


1. In a multijointed device, a head comprising two parts having complementary inwardly facing band-like clamping surfaces; a plurality of block members having outwardly facing clamping surfaces complementary to and disposed within the clamping surfaces on said two head parts; generally radial slots between said block members; a plurality of arms having end portions disposed in said slots respectively; bearing means mounting said end portions for relative movement in said slots; and means for forcing said head parts towards each other to press their respective clamping surfaces against the clamping surfaces on said block members and thus force said block members into clamping engagement with said arm end portions.

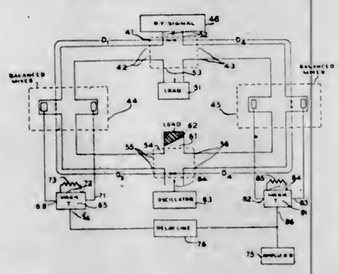
2,496,520
ADJUSTABLE SHOWER
Garth W. Daniel, Austin, Tex.
Application March 24, 1947, Serial No. 736,810
3 Claims. (Cl. 4—145)

1. In an adjustable shower head, in combination, an apertured face plate, a rear plate slidably secured to said face plate, a water inlet pipe

extending through the rear plate and through the face plate, a shower head carried by said inlet pipe on the outer side of the rear plate, a flexible connection between said inlet pipe and a source of water supply, and means for holding the rear plate against displacement, said flexible connection comprising a looped flexible tube of a length sufficient to permit movement of the shower head within the limits of the aperture in the face plate, the length of said face plate being sufficient to close said aperture regardless of the position of adjustment of said shower head.

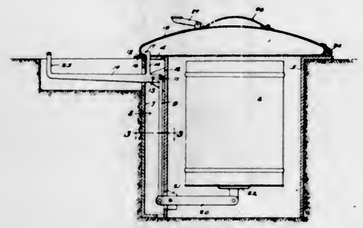


2,496,521
SINGLE SIDE BAND MODULATION SYSTEM
Robert H. Dicke, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application May 23, 1945, Serial No. 595,359
9 Claims. (Cl. 332—45)



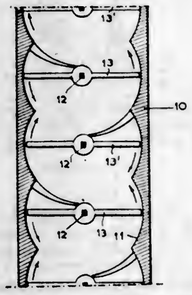
1. An apparatus for obtaining single sideband modulation comprising first and second balanced mixer means; a first source of energy for producing a radio-frequency carrier; a first magic-T having two symmetrical terminals and two asymmetrical terminals, said first source being connected to one of said asymmetrical terminals of said first magic-T, said two symmetrical terminals of said first magic-T being connected respectively to said first and second mixer means; first matched loading means connected to the remaining of said asymmetrical terminals of said first magic-T; a second magic-T having two symmetrical terminals and two asymmetrical terminals, one of said two symmetrical terminals of said second magic-T being connected to said first mixer means; first delay means connecting the remaining of said two symmetrical terminals of said second magic-T to said second mixer means; a third magic-T having two symmetrical terminals and two asymmetrical terminals, said two symmetrical terminals of said third magic-T being connected to said first mixer means; second matched loading means terminating one of said asymmetrical terminals of said third magic-T; a second source of energy for modulating said carrier; second delay means connecting the remaining of said asymmetrical terminals of said third magic-T to said second source; a fourth magic-T having two symmetrical terminals and two asymmetrical terminals, said two symmetrical terminals of said fourth magic-T being connected to said second mixer means, one of said asymmetrical terminals of said fourth magic-T being connected to said second source; third matched loading means terminating the remaining of said asymmetrical terminals of said fourth magic-T; and fourth and fifth loading means respectively connected to said two asymmetrical terminals of said second magic-T, said fourth and fifth loading means being adapted to utilize the upper and lower sidebands of energy passed through said second magic-T in a desired manner.

2,496,522
REFUSE CAN CONTAINER
Cecil M. Doggett, San Antonio, and John E. Doggett, Houston, Tex.
Application October 1, 1946, Serial No. 700,590
1 Claim. (Cl. 220—17)



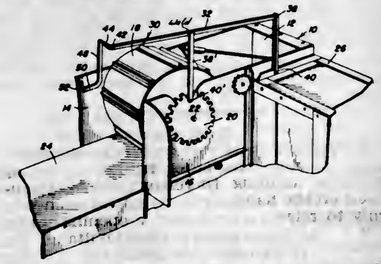
A refuse can container comprising an outer receptacle, a cover for the receptacle, a springhinge connection between the cover and receptacle and normally urging the cover to open position, an operating lever pivotally connected intermediate its ends to the receptacle near the upper end of the receptacle and extended laterally and outwardly from the receptacle, a handle upstanding from the outer end of the lever and adapted to permit upward pull on the lever by an operator, a latch arm rigid with the lever and upstanding therefrom between the handle and pivotal connection of the lever to the receptacle, the latch arm normally engaging the cover to hold it closed, an operating rod pivoted at one end to the inner end of the lever and extended downwardly along the wall of the receptacle, a lifting lever pivoted intermediate its ends to the receptacle and pivotally connected at one end to the other end of the operating rod, the other end of the lifting lever being extended through the receptacle wall, and a can support pivoted to said other end of the lifting lever and upstanding therefrom, whereby upward pull on the handle will swing the latch arm inwardly to release the cover for opening under pressure of the spring hinge while simultaneously elevating the can support.

2,496,523
APPARATUS FOR CONTACTING SOLIDS WITH FLUIDS
Jean Dubourg, Paris, France
Application August 6, 1948, Serial No. 42,878
In France August 18, 1947
5 Claims. (Cl. 127—7)



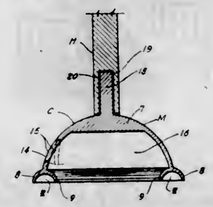
1. Device for treating divided solid materials with a fluid which comprises a vertical sheath member rectangular in cross section having two opposite flat side walls and the two remaining side walls formed by a succession of dual cylindrical segments, with the two corresponding segments in opposite relationship and having a common horizontal axis; within each dual cylindrical segment a dual comb member adapted for rotation about said common axis and substantially equal in length to the diameter of said dual segment, each two successive dual combs being adapted for rotation in reverse directions at a common speed of rotation symmetrically with respect to a horizontal plane equidistant from the respective axes thereof and having their comb-teeth staggered to allow the teeth of one of said combs to pass in between the teeth of the other, the spacing between the axes of any two successive dual combs being substantially equal to one half the length of said dual comb, curved comb members secured to said sheath at the end of said cylindrical segments as an extension thereof and alternately on either side of said sheath and extending as far as the shaft of rotation of that dual comb which is immediately below it and having the comb teeth thereof in staggered relationship to allow the teeth of said dual comb to pass therethrough.

2,496.524
FEEDING ARM FOR HAY BALERS
Frank Dunaway, Cowden, Ill.
Application March 5, 1948, Serial No. 13,145
4 Claims. (Cl. 198—166)



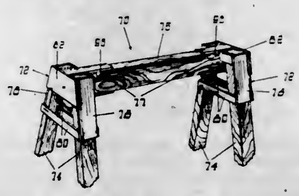
1. A guide attachment for use with a feeding device including a trough, a feed roller journalled therein, an extending member carried by the roller comprising: an elongated bar pivotally carried at one end by the trough, a depending actuating arm connected between said bar and the extending roller member, a lateral portion on said bar disposed in front of the roller, a depending angular portion thereon and an inturned horizontal arcuate arm on said depending portion so that the rotation of the roller reciprocates the arcuate arm to advance material to the roller.

2,496,525
CLEANER FOR DRAIN PIPES
Walter F. Eggleston, Oklahoma City, Okla.
Application August 31, 1945, Serial No. 613,786
2 Claims. (Cl. 4—255)



1. A device for moving an obstruction in a drain pipe, comprising a substantially semispherical hollow flexible body having a channelled edge for engagement with a surface around the entrance to the drain pipe opening, said body having a wall opening, an inwardly opening flap valve adapted to position in said opening, the flap valve forming an integral portion of the body wall and closing into the opening flush with the wall, and a rigid handle member secured to the central portion of the body and providing means for manually imparting piston action to the body.

2,496,526
SCAFFOLD OR TRESTLE HEADER
Ralph Falcone, Washington, D. C.
Application January 15, 1947, Serial No. 722,219
1 Claim. (Cl. 304—5)



A coupler for use with a slotted trestle beam and leg members, comprising side plates; tie strips connecting said side plates and secured to the vertical edges thereof to position said side plates in the desired angular relation; an end plate connecting the upper vertical edges of said side plates; rectangular plates vertically disposed in spaced parallel relationship to each other, medially located between said side plates and having one edge thereof secured to said end plate; support plates secured to the upper vertical end portion of one side plate and its adjacent rectangular plate and cooperating with said side plates, tie strips, end plate and rectangular plates to form laterally spaced, vertically disposed, downwardly diverging open ended

pockets adapted to receive said leg members; and two elongated rectangular plates secured to and between said rectangular plates and to said end plate and forming a horizontal, centrally disposed, rectangular pocket, the lower surface of said upper elongated plate having a latch secured thereto which cooperates with said beam to secure the coupler and beam in locked assembled relationship.

2,496,527
BOTTLE HOLDER
Ruth Forrest, Houston, Tex.
Application August 23, 1946, Serial No. 692,437
1 Claim. (Cl. 248—107)



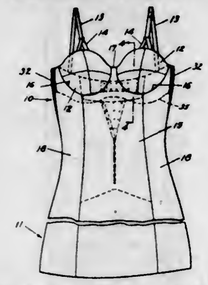
A bottle holder comprising, spaced end supports, each support being composed of a base whose ends are retracted in the vertical plane of the base, upwardly extending side bars forming continuations of said retracted ends and whose upper ends are inwardly turned, spindles whose outer ends are connected to said inwardly turned ends, approximately parallel cross rods whose ends are telescoped with said spindles thus forming cross supports, a pair of anchors slidable on one of said cross supports, a bottle holder and flexible tie members connected at their upper ends to said anchors and at their lower ends to said holder.

2,496,528
AUTOMOBILE TOOL
William H. Gaines, Estill Springs, Tenn.
Application June 25, 1946, Serial No. 679,206
1 Claim. (Cl. 29—273)



A portable wheel mounting and demounting tool comprising an elongated body, a substantially cylindrical piloting member at one end of the body adapted to fit into the hub of a wheel to be handled, and thereby support the wheel on the piloting member, an annular shoulder on the piloting member spaced from the end thereof providing a stop against which a wheel positioned on the tool engages, a pivoted spring pressed trigger mounted on the body and having a beveled upper surface, a slot in the surface of the piloting member through which said trigger is movable, said trigger being engageable with the inner surface of the wheel positioned on the tool, and cooperating with the annular shoulder in securing the wheel in an upright position on the tool, a lever pivotally mounted on the elongated body said lever being in engagement with the trigger for moving the trigger out of engagement with a wheel supported thereon.

2,496,529
COMBINATION UNDERWAIST AND BRASSIÈRE
Edith Golde, Los Angeles, Calif.
Application December 9, 1946, Serial No. 715,096
3 Claims. (Cl. 2—30)

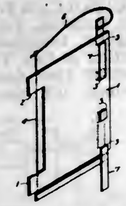


1. A woman's undergarment adapted to cover the body from a point above the breasts to a point below the hips, comprising a fabric front panel adapted to extend from the region of the breasts of a wearer to the lower end of the garment, a fabric back panel extending from a height slightly below the upper end of said front panel to the lower end of the garment, a pair of fabric side panels attached at their lateral margins to the lateral margins of the front and back panels, respectively, and extending the length of the garment, said side panels being coterminous with said front and back panels at their lower ends and extending to a height above the back panel, said front, back, and side panels cooperatively forming a continuous body-encircling member, breast supporting parts attached to the upper margin of said front panel and to the forward margins of the upper end portions of said side panels, a pair of flaps attached respectively to the rear margins of the upper end portions of said side panels on a level with the lower portion of said breast supporting parts, said flaps carrying means for the attachment of the same together at the back of a wearer, said flaps, when secured about a wearer, cooperating with the upper end of said back panel to define a horizontally elongated lenticular opening in the garment extending for a limited distance partially across the wearer's back, said back panel having a centrally disposed downwardly tapering triangular-shaped cut-out extending from the upper margin thereof, an elastic gusset in said cut-out secured to said back panel along one margin, cooperative fastening means on said gusset and the opposite margin of the cut-out of the back panel for adjustably securing the gusset to said opposite margin, said back panel being provided with a slit from the apex of said cut-out to a point a limited distance therebelow, and means for detachably securing the marginal portions of the back panel along the slit.

2,496,530
CATHODE FOR THERMIONIC TUBES
Francis Adolphus Goulding, Harrow-on-the-Hill, England, assignor to Hivac Limited, Harrow-on-the-Hill, England, a British company
Application March 24, 1947, Serial No. 736,731
In Great Britain April 1, 1946
11 Claims. (Cl. 250—27.5)

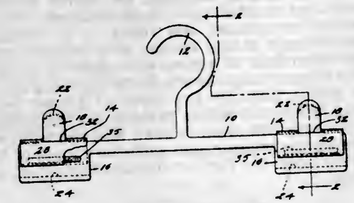
1. A planar filament mounting for thermionic tubes comprising a mica plate, a filament lying

substantially in the plane of the mica plate extending across an opening in said plate and



stretched between a metal extension strip supported on the mica plate and a spring supported laterally of the filament on the mica plate.

2,496,531
GARMENT HANGER
Thomas E. Gray, Atlanta, Ga.
Application December 3, 1945, Serial No. 632,425
1 Claim. (Cl. 223—96)



A garment hanger comprising an elongated supporting arm having a vertically enlarged portion formed on the opposite ends thereof to provide a clamping jaw, an upstanding tab formed integral with the top edge of each of said enlarged portions, a hook mounted on said arm for engaging a hanger support, a clamping member disposed on one side of each of said enlarged portions, each of said clamping members including a rectangular lower portion adapted to engage the associated clamping jaw for clamping a garment therebetween, and an upstanding nib formed integral with the top edge thereof, said rectangular portion and said enlarged portion being formed with oppositely struck horizontally extending beads, and a spring steel split cylindrical sleeve engageable over the upper edges of said rectangular portion and said enlarged portion with the confronting edge along the split thereof engaging said rectangular and enlarged portions below said beads, a pair of circumferentially spaced apart longitudinally extending parallel slots formed in said sleeve adapted to receive said upstanding tab and said upstanding nib whereby said sleeve will spring press together said enlarged portion and said rectangular portion and provide a fulcrum between said clamping member and said enlarged portion.

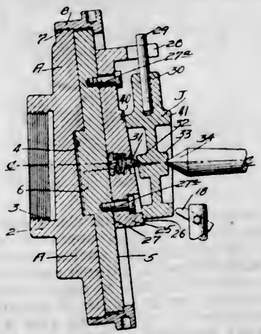
2,496,532
PORTABLE MARINE FOUNDATION
Henry Emmett Gross, Chicago, Ill.
Application October 21, 1944, Serial No. 559,768
6 Claims. (Cl. 61—46)

1. A portable marine foundation comprising a plurality of rigid water buoyant structural members of skeleton formation superimposed one upon another rigidly secured together, a broad, generally flat-bottomed skid rigidly secured to the lowermost section, adapted to facilitate movement of the structure across the marine floor and also adapted to serve as a base for said structure, a bed of loose particulate material overlying said skid for preventing movement of said foundation, a fluid conducting line extending from an upper part of the foundation to a point



near the skid, a multiple port, distributing valve in said line, a series of lines leading from the discharge ports of said valve to spaced jets along the edge of said skid and remote control operating means for actuating the distributing valve to selectively supply fluid from the main line to one or more of the jet feed lines.

2,496,533
FIXTURE FOR LATHE TURNING OF ANGULARLY DISPOSED SURFACES
Harold G. Hendrickson, Daly City, and Verner J. Hagberg, San Francisco, Calif., assignors to M. Greenberg's Sons, San Francisco, Calif., a partnership
Original application July 26, 1943, Serial No. 496,224, now Patent No. 2,415,590, dated February 11, 1947. Divided and this application December 17, 1946, Serial No. 716,802
2 Claims. (Cl. 82—40)



1. A fixture of the character described comprising a head adapted to be secured to and rotated by the spindle of a lathe about the axis of said spindle, the forward surface of the head being disposed in a plane at a predetermined angle to a plane normal to said axis, a plate secured to said forward surface of the head and having an outer face disposed in a plane at twice said predetermining angle to a plane normal to said axis,

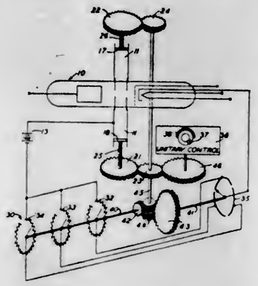
a pin mounted in said plate on said axis for positioning work to be machined on the outer face of the plate, and means on the plate engageable with the work to be machined to rotate said work when the head and the plate are rotated.

2,496,534
VEHICLE SPRING
William L. Henry, Johnstown, Pa.
Application December 17, 1945, Serial No. 635,496
1 Claim. (Cl. 267—29)



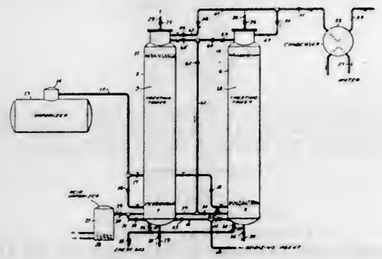
A spring assembly comprising a pair of elongated parallel spaced bars, transverse bars bridging adjacent ends of the spaced paralleled bars, an elongated leaf spring structure, upper transverse bars to the medial portions of which the ends of the leaf spring structure are secured and a pair of coiled compression springs interposed between the ends of each first mentioned cross-bar and the overlying ends of the upper complemental cross-bar.

2,496,535
UNITARY CONTROL FOR VELOCITY-MODULATION TUBES
Ralph H. Hoglund, George E. Hulstede, and Anthony J. Yakutis, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War
Application October 19, 1945, Serial No. 623,414
2 Claims. (Cl. 179—171)



1. In a velocity-modulation electronic tube amplifier tuned by a plunger-operated cavity resonator, a tubular metallic enclosure forming the cavity of said resonator, a direct current potential control circuit connected to said enclosure, said circuit including one of a series of potentiometers, each potentiometer variable to give a range of voltages that produces a distinct mode of resonance, plungers movably disposed in said enclosure, a means for operating said plungers, means for connecting in said circuit a selected one of said potentiometers, and means for varying the potential of said selected potentiometer, all said means being controlled by a common operating means to permit continuous operation through different modes and through the potential variations within a given mode.

2,496,536
DESULFURIZATION OF CRUDE AND CRACKED PETROLEUM DISTILLATES
Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 22, 1947, Serial No. 743,170
16 Claims. (Cl. 196—28)



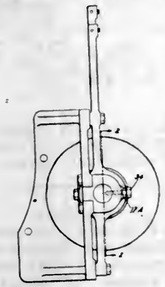
1. The method of reducing the sulfur content of crude and cracked petroleum distillates which comprises introducing the vapor of an organic carboxylic acid at the bottom of a column consisting essentially of pieces of copper to form a layer of copper soap, directing the distillate in the vapor phase through the layer of copper soap thereby fixing the sulfur present on the copper and releasing the organic acid, and immediately combining the organic acid with the copper of the overlying layer for further desulfurization of the distillate.

2,496,537
SELF-LOCKING CHAIN HOIST TRAILER
Kenneth O. Huff, Dodge City, Kans.
Application November 17, 1947, Serial No. 786,384
1 Claim. (Cl. 214—75)



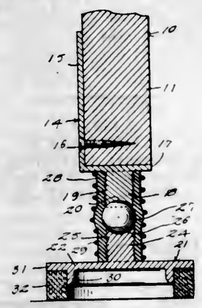
A trailer adapted to carry heavy agricultural implements or the like comprising a frame having split pipe side pieces, a tongue extending forwardly from the side of frame pieces, a hitch device on the top adapted to connect the same with a tractor, truck or automobile, ground supporting means connected to the forward part of the frame for supporting the same, individual ground supporting means connected to the rear end of each of the side pieces, said side frame pieces being adapted to receive the article between them and hoist devices at opposite ends of the frame and connected to the side frame pieces for longitudinal adjustment thereon and adapted to engage the article to elevate the same, each of said hoist devices comprising a bracket of half-circular section and adapted to fit over the split pipe piece for longitudinal adjustment along the same, said bracket having a projection for engaging one side edge of the pipe and a portion for retaining one end of a chain, a lever pivoted on the bracket and having locking and elevating chain dogs adapted to engage with the chain to retain the same or elevate it, and a seat to hold the article, said seat being connected between chains suspended respectively from opposite brackets on the respective opposite sides.

2,496,538
POWER TAKE-OFF
Leopold R. Hussa, Portland, Oreg.
Application January 21, 1948, Serial No. 3,400
4 Claims. (Cl. 192—48)



1. A power take-off device having in combination a stationary countershaft, a center sheave mounted on said shaft, radial thrust bearings between said shaft and sheave power take-off sheaves rotatably and slideably mounted on said shaft, friction elements disposed between said center and take-off sheaves, springs for urging said take-off sheaves away from said center sheave and thrust applying means for urging said take-off sheaves against said springs.

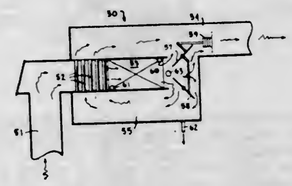
2,496,539
LADDER FOOT
Harry F. Husted, Shavertown, Pa.
Application August 21, 1947, Serial No. 769,824
2 Claims. (Cl. 228—61)



1. An improved ladder foot comprising a resilient tubular member, a spherical member in said tubular member intermediate the length thereof, oppositely disposed supporting lugs in said tubular member, means securing one of said lugs to the bottom of a ladder, each of said lugs engaging said spherical member in said tubular housing, and a ground engaging member carried by the other of said lugs.

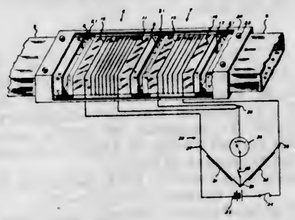
2,496,540
HEATING SYSTEM
Thomas W. Holmes, St. Paul, Minn., and Gifford I. Holmes, Detroit, Mich.
Application December 7, 1942, Serial No. 468,046
8 Claims. (Cl. 237—8)

1. In a heating system including a furnace to heat a heating medium by burning a fuel in air and forming products of combustion including water in a vapor state, a heat distributing radiator for using the heat of the medium, and a stack to carry said products of combustion away from said furnace, the arrangement with said stack of heat recovery means comprising, in combination, a first duct for receiving the products of combustion, a first heat exchanger forming a water condenser in said first duct, said first heat exchanger being adapted to exchange heat between said products of combustion and said heating medium, said medium normally being at a temperature below the condensing temperature



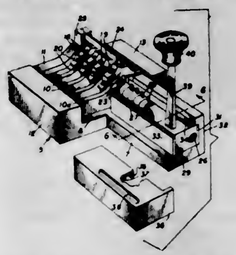
of water within said first heat exchanger whereby to gain latent heat of condensation of said water, a second duct, and a second heat exchanger in said first duct in communication with said second duct, said second duct being arranged to receive said products of combustion after they have passed said first heat exchanger to cause at least a portion of said products of combustion to pass through said second heat exchanger, said second heat exchanger being arranged in said stack to receive said products of combustion prior to the arrival of said products of combustion to said first heat exchange means.

2,496,541
BRIDGE FOR MEASURING ELECTRO-MAGNETIC WAVE ENERGY
Montgomery H. Johnson, Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 18, 1944, Serial No. 531,635
6 Claims. (Cl. 171—95)



1. In a high frequency transmission system comprising at least a hollow conductor enclosing a space within which high frequency electric fields exist, a power indicating means comprising two thermally discrete sections of conductor forming part of the high frequency transmission system, and means for measuring temperature rise in said sections due to high frequency transmission therethrough, said last means being calibrated to measure the power transmitted in said system.

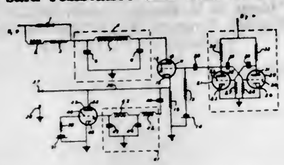
2,496,542
ADJUSTABLE COMBINATION KEYLESS LOCK
Joseph L. Justinian, New Orleans, La.
Application March 5, 1947, Serial No. 732,587
3 Claims. (Cl. 70—312)



3. A keyless lock comprising a housing, a bolt slidably mounted in the housing for projecting and retracting movement, a plurality of permutation disks rotatably carried by the bolt and having internal radial slots, separators between adjacent disks and at one end of the disks, each separator having a stationary slot aligned with each other and also aligned with one of the slots of the disks when the latter are held in a predetermined position, a plurality of rings rotatably mounted on the bolt and movable therewith axially of the disks, locking pins projecting radially from the rings for passing through the stationary slots and entering the radial slots of the respective disks upon a projecting movement of the bolt, any one of said pins being movable out of alignment with the stationary slots upon a predetermined rotation of its associated disk to lock the bolt against retracting movement, said pins being returned to an aligned position with the stationary slots upon a return of the disks to a set position, a slide secured to the rear end of the bolt, a guide for the slide including a rectangular housing having a longitudinal slot, a handle carried by the slide working in the last-named slot, and means providing a guide channel in the housing for said pins to maintain the pins in aligned position with the stationary slots when moved beyond the separators upon retracting movement of the bolt and to guide the pins in a position for reentering the slots upon a projecting movement of the bolt.

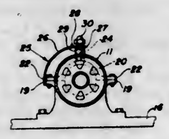
2,496,543
CONTROLLED WIDTH PULSE GENERATOR
Morton H. Kanner, deceased, late of New York, N. Y., by Samuel Kanner, administrator, New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application June 27, 1944, Serial No. 542,343
3 Claims. (Cl. 250—27)

1. A pulse-forming system comprising an electron discharge device having a cathode, control grid and anode, an anode circuit including a delay line, means for applying control pulses to said control grid at predetermined intervals, causing conduction through said tube at predetermined intervals to generate output pulses, a resistance through which the current of said tube passes and across which said output pulses appear, a second electron discharge device having an anode control grid and cathode connected across said resistance in a direction to tend to cause current flow through said second device upon existence of an output pulse, connections including a delay line between said resistance and said second device



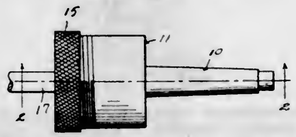
control grid to apply said delayed output pulses thereto, and an output circuit between the anode and cathode of said second device.

2,496,544
SHIELD FOR IRONING MACHINES
Yee Thick Kee, Uniontown, Pa.
Application September 4, 1947, Serial No. 772,145
2 Claims. (Cl. 38—49)



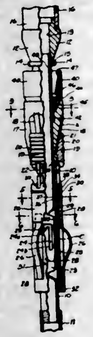
1. In a laundry mangle having a heated roller, bearings for said roller, flanges on said bearings and vertically extending members on top of said bearings; a heat shield comprising an elongated transversely arcuate member disposed over said roller in spaced relation thereto, and attaching members fixed on said shield adjacent to one longitudinal edge thereof, said attaching members comprising tubular bodies each secured at one end to the concave side of the shield and adapted to slidably engage over said vertical members to support the shield and the other edge of said shield engaging said bearing flanges to maintain the shield in position over said roller.

2,496,545
LATHE CHUCK
Fenton Kraemer, Marysville, Kans.
Application November 21, 1946, Serial No. 711,293
2 Claims. (Cl. 82—33)



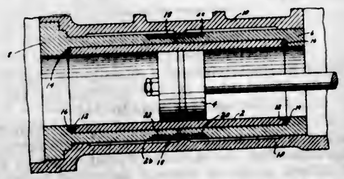
1. In a chuck having a shank and a housing fixed to and extending coaxially of one end of said shank, a jaw carrier in said housing, means mounting said carrier for combined endwise and rotary movement, a plurality of radially disposed cylindrical work gripping jaws slidably carried by said carrier, said carrier including an inner wall against which the work is adapted to engage to thereby move said carrier endwise and inwardly of said housing, a spring constantly urging said carrier outwardly of said housing, a jaw operator in said housing formed with a frusto-conical inner surface against which said jaws are adapted to engage whereby endwise movement of said carrier will thereby effect radial movement of said jaws, and springs constantly urging said jaws to engage said surface.

2,496,546
PUMP ANCHORING DEVICE
Roy A. Lamb, Dallas, Tex., assignor to Merla Tool Corporation, Dallas, Tex., a corporation of Texas
Application April 15, 1946, Serial No. 662,362
3 Claims. (Cl. 166—12)



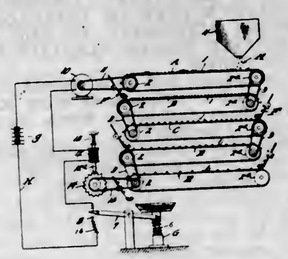
1. A pump anchoring device adapted to be anchored within a well tubing including, a tubular mandrel, a slip-expanding cone mounted on said mandrel, an expansible packing element surrounding the mandrel and supported on the cone, gripping slips slidable on said cone and movable into an expanded gripping position with the well tubing upon relative downward movement of the cone with respect to the slips, a tubular slip carrier slidable on the mandrel and connected with the gripping slips, means for detachably connecting the slip carrier to the mandrel in a position holding the slips retracted, detachment of said means permitting downward movement of the mandrel and cone with respect to the gripping slips, whereby said slips are expanded into gripping position, means secured to the mandrel and arranged to engage within the packing element upon downward movement of the mandrel with relation to the element for expanding said element into sealing position with the wall of the tubing, said slip carrier comprising a tubular casing section surrounding the mandrel, a sleeve surrounding and secured to the upper end of the casing section, an annular bushing engaged within the upper end of said sleeve and connected with the gripping slips, said bushing and sleeve having complementary aligned annular grooves, and a split retaining ring engaged within said grooves for fastening the bushing and collar together while permitting a swivel action therebetween.

2,496,547
CYLINDER LINER
Francis M. Lankford, Houston, Tex.
Application May 14, 1945, Serial No. 593,712
10 Claims. (Cl. 309—3)



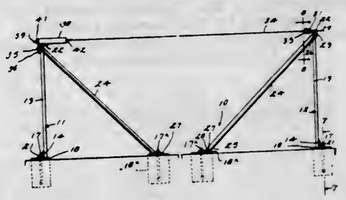
6. In a pump liner, an inner cylindrical liner of hard metal, two cylindrical support sections enclosing the liner, annular grooves in the ends of the liner, complementary annular grooves in the cylindrical sections, annular packing means inserted in the grooves, and a turnbuckle member drawing the sections together, the turnbuckle member having annular packing rings interposed between its ends and the cylindrical sections.

2,496,548
MACARONI WEIGHING MACHINE
Vincent S. La Rosa, John Shields, and Robert E. Bernier, Danielson, Conn., assignors to V. La Rosa & Sons, Brooklyn, N. Y., a corporation of New York
Application April 13, 1948, Serial No. 20,628
3 Claims. (Cl. 198—39)



1. In a weighing machine for dry macaroni sticks and the like, a plurality of horizontal conveyors located one below the other and adapted to travel at progressively faster speeds, a transfer plate positioned adjacent the discharge end of one of said conveyors, said transfer plate being disposed at an inclination to the horizontal for intercepting the sticks leaving last said conveyor, and a shallow pocket provided at the lower end of said transfer plate for interrupting the travel and orienting the sticks preliminary to their discharge from said transfer plate.

2,496,549
METAL CLOTHESLINE FRAME
Carl A. Larson, Julesburg, Colo.
Application December 19, 1947, Serial No. 792,679
1 Claim. (Cl. 211—119.15)



A clothesline frame comprising corresponding end sections each including at least two upright supporting posts, a downwardly and inwardly extending diagonal brace connected to each supporting post, a cross-bar secured to the upper ends of the supporting posts of each frame section, means for anchoring the lower ends of the supporting posts and braces relatively to a supporting surface, the cross-bar of one of said frame

sections having means for detachably anchoring a plurality of lengths of clothesline thereto, and means carried by the cross-bar of the other clothesline section for detachably and adjustably connecting the opposite ends of the clothes lines to said last mentioned frame section, said last mentioned means comprising tubular members secured to said last mentioned frame section, bolts extending slidably and non-rotatably through said tubular members and connected to the last mentioned ends of the clotheslines, and adjusting nuts carried by said bolts and bearing against portions of the last mentioned frame section for drawing the bolts away from the other frame section for tensioning the clotheslines.

2,496,550

METHODS OF RECOVERING CHEMICALS IN THE MANUFACTURE OF CELLULOSE BY DIGESTION ACCORDING TO THE ALKALINE SULFITE AND/OR ALKALINE BISULFITE METHODS

Eric Johan Larsson and John Harald Jonsson, Harnas, Sweden, assignors to Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden, a corporation of Sweden

No Drawing. Application July 6, 1948, Serial No. 37,322. In Sweden July 24, 1947
6 Claims. (Cl. 23—64)

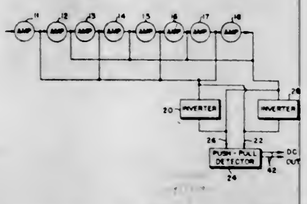
1. In a process for the recovery of the alkali salts from the waste liquors from the production of cellulose by the digestion of the wood with an alkali salt selected from the group consisting of alkali sulphites and alkali bisulphites, the steps which comprise evaporating and burning said waste liquor to form a molten mass containing alkali and sulphur compounds, dissolving said molten mass in a solvent, introducing carbon dioxide into the solution thus formed and thereby forming alkali bicarbonate, the addition of carbon dioxide being continued until the bicarbonate formed is near its limit of solubility, heating said solution to eliminate hydrogen sulphide formed therein, introducing additional carbon dioxide into said solution whereby alkali bicarbonate is crystallized therefrom, and subsequently separating the crystallized alkali bicarbonate from said solution.

2,496,551

LOGARITHMIC CASCADE AMPLIFIER

James L. Lawson and Francis W. Martin, Cambridge, Mass., assignors, by direct and mesne assignments, to the United States of America as represented by the Secretary of War

Application December 10, 1945, Serial No. 634,074
7 Claims. (Cl. 250—27)



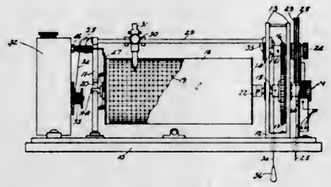
1. A voltmeter circuit, comprising a plurality of voltage amplifiers, each adapted to linearly amplify an input signal to be measured, said amplifiers each being further adapted to provide an output signal that approaches a constant value when its input signal exceeds a predetermined amplitude, means for applying a signal to be measured to the first of said amplifiers, means for additively combining all the output signals having a first phase, means for additively combining all the output signals having an opposite phase, first inverter means for inverting the combined signal having said first phase, second inverter means for inverting the combined signal having said opposite phase, a push-pull detector circuit, means for applying said combined signals of said first phase and the inverted combined signals of said opposite phase to said detector circuit, and means for applying said combined signals of said opposite phase and the inverted combined signals of said first phase to said detector circuit, whereby said detector circuit produces a unidirectional output potential proportional to the logarithm of the amplitude of said input signal to be measured.

2,496,552

WATER-LEVEL RECORDING DEVICE HAVING CLOCK OPERATED STARTING MEANS

George A. Lewis, Independence, Calif.

Application June 7, 1945, Serial No. 598,068
4 Claims. (Cl. 346—20)



4. In a water level recording device of the type comprising a rotatably supported drum designed to receive a record sheet, a stylus adapted to move longitudinally of the drum, a spring clock mechanism operatively coupled with the stylus for regulating the movement of the stylus relative to the record sheet, the clock mechanism including a balance wheel; a guide adapted to be attached to the clock mechanism adjacent to the balance wheel, an elongated member slidably supported in the guide and adapted when moved in one direction to engage the balance wheel to maintain the latter against movement, means normally urging movement of the member in a direction to disengage it from the balance wheel, and a pawl carried by the drum to extend radially with respect to the drum, said pawl being adapted to be positioned in the line of movement of the elongated member to maintain such member against releasing movement relative to the balance wheel while said drum is stationary.

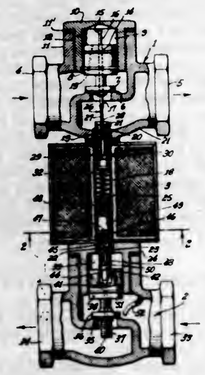
2,496,553

VALVE MECHANISM

Edgar Earle Littlefield, Los Angeles, Calif.

Application November 18, 1942, Serial No. 465,994
17 Claims. (Cl. 137—144)

11. An electrically controlled valve structure including a normally open valve, an auxiliary valve controlling the normally open valve, a normally closed valve, a second auxiliary valve for controlling the normally closed valve, two armatures one for actuating each of the two auxiliary valves, and a single electromagnetic coil com-



mon to the armatures of the two electromagnetically controlled auxiliary valves.

2,496,554

MECHANICAL PENCIL

Gary Lynn, Melrose Park, Ill.

Application December 18, 1946, Serial No. 716,907
6 Claims. (Cl. 120—18)



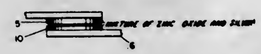
1. In a mechanical pencil, a tubular housing divided longitudinally along diametrically opposite sides to form two similar abutting sections, a tubular barrel snugly enclosing said housing, a guide tube mounted within said housing to receive a writing lead, means operable responsive to movement of said guide tube relative to said tubular housing to move a writing lead longitudinally through said guide tube, and a member mounted in one end of said housing, said member having an annular flange disposed within and preventing relative longitudinal displacement of the two sections forming the housing.

2,496,555

CONTACT FOR ELECTRICAL SWITCHES

Lynn H. Matthias, Fox Point, and Eugene C. Ragatz, Whitefish Bay, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 2, 1945, Serial No. 597,195
6 Claims. (Cl. 200—166)



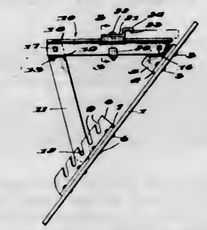
1. In an electrical switch a stationary contact, a movable contact to engage said stationary contact, said contacts consisting of a mixture of zinc oxide and silver, said zinc oxide within the range from 2½ per cent to 10 per cent of the total weight of each contact.

2,496,556

SCAFFOLD SUPPORTING BRACKET

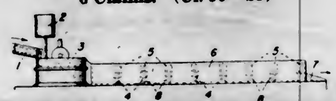
Alvin J. Nelson, Oshkosh, Wis.

Application December 16, 1946, Serial No. 716,512
5 Claims. (Cl. 248—237)



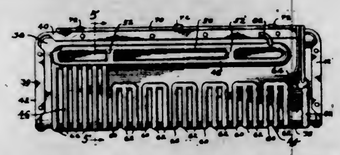
1. A scaffold supporting bracket comprising a scaffold supporting arm and linearly spaced supporting means for same, said arm comprising linearly extending parallel angle irons having relatively adjacent depending flanges extending between and connected to said respective spaced supporting means on opposite sides thereof, said supporting means serving to maintain said angle irons in relatively spaced relation to define a linear slot therebetween, and lateral flanges directed away from each other in a common plane to provide a scaffold supporting surface, in combination with a clamp comprising vertically opposed linearly slidable guides spanning said slot above and below said angle irons respectively for linear adjustment between said linearly spaced supporting means, said upper guide extending across the upper surfaces of said lateral flanges and around and beneath the relatively remote linear edges thereof, said lower guide extending across the lower edges of said depending flanges and slidably engaging the relatively remote sides of said flanges, said guides maintaining said angle irons against relative spreading, threaded adjusting means extending through said slot and connecting said guides for adjustment toward each other into frictional engagement with said angle irons, and a clamp jaw mounted for relative vertical adjustment on said upper guide, said jaw being connected to said threaded adjusting means to be urged downwardly thereby into operative clamping engagement with a scaffold member supported on said arm.

2,496,557
PROCESS FOR THE TREATMENT OF MASSES CONTAINING CHOCOLATE
Tore Nordenskjöld, Malmo, and Knut Sixten Holmquist, Stockholm, Sweden
Application December 16, 1946, Serial No. 716,634
In Sweden April 1, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 1, 1962
6 Claims. (Cl. 99—23)



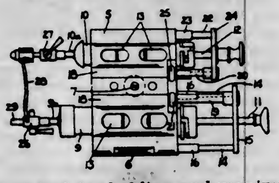
1. In a process for the improvement of chocolate masses which includes a conching treatment of such masses, the step which comprises subjecting such masses to the influence of mechanical oscillations with a frequency of the order of at least 15 kilocycles per second.

2,496,558
REFREGIRANT EVAPORATOR
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application March 20, 1948, Serial No. 16,092
5 Claims. (Cl. 62—126)



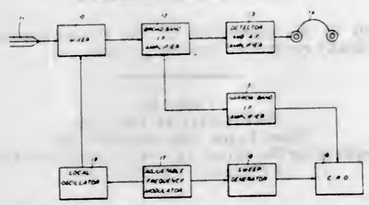
1. A refrigerant evaporator comprising, wall means, a refrigerant accumulator formed in and by said wall means, a sinuous refrigerant passage extending from an inlet partway along and in said wall means for direct expansion of refrigerant passing therethrough, and a series of connected parallel passages extending along another portion of said wall means laterally of and parallel to said sinuous passage and connected to the outlet of said sinuous passage and also connected to the inlet of said accumulator.

2,496,559
SURGICAL AND MEDICAL SYRINGES
Alojsy Piechaczek, Edinburgh, Scotland
Application June 3, 1946, Serial No. 674,144
In Great Britain September 17, 1945
3 Claims. (Cl. 128—214)



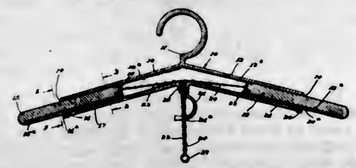
1. A hand tool for holding and manipulating a pair of surgical syringes for alternate extraction and injection through a single hypodermic needle connected to both syringes, comprising a holder, means for detachably holding both syringes individually in said holder in parallel spaced relationship, a pair of tubular spring guides on said holder for each syringe, the spring guides of each pair being disposed one at each side of the associated syringe, tubular rods slidable one in each of said spring housings, crossheads connecting the ends of the pairs of rods slidable in the associated spring guides, said crossheads being adapted to engage the plunger rods of said syringes, helical compression springs housed in said rods and extending into said spring guides for urging said crossheads outwards away from the holder, detent means for holding each pair of said spring rods independently in fully extended position, and finger-actuated means for controlling said detent means to enable one plunger rod to be urged outwards and to be held retracted while the other plunger rod is held in its retracted position, and to enable the last-mentioned plunger rod to be released and to be pressed manually inwards while the first-mentioned plunger rod is held in retracted position by said detent means.

2,496,560
RADIO SPECTRUM MONITORING APPARATUS
Richard C. Raymond, State College, Pa., assignor to the United States of America as represented by the Secretary of War
Application November 27, 1945, Serial No. 631,190
6 Claims. (Cl. 250—20)



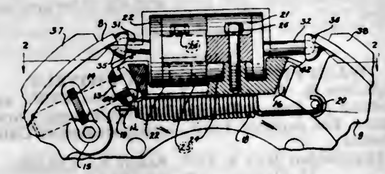
1. In a network adapted to translate waves of a given frequency, an oscillator, a mixer for heterodyning said wave with the output of said oscillator to derive difference-frequencies, a channel fixedly tuned in the region of a predetermined difference-frequency and coupled to the output of said mixer, means continuously and periodically varying the frequency of said oscillator over a range extending at least from the frequency of said waves minus the predetermined difference-frequency to the frequency of said waves plus the predetermined difference-frequency and signal indicating means coupled to the output of said channel.

2,496,561
ADJUSTABLE GARMENT HANGER
Jack A. Saunders, Woodside, N. Y.
Application December 8, 1947, Serial No. 790,404
8 Claims. (Cl. 223—94)



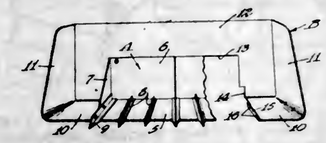
1. A garment hanger having oppositely extending tubular hanger arms open at the outer ends, a plunger rod slidable in each tubular hanger arm and provided with a longitudinal groove in one side thereof, a key mounted on the outer end of each hanger arm to engage the groove of the adjacent plunger rod, and a flexible elastic strip connected to the outer end of each hanger arm and to the inner end of each plunger rod and adapted to propel its plunger rod outwardly of the hanger arm.

2,496,562
BRAKE CYLINDER SUPPORT
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application October 31, 1946, Serial No. 706,848
7 Claims. (Cl. 188—152)



1. A brake mechanism comprising a spider having bosses formed thereon; a member having two spaced wheel cylinders formed therein and supported on said bosses; means to secure said member to said bosses; and a plurality of abutment means formed on said spider for receiving brake thrust, each abutment means aligned with a wheel cylinder axis.

2,496,563
EXTENSION FOR MATERIAL HANDLING SCOOPS
George Siems, Fairmont, Minn.
Application June 12, 1947, Serial No. 754,171
6 Claims. (Cl. 214—145)



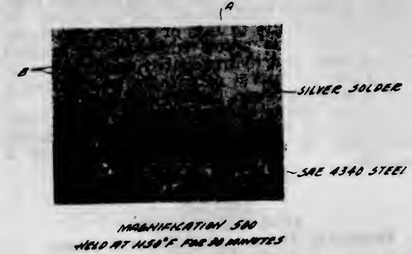
1. An extension attachment for material handling scoops having bottom and back members, comprising an extension body having laterally spaced bottom portions defining an opening scoop receiving space between them and being arranged for attachment to the sides of said scoop, extension body side portions extending upwardly from the outer side edges of said bottom portions, and back structure connecting said bottom portions extending upwardly from rear of said bottom portions and arranged for attachment to the back of said scoop.

2,496,564
LOW MELTING POINT SILVER SOLDER
Walter Soller and Gerard Kraus, Cincinnati, Ohio, assignors to the United States of America as represented by the Secretary of War
Application July 16, 1947, Serial No. 761,258
5 Claims. (Cl. 75—134)

1. An alloy suitable for brazing, consisting of

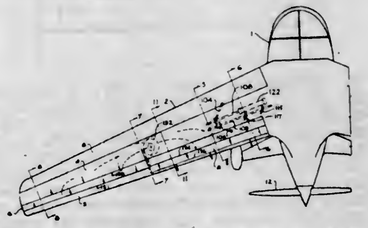
	Per cent by weight
Silver	36 –49
Copper	11 –19
Zinc	12 –16
Cadmium	18 –33
Mercury	1.0–10

said alloy when present to a thickness of at least 0.003 inch in a brazed joint between steel surfaces, being characterized by a tensile strength of 40,000 pounds to 70,000 pounds per square inch



and having a melting point range between 1100° F. and 1200° F., and being characterized by suitability for brazing and high strength of the brazed joint.

2,496,565
TAILLESS AIRCRAFT WITH STABILIZING WING
Edward A. Stalker, Bay City, Mich.
Application November 26, 1945, Serial No. 630,749
5 Claims. (Cl. 244—42)



1. In an aircraft, a wing, a wing main body, a nose flap and a tail flap adjustably supported respectively at the front and rear of said body to form said wing, means responsive to the pressure difference at two spaced points on the wing upper surface, and means controlled by said responsive means to adjust said flaps in coordination in response to changes in said pressure difference to maintain a predetermined pressure distribution on the wing surface.

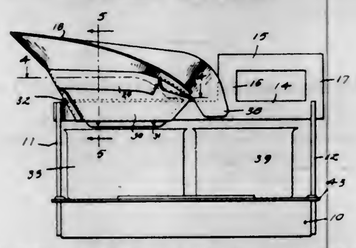
2,496,566
WATER-VAPOR RESISTANT COATED PAPER
Alexander Szwarc, Montreal, Quebec, Canada
No Drawing. Application October 19, 1946, Serial No. 704,536
2 Claims. (Cl. 117—155)

1. As a new article of manufacture, a kraft paper sheet having at least one side thereof coated with a non-infused continuous, flexible, water-vapor resistant film of a coating composition which withstands creasing and folding without rupture or cracking; retains its flexibility at temperatures substantially below sub-zero; is characterized by exceptionally low water-vapor transmission and withstands prolonged exposure to weather, fumes and alcohol without appreciable deterioration and is non-blocking, said composition containing as essential body-forming constituents in total amount at least about 99% by weight of the composition from 50% to 80% of asphalt mineral rubber products having a melting

point of from 320° F. to 350° F., from 10% to 25% of a coumarone indene resin consisting of a mixture of polymerized coumarone and polymerized indene, said coumarone and indene obtained from solvent naphtha fractions of coal tar at 280° F. to 340° F., from 2% to 10% of a rosin plasticizer selected from the group consisting of methyl ester of rosin and hydrogenated methyl ester of rosin, from 4% to 7% of paraffin wax having a melting point between 122° F. and 150° F.

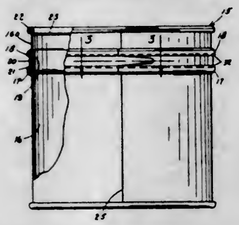
2. A new article of manufacture as set forth in claim 1, in which said composition includes from 0.5% to 1% copper naphthenate as a fungicide.

2,496,567
EGG SEPARATOR
Edward C. Thorpe and William C. Shiew, Dodge City, Kans.
Application June 11, 1945, Serial No. 598,852
1 Claim. (Cl. 146—2)



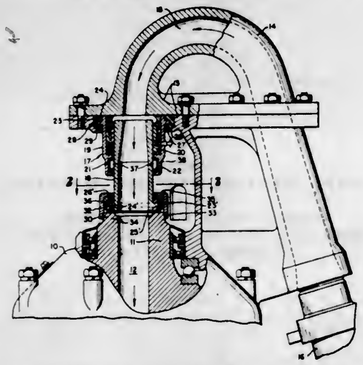
In combination a tray, a pair of upstanding arms carried by said tray, a horizontal bar carried by said arms, a channel member formed of downwardly convergent opposite sides, a closed end and an open end, the convergent lower edges of said sides being spaced apart, a downwardly tapering tubular guide carried by said channel member and extending from the convergent edges of the sides thereof, an L-shaped bar engaging member carried by one side of said tubular member, and detents carried by said L-shaped member for releasably securing said L-shaped member on said bar.

2,496,568
CAN BODY CONSTRUCTION
William Tomarin, Cincinnati, Ohio
Application March 30, 1946, Serial No. 658,546
9 Claims. (Cl. 220—54)



1. A cylindrical body for a hermetically sealed, reclosable can, said body having intermediate its top and bottom edges an annular multi-folded section, said section comprising three superposed concentric panels, the intermediate panel being integrally connected at its top with the innermost panel and at its bottom with the outermost panel, and a pair of external narrow folds bent toward each other and respectively overhanging the top and bottom edges of said outermost panel and providing circumferential shoulder beads, said outermost panel having circumferential score lines near its edges and disposed in concealed relation respectively beyond the edges of said shoulder beads, the metal of said outermost panel intermediate said score lines being removable in known fashion as a tear strip effecting a remaining metal edge at the location of the lowermost score line disposed in positively inaccessible relation below the top of the lowermost circumferential bead and intermediate said bead and the intermediate panel.

2,496,569
WASH PIPE FOR ROTARY SWIVELS
Guglielmo R. Tremolada, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application May 9, 1945, Serial No. 592,905
15 Claims. (Cl. 285—97.1)



1. In a wash pipe connection for a rotary swivel having a body, a rotary member supported by said body, and a stationary member supported by said body in spaced relation to said rotary member, said members having fluid passages which are to be connected, the combination of: a first tubular part yieldably connected to one of said members and extending toward the other of said members; a second tubular part yieldably connected to the other of said members and telescoping said first tubular part so that one of said parts will extend within the other of said parts; packing means disposed between said parts to seal off the annular space between the same; and a radial bearing operative between said parts to maintain concentricity of said parts during relative rotation thereof, thereby avoiding destructive pounding action on said packing means.

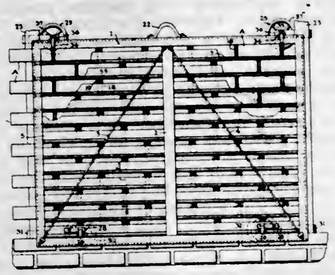
2,496,570
HEMP BREAKING MACHINE
Adam L. Trumbo, Lancaster, Ky.
Application September 1, 1943, Serial No. 500,851
14 Claims. (Cl. 19—19)

6. A hemp treating machine comprising a breaker for crushing hemp stalks, a conveyor for transporting the latter, endless traveling members at each side of the machine above the conveyor movable in the direction thereof, bars carried at their ends in spaced relation by said members, depending spaced fingers pivotally carried by the bars which successively project into the fibers carried by the conveyor, and means for



driving the conveyor and the endless members and means for rocking the fingers in the planes of their respective bars.

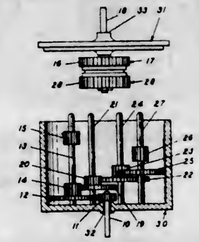
2,496,571
FORM FOR CONSTRUCTING TILE-FACED CONCRETE WALLS
John J. Wagner, Cedar Rapids, Iowa
Application January 11, 1949, Serial No. 70,269
7 Claims. (Cl. 25—131)



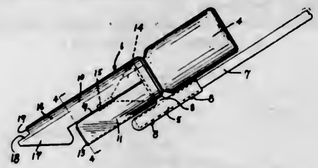
1. A structure for sustaining one face of a poured concrete body and for positioning tile-like members to be incorporated in said face, said structure comprising, a sustaining frame; a series of spaced, parallel supporting members on said frame; clamps sustained by respective supporting members and extending substantially the entire length thereof, each clamp comprising a split, expansive metallic tube having clamping flanges extending along the opposite margins of said split, and inflatable expanders within the tube and serving upon inflation to expand the tube and so force the clamping flanges thereof apart, the flanges of pairs of adjacent tubes being spaced to receive between them courses of facing tile-like members; means for masking the interval between the two flanges of the clamp whereby the entrance of concrete into the clamp is inhibited; means for holding said frame in position as a part of a mold structure; and means for inflating said expanders.

2,496,572
MECHANICAL TRANSMISSION
Chester P. Williams, Waltham, Mass., assignor to the United States of America as represented by the Secretary of War
Application August 30, 1945, Serial No. 613,613
5 Claims. (Cl. 74—812)

1. In apparatus for transmitting mechanical energy the combination of a reversible prime mover, a driver shaft, a driven shaft coaxial with said driver shaft, a first train of speed changing gears driven by said driver shaft, a second train of speed changing gears driven by said driver shaft and having a gear ratio differing from that of said first train, said gears being positioned substantially in an arc about the axis of said driver shaft, and an automatic clutch mechanism, in which combination the gears of said first train drive a first element of said automatic clutch mechanism in the same direction of rotation as that of the prime mover and the gears of said second train drive a second element of said automatic clutch mechanism in the opposite direction of rotation to that of the prime mover and in which one of said clutch elements engages and drives said driven shaft while the other clutch element is disengaged from said driven shaft and allows free rotation of said driven shaft in the direction imparted by said first element and in which, upon reversal of the direction of rotation of said prime mover, said clutch element engaged with said driven shaft before reversal becomes disengaged therefrom and said clutch element disengaged from said driven shaft before reversal becomes engaged with and drives said driven shaft, whereby the direction of rotation of the driven shaft is the same regardless of the direction of rotation of the prime mover and the driver shaft.

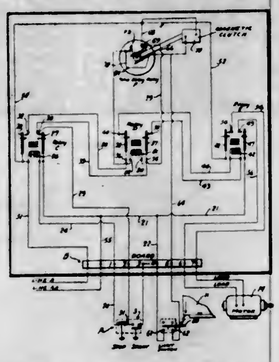


2,496,573
FERTILIZER DISTRIBUTOR
William B. Aspinwall, Spokane, Wash.
Application April 27, 1946, Serial No. 665,601
6 Claims. (Cl. 111—82)



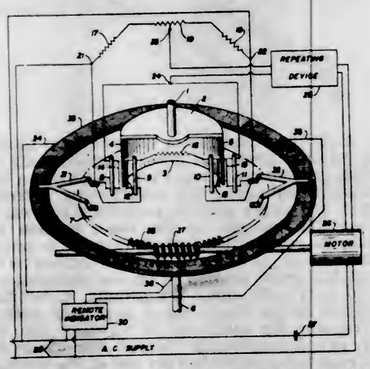
1. A fertilizer distributor comprising a tubular body having upper and lower longitudinally extending portions, said lower portion having a longitudinally extending bill constituting a trench opener, the upper portion extending rearwardly beyond the rear end of the lower portion and having its rearwardly projecting portion constituting a blade for filling in a trench formed by the bill of the lower portion when the distributor is moved forwardly along the ground, a fertilizer container at the front end of said body open at its rear end for discharge of fertilizer into the body, and a rearwardly tapered member in the body registering with the rear end of the container for controlling flow of fertilizer from the container into the body for deposit into a trench formed by the bill.

2,496,574
TIMING CONTROL SYSTEM
Clyde Boger, Sault Ste. Marie, Mich.
Application April 9, 1948, Serial No. 20,031
7 Claims. (Cl. 318—443)



1. An electrical control system for an electrically operated mechanism which comprises a source of electrical energy, a conductive means for connecting said source to said electrical power unit, a solenoid operated relay switch interposed in said conductive means, a second conductive means for directing energy from said source to said solenoid operated relay, a second normally closed relay in said second conductive means, a time delay means for controlling electrical energy from said source, and means connecting said time delay means to said second relay whereby in response to predetermined time movement of said mechanism, said second relay is operated to interrupt energy to said first solenoid operated relay to interrupt energy to said electrical mechanism.

2,496,575
BOLOMETER TYPE TELEMETRIC SYSTEM
Samuel Bousky, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application November 25, 1944, Serial No. 565,153
2 Claims. (Cl 318—31)

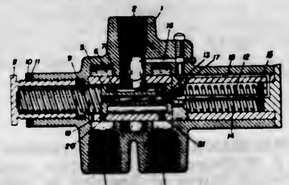


1. A telemetric system comprising a primary indicating shaft, a shroud carried thereby, a follower rotatably mounted independently of said shaft for correlative movement therewith, heating elements and bolometer receiving elements carried by said follower, said heating and receiving elements being arranged on opposite sides of said shroud so that the latter controls the heat received by the heating elements, a bridge circuit including said receiving elements, a single phase A. C. supply for said bridge circuit, and a two-phase motor receiving one phase from said supply through a phasing condenser and receiving the other phase from the output of said bridge for rotating said follower to produce said correlative movement in response to the heat received by said receiving elements.

2,496,576
GLYCERIN CONDENSATION
Purdy Bradford, Palos Heights, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 23, 1945, Serial No. 630,566
5 Claims. (Cl. 260—417)

1. In a continuous soap making process the steps comprising: liquefying a saponifiable fat by adding to said fat a hydrocarbon diluent having a vapor pressure approximately that of undecane; adding a water solution of a calculated amount of alkali to said fat and hydrocarbon sufficient to saponify said fat; saponifying said fat by passing said fat, said hydrocarbon and aqueous alkali through a restricted passage at an elevated temperature; ejecting said hydrocarbon, said water and the products of the saponification including soap and glycerine from the restricted passage at high velocity into a region of diminished pressure whereby said glycerine, said water and said hydrocarbon are vaporized, said glycerine, water and hydrocarbon vapor mixture having a vapor pressure approximately twice the vapor pressure of the hydrocarbon at the glycerine condensing temperature; separating said vapors from said soap; condensing glycerine from the vapor system without condensing said hydrocarbon and water; and subsequently separately condensing the hydrocarbon and water.

2,496,577
OIL PRESSURE REGULATOR
Lysle D. Cahill, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application November 1, 1945, Serial No. 626,097
4 Claims. (Cl. 137—153)



1. An hydraulic pressure regulator for maintaining constant pressure in a system comprising a housing, an intake port and two outlet ports in said housing, a cylinder integral with said housing between the intake port and the outlet ports, the intake port leading directly into said cylinder, two passages in the cylinder wall leading to one outlet port, a third passage in the cylinder wall leading to the second outlet port,

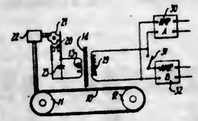
a sliding tubular spool valve with a needle valve seat in one end of its tubular portion located within the cylinder, a spring engaging said valve at one end, a threaded plug engaging the housing for adjusting the tension on said spring, a needle valve mounted in the housing axially with respect to the spool valve on the opposite side of said valve from the adjustable plug, pressure responsive means for urging said needle valve into its seat, a spring for normally opposing engagement of said needle valve with its seat in the tubular portion of the spool valve, a cap on said spring and said needle valve, a passage in the housing to permit fluid to flow from the intake port to the needle valve end of the spool, and a second passage to permit fluid to flow from the intake port to the cap on the needle valve.

2,496,578
KNIFE SHARPENER
Bernard L. Chapin, Winchester, Noble L. Davis, Melrose, and Thomas H. Cabot, Jr., Boston, Mass., assignors to New England Carbide Tool Company, Inc., Cambridge, Mass., a corporation of Massachusetts
Application November 15, 1947, Serial No. 786,210
3 Claims. (Cl. 76—86)



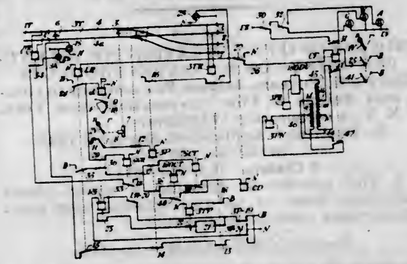
3. A sharpener for knives and the like having, in combination, a pair of sharpening elements, a frame piece having an aperture adjacent the top thereof and adapted to hold therein said paired sharpening elements with their upper parts in V-shaped relation, and a casing substantially enclosing said frame and said sharpening elements, said casing having an aperture registering with said frame aperture, and having walls engaging and exerting pressure on the sides of said frame and said sharpening elements.

2,496,579
SENSING SYSTEM FOR MAGNETICALLY RECORDED SIGNALS
Raymond E. Cheney, Endicott, John L. Wagner, Endwell, and Robert E. Lawhead, Vestal, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 5, 1949, Serial No. 69,342
12 Claims. (Cl. 235—61.11)



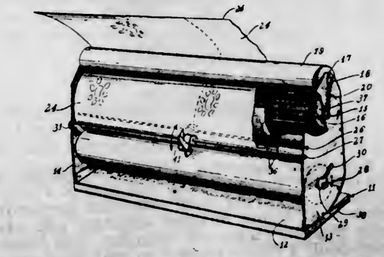
1. A system for sensing and reproducing voltage impulses recorded as discrete magnetized spots on a record member, comprising a sensing coil positioned adjacent the record member, driving means producing relative movement between the coil and record member whereby the spots pass the coil in succession, each spot in passing the coil providing a varying flux linking the coil windings, a work device coupled to said coil and responsive to a voltage thereacross, a short-circuiting connection across said coil whereby a varying flux linking the coil windings causes a circulating current through said connection and coil to build up a counter flux about the coil, and means for interrupting said connection momentarily during the passing of each spot by the coil while the circulating current has a relatively high magnitude to cause a voltage impulse to be produced across said coil by a collapse of the counter flux.

2,496,580
SWITCH LOCK CONTROL AND INDICATION
William H. Claus, Downers Grove, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 13, 1947, Serial No. 754,337
10 Claims. (Cl. 246—219)



4. In a control and indication arrangement for an electric lock for a lock lever which in its normal position locks a railway track switch in its normal position, the combination comprising, manually controllable means for energizing said electric lock for releasing said lock lever, and indication means controlled by said manually controllable means for displaying a given indication while said lock lever remains in its normal position after said electric lock becomes energized and for then displaying a second indication when said lock lever is moved away from its normal position and also for displaying a third indication by an aspect which is different from the aspect of said indication means for displaying either said first or said second indication when said lock lever is returned to its normal position.

2,496,581
WALLPAPER PASTING DEVICE
John S. Drienka, Chicago, Ill.
Application January 25, 1946, Serial No. 643,227
3 Claims. (Cl. 91—14)



1. A device of the character described comprising, a frame-work, a paper roll supporting spindle removably mounted in the said frame-

work, articulate locking means secured to the said frame-work and arranged to releasably lock the said supporting spindle, outer and inner guide rods forming a pair of wall-paper guide rods spaced apart in substantially superimposed relationship mounted in the said frame-work above the said supporting spindle, a glue reservoir mounted in the said frame-work adjacent the said guide rods, glue distributing means rotatably mounted in the said glue reservoir, a mating feed roller removably mounted in the said frame-work and resiliently urged into contacting relationship with the said glue distributor means, and sectional piercing knife means adjustably and articulately mounted on the outer of the said guide rods and adapted to cut off a fractional width of wall-paper when in its operative position and further adapted to be swung arcuately to inoperative position.

2,496,582

PROCESS OF CONCENTRATING POLYALKYLENE OXIDE CONDENSATION PRODUCTS

Charles E. Enyeart, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 9, 1945, Serial No. 609,925
2 Claims. (Cl. 260—613)

1. The process of treating a water-soluble polyglycol ether of an alkyl phenol, said polyglycol ether having the formula

$$R—(O—CHR'—CHR'—)_n—OH$$

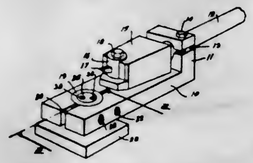
in which R stands for the hydrocarbon residue of an alkyl phenol, R' stands for a member of the group consisting of hydrogen and lower alkyl, and n is at least 6, which comprises diluting said polyglycol ether with an aqueous medium to form a fluid dilute solution, contacting the dilute solution with a solid adsorbent, removing the adsorbent therefrom, heating the dilute solution to a temperature of about 100° C. and maintaining said solution at said temperature until it separates into an aqueous and organic phase, separating the two phases and using the thus-obtained aqueous phase as the aqueous medium in the dilution step specified.

2,496,583

TOOL POST

Allen Farris Feaster, Boulder, Colo.

Application March 29, 1946, Serial No. 658,146
3 Claims. (Cl. 82—36)



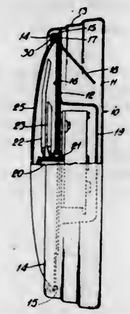
1. Means for mounting a tool post having a frame member, on the slotted tool slide of a lathe comprising: a bearing spool extending vertically through said frame member adjacent one extremity thereof; means for clamping said frame to said spool; a flange formed on said spool positioned to rest on the tool slide; a foot plate positioned to slide in the slot of said tool slide; a hollow stud extending upwardly from said foot plate; and a clamp screw threaded downwardly through said spool into said stud so that rotation of the clamp screw will draw said foot plate toward said flange to clamp the tool slide therebetween.

2,496,584

RETAINING RING FOR DIAL COVERS AND THE LIKE

Edward F. Geiger and Reynold B. Johnson, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 1, 1946, Serial No. 680,628
7 Claims. (Cl. 58—91)



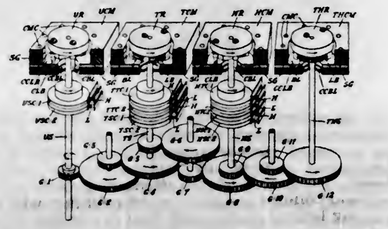
2. A composite retaining ring structure comprising a split ring element formed of wire stock with the two ends thereof separated to provide a gap therebetween for permitting circumferential expansion and contraction; a tubular element having a longitudinal central bore receiving said ring element and having a pair of ends spaced from one another to provide a gap therebetween, and being positioned on said ring element so that the two gaps are spaced circumferentially from one another; and a helically wound compression spring member formed of resilient wire stock and having a central bore receiving said ring element and filling the gap between the two ends of the tubular element.

2,496,585

CONTIGUOUS ROTATION COUNTER

Leonard R. Harper, West Hempstead, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 26, 1948, Serial No. 35,391
3 Claims. (Cl. 177—380)



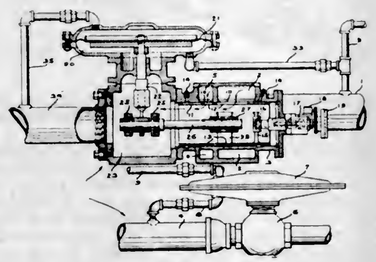
3. In a device for counting the revolutions of a shaft comprising a plurality of commutators having rotating elements seriately coupled to the said shaft, each of the said elements rotating with respect to the said shaft in predetermined decreasing ratios; a pair of brushes carried by each said element, the said brushes being electrically independent of each other and one brush leading the other by a predetermined amount; a predetermined number of contacts spaced equally upon each said commutator, the contacts being of a size and arrangement to be engaged successively by the said leading and lagging brushes either singly or in combination; and a pair of circuit breakers carried by the said element of each order, one of the said circuit breakers of each order being timed to close a circuit to the lagging brush of a higher order during contact of a lower order commutator brush with the first half of its said contacts, and another of the said circuit breakers of each order being timed to close a circuit to the leading brush of a higher order commutator during contact of the lower order commutator brush with the second half of its said contacts.

2,496,586

ROTARY PROPORTIONING AND MIXING APPARATUS

William Wallace Kemp and William Hunt, Baltimore, Md., assignors to The C. M. Kemp Manufacturing Company, Baltimore, Md., a corporation of Maryland

Application May 10, 1944, Serial No. 534,924
6 Claims. (Cl. 137—165)



3. Apparatus to feed a proportioned mixture of air and gas to meet a varying demand comprising a discharge conduit, a cylindrical chamber closed at one end and connected at the other end to said conduit, said chamber having around its circumference longitudinally separated groups of ports for the entrance separately of air to one longitudinal group and gas to another, conduits connected to the chamber for the admission of air and gas to said respective ports, a movable cylinder within said chamber having openings therein registering with said chamber ports to allow for the flow of air and gas thereinto, movement of the cylinder effecting variable registering of the respective air and gas port groups, in one direction, at the same time enlarging the passages of one group and diminishing those of the other group, manual means to move said cylinder lengthwise while permitting freedom of rotation, to vary the ratio of air and gas and means operable in response to variations in pressure in one of said conduits to rotate said cylinder, while permitting lengthwise movement, to vary the flow of the proportioned air and gas mixture therethrough.

2,496,587

PREPARATION OF CADMIUM SULFO-SELENIDE REACTANTS

Guy C. Marcot, Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 28, 1946, Serial No. 680,098
3 Claims. (Cl. 106—301)

1. In making cadmium red pigments, the method of improving the selenium conversion and color values which comprises, forming a calcinable composite comprising an admixture of cadmium sulfide, metallic selenium and a cadmium oxide reactant, said reactant being selected from the group consisting of cadmium oxide and compounds yielding cadmium oxide under calcination conditions, said composite being free from uncombined sulfur and having a mol ratio of metallic selenium:cadmium oxide of 3:2 and a cadmium sulfide:metallic selenium ratio of at least 1:3 whereby liberation of free sulfur during calcination is prevented, and calcining said composite.

2,496,588

CONTROLLED FLUX IN CALCINING CADMIUM PIGMENT CRUDE

Guy C. Marcot, Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application June 28, 1946, Serial No. 680,100
4 Claims. (Cl. 106—301)

1. In producing cadmium red pigments by calcining a mixture of a cadmium sulfide reactant, powdered selenium and a cadmium oxide reactant selected from cadmium oxide and compounds easily calcinable to cadmium oxide; the improved method of controlling the fluxing properties of the mixture which comprises: forming the cadmium sulfide reactant by a strike of an aqueous cadmium salt solution and a solution of a salt selected from the group consisting of the alkali metal and barium sulfides; washing the water-soluble salt content of the resultant thixotropic precipitate down to the about 1.5–3.0% limit which cannot be practically reduced by washing due to the thixotropic nature of the precipitate and supplementing the precipitate with about 0.2–1.0% of the total pigment weight of a water-insoluble phosphate anti-fluxing agent; forming a slurry of the so-treated precipitate; combining that slurry with slurries of the powdered selenium and the cadmium oxide reactant, whereby a composite mixture is obtained; washing the composite to a soluble-salt content, when dewatered, of about 0.1–0.5% of the solids; adding sufficient water-soluble salt, selected from the group consisting of the salts of sodium, potassium and mixtures thereof, to raise the total water-soluble salt content to about 0.5–1.5% of the solids, dewatering and drying the resultant composite.

2,496,589

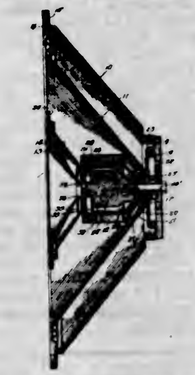
DOUBLE DIAPHRAGM LOUD-SPEAKER

John Firth Marquis, St. Charles, Ill., assignor to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois

Application May 8, 1945, Serial No. 592,591
9 Claims. (Cl. 179—116)

5. A device of the character described having, in combination, a housing having supporting means thereon and a mounting plate centrally of a rear portion thereof, a magnet structure forming two voice coil air gaps, means in part extending through one of said air gaps supporting said

magnet structure exclusively on said mounting plate, a diaphragm supported within said housing and carrying a voice coil positioned in one of said air gaps, a second diaphragm positioned in said



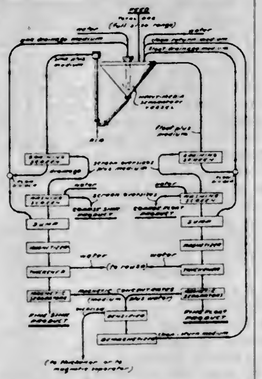
housing and carrying a second voice coil positioned in the other air gap and means carried by said magnet structure supporting said second diaphragm.

2,496,590

HEAVY-MEDIA SEPARATION PROCESS FOR ASSORTING SOLIDS

Corbin Marsh, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application September 26, 1945, Serial No. 618,759
1 Claim. (Cl. 209—173)



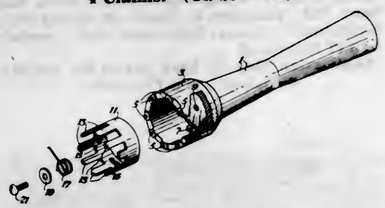
In a heavy-media separation of mixed particles of different specific gravities and of a wide size-range by immersing the mixture in a main fluid body, said fluid being a suspension in water of a sufficient amount of finely-divided magnetically-susceptible particles to produce an apparent fluid density lower than that of the higher-gravity particles and higher than that of the lower-gravity particles; separately collecting the higher-gravity particles which sink and the lower-gravity particles which float and recovering and reusing the magnetizable solids carried therewith from the "sink" and "float" fractions; the improved process in which the collected "sink" and "float" fractions are separately drained; a part of the drainings from each said fraction being returned separately and respectively to the lower levels and to the upper levels of the main fluid body; a finite amount of water is added to said lower levels, sufficient in amount to maintain the fluid density value in said lower levels thereof; the drained fractions are separately washed, the washings are separately collected; the non-recycled portions of the drainings are added to the washings; the magnetizable solids in drainings and washings mixtures is magnetized; the magnetized solids are magnetically collected; the magnetically collected material is densified; the densified material is demagnetized and the demagnetized material is recycled to the principal separatory zone in the upper levels in the separatory chamber together with only a finite amount of water sufficient to maintain the density of said zone in the upper levels of the fluid of the main fluid body at the desired value.

2,496,591

SOCKET ASSEMBLY TOOL

Thomas Maxwell, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 18, 1948, Serial No. 49,901
4 Claims. (Cl. 29—240)



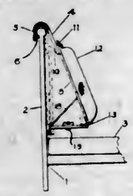
1. A socket assembly tool comprising: An outer shell having a handle attached thereto and provided with equally spaced pins projecting in an axial direction from the periphery of said shell, an inner shell adapted to be disposed in said outer shell, said inner shell having equally spaced fingers extending axially from one end of said inner shell, retaining means for retaining said inner shell within the outer shell and constraining it from axial movement with respect to said outer shell but permitting rotary movement with respect to said outer shell, means for positioning said inner shell so that the fingers thereof are in radial alignment with the pins of said outer shell, and means for limiting the rotation of said inner shell to a position in which the fingers of said inner shell are equidistant between the pins of said outer shell.

2,496,592

BED BACK REST

James E. Morgan, Lakewood, Ohio

Application April 26, 1945, Serial No. 590,357
4 Claims. (Cl. 5—71)



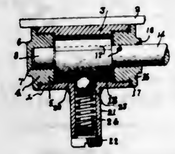
1. A bed back-rest comprising a back-rest structure including means for suspending it from a bed panel, spacing means hingedly connected to the lower end of said back-rest, said means comprising longitudinally adjustable sections and holding means connecting the back-rest structure and the spacing means adapted to limit the hinge-opening movement, said spacing means acting to space the lower edge of said back-rest structure from said bed panel and to hold said back-rest in an oblique position.

2,496,593

BICYCLE STAND

Edward Morgan, Dayton, Ohio

Application December 23, 1946, Serial No. 717,955
4 Claims. (Cl. 280—301)



1. In a stand for bicycles, a cylinder, a rotor in said cylinder, said rotor being cut away to provide two stops, a stop in the cylinder between the two stops to limit the rotation of the rotor in the cylinder; and means on the cylinder to engage the rotor tending to hold the rotor against turning when the cylinder stop is adjacent either of the rotor stops.

2,496,594

FORMALDEHYDE CORROSION INHIBITOR COMPOSITIONS

Melvin I. Moyer, Pawhuska, and Joseph M. Hersh, Bartlesville, Okla., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Application September 11, 1947, Serial No. 773,505
1 Claim. (Cl. 252—8.55)

The process of preventing the corrosion of metals when exposed to oil well brine containing sulfur compounds which comprises incorporating in the corrosive material a corrosion inhibiting composition comprising formaldehyde and ammonia in the ratio of from 5 to 20 parts of formaldehyde to one part of ammonia, and containing the reaction products of formaldehyde and ammonia when mixed in these proportions.

2,496,595

FORMALDEHYDE CORROSION INHIBITOR COMPOSITIONS

Melvin I. Moyer, Lawrence, Kans., and Joseph M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application September 11, 1947, Serial No. 773,505. Divided and this application September 30, 1948, Serial No. 52,128
3 Claims. (Cl. 252—8.55)

1. A corrosion inhibiting composition for inhibiting the corrosive action of oil well products containing hydrogen sulfide comprising an aqueous solution of formaldehyde and hexamine, in the ratio of from about 3 parts to 40 parts of formaldehyde to one part of hexamine, by weight.

2,496,596

FORMALDEHYDE CORROSION INHIBITOR COMPOSITIONS

Melvin I. Moyer, Lawrence, Kans., and Joseph M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application September 11, 1947, Serial No. 773,505. Divided and this application June 11, 1949, Serial No. 98,622
4 Claims. (Cl. 252—8.55)

1. The method of protecting metal equipment which is subject to the corrosive action of oil well products containing hydrogen sulfide, which comprises treating such metal equipment when in contact with the corrosive metals, with an aqueous solution containing a corrosion inhibiting agent including formaldehyde and an amino-reactive compound, selected from the group consisting of alkylamines, alkanol amines, aryl amines, alkylamino phenols, alkyl amino phenylene diamines, heterocyclic amines, and ureas, the proportion of amino-reactive compound to formaldehyde being from about one to three to about one to forty, the quantity of such agent being effective to substantially inhibit the corrosion of the metal of the equipment.

2,496,597

HAIR DRYING APPARATUS

Alexander Newman, Los Angeles, Calif.

Application April 4, 1947, Serial No. 739,337
10 Claims. (Cl. 34—90)



1. A hair drier comprising a chamber for circulating therein a heating fluid, said chamber provided with a housing adapted to surround the head at substantially the hair line, a member disposed in said housing conforming substantially to the contour of the head at the hair line, and fluid pressure means to project said member relative to said housing and into contact with the head to confine all the heating fluid in said chamber to the hair.

2,496,598

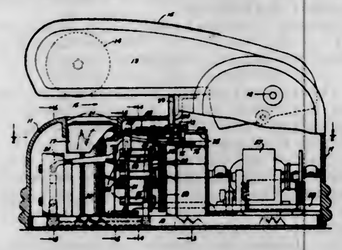
ELECTRICALLY CONTROLLED PLATEN OPERATING MECHANISM FOR TIME STAMPS

Frederick Q. Rast, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application February 11, 1944, Serial No. 521,933
12 Claims. (Cl. 101—287)

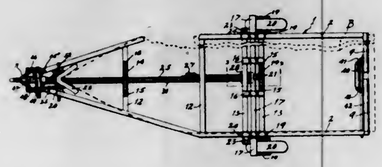
1. In a platen operating mechanism for a time stamp, the combination of a spring operated motor, an escapement member driven by said spring

motor, a platen actuating member, an electromagnetically controlled escapement mechanism for causing said escapement member to operate said platen actuating member to operate said platen to effect a paper stamping operation, and



a circuit for the electromagnet controlling said escapement mechanism and including contacts actuated by the paper inserted in the machine for a stamping operation to energize the electromagnet.

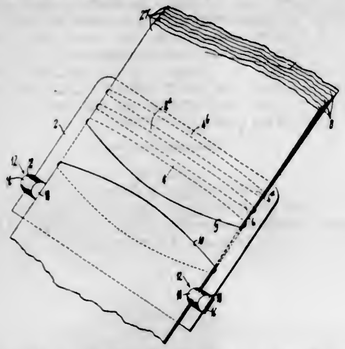
2,496,599
BOAT TRAILER
Walter Rivers, Coeur d'Alene, Idaho
Application June 25, 1948, Serial No. 35,079
4 Claims. (Cl. 214—65)



1. A trailer for loading and transporting a boat back of a towing vehicle comprising a frame having a saddle extending across its rear end for receiving the rear portion of a boat, rollers extending transversely of the frame and spaced from each other longitudinally thereof, the rear one of said rollers being shiftable vertically into and out of a raised position for preventing contact of the boat with the saddle as the boat is moved forwardly into position over the trailer, bracing means for engaging the bow of the boat and preventing movement thereof transversely of the trailer, wheels mounted for movement into and out of position for supporting the frame in a raised position out of contact with the ground, and means for connecting the front end of the trailer with a towing vehicle.

2,496,600
CARBON HOLDER FOR MANIFOLDING WORK
Bernard E. Schaefer, Beverly, N. J., assignor to Underwood Corporation, a corporation of Delaware
Application October 13, 1944, Serial No. 558,502
3 Claims. (Cl. 282—1)

2. A manifolding device for typewriting machines comprising a carrier sheet having a stop block receiving slot, one or more sheets of transfer paper attached to said carrier sheet, a stop block detachably mounted in said slot in the carrier sheet and having a cleft to receive a portion of said sheet at one side of said slot and means on the carrier sheet for removably holding



the block in position with said portion of the carrier sheet engaged in said cleft.

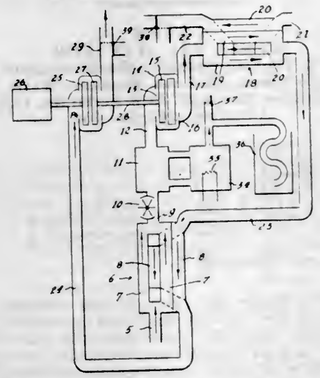
2,496,601
VEHICLE SIGNAL LAMP
Charles H. M. Schamblin, Bakersfield, Calif.
Application May 28, 1948, Serial No. 29,750
1 Claim. (Cl. 177—329)



A warning signal for attachment to a motor vehicle comprising; a lamp; a socket for said lamp, said socket providing with an insulated terminal; an insulated wire attached to said insulated terminal; means for grounding said socket; a bracket suitable for attachment to said motor vehicle; a flexible tubular shell connecting said socket to said bracket; said flexible tubular shell forming a conduit for insertion of said insulating wire; a threaded recess in said bracket; a threaded base attached to said tubular shell and adapted to fit said threaded recess; a threaded gasket securing said flexible tubular shell in said threaded recess; said insulated wire extending through said threaded base of said flexible tubular shell; a contact button attached to the insulated wire extending through said threaded base; an insulated terminal plate provided in said bracket; a threaded wire terminal located on said insulated terminal plate; a connecting bar attached to said threaded wire terminal and insulated terminal plate; an adjustable contact screw provided in said connecting bar and positioned to bear against said contact

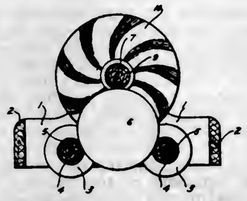
button; an access port provided in said bracket and adapted for insertion of a screwdriver in order to position said adjustable contact screw; an insulated conductor passing through said insulated terminal plate and adapted for attachment to the motor vehicle brake switch and serving as a source of energy to operate said lamp; all combined to provide a signal light which moves alternately forward and backward in the direction of the line of travel of said motor vehicle when the motion of said motor vehicle is changed by the application of the motor vehicle's brakes.

2,496,602
AIR-CONDITIONING SYSTEM
Ralph C. Schlichtig, Dishman, Wash.
Application January 29, 1946, Serial No. 643,992
5 Claims. (Cl. 183—120)



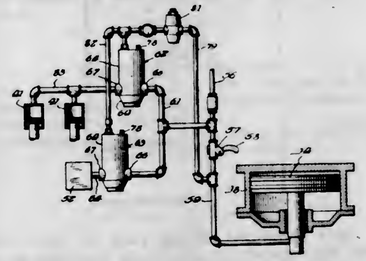
1. A method of conditioning the air of an enclosed space which comprises drawing in air from a space outside the enclosure then drying and compressing, substantially adiabatically, air so drawn in, transferring heat from the compressed air to a counter stream of air drawn from the enclosed space, thereafter transferring additional heat from the compressed air to the air drawn in before it is compressed, and expanding, substantially adiabatically, the cooled compressed air, discharging the expanded stream to one space and discharging the counter stream to the other space.

2,496,603
ROLLER TOY
Earnest L. Schwanengel, Dayton, Ohio
Application December 10, 1945, Serial No. 633,918
3 Claims. (Cl. 46—204)



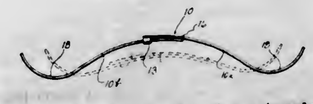
3. In a toy, a body composed of a pair of side members, each side member having adjacent its lower edge a pair of holes and adjacent its top a vertically elongated hole, a pair of axles rotatably mounted in the lower holes and having thereon wheels extending below the side members for supporting said body, a pair of floating discs resting upon the axles, each floating disc being adjacent one side member, a third axle mounted for rotation and vertical movement in the upper holes, said third axle resting on the floating discs and a fly wheel fixed on said third axle.

2,496,604
MOLDING MACHINE
Andrew Scott, Chicago, and James B. Amstutz, Oak Park, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 659,612
3 Claims. (Cl. 22—30)



1. In combined valve and piping means for a molding machine or the like, fluid supply means and conduit therefor including a lift cylinder in communication with said fluid supply means, stripper cylinders and a rapper to be actuated by said fluid supply means, a multi-way control valve in said fluid supply conduit, the said control valve upon actuation being closed to the fluid supply and opened respectively to exhaust to atmosphere and to communicate with the interior of the said lift cylinder, a plurality of multi-way timer valves in communication with the said fluid supply, each of the said timer valves having a pair of closure seats, and having a piston portion for actuating one of the closure seats and an air bleeder passage from the said piston means, a pressure relief valve in communication with said lift cylinder and adjustable to open upon predetermined pressure, conduit means leading from the said relief valve to the piston portion of the said timer valves, conduit means from the outlet side of one of the timer valves communicating with the said stripper cylinders and conduit means from the outlet side of the other of said timer valves in communication with the rapper.

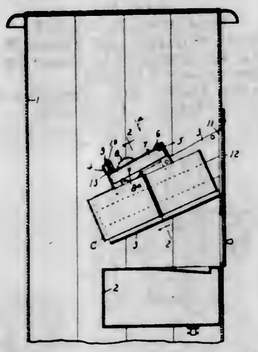
2,496,605
ARM SUPPORT
Donald F. Simmons, Seattle, Wash.
Application November 25, 1947, Serial No. 787,913
5 Claims. (Cl. 27—21)



1. An arm support of the character described comprising a flat bar adapted to be disposed upon and transversely across a body, and having an upwardly arched medial portion to conform to the body shape and having its opposite end por-

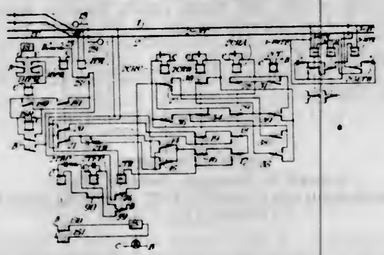
tions extended to opposite sides of the body and upwardly curved at their ends to provide upwardly facing seats for the resting of the arms of the body therein.

2,496,606
CAN CANCELING DEVICE
Harvey J. Smith, Danville, Va.
Application June 24, 1948, Serial No. 35,021
2 Claims. (Cl. 222—87)



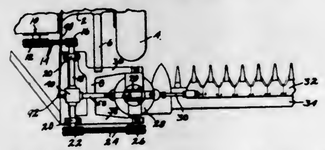
1. In a combined display rack, oil saver and waste can receptacle wherein is provided an oil pan and a can slide located over the oil pan, the improvement which comprises a combined can mutilator and can retarder mounted in cooperative association with said slide, said combined can mutilator and can retarder comprising two bridge members secured over said slide and spaced apart in the direction of the length of said slide, a can mutilating wheel, and means carried by said bridge members to mount said wheel for engaging cans passing along said slide to mutilate the same.

2,496,607
CODED SIGNALING APPARATUS
Crawford E. Staples, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 14, 1946, Serial No. 676,643
25 Claims. (Cl. 246—34)



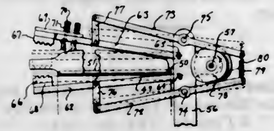
1. In a coded railway signaling system for a section of railway track having a code following track relay responsive to impulses of energy supplied over the rails of said section, code generating means for supplying said impulses of energy to the rails of said section, said code generating means comprising a code transmitter having contacts which are continuously operated between a first and a second position at a selected rate, a plurality of transmitter relays, circuit means governed by contacts of said code transmitter and of said transmitter relays for cyclically governing said transmitter relays so that on each movement of the contacts of the code transmitter the contacts of a different one of said transmitter relays are moved from their first to their second position until the contacts of all of the transmitter relays occupy their second position and so that thereafter on each movement of the contacts of the code transmitter the contacts of a different one of said transmitter relays are moved from their second to their first position until the contacts of all of the transmitter relays occupy their first position, and a circuit governed by said transmitter relays for connecting a source of energy across the rails of said section during one and only one step in the cycle of operation of said transmitter relays.

2,496,608
SICKLE BAR ELEVATOR
Roy R. Thomas, Spokane, Wash., assignor to Lyle Gordan McLean, Spokane, Wash.
Application March 29, 1948, Serial No. 17,737
5 Claims. (Cl. 56—25)



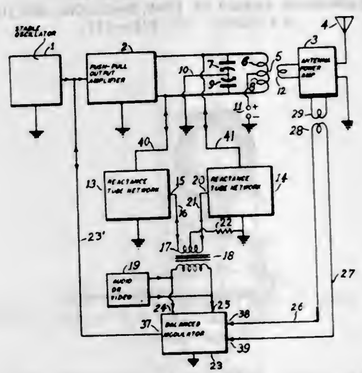
1. In a sickle bar elevator, the combination with a power take-off shaft for a tractor and a pivotally mounted drive unit for the sickle bar, of a gear cluster and housing journaled on the take-off shaft, clutch means for selectively operating the driven gear of the cluster, an elevating shaft rigid with the said driven gear, and means connecting the elevating shaft and the drive unit to pivot the unit and the sickle bar.

2,496,609
COMBINATION PRESSER AND SEALER
Martin Van Antwerpen, Milwaukee, Wis.
Application July 19, 1944, Serial No. 545,723
8 Claims. (Cl. 226—56)



1. In a machine for simultaneously compressing packages and sealing the open flaps thereof, a presser table, a presser board, means hingedly mounting the presser board at its rear and above the table for movement toward and away from the table, means normally holding the presser board away from the table whereby a package can be placed between the table and the board, and sealing dies carried by the forward ends of the table and presser board for engaging on opposite sides of the flaps of the package when the board is in its lowered compressing position, and means for swinging said board toward the table, whereby the package will be compressed from the rear toward the open flaps and means for resiliently mounting one of said dies.

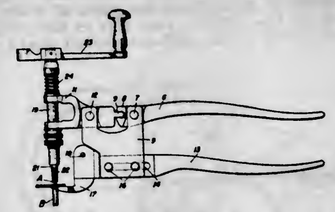
2,496,610
MODULATION SYSTEM
Heriberto A. Vila, New York, N. Y.
Application May 19, 1948, Serial No. 27,902
11 Claims. (Cl. 332—56)



1. In combination with a source of a stable carrier oscillation, a source of signaling currents, a balanced modulator and an antenna system sharply tuned to said carrier: a resonant circuit having a center-tapped coil tuned to the frequency of said carrier oscillation, means for feeding said carrier oscillation to said resonant circuit, a tuning condenser shunted across a first half-section of said coil, another tuning condenser shunted across the other half-section of said coil, a first reactance thermionic tube coupled to the first half-section of said coil to affect the operating inductance of this first half-section, a second reactance thermionic tube coupled to said other half-section of said coil to affect the operating inductance of this other half-section, means for feeding said signaling currents to both of said reactance tubes in phase opposition to one another to combinedly affect the operating inductance of said coil at a rate determined by the frequency of said signaling currents, means for feeding said stable carrier oscillation and said signaling currents to said balanced modulator to effect a suppression of said carrier and the generation of corresponding sideband frequencies, means for translating oscillatory energy from said resonant circuit to said antenna system, and means for sufficiently feeding to said antenna system said sideband frequencies in such phases as to cancel out similar sideband frequencies pertaining to said oscillatory energy with the exception of the frequency of said carrier.

2,496,611
CLOCKMAKER'S TOOL
Robert E. Warkentin, San Francisco, Calif., assignor of one-fourth to Joseph A. Sowers, San Fernando, Calif.
Application April 28, 1948, Serial No. 23,777
2 Claims. (Cl. 78—1)

2. In a tool, a block, a handle slidably mounted on said block, an anvil carried by said handle, said anvil having a bifurcated end extending parallel to the handle and offset therefrom, a second handle pivoted to said block, a head pivoted to said block, said head having a tongue connection with said second handle, whereby pivotal action of said pivoted handle will move said head toward said anvil, a tool holder rotatably and resiliently carried by said head, the slidable movement of the first handle being at



right angles to the longitudinal movement of the tool.

2,496,612
SUSPENSION DEVICE
Glenn C. Wilhide, Towson, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application March 22, 1946, Serial No. 656,260
9 Claims. (Cl. 172—36)

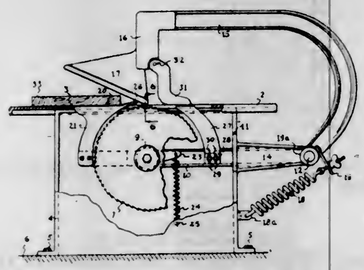


1. A tool support comprising, in combination, an electric power driven hand tool, an electric power cord leading into said tool, a strap member attached at one end to said tool adjacent the cord outlet, a clamp on the other end of said strap member said clamp having means therein to tighten the grip of the clamp upon the cord, to securely clamp the same to said cord at a distance on the cord greater than the length of the strap member whereby the tool may be suspended upon the cord and strap member, the clamp imparting the whole weight of the tool to the cord at a distance substantially removed on the cord from the tool.

2,496,613
GUARD FOR ROTARY DISKS
William H. Woodward, Detroit, Mich.
Application May 30, 1944, Serial No. 537,991
7 Claims. (Cl. 143—159)

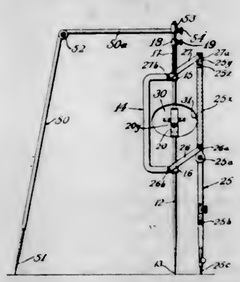
7. In a rotary cutting disk machine, the combination with a rotary cutting disk, a support for work advancing to said disk, a guard positioned to underlie work advancing to the disk, means pivoting said guard substantially at the disk axis for up and down movement, means yieldably urging said guard upwardly whereby it may be

pressed upwardly against work being fed to the disk, and a second guard for the disk disposed substantially in its entirety above said support and having a position in the path of work advancing on the support and also in the path of upward travel of the first-mentioned guard and



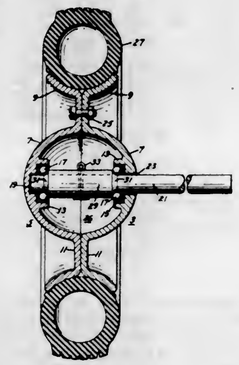
effective in such position to limit upward actuation of the first mentioned guard, said second guard being upwardly bodily movable by advancing work to clear the first mentioned guard, whereby the first mentioned guard may rise behind advancing work.

2,496,614
ELLIPSOGRAPH
Arni Arnason, Park Ridge, Ill.
Application January 31, 1945, Serial No. 575,489
4 Claims. (Cl. 33—27)



2. A drawing instrument comprising a relatively stationary leg, a yoke-shaped member having end portions of opposite arms of the yoke slidably engaging said leg so as to shift along the axis of said leg, spring means acting between an upper stop member on said leg and the adjacent yoke arm to urge the yoke toward the lower end of said leg, a scribing leg movable relative to said stationary leg, and parallel links pivotally joining points along the axis of said movable leg with points adjacent the ends of said yoke arms whereby to maintain said movable leg in parallelism with said stationary leg when the lower ends of said legs are on a substantially plane surface for drawing, a template on said stationary leg between the ends of said yoke arms, and a template roller on said movable leg engaged by the template and disposed on the latter leg in the region between the pivotal connections thereto of said links, and a third stabilizing leg carried by said stationary leg.

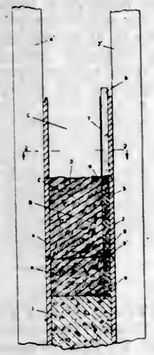
2,496,615
WHEEL AND WHEEL MOUNTING
Allyn L. Ayers, Oakland, Calif., assignor to Ralph B. Ensminger and Enid L. Ensminger, as joint tenants
Application August 26, 1946, Serial No. 693,108
3 Claims. (Cl. 301—111)



2. A wheel and wheel mounting comprising a wheel having a central housing, said central housing including therein a pair of opposed axially disposed bearing recesses each such recess being defined by a circular flange of less diameter than said central housing and directed inwardly from a wall of said central housing, and an axial opening into said housing of less diameter than said bearing recesses for the passage of an axle into said housing; a ball bearing assembly in each of said bearing recesses; an axle having one end extending into said housing and cylindrically fitted in said ball bearing assemblies to preclude lateral displacement of said axle in said ball bearing assemblies; and means within said housing holding said axle against withdrawal from said ball bearing assemblies, said means including a spacer sleeve about said axle between said ball bearing assemblies and a pin in said sleeve and said axle.

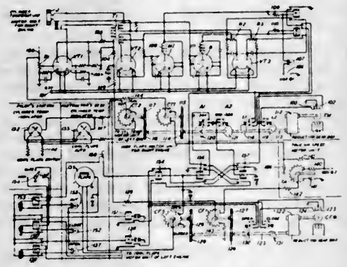
2,496,616
METHOD OF APPLYING AND ANCHORING A CONCRETE SHEATHING TO A RAMMED EARTHWALL
James R. Barton, Portland, Oreg.
Application March 24, 1947, Serial No. 736,736
3 Claims. (Cl. 18—59)

1. The method of applying an anchored concrete sheathing to a rammed earth wall which consists in erecting inside and outside wall forms, concurrently ramming suitable earth mixtures and concrete aggregates between the said forms in courses with a relatively thin separator strip in place to define the relative thickness of the rammed earth and the concrete sheathing, pulling the said separator strip after ramming both earth matter and concrete to about the same horizontal plane, placing anchors of approved form to bridge the gap left by pulling the separator strip, replacing and supporting the said separator strip above the said anchors and repeating



the said steps in a superposed course until the wall has reached a desired height.

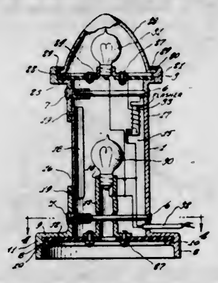
2,496,617
ENGINE TEMPERATURE AND COWL FLAP CONTROL FOR AIRCRAFT GROUND TRAINERS
Frederick M. Burelbach, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1946, Serial No. 719,091
8 Claims. (Cl. 35—13)



1. In an aircraft trainer wherein the operation of an airplane engine is simulated, a motor, means operable by said motor to positions representative of the positions of engine cowl flaps, means for simulating the change in engine cylinder temperature incident to the engine operation, means operated when the simulated temperature falls below a predetermined value to cause said motor to operate said first means to a position representative of a fully closed position of the cowl flaps and means operated by said first means to control said engine cylinder temperature simulating means in a manner representative of an increase in temperature incident to the closing of the engine cowl flaps.

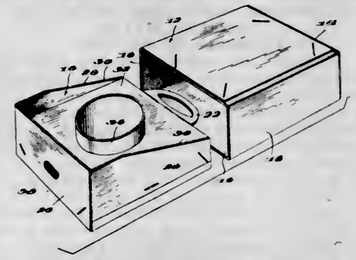
2,496,618
COMBINATION WARNING SIGNAL AND TROUBLE LAMP
William Miles Cox, Woodside, and Duncan W. F. Cox, Hillside Heights, N. Y.
Application May 8, 1947, Serial No. 746,640
5 Claims. (Cl. 177—329)

1. A combination warning signal and trouble lamp, comprising a hollow casing having a central portion and flanges at the upper and lower ends of said central portion, a window situated within said central portion, a transparent dome situated in the upper one of said flanges, a lamp situated within said hollow casing, a lamp situ-



ated within said transparent dome means for causing the lamp located within said transparent dome to flash intermittently, said hollow casing being divided in halves and means for holding said hollow casing halves together.

2,496,619
MERCHANDISE CASE
Edward Paul Cunningham, Jr., New Rochelle, N. Y.
Application August 9, 1945, Serial No. 609,800
3 Claims. (Cl. 206—8)

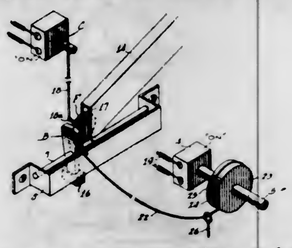


3. A portable hat box comprising an outer casing having an end wall therein, a slot in said end wall, a hat-supporting tray telescopically arranged within said casing, a hat-supporting well carried by said tray, said tray having an outer end wall therein substantially in contact with the surrounding walls within said casing, an inner end wall in said tray, a handle formed in said inner end wall adapted to extend through said slot, said handle being adapted to be folded into the plane of said inner end wall when not in use, a pair of tray side walls having upper edges that slope downwardly toward the inner end of said tray permitting tilting of said tray while partially engaged in said casing, and a finger hold in the outer end wall of said tray to facilitate removal of said tray from said casing.

2,496,620
COMBINATION RADIO RECEIVER AND COIN SAVINGS BANK
Arthur V. Curry, San Francisco, Calif.
Application September 2, 1947, Serial No. 771,823
5 Claims. (Cl. 194—9)

1. The combination with a radio having a switch which turns on the radio by the rotation

of a shaft in a predetermined direction of a coin-controlled auxiliary switch in series with the first switch and having an arm adapted to be swung into switch-closing position by a coin, coin conveying means for guiding a coin against the arm, a stop for holding the coin in a position to



maintain the arm in closed position, and means interconnecting the stop and the shaft and actuated when the shaft is rotated for turning off the first switch, the actuation of said means moving the stop to free the coin, whereby the arm will open the second switch when the arm is freed by the coin.

2,496,621

CATALYTIC HYDRATION OF OLEFINS

Roland F. Deery, Los Angeles, Calif.; now by judicial change of name Roland Frank Deering, assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application April 30, 1945, Serial No. 591,238

4 Claims. (Cl. 260—641)

1. A process for hydrating olefins which comprises contacting said olefins in the presence of about 15% to 75% of water vapor with a hydration catalyst comprising a silica support upon which is distended a catalytic agent of the group consisting of at least one of the oxygen containing acids of phosphorus and mixtures of the oxygen containing acids and metal salts of phosphorus in which mixtures the acids are in excess, said catalyst having been prepared by precalcining the silica support to a temperature between about 800° C. and about 1400° C. for a time sufficient to impart physical strength thereto independent of other constitutents of the catalyst, impregnating said support with said catalytic agent, and drying the impregnated support at a temperature not greater than about 240° C.

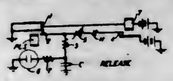
2,496,622

TESTING CIRCUITS FOR DETERMINING RELAY TIME INTERVALS

Arthur S. Dubuar, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 21, 1946, Serial No. 649,289

4 Claims. (Cl. 175—381)



1. In a testing arrangement for determining the response delay time interval of a relay, a relay to be tested, an energizing circuit for said relay, a condenser, charge and discharge circuits for said condenser, a pair of simultaneously operable switches, one of said switches being in said energizing circuit for controlling said relay and the other one of said switches being in circuit with said condenser for simultaneously initiating a charge on said condenser through said charge circuit, means for successively opening and closing said switches so as to provide a series of delay time intervals, contacts included in and controlled by said relay and in circuit with said condenser to discontinue the charging of said condenser at the end of each delay time interval, said other one of said switches being arranged to automatically discharge said condenser between each of the delay time intervals, and means for measuring the charge accumulated on said condenser in terms of the charging time comprising an adjustable resistance in series with said condenser in said charge circuit and a glow discharge tube in shunt to said condenser.

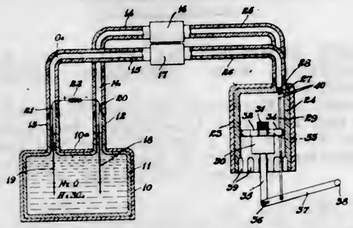
2,496,623

TWO-STROKE CYCLE INTERNAL-COMBUSTION ENGINE

John E. Fragale, Wooster, Ohio

Application April 18, 1947, Serial No. 742,220

4 Claims. (Cl. 123—65)



1. An engine adapted to be operated by oxygen and hydrogen, said engine comprising a cylinder closed at its upper end and open at its lower end, the lower end of the interior of the cylinder being longitudinally grooved, a glass surface on the interior of the cylinder, a spaced pair of inlet ports in the upper end of the cylinder, valves in said ports, a glass piston within the cylinder, and means including push rods slidably located through the piston for opening the valves on each upstroke of the piston.

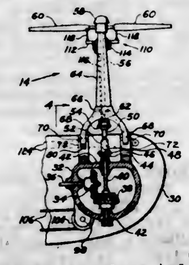
2,496,624

CONSTANT SPEED DRIVE FOR HELICOPTER ROTORS

Carl Paul Heintze, Amityville, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application August 27, 1945, Serial No. 612,899

1 Claim. (Cl. 170—135.22)



In a helicopter, an elongated body, a main sustaining rotor rotatable about a generally upright axis at the fore part of said body, a tail cone pivoted about a fore and aft axis in said body having an auxiliary sustaining rotor mounted thereon, said auxiliary rotor when tilted by movement of said cone about said axis exerting a lateral thrust on said body, an upright power driven shaft in said body beneath said cone, a rotor shaft carried by said cone, and means for providing a constant speed relationship between said power driven shaft and said auxiliary rotor during tilting of said cone including a jack shaft located between said power driven shaft and said rotor shaft having telescoping extensible elements, a universal joint connecting one element of said jack shaft with said power driven shaft, and a second universal joint connecting the other element of said jack shaft with said rotor shaft, said universal joints being located equal distances from said fore and aft axis about which said cone pivots.

2,496,625

APPARATUS FOR ADVANCING AND WORKING PLASTIC MATERIALS

George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 13, 1946, Serial No. 709,478

4 Claims. (Cl. 18—13)



1. An apparatus for advancing and working plastic material, which comprises an extrusion cylinder having a bore therein, a portion of said bore being provided with a plurality of helical flutes in the periphery thereof and an extrusion screw mounted in the extrusion bore in the extrusion cylinder, said extrusion screw having a threaded portion with a short pitch for forcing plastic material through the extrusion bore, said extrusion screw also being provided with a blade portion extending helically therealong substantially coextensive with the flutes in the periphery of the bore and having a long pitch for kneading the material, said blade portion extending helically in one direction and said flutes extending helically in the direction opposite to that in which the blade portions extend.

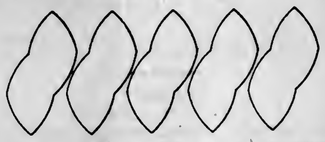
2,496,626

SPHERICAL TANK SHELL

James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania

Application July 13, 1946, Serial No. 683,362

13 Claims. (Cl. 220—1)



1. A hollow spherical tank shell comprising five similar spherical shell units connected together in a fluid-tight manner and each being divisible into four equilateral spherical triangular sections of the same size, arranged side by side in alternately reversed abutting relation and which take in the entire area of such unit.

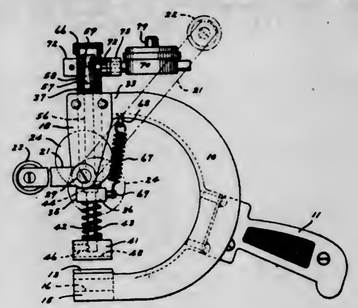
2,496,627

INSTRUMENT FOR TESTING RUPTURE STRENGTH OF SHEET MATERIAL

Hal C. Johnston, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application June 5, 1946, Serial No. 674,433

5 Claims. (Cl. 73—102)



1. A testing instrument comprising in combination, first clamping means, a movable device, second clamping means on said movable device, a plunger slidably connected with said device and being movable relative thereto, spring means interposed between said plunger and a portion of said device, rotatable cam means for moving said device and said plunger to cause said second clamping means to move into cooperation with said first clamping means for clamping a material to be tested therebetween and to cause said plunger to engage the material and apply pressure thereto through said spring means, a lever connected to and operable for rotating said cam means, and means for registering the compression of said spring means when said plunger ruptures the material.

2,496,628

LAY CONSTRUCTION FOR LOOMS

Michael F. Kieley, Derby, and Arthur R. Abbott, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y., a corporation of New York

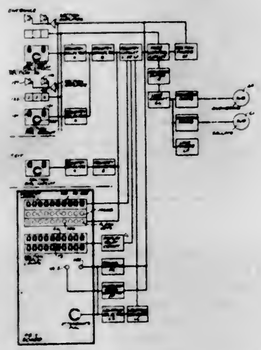
Application June 2, 1948, Serial No. 30,684

10 Claims. (Cl. 139—188)



6. A lay construction for looms including a pair of lay swords, a tubular metallic lay secured to the swords and projecting laterally outwardly therefrom, and metallic supports for all the loom shuttle boxes fixed to the lay at points laterally outside the swords.

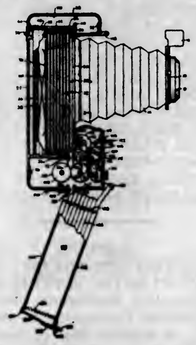
2,496,629
COMBINED TELEPHONE AND PAGING SYSTEM
Frederick R. Lamberty, Rockville Centre, N. Y., and Franklin D. Nitterauer, Minneapolis, Minn.; said Lamberty assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Nitterauer assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 16, 1947, Serial No. 791,970
14 Claims. (Cl. 177—353)



2. The combination in a combined telephone and paging system for use in a multisection area, each section of which is identified by a numerical designation, of a telephone exchange in the area, a switchboard thereat having lamp signals operable in combinations indicative of the numerical designations of the area sections, a dial at said switchboard, a dial station in each section, and means responsive to the dialing of a number at a dial station and to the subsequent operation of the switchboard dial in accordance with the same number for operating the combination lamp signals indicative of the numerical designation of the section in which the dialing operation was performed.

10. In a combined telephone and paging system in which a multiplicity of registrants may be selectively paged in sections of a multisection area and in which each registrant is identified by a multidigit registry number and a call number, a dial station in each section of said multisection area, a call announcer comprising tape-borne pronouncements of the digits of which a multi-digit number may be composed, a paging channel individual to each section of said area, terminating at its respective section in a loudspeaker, a calling station, and means responsive jointly to the dialing of a registrant's multidigit registry number at a particular dial station and to the subsequent dialing of the registrant's call number at said calling station for automatically seizing the paging channel corresponding to the section in which the said particular dial station is located and for causing the tape-borne pronouncements of said call announcer corresponding to the digits of the registrant's registry number to be transmitted over the seized paging channel and to be broadcast from the loudspeaker terminating it.

2,496,630
APPARATUS FOR EXPOSING AND PROCESSING PHOTOGRAPHIC FILM
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application May 31, 1946, Serial No. 673,404
13 Claims. (Cl. 95—13)

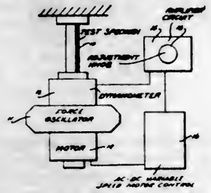


1. In camera apparatus adapted to photographically expose and process a plurality of multilayer film units supplied from a magazine, each of said units comprising a photosensitive layer and a releasably contained fluid interposed between facing areas of a pair of layers thereof, the combination of elements comprising pinion means, a handcrank for actuating rotation of said pinion means, cam means coaxially mounted with said rotatable pinion means and rigidly connected thereto, arm means pivotally mounted adjacent said cam means and adapted to pivotal rotation during engagement with the maximum radius of said cam, gear means mounted adjacent an extremity of said arm means and adapted to engage said pinion during nonengagement of said cam and arm means, friction roller means coaxially mounted with said last-named gear means and rigidly connected thereto, said roller means being spring-tensioned for frictionally engaging marginal portions of a film unit positioned adjacent thereto for propelling said film unit during the aforesaid nonengagement of said cam and arm means and adapted to be separated from engagement with said marginal film portions during engagement of said cam and arm means, a pin extending from said pivotally mounted arm means, lever means spring-tensioned for contacting said pin and having a slot therein for receiving said pin during pivotal rotation of said arm means whereby said arm and lever may be locked together after a predetermined rotation of said arm means and the aforesaid broken engagement of elements may be maintained, and lever release means comprising a depressible handle portion thereof whereby said slot may be withdrawn from said pin and the engagement of separated elements may be re-established.

2,496,631
WOOL TREATMENT
Henry F. Leupold, Nutley, and Maurice J. Kelley, Bloomfield, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1946, Serial No. 682,162
15 Claims. (Cl. 252—8.8)

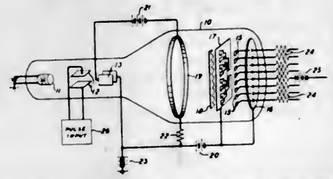
1. A self-fulling and self-scouring wool treating composition which comprises sufficient amounts of a nonresinifying oil and a liquid monoacylated organic fatty ester to soften and lubricate wool fibers and a quantity sufficient to form a stable emulsion of the oil and the ester in water of a condensation product formed by heating in the ratio of one equivalent weight of a fatty acylating substance having an acyl chain of at least 8 carbon atoms with from 1.5 to 4.0 moles of an alkylolamine selected from the group consisting of diethanolamine, ethyl monoethanolamine, diisopropanolamine and 2-amino 2-methyl propanol-1 at a temperature and for a time sufficient to form a fatty amide.

2,496,632
VIBRATION TESTING APPARATUS
Benjamin J. Lazan, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application December 14, 1944, Serial No. 568,110
5 Claims. (Cl. 73—67)



1. Dynamic testing apparatus comprising, in combination, an oscillator for applying a vibration force to a member under test so as to induce an amplified alternating force in the test member, an electric motor for driving the oscillator at a variable frequency, a dynamometer for furnishing a voltage output as a function of the induced alternating force developed in the test member, and electrical sensitive means controlled by said output voltage for varying the speed of the said electric motor automatically in response to variations in the dynamometer voltage output in either direction from a predetermined value thereby to establish an oscillator speed as a direct function of a predetermined alternating force developed in such test member.

2,496,633
MULTITARGET CATHODE-RAY DEVICE
Frederick B. Llewellyn, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1947, Serial No. 793,733
16 Claims. (Cl. 250—164)

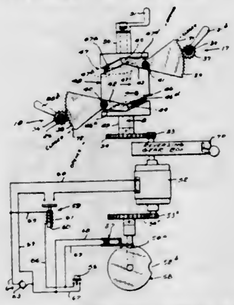


16. An electron discharge device comprising a plate electrode having therein apertures defining a plurality of similar tortuous paths extending from a common region to a plurality of spaced regions, one for each path, each of said paths being composed of sections, one group of alternate sections in each path being parallel and the other alternate sections in each path being parallel and extending at an angle to said one group of sections, each of said group of alternate sections being common to two of said paths and corresponding sections of said paths being parallel, means for projecting an electron beam toward one face of said plate electrode, and means for selectively directing said beam along any one of said paths in accordance with the polarities of signal pulses in a group of pulses, said selective directing means including a first deflection means for deflecting said beam parallel to said other alternate sections, means for impressing groups of signal pulses upon said first deflection means, a second deflection means for deflecting said beam parallel to said group of alternate sections and a feedback coupling between said plate electrode and said second deflection means for applying to said second deflection means a voltage of amplitude determined by the beam current intercepted by said plate electrode.

2,496,634
FORTIFYING FEEDS
Daniel Melnick, Kew Gardens Hills, N. Y., assignor, by mesne assignments, to Astrol Products, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 5, 1946, Serial No. 701,404
3 Claims. (Cl. 99—2)

1. A composition for use as a vitamin supplement to furnish the fat-soluble factors in fortifying feeds which comprises in combination: a finely divided base of defatted, enzyme-inactivated soy having distributed therethrough discrete particles of a high melting physiologically available, edible fat embodying a fat-soluble vitamin, the said fat having a melting point ranging from about 52° C. to about 58° C.

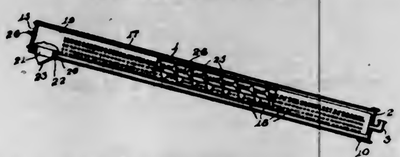
2,496,635
VALVE CONSTRUCTION AND CONTROL
Arthur L. Ocheltree, New York, N. Y.
Application February 9, 1944, Serial No. 521,612
12 Claims. (Cl. 137—144)



5. A valve construction comprising a casing, at least two valve means each comprising a port and valve, and having a straight walled partition in said casing into which said two valve ports are formed, said partition disposed within said casing for controlling the flow of a fluid and disposed transverse to such flow, with means movably mounting said two valves relative to their ports on opposite sides of said partition and in opposite directions relative to the direction of flow of fluid to be controlled, whereby the pressure of fluid can aid opening movement of one valve and oppose opening movement of the other, and means

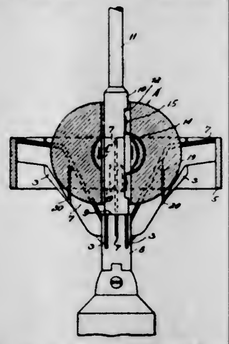
causing operation of said valves in a sequence of steps the complete cycle of which comprises opening said one valve, then opening said other valve, closing said one valve and then closing said other valve.

2,496,636
FRUIT STRAINER
Joseph B. Orrell, Drexel Hill, Pa., assignor to Abbotts Dairies, Incorporated, Philadelphia, Pa.
Application January 5, 1946, Serial No. 639,248
6 Claims. (Cl. 210—194)



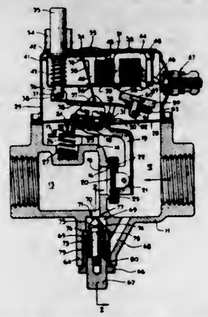
6. A strainer, comprising a tubular casing, a closure plate for one end thereof provided with inwardly extending studs having angularly related surfaces, said studs being circumferentially spaced in a circular pattern and as a group being eccentrically positioned with respect to said plate and said casing, a stationary strainer element positioned and supported by said studs closer to the upper than to the lower side of said casing, movable means to propel solids through said strainer element, an axial inlet at one end to admit combined solids and liquids into said element, a solids discharge outlet extending radially from within said element through the intervening space and through a side of said casing, and a liquid outlet from said casing.

2,496,637
APPLE CELLING AND SLICING MACHINE
John W. Pease, deceased, late of Rochester, N. Y., by Winnifred N. Pease, executrix, Rochester, N. Y.
Application January 19, 1948, Serial No. 3,124
2 Claims. (Cl. 146—40)



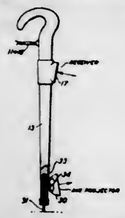
1. In an apple slicing machine, the combination with a vertically disposed rotary spindle, means for rotating the spindle, and means for thrusting a cored apple down the spindle, of a slicing spider concentric with said spindle and comprising a plurality of thin blades which are disposed radially of the spindle, and auxiliary blades mounted on the radial blades to extend axially of the spindle and to project laterally from opposite sides of the radial blades less than the distances between adjacent radial blades to hold an apple against expanding disintegration of the partially-severed apple when the apple is thrust down the spindle and through the spider.

2,496,638
FLUID CONTROL VALVE
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application December 22, 1945, Serial No. 636,739
7 Claims. (Cl. 137—139)



6. In a manual-reset valve: a valve structure having a passage therethrough provided with a valve seat; a closure; a closure operating member arranged to move said closure in opposite directions into and out-of engagement with said seat; a lever pivotally connected to said member; manually operable means for rocking said lever in one direction on the member to move said one end of the lever while, through the lever, applying to the member a force in a direction to maintain said closure seated; means for temporarily holding said one end of the lever in its moved position; and means for rocking the lever in the opposite direction about said one end while the same is held, to effect movement of the closure in a direction away from its seat.

2,496,639
AID FOR THE BLIND
John W. Richardt, Jr., Terre Haute, Ind., and Oscar A. Shann, Short Hills, N. J, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1946, Serial No. 665,026
4 Claims. (Cl. 177—352)



2. An object locating device comprising an elongated member adapted at one end thereof to be held in a user's hand and at its distant end adapted to be placed in engagement with a nonyielding surface, a mechanical generator of supersonic sound wave energy mounted on said member at its distant end, a retractible plunger for actuating said generator when said plunger is retracted by engaging said distant end with said surface, a directional transmitter connected to said generator for propagating the energy produced by said generator, receiving means mounted on said elongated member intermediate said generator and said hand end for receiving reflected portions of said propagated energy and translating it into electric wave energy, and means for converting said electric energy into a signal that is audible to the user of the device.

2,496,640
FAT LIQUORING AND ALUM TANNING
Bernhardt Schiller, Hillside, and Ralph M. Beach, Florham Park, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 18, 1944, Serial No. 536,194
11 Claims. (Cl. 8—94.29)

1. A novel process of tanning which comprises subjecting a skin to the action of an aqueous alum salt tanning solution, then subjecting the skin to the action of an acid-stable fat liquoring composition in chemical emulsion in said tanning agent solution, said fat liquoring composition comprising a leather treating oil and a cationic surface active base compound selected from the group consisting of derivatives alkylated with a dialkyl sulfate, containing a total of from 2 to 4 carbon atoms, of amino-amides having the general formula:

$$R'-\overset{O}{\overset{\|}{C}}-(NH-CH_2-CH_2)_n-NH-R^1$$

wherein R′ denotes an aliphatic chain containing at least 7 carbon atoms, R^2 represents a 1 to 3 carbon alkylol radical and n is 1, 2 or 3, and finally raising the pH value of the solution to effect precipitation of alum.

2,496,641
FAT LIQUORING AND ALUM TANNING
Bernhardt Schiller, Hillside, and Ralph M. Beach, Florham Park, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application November 12, 1946, Serial No. 709,082
11 Claims. (Cl. 8—94.29)

1. A novel process of tanning which comprises subjecting a skin to the action of an aqueous alum salt tanning solution, then subjecting the skin to the action of an acid-stable fat-liquoring composition in chemical emulsion in said tanning agent solution, said fat-liquoring composition comprising a leather treating oil and a cationic surface active base compound selected from the group consisting of derivatives alkylated with a dialkyl sulfate, containing a total of from 2 to 4 carbon atoms, of amino-amides having the general formula:

$$R'-\overset{O}{\overset{\|}{C}}-(NH-CH_2-CH_2)_n-NH_2$$

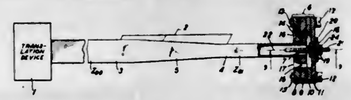
wherein R′ denotes an aliphatic chain containing at least 7 carbon atoms and n is 2, 3 or 4, and finally raising the pH value of the solution to effect precipitation of alum.

2,496,642
SUBSCRIBER TELEPHONE SET DOUBLE CONNECTION SIGNAL
Oscar A. Shann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 20, 1945, Serial No. 573,735
9 Claims. (Cl. 179—81)



1. In a telephone system, an individual subscriber telephone set at each of two stations connected through the same line to a central telephone switching station, a lamp and an electromagnetic switching control for said lamp, both at a particular one of said stations, for illuminating the station apparatus at said one station, said control automatically operative in response to the seizure of both stations as an indication that both of said stations have been seized, and a manual switching control for said lamp, at said one station, operative after said one station only is seized to light said lamp at said one station, to facilitate the operation of said one station.

2,496,643
IMPEDANCE MATCHING SYSTEM
Phillip H. Smith, Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 14, 1944, Serial No. 558,696
5 Claims. (Cl. 250—33.63)

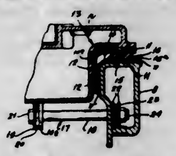


5. In combination, a source, a first wave guide section connected thereto and having a relatively large characteristic impedance, a second wave guide section connected to said first section and having a relatively small characteristic impedance, a pair of parallel wave guides connected to said second section and having a complex input impedance, means projecting into the junction of said second section and said parallel guides for changing said complex input impedance into a different complex impedance, said second section comprising means for changing the length of said second section, whereby said different complex impedance may be changed to a resistive input impedance equal to the characteristic impedance of said first section.

2,496,644
RAILWAY TRUCK WITH LATERAL MOTION BOLSTER
James C. Travilla, Jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application March 6, 1948, Serial No. 13,428
8 Claims. (Cl. 105—185)

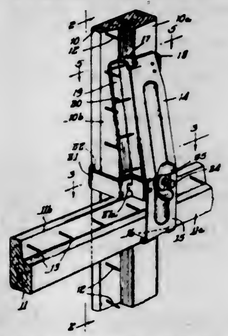
1. In a railway truck, a frame including spaced transoms, a bolster supported by and extending between said transoms, said bolster having horizontal and vertical faces, flat yieldable pads posi-

tioned between and secured to horizontal opposing faces of said bolster and transoms and distorting in shear to provide for relative movement of said bolster and frame transversely of the truck,



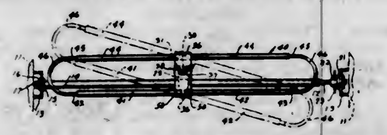
the vertical face of one side of said bolster engaging the opposing vertical face of the associated transom to snub relative movement of said bolster and frame transversely of the truck.

2,496,645
LEVELING BRIDGE
Kenneth J. Unwin, Kenosha, Wis., assignor to Quaker Foundation, Inc., Kenosha, Wis., a corporation of Wisconsin
Application June 28, 1946, Serial No. 680,185
9 Claims. (Cl. 45—24)



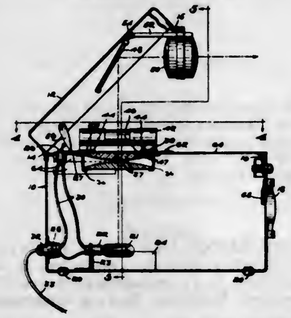
1. In a stretching frame having crossed and relatively overlying post and rail members, a leveling bridge disposed at the intersection between said members, a clamping element adapted to engage one of said members, a bracket extending transversely of and carried by said leveling bridge and having spaced tongue portions adapted to engage correspondingly spaced apertures in said clamping element to prevent tilting thereof with respect to said bridge but permitting limited relative inward and outward sliding movement therebetween, and means engaging said clamping element and said bridge for effecting clamping action thereof against said post and rail members.

2,496,646
TELEVISION ANTENNA
Jacob M. Winer, New York, N. Y.
Application July 15, 1948, Serial No. 38,819
1 Claim. (Cl. 250—33)



A television and FM antenna, comprising a horizontal support for extending across a window or other frame, clamp means for mounting said support in position across said frame, a clamp connector axially turnably mounted on said support in order to assume various turned positions on said support, a post mounted on and projecting from said connector in a plane at right angles to the axis of said support, a clamp knuckle on the top of said post bendable in a plane substantially common with the axis of said support, an insulation member turnably mounted on said clamp knuckle, means for clamping said insulation member in various turned positions on said clamp knuckle, a di-pole mounted on and projecting from said insulation member and having telescopic extendable and retractable end sections by which said di-pole may be extended and retracted, a reflector or deflector directional tube mounted on and projecting from said insulation member parallel to said di-pole and having telescopic extendable and retractable end sections, and U-shaped end sections releasably connected with the outer ends of the telescopic sections of said di-pole and directional tube in order to form a folded di-pole, and said U-shaped end sections being releasable for disconnecting said telescopic sections in order that said di-pole and directional tube act independently.

2,496,647
PORTABLE IMAGE PROJECTOR
David O. Woodbury, Bronxville, N. Y.
Application April 7, 1948, Serial No. 19,492
7 Claims. (Cl. 88—24)

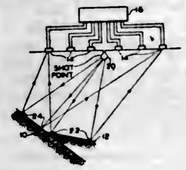


1. Apparatus for projecting an image onto a screen, comprising a box, a transparent object supporting table at the top of the box, an electric lamp in the box beneath the table, a light transmitting medium between the lamp and table, a cover for enclosing the top of the box, means for supporting the cover on the box in inclined open position above the table, an image projecting lens and a mirror carried by the cover at its inner face above the table in position to receive light rays therefrom and project them to a screen, and means for securing the cover in closed position on the box.

2,496,648
SEISMIC EXPLORATION SYSTEM FOR DETERMINATION OF STRATA DIPS
Alexander Wolf, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application June 24, 1943, Serial No. 492,025
5 Claims. (Cl. 181—0.5)

1. A method of seismic prospecting wherein it is desired to record seismic waves propagated to

the surface at an angle to the vertical and to eliminate waves propagated to the surface at a different angle, which comprises positioning a pair of seismic wave detectors in separated relation at the earth's surface, generating seismic waves at a point on the earth's surface, recording



the outputs of said detectors in the form of parallel opaque tracks on a moving film, the width of each track indicating the output of a detector at any instant, subsequently converting said tracks to electrical currents having amplitudes corresponding to a characteristic of said tracks, and measuring the difference in said currents.

2,496,649
TREATMENT OF OXIDE COATINGS ON ALUMINUM
Walter G. Zelley, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 6, 1947, Serial No. 746,307
18 Claims. (Cl. 148—6.1)

7. The method of rendering an oxide coating chemically produced on an aluminum article in an alkaline solution more adsorptive to dyes which comprises immersing said article in a solution consisting essentially of water and about 1 per cent by weight of an ammonium compound from the group ammonium chloride, ammonium nitrate, ammonium formate, ammonium acetate and ammonium sulfamate as the coating modifying component and maintained at a temperature above about 170° F. and a pH of about 5 to 7.5, for at least about 5 to 10 minutes.

2,496,650
ESTERS OF HYDROXYALKYL AROMATIC SULFONAMIDES
David Aelony, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application January 26, 1946, Serial No. 643,748
4 Claims. (Cl. 260—402)

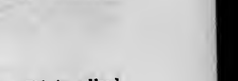
1. An ester of a hydroxyalkyl aromatic sulfonamide having the following structural formula:

$$RSO_2N(R^2OOCR^3)_2$$

in which R is an aryl radical, R^2 is a short-chain alkylene group, and the group R^3CO is the acyl group of a higher fatty acid.

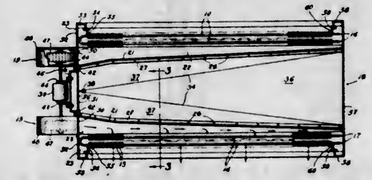
2,496,651
ESTERS OF HYDROXYALKYL AROMATIC SULFONAMIDES
David Aelony, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application May 15, 1947, Serial No. 748,335
7 Claims. (Cl. 260—401)

1. An ester of a hydoxyalkyl aromatic sulfonamide having the following structural formula:



in which R is an aromatic nucleus, R^1 is alkyl, R^2 is a short chain alkylene group, and the group R^3CO is the acyl group of a higher fatty acid.

2,496,652
REFRIGERATION UNIT
John E. Ahrens, Cincinnati, Ohio
Application March 3, 1948, Serial No. 12,837
16 Claims. (Cl. 62—103)

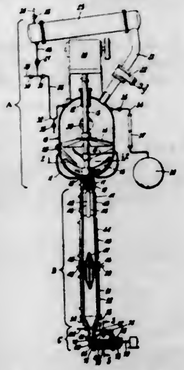


1. A refrigerating unit which comprises, a plurality of cooling tubes mounted in a bank parallel to a roof of a refrigerated compartment, a pan beneath said cooling tubes, a wall extending along a side of said bank of tubes, said wall in conjunction with the pan and the roof defining a channel along a side of said bank, the pan sloping away from the tubes to form a floor for the channel, the lower edge of said wall being spaced above the pan, a blower attached to said channel for forcing air through said channel and about said tubes, and means for removing water from said pan on the side of said wall away from said tubes, whereby the air is cooled and moisture condensed during cooling of the air flows between said pan and said wall to be removed.

2,496,653
CONTINUOUS BULK POLYMERIZATION OF STYRENE
Ivey Allen, Jr., and Walter R. Marshall, Bloomfield, and Gordon E. Wightman, Upper Montclair, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 12, 1943, Serial No. 505,908
7 Claims. (Cl. 260—93.5)

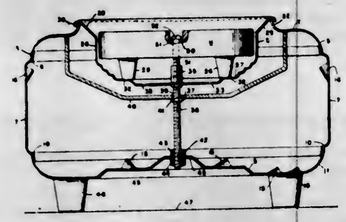
1. A continuous process for polymerizing styrene monomer in a closed system which comprises initiating polymerization by heating the styrene monomer to about 100° C. in a first enclosed heating zone, continuously agitating and controlling the temperature of the polymerizing monomer in said zone between about 100° and 125° C. to form a mixture of styrene polymers and unpolymerized monomer, continuously removing a portion of the mixture from said first heating zone and transferring said portion to a second enclosed heating zone while replenishing the first heating zone with more styrene monomer, continuously moving said portion through the second heating zone and polymerizing more of the monomer in the mixture by heating to higher temperatures of up to about 175° C., continuously removing from the second heating zone a polymerized mass of upwards of about 85 percent solids, increasing the temperature of the mass removed from the second zone to about 200° to 225° C., and then removing volatile matter from the mass by milling it in contact with a

moving stream of gas at less than atmospheric pressure to carry off the released volatile matter until the mass has a methanol-soluble content



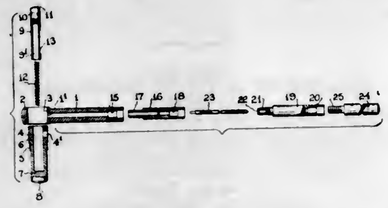
not more than 1.5 percent and a flow time of 300 to 500 seconds to travel a distance of 1.5 inches under 1000 p. s. i. and at 135° C. in a flow tester of ⅛ inch bore.

2,496,654
ELECTRIC STOVE
James W. Aisdorf, Wilmette, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application May 25, 1948, Serial No. 29,060
1 Claim. (Cl. 219—37)



An electric stove including a sheet metal housing comprising a top plate having an opening and provided thereat with an upwardly extending marginal flange, said top plate having its outer portion extending downwardly, a bottom plate and sides connecting said plates, a cup fitted within the opening of the top plate and depending within the housing and provided at the top with a marginal lip extending over the flange of the top plate and suspending the cup therefrom, a heater block arranged within the cup and provided with legs supported upon the bottom of the cup, a heating element contained within the heater block, a vertical stud bolt secured at its lower end to the bottom plate and extending upwardly through the bottom of the cup, an elongated nut arranged on the upper end of the stud bolt and engaging the bottom of the cup and adjustable to clamp the cup firmly in engagement with the top plate of the housing, a cross bar having a central opening receiving the stud bolt, said cross bar having upturned ends supporting the top plate adjacent the upwardly extending marginal flange thereof and stiffening and reinforcing the top plate and preventing undue flexing thereof when the cup is clamped against the top plate by said elongated nut, an adjustable nut mounted on the stud bolt and arranged beneath and adjustably supporting the cross bar, and an upper bolt piercing the heater block and having a threaded engagement with the upper portion of the elongated nut for clamping the heater block upon the bottom of the cup, said upper bolt being adjustable and removable independently of the stud bolt and the elongated nut, whereby the heating element and the heater block may be removed and replaced while the cup remains firmly clamped in engagement with the top plate of the housing.

2,496,655
INSIDE CALIPER
Albert A. Balk, Cleveland, Ohio
Application January 20, 1947, Serial No. 723,137
1 Claim. (Cl. 33—143)



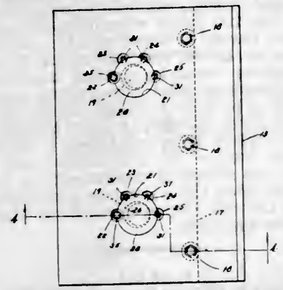
Inside calipers, comprising a tubular body having a ball portion formed with a bore, a bushing secured in the bore and having an end face disposed substantially flush with an end face of the body ball portion, said bushing having a closed extended opposite end portion formed with a contact face, a longitudinally-recessed plunger telescopically fitting the bushing and extended from the end of the bore opposite the extended end of the bushing, the plunger having a closed end formed with a contact face, a compression spring mounted in the recess of the plunger and in the bushing and bearing on the latter at one end and on the inside face of the closed end of the plunger at the other end, the plunger being formed with an exterior side groove, coaxial holes formed in the ball and bushing whose axes intersect the groove, a tubular handle secured to the body, a lock pin loosely disposed within the body and handle, movable longitudinally thereof, aligned with the holes, and adapted to engage the groove with one end to hold the plunger locked against the compression of the spring, a lock spindle mounted on and movable longitudinally of the handle and engaging the lock pin, said bushing being formed with an end portion of comparatively large diameter secured in the bore and slightly extended from the latter, together with an opposite end portion of comparatively small diameter, the slightly extended large portion of the bushing being exteriorly threaded, and an open-ended button of uniform diameter, internally threaded at its open end, engaging the bushing thread, having a bearing surface for the exterior wall of the closed end of the bushing, and formed with a closed end having a contact face, the button abutting the ball portion of the body with its open end, whereby buttons of progressively greater length can be selectively attached to the bushing for measurement of inside diameters over different ranges of measurement.

2,496,656
SELF-OPENING PIN OR CLIP FOR THE HAIR
Harold R. Bein, Sr., Westfield, Mass.
Application October 16, 1948, Serial No. 54,890
2 Claims. (Cl. 132—50)



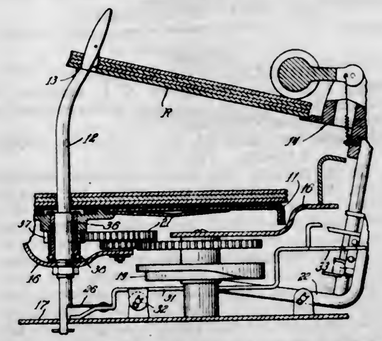
1. A clip for the hair comprising in combination, an elongated strip of resilient metal of relatively greater width than thickness doubled upon itself intermediate its opposite ends to form an inner loop and provide upper and lower members extending forwardly therefrom, said upper and lower members converging forwardly from said loop into contiguous relation providing a contiguous elongated portion, said contiguous portion curving forwardly and upwardly and downwardly and forwardly in the form of a single elongated S curve and the forward outer end of said lower member continuing to a substantially flat extremity, an outer forward end of the upper member terminating inwardly of the end of the lower member in an extremity which is disposed upwardly and forwardly in relation to the extremity of the lower member and providing therewith a V-shaped entrance between said upper and lower members, said extremity of the upper member being concaved longitudinally and transversely providing forward surfaces thereto which curve rearwardly thereof.

2,496,657
ADJUSTMENT MECHANISM FOR SKIVING KNIVES
Herbert W. Carnes, Swampscott, Mass., assignor to Lacene Manufacturing Corporation, Lawrence, Mass., a corporation of New Hampshire
Application February 27, 1948, Serial No. 11,693
7 Claims. (Cl. 69—13)



1. Adjustment mechanism for skiving knives comprising, a skiving member for splitting sheet material adapted to be secured upon a fixed portion of a skiving machine, the securing means of said skiving member comprising a bolt located through said fixed portion of said machine, an eccentric head located on the upper end of said bolt, a counterbored recess located in the upper face of said skiving member adapted to receive the eccentric head of said bolt, a bolt hole located through the said skiving member below the counterbored area having a diameter concentrically disposed to the diameter of the said counterbored recess and of greater diameter than the body of said bolt, said eccentric head of said bolt being located in said counterbored recess of said skiving member, means for tightening said bolt in said machine.

2,496,658
PHONOGRAPH RECORD CHANGER
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application April 15, 1946, Serial No. 662,293
1 Claim. (Cl. 274—10)



Record-changing apparatus including a frame, an upright spindle slidably carried by the frame and adapted to have slipped on it records to be played, said spindle being provided with a shelf arranged to support a stack of records in a horizontal position, and resilient means supporting the spindle and urging said spindle in an upward direction and permitting the spindle to be downwardly displaced to cushion the impact of the records against the shelf when the records are dropped thereon after displacement of the bottom record of the stack from said shelf, said resilient means being sufficiently stiff to support the spindle approximately in a predetermined position with any variation of load of records from one to the maximum for which the record-changer is designed.

2,496,659
PRODUCTION OF NITRILES
William I. Denton, Woodbury, and Richard B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 19, 1947, Serial No. 762,200
9 Claims. (Cl. 260—465.3)

1. A process for the production of nitriles having at least two carbon atoms per molecule, which comprises contacting an olefinic hydrocarbon containing up to about ten carbon atoms per molecule with ammonia, in gaseous phase, at temperatures falling within the range varying between about 850° F. and about 1075° F., and in the presence of a catalyst including a metal salt selected from the group consisting of the metal salts of molybdic acid and the metal salts of tungstic acid.

2,496,660
PRODUCTION OF AROMATIC NITRILES
William I. Denton, Woodbury, and Richard B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 15, 1947, Serial No. 768,933
7 Claims. (Cl. 260—465)

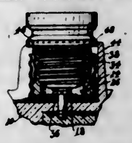
1. A process for manufacturing aromatic nitriles, which comprises contacting an aromatic

hydrocarbon selected from the class consisting of toluene, the xylenes, the trimethyl benzenes and styrene, with ammonia, in gaseous phase, at a temperature falling within the range varying between about 850° F. and about 1250° F., and in the presence of a metal salt of molybdic acid selected from the group consisting of uranyl molybdate and iron molybdate.

2,496,661
PRODUCTION OF NITRILES
William I. Denton, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 28, 1947, Serial No. 788,677
4 Claims. (Cl. 260—329)

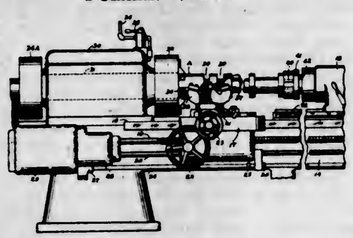
1. In a process for manufacturing organic nitriles, which includes contacting an organic reactant selected from the group consisting of a lower alkyl-substituted aromatic hydrocarbon having at least one nuclear hydrogen replaced by a univalent aliphatic non-acetylenic hydrocarbon radical and containing at least seven and up to eleven, inclusive, carbon atoms per molecule and a methyl-substituted thiophene, with ammonia, in gaseous phase, at an elevated temperature and in the presence of a catalyst; the improvement that comprises preheating ammonia to a temperature of about 800° F. to about 975° F., and contacting the preheated ammonia and the organic reactant with said catalyst at a temperature falling within the range varying between about 950° F. and about 1075° F., for a period of time sufficient to produce optimum yields of organic nitriles and maintain the decomposition of ammonia to a minimum.

2,496,662
ADAPTOR FOR CUTOUT BASE RECEPTACLES
William S. Edsall, Cambridge, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application September 11, 1947, Serial No. 773,367
4 Claims. (Cl. 200—119)



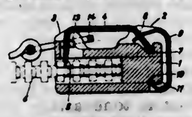
1. In a fuse plug base receptacle, a tamper-resisting sleeve element having an axial passage therethrough substantially larger in diameter than the diameter of the center contact of the base receptacle whereby the inner end of the sleeve surrounds the center contact of the base receptacle with the said center contact within the said passage, said sleeve engaging the screw shell contact of the base receptacle only at an inner end portion thereof, and the walls of said axial passage being threaded for reception of a threaded center-contact-carrying portion of one type of fuse plug whereby the center contact of the fuse plug may be projected through said axial passage into direct engagement with the center contact of the base receptacle, and said sleeve having means thereon for effecting electrical connection between a resilient contact element of said one type of fuse plug and the screw shell contact of the base receptacle only at one end portion of the latter, there being an annular space between an outer portion of the sleeve and the screw shell contact of the base receptacle for reception of a screw shell contact of another type of fuse plug which may be screwed directly into the screw shell contact of the base receptacle thereby to project its center contact through said axial passage into direct engagement with said center contact of the base receptacle.

2,496,663
METALWORKING APPARATUS
Frank A. Fritzsch, Cincinnati, Ohio, assignor to The Lodge and Shipley Company, Cincinnati, Ohio, a corporation of Ohio
Application June 14, 1946, Serial No. 676,735
4 Claims. (Cl. 82—2)



1. A machine tool comprising in combination, a rotary chuck having an opening for the reception of an elongated workpiece to be machined at predetermined spaced areas along the length thereof, said chuck including releasable gripping means to enforce rotation of the workpiece with the chuck while precluding longitudinal shifting of the workpiece, tool means located in close proximity to the chuck and operative to shape the rotating workpiece, a workpiece positioning support shiftable toward and from the chuck and including a second rotary chuck in axial alignment with the workpiece, releasable gripping means on the second chuck for grasping an advancing end of the workpiece to move the latter through the first chuck when released, said second chuck having a closed end for abutting an end of the workpiece, and stop means for successively limiting retractile shifting movements of said positioning support, constituting a bar provided with abutments spaced apart in correspondency with specified spacings between areas of the workpiece to be machined, a cooperative plunger to engage the abutments, and means mounting the aforesaid constituents of the stop means, one upon the workpiece positioning support and the other upon a relatively stationary part of the machine.

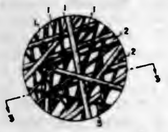
2,496,664
SLIDER FOR SLIDE FASTENERS
Hans Haidegger, Soleure, Switzerland, assignor to Ebauches S. A., Grenchen Soleure, Switzerland
Application July 8, 1948, Serial No. 37,702
In Switzerland January 24, 1948
6 Claims. (Cl. 24—205.14)



1. A slider for a slide fastener, comprising in combination, a slider body adapted to slide along a series of slide fastener elements and having a flaring head portion and a tail portion, each of said portions having a front face and a rear face;

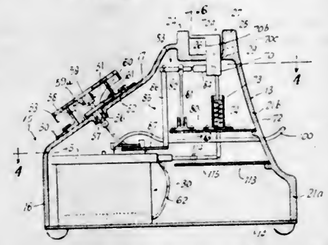
a frontal abutment on the front face of said flaring head portion of said slider body; a pawl having one end portion turnably engaging said frontal abutment so that the other end portion of said pawl is turnable into engagement with said slide fastener elements locking the same and out of engagement with said slide fastener elements; a rearwardly directed retaining portion on said slider body disposed rearwardly of said frontal abutment; and a substantially C-shaped clamping spring having a rear end portion bent inwardly engaging said rearwardly directed retaining portion and having a front end portion engaging said pawl at a point thereon spaced from said frontal abutment and thereby holding said pawl in engagement with said frontal abutment.

2,496,665
COMPOSITE TRANSPARENT SHEET
William A. Hermanson, Brookline, Mass.
Application June 10, 1949, Serial No. 98,377
5 Claims. (Cl. 117—15)



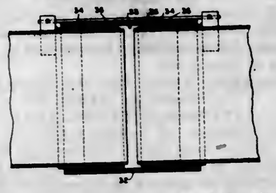
1. A composite transparent sheet comprising a paper web consisting of a mixture of randomly deflocculated synthetic organic fibres, having not less than 10% nor more than 50% of a denier of 5.5 and the balance of fibres of a denier of 3 to 1.5, said fibres being intimately mixed in overlapping criss-crossed and heterogeneous relation to each other, thereby providing comparatively large interstices of the order of 25 to 150 microns and which extend in random relation through the full thickness of the sheet, the web being completely filled with a transparent polymerized synthetic resin.

2,496,666
PHONOGRAPHIC TOY TELEPHONE
Nicholas C. Heyman, New York, N. Y.
Application June 9, 1945, Serial No. 598,429
4 Claims. (Cl. 274—9)



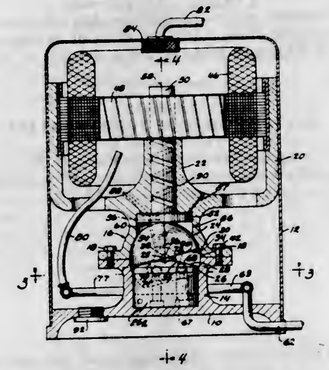
1. A toy telephone comprising a casing, a record player within the casing, a depressible receiver bar formed with a slot therein on the casing, a receiver on the receiver bar, said record player including a tone arm, and means controlled by removal of the receiver off the receiver bar, for lifting the tone arm off the record on the turn table of the record player, said means comprising a member within said casing pivoted for movement about vertical and horizontal axes, one end portion of said pivoted member extending beneath said tone arm, the other end portion of said pivoted member, comprising a cam member received within said slot of said receiver bar.

2,496,667
THREADLESS COUPLING
John M. Hopwood, Mount Lebanon, Pa., assignor to Hagan Corporation
Application January 15, 1947, Serial No. 722,102
1 Claim. (Cl. 285—193)



A coupling for pipe, conduit and the like adapted to carry fluids, water and the like, comprising a cylindrical ferrule having on its inner surface a rubberized fabric liner cemented thereto, rubber rings on the inside of said ferrule, one at each end thereof, the outer end of each ring being cemented to the fabric, and a fillet between the middle portion of each ring and said fabric liner to cause the inner ends of said rings to flare inwardly towards the center of said ferrule when no radial pressure is exerted on said rings, said coupling being characterized by the fact that when adjacent ends of pipe sections are inserted into said coupling and fluid under pressure is passed through the pipe sections, the inner ends of said rings are squeezed by the pressure of the fluid into pressure tight engagement with the outer surfaces of the ends of said pipe sections.

2,496,668
NUTATING AXIS ROTARY COMPRESSOR
David O. Manseau, Berkley, Mich.
Application February 18, 1946, Serial No. 648,331
7 Claims. (Cl. 230—139)



1. A motor compressor unit comprising means forming a part-spherical chamber, a stationary member having a conical surface projecting into said chamber, a diametral abutment mounted for oscillation in a slot in said stationary member, a part-spherical impeller in said chamber having a plane surface contacting the conical

surface in line contact to form with said abutment pressure and suction chambers, said abutment contacting a groove in said plane surface, said slot being grooved to form inlet and outlet ports communicating with said chambers contiguous to the abutment, and an electric motor having its rotor connected to said impeller in driving relation thereto.

2,496,669
COPOLYMERIZATION OF THIOPHENE WITH STYRENE
Jacob R. Meadow, Lexington, Ky., and Arlie A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 4, 1948, Serial No. 63,635
12 Claims. (Cl. 260—79.7)

1. The process of manufacturing synthetic resins, which comprises contacting thiophene with styrene, in amounts falling within the range of mole ratios of styrene to thiophene of 1–3:3–1, respectively, in the presence of hydrogen fluoride in amounts falling within the range varying between 1% and 25% based on the weight of thiophene.

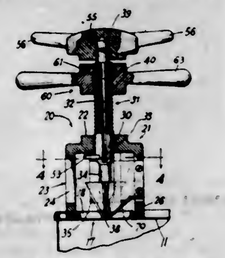
2,496,670
POLYHYDROXYALKYL ETHERS OF CARBOHYDRATE GUMS
Owen A. Moe, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application June 19, 1947, Serial No. 755,707
8 Claims. (Cl. 260—209)

1. A dihydroxypropyl ether of a gum selected from the group consisting of glucomannan and galactomannan gums.

2,496,671
TITANIUM CARBIDE ARTICLE
Harold R. Montgomery, Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application September 14, 1948, Serial No. 49,306
1 Claim. (Cl. 106—43)

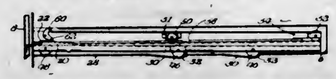
A molded article of carbon-rich titanium carbide having from 1.1 to 1.5 mols of carbon to one mol of titanium and having a density of at least 4.50.

2,496,672
DEVICE FOR REMOVING SEALING CLOSURES
Isidor Newman, New York, N. Y.
Application April 16, 1945, Serial No. 588,549
11 Claims. (Cl. 7—14.25)



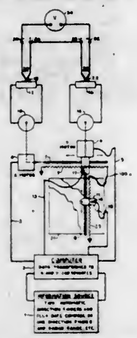
1. A tool of the character described comprising an annular member having an end wall formed with an opening, a shank movably mounted on said end wall and passing through said opening and disposed axially of said member, a piercing element at one end of said shank, and a plurality of knives on said member projecting into said member, said piercing element having a plurality of fins, and said knives projecting between said fins.

2,496,673
DRAWER CONSTRUCTION
John V. Nielsen, Chicago, Ill., assignor to Poster Products, Inc., Chicago, Ill., a corporation of Illinois
Application April 5, 1946, Serial No. 659,925
7 Claims. (Cl. 45—77)



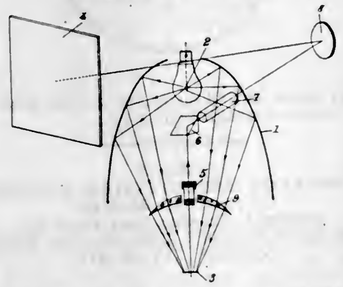
5. In combination with a cabinet having a drawer opening therein, a drawer fitting into said opening, a track secured to said cabinet at each side of said drawer, rollers mounted to movably support said drawer and adapted to ride on said tracks, and rearwardly and upwardly curved portions on said tracks adjacent one end thereof, whereby said rollers will ride upwardly thereon when a force is exerted to move said drawer rearwardly from a closed position and thereby impart an initial forward movement thereto upon removing said force, the normal position of said rollers on said tracks when the drawer is closed being at the bottom of said upwardly curved portions.

2,496,674
SYSTEM FOR GROUND SPEED DETERMINATION
Arthur C. Omberg, Owings Mills, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application February 2, 1946, Serial No. 645,160
1 Claim. (Cl. 235—61)



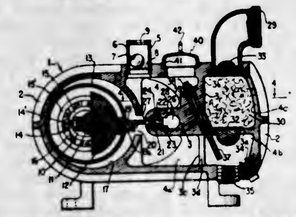
In a system for determining the ground speed of a moving vehicle: a pair of movable elements; means causing said elements to move at rates proportional respectively to components of the ground speed of said vehicle along mutually perpendicular direction lines; means deriving from the motion of said elements voltages proportional to said components; a pair of heater elements individually activated by said voltages; a pair of series connected thermocouples individually excited by said heater elements; and a metering device measuring the total voltage developed by said series connected thermocouples, said metering device indicating the square root of the voltage measured by it.

2,496,675
OPTICAL PROJECTION APPARATUS WITH NORMAL ILLUMINATION MEANS
Henri Marcel Edmond Pasquet, Neuilly-sur-Seine, France, assignor to Societe d'Applications Generales D'Electricite & De Mecanique, Sagem, Paris, France, a society of France
Application June 18, 1946, Serial No. 677,612
In France May 22, 1946
2 Claims. (Cl. 88—24)



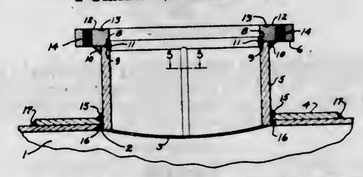
1. An apparatus of the type described which comprises, in combination, means forming an observation area for an object, an illuminating source of elongated shape extending along a portion of an axis at least substantially at right angles to said area, the length of said source along said axis being of the same order of magnitude as the radius of said area, means for concentrating onto said area substantially all the light rays from said source with the exception of those making a very small angle with said axis, said means including a reflector coaxially surrounding said source and the axial sections of which are portions of ellipses having one focus on said source and the other one in the region of said area and magnifying means for examination of said object including an objective system located along said axis between said source and said area.

2,496,676
VACUUM PUMP
Emanuel Rawson, Chicago, Ill., assignor to Rite-Way Products Company, Chicago, Ill., a corporation of Delaware
Application November 12, 1946, Serial No. 709,328
6 Claims. (Cl. 230—207)



1. A gas pump comprising a casing having inlet and discharge openings, a web or partition wall in the casing between the openings and dividing the casing into inlet and discharge compartments, a filter mounted within the casing on the web or partition wall in one of said compartments, an open ended oiling tube attached to the web or partition and having one end disposed beneath the filter and adjacent the bottom of the compartment housing the filter, and the opposite end of the tube disposed in the inlet compartment, and a removable cap member in the top of the casing adjacent to and in line with the end of the tube which is in the inlet compartment.

2,496,677
TANK CAR NOZZLE
Charles E. Reedy, West Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of Delaware
Application April 19, 1947, Serial No. 742,568
1 Claim. (Cl. 285—106)



In a tank nozzle for high pressure tanks, a tubular sheet metal nozzle member formed with its grain running circumferentially, a flange member mounted at one end of the nozzle and having its inner circumferential face forming a continuation of the nozzle inner wall and lying flush therewith, said flange member comprising a ring formed from a bar of stock with the grain of the metal running circumferentially, said ring including between its ends a transverse weld insert of V-form with the apex of the V insert terminating at its inner face, said weld insert by virtue of contraction during cooling acting to apply tension to the metal in the periphery of the ring, while the metal on the inside of the ring is placed under compression, a fillet weld connecting the inner surface of the ring and the adjacent inner surface of the nozzle, whereby a structure is formed in which no laminations are directly exposed to the pressure in the tank to which the nozzle may be connected.

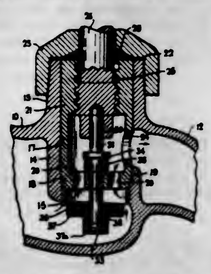
2,496,678
GINGERBREAD MIX
Paul W. Salo and Louis J. Huber, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application November 2, 1946, Serial No. 707,534
5 Claims. (Cl. 99—94)

1. The process of preparing a gingerbread premix which comprises drying flour to a moisture content not substantially in excess of 7%, concentrating molasses to a moisture content within the approximate range of 4% to 10%, mixing the concentrated molasses and the dried flour and thoroughly incorporating the molasses in the flour.

2,496,679
FAUCET
Curt Saurer, Detroit, Mich.
Application March 13, 1946, Serial No. 653,974
2 Claims. (Cl. 251—160)

1. A faucet of the character described comprising a valve seat in the flow passage of the faucet, a disc-like valve structure arranged for axial movement from and toward said valve seat, and comprising a body of resilient material having a facing of rigid material on the side thereof confronting the valve seat, said structure having an

axial recess extending through the rigid material and into the resilient material, the stem being received in said recess and connected to the re-



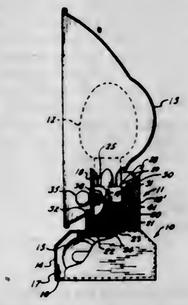
silient material at the bottom of the recess, a local region of the recess being of larger diameter than the stem to enable limited universal movement of the valve structure relatively to the stem.

2,496,680

PHOTOFLASH LAMP SOCKET WITH TEST LAMP

Morris Schwartz, Stamford, Conn., assignor to The Kalart Company Inc., Stamford, Conn.

Application October 28, 1947, Serial No. 782,583
10 Claims. (Cl. 67—31)



1. A photoflash arrangement including a socket having a shell arranged to receive the base of a photoflash lamp and circuit means for connecting the socket terminals to a source of current, in combination with contact means arranged to be engaged by a test lamp and to connect the test lamp terminals in a by-pass circuit with said circuit means, and switch means included in the test lamp circuit and biased into a position maintaining the test lamp circuit closed, said switch means being mounted within said shell and arranged to be engaged by an inserted flash lamp base and to be moved into a position disconnecting the test lamp.

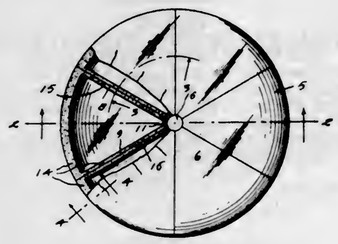
2,496,681

HOLLOW CIRCULAR SEGMENTAL LENS STRUCTURE WITH LIQUID FILLER

Robert D. Stephens, Richmond, Va.

Application February 14, 1947, Serial No. 728,588
3 Claims. (Cl. 88—57)

1. A lens of the character described comprising convex top and bottom walls and radial internal walls dividing the interior of the lens into a plurality of segmental chambers, the inner ends of chambers being provided with axially extending walls, said walls having openings therein through



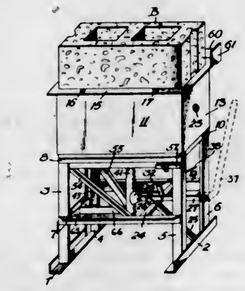
which liquid can be dispensed to said chambers and closures for said openings.

2,496,682

MACHINE FOR MAKING CINDER, CONCRETE, OR SIMILAR BLOCKS

William J. Thacker, Glen Allen, Va.

Application October 2, 1945, Serial No. 619,832
5 Claims. (Cl. 25—41)



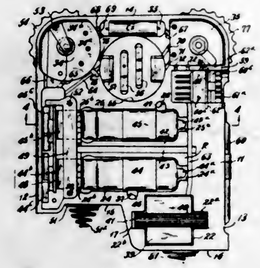
1. In a machine for making blocks of cementitious material, rectangular side and end plates united at their vertical meeting edges to form a rectangular mold, a support for said mold including four angle sections, each section being rigidly united with a respective corner of said mold so that the inner surfaces of said sections are coplanar with the adjacent inner surfaces of said plates, an elevator cage including four corner bars, spacer bars and brace bars uniting said corner bars in parallel relation whereby the outer surfaces of each said corner bar slidably fits the corresponding inner surfaces of said angle sections and plates, to thereby guide said cage within said frame and mold for vertical translation only, a ratchet rod rigidly attached to said cage and depending vertically therefrom, a lever pivoted on said frame, a pawl element pivotally mounted on the end of said lever adjacent said ratchet and adapted, when said lever is oscillated on its pivot, to move said rod and cage vertically to eject a block from said mold, adjustable friction means for clamping said cage to one of said angle sections to thereby maintain said cage in vertically raised position, and manually operable means effective to pivot and maintain said pawl element out of contact with said ratchet rod.

2,496,683

HEARING AID CHASSIS AND ASSEMBLY

Raleigh E. Tresise, Cleveland Heights, and Paul D. Kendall, Maple Heights, Ohio, assignors to Paravox, Inc., Cleveland, Ohio, a corporation of Ohio

Application March 6, 1947, Serial No. 732,718
1 Claim. (Cl. 179—107)



In a hearing aid apparatus, a main chassis of moldable insulating material having front and rear faces and provided with recesses and openings therein for the reception of hearing aid elements included in the amplifier circuit, said elements comprising a microphone, a vacuum tube amplifier, and an output connector and means for anchoring the said elements within said recesses, and the said main chassis also having recesses projecting thereinto from one of the faces thereof for the reception of a sub-chassis assembly comprising a tube and hearing aid elements included in the amplifier circuit, one of the last mentioned recesses being for the reception of the sub-chassis and said tube and the other of said recesses being for the reception of the means for anchoring the sub-chassis and hearing aid elements supported thereby within the said recesses and to the main chassis, said anchoring means also effecting electrical connection between one or more hearing aid elements in the main chassis and the hearing aid elements on the sub-chassis, the recess for the tube having a depressed seat for the tube socket extending between the outboard end of the seat for the tube and the recess for the reception of the insulating base and the elements supported thereby, the means for anchoring the sub-chassis assembly comprising an anchor bar of conducting material and the main chassis being provided with recesses for the reception of the ends of the anchor bar projecting thereinto at the ends of the seat for the socket, and means for securing the anchor bar in position and for effecting thereby electrical connections between one or more hearing aid elements in the main chassis and the hearing aid elements on the sub-chassis assembly.

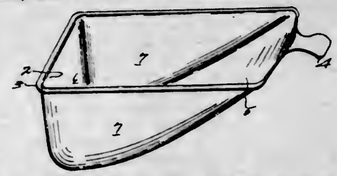
2,496,684

REMOVABLE COLD WAVE OR DYE PAN FOR BEAUTICIANS' WASH SINKS

Fern G. Upchurch, Los Angeles, Calif.

Application August 8, 1946, Serial No. 689,172
1 Claim. (Cl. 4—159)

A jury pan or receptacle having a bowl of generally oblong plan to nest into the space of a hairdresser's sink and having a flange rim on two sides and one end to lodge on the top edge of the bowl, the receptacle being of generally triangular, longitudinal cross-section with the deep end extending down from the end of the receptacle having the rim, and the opposite, apex end of the recep-



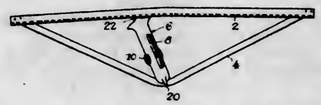
tacle having at the center of its end edge an outwardly projecting, neck resting horn.

2,496,685

BRAKE BEAM

Loren L. Whitney, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application February 1, 1947, Serial No. 725,885
3 Claims. (Cl. 188—228)



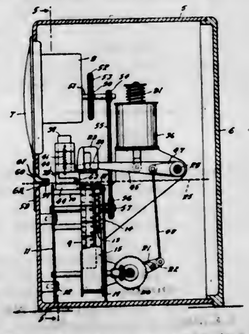
1. A brake beam comprising a truss having a compression member with a front web and top and bottom webs projecting rearwardly therefrom, and a tension member having an extremity extending approximately parallel to said front web within a slot therethrough, said tension member extremity being welded at the top and bottom thereof to said front web along the front and rear surfaces thereof above and below said slot, whereby said extremity is disposed adjacent the longitudinal axis of said compression member, and a brake head carried by the truss.

2,496,686

ELAPSED TIME RECORDER WITH STRIP PRINTING TYPE

La Vergne H. Williams, Columbia, Conn., assignor to Collins and Williams Company, Incorporated, Willimantic, Conn., a corporation of Connecticut

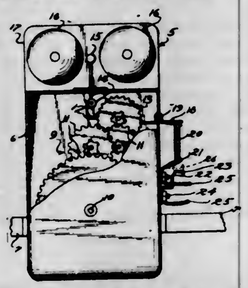
Application June 30, 1945, Serial No. 602,457
10 Claims. (Cl. 346—82)



1. A time recording device of the character described comprising a stamping mechanism having printing type, and means for selectively impressing a portion of said type upon a time

card inserted in said mechanism; said stamping mechanism including a hammer for causing the impression of a portion of said type upon a card, a separate hammer for causing the impression of a different portion of said type on the card, and means including an electric circuit for selectively controlling the operation of said hammers; said controlling means including a plurality of slots through which said card may be inserted for conditioning said circuit for the operation of either of said hammers, an electric switch in said circuit operable by the insertion of the card through one of said slots for conditioning said circuit for the operation of one of said hammers, a separate electrical switch operable by the insertion of said card through another of said slots for conditioning the circuit to cause the operation of another of said hammers, and a single switch in said circuit operable by said card upon the insertion thereof into said mechanism through either of the slots for closing said circuit to cause operation of the selected hammer.

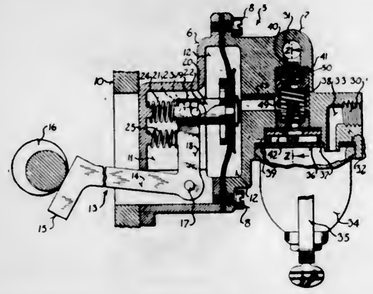
2,496,687
MECHANICAL AND ELECTRICAL THERMOSTATIC ALARM ACTUATOR
Lawrence F. Amprim, Detroit, Mich.
Application June 25, 1946, Serial No. 679,041
3 Claims. (Cl. 177—311)



3. A thermostatic actuating means for use with a clockwork mechanism, comprising a casing having an aperture therein, a starting lever pivoted on the casing and having one end extending through said aperture for engagement with said mechanism, a pair of electrical contacts connected in an electrical circuit and mounted on the casing, one of said contacts being spring biased toward the other contact, and a fusible link connected to and between the other end of said starting lever and said spring biased contact so that on fusion of the link the starting lever releases the mechanism and said contacts are closed.

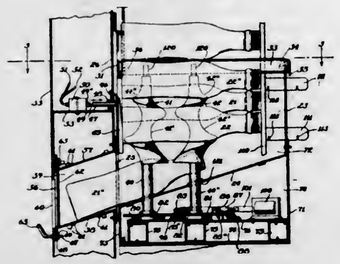
2,496,688
PUMP
Werner E. Armstrong, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 2, 1945, Serial No. 591,453
5 Claims. (Cl. 103—150)

1. In a pump of the character described: a pump body; a fluid passageway in the body having an inlet and an outlet and having a valve chamber interposed therebetween; means in the pump body providing for alternately subjecting the valve chamber to reduced and increased pressure in the suction and pressure strokes of the pump respectively; a pair of check valves in said valve chamber for controlling fluid flow from the inlet to the outlet of said passageway, the movable element on one of said valves responding only to reduced pressure in the chamber on the suction stroke of the pump to permit fluid to flow into said chamber from the inlet of the passageway, and the movable element of the other of said valves responding only to increased pressure in the chamber so that fluid in the chamber is forced to said outlet on the pressure



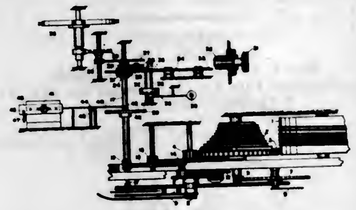
stroke of the pump; fluid seals interposed between said valves and the ends of the valve chamber for precluding fluid flow past said valves except upon response of the movable elements of the valves to pressure; and means in said valve chamber for holding the check valves in predetermined spaced apart positions within the valve chamber and against the seals at the opposite ends of the chamber.

2,496,689
ARTICLE DISPENSING MACHINE
Rudolf Balzer, West Springfield, Mass.
Application July 11, 1947, Serial No. 760,195
17 Claims. (Cl. 312—48)



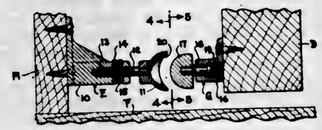
17. An article dispensing machine comprising a housing including a pair of compartments for storage of articles to be dispensed, a pair of vertically disposed spirals below said compartments arranged one in front of the other and receiving articles horizontally disposed on opposite convolutions of said spirals, gear means permitting simultaneous rotation of said spirals under weight of the articles, the convolutions of the spirals being constructed with the upper portions having a lesser pitch than the lower portions thereof so as to support articles at the high level when the lowermost article is being dispensed, and releasable stop means for said spirals.

2,496,690
SECONDS SETTING MECHANISM
William Ogle Bennett, Jr., Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application November 9, 1945, Serial No. 627,710
1 Claim. (Cl. 58—80)



A combination of a chronometer having hour, minute and second hands, said second hand advancing in half minute increments and provided with a detent escapement, with means for advancing or retarding, the running mechanism including the second, minute and hour hand in exact half minute increments.

2,496,691
DOORSTOP AND HOLDER
Clyde F. Berry, Manchester, N. H., assignor of one-third to Harold H. Pelzer, New York, N. Y.
Application June 19, 1948, Serial No. 34,019
3 Claims. (Cl. 292—70)



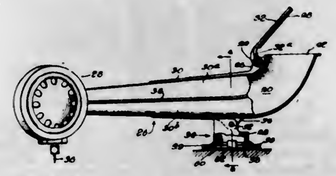
2. In a device of the class described, the combination of a stationary member, a cup-shaped contact element of magnetic material mounted thereon, a member adapted to be secured to a door, a ball-shaped magnetized contact element mounted on said door member for contacting the cup-shaped element, and part of the rim of said cup-shaped element sloping at an outwardly diverging angle to the axis of the cup to permit the ball-shaped element to enter the cup at an angle to the cup axis.

2,496,692
SELENIUM RECTIFIER
Wayne E. Blackburn, Hollywood, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1947, Serial No. 735,883
8 Claims. (Cl. 175—366)



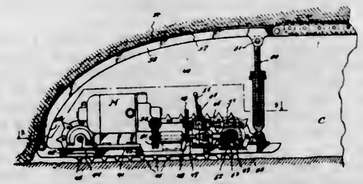
1. A rectifier comprising a barrier layer between selenium surfaced with cadmium sulphide and an alloy containing cadmium, tin and gallium.

2,496,693
DETACHABLE TONE ARM MOUNTING
Robert G. Bode and Charles A. Geib, Chicago, Ill., assignors to The Norwood Company, Chicago, Ill., a corporation of Illinois
Application February 24, 1948, Serial No. 10,424
2 Claims. (Cl. 274—23)



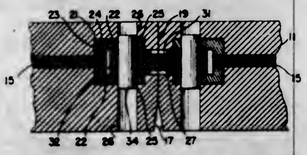
1. In a portable phonograph, a tone arm, a pick-up attached to one end of said tone arm, and a universal mounting pivotally supporting said tone arm near the other end thereof, said mounting including a bearing plate having a horizontal bearing surface and a pair of spaced lugs projecting upwardly from said bearing surface, each of said lugs having a horizontally extending ear at its upper end, said mounting also including a standard resting upon said bearing surface and rotatable horizontally, said standard having a bottom wall with a central elongate opening through which said lugs extend, said ears being adapted to overlie said bottom wall when said tone arm is within its operating sector, said ears being registerable with said opening so as to permit withdrawal of said standard from said bearing plate when said tone arm is turned horizontally to a certain position outside its operating sector, said tone being pivotally connected to said standard for rotation in the vertical plane.

2,496,694
MINING MACHINE PROTECTIVE COVER UNIT
Clarence E. Brown, Clarksburg, W. Va.
Application March 8, 1946, Serial No. 652,962
2 Claims. (Cl. 262—1)



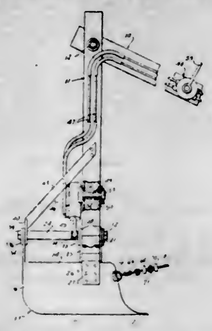
2. A mobile protective cover unit for use in mining coal comprising a mobile platform having a motor supported thereon, driving means on said platform connected to the motor for driving the unit, a pair of longitudinally extending downwardly and rearwardly inclined arcuate cover supporting beams spaced from each other and pivotally connected at one end to one end of said platform, cover plates carried by said beams, and jacks arranged adjacent the other end of the platform and having one end pivotally connected to said other platform end, the other end of said jacks being pivotally connected to the other end of said beams.

2,496,695
BELT COUPLING
Eugene E. Brunner, York, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application November 28, 1945, Serial No. 631,266
9 Claims. (Cl. 24—31)



2. Means for connecting the adjoining ends of a belt comprising, in combination, a U-shaped socket member embedded in each end of the belt, a coupling having a pair of rigid coupler members adapted to be received in said socket members and an intermediate flexible section, and means for pivotally connecting each of said coupler members to the socket members, respectively.

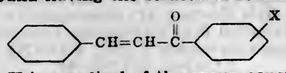
2,496,696
BACK HOE EXCAVATING IMPLEMENT WITH TILTABLE BUCKET
Harold C. Burner and George E. Nigh, Palestine, Ill.
Application July 27, 1948, Serial No. 40,978
6 Claims. (Cl. 214—138)



1. In an excavating implement having a boom, an excavating bucket, and a boom stick pivotally secured to said boom and suspending said bucket from said boom, and pull cables attached to the front open end of said bucket, means providing a pivotal connection between said boom stick and said bucket for tilting movement of said bucket relative to said stick about a pivotal axis extending longitudinally of said bucket, power-operated means operatively connected between said boom stick and said bucket for tilting said bucket about said pivotal axis, and a swivel connection between said pull cable and said bucket.

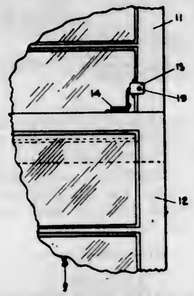
2,496,697
STYRENE-SUBSTITUTED BENZALACETOPHENONE COPOLYMERS
Earl C. Chapin, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 30, 1948, Serial No. 5,484
5 Claims. (Cl. 260—63)

1. A copolymer of from 50 to 98 percent by weight of styrene and from 50 to two percent of a compound having the structural formula:



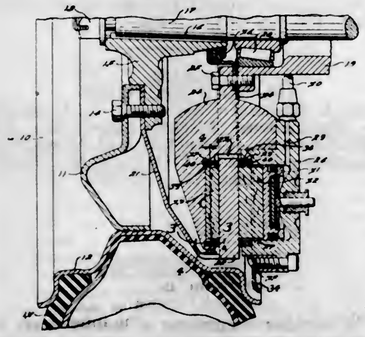
wherein X is a radical of the group consisting of methoxy and chlorine.

2,496,698
WINDOW LOCK
Roy C. Chapman, Detroit, Mich.
Application July 19, 1946, Serial No. 684,717
5 Claims. (Cl. 292—210)



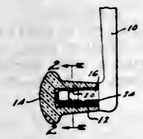
1. Sash locking means for windows of the type having an upper sash and a lower sash slidable with respect to said upper sash, comprising a plate member adapted to be secured to a side frame element of the upper sash, a housing carried at one side of said plate member, an arm pivotally mounted in said housing for rotation around a horizontal axis, a forwardly projecting lug carried by said arm, a horizontal bracket adapted to be secured to the top of the lower sash adjacent said arm, and a latch member pivotally secured to said bracket for rotation in a horizontal plane, said latch member being formed and arranged to overlie said lug.

2,496,699
WIPER FOR LIMITED CONTACT DISK BRAKES
Bruce E. Clark, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 29, 1946, Serial No. 693,641
10 Claims. (Cl. 188—72)



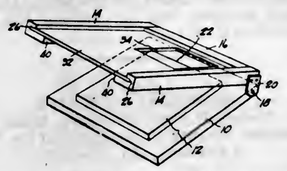
1. A combination comprising an element rotatable about an axis and a non-rotatable element, a disc member carried by one of said elements in a plane normal to said axis, a friction member carried by the other of said elements and adapted to contact a relatively small area on said disc, means to selectively engage and disengage said friction member with said disc to brake said rotatable element and a wiper encircling the area of contact of said friction member with said disc to clean successive portions of said disc prior to their contact with said friction member.

2,496,700
KNOB ASSEMBLY
Frederick A. Cole, Detroit, Mich.
Application August 16, 1946, Serial No. 690,912
6 Claims. (Cl. 74—543)



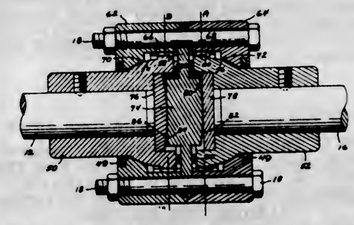
1. A handle assembly of the class described comprising a crank arm having a shoulder arranged transversely of the axis thereof and facing toward the inner end of said arm, a hollow tubular member telescoped on said arm and having integral radially inwardly deflected prongs engageable with said shoulder by telescoping said tubular member on said arm so as to prevent relative axial movement in one direction between said member and arm, a handle knob member of plastic material having a socket in which said hollow member with the arm assembled therein is fitted, said hollow member having integral radially outwardly deflected prongs arranged oppositely to the aforesaid prongs and engaging the wall of said socket to prevent separation of said hollow tubular member therefrom, and means preventing relative axial movement in a direction opposite to said one direction between said arm and handle member.

2,496,701
PHOTOGRAPHIC PRINTING EASEL
Kenneth C. De Groff, South Bend, Ind.
Application August 2, 1946, Serial No. 688,093
5 Claims. (Cl. 88—24)



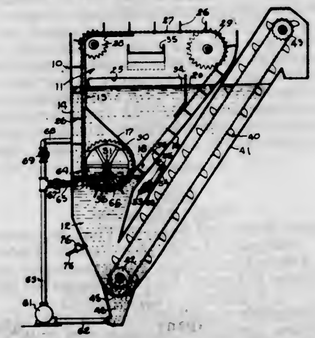
1. A photographic printing easel comprising a base having an elevated rigid paper supporting platform, a U-shaped frame fitting snugly around said platform and pivoted to said base about an axis spaced outwardly from and below said platform, said frame having a continuous groove in its inner margin and open at its ends whose lower portions lie substantially in the plane of said platform when said frame is closed, and a flat substantially rigid panel removably mounted in said groove to span said frame, the inner face of said frame projecting below said groove a depth substantially equal to the height of said platform.

2,496,702
FLEXIBLE COUPLING
Reinhold W. Dykman and Charles A. Haubroe, Baltimore, Md., assignors, by mesne assignments, to Dykman Manufacturing Corporation, Baltimore, Md., a corporation of Maryland
Application February 10, 1948, Serial No. 7,348
6 Claims. (Cl. 64—9)



1. A flexible shaft coupling for transmitting rotation and end thrust from one shaft to another, comprising driving and driven hub members adapted to be respectively connected with said shafts, each of said members having a spherical gear formed thereon, an external sleeve having a pair of internal gears carried thereby and respectively engaging said spherical gears, said sleeve having means formed thereon and engaging said hub members for preventing longitudinal movement of the hub members away from each other, and means interposed between the ends of the hub members for preventing longitudinal movement of said members toward each other and for transmitting end thrust from one member to the other, comprising a pair of spaced-apart thrust elements respectively supported by said hub members, one element provided with a convex thrust face and the other element provided with a flat thrust face, and a third thrust element supported by said sleeve and having a flat thrust face engaging the convex thrust face of the one element, and having also a convex thrust face engaging the flat thrust face of the other element.

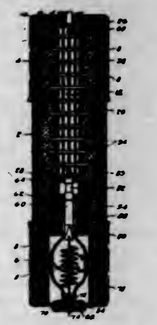
2,496,703
THREE-WAY GRAVITY LIQUID SEPARATION
Hilmer N. Ekbom, Goteborg, Sweden
Application February 19, 1947, Serial No. 729,542
3 Claims. (Cl. 209—172)



1. The process of effecting a three-way separation of comminuted solid materials according to their different specific gravities which comprises establishing in a single vessel two bodies of fluid of different densities, introducing the materials to

be separated into the fluid body of lower density, removing from said lower density body the material which floats therein, collecting the material which sinks in said lower density body in a mass disposed between the two fluid bodies, transferring the collected material to the fluid body of higher density at a rate such as to maintain a barrier between the fluid bodies effective to substantially prevent intermixing of the fluids, and separately removing from said higher density fluid body the material which floats and the material which sinks therein.

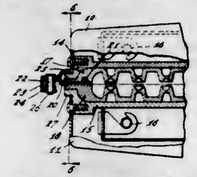
2,496,704
CIRCUIT INTERRUPTER
Harold H. Fahnoe, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1945, Serial No. 582,867
13 Claims. (Cl. 200—120)



1. In a fuse, a fuse holder of insulating material having spaced terminals thereon, current and voltage limiting fusible circuit interrupting means connected between said terminals, comprising one or more parallel fusible conductors, each of said fusible conductors having in proximity to one side thereof for at least a substantial portion of the length thereof means of an insulating material which is capable of evolving an arc extinguishing gas when in proximity to an electric arc, a finely divided inert insulating material in proximity to the side of each conductor opposite said gas evolving material, so that the arc formed upon fusion of each conductor is subjected to a transverse gas blast from said gas evolving material through the arc and into said inert material, said conductors being adapted to fuse in response to currents above a predetermined value and said conductors and material comprising the sole current and voltage limiting and arc extinguishing means of said fuse for currents above said predetermined value.

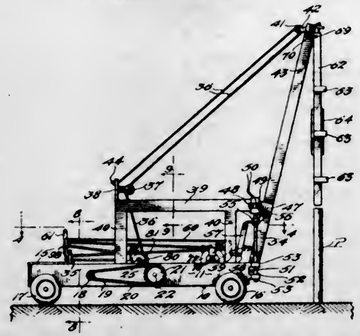
2,496,705
WAFFLE IRON
Edward A. Farr and John P. Theisen, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application February 26, 1947, Serial No. 730,944
3 Claims. (Cl. 99—372)

3. In a cooking appliance, a grill having a cooking surface, means for heating said grill, a waffle grid adapted to be seated on and in heat-transmitting relationship with said grill, and means for holding said grid in place on said grill, said means comprising an abutment on the grill, an arm secured to said grid and projecting outwardly therefrom, and a latch member pivotally mounted on said arm on an axis perpendicular to the plane



of said grid and swingable into and out of grid-retaining engagement with said abutment.

2,496,706
MOBILE PILE DRIVER
Richard D. Fiedler, Burt, N. Dak.
Application August 2, 1946, Serial No. 688,090
4 Claims. (Cl. 61—74)



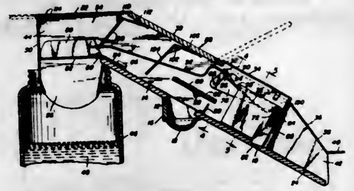
1. A mobile pile driver including a wheeled frame having a superstructure, a derrick pivoted releasably thereon at two vertically spaced points, one of said pivot points being releasable to permit the derrick to be folded on top of the superstructure in a substantially horizontal position to provide a low overhead, a guide frame suspended pivotally from the upper end of the derrick, a hammer slidable therein, drum and cable means for swinging the derrick to folded position, and drum and cable means for swinging the derrick to raised position and for raising the hammer and releasing it.

2,496,707
SPORTSMAN'S KNIFE
Robert P. Frye, Marlboro, Mass.
Application August 29, 1947, Serial No. 771,229
3 Claims. (Cl. 30—125)



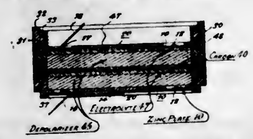
1. In a structure of the class described, a circular head having a reduced circular boss on one face, a blade attached to and projecting from the opposite face of said head, an annulus spaced from and in alignment with said head, a relatively narrow rectilinearly straight connecting rod eccentrically connected at opposite ends to said annulus and head, a hollow open-ended transparent cylinder forming a hand grip, said cylinder fitting over said annulus at one end, surrounding said rod and bearing at its opposite end against said head, and cap means removably fitted into said annulus and closing the adjacent end of said cylinder.

2,496,708
RODENT TRAP
Carl T. Fuller, Billings, Mont.
Application January 30, 1948, Serial No. 5,385
2 Claims. (Cl. 43—67)



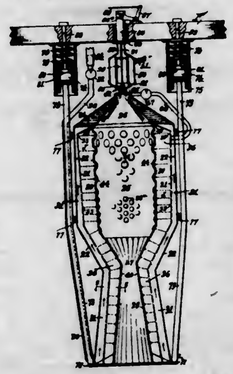
1. A rodent trap comprising an upwardly inclined ramp, a depending discharge chute at the upper end of the ramp, a bait box between the upper and lower ends of the ramp, an enclosure for the ramp and the discharge chute, said enclosure having a vertical wall formed with an access doorway adjacent the lower end of the ramp, a door adjacent the access doorway adapted to fall by gravity into doorway closing position, a treadle pivotally supported within the enclosure near the bait box, means carried by the treadle releasably to hold the door elevated above the access doorway until the treadle is moved under the weight of a rodent thereon, a trap door pivotally supported in the enclosure adjacent the discharge chute for movement under the weight of a rodent thereon, means actuated by the movement of the trap door under the weight of a rodent to restore the access door to elevated position, a latch bolt carried by the access door to engage the vertical wall of the doorway and hold the access door in closed position, and means operable by the access door restoring means to retract the latch bolt prior to exerting lifting effort on the access door.

2,496,709
FLAT PRIMARY BATTERY AND CELL UNIT
Albert Gelardin, New York, N. Y.
Application July 17, 1948, Serial No. 39,220
7 Claims. (Cl. 136—111)



1. A primary cell element comprising an integral encircling, non-conductive wall, a zinc plate having its entire periphery embedded in and extending between the inner surfaces of the wall and defining upper and lower recesses therewith; a composite crush-resistant, protective surfacing on the upper surface of the zinc plate and integral with the wall, said protective surfacing being a foraminous member of dielectric plastic having at least one aperture defining a pocket; a compressed, electrolyte-impervious, conductive carbonaceous embedment in the pocket, substantially flush with the surface of the plastic member and laterally supported by the wall of the pocket, and being in good mechanical and electrical contact with the zinc plate and forming a duplex electrode therewith; a tamped depolarizer mass comprised essentially of granular manganese dioxide, in the upper said recess in mechanical and electrical contact with the composite carbon collector mass and protective surfacing, and an immobilized electrolyte in the lower recess in good mechanical and electrical contact with the zinc plate.

2,496,710
FUEL CONTROLLING APPARATUS FOR LONGITUDINALLY MOVABLE COMBUSTION CHAMBERS
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Original application March 9, 1942, Serial No. 433,963, now Patent No. 2,397,658, dated April 2, 1946. Divided and this application February 14, 1946, Serial No. 647,607
2 Claims. (Cl. 60—35.6)

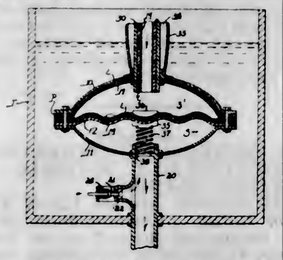


1. In a combustion apparatus, a fixed frame, a combustion chamber having an axial discharge opening at one end, a supporting structure in which said chamber is mounted for axial movement relative to said frame in response to changes in thrust produced by the flow of combustion gases from said chamber, means to yieldingly resist such movement, means to continuously supply an oxidizing liquid under constant pressure to said chamber, means to supply liquid fuel to said chamber, and valve means to vary the fuel flow in response to changes in the axial position of said chamber relative to said frame.

2,496,711
PUMPING APPARATUS FOR VERY COLD LIQUIDS
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application November 2, 1946, Serial No. 707,353
4 Claims. (Cl. 103—44)

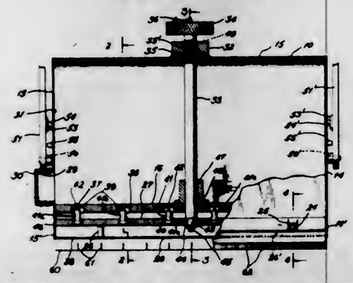
1. Pumping apparatus for cold liquids comprising a container for the cold liquid, a casing normally submerged in the cold liquid in said con-

tainer and containing a liquid space and a gas space separated by a movable partition member, one-way means to admit liquid freely to said liquid space, means to supply gas under pressure to said gas space to move the partition member to discharge the liquid from the liquid space, and



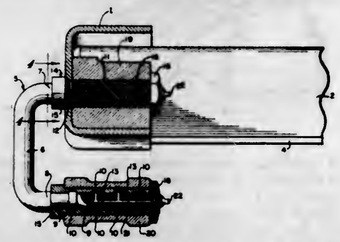
means to effectively heat-insulate the upper part of the casing, the partition member and the gas admission means to prevent excessive lowering of the temperature of the gas in said gas space by heat transfer to said cold liquid in which said parts are submerged.

2,496,712
FLUID SPREADER
Solomon Goldspiel and Joseph Meisler, Brooklyn, N. Y.
Application July 30, 1946, Serial No. 687,162
1 Claim. (Cl. 91—30)



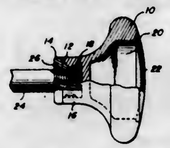
A device of the class described comprising a casing having an inset fixed bottom wall leaving depending walls on the casing, means for introducing fluid into the casing, a detachable supplemental bottom wall forming in the casing below the fixed wall a distributor chamber, means on the supplemental bottom wall forming upwardly and downwardly extending channels, depending walls of the casing fitting in said upwardly extending channels, yieldable means on said depending walls and channel forming means for retaining the supplemental bottom wall against displacement from the casing, the fixed bottom wall having a plurality of longitudinally spaced discharge apertures, a plurality of needle valves controlling said apertures, a single manually operated member adjustably supporting said valves in regulating the flow of fluid from the casing into said distributor chamber, said supplemental bottom wall having longitudinally spaced discharges, through which fluid is adapted to pass onto a surface, wipers detachably mounted in said downwardly directed channels and extending below the lower surface of the supplemental bottom wall for spreading fluid discharged onto a surface, said needle valves being greater in length at the ends of the member than at the central portion thereof to provide independent seating of said valves, whereby end apertures of the fixed bottom wall are closed prior to the central apertures, and a handle member pivotally supported on the casing for moving the device over a surface.

2,496,713
SPRING SHACKLE OF C TYPE CONSTRUCTION
Harold M. Gray, Masontown, Pa.
Application July 1, 1947, Serial No. 758,363
1 Claim. (Cl. 267—54)



Spring shackle comprising a substantially C-shaped member having an intermediate side link portion and parallel cylindrical end portions forming shackle bars, said shackle bars at spaced points intermediate their length having integral collars with side faces in radial planes, longitudinally split bushings surrounding said shackle bars with a free running fit, having cylindrical channels complementary to said collars receiving the same, said bushings each having a head at one end with wrench engaging facets, a reduced threaded portion at its opposite end, and being externally threaded between said head and reduced portion, and a lock nut on said reduced portion of larger diameter than said externally threaded portion, said shackle bars being provided with lubricant passages extending from their free ends and opening into the bearing interfaces between said shackle bars and bushings.

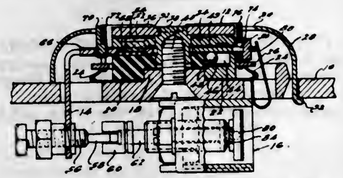
2,496,714
STAR HAND KNOB
David T. Haines, Dallas, Tex.
Application September 28, 1945, Serial No. 619,206.
1 Claim. (Cl. 16—121)



A hand gripping knob comprising a cast body having a hub with a mounting socket therein and a solid ring the axis of which is aligned with the axis of the hub, said solid ring spaced from and connected to the end of the hub opposite to that in which the socket is positioned, being connected thereto by an arcuate outwardly flared conical like web having a wall of less thickness than that of the ring and said ring having spaced arcuate lugs on the peripheral surface to facilitate gripping the knob by hand, said cast body having a conical like cavity therein opening through the ring and extending to the juncture of the hub and conical like web, said ring having

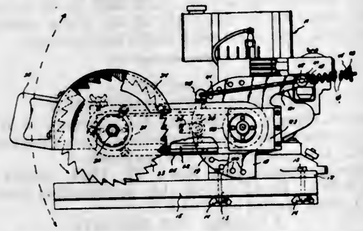
a rabbet in the inner edge thereof positioned around the peripheral edge of the cavity, and an outwardly bowed plate providing a closure for the said cavity in the cast body and positioned with the edge thereof in the rabbet of the ring and secured therein by spring in the plate.

2,496,715
THERMOSTATIC CONTROL MECHANISM
Kemper M. Hammell, Detroit, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application February 7, 1945, Serial No. 576,670
8 Claims. (Cl. 200—138)



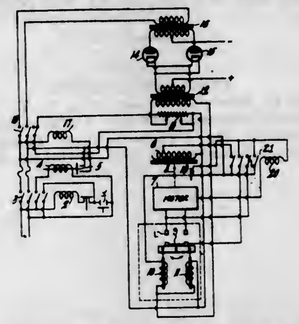
1. Thermostatic control mechanism for an electrically heated device whose temperature is to be controlled comprising a support, a bimetallic element mounted on said support and having an elongated edge presented and arranged for engagement with a surface of said device so that uniform contact will be maintained between said edge and said surface regardless of the degree of flexure of said element, a switch controlling member mounted for movement in response to deflection of said bimetallic element for operating a switch which controls the circuit of the means for heating said device, and yieldable means for biasing said edge for engagement with said device without offering any material resistance to the deflection of said bimetallic element.

2,496,716
SWINGING FRAME PORTABLE SAW
John W. Hanna, Chicago, Ill.
Application May 7, 1946, Serial No. 667,887
3 Claims. (Cl. 143—43)



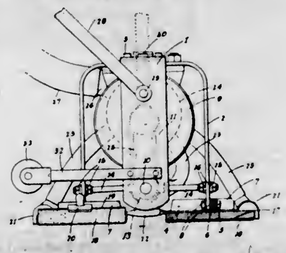
1. A portable power saw comprising a prime mover having a horizontal drive shaft, an elongated housing journalled to said prime mover for swinging movement around the axis of said drive shaft, a transverse driven shaft, journalled in the free end of said housing, power transmission means connecting said drive shaft to said driven shaft, a circular saw blade secured to said driven shaft, a semi-circular vertical plate secured to said prime mover parallel to the plane of movement of and adjacent to said housing, a guide element carried by said housing and slidably engaging the periphery of said semi-circular plate, and means for selectively securing said guide element at predetermined positions around the periphery of said plate.

2,496,717
MEANS AND METHOD FOR IMPROVING FILAMENT LIFE
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 13, 1949, Serial No. 98,842
13 Claims. (Cl. 315—106)



1. Apparatus for prolonging the life of thermionic tubes comprising in combination; a tube having a thermal electron emission surface; a voltage supply; means connected to said voltage supply thermally heating said surface; a differential relay having two windings and two contact sets operated by respective energization of said windings, one of said windings being energized by current from said heating means, the other of said windings being energized by voltage across said heating means, said contacts being adjusted so that one contact set is closed when heating power drops below a certain predetermined value thus causing less than required emission from said surface and the other contact set is closed when heating power exceeds a corresponding value; and circuits connected between said contact sets and said voltage supply correspondingly increasing or decreasing said heating power in accordance with said contact closing in a direction causing said heating power to remain constant.

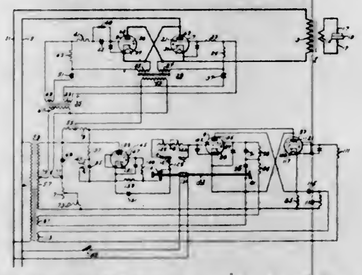
2,496,718
SANDER
Forist Harris, Merced, Calif., assignor to Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application November 30, 1946, Serial No. 713,278
9 Claims. (Cl. 51—175)



1. A floor sanding machine comprising a main frame, a mounting yoke of inverted U-shape secured to the main frame with the yoke legs spaced apart in the direction of travel, a sandpaper block disposed below each yoke leg, means

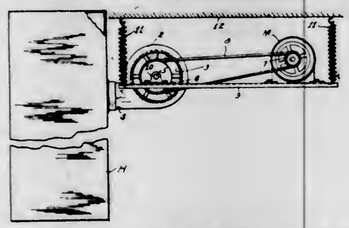
securing each block to the corresponding yoke leg, said legs being of spring metal whereby the blocks are mounted for limited reciprocating motion in said direction, an electric motor on the main frame, and means driven by the motor operative to horizontally reciprocate the blocks; said means including a motor-driven cross shaft, eccentric units on the shaft corresponding to the yoke legs, and connecting rods between the eccentric units and said corresponding legs.

2,496,719
CONTROL SYSTEM
Edward C. Hartwig, Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 22, 1946, Serial No. 692,400
12 Claims. (Cl. 315—246)



1. A control system for use in supplying current through an impedance member from an alternating voltage source, comprising electric valve means in circuit with said member across said source, a starting device, control connections actuable by said starting device to cause said valve means to be conductive following operation of said starting device and additional connections between said control connections and said member operable by the voltage developed across said member by current therethrough to cause said valve means to be non-conductive a predetermined time interval after operation of said starting device.

2,496,720
HEATER FAN MOUNTING
Sidney J. Heiman, St. Louis, Mo.
Application September 9, 1946, Serial No. 695,633
4 Claims. (Cl. 230—235)

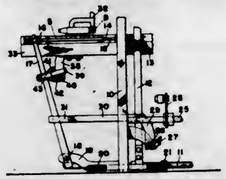


1. For use with a heater having an air blower fan casing, a rotary horizontal-axis fan in said casing and free of engagement therewith, a motor having a rotational axis parallel to and spaced from that of said fan and drivingly connected to the fan, a base member supporting said fan and motor, and tension springs connected to said base member for suspending and entirely supporting the latter from overhead.

2,496,721
RECTIFIER
Carl C. Hein, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 19, 1945, Serial No. 623,453
10 Claims. (Cl. 175—366)

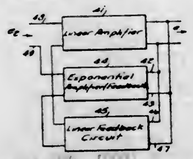
1. The method of providing contact surfaces for copper oxide rectifiers which comprises forming a uniform coating of cuprous oxide on the rectifier, subjecting the surface of the cuprous oxide to abrasion, and subjecting the abraded surface to chemical reduction.

2,496,722
PICKER STICK CHECK FOR LOOMS
Joseph J. Hemingway, Paxton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 17, 1946, Serial No. 662,819
6 Claims. (Cl. 139—169)



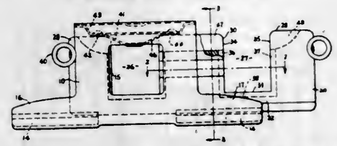
1. In a picker stick check for a loom having a lay and a picker stick moved in a given path along the lay by a shuttle, a flexible strap normally inclined toward said path and in the direction in which the picker stick is moved by the shuttle at a given acute angle, a pivot supported by the lay, resilient means around said pivot, and an arm movable angularly on said pivot, one end of the strap being connected to the end of the arm remote from the pivot and the other end of the strap being connected to said resilient means, said stick normally engaging said strap and upon boxing of the shuttle causing bending of the strap relatively to said arm and the latter thereafter moving angularly about said pivot to cause said strap to be disposed at an acute angle to said path less than said given acute angle.

2,496,723
LOGARITHMIC AMPLIFIER
John A. Hipple, Jr., Verona, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application April 27, 1944, Serial No. 533,093. Divided and this application October 22, 1946, Serial No. 704,853
2 Claims. (Cl. 250—27)



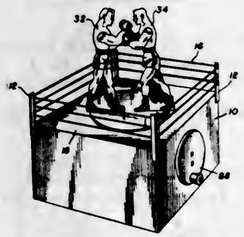
1. In combination, a linear amplifier having its output terminals connected in multiple with the input terminals of a second linear amplifier and also with the input terminals of an amplifier in which the output voltage is proportional to the exponential of its input voltage, and means for impressing on the input terminals of the first-mentioned amplifier a voltage equal to a desired input voltage minus the sum of the output voltages of said second amplifier and said third amplifier.

2,496,724
SLIDE CARRIER
John J. Host, Lincolnwood, Ill., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 4, 1947, Serial No. 752,411
4 Claims. (Cl. 88—28)



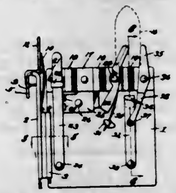
1. A slide carrier adapted to receive and transport transparent lantern slides or the like into a projection position in an associated slide projector, said slide carrier having a plurality of slide receiving apertures arranged in adjacent relation thereon, each adjacent a pair of apertures being so spaced relative to each other by an intermediate portion of said carrier that a slide in one aperture may be positioned in the projector for projection purposes while an adjacent aperture thereof is positioned so as to allow another slide to be placed in or removed from said adjacent aperture, and light transmitting means operatively carried by said intermediate portion of said slide carrier and arranged to extend between said adjacent apertures for transmitting light from the region adjacent one aperture to the region adjacent the other of said apertures.

2,496,725
SIMULATED BOXING TOY
Irwin Hotcavez, Chicago, Ill.
Application June 4, 1947, Serial No. 752,529
4 Claims. (Cl. 46—142)



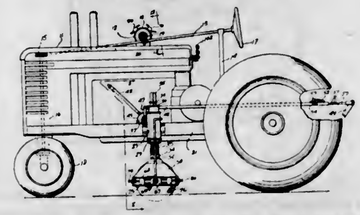
1. An amusement device comprising a simulated boxing ring having a floor, a plate, means for journaling said plate adjacent said floor, means for rotating said plate, figurines secured to said plate, simulated arms pivotally secured to said figurines, means for reciprocating said arms synchronously with the rotation of said plate, said journal means including a bracket, a shaft extending from said plate, means associated with said bracket for journaling said shaft therein, said arm reciprocating means comprising a cam secured to said bracket, a rocker arm pivoted to said shaft, cam follower rollers secured to said rocker arm and engaging said cam, levers pivotally mounted in said figurines, means secured to said rocker arm for actuating said levers, means associated with said levers for reciprocating said simulated arms, said plate rotating means including a drive shaft, means for supporting said drive shaft, and transmission means associated with said drive shaft and said first-mentioned shaft.

2,496,726
LOCKING HOLDER
Oles B. Jacobs, Melrose Park, Ill.
Application December 2, 1948, Serial No. 63,117
7 Claims. (Cl. 24—3)



1. A locking holder for implements including a base plate and a cover plate hinged thereto, supporting means for said holder mounted in said cover plate, guide plates on said base plate, implement supporting loops on said guide plates, and locking detents for said implements pivotally mounted upon said base plate.

2,496,727
AUTOMATIC ELECTRIC TRACTOR GUIDE
William C. Jenkins, Inglewood, Calif.
Application February 11, 1949, Serial No. 75,792
5 Claims. (Cl. 318—286)

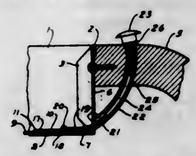


1. In a tractor, a steering shaft, an electric motor coupled to said steering shaft, bracket means secured to the tractor frame, a ground-engaging member movably secured to said bracket means, said ground-engaging member being oriented in a plane parallel to the intended longitudinal plane of movement of the tractor and engaging the soil at a substantial depth so that it resists turning movement, a pair of normally open contacts, one of said contacts being carried by said bracket means and the other contact being mechanically connected to said ground-engaging member, said contacts being engageable responsive to deviation of the tractor from its intended longitudinal plane of movement, and an energizing circuit, including said contacts, connected to said electric motor.

2,496,728
BATTER DISPENSER
Herman R. Laubhan, Inglewood, Calif.
Application September 30, 1946, Serial No. 700,243
3 Claims. (Cl. 107—52)

1. In a dispenser: a container having uniformly spaced apertures in its bottom, and adapted to

hold a viscous material to be dispensed; a slide valve controlling said apertures disposed in the container, the ends of the container extending below the slide to provide surfaces limiting movement of the slide between fully open and fully closed position; a handle carried by the con-



tainer; means on said handle having a curved passageway directed downwardly and toward the bottom of the container, and opening upwardly of the handle; and a rod extending through said curved passageway connected to the slide for operating it, and manipulated from the handle.

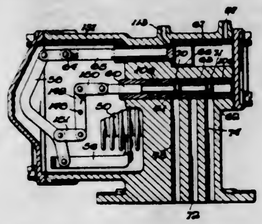
2,496,729

FLUID PRESSURE CONTROL

Samuel K. Lehman, Brooklyn, N. Y., and Donald M. Lawrence, Caldwell, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application November 29, 1941, Serial No. 421,082, now Patent No. 2,390,487, dated December 4, 1945. Divided and this application July 14, 1943, Serial No. 494,726

2 Claims. (Cl. 137—153)



1. In combination, a housing having a chamber, a compartment, a cylinder and a valve receptacle, an axially stationary rotatable member journaled by and having a screw in and operative from outside the housing, a wall axially movable in the chamber, and carrying a lever pivot mounting, a traveling nut held against rotation on the screw, a spring between the wall and the nut, bellows carrying the wall and extending therefrom to opposite ends of the chamber, means limiting opposite axial movements of the wall, conduit means communicating with the bellows at opposite sides of the wall, a piston in the cylinder between passageway means thereof, a valve axially movable in the valve receptacle carrying axially spaced valve members permanently disposed between relief channels of the receptacle and adapted to control fluid flow between a channel of the housing intermediate the valve members and channels of the housing at opposite sides of the intermediate channel, a shaft rotatable from the exterior of the housing extending laterally of the compartment journaled in a wall thereof and having an eccentric portion therein, a beam intermediately pivoted on the eccentric portion, a lever pivoted to the lever pivot mounting, a link pivotally connected to and between the lever and the beam at one side of the eccentric, a link pivotally connected to and between the valve and the beam at the other side of the eccentric, and a link pivotally connected to and between the piston and the lever.

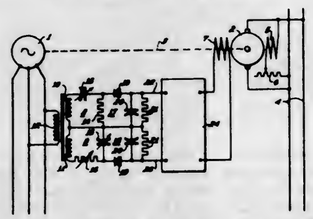
2,496,730

FREQUENCY SENSITIVE NETWORK

Simon L. Lindbeck, Wilkinsburg, and William O. Osbon, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 13, 1947, Serial No. 747,784

5 Claims. (Cl. 322—32)



1. A regulating system of the character described comprising, in combination, an alternating-current generator, a pair of circuits electrically connected respectively to said generator, each of said circuits having a resistance element and a reactance element connected in series together with an output circuit bridging one of said elements, said output circuits being arranged to bridge the resistance element in one of said first-named circuits and to bridge the reactance element in the other of said first-named circuits whereby the voltages fed to said output circuits will be equal at a predetermined frequency and will vary in opposite directions for frequencies above and below said predetermined frequency, and means responsive to a difference in the voltages in said output circuits for regulating the operation of said generator to maintain the frequency of the current generated thereby at said predetermined frequency.

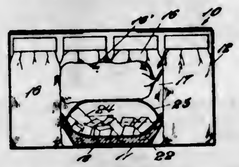
2,496,731

FRESH PRODUCE PACKAGE COOLED BY ICE

Anthony Longo, Cranston, R. I., assignor to M. Longo & Sons Inc., a corporation of Rhode Island

Application June 8, 1946, Serial No. 675,392

3 Claims. (Cl. 62—86)



1. A fresh produce package comprising a container having a peripheral wall, a plurality of individual bags of produce arranged along the inner surface of said wall, and a sealed bag of waterproof material containing ice and located within said plurality of bags and housed in thereby, a waterproof open dish within which said bag of ice rests, said dish resting on the bottom wall of said container and an additional bag of produce resting on said sealed bag of ice.

2,496,732

QUICK DISCONNECTOR FOR ELECTRICAL SYSTEMS

Kenneth E. Lyman, Lake Forest, Ill., assignor to Tucker Corporation, Chicago, Ill., a corporation of Delaware

Application March 1, 1947, Serial No. 731,778

2 Claims. (Cl. 173—328)



1. In a harness of the character described, an open face shallow panel having a cable chamber and a plurality of stalls communicating therewith, a U-shaped spring contact in each of said stalls, each of said contacts having a pair of legs with one of said legs projecting beyond the open face of the panel, and closure means for said cable member, said closure means including a flange projecting partially over the stalls and engaging the projecting legs of said contacts to maintain the contacts in assembled relation in their respective stalls.

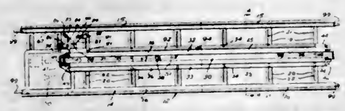
2,496,733

MECHANISM FOR ROLLING BABY CARRIAGES AND THE LIKE

George W. Mackie, Scranton, Pa.

Application January 2, 1948, Serial No. 96

3 Claims. (Cl. 74—27)



1. In direction reversing mechanism for use in connection with a connecting part which couples driving means with a carriage traveling upon a track, the combination with the connecting part of a rod extending longitudinally of the track, pins secured to the rod and arranged upon opposite sides of the connecting part to be shifted thereby, a pair of driving gears, driving connecting means for the driving gears to rotate them continuously in opposite directions, a shiftable gear connected with the rod to be moved alternately axially into engagement with one driving gear and out of engagement with the other driving gear, and a driven gear permanently engaging the shiftable gear and serving to operate the driving means coupled with the carriage.

2,496,734

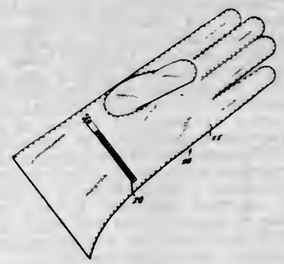
POCKET GLOVE

Margaret W. Macreadie, Winnipeg, Manitoba, Canada

Application May 2, 1947, Serial No. 745,404

1 Claim. (Cl. 2—160)

In a glove comprising a back portion and a palm portion provided with a transverse slit and a thumb aperture, the said back and palm portions being joined together by side stitching and finger stitching, two superposed pieces of material of substantially identical width as the glove and provided with coinciding thumb apertures, stitching along three sides of the pieces of material to form a pocket with an open mouth adjacent to the transverse slit, the said pocket being secured to the back and palm portions by the side stitching and positioned within the glove with the thumb aperture in the pocket coinciding with the thumb aperture in the palm portion, a continuous row of stitching extending substan-



tially entirely around said coinciding apertures for securing the pocket to the palm portion adjacent to the thumb, and a slide fastener secured within the transverse slit of said palm portion and stitched to the open mouth of the pocket.

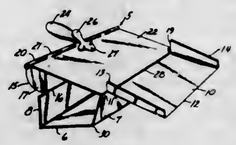
2,496,735

COVERED DUSTPAN

Walter Francis Malone, Longview, Wash.

Application June 18, 1948, Serial No. 33,855

1 Claim. (Cl. 65—20)

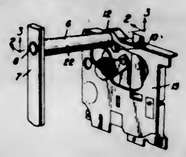


A covered dust pan comprising a horizontally disposed bottom, vertically disposed front and rear walls arranged in parallel spaced relation with respect to each other and fixedly carried by said bottom, a downwardly inclined tray extending forwardly from said front wall and having one edge rigidly secured to the upper edge of said front wall, the lower edge of said tray being disposed in the same plane as said bottom, a dust catcher comprising a horizontally disposed arcuate cup member having an end wall positioned adjacent one end thereof and rigidly secured to said cup member, said dust catcher being arranged above and rearwardly of said rear wall and fixedly secured to the latter, another end wall extending across the other end of said arcuate cup member and the adjacent ends of said front and rear walls and fixedly secured to said arcuate member and said front and rear walls, a cover positioned in a plane parallel to said downwardly-inclined tray and having one side edge pivotally secured to the uppermost side edge of said arcuate cup member for swinging movement about same as a horizontal axis, the other side edge of said cover normally resting upon the front wall, manually actuable means on said cover for effecting said swinging movement, and the end of said bottom, front and rear walls adjacent said first-mentioned end wall of said arcuate cup member being extended so as to form a pouring spout.

2,496,736
MANUFACTURE OF PRECIPITATED SILICA
William T. Maloney, Clinton, N. Y.
No Drawing. Application October 10, 1942, Serial No. 461,629
5 Claims. (Cl. 23—182)

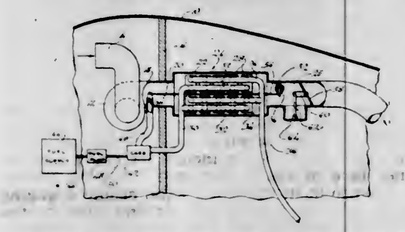
1. The process of preparing precipitated silica in the form of an amorphous, fine, granular product characterized by high oil adsorptivity, which comprises bringing an alkali metal silicate into contact with sulfuric acid in an aqueous solution, the proportions and concentrations of alkali silicate and sulfuric acid brought into said solution being at least 204 grams of sodium silicate, calculated as $Na_2O.3.36\ SiO_2$, and 38 grams of H_2SO_4 per liter of the solution, subjecting the reaction mixture to vigorous agitation while maintaining a temperature of at least 120° F. in the reaction zone and thereby causing precipitation of the silica and formation of alkali metal sulfate, and thereafter separating the silica from the sulfate, and drying the silica.

2,496,737
FLUSH TYPE DOOR HANDLE
William P. McCallick and Ygnacio L. Sanchez, Los Angeles, Calif.
Application September 4, 1947, Serial No. 772,030
5 Claims. (Cl. 292—1)



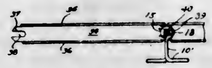
1. A flush type door handle for vehicle door latches comprising a latch actuating shaft anchored at its inner end to a door, a handle, a hollow shank for said handle slidably mounted on said shaft, a push button extending through said handle slidably mounted in said hollow shank, a locking stud supported by said shaft in engagement with said shank, and means connected with said push button for releasing said locking stud from engagement with the shank.

2,496,738
HEATER
Henry J. De N. McCollum, deceased, late of Chicago, Ill., by Thelma McCollum, executrix, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Original application January 15, 1943, Serial No. 472,458. Divided and this application November 5, 1945, Serial No. 626,684
5 Claims. (Cl. 237—2)



1. In a heating apparatus for airplanes and the like, the combination of an internal combustion type heating unit assembly, a casing surrounding said assembly, a source of air under pressure, a conduit for supplying air from said source to said casing, a liquid fuel and air mixing device for supplying combustible mixture to said assembly, a conduit for supplying air from said source to said mixing device, an exhaust pipe for conveying the products of combustion from said assembly, a conduit for conveying heated air from said casing to the space to be heated, and means comprising a flow restriction in said last named conduit immediately adjacent said casing, said restriction means providing the major flow restricting element in said conduit and being constructed and arranged to maintain the pressure in said casing above the pressure in the interior of said assembly to prevent the products of combustion from leaking into the air being heated and to supply combustible mixture to said assembly under substantially all conditions of operation in the proper amount to heat the air to the desired temperature.

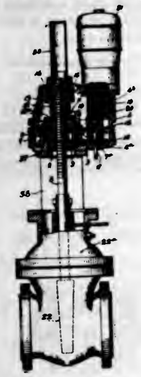
2,496,739
HIGHWAY-RAILWAY GRADE CROSSING
William J. Montgomery, Lakewood, Ohio
Application May 15, 1946, Serial No. 669,899
1 Claim. (Cl. 238—8)



In combination with railway rails and individually movable ties carrying the rails and fixed thereto, rigid supporting members secured rigidly to the ties, and a plurality of rigid metal elements having their entire top surfaces permanently substantially flush with the tops of the rails, thereby being adapted to support highway crossing traffic without substantial deflection of the elements while rejecting water from the traffic supporting area thereby presented, said elements bridging the ties longitudinally of the rails, each element having a sliding connection with the supporting member of an adjacent element whereby to enable horizontal relative movement of said elements, said sliding connections also securing the elements and supporting members together in a manner to prevent substantial vertical relative movement of said elements and the associated supporting members.

2,496,740
HYDRAULIC VALVE OPERATING MECHANISM
Carl Morey, Hamilton, Ohio, assignor to Economy Pumps, Inc., Hamilton, Ohio, a corporation of Illinois
Application September 4, 1945, Serial No. 614,273
4 Claims. (Cl. 74—424.8)

1. In an apparatus of the class described, a threaded valve stem, a housing surrounding said stem and having a laterally offset portion, said housing having a base with an upwardly extending bearing collar surrounding said stem, a gear loosely mounted upon said stem and having a hub portion extending within said bearing collar, antifriction bearings between said bearing collar and hub, said gear having a depending skirt portion with teeth surrounding said bearing collar, a threaded member on said stem above said gear, said member and gear having coacting impact producing lugs, means for anchoring said member against axial movement, the offset portion of said housing having a fluid chamber, a hydraulic motor mounted in said chamber and operatively connected to said gear, the lower portion of said housing constituting an oil reservoir

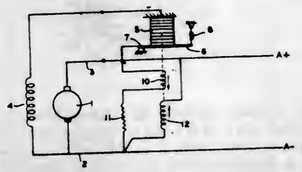


extending from said motor to said antifriction bearing and means for supplying fluid to said motor.

2,496,741
2-METHYL-4-KETO-1,3-BENZOTHIOXANE
Howard K. Nason and David T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 19, 1946, Serial No. 677,913
5 Claims. (Cl. 260—327)

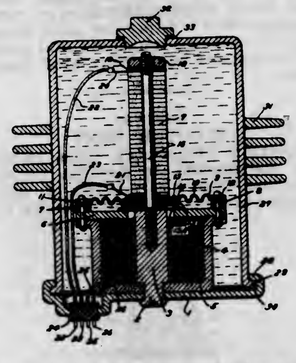
1. 2-methyl-4-keto-1,3-benzothioxane.

2,496,742
TEMPERATURE COMPENSATED REGULATOR
William Greene Neild, Warren Point, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application February 1, 1946, Serial No. 644,800
5 Claims. (Cl. 323—95)



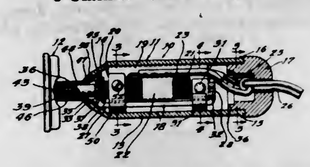
1. An electromagnet comprising a main winding formed of a material having a relatively high positive temperature coefficient of resistance, a resistor connected in series with said main winding and having a relatively low temperature coefficient of resistance, an auxiliary winding shunted across said main winding and resistor and formed of a material having a relatively high positive temperature coefficient of resistance, a ferromagnetic core, and said main and auxiliary windings wound about said core, and armature cooperating with said core, and said main and auxiliary windings so arranged in relation to said core that said auxiliary winding tends to counteract in part only the magnetic force applied by said main winding, the counteracting magnetic force applied by said auxiliary winding decreasing with increase in temperature and of a value sufficient to substantially compensate for changes in the electromagnetic force applied by said main winding due to temperature change.

2,496,743
ELECTRIC REGULATOR
William Greene Neild, Warren Point, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application February 1, 1946, Serial No. 644,801
6 Claims. (Cl. 201—51)



1. An electric regulator comprising an electromagnet including a core and an electromagnetic winding about said core, an armature operated by said electromagnet and cooperating with said core, a spring member opposing movement of said armature by said electromagnet, an electric resistance pile including a pile assemblage of resistance elements, a stud extending through said assemblage and fixedly mounted at one end to said core, said stud extending through said armature and spring member, said pile assemblage operably connected at one end to said armature, and a member positioned at the other end of said stud for securing said pile assemblage at its other end.

2,496,744
RAZOR MOTOR CASING
Peter C. Neilsen, Chicago, Ill.
Application December 14, 1946, Serial No. 716,250
3 Claims. (Cl. 172—126)

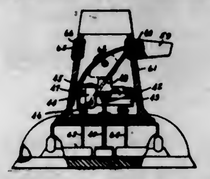


1. A razor of the class described comprising an elongated casing having an open end, a motor in the casing adapted to slide through the open end of the casing, and means holding the motor fixed in the casing without penetrating through the walls of the casing including a groove in the inner face of the casing, means on the motor adapted to fit in the groove, and casing engaging means on the opposite side of and fixed to the motor and slidably engaging the inner face of the casing so as to hold the motor in fixed position in the casing.

2,496,745
SUSPENSIONS OF CHLORINATED MATERIALS AND METHODS OF MAKING THE SAME
Harry S. Olson, Painesville, Ohio, assignor to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application October 9, 1946, Serial No. 702,088
5 Claims. (Cl. 260—28.5)

1. The method of forming a stable aqueous dispersion of solid, highly chlorinated, paraffin containing at least 65% of chemically combined chlorine, which includes the steps of combining said material with a dispersing agent comprising polyvinyl alcohol and subjecting said mixture to milling to suspend said chlorinated paraffin in the water.

2,496,746
ELECTRIC IRON
Roy Opperman, Miamisburg, Ohio, assignor, by mesne assignments, to Radiron Corporation, Miamisburg, Ohio, a corporation of Ohio
Application November 4, 1944, Serial No. 561,848
10 Claims. (Cl. 219—25)



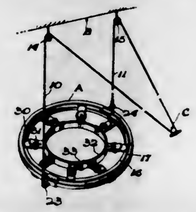
1. An electric hand-iron including in combination, a sole-plate, an electric heating element for heating said sole-plate, a handle connected with said sole-plate, a thermostatically actuated switch mounted within said handle for controlling the heating element, a thermostatic actuator therefor disposed adjacent said sole-plate, reciprocatory motion transmitting means interposed between the thermostatic actuator and the control switch but unattached to either, said motion transmitting means being guided in its movement by a portion of the handle, and means carried by said handle for changing the temperature response of said switch.

2,496,747
DISPLAY SIGN
Edwin T. Peterson, Des Moines, Iowa
Application January 22, 1946, Serial No. 642,663
1 Claim. (Cl. 40—142)



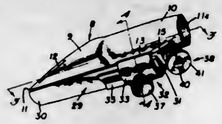
In association with a transparent window panel having inner and outer surfaces, a display device comprising in combination, a suction cup adhering to the inner surface of said panel, a plate-like member having the configuration of an advertising character, said member being vertically disposed immediately adjacent said inner surface, an upper end portion of said member being inwardly offset and formed with an aperture, said upper end portion constituting a visible component and contributing to the exterior appearance of said character, and an inwardly projecting pin provided on said suction cup, said pin being secured in said aperture whereby said character depends from said cup.

2,496,748
APPARATUS FOR TEACHING ACROBATICS
Charles P. Pond, Dallas, Tex.
Application June 12, 1947, Serial No. 754,308
7 Claims. (Cl. 35—29)



2. Apparatus for teaching acrobatics, comprising a unit adapted to be secured to the waist of a student, said unit including an inner belt portion for gripping the waist of the student and an outer portion including a pair of concentric rings rotatably movable with respect to each other, means for connecting the inner ring of said concentric rings to said belt portion, and means on the outer ring for receiving an instructor's suspending connection.

2,496,749
MICROMETER-TYPE ADJUSTABLE SAXOPHONE MOUTHPIECE
Leo R. Reddick, Seattle, Wash.
Application March 10, 1947, Serial No. 733,635
8 Claims. (Cl. 84—383)

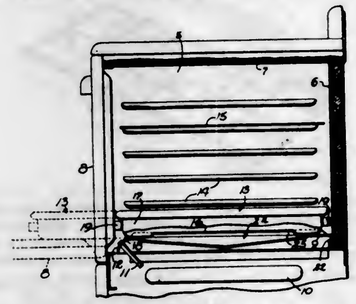


1. As a new article of manufacture and a component part of a reed instrument mouthpiece of the class described, a mouthpiece proper comprising a tubular body externally tapered to assume general conventional configuration at the usual tip end and having a neck at the opposite end, the last named end of said body having a pronounced boss, being axially elongated and said boss having a cavity and terminating at the neck end in an abutment oblique to the longitudinal axis of the body.

2,496,750
COOKSTOVE
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application October 19, 1945, Serial No. 623,379
2 Claims. (Cl. 126—22)

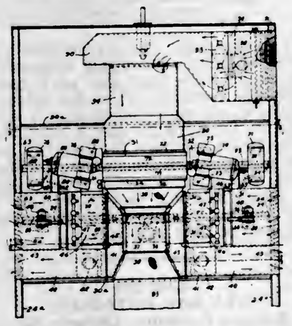
1. In a cookstove having an oven compartment, a sheet metal plate forming the bottom

of the oven, a burner underlying said bottom plate, said plate being formed with a generally rectangular depression bordered on all sides by a flat marginal portion disposed in a horizontal plane, a sheet metal pan having upright side walls joined to a generally flat bottom wall by rounded corner portions, said bottom wall serving when resting on the flat marginal portion of said plate to form therewith an insulating air



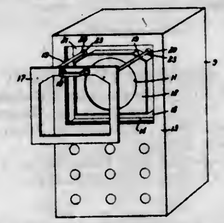
space between said burner and the oven, said bottom wall having its central portion offset upwardly to form a rectangular liquid collecting well about the central portion of the pan and to increase the thickness of said insulating air space, and guide members on said plate complementally shaped with respect to the corner portions of said pan and engageable therewith to hold the pan in a predetermined position within the oven.

2,496,751
AIR CONDITIONING APPARATUS FOR RAILWAY CARS
Irving S. Ritter, Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1947, Serial No. 725,471
4 Claims. (Cl. 62—117)



2. Air conditioning apparatus for a passenger vehicle, comprising spaced rails extending transverse the vehicle, supporting means slidable from one side of the vehicle along the rails, a refrigerant condenser mounted on said supporting means, other supporting means slidable from the other side of the car along said rails, and a refrigerant condenser mounted on said other supporting means.

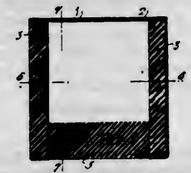
2,496,752
LIGHT SHIELD FOR OSCILLOSCOPES, TELEVISION RECEIVERS, AND THE LIKE
Joseph K. Rose, Chicago, Ill.
Application September 12, 1946, Serial No. 696,592
7 Claims. (Cl. 178—7.5)



1. In a television receiver, oscilloscope or the like, including image exhibiting means and a cabinet for said image exhibiting means, a frame through which said image exhibiting means can be viewed, elongated rigid means movable into and out of said cabinet for supporting said frame in variable spaced relation with respect to said image exhibiting means, universal joint means operatively interconnecting said elongated rigid means and said cabinet universal joint connecting means between the outer extremity of said elongated rigid means and said frame whereby said frame is movable in three planes at right angles to each other to permit viewing of said image exhibiting means from any of a wide range of positions relative to said cabinet, and collapsible means interconnecting said frame and said cabinet and forming a light shield around the space between said frame and said image exhibiting means in whatever position the former may be placed.

2. The invention as set forth in claim 1 wherein said universal joint means includes a ball and socket member and said elongated rigid means is movable through the ball member of said universal joint means.

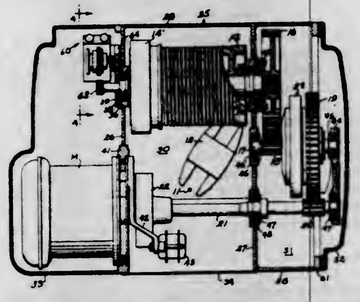
2,496,753
METHOD OF MAKING RECTANGULAR FLAT BAGS
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application February 6, 1946, Serial No. 645,757
1 Claim. (Cl. 93—35)



The method of making a rectangular flat bag including the steps of forming two sheets of flexible heat sealable material of the same length but of different widths, superimposing the narrower sheet on the other with the longitudinal marginal portions of the wider sheet extending beyond the corresponding edges of the narrower sheet, simultaneously subjecting only the longitudinal marginal zones and one transverse marginal zone of the narrower sheet to heat and pressure to seal said sheets directly together along said marginal portions, thereafter folding

said longitudinal marginal portions of the wider sheet inwardly around the corresponding edge and over the exposed side of the narrower sheet, and then subjecting the sheets to heat and pressure along said longitudinal marginal portions to seal the latter to said exposed side of the narrower sheet.

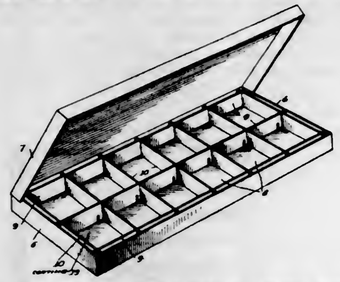
2,496,754
SUSPENDED TYPE HOIST
Christopher Henry Schramm and Ralph E. Smith, Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application September 8, 1945, Serial No. 615,168
3 Claims. (Cl. 254—168)



1. In an electric hoist, in combination, a hoisting drum, a sheet metal shell forming a housing for said drum, a pair of metal plates extending transversely across said shell in parallel spaced relation and having their marginal edges welded to the shell to form therewith a rigid unitary structure, bearings carried by said plates rotatably supporting said drum, means for supporting the hoist including a pair of T-shaped load carrying members extending through said shell and having their oppositely directed arms welded to the respective transverse plates, a load hook including a pulley block, a cable having one end wound on said drum and the other end reeved through said pulley block and anchored directly to one of said load carrying members, an electric motor supported on one of said transverse plates, speed reduction gearing drivingly connected with said drum and supported in part by the other of said transverse plates, and a shaft operatively connecting said motor and said gearing, said motor and said gearing being located on the outer faces of said plates so as to effectually balance the hoist, and said shaft being spaced laterally from said drum to provide clearance for the pulley block.

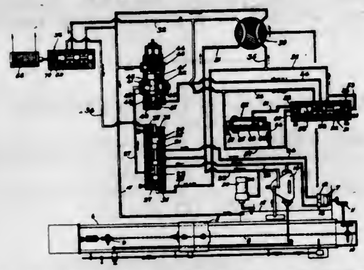
2,496,755
FROZEN EGG METHOD AND CONTAINER
Louis Schwartzberg, Chicago, Ill.
Application April 9, 1945, Serial No. 587,292
3 Claims. (Cl. 99—196)

1. That improvement in processing eggs preparatory to use which comprises first taking a carton having the interior thereof divided into comparatively shallow, side by side compartments by way of partitions having the inner surfaces thereof coated with wax-like non-adhering material and provided in the bottom portions thereof with small sized openings to effect communication between the bottom portions of the compartments, and introducing into each compartment the white and unbroken yolk of an egg, then permitting the carton to stand until the whites of the eggs in the compartments by flow via the openings in the partitions adjust them-



selves so that the upper surfaces thereof are at a common level, and then subjecting the carton to a freezing temperature in order to solidify the whites and yolks of the eggs in the compartments.

2,496,756
CONTROL SYSTEM FOR HYDRAULICALLY DRIVEN MACHINE TOOL ELEMENTS
Earnest Y. Seborg, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application May 26, 1943, Serial No. 488,575
8 Claims. (Cl. 121—45)

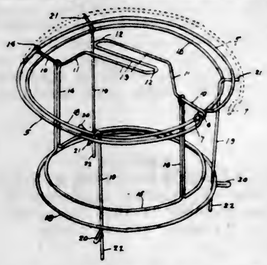


4. The combination with a reversible hydraulic motor having ports connectible alternately with a source of pressure fluid and an exhaust line, of a shiftable reversing valve for effecting the connections to the ports selectively, a stop valve connected in the exhaust line, a pilot valve operative to direct pressure fluid to the reversing valve for shifting purposes and to said stop valve for setting the same, and a control valve shiftable in timed relation to the shifting of said reversing valve for controlling the delivery of pressure fluid to said stop valve.

2,496,757
URN BAG RETAINER
Edward H. Sieling, Chicago, Ill.
Application September 6, 1946, Serial No. 695,232
1 Claim. (Cl. 210—162)

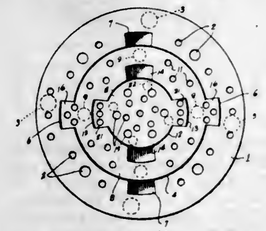
The combination of an open frame having an upper ring portion and a lower ring portion, radially extending shoulders on the lower ring portion of said frame adapted to be disposed upon the rim of an urn bag jar; lateral supporting elements at the upper ring portion of said frame extending radially therefrom, a bag ring adapted to receive an urn-bag disposed upon said

frame and resting upon said lateral supporting elements, a bag spreader ring disposed normally in the lower ring portion of said frame below said bag ring, and upright rigid means connecting said



spreader ring to said bag ring whereby said bag ring, said spreader ring and the bag are adapted to be bodily removed as a unit from said frame.

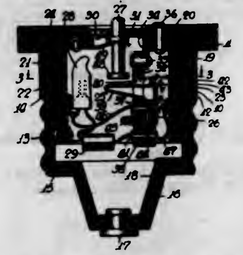
2,496,758
ADJUSTABLE HOLDER FOR CUT FLOWERS
Iva R. Tingley, Santa Barbara, Calif.
Application August 15, 1947, Serial No. 768,819
8 Claims. (Cl. 47—41)



2. An adjustable holder for cut flower stems comprising a first member formed with a central opening having relatively deep recesses formed in its sidewalls extending for a substantial vertical distance therein, and relatively shallow recesses in its sidewalls between said deep recesses, said recesses opening through the top of said first member, and a second member shaped to seat within said central opening of said first member having laterally outwardly projecting lugs engageable in said deep recesses to support said second member non-rotatably in a relatively depressed position with respect to said first member and engageable in said shallow recesses to support said second member non-rotatably in a relatively elevated position with respect to said first member, said second member being formed with a central opening formed with similarly relatively deep and relatively shallow recesses in its sidewalls, and a third member shaped to seat within the central opening of said second member having laterally projecting lugs optionally engageable with said deep and said shallow recesses to support said third member in depressed and elevated positions, respectively, relative to said second member.

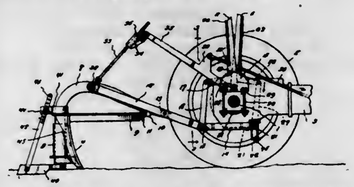
2,496,759
CIRCUIT BREAKER
Adolph Warsher, Maywood, N. J.
Application January 11, 1945, Serial No. 572,296
6 Claims. (Cl. 200—121)

1. A circuit breaker comprising a fuse plug casing having a central and a screw shell contact, a cover, a bracket affixed to the inner wall of said cover, an insulating plate affixed to said bracket and depending into said casing at a distance from the lateral wall thereof and having a window opening therein, a movable spring contact strip and a bimetallic catch element both affixed at the lower ends thereof to the same side of the insulating plate, the spring contact strip



presenting a loop extending through said window to the face opposite the side on which the contact strip and catch element are affixed, the free end of said spring contact strip being maintained in depressed position by said catch, and a central reset button in said cover, spring urged upward through the cover, registering at its lower end with the looped portion of said spring contact strip and adapted to reset the same.

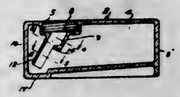
2,496,760
GRADING APPARATUS
Harold R. Watson, Victorville, Calif.
Application April 16, 1946, Serial No. 662,468
2 Claims. (Cl. 37—159)



1. The combination with a power-operated tractor having a rear axle housing; of grading apparatus comprising a beam having a downwardly-extending rear-end portion providing an arbor for a scraper blade bearing, a pair of forwardly-divergent arms rigidly secured at their rear end portions to said beam, a transverse rod disposed below the tractor rear axle housing, means securing said rod to the tractor rear axle housing for vertical movement of one end of said rod relative to the housing, respective links connecting the forward ends of said divergent arms to the corresponding ends of said rod to provide a towing connection between said beam and said tractor, a cylindrical bearing journaled on said beam arbor, a scraper blade secured to said bearing substantially at the mid-length portion of the rearward side of said beam, a partly-circular rack secured at its ends to the opposite ends of said blade, means operatively securing said rack to said beam ahead of said blade to hold said blade in adjusted, angular position relative to said beam, a pair of manually-operated levers mounted on the tractor rear axle housing, means operatively connecting one of said levers with the movable end of said rod for raising and lowering the corresponding end of said blade, means

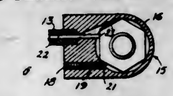
operatively connecting the other of said levers to the forward end of the corresponding diverging arm to incline said blade forwardly and rearwardly to vary the operating depth thereof, lever means pivotally connected to the tractor rear axle housing and extending rearwardly therefrom above said beam, means adjustably connecting the rearward end of said lever means to the rearward end portion of said beam, and power-operated means carried by the tractor and operatively connected with said lever means to raise and lower said scraper blades.

2,496,761
INK CONTAINER
William V. Werner and Henry H. Heimer, Phoenix, Ariz.
Application October 5, 1946, Serial No. 701,450
6 Claims. (Cl. 120—71)



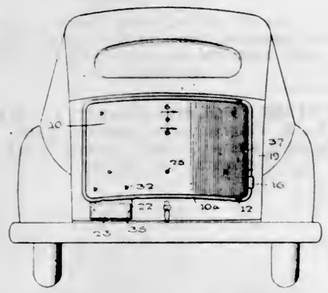
1. In an ink container, as herein disclosed, having a rectangular hollow body and a recess in one face adapted to receive a closing plug, and a pen opening in the bottom face of said recess, a pen tube and guide extending angularly into the interior of said container from said opening comprising a tubular upper portion and a semi-circular guide on the upper side of the lower portion and a lip formed in the lower angular side at the termination of the tubular portion and extending into said tubular portion to form a pen holder stop.

2,496,762
NUT STARTING WRENCH
Cyril J. Weyrauch, Ray, N. Dak.
Application November 8, 1945, Serial No. 627,304
3 Claims. (Cl. 81—125)



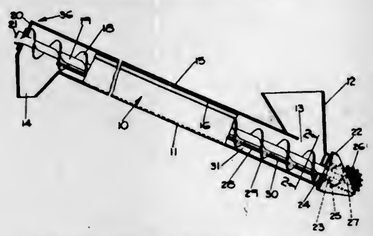
1. A nut starting wrench of the class shown and described comprising a head including a block-like body portion and a complemental ring-like member to surround a nut which is to be started and turned, said ring-like member being provided wholly around one marginal edge portion with an inturned annular abutment flange adapted to rest upon the stated nut, said ring-like member being adapted to surround the nut, said block-like body portion being provided, along an extension of a chord of the ring-like member, with a passage opening at its inner end into the space surrounded by the ring-like member and opening at its outer end through a marginal edge portion of said body portion, said passage being screw-threaded at its outer end, a spring-pressed detent ball mounted and retained for operation in said passage, said ball being located at the inner end of the passage and projecting into said space, a screw-plug threaded into the outer end of said passage and retaining said detent ball in place in the passage, a horizontal bore also formed through said body portion and opening at its inner end into said space and opening at its opposite outer end through said body portion, said bore being parallel to but circumferentially spaced from said passage, handle means disposed at right angles to and rigidly connected with said body portion and spring-retracted, manually projected plunger means embodied in said handle means and including a nut engaging and turning wire, the latter having an end portion reciprocable in said bore and projecting, in a plane parallel with said flange, into said space, whereby a free end of same may be utilized to turn a nut when the latter is confined in said ring-like member with said abutment flange resting on the nut.

2,496,763
DISPLAY CARD HOLDER FOR AUTOMOBILES
William E. Whaley, Louisville, Ky.
Application October 23, 1946, Serial No. 705,134
1 Claim. (Cl. 40—129)



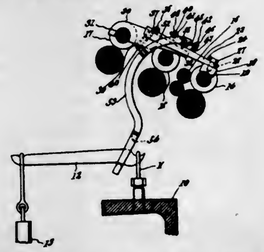
A poster-card holder for automotive vehicles, comprising a relatively rigid, slightly curved, generally rectangular panel member having its periphery turned in to form an integral annular frame of channel cross-section adapted snugly to receive a narrow marginal portion of a paperboard display card, one end of said panel member being provided with a break-out outboard gate section made up of an outboard flange of channel section and partial portions of the outboard flanges of two adjacent channel sections which latter are respectively hinged to the panel member along a common axis, said gate section being swingable outwardly from said panel member, means for securing said swingable gate section in closed position consisting of a locking lever pivoted to said panel member and provided with a turned-in finger gripping portion and an opposed, integral, turned-in gate engaging portion, both portions being of the same configuration reinforcing angle iron members mounted on the inboard panel surface and partially overlying that part of the panel surface opposite said gate section, an aperture in said panel section lying between said reinforcing members and the adjacent channel section for facilitating removal of a card from the channel sections, means for mounting the poster-card holder to a panel of an automobile luggage compartment consisting of a plurality of bolt and variable spacer means, to provide adjustable positioning of the panel member to accommodate various curvatures of luggage compartments, license plate holder mounted on one of the lower corners of said panel member, and license plate illuminating means mounted near the top of said license plate holder and, when in position assembled with said panel member, being protected and hidden from normal view by the overhanging edge of said panel member.

2,496,764
SCREW CONVEYER
Paul V. Whitney, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application March 29, 1946, Serial No. 658,262
2 Claims. (Cl. 198—213)



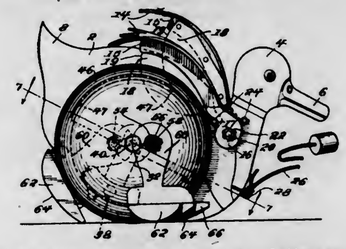
1. A screw conveyer adapted to convey objects upwardly which tend to roll including in combination a casing having inlet and discharge openings, a power driven worm in said casing, a longitudinally and inwardly extending abutment extending between said inlet and discharge openings parallel to the axis of said worm and extending inwardly of said casing and adjacent the outer edge of said worm, said abutment cooperating with said casing and worm for forming pockets into which objects being conveyed are directed and moved by said worm toward said discharge opening, and means for rotating said worm in a direction whereby bottom peripheral portions of said worm move toward said abutment and whereby frictional contact between said worm and objects in the bottom of said casing moves said objects against said abutment.

2,496,765
SADDLE, STIRRUP, AND BEARING CONSTRUCTION FOR SPINNING OR ROVING FRAMES
Charlton H. Williams, Columbus, Ga., assignor to Eula W. Williams, Columbus, Ga.
Application August 31, 1945, Serial No. 613,832
6 Claims. (Cl. 19—136)



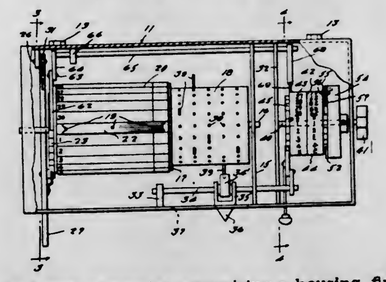
1. In spinning, roving and the like frames, in combination with a roll stand, a pressure device comprising a saddle having a rear slotted portion, a front bearing immovably carried by the forward portion of said saddle, a rear bearing block having a plurality of diagonally disposed internally threaded openings vertically therethrough, a threaded headed bolt selectively engaged with the threads of one of the series of threaded diagonal openings with the head upstanding in spaced relation above the upper end of the rear bearing block, the upper portion of the bolt extending through the slot in the saddle and said head lying in spaced relation above the saddle and being wider than the saddle slot, said bolt and openings providing a vertically adjustable and selective fulcrum above said rear bearing block on which the slotted rear portion of the saddle fulcrums, and means for imposing weight on the intermediate portion of the saddle.

2,496,766
WHEELED ANIMAL WALKING TOY
Burris D. Wood, Dallas, Tex.
Application July 2, 1946, Serial No. 681,007
8 Claims. (Cl. 46—105)



1. A toy comprising a body simulating an animal figure, hemi-spherical wheel sections rotatably mounted in the body, depending rear limbs eccentrically journaled in the wheel sections, fore limbs pivotally mounted in the body, and trip pins peripherally spaced on the wheel sections to periodically elevate the fore limbs and to release the fore limbs to permit lowering thereof by gravity and the rear limbs are longer than the shortest distance between the eccentric journal of the limbs and the periphery of the wheel sections so that oscillation of the toy is caused as it is moved forward.

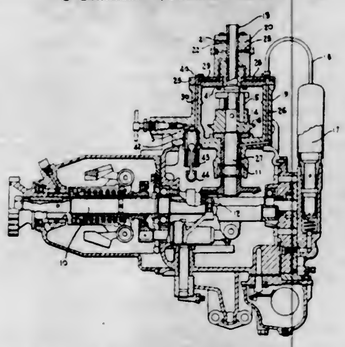
2,496,767
TEST DEVICE
Oswin E. Zuercher, Hatfield, Pa.
Application June 10, 1947, Serial No. 753,616
2 Claims. (Cl. 35—48)



1. A quiz apparatus comprising a housing, first support means in said housing, a drum journaled in said first support means, means for securing a test sheet to said drum, a plurality of pegs adjustably secured to the drum and projecting radially therefrom, means for rotating the drum step-by-step through successive position to a final position, corresponding to the successive and final questions on the test sheet, a member pivotally secured to the housing adjacent the drum for rotation around an axis parallel to the drum axis, means for longitudinally adjusting said member so as to be aligned with and engageable by a peg

responsive to the step-by-step rotation of the drum, second support means in said housing, a rotary element carrying consecutively arranged numerical indicia at its periphery, means for rotating said rotary element through an angle corresponding to the space between adjacent indicia responsive to the engagement of said member by a peg, manual means for reversing the rotary member to reset it to a starting position, and means for automatically resetting said drum from its final position to its starting position responsive to the reverse movement of the rotary member to its starting position, the movement of the drum from its final position to its starting position being in the same direction as its successive step-by-step movement.

2,496,768
FUEL DISTRIBUTOR FOR DIESEL FUEL PUMPS
Floyd Lester Bartram, El Monte, Calif.
Application March 17, 1947, Serial No. 735,271
3 Claims. (Cl. 123—138)



1. A fuel distributor for Diesel engines comprising a distributor cap having an axial bore therethrough and outlets terminating on walls of said bore adapted to be connected to cylinders of the engine, a sleeve rotatable in said bore, an inlet from a fuel pump terminating on said bore, a passage in the cap adapted to be connected to a metering cylinder, there being a series of circumferentially spaced longitudinal grooves on the sleeve arranged to sequentially pass the inlet from the fuel pump and a single circumferential groove on the sleeve with which said grooves communicate and arranged opposite the end of the passage leading to the metering cylinder, and a longitudinal distributing groove on the sleeve communicating with the circumferential groove and arranged on the opposite side of the circumferential groove from the mentioned grooves to traverse the outlets to the cylinders only during periods when the inlet from the fuel pump is not opened by any of the first-mentioned grooves.

2,496,769
PROTECTING DEVICE AGAINST RAIN, SUN, FLIES, AND THE LIKE
Turner R. Battle, Philadelphia, Pa.
Application January 16, 1947, Serial No. 722,363
1 Claim. (Cl. 135—22)

In a device for protection against rain, sun, flies and the like which comprises a hollow umbrella staff provided with longitudinal slots, the combination of a runner slidable within said staff and pivotally connected to umbrella ribs which carry a foldable cover by means of stretchers that are extended through said longitudinal slots, resilient means connecting the upper portion of said runner to the top of said staff and adapted to pull the runner towards said top, and a string extended from the lower portion of said runner through the lower portion of said staff.



2,496,770
FLEXIBLE MOUNTING
John R. Bennett, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 4, 1945, Serial No. 614,162
6 Claims. (Cl. 248—358)

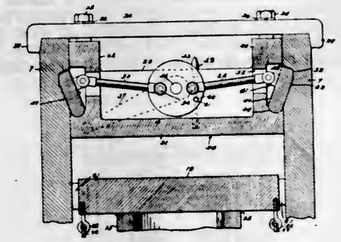


1. A flexible mounting comprising an elongated bar having opposite side faces recessed from end to end, an elongated member having walls between which said bar is received which have inner faces with longitudinal recesses opposed to the recessed faces of said bar, and elongated elastic rubber members under compression between said opposed recessed faces, said rubber members being retained by said recesses and forming resilient supports for said bar.

2,496,771
TILTING HEAD PRESS
Stewart Bolling, Cleveland, Ohio
Application May 9, 1947, Serial No. 746,989
6 Claims. (Cl. 18—16)

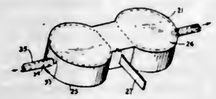
3. In a tilting head molding press including a lower mold member, the combination, with spaced apart side frame plates of a tilting head, constituting an upper mold member, hinged at one end to the side frame plates and proportioned to fit therebetween, means carried by the side walls of the head cooperating between the head and side frame plates proportioned to lock the head to the side frame plates, said means adapted to receive all thrust exerted against the head by the lower mold member and transmit it directly to the side frame plates, and clamping

bars adjustably connected to the head engageable with the side frame plates, said bars adapted



to prevent lateral spreading of the plates under said thrust.

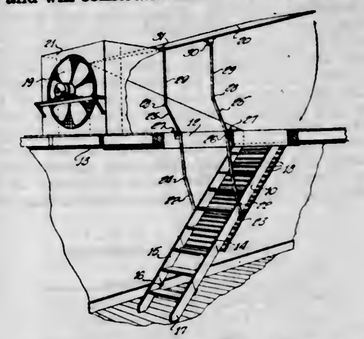
2,496,772
CAVITY RESONATOR
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 12, 1944, Serial No. 544,575
11 Claims. (Cl. 178—44)



1. In an electrical system comprising a resonant cavity, means for establishing with said cavity an electromagnetic field associated with at least two distinct modes of resonance of said cavity, a thin adjustable conducting member, said member being located and inserted in said cavity along a plane in which all degrees of its adjustment are normal to the electric field and parallel to the magnetic field which would obtain in the path of the member but with the member completely withdrawn, said field being associated with one of said modes of resonance of the cavity, the resonant condition of said cavity to said mode being unaffected by the adjustment of said member, its other mode being varied in resonant frequency in accordance with the degree of adjustment of said member.

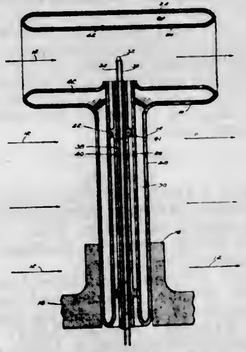
2,496,773
FOLDING STAIRWAY
Byron D. Brown, Dallas, Tex.
Application November 13, 1947, Serial No. 785,575
5 Claims. (Cl. 228—50)

1. In a folding stairway, a series of step supporting sections hinged in end to end relationship, the upper of said sections being louvered and hinged in a ceiling opening, a ventilating fan and housing above the ceiling, a hinged section on said housing, a pair of articulated arm assemblies, each consisting of a lower arm pivotally connected to the upper stairway section, an upper arm pivotally connected to said housing section, an intermediate bent arm pivotally connected at its ends to the ends of said upper and lower arms and pivoted at its midsection to the sides of said ceiling opening whereby said housing section will counterbalance said stairway and will constrain air influenced by said fan



to pass upwardly through said ceiling opening when said stairway is folded therein.

2,496,774
THERMOELECTRIC GAS PROBE
Richard S. Buck, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 18, 1946, Serial No. 717,047
5 Claims. (Cl. 136—4)

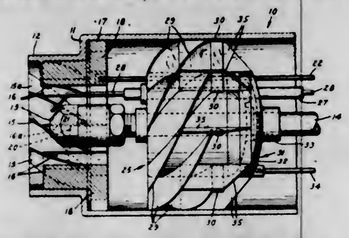


1. A gas probe including a stem, thermocouple wires supported in said stem and secured together at their inner ends to form a junction, a metallic shield on the inner end of the stem with the thermocouple junction located substantially centrally with the shield, said shield being open at both ends and having its axis at a substantial angle to the stem, said shield having spaced walls connected together at opposite ends to form a sealed chamber surrounding the thermocouple junction, the adjacent surfaces of said walls having a coating of a material of low emissivity for reducing heat radiation.

2,496,775
GUN TYPE OIL BURNER
Anthony Cadella, Fairfield, Conn.
Application June 20, 1946, Serial No. 678,005
4 Claims. (Cl. 158—76)

1. In a liquid fuel burner including an air blast pipe having a discharge end portion, a fuel spray nozzle slightly inwardly of the discharge end of

said pipe and a fuel supply tube connected with said nozzle, a body of less external diameter than the internal diameter of said pipe and arranged coaxially of the longitudinal center of said pipe inwardly of said discharge end portion and said nozzle and blocking the passage of air through the coaxial center of the pipe, means adjustable in the space between the outer periphery of said body and the inner periphery of said pipe to and from a position substantially closing said space whereby to regulate the volume of air passing through the pipe about said body, spaced helical vanes located about the inner periphery of the discharge portion of said pipe and extending from



a point inwardly of the discharge end of said nozzle to a point forwardly thereof for imparting a twist to air passing through the said discharge portion of the pipe about said nozzle, and means movable into and out of the spaces between said vanes for closing the passages therebetween in accordance with the extent to which the means is moved into said spaces to thereby vary the effective internal cross sectional area of said discharge pipe portion whereby the velocity of air moving through said discharge pipe portion may be maintained when the first mentioned means has been adjusted to reduce the volume of air passing about said body.

2,496,776

TEXTILE YARNS IMPREGNATED WITH LUBRICATING COMPOSITIONS

John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original application June 21, 1946, Serial No. 678,353. Divided and this application February 17, 1948, Serial No. 9,023

2 Claims. (Cl. 117—139.5)

1. Textile yarns amenable to textile operations including weaving and spinning, impregnated with a lubricant containing as its essential lubricating and softening component an acetoacetyl amide selected from the group consisting of

$$CH_3COCH_2CONH—C_2H_4—NH—COR_1$$

and

$$CH_3COCH_2CONH—C_2H_4—NH—C_2H_4—NHCOR_1$$

and

$$R_1CONH—C_2H_4—N(—COCH_3COCH_3)—C_2H_4—NHCOR_1$$

wherein R_1 represents an alkyl radical containing from 8 to 24 carbon atoms.

2,496,777

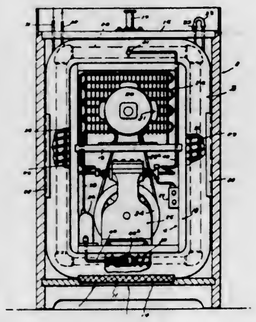
LIQUID COOLER

Lewis H. Clarke, Brookline, Mass.

Application December 11, 1944, Serial No. 567,674

5 Claims. (Cl. 62—141)

1. In a refrigerated liquid cooler of the class described, a cabinet embodying a compartment having an elevated bottom with screened air inlet, a screened air outlet in one wall adjacent the upper portion of the cabinet, one wall of said cabinet being removable to form a panel this permitting access to be had to the compartment on the interior, a frame mounted in said compartment with its marginal portion spaced from the walls of the cabinet to permit free circula-



tion of air around all areas, said frame being adapted to support a motor, compressor and other parts, a frame-like insulating unit surrounding said first-named frame and having its marginal portions spaced from the walls of the cabinet, coacting pipes embedded in said insulating unit for liquid intake circulating and return purposes and refrigerant circulating and return purposes.

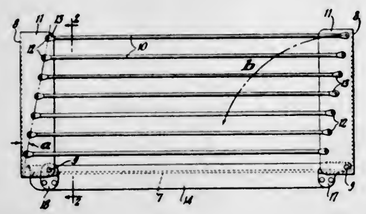
2,496,778

FOLDING BASKET FOR MARKET CARRIERS

George W. Concklin, Suffern, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a corporation of New York

Application November 8, 1946, Serial No. 708,487

2 Claims. (Cl. 220—6)



1. A folding basket for market carriers comprising a bottom, end forming members hinged to the bottom, each of said end forming members having inwardly extending vertical marginal flanges, and a series of spaced parallel horizontal side forming members on each side of the basket, each of the side forming members having its ends pivotally attached to said flanges, the points of pivotal attachment being arranged in two parallel lines on each side of the basket, each of which lines makes an acute angle with its adjacent end of the basket.

2,496,779

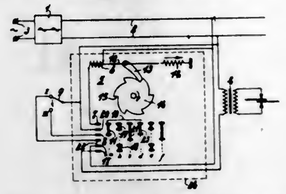
WELDING APPARATUS AND CONTROL THEREFOR ACTUATED BY AN ELECTRIC CURRENT PULSE TIMER

Frans Hendrik de Jong, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application August 13, 1948, Serial No. 44,025

In the Netherlands September 29, 1947

6 Claims. (Cl. 175—320)



2. In combination; electric current pulse timer means for supply sequences of current pulses alternating with time intervals of no current, a welding apparatus, a pair of supply mains electrically connecting said welding apparatus to said timer means, and a single relay electrically connected in one of said mains between said welding apparatus and said timer means, said relay comprising; an energizing coil connected at opposite ends thereof to said one of said mains and to a first stationary contact, a second stationary contact connected into the other of said supply mains, a third and a fourth stationary contact, means including a switch for selectively electrically connecting either of said third and fourth stationary contacts to said other supply main, a fifth stationary contact connected to said one supply main, a sixth stationary contact connected into said welding apparatus and adapted for completing a circuit through said welding apparatus, armature means operatively associated with said coil, movable contact selector means operatively associated with said six stationary contacts, and means actuatable upon deenergization of said coil subsequent to an energization thereof for moving said contact selector means stepwise past said stationary contacts.

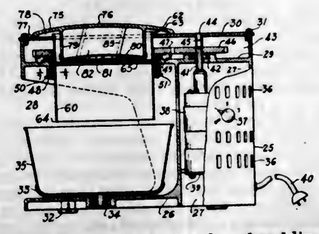
2,496,780

KITCHEN SHREDDER FOR BOTH LEAFY AND STALKY VEGETABLES

Cornelius R. de Nardis, Elmhurst, and Jack J. Albin, Far Rockaway, N. Y.

Application January 14, 1947, Serial No. 721,934

1 Claim. (Cl. 146—177)



In a kitchen utility device for shredding both leafy and stalky vegetables, a cylindrical casing having an opening in the front wall thereof and a motor housing near the back wall, a rotatable bowl supporting plate disposed near the bottom of said opening, a bowl on said plate, an electric motor in said housing, a bearing plate extending across said casing near the top thereof, said plate having a circular opening therein, a gear housing the base of which is defined by said bearing plate, a motor shaft extending through said gear housing, a gear fixed to the motor shaft, a second gear meshing with the first-mentioned gear, both of said gears lying in a substantially horizontal plane and being disposed within said gear housing, the second-mentioned gear having a circular opening the axis of which is coaxial with the axis of the gear and with that of the opening in the bearing plate, the wall of said opening in said gear being provided with slots adapted to receive complemental projections on a chute, a grater in said chute, a cover for said chute, said cover having a depending portion extending within said chute and arranged to engage leafy vegetables to maintain them in contact with said grater, a spring mounting for said cover tending to move the cover away from said grater, the operator by applying pressure to said cover, through said depending portion maintaining leafy vegetables to be grated in contact with said grater, means for clamping said cover in a fixed position, said cover having an opening passing therethrough and through said depending portion through which opening a stalky vegetable may be introduced and one end thereof brought into contact with the grater and the said end grated while the stalky vegetable is held by the operator in said opening with the said end in contact with said grater.

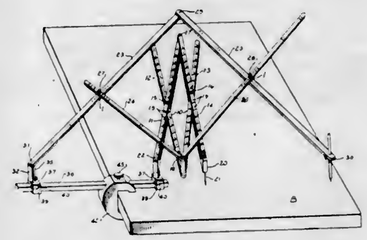
2,496,781

PANTOGRAPH

Richard M. Eichmann, New York, N. Y.

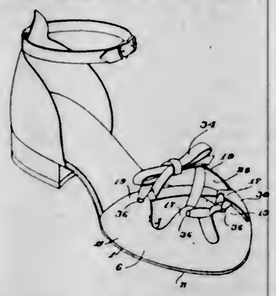
Application February 15, 1946, Serial No. 647,875

7 Claims. (Cl. 33—25)



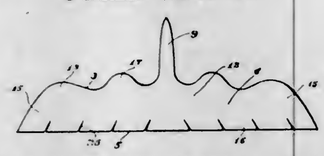
6. A duplex pantograph comprising: a primary four arm lazy tongs pantograph with its fulcrum at the free end of one arm, and its stylus at the free end of the arm which is terminally jointed thereto and having an elbow at the terminal joint of the other two arms, a secondary four arm lazy tongs pantograph with its fulcrum at the free end of one arm and its stylus at the free end of the arm which is terminally jointed thereto and having an elbow at the terminal joint of the other two arms, a common pivot connecting said elbows of both the primary and secondary pantographs, a rigid bar carrying the fulcrums of both of said pantographs in spaced relation to one another, said fulcrums being adjustable longitudinally of said rigid bar to vary the distance between them at the will of the operator, and a clamp longitudinally adjustable with respect to said bar for rigidly clamping said bar to a table or other support.

2,496,782
PREPARED MOLDED SHOE VAMP
Arthur C. Engel, Haverhill, Mass.
Application March 25, 1948, Serial No. 16,948
5 Claims. (Cl. 36—46.5)



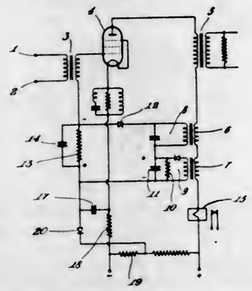
1. A prepared shoe vamp for assembly in a shoe comprising an inner lining, an outer covering and a stiffener inserted between the inner lining and the outer covering, the inner lining, the stiffener and the outer covering being molded to finished shoe-vamp shape and having an inturned bottom flange adapted to be secured between the inner sole and the outer sole of a shoe and a portion rising upward a short distance from the outer edge of the flange at its extreme toe portion and on both sides thereof, said rising portion being provided with tongues rising a substantial distance upward therefrom and being separated at their upper edges in order to provide an opening at the top of the shoe vamp that extends from near the extreme toe portion of the shoe vamp rearward throughout the length of the shoe vamp.

2,496,783
SHOE-VAMP BLANK
Arthur C. Engel, Haverhill, Mass.
Original application March 25, 1948, Serial No. 16,948. Divided and this application January 24, 1949, Serial No. 72,285
4 Claims. (Cl. 36—47)



1. A shoe-vamp blank adapted to be molded to finished shoe-vamp shape before assembly in a shoe, the blank comprising, in unmolded state, a flat inner lining assembled with a flat outer covering and a flat stiffener inserted therebetween, the blank having upper and lower edges, the inner lining, the outer covering and the stiffener all extending upward from the said lower edge and along the complete length of the blank to provide the blank with a main portion, the inner lining, the outer covering and the stiffener being substantially coextensive with one another throughout the main portion of the blank, the blank having separated tongues positioned intermediate the ends of the blank and extending a substantial distance upward above the main portion of the blank, and the width of the blank between the said upper and lower edges being small compared to the length of the blank between its ends.

2,496,784
RECEIVER CIRCUIT-ARRANGEMENT FOR LOW-FREQUENCY OR CARRIER WAVE TELEPHONY SYSTEMS
Johannes Ensink, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 23, 1948, Serial No. 3,964
In the Netherlands February 21, 1947
5 Claims. (Cl. 179—1)



1. A telephone receiving system for selectively amplifying audio currents and intercepting signal pulses formed by oscillations whose frequency lies within the audio range, said system comprising an electron discharge tube including a cathode, a grid and an anode, means coupled to said grid for applying the audio currents and the signal pulses thereto, means coupled to said anode for deriving amplified audio currents therefrom, a resonant network coupled to said anode and tuned to the frequency of said signal pulses, a first resistance-capacitance parallel circuit, a first rectifier, means coupling said first circuit through said first rectifier to said anode to charge said first circuit, a second resistance-capacitance parallel circuit, a second rectifier, means connecting said resonant network in series with said first circuit through said second rectifier across said second circuit to charge said second circuit solely when an oscillatory voltage is developed across said resonant network, means to apply the voltage developed across said second circuit to said grid to render said tube non-conductive during the existence of signal pulses, and means coupled to said anode and responsive to the non-conduction of said tube to produce output signal impulses in accordance with said input signal pulses.

2,496,785
ANTENNA REEL
Lewis H. Finneburgh, Jr., and Milton R. Friedberg, Cleveland Heights, and Anthony G. Turk, Cleveland, Ohio, assignors to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application April 9, 1948, Serial No. 19,936
14 Claims. (Cl. 250—33)

1. A reel mechanism for actuating an extensible and retractable antenna comprising, in combination, a flexible actuating cable having one of its ends operatively connected to said antenna and being provided with means constituting a flexible rack, a take-up and pay-out drum connected to the other end of said cable and upon or from which said cable may be wound or unwound, a gear rotatable in constant timed relation to said drum and constantly meshing with said rack means, and means independent of said rack for rotating simultaneously said drum and gear in either direction to cause said gear to positively actuate said cable to extend or retract said antenna and said drum to have said cable

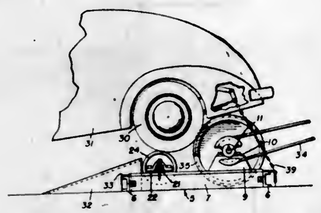


helically wound thereupon or unwound therefrom.

2,496,786
PROCESS FOR THE PREPARATION OF RING ACYLATED AROMATIC COMPOUNDS
Robert Everett Foster, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1948, Serial No. 27,820
8 Claims. (Cl. 260—329)

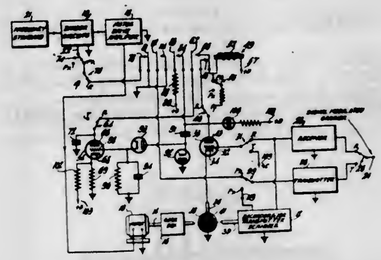
1. A process for the preparation of acetylanisole wherein acetic anhydride is reacted with from one to twenty moles, per mole of acetic anhydride, of anisole at a temperature within the range 25–200° C. in the presence of 0.02 to 0.5 mole per cent, based on the anhydride, of perchloric acid.

2,496,787
POWER TAKE-OFF FOR VEHICLES
Charles L. Fox, Independence, Mo., assignor of one-half to Joseph W. Barnard, Independence, Mo.
Application January 30, 1947, Serial No. 725,372
1 Claim. (Cl. 287—1)



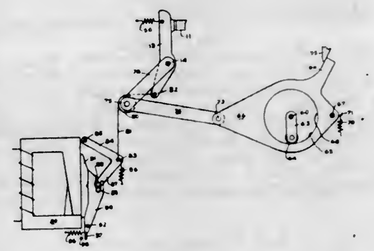
In a power take-off device of the type embodying pairs of spaced rollers for supporting the rear wheels of an automobile, a rotary shaft having one of the pairs of rollers fastened thereon, bearings for the ends of the shaft, one of said bearings having a lateral plate thereon provided with a fixed collar in which one end of the shaft is rotatable, said collar and end of the shaft being apertured, and a pin for extension through said apertures to lock the shaft against turning at will.

2,496,788
PHASING APPARATUS
Charles N. Gillespie, Waltham, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application September 10, 1946, Serial No. 695,894
5 Claims. (Cl. 178—69.5)



1. In a facsimile system, a scanner having a moving part to be operated co-phaseally with the moving part of another scanner, a frequency responsive driving motor for said moving part, a substantially constant frequency power source for said motor to provide substantially constant speed, switching means operated by said motor, signal responsive means in series with said switching means, a relay responsive to simultaneous closure of said switching means and operation of said signal responsive means to alter the frequency of said source.

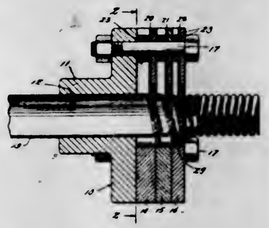
2,496,789
MULTIPOLE ANODE CIRCUIT BREAKER AND OPERATOR THEREFOR
Elmer Goessel, Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 15, 1944, Serial No. 522,444
7 Claims. (Cl. 200—92)



1. In a circuit breaker having a movable contact and a complementary contact, an operating mechanism including a lever, said operating mechanism being connected to said movable contact, said lever having a circular opening therethrough, a shaft extending through said opening, a crank and roller on said shaft; said opening having a radius equal to the radius of said crank and roller; said lever being pivotally mounted and biased for movement in a direction to bring a portion of the inner surface of said opening adjacent the shaft; rotation of said shaft rotating said crank and roller against the inner surface of said opening to move said lever against said

bias to move said movable contact toward said complementary contact, and releasable means for locking said lever in position when the opening in said lever is concentric with said shaft; said shaft, crank and roller being thereafter rotatable in said opening while leaving said lever unaffected.

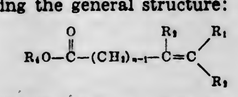
2,496,790
APPARATUS FOR MAKING FLEXIBLE METAL HOSE
Stephen Guarnaschelli, Naugatuck, Conn., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application March 11, 1947, Serial No. 733,841
13 Claims. (Cl. 153—71)



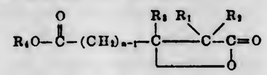
1. In a die for forming helical convolutions in straight-walled ductile tubing, a series of die plates mounted in spaced parallel relation, having coaxial apertures therein corresponding to consecutive segments of a spiral, said series of plates being spaced progressively closer together from the larger to the smaller apertured plate, and the portions of said plates forming the opposite sides of the apertures being offset in opposite directions from the planes of the plates to cooperate with an offset portion of an adjacent plate and form a substantially continuous spiral helix through series of plates of progressively reduced pitch and radius.

2,496,791
METHOD OF FORMING UNSATURATED ACID ESTERS
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application June 7, 1946, Serial No. 675,304. Divided and this application September 10, 1947, Serial No. 773,295
2 Claims. (Cl. 260—486)

1. The method of forming unsaturated acid esters having the general structure:



which comprises distilling under reflux a lactone having the general formula:



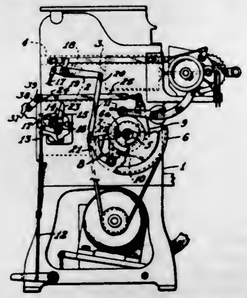
in which formulae R_1 and R_2 each represents a hydrogen atom; R_3 and R_4 each represents a member selected from the class consisting of a hydrogen atom; a methyl group, an ethyl group, a phenyl group, a benzyl group and a phenylethyl group, and n is a small whole number.

2,496,792
COMBINED COFFEE BREWER COVER AND STAND
Carl W. Hellberg, Chicago, Ill.
Application January 3, 1947, Serial No. 720,073
3 Claims. (Cl. 65—65)



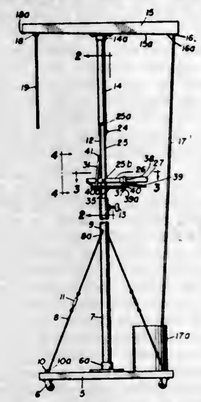
3. A combination cover and stand device for a coffee brewer bowl having an open topped bowl portion and a depending hollow stem, and comprising a closure portion engageable with the edge of the bowl portion for closing the same and including depending means disposed adjacent the periphery thereof, said closure portion having a central recess defined by bottom and annular side wall portions and a handle member upstanding centrally from the bottom wall portion of said recess and spaced within the annular side wall portion thereof to form an annular channel within which the end of the hollow stem is inserted when placed over the handle member with the walls of the stem adapted to be engaged between the handle member and the annular side wall portion for stable support against tilting when the depending means adjacent the periphery of the device rests upon a supporting surface.

2,496,793
CLUTCH AND BRAKE MECHANISM FOR ORNAMENTING MACHINES
Joseph G. Herbers, Cincinnati, Ohio, assignor to The Louis G. Freeman Company, Cincinnati, Ohio, a corporation of Ohio
Application October 23, 1946, Serial No. 705,072
9 Claims. (Cl. 192—17)



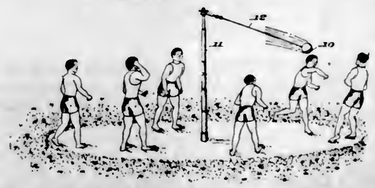
1. In a machine of the character described, the combination with a plunger and an operating shaft therefor, and a clutch device in connection with said shaft having one-revolution and half-revolution control elements selectively operable for applying power to the plunger operating shaft, a brake for constraining the rotation of said shaft, brake operating means actuated by the movement of the plunger to apply the brake at the conclusion of the one revolution movement, and brake operating means also actuated by the movement of the plunger to apply the brake at the conclusion of the half revolution movement and an interconnection between said last mentioned means and said selectively operable control elements.

2,496,794
WALLPAPER REMOVING DEVICE
Donald A. Hoch, Lemoyne, Pa.
Application November 27, 1946, Serial No. 712,571
2 Claims. (Cl. 248—161)



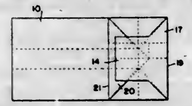
1. A pan support for wallpaper removing devices comprising a lower standard, a movable base supporting said lower standard, an upper standard supporting a steaming pan, an intermediate section workable in said lower standard and upper standard, a spring within the upper standard, the lower end of said spring bearing against the upper end of the intermediate section, said spring adapted to hold the upper standard in a raised position, a handle for lowering the upper standard, and a catch carried by the handle and engaged under a part of the intermediate section for securing the pan in a lowered position.

2,496,795
TETHERBALL GAME APPARATUS
Kenneth A. Johnson, San Bernardino, Calif.
Application December 9, 1944, Serial No. 567,364
3 Claims. (Cl. 273—95)



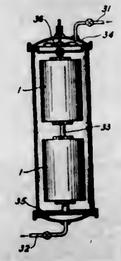
1. A tether ball game apparatus comprising an upright pole, an anti-friction bearing having an inner cylindrical race sleeve fixed to the pole, an outer cylindrical race sleeve concentric with the inner sleeve, anti-friction elements between the sleeves, a downwardly inclined hollow arm projecting from the outer sleeve, said hollow arm consisting of a substantially closed casing, a downwardly inclined rod extending lengthwise of the hollow arm, a ball, a line connecting the ball to the outer end of the rod and a coil spring in the hollow arm, said spring encircling said rod and being connected at opposite ends to the rod and arm to resist endwise movement of the rod under the action of centrifugal force on the ball, the downward inclination of the arm and rod serving to drain rain away from the spring.

2,496,796
BAG AND METHOD OF MAKING THE SAME
Emanuel S. Kardon, Melrose Park, Pa.
Application October 11, 1947, Serial No. 779,251
2 Claims. (Cl. 229—59)



1. A rectangular bottom bag formed of a flattened tube having front and rear walls and initially having a pair of spaced longitudinal slits in one of said walls only at the end of the tube from which the bottom of the bag is formed thereby providing a single bottom tab, the slits extending inwardly from the edge and spaced from the sides, the bottom being formed by a partial diamond fold with the aforesaid tab at one end only thereof and the other end being shaped into a triangle terminating in an apex, flaps at the middle of the diamond fold having a seal therebetween along a longitudinal line extending the full length thereof substantially medially of the partial diamond fold, said flaps being united by a crease line at the apex end of the triangle, said flaps being folded down against a portion of the bottom, adjacent faces of the portion of the bottom adjacent the tab having a seal therebetween extending entirely across along a transverse line, the triangular portion being folded over to form a portion of the bottom, and the portion carrying the tab being folded to extend over the apex of the triangular portion and sealed to said triangular portion to complete the bottom.

2,496,797
METHOD OF PREPARING OXIDIZED CELLULOSE GAUZE
William O. Kenyon, Cornelius C. Unruh, and William F. Fowler, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N Y., a corporation of New Jersey
Application July 26, 1946, Serial No. 686,400
1 Claim. (Cl. 8—149.2)



A method for preparing oxidized cellulose gauze which comprises forming a pad of the cellulose

gauze on a perforated drum, centering the drum containing the gauze pad in a cylindrical chamber, introducing liquid NO_2 into the chamber so as to not contact the cellulose gauze pad, sealing the chamber and circulating vapors of the NO_2 therein, whereby only the vapors of the NO_2 contact the gauze until the cellulose has been oxidized to a substantial degree, sousing the oxidized gauze in water free of cations and after thorough washing, drying the gauze while wound several layers deep upon the drum.

2,496,798

RUST-INHIBITING LUBRICATING COMPOSITION

Herman D. Kluge, Wappingers Falls, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 14, 1946, Serial No. 669,583
2 Claims. (Cl. 252—48.6)

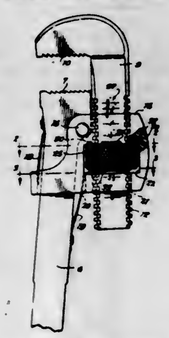
1. A rust-inhibiting lubricating composition consisting essentially of an oleaginous liquid having lubricating properties as the predominant constituent, and 0.01–3.0% by weight on the basis of the oleaginous liquid of a tertiary dodecyl thiosuccinic acid sufficient to inhibit the formation on a steel specimen immersed in said composition in the presence of salt water of both ferric oxide rust, as well as a cream-colored powdery film which results from reaction of the iron with a n-dodecyl thiosuccinic acid, the said tertiary dodecyl thiosuccinic acid having the tertiary dodecyl radical linked through the sulfur atom to the carbon chain of the succinic acid between the carboxyl groups.

2,496,799

WRENCH HAVING THREADED JAW SHANK ADJUSTED BY SLEEVE-ENCLOSED INTERRUPTED-THREAD NUT HAVING PROJECTIONS YIELDABLY INTERLOCKING WITH SLEEVE

Merle F. Lanckton, Castile, N. Y.; Elizabeth N. Lanckton administratrix of said Merle F. Lanckton, deceased

Application October 3, 1946, Serial No. 700,988
1 Claim. (Cl. 81—105)



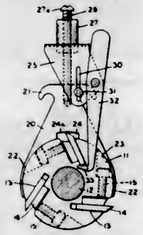
A wrench including a main shank having a jaw at one end thereof, a shiftable shank having a jaw formed to cooperate with the jaw of said main shank and having screw threads on opposite edges thereof, a housing mounted in said main shank and having limited movement relatively to the same, said housing having a passage therein in which said shiftable shank is arranged and in which said shank is adjustable to adjust the jaw thereof relatively to said first mentioned jaw, said housing having a lateral opening intersecting said passage therein, an adjusting nut for said shiftable shank extending through said lateral opening and said passage, said nut having an internal thread and diametrically opposed recesses which interrupt the thread of the nut so that when said nut is in one position the thread thereof engages the threads of said shiftable shank and when in another position substantially at right angles to said first mentioned position, the threads of said nut and said shiftable shank are out of engagement to permit free movement of said shiftable shank relatively to said housing, projections on said nut which cooperate with said housing and which may be positioned on the exterior of said housing and within said passage thereby to hold said nut against turning when the nut threads either engage the threads of said shiftable shank or are positioned out of engagement therewith, and means for yieldingly urging said nut in a direction in which said projections interlock with said housing, said nut projections being oppositely disposed and thereby spaced from each other, the spaces between said projections being formed to engage the edge of the housing at said opening therein, said projections being so arranged with relation to said threadless recesses in said nut that when oppositely disposed projections of said nut are arranged on the exterior of said housing, said threadless recesses in said nuts are in one relation to the threads of the shiftable shank and when said pair of projections are in the interior of said housing, said recesses are in another relation to the threads of the shiftable shank, whereby the nut may be readily positioned to have the threaded portions of the nut in or out of operative relation to said threaded shank, depending upon the position of said projections relatively to said housing.

2,496,800

CUTTER ADJUSTER

Emil H. Larkins, Cleveland, Ohio

Application November 5, 1947, Serial No. 784,228
2 Claims. (Cl. 29—256)



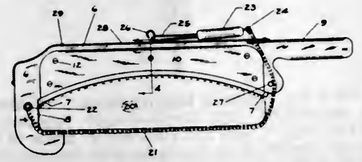
1. A gauge for setting the blades in the slots of a cylindrical planer blade holder, comprising a body member provided with opposed arms formed to rest upon the holder and at one end having a flat surface lying in a plane perpendicular to the length of the holder when the gauge is applied thereto and between said arms having a gauging recess, a support formed of thin sheet metal having a body portion extending parallel to said plane and slidable upon said surface and at its outer end being provided with a flange extending over the body member, an adjusting screw extending through said flange and threaded into the body member for adjusting the support thereon, and a lever formed of thin sheet metal pivotally secured flat-wise upon said support and adapted to be inserted into a position where it is applied flatwise to the end of the blade holder, said lever being provided with a toe arranged by pivotal motion of said lever in its own plane to be engaged beneath a blade in said holder, whereby outward adjustment of said support upon said body member advances the blade edge into engagement with the bottom surface of said gauging recess and thus determines correct cutting position of the blade in the blade holder.

2,496,801

GARMENT CLAMP FOR IRONING BOARDS

Edwin J. Lowry, San Francisco, Calif.

Application November 28, 1947, Serial No. 788,599
1 Claim. (Cl. 38—12)



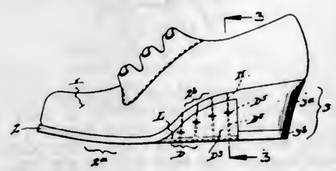
In combination with the buck of a steam presser, a garment clamp comprising a horizontal bar adapted to be transversely positioned across the buck, a padding formed on the bottom portion thereof, said padding being curved to conform with the top surface of the buck, a handle horizontally extending from one end portion of the bar, an angular member formed on the opposite end portion thereof, said angular member being adapted to extend beneath one side portion of the buck, an elongated coil spring connected to the said angular member and adapted to be extended along the bottom surface of the buck and over the front side thereof, and means for removably securing the said elongated coil spring to the top portion of the bar.

2,496,802

ARCH SUPPORTING MEANS

Vincent Massa, Reading, Pa.

Application April 23, 1948, Serial No. 22,799
2 Claims. (Cl. 36—76)



1. An attachment of the character described for recess; comprising an arch-supporting device that is shaped to correspond in configuration with the segmental section of said recess located directly adjacent to and extending laterally from the inner side edge of the shoe sole and heel, which device is provided with a resilient portion at its bottom having a laterally inclined flat ground contacting surface the outer lengthwise extending edge of which is adapted to be positionally located above the heel surface of the shoe; and means for receiving elements for securing the device in form-fitting relation in said segmental section of the recess.

2,496,803

PRODUCTION OF VERATRALDEHYDE FROM VANILLIN

Donald McMillan, Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 15, 1947, Serial No. 722,294
1 Claim. (Cl. 260—600)

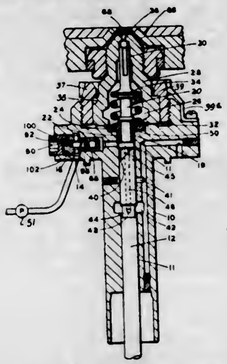
In a process for the production of veratraldehyde, the steps of melting vanillin in water by the application of heat, adjusting the vanillin to pH 9.0 to 9.5 with sodium hydroxide, then adding simultaneously thereto sodium hydroxide and dimethyl sulfate, the increments of sodium hydroxide and dimethyl sulfate added being such as to maintain a pH of about 9.0 to 9.5, upon completion of methylation acidifying the system to a pH of 4.0 to 5.0, and then separating veratraldehyde from the aqueous layer which forms.

2,496,804

FUEL INJECTION DEVICE

Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application January 16, 1945, Serial No. 573,110
6 Claims. (Cl. 103—41)



1. In an injection device, a nozzle body having a discharge passage, and a seat surrounding the inlet end of said passage, and a plunger having a valve surface engaging said seat, a flange on said plunger, a spring engaging said flange and holding the valve surface against the seat, a chamber in which fuel is accumulated and from which fuel discharges through the discharge passage, said spring being located in said chamber, the spring being constructed to occupy enough of the area of the chamber adjacent the end coils which engage the flange to restrict the flow of fuel and cause the pressure resulting from the restriction to urge the spring against the flange, the greater part of the chamber volume being located on the upstream side of the restriction provided by the spring.

2,496,805

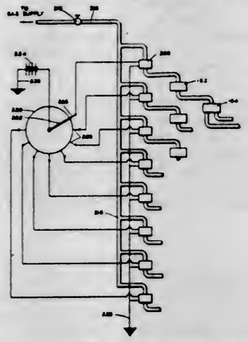
STARTING SERIES OF COMPRESSORS

Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application January 30, 1945, Serial No. 575,341
2 Claims. (Cl. 230—56)

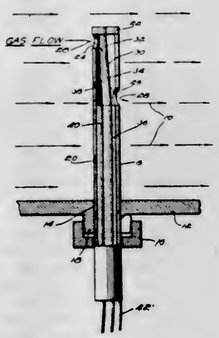
1. A control system including a number of free piston units and a starting mechanism for

each unit, including a pressure operated starting device and an automatic supply valve for said device, said system also including a conduit having a supply of starting gas, a branch conduit from said supply conduit to each supply valve and a normally closed control valve in each branch conduit, in combination with a selector



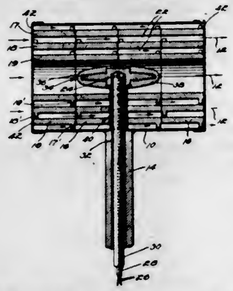
including a manually movable indicator for selecting which unit is to be started, and an electrical circuit for each control valve, said indicator having associated therewith contact means for completing any of the electrical circuits selectively and electrical means associated with each control valve for operating said valve when the associated circuit is completed.

2,496,806
GAS TEMPERATURE PROBE OF THE THERMOCOUPLE TYPE
Elbert Marston Moffatt, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 27, 1946, Serial No. 712,527
7 Claims. (Cl. 136—4)



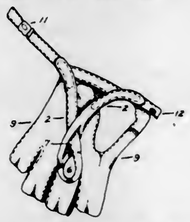
4. In a gas probe, a shield in the form of a tube adapted to be positioned in a gas stream at right angles to the flow of the gas, said shield having in the walls thereof a single inlet opening and a single outlet opening, said openings being substantially diametrically opposed and axially spaced for the flow of gas through the shield, a cap on the end of the shield, and a thermocouple having its junction located substantially centrally of the shield and between the axially spaced openings.

2,496,807
GAS PROBE OF THE THERMOCOUPLE TYPE
Elbert Marston Moffatt, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 18, 1946, Serial No. 716,934
2 Claims. (Cl. 136—4)



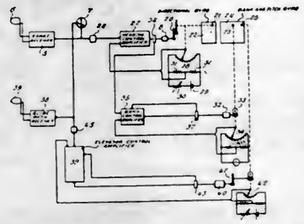
1. In a gas probe, a thermocouple junction, a tube supporting said thermocouple junction, a shield having its axis at a substantial angle to the tube and mounted on the tube with the junction located within the shield, and a ceramic lining for the shield, consisting of concentric spaced ceramic sleeves mounted within the shield, said sleeves each being built up of a number of ceramic elements in end-to-end relation, each element consisting of short spaced substantially concentric shields of ceramic material with integral spacers and means at the ends of the first shield to hold said elements axially in position.

2,496,808
GOLF CLUB HOLDING DEVICE
Edmund B. Moore, Birmingham, Ala.
Application March 6, 1947, Serial No. 732,822
1 Claim. (Cl. 273—32)



In a golf club handle gripping device of the character described comprising; a part of a leather hand glove as the main member, a strip of leather attached to the inner wrist portion of the main member at each end of the strip, the middle portion of the strip being slack between where it is attached to the main member, a slit in the slack middle portion of the strip, the middle portion of the strip forming a slip-loop with one end of the slack portion passed through the said slit, one end of the strip having an attached extension beyond the glove wrist portion and adapted to encircle a wrist, a second attached extension on the other end of the loop piece and extending therefrom, fastening means attached to the free ends of said attached extensions adapted for holding the same around a wrist; the said slip-loop adapted to rest in the hand-palm portion of the glove main member and being adapted to grip a golf club handle inserted through the loop when by manual means the handle and loop therearound are urged away from the fastened end portions of the strip.

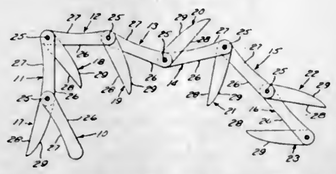
2,496,809
RADIO CONTROLLED PILOT SYSTEM
Francis L. Moseley, Osborn, Ohio, assignor to The Sperry Corporation, a corporation of Delaware
Original application February 10, 1941, Serial No. 378,296. Divided and this application October 12, 1943, Serial No. 505,917
24 Claims. (Cl. 244—77)



2. In an aircraft flight control system, electric motor means operative to control the heading of the aircraft, control circuit means for the motor means for receiving a control signal responsive to change in position of the aircraft, follow-up control means for the motor means responsive to the operation of the motor means connected for supplying a follow-up signal to said control circuit means, and anti-hunting control means for the motor means responsive to the rate of operation of the motor means also connected to said control circuit means.

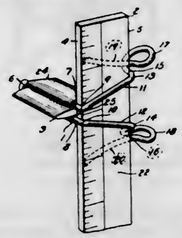
12. In an automatic navigational system for dirigible craft, a radio range receiver for producing an output signal responsive to departure of the craft from a desired radio course, means connected to said receiver for deriving from said output signal a signal responsive to the rate of change of said signal, electric motor means for controlling the steering of the aircraft responsive to said signals, means responsive to the speed of said motor means for producing a rate signal and additional electric motor means for controlling the banking of the aircraft connected to be responsive to the rate signal of said speed responsive means.

2,496,810
EDUCATIONAL LINK
Ralph A. Nerrie, Fayson Lake, Butler, N. J.
Application December 11, 1946, Serial No. 715,457
2 Claims. (Cl. 35—71)



1. In an educational device of the class described, a jointed elongated body comprising a plurality of main strip members pivotally connected in series, and a plurality of auxiliary strip members each free at one end and having common pivotal connection with adjacent main strip members at their other ends, said main strip members and said auxiliary strip members each having one curved side edge and one straight side edge, each of said auxiliary strip members being selectively adjustable angularly with respect to an adjacent main strip member to form therewith a section with its side edges defined either by said straight edges or said curved edges.

2,496,811
CHALK HOLDER FOR ATTACHMENT TO MEASURING STICKS
Charles W. Newton, Kansas City, Mo.
Application January 28, 1946, Serial No. 643,889
4 Claims. (Cl. 24—81)

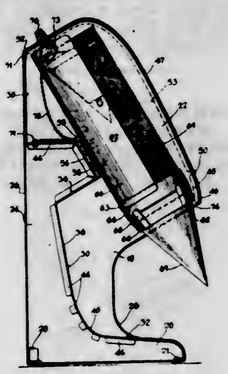


1. A chalk holder for attachment to a measuring stick including a wire having a reverse bend intermediate its ends to provide substantially parallel arm portions for gripping opposite sides of a piece of chalk and adapted to cross one edge of the measuring stick to support said chalk in lateral projection from a side face of the measuring stick and having substantially right angle bends to provide diverging arm portions for engaging the opposite side face of the measuring stick and which terminate in lateral bends to provide edge engaging portions to cooperate with said crossing portions of the chalk holding arms in exerting a binding pressure on the edges of the stick incidental to spring action in said wire, said edge engaging portions having reverse bends to provide finger engaging loops and arm portions for engaging the opposite side face of the stick to cooperate with the diverging arm portions in guiding the holder on the measuring stick while retaining the chalk in substantially fixed angular relationship with the stick, said loop portions being adapted to be moved toward each other to release binding pressure on the edges of the measuring stick, and to supplement gripping action of the chalk holding arm portions on the chalk when held therebetween when shifting the holder on said stick.

2,496,812
DISPENSER FOR PAPER CUPS AND THE LIKE
Albert A. Perelman, Brooklyn, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application October 15, 1947, Serial No 779,896
10 Claims. (Cl. 312—43)

1. In a dispenser for conical paper cups and the like, the combination of a cabinet having a closed top and side walls and an undercut portion defining an open bottom, said cabinet being provided with a support for a chute for holding a stack of said cups, an inclined trough-like chute provided at its lower end with a discharge throat constructed and arranged so as to retain a stack of nested cups contained in said chute from freely sliding through the sleeve and to release individual successive cups of said stack when pulled downwardly therefrom, cooperating en-

gaging portions carried respectively on said support and chute constructed and arranged to individually releasably hold said chute in inclined position with the lowermost cup partly extending through said open bottom.



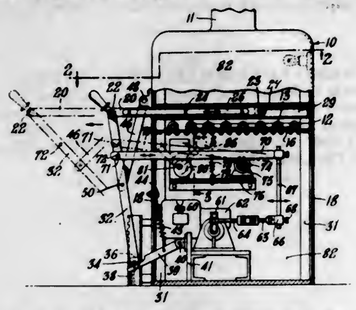
2,496,813
PIPE JOINT
Gustav Axel Peterson, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application August 21, 1945, Serial No. 611,766
3 Claims. (Cl. 285—97.1)



1. In a suction nozzle, a hollow body member having a swivel receiving opening and a clip receiving opening adjacent said swivel receiving opening, a swivel member positioned in said swivel opening, a clip within said body adjacent said clip receiving opening and a closure plate for said clip receiving opening.

2,496,814
PLATE BURNER FOR PHOTOENGRAVING
Frank T. Powers, Glen Cove, N. Y.; Frank T. Powers, Jr., and John M. Powers, executors of said Frank T. Powers, deceased, assignors to Powers Photo Engraving Company, a corporation of New York
Application September 30, 1947, Serial No. 777,089
3 Claims. (Cl. 263—2)

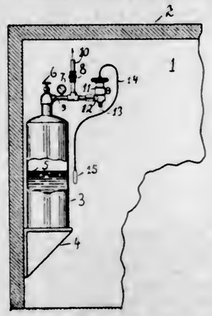
1. A photoengraving stove including in combination a source of heat, a support to position a plate to be heated by said source, means for moving said support and plate back and forth relative to said source while the plate is being heated so as to distribute the heat on said plate, a motor, a crank and link interconnecting the motor and support the link being detachably engageable with the support, a manually actuated eccentric controlling the engagement and disengagement of the link with the support, and means controlling said source of heat and actuated in common with the eccentric so that the link is positioned for engagement with the support as the heat is turned on.



2,496,815
IGNITIBLE COMPOSITION
Ferdinand Ringer, New York, N. Y.
No Drawing. Application January 30, 1946, Serial No. 644,433
13 Claims. (Cl. 52—29)

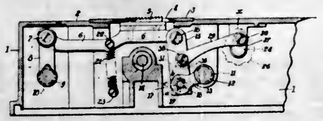
1. A combustible composition which when made in a stick or other form may be extinguished by smothering, a person's breath or by waving rapidly to and fro and then reignited by friction, including a homogeneous organic base, comprising an igniting material the bulk of which is a substantially pure cellulose and a combustible thermoplastic selected from the group consisting of acrylic resins, esters of cellulose and thermoplastic derivatives of cellulose in an amount in excess substantially of that required to adhesively bind the igniting material but insufficient to cause glazing during combustion, bound in intimate mixture therewith to feed and control the flame of the cellulose upon combustion and an oxygen carrier intimately distributed throughout said base, the composition during combustion maintaining its rigidity, leaving no impairing residue and leaving no glazed surfaces.

2,496,816
REFRIGERATION
Peter Schlumbohm, New York, N. Y.
Application December 20, 1945, Serial No. 636,143
2 Claims. (Cl. 62—92)



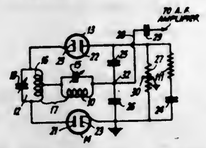
1. The method of cooling the air of a storage space by utilizing a vaporizable refrigerant comprising confining the vaporizable refrigerant, precooling the entire mass of vaporizable refrigerant in its liquid phase to a temperature below a predetermined temperature corresponding to the temperature to be maintained in said storage space, releasing refrigerant vapor above the liquid refrigerant to said storage space which refrigerant vapor is formed by the transfer of heat of the air within said storage space to said liquid refrigerant, controlling the release of said refrigerant vapor in response to the temperature difference between the temperature within said storage space and the temperature of said colder body of liquid refrigerant.

2,496,817
FEEDING MECHANISM FOR SEWING MACHINES
Robert Schulthess, Zurich, Switzerland, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 19, 1947, Serial No. 755,702
8 Claims. (Cl. 112—210)



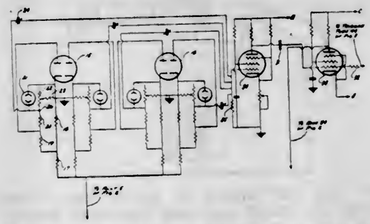
1. In a sewing machine, a feed-advance rocker, a feed-lift rock-shaft, a feed-bar pivotally connected to said feed-advance rocker, an arm on said feed-lift rock-shaft, a stud carried by said arm, a link connecting said arm and said feed-bar, said link having a pair of vertically and horizontally spaced seats located above the axis of said stud and adapted selectively to rest upon said stud to locate said feed-bar in either of two vertically spaced positions and to transmit vertical movements to said feed-bar in either of said positions, and means to effect relative horizontal movement between said link and said stud to cause the stud to be shifted from one of said seats to the other.

2,496,818
ANGLE MODULATION DETECTOR
Stuart William Seeley, Roslyn Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 4, 1947, Serial No. 784,033
17 Claims. (Cl. 250—27)



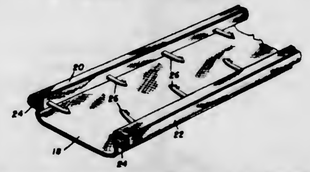
1. In combination with a source of angle modulated carrier waves, means for deriving from the waves a pair of signal voltages whose relative magnitudes are dependent upon the angular modulations of the waves, at least two rectifiers, means for applying each of said pair of voltages to a respective rectifier, a single direct current path which carries substantially all the unidirectional current which flows through either rectifier, means for stabilizing the rectified output voltage, and means in circuit with said path for controlling the desired percentage of the rectified output voltage which is stabilized.

2,496,819
PULSE GENERATOR
Albert R. Simpson, Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 4, 1946, Serial No. 645,463
11 Claims. (Cl. 250—36)



1. Apparatus for producing an accurately known number of electrical pulses comprising a source of alternating current, pulse generating means responsive to said alternating source for producing a known integral number of pulses per cycle of said alternating source, a transmission channel, including an electronic gate, connected between said generating means and the output of said apparatus for controlling the passage of pulses from said generating means, and means also responsive to said alternating source for opening said gate for a predetermined number of cycles of said alternating source.

2,496,820
CORDED SEAM
Creston A. Smith, Philadelphia, Pa.
Application December 24, 1946, Serial No. 718,191
6 Claims. (Cl. 155—184)

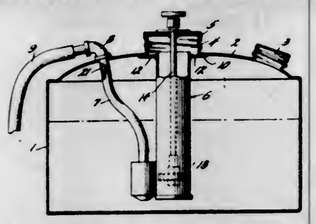


1. A corded seam consisting of a pair of fabrics having marginal edges juxtaposed to form seam allowances, a cord embracing said marginal edges, and means penetrating said seam allowances and engaged in said cord for uniting said fabrics and said cord in a seam, said cord having its marginal edges inturned to form beads, said means comprising barbs carried by said beads.

2,496,821
PUMP FOR DISPENSING CANS
Samuel H. Smith, Atlantic City, N. J., assignor to Emma B. Dawson, Atlantic City, N. J.
Application April 29, 1947, Serial No. 744,571
1 Claim. (Cl. 222—385)

In combination with a small dispensing can having a central opening, a pump, comprising a cylinder, a plate secured at the upper end of the cylinder and provided with openings for drainage purposes, spaced slightly inwardly from the periphery, said plate permanently secured in the can beneath said opening, a valve chamber secured to one side and near the lower end of said cylinder, a port leading from the port to the valve chamber, an upper and lower valve in said valve chamber and spaced respectively above and be-

low said port, an inlet port for the valve chamber and an outlet pipe from the valve chamber, a flexible hose connected to said outlet pipe, the outlet pipe passing through the upper portion of said can, a piston for drawing fluid into the cylinder and for forcing it out of the cylinder through the outlet pipe, and the outlet pipe provided with a small orifice near its upper end and within the can, whereby any fluid remaining in the outlet pipe above the orifice, after pumping, will drain back into the can.



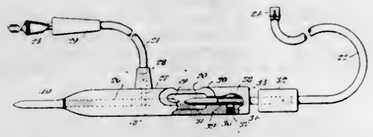
2,496,822
FOLDABLE GAFF HOOK
Vine Stoddard, Jesup, Iowa
Application November 15, 1945, Serial No. 628,744
1 Claim. (Cl. 43—5)



A fishing gaff comprising an elongated handle for grasping by one hand and having a gaff hook on one end thereof, strap loops on one side of said handle spaced along the same for insertion of the fingers of said hand therethrough to prevent said hand from slipping off the handle, and a strap loop attached at one end to an immediate portion of the handle for extension alongside the handle and insertion of the other hand therethrough, said handle and last-mentioned strap loop providing for lifting the gaff handle with both hands to facilitate lifting a heavy fish caught on said hook.

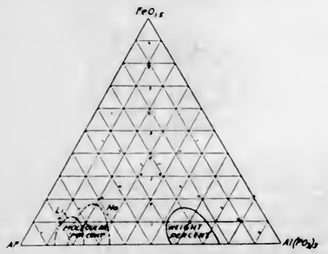
2,496,823
IGNITION SYSTEM TESTER
Frederic L. Strauss, Woodhaven, N. Y.
Application April 3, 1947, Serial No. 739,221
1 Claim. (Cl. 175—183)

In a tester for an ignition system, the combination of an insulating casing having a hole through its longer axis, said casing having a short length of said hole enlarged, said casing being cut away for a portion of its perimeter where said enlargement occurs, a first electrode mounted in said hole with one end extending into said enlarged portion and beneath said cut away portion of said casing, a conductor screw threaded into said electrode and extending to the outside of said casing at right angles to said electrode, a flexible high tension lead connected to said conductor, a spring operating clamp connected to the free end of said lead and adapted to engage a part of the apparatus of said ignition system, a second electrode mounted in the hole in said casing and having one end of said electrode extending into the enlarged part of said casing and beneath said cut away portion, said electrode adapted to be moved to and from the first electrode, markings beneath the cut away portion of said casing to indicate units of distance, said second electrode extending from



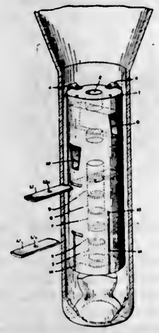
said casing and having an insulating handle thereon for moving said electrode, a flexible high tension lead connected to the free end of said second electrode and having an electrically conducting terminal at the free end thereof, a part of said electrode within said casing being reduced in diameter for a short distance and forming shoulders at each end of said distance, a shoe mounted in said casing for engaging the reduced diameter portion of said electrode, a spring mounted on the other end of said shoe and being placed under compression whereby said shoe forms a resistance to the movement of said second electrode within said casing, and a metallic prod mounted in the free end of said casing but not in electrical contact with either of said electrodes.

2,496,824
FERRIC FLUOPHOSPHATE GLASS
Kuan-Han Sun and Thomas E. Callear, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 9, 1946, Serial No. 689,533
2 Claims. (Cl. 106—47)



1. An optical glass resulting from fusion of a batch comprising essentially in weight per cent, fluoride chosen from the group consisting of the fluorides of lithium and sodium, 22 to 40; ferric oxide, 2 to 15; aluminum metaphosphate, 55 to 76.

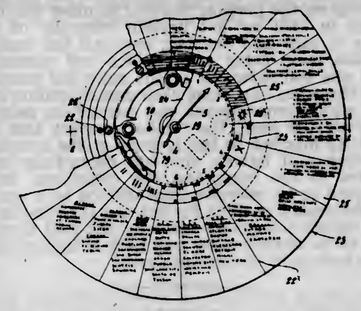
2,496,825
UNITARY CERAMIC ELECTRON GUN
Constantin S. Szegho, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application April 10, 1947, Serial No. 740,622
1 Claim. (Cl. 250—27.5)



In a vacuum tube, an evacuated envelope, an electron gun, comprising a unitary gun structure of rigid insulating material having an axial opening for passing an electron beam, a source of electrons near one end of said axial opening, at least one slot passing through said gun structure at right angles to said axial opening, at least one plate made of ceramic material being supported within the unitary gun structure by said slot and having a conductive coating applied to at least one surface and one side wall, said plate having a beam limiting orifice near to the axis of said axial opening to form a diaphragm, said axial opening having portions of its internal surface preformed with the shapes of the electrodes of the gun, a plurality of electrodes consisting of conductive layers applied to said portions, the electrodes being spatially related to one another in a predetermined manner, a plurality of transverse holes through said rigid body leading to said conductive layers and to said coating of said plate, a plurality of grooves extending along the surface of said rigid body from the bottom end thereof to said transverse holes, coatings of conductive material applied to the walls of said grooves and said holes, said coatings having a low resistance value and terminating at the bottom end of said grooves in terminals, connections between said terminals and wires extending through the envelope, and means for supporting the gun structure in the envelope.

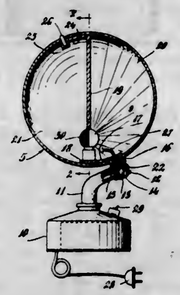
2,496,826
WORLD CLOCK
Andre Tellier, New York, N. Y.
Application November 1, 1946, Serial No. 707,261
1 Claim. (Cl. 58—43)

A clock of the character described including a casing containing clock mechanism, an arbor member driven by said mechanism, a sleeve surrounding said arbor member, posts projecting from said casing, a stationary transparent dial plate having a local time-indicating dial shown thereon at the outer end of said sleeve, means movable over said dial for indicating the local time, a transparent rotatable ring member around the outer periphery of said dial plate in the same plane therewith and operatively connected to the arbor member for rotation thereby and in calculated timed speed therewith, said ring member being divided into a plurality of sections in annular series thereon and arranged concentrically outside of the peripheral range of the local time-indicating dial on the dial plate of the clock, a transparent stationary disc member around the outer periphery of said ring member in the same plane therewith, said disc member being divided into a plurality of sections corresponding to the sections on said ring member, said ring member and disc member having correlated and coindica-



tive indicia displayed in their various sections indicating the time at various global zones and in coordinated and calculated proportionate time indications in relation to the time indicated on the local time-indicating dial of the clock, and means for illuminating said transparent dial plate, ring member and disc member, including a bracket supported forwardly of the clock mechanism and lamps supported by said bracket between the casing and the dial plate and operatively connected to a source of electric power.

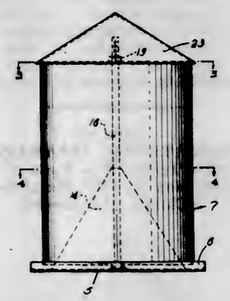
2,496,827
EDUCATIONAL APPARATUS
Andre Tellier, New York, N. Y.
Application May 22, 1947, Serial No. 749,663
1 Claim. (Cl. 35—46)



A globe comprising a base, a tubular bracket on said base having a socket portion at one end thereof, a rotatable spherical member having opposed openings in its polar regions, a disc member disposed centrally inside said spherical member separating the interior thereof into two compartments, said disc member having a cut-out portion at its bottom edge, said disc member being formed of opaque material, a plate formed integrally with said disc member at its bottom edge, a curved extension formed integrally with

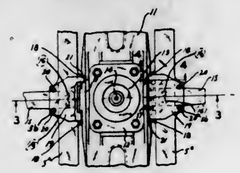
said plate and a radially disposed integral bushing member on said extension projecting through one of the openings in said spherical member, a curved extension formed integrally with said disc member at the upper edge thereof, an integral socket portion on said latter extension, a pin seated in said latter socket portion extending through the other opening in said spherical member, said pin and bushing member forming the axis of rotation of said spherical member, means for fastening the bushing member to the bracket, a lamp on the plate of the disc member and disposed in said cut-out portion centrally of the body of said disc member, one-half the surface of said lamp being colored blue and extending into one compartment of the spherical member and the other half being clear and extending into the other compartment and conductors passing through the base, the tubular bracket and the bushing member to the interior of the spherical member and having one end operatively connected to the lamp and the other end being adapted to be operatively connected to a source of electromotive force for lighting the interior of the spherical member whereby one-half thereof will be lit and the other half dark to indicate day time and night time, respectively.

2,496,828
POULTRY FEEDER
Paul J. Throckmorton, Memphis, Tex.
Application October 25, 1945, Serial No. 624,417
1 Claim. (Cl. 119—53)



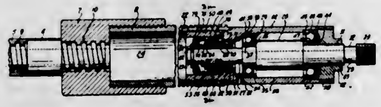
A poultry feeder comprising a feeding pan, a center post seated on said pan, a cylindrical hopper surrounding said post and having an open lower end disposed inwardly from the periphery of said feeding pan, means slidably suspending said hopper on said post for variably spacing the lower end thereof above said pan for controlled escape of feed through said space outwardly of the hopper into the pan, means for centering the lower end of the hopper relative to said pan comprising series of upstanding legs fixed in said pan and forming circularly arranged sockets within the confines of said hopper, and posts slidably fitted in the sockets and slidably associated with means secured to the inner surface of said hopper adjacent said lower end thereof, and a cone-shaped member in said hopper for deflecting feed outwardly through said space, said member having a larger end, smaller in diameter than said hopper, resting on said pan and surrounded by said sockets in edge engagement therewith, whereby said member is centered relative to said pan and hopper.

2,496,829
RAILWAY TRUCK STRUCTURE
James C. Travilla, Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application April 24, 1947, Serial No. 743,511
7 Claims. (Cl. 105—190)



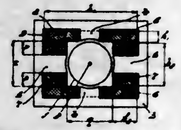
6. In a railway truck, a truck frame including spaced transoms, a bolster suspended between said transoms and arranged for vertical movement relative to said frame, a lug at the center of each side of said bolster extending toward the adjacent transom, a pair of lugs on each transom extending towards said bolster and spaced laterally of the truck to pass between them the associated bolster lug when said bolster is removed from said frame, an extension on each transom opposite said transom lugs, a detachable locking member on each transom attached to said extension and extending over the top of the transom and having a hook-like part fitting over and under the transom lugs and extending laterally of the truck from one lug to the other and having a portion overlying the associated bolster lug to prevent vertical separation of the frame and bolster.

2,496,830
WATER SWIVEL FOR DIAMOND DRILLS
Mana L. Tucker, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application July 17, 1946, Serial No. 684,305
3 Claims. (Cl. 255—47)



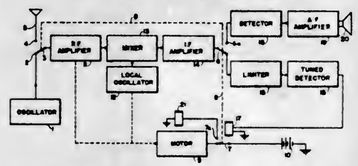
1. In a rotary drilling machine a combination comprising a feed screw provided with a longitudinal bore, a casing affixed to an end of said feed screw and adapted to rotate therewith, a shaft having a longitudinal bore and an enlarged external portion forming two shoulders in planes normal to the axis of the shaft, said shaft having a projection extending into the longitudinal bore of said feed screw, ball bearings having inner race members in abutment with said shoulders and arranged within the casing to maintain the enclosed projection of the shaft in axial alignment with said casing, and a fluid seal associated with the shaft and including a sealing disc, and a ring secured to the casing, said ring adapted to rotate with said casing and to cooperate with the sealing disc to maintain a fluid tight seal whereby fluid is restricted from passing from the longitudinal bore of said feed screw and about the exterior of said shaft.

2,496,831
DYNAMOELECTRIC MACHINE STATOR
Dirk Arie van den Berg, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 26, 1946, Serial No. 685,149
In the Netherlands December 20, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 20, 1963
4 Claims. (Cl. 171—252)



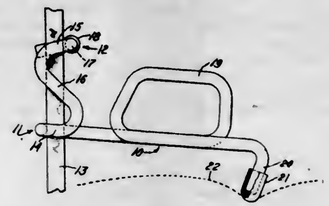
4. Dynamoelectric apparatus comprising a stator member built up from substantially identical iron sheets and having an internal cavity of substantially rectangular shape, a first pair of substantially identical pole members integral with and inwardly extending a predetermined height from two opposite sides of said cavity, a second pair of substantially identical pole members integral with and inwardly extending from the remaining two opposite sides of said cavity and each having a height less than one-third the distance between said latter opposite sides and having their top surfaces spaced apart a first given distance, said first pair of poles being shorter than said second pair of poles and all of said poles having substantially the same cross section, the top surface of said first pole members being spaced a second given distance from the projection of the wall surface of said second pair of pole members, a first pair of rectangular coils positioned on said first pair of poles and having a width substantially equal to the distance between the said remaining two sides of said cavity and having a height less than said first given distance, and a second pair of rectangular coils positioned on said second pair of poles and having a width less than the distance between the top surfaces of said first pair of poles and having a height less than said first given distance, two sides of each of said coils being parallel to the plane of the sheets of said stator member.

2,496,832
RADIO RECEIVING SYSTEM WITH AUTOMATIC TUNER
Marcel Wallace, East Port Chester, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y., a corporation of New York
Application July 18, 1946, Serial No. 684,630
15 Claims. (Cl. 250—20)



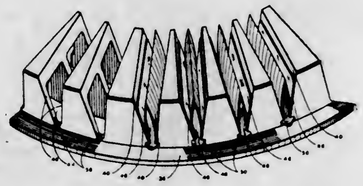
1. In combination, a signal generator, a circuit, a tunable signal translation device, means for selectively connecting said generator and said circuit to an input circuit of said signal translation device, means for modifying the tuning of said translation device rendered operative concurrently with connection of said translation device to said signal generator, and means operative in response to substantially identical tuning of said signal generator and of said translation device for disabling said means for modifying and for connecting said translation device to said circuit.

2,496,833
BEDCLOTHES CLAMP
Bronislaw Wandel, Boston, Mass.
Application December 19, 1945, Serial No. 635,908
1 Claim. (Cl. 24—72.5)



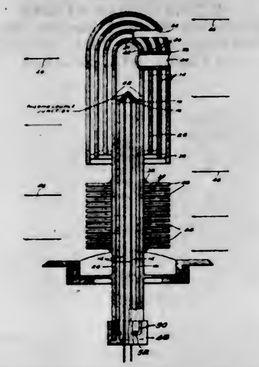
A bedclothes clamp made from a single length of bar stock having one end portion formed with a pair of opposed spaced-apart crotches disposed one above the other and adapted to embrace a slat or post of a crib or bedstead at opposite sides thereof, and said length of bar stock having its opposite end portion extending directly outwardly from one side of the lowermost crotch to provide a cantilever arm for engagement at its free end with the bedclothes thereby to cause said crotches to clutch said slat or post so that the clamp is held against displacement thereon, said cantilever arm having its intermediate portion provided with an upstanding handle loop and its outer end portion formed with a relatively short downwardly extending portion for endwise engagement with the bedclothes.

2,496,834
GAS VALVE CONSTRUCTION
Leslie A. Ward, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 28, 1944, Serial No. 520,070
7 Claims. (Cl. 277—46)



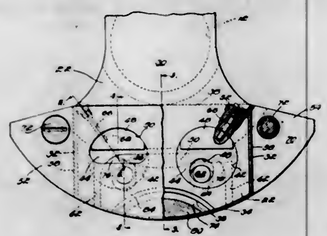
1. In a gas valve device, a base having a plurality of grooves, the boundary surfaces of which form valve seats, a valve in each groove engaging the seat, side members closing the ends of the groove, and clamping means for holding each valve against the base of the groove, said clamping means having resilient projections extending laterally beyond the ends of the grooves for engagement by said side members to hold the clamping means against the valves.

2,496,835
GAS TEMPERATURE PROBE OF THE THERMOCOUPLE TYPE
Leslie A. Ward, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 18, 1946, Serial No. 717,068
6 Claims. (Cl. 136—4)



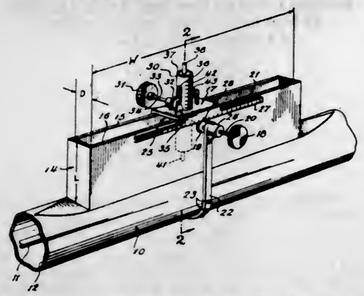
1. In a gas probe adapted to be inserted in a gas stream, a tube in which a thermocouple junction may be positioned, said tube having a closed end and a number of cup-shaped shields spaced from each other and in nested arrangement over the closed end of the tube, said shields and tube having aligned openings at right angles to the axis of the tube and shields and adjacent to the closed end of the tube for the admission of gas from the stream into the tube.

2,496,836
CRANKSHAFT TORSIONAL VIBRATION DAMPER
George L. Williams, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 31, 1947, Serial No. 725,625
13 Claims. (Cl. 74—604)



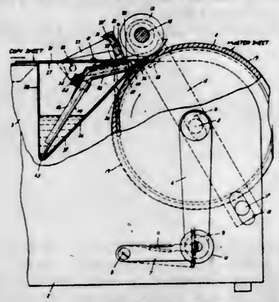
1. In combination with a rotatable shaft which is subjected during rotation to forced bending and torsional vibrations, a relatively heavy mass torsionally fixed to said shaft for rotation therewith, means providing for relative movement of said shaft and said mass in the general direction of the axis of rotation of said shaft, and a relatively light mass mounted on said heavy mass for torsional movements at a predetermined natural frequency relative to said shaft and said heavy mass.

2,496,837
ULTRA HIGH FREQUENCY APPARATUS
John R. Woodyard, Berkeley, Calif., assignor to The Sperry Corporation, a corporation of Delaware
Application September 20, 1946, Serial No. 698,361
17 Claims. (Cl. 178—44)



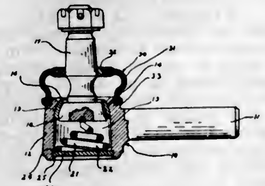
15. Ultra-high-frequency apparatus comprising two mutually spaced conductive members having opposed surfaces of substantially rectangular shape, a pair of conductive end members having opposed surfaces respectively interconnecting the respective opposed narrow end portions of said first-named members, said first-named members and said end members constituting a below cut-off wave guide section at the operating frequency and having a length sufficient to prevent the propagation of appreciable wave-energy therealong at the operating frequency, a conductive rod extending substantially perpendicular to the length dimension of said wave guide section and substantially parallel to said first-named surfaces and in the proximity thereof, electromagnetic energy conveying means connected for supplying electromagnetic energy for setting up a travelling electromagnetic field between said rod and said surfaces, and a probe extending into the space between said surfaces and movable longitudinally of said rod for measuring the strength of the electromagnetic field in the space between said surfaces.

2,496,838
MOISTENER FOR DUPLICATING MACHINES
Ansel J. Wright, Minneapolis, Minn., assignor to The Wright Co., a corporation of Minnesota
Application October 26, 1946, Serial No. 705,895
3 Claims. (Cl. 91—38)



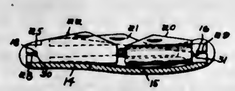
1. A moistening device for a duplicating machine comprising a tank having an opening in its upper wall over which the copy sheets pass to the impression cylinder, a plate having one end supported in the lower portion of the tank and having its upper marginal edge portion bent at an angle to the median plane of the plate and adapted to engage a fixed support to retain the plate in fixed relation to the opening in the upper wall in the tank, a moistening pad supported on the upper portion of said plate in alignment with the opening in the upper wall of the tank, a wick for conducting moistening fluid from the tank to said pad, and a clamping member carried by said plate and engaging the wick and moistening pad to secure together said parts whereby the moistening device including the plate, wick, moistening pad, and clamp, may be inserted into the tank or removed therefrom as a unitary structure.

2,496,839
SOCKET JOINT
Alfred A. Abramoska, Parma, Ohio
Application January 23, 1946, Serial No. 642,867
3 Claims. (Cl. 287—90)



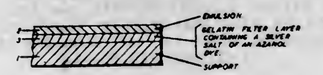
1. In a socket joint, a housing including a segmental spherical seating surface forming a socket, said housing having an opening therethrough, said opening being located in the socket; a stud extending freely through said opening and into said housing, said stud having a segmental spherical portion complementary to said socket; and a coiled wire spring supported in said housing, one end portion of the wire of said spring projecting axially from the coiled spring and the end of said portion of the wire engaging said stud for resiliently urging said stud into said socket, said stud having a recess in the end thereof in the housing for receiving said end of the spring wire, the portion of the wall of said recess contacting said end of the coil spring being disposed at the center of the spherical portion of said stud whereby substantially no movement is imparted to said spring wire by swivel movement of said stud in said socket.

2,496,840
SPORTSMAN'S KNIFE
Paul R. Alexander, Saugus, Mass.
Application April 16, 1948, Serial No. 21,383
2 Claims. (Cl. 67—7.1)

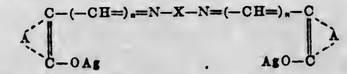


1. In a sportsman's knife comprising a narrow elongated body serving as a handle, a pair of blade members pivotally carried by the handle for movement between an operative position outside said body and an inoperative position within said body, a resilient member associated with each of said blade members and adapted to hold the latter in said positions, and means permitting one of said blade members to be detached from said body, the improvement wherein at least a portion of one of said blade members is a pyrophoric material whereby the detachable member when removed from said body may be rubbed against the other blade member to produce sparks.

2,496,841
PHOTOGRAPHIC FILTER AND ANTIHALATION LAYERS CONTAINING A SILVER SALT OF AN AZANOL DYE
Alfred W. Anish, Raiford Manor, and Lee C. Hensley, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Original application August 9, 1946, Serial No. 689,503. Divided and this application October 5, 1946, Serial No. 701,424
7 Claims. (Cl. 95—8)



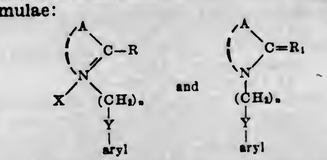
1. A photographic light sensitive element which comprises a support, a gelatino silver-halide emulsion and a filter layer containing a silver salt having the general formula:



wherein A represents the atoms necessary to complete a member selected from the class consisting of a 5-membered and 6-membered heterocyclic ring system, n represents a positive odd integer of from 1 to 3, and N—X—N is a radical of an amine containing two primary amino groups of not more than 14 carbon atoms and selected from the class consisting of hydrazine, aliphatic, aromatic and heterocyclic primary diamines.

2,496,842
CYANINE DYE INTERMEDIATES CONTAINING AN ARYLOXY-, ARYLTHIO- OR ARYLSELENOALKYL - P - TOLUENESULFONATE GROUP ATTACHED TO THE NITROGEN ATOM THEREOF
Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 9, 1947, Serial No. 767,846
4 Claims. (Cl. 260—298)

1. Heterocyclic nitrogenous sensitizing dye intermediates selected from the class consisting of those characterized by the following general formulae:



wherein A represents the atoms necessary to complete a heterocyclic nitrogenous nucleus of the type usual in cyanine dyes, R represents a

member of the class consisting of methyl, anilinovinyl, acylanilidovinyl, alkylthio, arylthio, alkylthiovinyl, arylthiovinyl, and halogenovinyl groups, R_1 represents a member selected from the class consisting of methylene, formylmethylene, formylpropenylidene, and acylmethylene groups, X represents an anionic acid radical, Y represents a member selected from the class consisting of oxygen, sulfur and selenium, and n represents a number taken from the group of 2 and 3.

2,496,843

PHOTOGRAPHIC ELEMENTS CONTAINING HYDROXY HEAVY METAL SALTS OF TRINUCLEAR IMINOL CYANINE DYES AS FILTER AND ANTIHALATION DYES

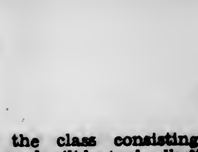
Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application March 14, 1945, Serial No. 582,819, now Patent No. 2,450,390, dated September 28, 1948, which is a division of application Serial No. 573,631, January 19, 1945, now Patent No. 2,471,996, dated May 31, 1949. Divided and this application March 10, 1948, Serial No. 14,148

8 Claims. (Cl. 95—8)



1. A photographic light-sensitive element which comprises a gelatino silver-halide emulsion and a filter layer containing a hydroxy heavy metal salt of a trinuclear iminol cyanine dye characterized by the following general formula:



wherein X and Y represent the atoms necessary to complete a nitrogenous heterocyclic ring system, Z represents the atoms necessary to complete a member selected from the class consisting of a five-membered and six-membered heterocyclic ring system, n represents a positive odd integer of from one to five, and R represents a heavy metal.

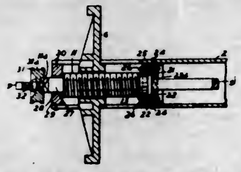
2,496,844

WARP BEAM

William Attenborough, Beeston, England, assignor to Frederick William Radford, Chilwell, England

Application August 6, 1947, Serial No. 766,640
In Great Britain April 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 9, 1966
11 Claims. (Cl. 242—124)

1. A warp beam having at least at one end a hollow cylindrical portion, at least one axial slot in said portion, an end flange comprising a boss located in the interior of the hollow portion of the beam and at least one spoke extending out from the boss through the slot, a spindle extending axially within the beam and through the boss, an exteriorly screw threaded sleeve rotatably mounted on the spindle, a screw threaded axial bore in the boss through which the sleeve



extends with a screw engagement, and means for restraining the sleeve against axial movement.

2,496,845

BATH FOR BRASS IMMERSION COATING ON ALUMINUM AND ALUMINUM ALLOY

Alvin R. Balden, Plymouth, and Leland M. Morse, Pontiac, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

No Drawing. Application June 10, 1946, Serial No. 675,826
8 Claims. (Cl. 106—1)

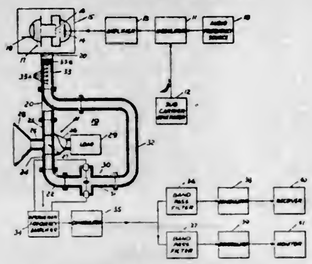
1. A bath for depositing a brass coating by chemical displacement comprising from approximately 8 oz. to 45 oz. per gallon sodium zincate, from approximately 25 oz. to 125 oz. per gallon of sodium hydroxide, from approximately .1 oz. to 6 oz. per gallon of copper cyanide, from approximately .1 oz. to 12 oz. per gallon of sodium cyanide, from approximately .003 oz. to .1 oz. per gallon of basic lead carbonate, and the remainder water.

2,496,846

COMMUNICATION SYSTEM

Richard F. Baum, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 18, 1947, Serial No. 735,515
3 Claims. (Cl. 250—9)



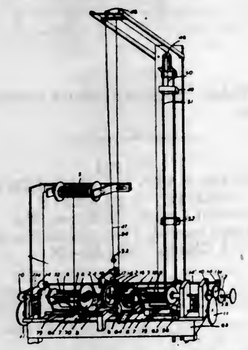
1. A communication system comprising: means for locally generating a carrier and a subcarrier wave; means for modulating said subcarrier with local intelligence; means for modulating said carrier in accordance with said modulated subcarrier; means for transmitting and receiving, respectively, said locally-generated carrier wave, and a remotely generated carrier wave similarly modulated; means for mixing said transmitted and received carrier waves to produce an intermediate frequency wave; means for demodulating the output of said mixing means to extract said subcarrier waves; means for separating said subcarrier waves; and means for demodulating said subcarrier waves to extract the local and remote intelligence therefrom.

2,496,847

WIRE WINDING MACHINE, PARTICULARLY FOR ELECTRIC HEATING ELEMENTS

Alexander Jaques Emil Behm and Elsie May Behm, Nottingham, England

Application March 25, 1947, Serial No. 737,070
In Great Britain October 22, 1946
11 Claims. (Cl. 242—1)



1. A winding machine for winding a single piece of resistance wire helically onto two flat formers simultaneously in such manner that the helices on the two formers are of opposite spirality, comprising two rotatable end chucks spaced apart in the axial direction and having jaws for gripping the outer ends of the two formers, a rotatable centre chuck positioned between said end chucks and having jaws for gripping the inner ends of the two formers whereby the formers are located end to end and each extends between the centre chuck and an end chuck, two traversing wire guides for feeding the ends of said piece of wire to the respective formers, means for traversing said guides simultaneously along their respective formers but in opposite directions, and a rotatable steady-device, traversing with each guide, for giving local support to the associated former each of which devices comprises a pair of rollers for gripping the former between them and for rolling along it as the device traverses.

2,496,848

PRODUCTION OF CRYSTALLINE PENICILLIN SALTS

Finn W. Bernhart, Solon, Ohio, assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application April 25, 1944, Serial No. 532,649
8 Claims. (Cl. 260—302)

1. A process of preparing a substantially pure, crystalline salt having a penicillin activity of about 1600 units per mg., comprising crystallizing from an aqueous solution a partially purified preparation, derived from a culture broth of *Penicillium notatum* and having a potency of about 1000–1200 units per mg., in the presence of a highly water-soluble neutral salt, separating the crystals, and recrystallizing the same from an organic solvent.

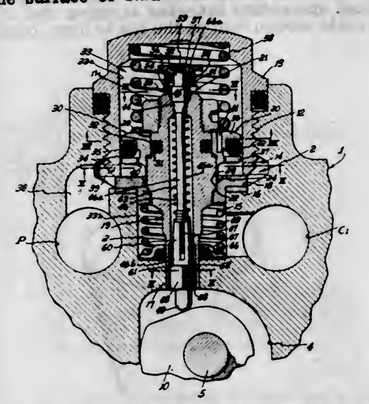
2,496,849

VALVE

Alex Bertea, Pasadena, Calif.; H. Dexter McKay, executor of said Alex Bertea, deceased

Application November 15, 1944, Serial No. 563,504
5 Claims. (Cl. 251—27)

1. In a valve structure, the combination of a movable valve member, a seat member upon which said movable member may seat, a tubular metallic flexible seal surrounding said movable member and extending therealong toward said seat member to engage said seat member and be flexed thereby into conformity with the shape of the surface of said seat to thereby provide



a fluid tight seal between said members irrespective of the accuracy of the fit of said members to each other, and means mounting said tubular seal for limited movement along said movable member toward and away from said seat member independent of the position of said movable member relative to its seat member.

2,496,850

METHOD AND APPARATUS FOR MANUFACTURING CONCRETE PARTS

Raymond Bertrand, Brussels, Belgium, assignor to Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, Liege, Belgium

Application October 23, 1946, Serial No. 705,211
In France November 6, 1945
7 Claims. (Cl. 25—118)



1. A device for the manufacture of a concrete part formed in a mould, which is removed therefrom prior to the hardening of the concrete and which includes two portions whereof the relative angular position has to be effected with great precision, said device comprising a first member adapted to act upon one of said portions, a second member fixed thereto in the correct angular position to be given to the said portions and means to so guide said second member as to coincide with the position of the other of said portions, and means for exerting pressure upon the first said member.

2,496,851

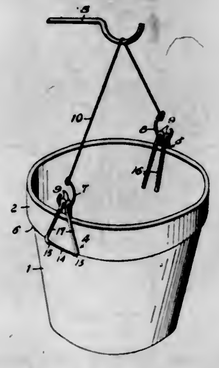
FLOWERPOT HANGER

William A. Bochau, Baltimore, Md.

Application December 9, 1947, Serial No. 790,648
3 Claims. (Cl. 248—318)

1. A flower pot hanger adapted to suspend the conventional flower pot having a frusto-conical

shape with an outer rim, which comprises in combination at least two spring clips each having a single horizontal outer arcuate section conforming to the shape of the pot and adapted to grasp the outside wall of the pot beneath the rim, said horizontal arcuate section being of sufficient length to prevent the pot from tipping when hung, upstanding branches at either end of said arcuate section bent at the top to form loops and



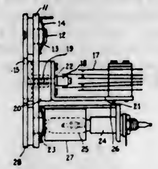
constructed to converge at the top so that the loops are closely adjacent, said loops having depending inner branches bent so as to permit the clip to be slipped over the lip of the pot and adapted to press resiliently against the inside wall of the pot, said upstanding branches being of equal length and being off-set from said arcuate section so as to fit around the rim of the pot, and suspending means secured to the loops of said clips.

2,496,852
VINYL HALIDE RESINS PLASTICIZED WITH A DIOCTYL TETRACHLOROPHTHALATE
George J. Bohrer, Troy, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 15, 1946, Serial No. 641,411
1 Claim. (Cl. 260—31.8)

A strong, flexible film comprising, by weight, 60 parts gamma polyvinyl chloride and 40 parts di-(2-ethylhexyl) tetrachlorophthalate, the said film having a weight loss of only one per cent, by weight, when heated at 125° C. for three hours.

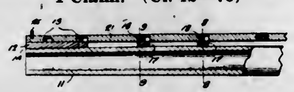
2,496,853
INDICATING BOARD FOR ELECTRIC POWER NETWORKS
George Arthur Burns, Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 30, 1945, Serial No. 585,669
In Great Britain April 27, 1944
2 Claims. (Cl. 175—298)

1. In an electrified line diagram board, a base panel having a plurality of apertures in spaced quadrature relation therein and a plurality of small interchangeable escutcheons mounted side by side on said panel, stems attached to one face of each of said escutcheons and extending through said panel apertures, retaining means associated with said stems for maintaining said escutcheons in abutting relationship with said base panel, said retaining means being concealed from the faces of said escutcheons, a mimic pattern defined by said escutcheons, and electric



control switches mounted behind certain of said escutcheons.

2,496,854
REMOVABLE VENTILATED RIB FOR SHOTGUN BARRELS
Carroll Crank, Clarence, Mo.
Application June 4, 1948, Serial No. 31,033
1 Claim. (Cl. 42—76)



A device of the character described comprising, in combination, a shotgun barrel, an elongated block atop the forward end of the barrel, an elongated block atop the rear end of the barrel, a pair of forwardly extending hooks formed integrally with each of said elongated blocks, a series of single blocks, affixed to the top of the barrel in spaced relation between the elongated blocks, a screw-receiving block centrally disposed and in spaced alignment with the single blocks, a forwardly directed hook member integrally formed upon each of the single blocks, a rib having a plurality of sockets constituting its only openings and located in its underside to receive the hook members, said openings being closed when said hook members are received, and a centrally disposed threaded opening and a screw adapted to threadably engage the opening in the rib and the screw-receiving block when said hook members have been inserted in said sockets.

2,496,855
RAILWAY BRIDGE JOINT
Asa B. Chapman, Evanston, Ill., assignor to Conley Frog and Switch Co., Memphis, Tenn., a corporation of Tennessee
Application October 25, 1946, Serial No. 705,619
10 Claims. (Cl. 104—131)



1. An expansion and bridge joint for railroad tracks and the like, including a trough having portions lying on opposite sides of a gap in alignment with a railroad track rail, two track points one integral with and contained within the trough in extension of a track rail, the other movably seated in the trough, in extension of a track rail aligned with the first rail, the movable track point and the trough having opposed inclined bearing surfaces, a plurality of bearing blocks integral with one and projecting toward the opposed bearing surface whereby the movable point is firmly supported in the trough, the bearing surface of the track points being raised above

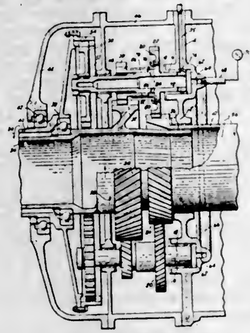
the remainder of the wheel surfaces of the joint from the smaller end of the point back to the place where the width of the track point is equal to half of the width of the track wheel bearing surface.

2,496,856
CARBON PAPER
Charles B. Cook, Jr., West Hartford, Conn.
Application June 12, 1946, Serial No. 676,251
2 Claims. (Cl. 282—28)



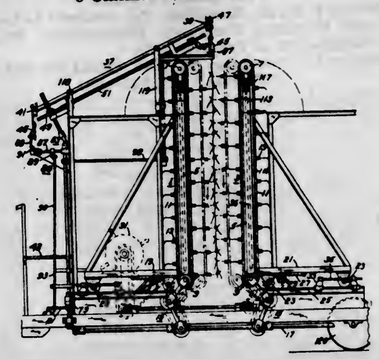
1. For carbon paper, a sheet corrugated to provide a plurality of parallel closely juxtaposed fine stiffening ribs extending to at least one edge thereof and running crosswise to the direction of the grain of said sheet.

2,496,857
REDUCTION GEAR UNIT
Val Cronstedt, Malboro, and Alexander H. King, West Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 14, 1947, Serial No. 785,948
6 Claims. (Cl. 74—410)



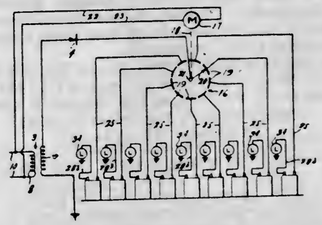
1. In a reduction unit, a power input shaft, a pair of driven shafts, a plurality of jack shafts arranged around said power input shaft, a gear carried by each jack shaft and each gear having helically arranged teeth, a gear on said power input shaft meshing with said jack shaft gears, each of said jack shaft gears being axially slidable relative to the gear on the input shaft, gears connected to each of said driven shafts and other gears on each jack shaft meshing with said driven shaft gears, the gear connected to one of the driven shafts and the gears on the jack shaft meshing therewith having helically arranged teeth, said last mentioned helical gears on the jack shaft being axially slidable relative to the intermeshing gear and hydraulic means for separately resisting the axial movement of each set of the helical tooth gears on the jack shafts relative to the gear on the power input shaft and the gear on the driven shaft meshing therewith.

2,496,858
HOP-PICKING MACHINE
Millard E. Crowley, Elk Grove, Calif., assignor of twenty-four percent to William C. Nichols and twenty-five percent to Welles H. Newlands, both of San Francisco, Calif.
Application August 18, 1945, Serial No. 611,303
8 Claims. (Cl. 130—30)



1. A hop-picking machine comprising a pair of spaced vertically disposed picker columns; means for removably supporting hop vine between said picker columns; means for causing relative approach of said picker columns to bring the same into picking relationship to such vine, said means including a movable platform associated with each of said columns and carrying the same, a rack on each of said platforms, a fixedly mounted pinion meshing with each such racks, and a manually operable drive connection to each of said pinions with one of said drive connections reversed to produce simultaneous but opposite directions of rotation of said pinions; and means responsive to separation of said picker columns for replacing such vine with a fresh vine between said picker columns.

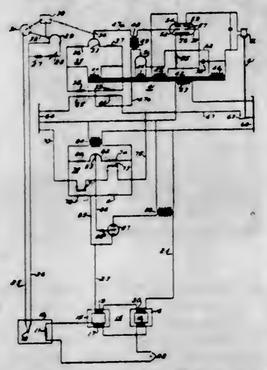
2,496,859
BATTERY CHARGER
Clarence W. Dalzell, West Caldwell, N. J., assignor to Heyer Industries Incorporated, Belleville, N. J., a corporation of Delaware
Application May 8, 1946, Serial No. 668,179
2 Claims. (Cl. 320—19)



1. In combination with a metallic rack for supporting a group of batteries, means including a circuit for supplying charging current to the batteries, multi-contact rotary switch means constructed and arranged in the circuit for connecting individually the batteries in said group successively in the circuit, and mechanism including

motor means for operating the switch, said circuit having a common conductor to the batteries, and said rack constituting at least a part of said common conductor.

2,496,860
CONTROL SYSTEM
Elwood T. Davis, Brookline, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1945, Serial No. 630,400
12 Claims. (Cl. 236—68)



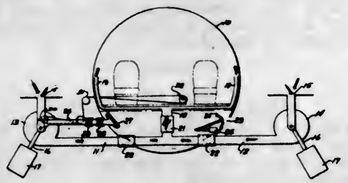
1. The combination with a balanceable network having means for unbalancing said network in accordance with variations in the magnitude of a condition, thermal means respectively included in said network and operable in accordance with the output of said network for modulating the output thereof, one of said thermal means being effective immediately to rebalance said network upon unbalance thereof and the other of said thermal means being later effective further to unbalance said network, of means for converting said modulated output into one which is smoothly variable over a range of condition-controlling magnitudes, and means for varying the magnitude of said condition in accordance with said smoothly variable output.

2,496,861
PICKUP PROVIDED WITH A MEMBER FOR PROTECTING THE SCANNING NEEDLE
Jan de Boer and Gerrit Schenkel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 9, 1946, Serial No. 668,380
In the Netherlands November 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1961
5 Claims. (Cl. 274—25)



1. A pick-up for a sound reproducing machine comprising a body portion, means for mounting a needle so that said needle may project from a face of said body portion, and a protector member for a needle which may so project, said protector member being mounted on pivotal means on said face of said body portion offset from said needle mounting means in a direction substantially normal to the direction of movement of a phonogram carrier for pivotal movement in a plane substantially parallel to that of said face, and said pivotal means being located with respect to said mounting means and said protector member being constructed and arranged in order that said protector member may be pivoted to a position for substantially covering a needle mounted in said mounting means for protecting the needle from injurious engagement with an object and away from said position for uncovering the needle.

2,496,862
VENTILATION SYSTEM
Bruce E. Del Mar, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application July 15, 1946, Serial No. 683,805
5 Claims. (Cl. 98—1.5)



4. A ventilation system for an aircraft cabin, comprising: a plurality of means for delivering ambient air under a pressure higher than ambient pressure to said cabin for pressurizing the same; duct means leading from the cabin to the inlet of one of said air delivering means; valve means disposed at the intersection of said last named duct means and the inlet for ambient air of said one air delivering means and movable between alternate positions, said valve means in one of said positions closing said inlet and opening said duct means and in the other of said positions closing said duct means and opening said inlet means; and means within said cabin for moving said valve means to and from said alternate positions whereby said valve means may be moved to the position in which the same closes said inlet and opens said duct means so that said air delivering means can be used to recirculate at least a part of the air furnished to said cabin.

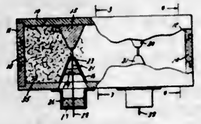
2,496,863
METHOD FOR PRODUCING CAST IRON RICH IN CARBON
Jean Baptiste Deschamps and Jacques Bergier, Paris, France, assignors to Sté S. E. R. A. P. (Societe d'Etudes, de Recherches et d'Applications des Poudres agglomerees), Paris, France
No Drawing. Application October 16, 1947, Serial No. 780,302. In France November 6, 1946
9 Claims. (Cl. 75—130)

1. A process for the production of gray pig iron that is super-saturated in carbon content, comprising in combination, the steps of melting the iron; and incorporating therein an amount of carbon in excess of that required for saturation by subjecting the melt to a high frequency vibration ranging between about 10,000 and 50,000 cycles per second, thereby effecting a homogeneous dispersion of the carbon in the pig iron.

2,496,864
EMULSION POLYMERIZATION OF STYRENE
Edmond F. Fiedler, Adams, and Glennard R. Lucas, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application April 24, 1948, Serial No. 23,128
12 Claims. (Cl. 260—93.5)

1. The method of producing a crystal-clear polystyrene free of dicoloration and having a heat distortion temperature of at least 90° C., which method comprises heating an emulsified mass comprising (1) styrene, (2) water, (3) an alkali-metal hydroxide sufficient to neutralize at least 85 per cent of the fatty acid component of (4), (4) a fatty acid component selected from the class consisting of (*a*) myristic acid, (*b*) palmitic acid, (*c*) stearic acid, and (*d*) mixtures of saturated aliphatic monocarboxylic acids having an even number of carbon atoms and containing from 12 to 18 carbon atoms whose average molecular weight is equal to from at least 210 to less than 284, said fatty acid component being present in an amount equal to from 0.3 per cent up to and including 1 per cent, by weight, based on the weight of the styrene, and (5) a polymerization catalyst comprising 1-hydroxycyclohexyl hydroperoxide-1.

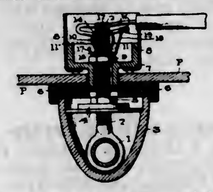
2,496,865
ELECTRONIC DISCHARGE DEVICE
Milan D. Fiske, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 7, 1946, Serial No. 667,816
12 Claims. (Cl. 250—27.5)



1. An electronic discharge device comprising an enclosing envelope, an anode, a cathode and a control electrode in spaced relationship within said envelope, an ionizable gas within the envelope for supporting an ionized discharge therein when favorable potentials are applied to said anode, cathode and control electrode, and a discharge-pervious mass of finely divided inert insulating material in the space between said anode and control electrode capable of increasing the rate of deionization upon termination of a discharge through the device.

2,496,866
FASTENING DEVICE
Laurence H. Flora, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 18, 1947, Serial No. 755,432
2 Claims. (Cl. 173—259)

2. A clip comprising a generally U-shaped sheet metal body providing a pair of spring arms extending in the same general direction and bent intermediately inwardly toward each other to provide constricted portions adjacent the open end of the generally U-shaped body, the bight of said U-shaped body having a stud passage and each of said spring arms having a slot extending from said stud passage and terminating in its constricted portion to define a stud engaging element, said spring arms being further bent adjoining said constricted portions to provide outwardly diverging guide portions adapted to cam outwardly over the end of a stud to permit passage of the stud between said constricted portions into engagement with said stud engaging elements.



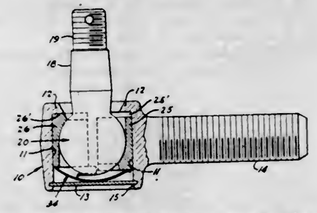
2,496,867
3-VINYLPYRENE AND METHOD OF PREPARING THE SAME
Ralph G. Flowers, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 13, 1948, Serial No. 26,939
3 Claims. (Cl. 260—669)

3. The method of preparing 3-vinylpyrene which comprises passing 3-(alpha-hydroxyethyl) pyrene over activated alumina thereby to dehydrate the 3-(alpha-hydroxyethyl) pyrene to form 3-vinylpyrene.

2,496,868
POLYMERS OF 3-VINYLPYRENE
Ralph G. Flowers, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 13, 1948, Serial No. 26,940
12 Claims. (Cl. 260—87.3)

1. A 3-vinylpyrene polymer.

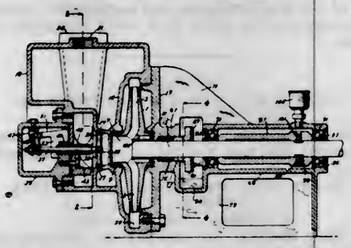
2,496,869
JOINT CONSTRUCTION
William A. Flumerfelt, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio
Application July 31, 1944, Serial No. 547,453
10 Claims. (Cl. 287—90)



1. In combination, a socket housing having a cylindrical bore therethrough, an inwardly extending flange at one end of said bore; a ball stud; a ball on said stud located within said bore; a pair of reversely arranged substantially identical integral take-up and ball seat units and ball seats between said ball and said housing arranged to form a spherical shaped seating surface for said ball, one of said take-up and ball seat units being in contact with said housing flange and the other spaced therefrom; spring retaining means in said housing at the end opposite to said flange; and spring means between

said units and said spring retaining means, said spring means operating to maintain the one take-up and ball seat unit in contact with said housing flange and for moving the other unit toward said flange upon wear with said ball in contact with both said units.

2,496,870
SELF-PRIMING PUMP
Albert J. Granberg, Oakland, Calif.
Application December 26, 1946, Serial No. 717,517
7 Claims. (Cl. 103—113)



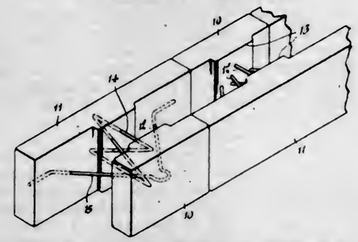
1. A self-priming impeller pump assembly comprising an impeller; a casing enclosing said impeller and having an axial input opening to said enclosed impeller; a priming chamber; an input passage leading to said input opening and having a wall exposed to the interior of said priming chamber, said passage having at least one connecting opening therethrough to the interior of said priming chamber; a valve disposed in said passage, and adapted in its seated position to close said connecting opening, said valve having an opening therethrough to permit substantial normal flow through said input passage and a valve stem extending therefrom through the wall of said input passage; and means adapted to withdraw said valve from seating position upon drop of hydrostatic pressure of flowing liquid against said valve, to expose said connecting opening and permit flow of liquid from said priming chamber into said input passage.

2,496,871
FLEXIBLE SHAFT COUPLING
Percy M. Griffin, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application September 7, 1944, Serial No. 553,085
6 Claims. (Cl. 74—380)



1. In a flexible shaft coupling a pair of meshed gears, one of said gears having tooth forming projections about the periphery thereof, and the other of said gears having recesses about the periphery thereof meshing with said projections on the first mentioned gear when the axes of said gears are in side-by-side, parallel disposed relation; said tooth forming projections extending axially beyond one side of said first mentioned gear and terminating in hemispherical surfaces meshing with the recesses in said other gear when said gears are coaxial.

2,496,872
BUILDING BLOCK WITH SPACED SLABS
Leon A. Hallstead, Buffalo, N. Y., assignor to X-T Building Block, Inc., Buffalo, N. Y., a corporation of New York
Application August 15, 1947, Serial No. 768,845
4 Claims. (Cl. 72—44)



2. A building block, comprising front and rear molded slabs disposed in laterally-spaced relation and defining the front and rear faces of the block, and lattice-like means of wire spanning said slabs and anchored at their ends in the latter, certain of said wire means being disposed in crossed relation substantially centrally and vertically of the block and other of said wire means being substantially V-shaped and disposed horizontally and obliquely to the plane of the slabs with its vertex anchored centrally of one of said slabs and its divergent legs anchored at their ends in the corresponding ends of the companion slab.

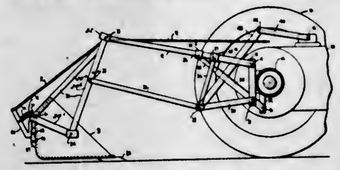
2,496,873
FELTING AND SHRINKING PROCESS
Manfred T. Hoffman, Newburyport, Mass., assignor to Merrimac Hat Corporation, Amesbury, Mass., a corporation of Massachusetts and Neumann-Endler, Inc., Danbury, Conn., a corporation of Connecticut
No Drawing. Application April 16, 1946, Serial No. 662,603
7 Claims. (Cl. 28—72.3)

1. The method of felting and shrinking a fibre bat after hardening to form thereof a felt body which comprises advancing the bat while subjecting a surface thereof to oscillating working motion relative to its other surface parallel to the plane of the bat and while applying pressure and water to the bat, and during the process progressively increasing the length of said oscillatory working motion, the amount of said pressure and the temperature of said water and progressively reducing the frequency of said oscillatory motion.

2,496,874
DITCHDIGGING ATTACHMENT FOR TRACTORS
Vaino J. Holopainen, Hubbardston, Mass., assignor to Wain-Roy Corporation, Hubbardston, Mass., a corporation of Massachusetts
Application June 25, 1947, Serial No. 756,850
1 Claim. (Cl. 37—126)

A ditch-digging attachment for a tractor comprising a pair of rearwardly extending upper arms pivoted on the tractor, depending rigid frame members pivoted to the rear ends of said arms, a bucket pivotally mounted on said depending frame members and open forwardly, means to latch said bucket to said frame members, a pair of lower arms pivoted to said tractor substantially below said first pair of arms and

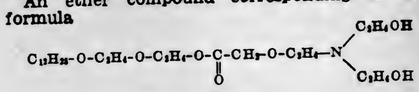
also extending rearwardly, links connecting the rear ends of said lower arms to intermediate points on said upper arms, additional links connecting the rear ends of said lower arms to intermediate points on said rigid frame members, fluid-operated mechanism effective to swing said upper arms up and down, and auxiliary fluid-operated devices pivoted to said tractor at



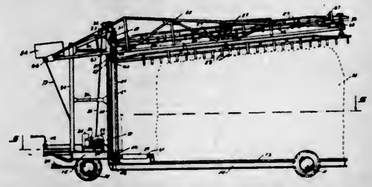
their lower ends and to intermediate points on said upper arms at their upper ends and effective to supply auxiliary power to move said upper arms and bucket, and said arms and links being so proportioned that they maintain the orientation of said bucket substantially unchanged as said bucket is raised and lowered by said upper arms.

2,496,875
ETHER DERIVATIVES
Morris Katzman and Albert K. Epstein, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 11, 1945, Serial No. 572,422
1 Claim. (Cl. 260—482)

An ether compound corresponding to the formula

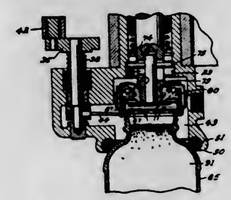


2,496,876
HAY DISTRIBUTING TRUCK
Allan J. Kayser, Denver, Colo., assignor to K & K Manufacturing Company, Denver, Colo.
Application March 9, 1948, Serial No. 13,930
5 Claims. (Cl. 214—83.16)



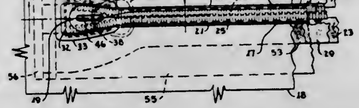
1. A vehicle for hauling a hay stack and distributing hay from said stack, comprising: a wheel-supported stack-carrying bed; columns arising from a forward extremity of said bed; trusses extending rearwardly from said columns over the hay stack; crank shafts extending transversally between said trusses; rake bars extending in parallel relation between the cranks of said crank shafts; rake teeth projecting downwardly from said rake bars; means for rotating said crank shaft to cause said teeth to rake hay forwardly from the top of said stack; conveying means positioned to receive the raked hay and carry it to the side of said bed, said trusses being vertically movable on said columns; and means for lowering said trusses as said stack lowers.

2,496,877
METHOD OF AND APPARATUS FOR SEALING CONTAINERS
Frank W. Krueger, Saratoga, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application February 14, 1948, Serial No. 8,341
8 Claims. (Cl. 226—82)



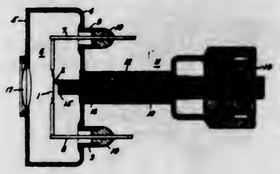
6. In a rotary vacuum capper, the combination of: a rotor having a plurality of vacuum capping units thereon; means in each unit to form a vacuum chamber about a mouth portion of a container; means for imposing a vacum on said chamber; means for capping said container while said vacuum is maintained in said chamber; a screen in said chamber; and means responsive to the rotation of said rotor for shifting said screen in said chamber between operative and inoperative positions, said screen covering the mouth of said container in said operative position.

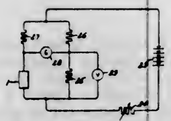
2,496,878
SEALING CLOSURE
Carroll P. Krupp, Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 2, 1945, Serial No. 575,773
12 Claims. (Cl. 24—205.1)



1. A sealing closure for adjacent margins having a slot between them terminating in a closed end, said closure comprising fastener means for detachably securing said margins including a closing member movable along said slot and positionable at said end, and sealing elements of resilient material extending along said margins and merging at said end, said sealing elements comprising lateral portions of said material tapering to edges and being in continuation of one another along a continuously curved path around said end at the region of merger of said elements, said closing member having a seating surface with a continuously rounded end area matching the curve of and slidably cooperating with said sealing elements and said sealing elements slidably cooperating with each other for continuity of sealing along said slot and sealing continuously around the rounded surface of said member by lip-action flexure of the edge of one of said lateral portions against the other sealing element and against said rounded surface.

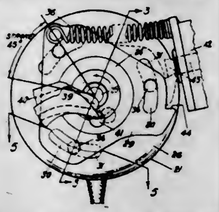
2,496,879
HIGH-FREQUENCY DETECTION AND MEASUREMENT DEVICE
James M. Lafferty, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 24, 1947, Serial No. 781,885
12 Claims. (Cl. 250—39)





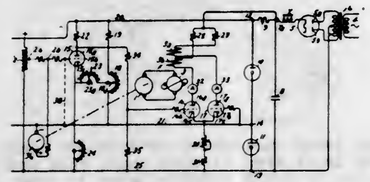
12. A device for measuring electromagnetic waves comprising a bolometer element including an extended conductive surface of thickness which is relatively negligible with respect to the length of said waves, said surface having an impedance per square substantially equal to the wave impedance of air, a wave reflecting member having an extended reflecting surface positioned to reflect said waves to said element, said member being spaced from said element by a distance substantially equal to an integral number of quarter wavelengths of said waves, the surface of said bolometer element and said member being plane and mutually parallel, and means for adjusting the spacing between said element and said member.

2,496,880
MAGNETICALLY OPERATED DEVICE
George H. Leland, Dayton, Ohio
Application June 26, 1944, Serial No. 542,188
19 Claims. (Cl. 175—336)



2. A device comprising a structure including an electro-magnet, an armature supported by said structure for movement toward and from said magnet, parts connected respectively with said armature and said structure and arranged in opposed relation one to the other, said parts having a plurality of pairs of opposed inclined surfaces, and rotatable elements arranged between said parts in rolling engagement with the inclined surfaces of the respective pairs of surfaces, the arrangement of said rotatable elements with relation to said inclined surfaces being such that the relative movement of said inclined surfaces and said rotatable elements by the movement of said armature toward said magnet will impart rotary movement to said armature.

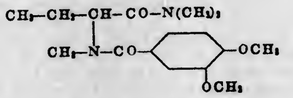
2,496,881
COMPENSATED DEGENERATIVE CONTROL CIRCUIT
Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 28, 1946, Serial No. 657,878
6 Claims. (Cl. 318—146)



4. A control system for a dynamo electric machine provided with a control device for varying the operating characteristic thereof comprising positive and negative supply conductors, a third conductor having a voltage intermediate the voltages of said positive and negative conductors, a source of control voltage, a potentiometer connected across said positive and intermediate voltage conductors and provided with a movable contact, means for controlling said operating characteristic of the dynamo electric machine comprising an electric valve provided with an anode, a cathode and a control grid and an electrical connection from the anode-cathode circuit of said valve to said control device for rendering said device responsive to variations in the current of said anode-cathode circuit, said valve having said grid connected to said control voltage source and said anode connected to said positive conductor and said cathode connected to said movable contact to provide for adjusting said operating characteristic of said machine to a predetermined value, means for varying the sensitivity of control of said valve comprising a variable resistor connected in circuit between said cathode and said movable contact, and means for maintaining said characteristic constant at said predetermined value during adjustment of said resistor to vary said sensitivity comprising a second variable resistor connected between said cathode and said negative conductor for equalizing the voltage of said cathode with the voltage of said movable contact.

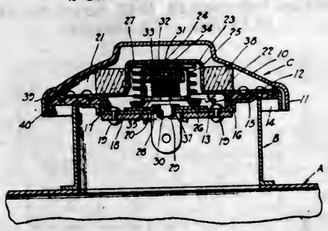
2,496,882
N-AROYL ALANINE AMIDES
Henry Martin and Hans Gysin, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application November 25, 1947, Serial No. 788,096. In Switzerland December 18, 1942
4 Claims. (Cl. 260—559)

1. The acylated aliphatic aminocarboxylic acid dialkylamide of the formula



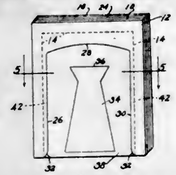
which is a colourless liquid with a boiling point of 192°–193° at 0.2 mm. mercury pressure.

2,496,883
GASOLINE TANK CAP
James C. McKaig, Pittsburgh, Pa.
Application March 16, 1945, Serial No. 583,112
2 Claims. (Cl. 220—44)



1. A cap for filling spout of a fuel tank comprising a crowning body, a lining telescopically fitted within the crowning body and having a countersunk centrically located circular area with a vent opening therein, a valve housing tightly fitted within the countersunk circular area and having a dome extending upwardly above the lining and with a vent opening therein, an exhaust valve confined within the dome of the housing and normally seated against the lining and over the vent opening thereof, said exhaust valve having a vent opening, an intake valve confined within the exhaust valve and cooperating therewith to close its opening, and a filtering ring tightly fitted about the dome of the housing and extending between it and the crowning body, a spring extending between the exhaust valve and the dome of the housing to maintain the exhaust valve on its seat on the lining, and means on the lining adapted to secure the cap to the fuel tank spout.

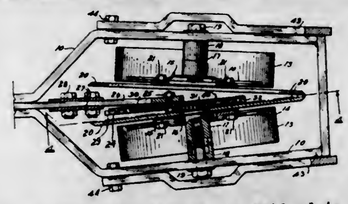
2,496,884
METHOD OF MAKING PICTURE FRAMES
Carroll C. Miles, Leominster, Mass.
Application May 9, 1947, Serial No. 747,054
4 Claims. (Cl. 154—125)



1. Method of making a frame comprising the steps of securing two sheets of material together, cutting through a portion of one sheet only along a line of general U-shape, securing the sheets to an open front frame along the U, and then cutting the other sheet along a line of general U-shape forming a smaller U within the area of the first named U, the areas between U's having been left unsecured.

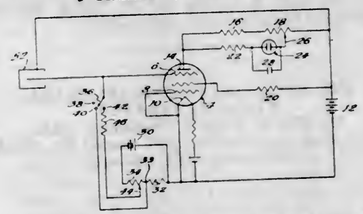
2,496,885
PLANTER
Paul E. Milton, Johnstown, Colo.
Application February 19, 1946, Serial No. 648,750
3 Claims. (Cl. 111—77)

1. In a seed planter of the type having two vertically positioned furrow discs inclined toward each other at their forward edges, means for dropping seeds between said discs comprising: a support extending between said discs; a circular wheel plate mounted on said support so as to rotate in a plane substantially parallel to one of said discs overlapping the axis thereof; a ring



gear concentrically secured to said plate, said ring gear having seed-receiving notches in its periphery; and a drive pinion axially secured to and projecting from said latter disc into mesh with said ring gear.

2,496,886
RADIATION ALARM AND MEASUREMENT DEVICE
Everett W. Molloy, Pasadena, Calif., and William H. Hinch, Denver, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application August 9, 1946, Serial No. 689,478
9 Claims. (Cl. 250—83.6)

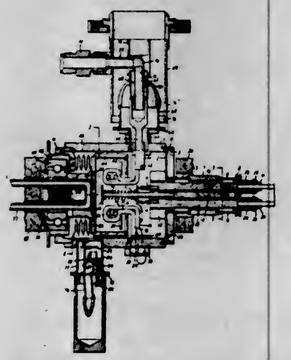


1. Apparatus for the detection and measurement of radioactivity comprising, in combination, an ionization chamber circuit adapted to produce a direct voltage proportional to the radioactivity under measurement, an electronic tube having a control-grid connected to the positive ion collector of the ionization chamber, a cathode and a plate, a plate load resistor connecting said plate to a source of plate supply voltage, a resistor and a glow discharge tube connected in series with each other and in parallel with at least a portion of said plate load resistor, a condenser connected in parallel with said glow-discharge tube, a calibrated variable direct voltage source connected in series opposing with said direct voltage produced by said ionization chamber circuit, and means for impressing the resultant net voltage of said series combination of direct voltage sources between the control-grid and cathode of said electronic tube.

2,496,887
HIGH-FREQUENCY ELECTRICAL APPARATUS
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 23, 1945, Serial No. 601,123
16 Claims. (Cl. 250—27.5)

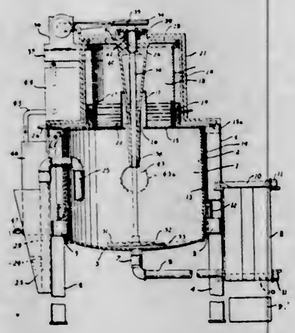
11. An electric discharge device of the magnetron type comprising a generally cylindrical envelope, a resonant anode structure supported

within said envelope, a cathode supported from one end of said envelope and a tuning mechanism supported from the other end of said envelope, both of said supports comprising ferro-



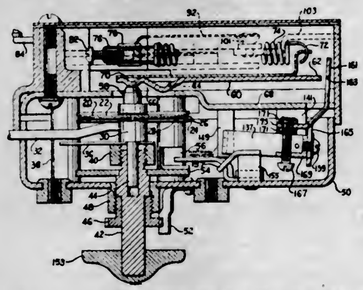
magnetic material whereby a magnetic circuit of relatively low reluctance is provided from the exterior of the envelope to the opposite sides of said resonant structure in the region between said anode structure and said cathode.

2,496,888
OIL RECONDITIONING OR CLARIFYING APPARATUS
De Witt H. Palmer, Cincinnati, Ohio
Application January 22, 1947, Serial No. 723,491
13 Claims. (Cl. 196—16)



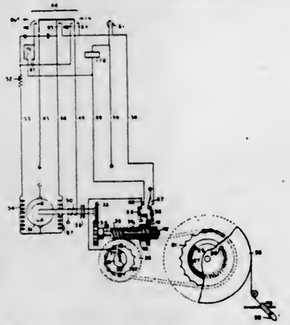
1. In an apparatus for reconditioning oil, a tank in which light fractions of the oil are vaporized, means for heating the vaporizing tank, a clarifying tank disposed at a lower elevation than the vaporizing tank, an overflow conduit connecting the vaporizing tank and the clarifying tank and disposed to maintain a predetermined oil pool level in the vaporizing tank, a condenser, a conduit means connecting the condenser and the vaporizing tank, and means for maintaining a vacuum in the vaporizing tank for removing the vapors from the vaporizing tank to the condenser.

2,496,889
SWITCH FOR DOMESTIC APPLIANCES
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 13, 1946, Serial No. 647,273
12 Claims. (Cl. 200—83)



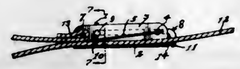
1. A control including an actuating means, an anchorage, a plurality of thin metal strips arranged substantially parallel and each being tightly fastened at one point to said anchorage, a tie transversely connecting the strips at a distance from the fastening point, said thin metal strips having an extension extending beyond the fastening point and provided with switch contacts, said contacts and fastening point being located adjacent opposite ends of the strips with the tie being located adjacent intermediate points of the strips, and spring means extending between said actuating means and said tie for applying a column load and for actuating said strips to operate said switch contacts.

2,496,890
REELING SYSTEM
Edward S. Peterson, Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 3, 1945, Serial No. 620,148
10 Claims. (Cl. 242—54)



1. In an antenna reel mechanism, the combination with a reel for the antenna wire, of drive means for said reel comprising a reversible motor, a drive shaft, a worm splined on said shaft and slidable longitudinally thereof, a gear wheel meshing with said worm, and a yieldable spring through which the rotation of said wheel is transmitted to said reel; and means including said spring and a second spring acted upon by said worm for storing up energy under drive of the motor to retain the antenna under tension when in retracted position.

2,496,891
CAM-LOCKING BELT BUCKLE AND STRAP FASTENER
Philip Pressler, Venice, Calif.
Application April 12, 1946, Serial No. 661,509
2 Claims. (Cl. 24—170)



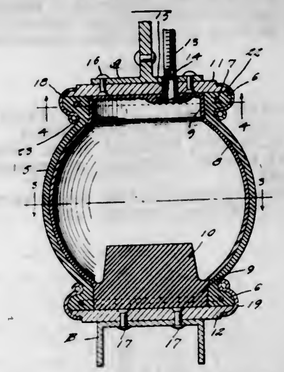
2. In a device of the class described, the combination of a casing provided with parallel sides and a bottom, said sides provided with registering apertures, a follower plate provided on its side edges with outwardly-extending ears, said ears projecting through said registering apertures, said ears having their outer ends beyond the outer faces of said sides, a single-piece, wire-like frame pivotally mounted on said sides, said wire-like frame having portions extending through said sides and terminating in side portions outside of said casing, said side portions terminating at their outer ends in a transversely-positioned end portion, said end portion normally beyond the contiguous end of said casing, said side portions engaging the outer ends of said ears, said transversely-positioned end portion provided with an inwardly-extending lip, and said lip normally engaging the outer end of said bottom, substantially as shown and described.

2,496,892
HOTBED SASH OPERATOR
Frank Puleo, Denver, Colo.
Application December 11, 1945, Serial No. 634,222
6 Claims. (Cl. 268—22)



1. A device for tilting the sash of a hot bed having a plurality of adjacent unattached sash comprising: a pair of longitudinally movable draw bars extending in parallel relation throughout the length of said bed across one extremity of each sash; a pair of lifting links positioned on said bars beneath each sash, the links of each pair being hinged together at their one extremity and each link of each pair being pivotally secured to one of said bars at its other extremity so that said latter extremities can be caused to approach or separate from each other by relative movement of said bars to raise and lower the hinged-together extremities thereof to lift said sash; and means for imparting relative opposite movement to said bars; and a second means for simultaneously moving both bars in the same direction so as to move the hinged-together extremities from one side of each sash to the opposite side of the next adjacent sash so that the sash may be tilted in either desired direction.

2,496,893
PNEUMATIC SUSPENSION MEANS
Arthur F. Smith, Brooklyn, N. Y.
Application May 28, 1945, Serial No. 596,315
2 Claims. (Cl. 267—65)



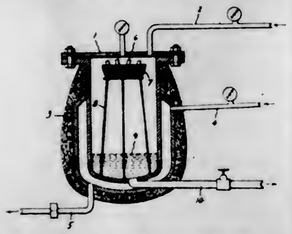
1. A pneumatic suspension device for interposition between a pair of relatively movable elements, comprising a resilient case open at its upper and lower portions and provided with bead formations at said portions, header plates for closing the upper and lower portions of the case and split clamp bands of channeled construction for embracing the said plates, one of said plates having an opening therethrough, a bladder in said case and an inflation valve projecting from said bladder and through the opening in the plate.

2,496,894
MANUFACTURE OF ANTHRAQUINONE
Glen Miller Smyth, Plainfield, and Albert Edward Moran, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 26, 1947, Serial No. 731,042
11 Claims. (Cl. 260—369)

1. As an improvement in the manufacture of anthroquinone from phthalic anhydride and benzene by the Friedel-Crafts method wherein all reactions are effected under anhydrous conditions and the solid reaction products are obtained as free-flowing, dry materials, the improved process which comprises reacting phthalic anhydride with benzene and aluminum chloride under anhydrous conditions while mechanically agitating the reaction mixture to form a chemical complex of aluminum chloride and o-benzoyl benzoic acid and removing the by-product hydrogen chloride and unreacted benzene under anhydrous conditions while continuing the agitation to obtain the said complex as a dry, free-flowing material, and then converting the said dry complex into anthraquinone under anhydrous conditions by reacting it with from 0.9 to 1.3 parts of oleum of 5% to 20% strength at temperatures between 105° C. and 150° C. while mechanically agitating the reaction mixture until said complex is decomposed and converted into anthraquinone, aluminum sulfate and hydrogen chloride and removing the by-product hydrogen chloride under anhydrous conditions while continuing the agitation to obtain a dry, free-flowing mixture containing the anthraquinone admixed with anhydrous aluminum sulfate as a by-product, the amount of oleum being sufficient

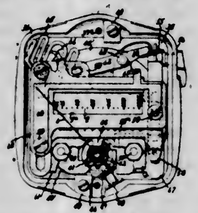
to decompose said complex and fix the aluminum and chlorine constituents thereof as aluminum sulfate and hydrogen chloride, respectively, and sufficient to effect complete ring closure of the o-benzoyl benzoic acid constituent thereof at the reaction temperatures employed in said reaction, but insufficient to convert the said dry mixture of solid reaction products into a pasty composition.

2,496,895
METHOD OF CURING CEMENT-TYPE COLD MOLDING COMPOSITIONS
Ronald W. Staley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 8, 1946, Serial No. 708,742
6 Claims. (Cl. 18—47.5)



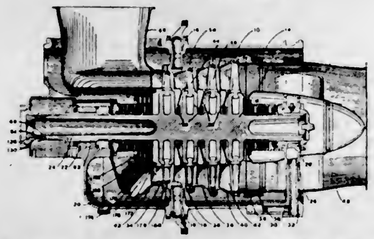
1. The method which comprises (1) shaping a mixture of ingredients comprising a Portland cement and a substantially non-acidic filler, and (2) concurrently subjecting the shaped article, under pressure at a temperature of at least 100° C., to an atmosphere comprising from approximately 80 to 20 mol per cent carbon dioxide and conversely from approximately 20 to 80 mol per cent substantially dry steam.

2,496,896
SPRING TOGGLE MECHANISM
Allen G. Stimson, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Original application October 19, 1946, Serial No. 704,352. Divided and this application August 29, 1947, Serial No. 771,349
1 Claim. (Cl. 74—97)



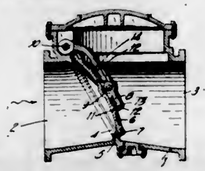
In a toggle mechanism, supporting structure, a lever member pivotally suported on said supporting structure, a compression spring pivotally connected between said supporting structure and lever member to impart toggle action to the movement of said lever about its pivot, the point of connection between spring and lever lying between the point of connection of said spring to said supporting structure and the pivot point of said lever, said compression spring having one of its connecting ends doubled back toward its center so that the spring is substantially effectively longer than the distance between its points of connection between the supporting structure and lever arm.

2,496,897
BEARING AND SEAL ASSEMBLY FOR TURBINES
Henry R. Strickland, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,902
1 Claim. (Cl. 308—36.1)



A bearing assembly including a sleeve adapted to be mounted on a rotary shaft and having a projecting flange, a stationary bearing support around the sleeve and having a cylindrical outer surface, a main bearing mounted in the support and engaging said sleeve, a clamping ring within the support and engaging the end of said bearing for holding said bearing in the support, and thrust bearing elements carried by the support and engaging opposite surfaces of said flange, one of said thrust bearing elements being supported axially by the end of said main bearing.

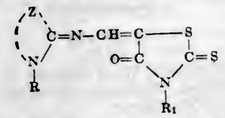
2,496,898
CHECK VALVE
Alfred W. Thompson and Edwin A. Weinberg, Troy, N. Y., assignors to The Ludlow Valve Manufacturing Co., Inc., Troy, N. Y., a corporation of New York
Application April 18, 1945, Serial No. 589,012
3 Claims. (Cl. 251—123)



1. A check valve comprising a body having an inlet and an outlet, a valve seat in said body, a gate having a seating surface adapted to cooperate with said seat for closing said valve, a hinge member, means pivotally connecting said hinge member to said body, a hinge connecting said hinge member in a zone intermediate the ends thereof to said gate, and separate resilient blocks substantially spaced from said hinge on opposite sides thereof in partially compressed condition between said gate and said hinge member and yieldingly maintaining said gate and hinge member in approximately the same relative positions which they occupy when said valve is closed; whereby, on the closing of said valve, the seating surface on said gate will contact said seat substantially throughout and chattering will be reduced.

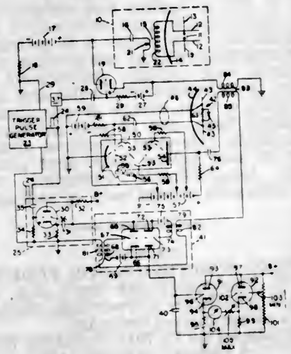
2,496,899
AZAMEROCYANINE DYES AND A PROCESS FOR THE PREPARATION THEREOF
Thomas R. Thompson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 16, 1946, Serial No. 683,975
4 Claims. (Cl. 260—240.4)

1. An azamerocyanine dye characterized by the following general formula:



wherein R represents a member selected from the class consisting of alkyl and aralkyl groups, R_1 represents a member selected from the class consisting of alkyl, allyl, and phenyl groups, and Z represents the atoms necessary to complete a heterocyclic nitrogenous system of the type used in the prepartion of cyanine dyes.

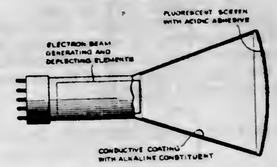
2,496,900
DISTANCE MEASURING SYSTEM
Edwin E. Turner, Jr., West Roxbury, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application November 29, 1947, Serial No. 788,811
6 Claims. (Cl. 343—13)



1. In a system for distance measurement by the time of travel method, in combination: a spark-gap transmitter for generating and propagating a pulse of oscillatory energy; and a receiving circuit including a dipole antenna having a unidirectional conductor connected across the output thereof and an electron-multiplier type amplifier connected to said output.

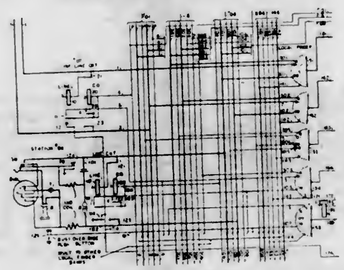
2,496,901
METHOD AND COMPOSITION FOR COATING CATHODE-RAY TUBES
Adriaan Jacobus van Hoorn, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 14, 1944, Serial No. 545,022
In Great Britain July 6, 1943
3 Claims. (Cl. 117—33.5)

1. In the manufacture of cathode ray tubes, the method comprising the steps of applying a coating to the inner side walls of the tube with a graphite-water soluble organic binder material having an alkaline ingredient from the group consisting of magnesium oxide, aluminum oxide and calcium oxide; making the tube to volatilize the water soluble organic binder; then applying a coating of adhesive material from the groups consisting essentially of acid phosphates and acid borates to the adjacent end



wall of the tube; and then applying fluorescent screen material in powder form to the adhesive coat; and baking to fix the fluorescent material coating, the alkaline ingredient in the side wall coating being effective to neutralize any of the adhesive material that might fall on said graphite layer, and thus acting to prevent the fluorescent powder from adhering to the graphite coating due to the lack of acidic binder.

2,496,902
PRIVATE AUTOMATIC TELEPHONE SYSTEM OF THE PASSING CALL TYPE
John H. Voss, Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 28, 1945, Serial No. 601,965
5 Claims. (Cl. 179—27)



1. In a telephone system, trunk lines, subscribers' lines, means including automatic type progressively movable switches for enabling subscribers to answer incoming calls and make outgoing calls over said trunk lines, an allotter including a relay for controlling the completion of incoming trunk calls and a relay for controlling the completion of outgoing trunk calls, said two relays accessible to said switches and operated therefrom one at a time for permitting the completion of their related trunk calls when one of said stations attempts to answer an incoming trunk call at the same time another of said stations initiates an outgoing trunk call, the operated relay delaying the operation of the other relay until the attempted trunk call related to the operated relay is completed, said allotter controlling the sequence of the operation of said two relays.

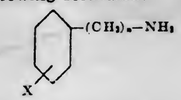
2,496,903

PHOTOGRAPHIC DEVELOPER CONTAINING A NEGATIVELY SUBSTITUTED ARALKYLAMINE AND PROCESS OF DEVELOPMENT

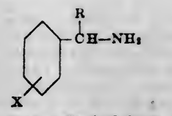
William L. Wasley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 18, 1947, Serial No. 786,816
12 Claims. (Cl. 95—88)

1. An alkaline photographic developer for silver-halide comprising a silver-halide developer and a negatively substituted aralkylamine selected from the class consisting of those corresponding to the following formulae:



and



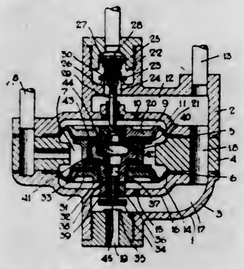
wherein R is a group selected from the class consisting of methyl and ethyl groups, *n* is a positive integer of from 1 to 2, and X is a negative group selected from the class consisting of nitro and halogen atoms, and the salts of said amines.

2,496,904

FLUID PRESSURE CONTROL VALVE DEVICE

Arthur J. Bent, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 23, 1947, Serial No. 750,153
5 Claims. (Cl. 303—28)



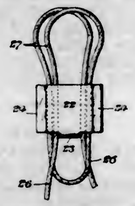
1. In a self-lapping relay valve device adapted to respond to pressure of control fluid to control supply of fluid under pressure from a source thereof to a device to be actuated and release of said fluid under pressure therefrom, the combination with a casing having a fluid pressure supply chamber, a fluid pressure delivery chamber and a fluid pressure exhaust opening, supply valve means for opening and closing said supply chamber to said delivery chamber, exhaust valve means for opening and closing said delivery chamber to said exhaust opening, of a first diaphragm for actuating said supply valve means and subject opposingly to pressure of said control fluid and pressure of fluid in said delivery chamber, a second diaphragm for actuating said exhaust valve means disposed in parallel with and spaced away from said first diaphragm and subject opposingly to pressure of said control fluid in common with said first diaphragm and pressure of fluid in said delivery chamber, a first member carried by said first diaphragm, a second member carried by said second diaphragm in slidable sealing engagement with said first member to form an interior chamber between the diaphragm for limiting the effective area of each exposed to pressure of control fluid to a value less than the effective area of each exposed to pressure of fluid in said delivery chamber, and means for connecting said interior chamber to atmosphere

2,496,905

SEAL

Winfred M. Brooks, West Orange, N. J., assignor to E. J. Brooks Company, Newark, N. J., a corporation of New Jersey

Application February 3, 1948, Serial No. 5,934
1 Claim. (Cl. 292—310)



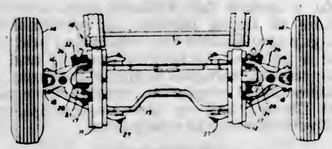
A preformed sheet-material seal consisting of a hollow deformable body open at both ends to admit of the threading and rethreading of a strand therethrough after said hollow body has been preformed and before it is deformed, said hollow body consisting of two sections connected by a neck, said sections constituting complementary spaced-apart side walls and said neck constituting a bent bridge at one open end of said hollow body, one of said sections having longitudinally extending marginal flanges, exteriorly of said hollow body, that overlie and embrace longitudinally extending marginal ledges, exteriorly of said body, of said other section.

2,496,906

SPRING SUSPENSION FOR VEHICLES

Harold E. Churchill, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware

Application July 16, 1947, Serial No. 761,356
6 Claims. (Cl. 267—19)



1. A spring suspension for an automotive vehicle having a frame and upper and lower control members rockably mounted thereon for supporting the front wheels thereof comprising, in combination, a pair of leaf spring members in mutual engagement at their intermediate portions and extending transversely of said frame, means including a pad of resilient material for attaching each end of one leaf spring member to said frame, and means including a pad of resilient material for attaching each end of the other leaf spring member to one of said control members.

2,496,907

PRODUCTION OF DISPERSIONS CONTAINING SOLID POLYMERS OF ETHYLENE

Fred Dawson, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 22, 1947, Serial No. 793,315. In Great Britain December 20, 1946
4 Claims. (Cl. 260—8)

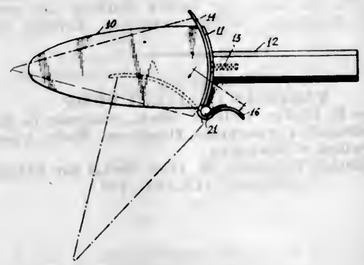
1. The process of preparing concentrated dispersions of solid polymers of ethylene which comprises dissolving the solid polymer in a water-immiscible volatile organic solvent, emulsifying the solution in an aqueous medium in the presence of an emulsifying agent and a proteinaceous protective colloid, removing the volatile solvent, acidifying the dilute dispersion to a pH value below the isoelectric point of the proteinaceous colloid, mechanically separating water from the flocculated dispersion and reconstituting the dispersion by adjusting the pH thereof to a value greater than the isoelectric point of the proteinaceous colloid.

2,496,908

SERVING DEVICE

Alfred W. Doux, New York, N. Y.

Application April 20, 1949, Serial No. 88,529
1 Claim. (Cl. 294—1)



In a device for lifting and serving slices of cake, pie and the like, the combination of, a flat slice-lifting blade, a handle on the base of said blade, a lever pivotally mounted at one side of said blade and adjacent the base thereof, the lower edge of said lever being positioned to sweep across the upper surface of said blade, a thumb tab fixed to said lever and extending beyond the pivot point of said lever, and a spring arranged and positioned to maintain said lever normally in a position substantially transverse of said blade.

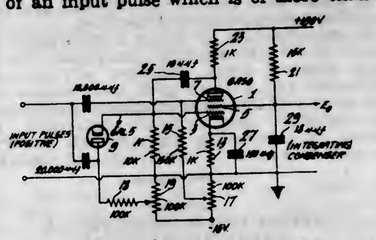
2,496,909

PULSE AMPLITUDE DISCRIMINATION

Everett Eberhard, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 1, 1947, Serial No. 777,193
5 Claims. (Cl. 250—27)

1. A pulse amplitude discriminator including an electron discharge tube having at least a cathode, an anode, a control grid, a screen grid, and a suppressor grid, a circuit for applying energizing potential to the anode, means for applying input pulses to said suppressor grid, further means for applying said input pulses to said control grid, said last mentioned means including a peak clipper which passes only that portion of an input pulse which is of more than a predetermined magnitude and a load resistor connected to said screen grid.



2,496,910

STRUCTURAL STRIP MEMBER FOR INTERIOR WALL DECORATION

Annette E. Fridolph, New York, N. Y.

Application February 3, 1948, Serial No. 5,957
In Great Britain October 23, 1946
9 Claims. (Cl. 160—127)



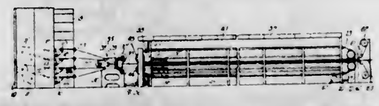
1. A structural strip member for securing and supporting interior decorating fabrics, comprising a longitudinally channelled base strip and a capping strip, one of which is securable to a surface, the capping strip being interlockingly engageable with the base strip with a fabric therebetween to hold the fabric in position and said base strip having at least one diminutive track formed therein to receive and support hangings dependent therefrom.

2,496,911

METHOD AND APPARATUS FOR FORMING PLASTIC LAMINATES

Lawrence B. Green, Glendale, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware

Application June 7, 1945, Serial No. 598,146
34 Claims. (Cl. 154—124)



4. A process comprising continuously advancing a web impregnated with a polymerizable material within a continuous concomitantly advancing envelope of a sheet material, gripping

the edges of said envelope without gripping said web, transversely tensing said envelope, and polymerizing said impregnating material.

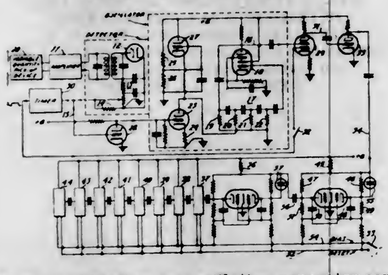
20. An apparatus for curing polymerizable materials of the type described, comprising two linearly disposed areas, energized polymerization activators and a third area intermediate said two areas, said third area containing substantially no energized polymerization activators, and means for moving the polymerizable materials through said areas to polymerize said materials.

2,496,912

DEVICE FOR INTEGRATING A VARIABLE QUANTITY

Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 9, 1946, Serial No. 668,441
3 Claims. (Cl. 171—95)



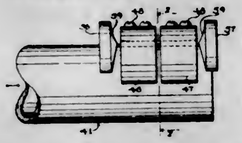
1. In combination, an oscillation generator continuously producing a substantially sinusoidal alternating output voltage the frequency of which may be varied, means responsive to the instantaneous value of a sporadic variable quantity for varying the frequency of said voltage in proportion to such instantaneous value, means coupled to said voltage output for producing therefrom a voltage pulse for each cycle of said voltage, means for counting and indicating the total number of said pulses, and means responsive to the initial appearance of said variable quantity for limiting the counting of the number of said pulses to a predetermined time interval immediately following said appearance.

2,496,913

MECHANISM FOR FORMING COILS

Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application May 30, 1944, Serial No. 538,006, now Patent No. 2,395,736, dated February 26, 1946. Divided and this application November 29, 1945, Serial No. 631,734
3 Claims. (Cl. 140—92.1)



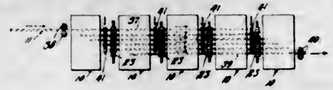
1. A coil winding mandrel comprising a body portion which is curved in cross sectional outline to provide a curved surface, a slot forming member secured to said body portion and having an inner face disposed in opposition to the curved surface of said body portion, said inner face being spaced at a varying distance from said curved surface of said body portion whereby to provide winding slots of progressively decreasing width, and guide means secured to said body portion adjacent the ends of said slot forming members for forming end turns of strands which are continuous with strands wound in said slots.

2,496,914

HEATING FURNACE

Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application September 26, 1946, Serial No. 699,417
8 Claims. (Cl. 263—3)



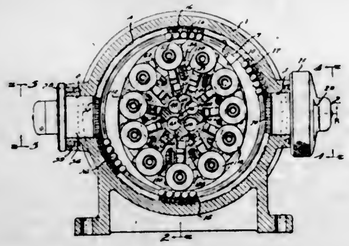
2. A heating apparatus comprising a number of units in end to end relation and having entrance and exit openings for passage of a number of work pieces of elongated extent therethrough alongside of each other, conveyor mechanism including rolls between the units for supporting and transporting work pieces through the units, and means including work transfer mechanisms between the units for bodily shifting the work pieces sideways during transport through the units.

2,496,915

VARIABLE DELIVERY PUMP

James F. Hoffer, Detroit, Mich., assignor to Superdraulic Corporation, Dearborn, Mich., a corporation of Michigan

Application February 20, 1946, Serial No. 649,021
6 Claims. (Cl. 103—161)



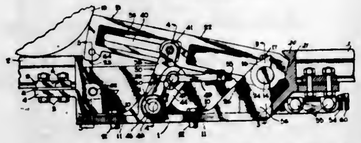
1. In a fluid power device, a housing, a pair of substantially elliptical reaction members disposed within said housing, means mounting said reaction members for relative rotation with respect to each other, rotor means having a pair of axially spaced, radial bores therein disposed within said housing, a plunger in each bore, means interconnecting the outer end of each plunger with its reaction member to effect radial movement thereof upon rotation of said rotor, fluid conduit means communicating with said bores, other fluid conduit means formed in said rotor interconnecting said bores, and means to rotate said reaction members so that the major axes thereof may be displaced with respect to each other between zero and ninety degrees.

2,496,916

SCOTCH BLOCK APPARATUS

Norman G. Kershaw, London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 14, 1947, Serial No. 721,937
In Great Britain May 1, 1946
11 Claims. (Cl. 104—252)



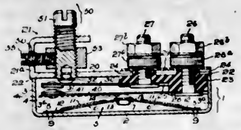
4. A scotch block apparatus comprising a base for connecting two rail sections of a track, a scotch block fulcrumed on said base and having a lowered position to form a continuous track between said rail sections and a raised position in which a portion of said block is disposed above the plane of said track for engagement by a vehicle wheel to prevent movement thereof, said base comprising means engageable by said block in said lowered position for supporting said block and further comprising means engageable by said block in said raised position for taking thrust of said wheel against said block, and means for effecting movement of said block to said positions.

2,496,917

THERMOSTATIC SWITCH

Edward J. Poitras, Holliston, Mass.

Application April 19, 1946, Serial No. 663,281
3 Claims. (Cl. 200—137)



1. In a thermostatic switch, a heat-subject support, thermal displacement magnifying means thereon comprising with the support a triangular strut-like structure having equal length rigid segments hingedly joined at the adjacent ends and to the support at the remote ends, the support and said structure having relatively different thermal expansibility, a pair of spring leafs also of mutually different thermal expansibility and of columnar rigidity lengthwise, said leafs carrying electrical contacts in opposed relation, and a reference element positioned with respect to the support, the leafs being spring biased one against the reference element and the other oppositely against the joined ends of the hinged segments in pressing and sliding relation thereto, whereby the contacts are opened and closed under thermal action conjointly as between the support and the hinged segments and as between the leafs themselves as facilitated by the segment hinging action and the sliding relation thereto under minimum spring bias for the leafs and minimum critical displacement of the hinged segments.

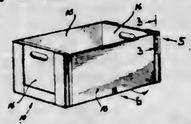
2,496,918

DISPLAY CONTAINER

Robert I. Promisel, Winthrop, Mass.

Application January 26, 1949, Serial No. 72,879
4 Claims. (Cl. 217—11)

1. A device of the character described comprising a generally rectangular open-topped container having a bottom, end walls, a rear wall, and a front wall, the front wall being pivotally secured to the end walls and being swingable outwardly from the casing to overlie the



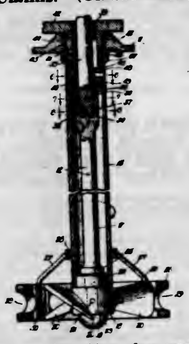
top of the casing and partially cover same resting flatly atop the end walls, thereby exposing the casing interior and contents to view through the front thereof whereby the front wall serves as a support for like containers stacked on top thereof.

2,496,919

FOOD MIXER

Ernst L. Schwarz-Kast, Chicago, Ill., assignor to Franklin Appliance Company, a corporation of Illinois

Application June 14, 1946, Serial No. 676,655
3 Claims. (Cl. 259—132)



1. A beater construction for use with a food mixer, comprising concentrically arranged rotatable shaft members adapted to be driven in opposite directions, a relatively narrow ring-like beater element secured to the end of the outer one of said rotatable shaft members, and a propeller-like beater element secured to the inner one of said rotatable members in concentric relation to said ring-like beater element, said ring-like beater element having elongate apertures spaced circumferentially of its outer periphery and inwardly directed vertical ribs on its inner surface in the spaces between said apertures whereby material being mixed is drawn down between said beater elements and projected downwardly and outwardly therefrom.

2,496,920

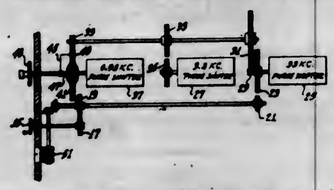
PHASE SHIFTER

Stuart W. Seeley, Roslyn Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 29, 1944, Serial No. 547,255
1 Claim. (Cl. 178—44)

A phase shifting device including in combination a plurality of goniometer type phase shifter units each including an inner stator element comprising a pair of crossed coils and an outer rotor element comprising a pickup coil, said pickup coil consisting of a distributed winding for providing a substantially uniform field in the re-

gion of said crossed coils, means for applying quadrature phase currents of different frequencies respectively to each pair of crossed coils of said units, unicontrol means connected to said rotor elements, said unicontrol means comprising gears interposed between the respective rotor elements for adjusting said rotor elements at angular rates proportional to said different frequencies, split-sleeve mountings for each of said stator elements for adjusting independently the



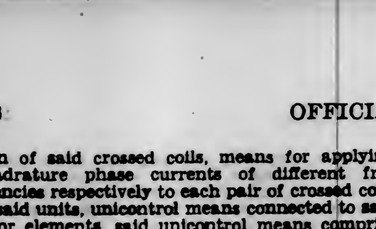
relative initial angular position of said stator elements whereby the initial phase shifts may be made to coincide, the train of gears comprising said unicontrol means having a drive means connected to one end of the gear train, and means for disconnecting at will the final gear of the said gear train from the associated rotor element whereby the remaining rotor elements may be driven at will independently of said associated rotor element.

2,496,921

ADJUSTABLE WINDOW VENTILATOR

Victor A. Vicksell, Sr., Kansas City, Mo.

Application June 6, 1945, Serial No. 597,834
3 Claims. (Cl. 98—99.8)



1. In a ventilator of the character described, pairs of opposed, pivotally mounted, substantially U-shaped clips each having a pair of legs forming inwardly directed jaws; and a slat extending between the clips of each pair thereof, said slats being wider than the length of the jaws and transversely arched to increase the frictional interengagement between the jaws and the slats when the ends of the latter are between the jaws, one of said jaws being arched to conform to the contour of said slats, the outer jaw being substantially straight for clamping the slats against said arched jaw.

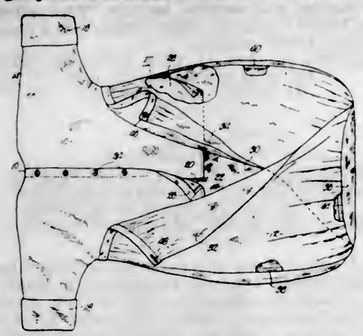
2,496,922

INFANT'S SLEEPING GARMENT

Maxine B. Virtue, Ypsilanti, Mich.

Application June 9, 1947, Serial No. 753,509
1 Claim. (Cl. 2—69.5)

An infant's sleeping garment comprising a shirt section; and a bag section, there being a single panel forming a back wall for the shirt section and for the bag section respectively, a pair of overlapping flaps forming a front wall for said bag section, and a bottom wall, said panel being rebent upon itself intermediate the ends thereof, presenting a front wall for said shirt section, a portion of each flap respectively overlapping a portion of said front wall of the shirt sec-



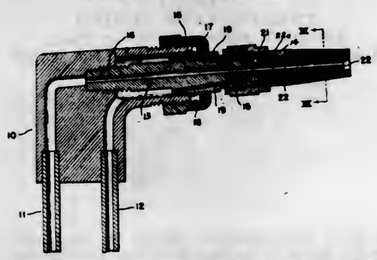
tion, said bottom being joined to the proximal edges of the single panel and the flaps subjacent to said short section.

2,496,923

TIP STRUCTURE FOR GAS TORCHES

John D. Walters and Joseph T. Muenzmay, Pittsburgh, Pa.

Application March 21, 1947, Serial No. 736,362
1 Claim. (Cl. 158—27.4)



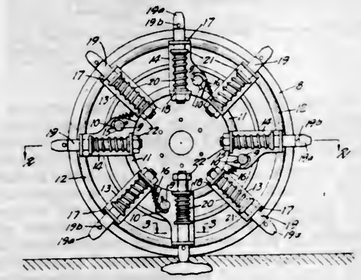
A gas torch tip comprising a basal member having its rear end shaped for seating engagement with a seat in a torch head and having a central bore for communication with a port in the torch head, the forward portion of the basal member being of substantially greater diameter than its rear portion, whereby an annular space is provided to form a chamber for communication with another port in the head, when the basal member is seated in the head, there being ports extending longitudinally and forwardly through the basal member, in directions that are inclined convergingly toward the axial line of the basal member, there being an annular groove in the forward end of the basal member and surrounding the said bore in position to receive discharge from said ports, a screw-threaded collar that surrounds and connects with the basal member at its larger section, for detachably connecting the basal member to the torch head, a distal member having a central bore for communication with the first-named bore and having a peripheral flange on its rear end and forwardly-extending slots on its exterior surface, the flange having axially-extending ports in position to communicate with said groove, and serving to direct gases from the rear end of the distal member and through the slots to the forward end thereof, and a casing member in overlying relation to said grooves, for the forming of passages, surrounding the distal member and engageable with said flange and having threaded connection with the basal member, to hold the distal member in abutting engagement with the forward end of the basal member, at the areas that surround the said groove.

2,496,924

TRACTION DEVICE FOR POWER-DRIVEN VEHICLES

Ray H. Weeks, Lake Benton, Minn.

Application June 3, 1948, Serial No. 30,800
1 Claim. (Cl. 301—51)



A traction device for automotive vehicles comprising a supporting frame structure adapted to be attached to the outerside portion of a vehicle driving wheel and including a pair of spaced concentric rings and a plurality of interconnection plates fixed thereto and traversing the space therebetween, certain of said interconnection plates having apertures therethrough to receive outstanding studs of said vehicle driving wheels for attachment to said wheels, means for retaining said frame structure on said studs, several pairs of spaced opposed outstanding pin-guiding and retaining brackets, each pair of said brackets having radially aligned apertures respectively formed therein, a traction pin mounted in said radially aligned apertures for longitudinal sliding movement radially of said wheel, a plurality of high tension resilient springs respectively associated with said traction elements and one of the respective outstanding brackets for normally urging said traction elements into outwardly projected position to normally penetrate the surface on which the vehicle is supported but permitting retraction of said pins if an impenetrable surface is engaged thereby, each of said studs having a co-operating retaining element formed therein and the means for retaining said supporting frame structure on said wheel comprising a plurality of transverse retaining pins with resilient means for holding the same in retaining position in said co-operating elements of said outstanding studs.

2,496,925

SEPARABLE FASTENER

Martin Winterhalter, Morcote, near Lugano, Switzerland

Original application March 25, 1943, Serial No. 480,463, now Patent No. 2,380,623, dated July 31, 1945. Divided and this application May 12, 1945, Serial No. 593,351. In Switzerland March 30, 1942
4 Claims. (Cl. 24—205.16)

1. A stringer forming one complementary part of a slide operated separable fastener, which stringer comprises a row of fastener elements having elongated heads formed adjacent one of their ends with opposite projections and recesses for releasable interlocking engagement with the recesses and projections, respectively, of the other complementary stringer of the fastener, and formed at their opposite ends to present slider guide surfaces; said heads being severally fixedly mounted and supported at portions thereof between their slider guide surfaces and projections and recesses, and with the heads in spaced out of contact relation, on a wire-like, bendable, substantially non-extensible carrier



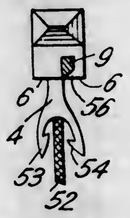
member extending through and confined to such portions; each fastener element comprising an elongated stud integrally carried by and projecting from that end of the head portion thereof which presents the slider guide surface, which elongated stud has a flat side adapted to lie against the side of an article to which the stringer is to be attached and to be secured thereto with stitches, said stud having an opposite side which is bevelled transversely thereof for deflecting the needle forming such stitches, the studs of the fastener elements also being in spaced out of contact relation.

2,496,926

SEPARABLE FASTENER

Martin Winterhalter, Morcote, near Lugano, Switzerland

Original application March 25, 1943, Serial No. 480,463, now Patent No. 2,380,623, dated July 31, 1945. Divided and this application May 12, 1945, Serial No. 593,352. In Switzerland October 14, 1942
1 Claim. (Cl. 24—205.16)



A stringer forming one complementary part of a slide operated separable fastener; said stringer comprising a row of fastener elements having head portions formed adjacent one of their ends with opposite projections and recesses for releasable interlocking engagement with the recesses and projections, respectively, of the other complementary stringer of the fastener; a stud carried by and projecting from the opposite end of each head portion formed with spaced jaws, one at least of which jaws is adapted to be bent toward the other for securing between them the article to which the stringer is to be attached; the end of each head from which said stud projects being shaped to form a slider guide surface at each side of said stud and being formed with a notch; and a wire-like bendable but substantially non-extensible carrier member extending through the notches of said head portions, each of which head portions has a portion adjacent the notch deformed to bear against the carrier member for

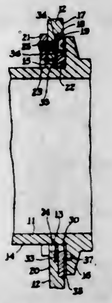
fixedly securing the fastener element to it, the fastener elements being so secured to said carrier member with the head portions, studs, and jaws of each in spaced out of contact relation to those of adjacent fastener elements.

2,496,927
FISHING LURE
Charles Witte, Ventnor City, N. J.
Application March 8, 1949, Serial No. 80,131
4 Claims. (Cl. 43—42.28)



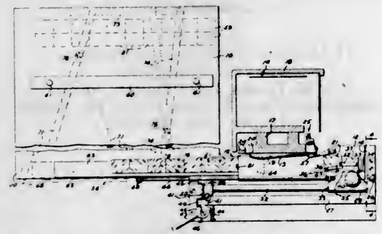
1. A fishing lure, including a body provided with a kerf extending along its under-surface, a fish hook having a shank and an eyelet and a swivel including a barrel having an eyelet at one end and a wire at its other end, the said wire extending through the eyelet of said hook and coiled about the said shank, the distal end of the wire extending outwardly from the shank, the shank of the hook fitted tightly within said kerf, and the distal end of the said wire extending into the body of the lure, a filler sealing the said kerf, the swivel protruding beyond the forward end of the body of the lure, and the hook protruding from the rear end of the body of said lure.

2,496,928
BAYONET LOCK
Herbert A. Bing and Bernard J. Wolfe, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 6, 1947, Serial No. 790,058
18 Claims. (Cl. 285—177)



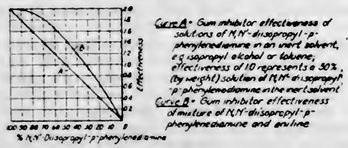
1. A bayonet lock comprising, in combination, a support formed with a cylindrical opening the periphery of which is provided with an annular groove, said support also having separate axially-spaced groups of open-end slots communicating with said groove, said groups being out of registry, a cylindrical member positionable in said opening, a plurality of radially extending lugs formed on said member and adapted to be passed axially through one of said groups of slots and into said groove, said member being rotatable relative to said support to move said lugs in said groove and out of registry with said one group of slots and into registry with and into the other group of slots, and means to retain said lugs yieldably in said other group of slots to lock said member releasably to said support.

2,496,929
ARTICLE FORMING APPARATUS
Charles O. Blaisdell, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1945, Serial No. 613,775
6 Claims. (Cl. 51—137)



5. In an apparatus for forming articles by abrasion, article abrading means comprising a belt having an abrasive surface, reciprocatory means for feeding articles past said abrading means, reciprocatory means for receiving abraded articles, means actuated by said reciprocatory article feeding means for driving said reciprocatory article receiving means at a lower rate of speed than the speed of said reciprocatory article feeding means, and means for limiting the reverse movement of articles on said reciprocatory article receiving means when said latter means is reciprocated in a reverse direction.

2,496,930
COMPOSITION USEFUL AS GUM INHIBITOR FOR MOTOR FUELS
Marshall R. Brimer, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 9, 1946, Serial No. 682,248
7 Claims. (Cl. 252—401)



2. A composition useful as a gum inhibitor for motor fuels consisting of a mixture of N,N'-diisopropyl-p-phenylenediamine and aniline, the aniline constituting from about 0.5 to about 85% by weight of the mixture.

2,496,931
LOCKING DEVICE FOR PUSH-PULL CONTROLS
William H. D. Brouse, Toronto, Ontario, Canada, assignor to Teleflex Incorporated, Philadelphia, Pa.
Application July 13, 1946, Serial No. 683,361
3 Claims. (Cl. 74—502)

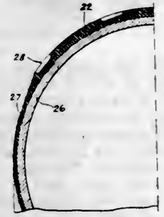
1. The combination with a push-pull control member having a spiral wire wound upon its outer surface, of a metal tube encircling said spiral winding and having a portion of its perimeter pressed inwardly to form a longitudinal groove curved eccentrically inward to an abrupt longitudinal shoulder, and an outer guide tube slidably encircling the aforesaid tube and having inwardly projecting circumferentially eccentric

portions terminating in an abrupt shoulder to fit loosely in the longitudinal groove in the inner



tube and to engage and interlock with the eccentric surface of said groove upon rotation of the inner tube.

2,496,932
ANTISKID PNEUMATIC TIRE
Clement J. Burkley, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 6, 1948, Serial No. 53,032
4 Claims. (Cl. 152—211)



1. An anti-skid tire having a tread portion formed of at least two superposed laminae of rubber or the like and disposed therebetween a plurality of spaced, generally parallel rows of short helical spring elements ranging in length from approximately three-eighths inch to two and one-half inches and having convolutions which resist deformation, said tread portion having impressed thereon a tread pattern embodying embossed portions periodically interrupted by depressed portions causing parts of the convolutions of at least certain of the spring elements to be disposed in and substantially flush with the surfaces of the embossed portions of the tread pattern.

2,496,933
LINEAR POLYESTERS OF HYDROQUINONE, SATURATED GLYCOLS AND DICARBOXYLIC ACIDS AND THEIR PREPARATION
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 25, 1946, Serial No. 672,327
6 Claims. (Cl. 260—47)

1. A method of preparing a linear polyester which comprises heating a mixture of 0.8–0.4 mol. of hydroquinone, 0.2–0.6 mol. of a saturated aliphatic glycol containing only C, H and O and having glycol hydroxyl groups as the only reactive groups therein, a dicarboxylic acid selected from the group consisting of succinic, glutaric, adipic, pimelic, suberic, azelaic, sebacic and dimerized oleic acid and acetic anhydride, the dicarboxylic acid being in an amount sufficient to esterify the hydroquinone and the glycol and the acetic anhydride being in an amount greater than that of the dicarboxylic acid, until acetic acid begins to distil from the mass and continuing the heating until 70–80% of the theoretical acetic acid distils therefrom.

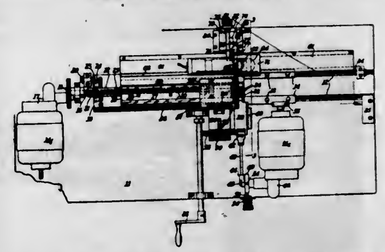
2,496,934
ADHESIVE
Clarence M. Carson, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 26, 1945, Serial No. 624,939
2 Claims. (Cl. 260—752)

1. A nondrying adhesive which comprises (1) about 33⅓ to 75 parts of a sticky, stretchable polyester of a dihydric alcohol with a dimer of a fatty acid which contains at least two double bonds with (2) about 66⅔ to 25 parts of resinous cyclized rubber.

2,496,935
COPOLYMERS OF BUTADIENE AND MONOCYCLIC TERPENE ALCOHOL ESTERS OF ACRYLIC ACIDS
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Original application June 7, 1940, Serial No. 339,391. Divided and this application April 3, 1944, Serial No. 529,411
3 Claims. (Cl. 260—83.5)

1. Copolymers comprising terpinyl methacrylate interpolymerized with butadiene-1,3 in which the ester and butadiene are each present to the extent of at least 25 per cent of the copolymer.

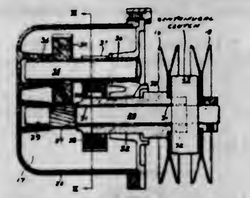
2,496,936
SCALE ENGRAVING AND NUMBERING APPARATUS
Charles W. Clutz and Earle A. Young, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 5, 1945, Serial No. 592,174
14 Claims. (Cl. 33—19)



1. In a machine of the type described the combination of a movable work supporting table; means including an alternating current motor for feeding the table in one direction; a movable tool for acting upon the work carried by said table when it is stationary, means including an alternating-current motor for driving said tool; a source of alternating current; a source of direct

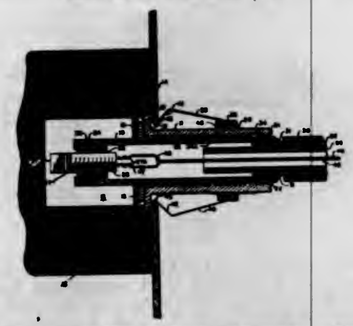
current; means for simultaneously applying the alternating current to the windings of one of said motors to run the same and applying the direct current to the windings of the other motor to dynamically brake the drive connected thereto; and means for automatically reversing the current applications to said respective motors in response to given increments of travel of said table and/or tool.

2,496,937
SPEED CHANGING APPARATUS
Hilbert E. Edwards, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1946, Serial No. 685,969
4 Claims. (Cl. 74—336)



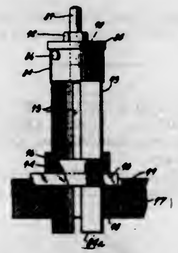
1. In speed-changing apparatus, the combination of a gear mechanism including a driving gear and a driven gear, a shaft for the driving gear, a sleeve carrying the driven gear and concentrically arranged with respect to said shaft, means for rotating the shaft at low and high speeds, a centrifugal clutch associated with said shaft and sleeve and operative at a speed intermediate said low and high speeds for clutching the shaft and sleeve, and an overrunning clutch associated with the sleeve and driven gear and defining a driving connection therebetween during periods when the centrifugal clutch is released and providing for overrunning of the sleeve relative to driven gear during periods when the centrifugal clutch is engaged.

2,496,938
ANTENNA ATTACHING DEVICE
Thomas B. Friedman, Cleveland Heights, Ohio, assignor of one-half to Irwin F. Mills Associates, New York, N. Y.
Application September 13, 1946, Serial No. 696,743
13 Claims. (Cl. 174—84)



1. In a vehicle side panel having an opening, a bushing insertable into said opening so as to project there beyond in one direction, a tubular body telescopingly arranged extensibly in said bushing and projecting into the vehicle in a counter direction, means holding the bushing against displacement from said opening in the direction in which it projects, said tubular body carrying internally an antenna connector unit and being formed terminally at the outer end of said bushing with split resilient cheeks formed with a longitudinal series of supplemental jagged surfaces, said bushing having provision for crowding said jagged surfaces to lock the tubular body in the bore of said bushing adjustably, a threaded collar encasing said bushing to actuate its crowding action, and a spring clip carried by said collar having provision for anchoring itself retractably in said opening.

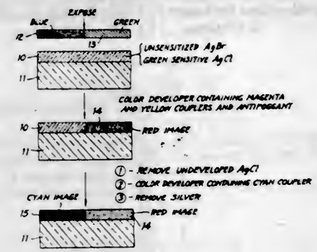
2,496,939
DRILL
Julio Gonzalez, Hudson County, N. J.
Application March 4, 1947, Serial No. 732,226
13 Claims. (Cl. 125—20)



1. A hollow drill bit comprising a cylindrical metal tube one end of which is the cutting edge, which is provided with a plurality of slots that are open ended at the cutting edge of the tube and that are of substantial length longitudinally of the tube and which is in the form of a continuous cylinder adjacent the end of said tube opposite to the cutting edge, and a clamping arrangment which is slidable longitudinally of said tube in the region of said slots and in spaced relation to said portion of said tube that is in the form of a continuous cylinder for positional adjustment adjacent the cutting edge of the tube upon said edge wearing away and which comprises an inner member in slidable contact with the inner surface of the slotted portion of said tube and an outer member in slidable contact with the exterior surface of the slotted portion of said tube, said inner and outer members when disposed with said outer member substantially overlying said inner member being adapted to clamp the portions of said tube between said slots firmly in place between said members and adjacent the cutting edge of said tube.

2,496,940
MIXED GRAIN PHOTOGRAPHIC PROCESS
Wesley T. Hanson, Jr., and Forrest A. Richey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 21, 1948, Serial No. 55,686
4 Claims. (Cl. 95—2)

1. The method of developing a multi-color image in a photographic emulsion layer containing differently-sensitized silver bromide and silver chloride grains, which comprises exposing said emulsion layer, developing only the exposed silver chloride grains of said layer with a color developer containing an antifoggant selected from the class consisting of 6-nitrobenzimidazole, 6 - nitrobenzimidasole nitrate, 5 - nitroindazole, benzotriazole and 2-amino-5-methyl benzotria-

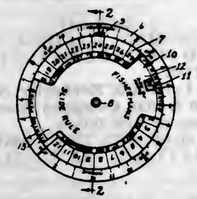


zole, removing undeveloped silver chloride from the layer, and developing the exposed silver bromide grains with a different color developer free of said antifoggant.

2,496,941
N-(DI-SUBSTITUTED THIOCARBAMYL-THIO-METHYLENE) AROMATIC AMINES
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application February 26, 1945, Serial No. 579,889
11 Claims. (Cl. 260—455)

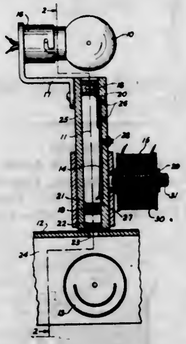
9. As new compositions of matter, the N-(dialkyl thiocarbamyl-thio-methylene)-N-phenyl naphthylamines.

2,496,942
CALCULATING DEVICE
Keith A. Hill, Rockford, Ill.
Application October 16, 1945, Serial No. 622,536
1 Claim. (Cl. 235—88)



In an indicating apparatus, an outer disc provided with a circle of designations, an intermediate disc of less diameter than the outer disc concentrically mounted for rotation on said outer disc and provided adjacent its margin with a circle of designations adjacent the circle of designations on the outer disc, an indicator on the outer disc by means of which the intermediate disc may be set with any of its designations opposite the indicator, and an inner disc concentrically mounted for rotation with respect to the outer and intermediate discs and comprising an inner portion of a diameter to expose a plurality of designations on the intermediate disc to facilitate its setting and having two substantially opposite and substantially equal segments the outer edges of which are of a diameter and curvature to cover some of the designations on the intermediate disc, each segment having circumferentially spaced parts indicating limits of designations on the outer disc, an indicator for one of said segments for locating it in a definite position with respect to designations on the intermediate disc, the spaced parts for the opposite segment for indicating limits of designations on the outer disc being slightly more than 180 degrees in a clockwise direction from the corresponding spaced parts of the segment carrying the indicator by which the inner disc is located.

2,496,943
SOUND FILM SCANNING APPARATUS WITH AUTOMATIC LIGHT VARIATION COMPENSATION
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 19, 1946, Serial No. 704,399
18 Claims. (Cl. 179—100.3)

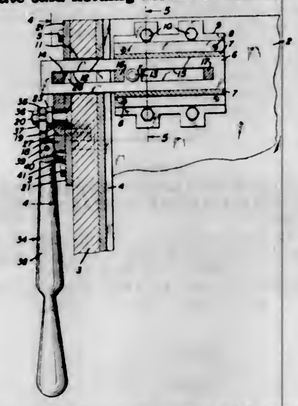


1. In a sound film scanning apparatus adapted for use with alternating current, an excitor lamp, an optical system adapted to project a beam of light upon the sound track of the film, a phototube optically aligned with said lamp and optical system and positioned to receive light which has traversed the sound track, a reed capable of being vibrated and projected partially into the light beam, means to vibrate said reed in synchronism with the cyclic variations in lamp brightness caused by the use of alternating current, and means to adjust the phase of the reed vibrations relative to the variations in lamp brightness, whereby the light flux impinging upon the sound track remains substantially constant.

2,496,944
TAIL GATE FASTENING MEANS
Lorenzo D. James, Long Beach, Calif., assignor of one-half to Flora L. Taulman, Long Beach, Calif.
Application October 30, 1947, Serial No. 783,012
3 Claims. (Cl. 292—200)

1. Tail gate fastening means for securing a tail gate to one side of a wagon body comprising a latch bolt slidable on said tail gate to project the same through said side into latching position and having a slot therein, means on said side rotatable into a bolt locking position and entering said slot in said position thereof, means for holding said rotatable means against rotation in the locking position thereof operative to ineffective position, and an articulated hand lever swingable as a unit in one direction about one axis to rotate said rotatable means and including a handle

swingable in another direction about another axis to operate said holding means to ineffective posi-



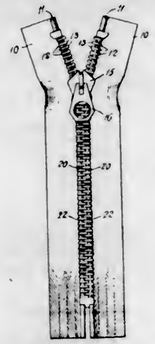
tion, and simultaneously couple said lever to said rotatable means.

2,496,945
THREAD RETAINER AND SAVER
Alfred Hudson Johnson, Downey, Calif.
Application November 12, 1947, Serial No. 785,412
6 Claims. (Cl. 242—126)



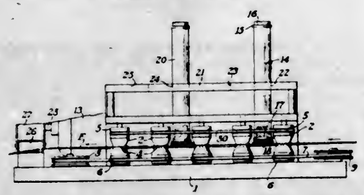
6. A spool attachment of the class shown and described comprising a one-piece structural assemblage fashioned from a single length of strap metal, one end portion of said strap being bent upon itself and providing a readily applicable and removable U-shaped member, the other end portion being bent upon itself to provide an L-shaped member, said U-shaped member embodying a central bight portion and lateral end portions, one end portion terminating in a bend which is laterally offset and functions as an adapter to fit into an end portion of the bore of a spool, the other lateral end portion terminating in an offset bend and said bend constituting an adapter to fit into said bore and also functioning as a yieldable spring, the short limb of said L-shaped member being attached to said spring and disposed in spaced parallelism in relation to the adjacent end portion of the U-shaped member, the longer limb being disposed in overlapping relation with the bight portion and being slidably connected to said bight portion, said bight portion and longer limb having registerable apertures for passage of a free end portion of the thread on said spool, the first-named lateral end portion of said U-shaped member being provided with a slot, the adjacent free end portion of said longer limb being provided with a laterally bent tang keyed for operation in said slot.

2,496,946
FASTENER STRUCTURE
Robert C. Legat, New Britain, Conn., assignor to The G. E. Prentice Mfg. Co., Kensington, Conn., a corporation of Connecticut
Application October 9, 1945, Serial No. 621,233
5 Claims. (Cl. 24—205.16)



1. A stringer for a fastener of the slide operated type, comprising a textile supporting member, a series of fastener elements attached in spaced relation to a longitudinal edge of said supporting member and having free ends projecting outwardly from such edge, the portions of said edge intermediate said elements being each composed of a substantially homogeneous compound which is hard, stiff and rigid impregnating the textile portion and coating such impregnated portion to form a substantially cylindrically-shaped portion so dimensioned that the ends of such portions engage the opposed side surfaces of adjacent elements, and the portions of such edge to which the elements are attached being flexible and having a cross-sectional dimension less than that of said intermediate coated portions.

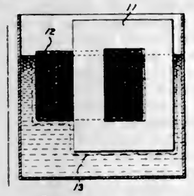
2,496,947
FILM PROCESSING MACHINE WITH FILM OPERATED CONTROL MEANS FOR A FLUID APPLICATOR
Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 20, 1945, Serial No. 623,541
13 Claims. (Cl. 95—94)



1. A film processing machine comprising a base, a plurality of pairs of spaced rollers mounted on shafts, each roller having a reduced portion for engaging film edges of less diameter than the remaining portions thereof and each pair of rollers being so spaced that a film passing between the rollers may be bowed transversely and guided through contact with the reduced portions of the rollers, means for driving the rollers to pass a film through a path at right angles

to the roller shafts defined by the reduced portions of the rollers with the edges of the film in frictional contact with the reduced portions of the rollers, and means between certain of the rollers for applying a film treatment fluid to an area of the film supported by the reduced portions of the rollers and passing between said rollers.

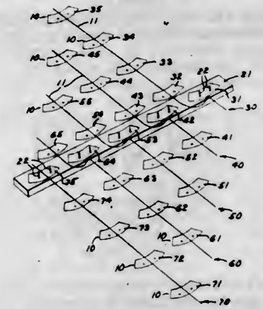
2,496,948
INSULATION COMPOSITION FOR ELECTRICAL DEVICES
Raymond P. Lutz, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1945, Serial No. 637,431
4 Claims. (Cl. 260—23)



1. A coating composition for coating insulation of an electrical device comprising a thermosetting copolymer of 30 to 95 parts by weight of styrene and 5 to 70 parts by weight of an alkyd resin consisting of a half ester of castor oil and maleic acid to which is added approximately .5% by weight of a wetting agent consisting of an alcohol-soluble resin which is the residue produced by steaming pine wood chips to remove volatile substances therefrom, extracting the steamed wood chips with a coal tar hydrocarbon, evaporating the coal tar hydrocarbon and other volatile constituents of the extract from the extract to produce a solid residue, extracting rosin from said residue with a light petroleum hydrocarbon, and separating the extract from the light petroleum hydrocarbon - insoluble components of the original extraction of pine wood to facilitate the coating of said insulation with said material.

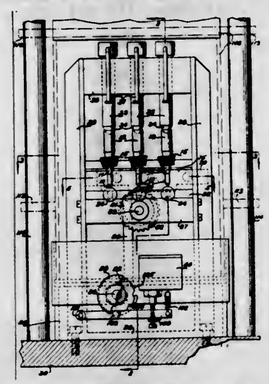
2,496,949
METHOD OF ASSEMBLING SLIP MULTIPLE TERMINAL BANKS
Eugene L. Malhiot, Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 704,833
9 Claims. (Cl. 29—155.55)

1. A method of assembling slip multiple terminal banks which comprises cutting strings of interconnected card units having terminals thereon interconnected by wires into predetermined lengths having a predetermined number of cards in each length, placing a plurality of said lengths of interconnected cards equal to the number of cards in each length in position parallel one to another with the cards progressively aligned in an echelon arrangement whereby the first card of the first length is in a transverse row with the last card of the last length, placing the first card of the second length on top of the first card of the first length, placing the second card of the third length on top of the second card of the second length, placing the first card of the third length on top of the first card of the second length, continuing the placing of the cards one on top of the other in the order just mentioned for all succeeding lengths until all except the last of the cards of the last length have been placed upon cards of the other lengths, placing the second card of the first length on top of the second card of the last length, placing the third



card of the first length on the third card of the last length, and continuing the just-mentioned sequence with all of the remaining cards of all of the lengths in sequence with the cards of each length being placed upon corresponding cards of the lengths then on top of the bank.

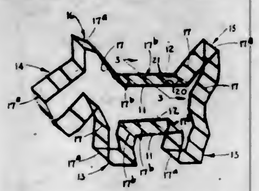
2,496,950
HIGH-FREQUENCY HEATING APPARATUS FOR SEQUENTIALLY BRAZING A PLURALITY OF PARTS IN A PROTECTIVE ATMOSPHERE
Jerome R. Marcus, Chicago, and Orville F. Warning, Melrose Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1946, Serial No. 687,434
6 Claims. (Cl. 219—47)



1. A high frequency heating apparatus for brazing successive ones of a series of articles in a protective atmosphere comprising a chamber for containing said protective atmosphere, a plurality of heating coils in said chamber connected in series to a source of high frequency current, holders for holding said articles in position in said heating coils, commutator members connected to said coils, brushes for engaging said commutator members to short circuit some of said coils, and control means extending outside of said chamber

for effecting a relative movement between said commutator members and said brushes for selectively and successively short-circuiting some of the coils to sequentially energize the coils.

2,496,951
TOY FRAME FOR STUFFED TOYS
Abraham Menzin, New York, N. Y.
Application February 23, 1946, Serial No. 649,507
3 Claims. (Cl. 46—151)



1. In a toy frame having two like frame members parallelly connected together by spaced groups of supports, means between the spaced groups of supports adjustably connecting together the frame members to be expanded between the spaced groups of supports, comprising a female member mounted at one end on one of said frame members and having its other end extended toward the other frame member, a male member mounted at one end on the other frame member and having its free end slidably extended into said female member, and cooperating teeth formed on said female member and said male member for holding said male and female members in various extended positions to similarly space the frame members.

2,496,952
SHOCK ABSORBER
Jean Mercier, New York, N. Y.
Application January 23, 1946, Serial No. 642,925
9 Claims. (Cl. 188—88)



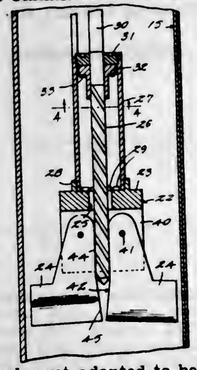
1. A hydraulic astatic shock absorber comprising a working cylinder and an encircling cylinder surrounding the working cylinder and providing an oil reservoir therebetween, a base member connected with the encircling cylinder and also carrying the working cylinder, a piston motivating rod for the working cylinder and provided with a piston, a top end member closing the upper end of the encircling cylinder and through which said piston rod slidably extends in sealing relationship therewith, said working cylinder being confined between said base and said top end member, two sets of oil passages through the piston through which oil may pass upwardly or downwardly, upper valve means on the upper face of the piston for one set of said oil passages to check downward oil flow therethrough, lower valve means on the lower face of the piston for the other set of said oil passages, upper spring means to check upward oil flow therethrough confined and compressible between said upper valve means and the upper end portion of the working cylinder for loading the upper valve means with a pressure that is variable as a function of piston travel between neutral and above-neutral piston position, lower spring means confined and compressible between said lower valve means and the lower end portion of the working cylinder for loading the lower valve means with a pressure that is variable as a function of piston travel between neutral and below-neutral piston position, said two sets of valve means with their associated spring means together with said check-valved inflow and outflow passages all being coactive to allow for a shock-initiated movement of the piston from neutral position in either upward or downward direction in which the movement of the piston is relatively unsnubbed during its stroke from neutral position and is snubbed at a variable rate which decreases as a function of travel of the piston during its return stroke to neutral position.

2,496,953
AUTOMATIC NECK FITTING SCARF
Dante A. Pinnere, Rochester, N. Y., assignor to The Zipper Scarf Corporation, Rochester, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 654,083
1 Claim. (Cl. 2—91)



A scarf comprising a longitudinal knit fabric member having opposite longitudinal marginal edges and ends, one of said longitudinal edges being straight from end to end and the other of said longitudinal edges having a recess therein intermediate said ends, said recess being longer than it is deep thereby forming a center portion in said member intermediate its ends which is narrower than the flanking portions thereof, said narrower portion adapted to be arranged on the neck and shoulder region of a wearer, and said flanking portions adapted to be arranged on the chest of the wearer, a slide fastener consisting of two spaced elements, both of which are secured to the same longitudinal edge of said member, and each element terminating adjacent but spaced from said ends and terminating adjacent the ends of said recess, said elements cooperating to releasably hold together portions of the longitudinal edge having said fastener secured thereto, said fabric member being substantially planar in the region of said recess so that the fabric member fits flush against the chest and shoulder region of the wearer, a reinforcing strip secured to the straight longitudinal edge along a portion thereof which is opposite the recess in said knit fabric member, and said strip terminating adjacent the ends of said elements to restrict stretching of said narrower portion of said fabric member to correlate said slide fastener elements in the use thereof.

2,496,954
DEEP WELL DRILLING DEVICE
Victor Prassel, San Antonio, Tex.
Original application September 24, 1945, Serial No. 618,255. Divided and this application October 18, 1946, Serial No. 704,213
2 Claims. (Cl. 255—61)



1. An attachment adapted to be mounted adjacent the lower end of a vertical drill rod of a well drilling device comprising: a cylindrical body having a central bore extending therethrough, a plurality of cutting blades positioned radially of said bore adjacent the lower end thereof and pivotally connected to the body adjacent said bore, a vertical sleeve secured to the upper end of said body in axial alignment with said bore, bearing means secured to the upper end of said sleeve, clutch teeth annularly arranged in the upper surface of said body adjacent said bore and within said sleeve, a pilot bit rotatably mounted above said bore and slidable vertically therein, a drill rod connected to the upper end of said pilot bit, a radial clutch element rigidly secured to the upper end of said pilot bit beneath said bearing means engageable on its upper surface with said bearing means to support said body during the lowering of said attachment in a well, clutch teeth provided on the under surface of said clutch element engageable with the teeth on said body, to impart rotation to said body when the pilot bit has advanced a distance sufficient to allow for the engagement of said clutch elements.

2,496,955
1-ALKYL-4-PYRROLIDINOETHYLAMINO-PIPERIDINES
Robert H. Reitsema, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application April 30, 1948, Serial No. 24,421
4 Claims. (Cl. 260—293)

1. A compound selected from the group consisting of 1-lower-alkyl-4-(beta-pyrrolidoethylamino)-piperidines and acid salts thereof.

2,496,956
1-ALKYL-4-(BETA-HYDROXYETHYLAMINO)-PIPERIDINES
Robert H. Reitsema, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application April 30, 1948, Serial No. 24,427
4 Claims. (Cl. 260—293)

1. A compound of the group consisting of 1-lower-alkyl-4-(β-hydroxyethylamino)-piperidines, wherein the lower-alkyl group contains from one to eight carbon atoms, inclusive, and acid salts thereof.

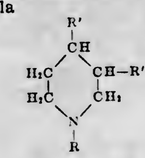
2,496,957
1-ALKYL-(N-BENZYL-N-ALPHAPYRIDYL-AMINO)-PIPERIDINES AND THEIR PRODUCTION
Robert H. Reitsema, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application June 18, 1949, Serial No. 100,087
5 Claims. (Cl. 260—293)

1. A compound selected from the group consisting of: (*a*) 1-lower-alkyl-4-(N-benzyl-N-alphapyridylamino)-piperidines and 1-lower-alkyl-3-(N-benzyl-N-alpha-pyridylamino)-piperidines wherein the lower-alkyl radical contains from one to eight carbon atoms, inclusive, and (*b*) salts thereof with acids.

5. The method which includes the step of heating a compound from the group consisting of the 1-alkyl-4-benzylaminopiperidines and the 1-alkyl-3-benzylaminopiperidines with a halopyridine from the group consisting of 2-bromopyridine and 2-chloropyridine in the presence of an acid-binding agent to form a compound from the group consisting of the 1-alkyl-4-(N-benzylalphapyridylamino)-piperidines and the 1-alkyl-3-(N-benzylalphapyridylamino)-piperidines.

2,496,958
1-ALKYL-BENZYLAMINOPIPERIDINES AND THEIR PRODUCTION
Robert H. Reitsema, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application June 18, 1949, Serial No. 100,088
6 Claims. (Cl. 260—293)

1. A compound selected from the group consisting of the 1-alkyl-benzylaminopiperidines having the formula

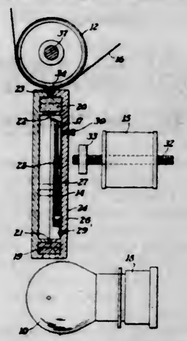


wherein R is an alkyl radical having from 1 to 7 carbon atoms, inclusive, one R′ is hydrogen and the other R′ is the benzylamino group, and acid addition salts thereof.

2,496,959
PHOTOGRAPHIC SOUND TRACK SCANNING APPARATUS WITH LIGHT FLICKER COMPENSATION
John A. Rodgers, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 8, 1947, Serial No. 720,721
12 Claims. (Cl. 179—100.3)

1. In a device for use with alternating current adapted to project a beam of light of substantially constant light flux, a lamp, an optical system adapted to project a beam of light from the lamp, a reed capable of being vibrated and projected partially into the light beam to intercept varying amounts of light flux, an electromagnet

adjacent to said reed and connected in series with the lamp, the electromagnet being adapted to vibrate said reed in synchronism with the cyclic variations in lamp brightness, and means to

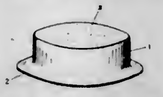


adjust the phase of the reed vibrations relative to the variations in lamp brightness, whereby the light flux of the beam emitted by the device remains substantially constant.

2,496,960
PRODUCTION OF 4,4'-DIKETO-DICYCLOHEXYL
John R. Schaefgen, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application March 5, 1946, Serial No. 652,230
2 Claims. (Cl. 260—586)

1. The process of producing 4,4'-diketodicyclohexyl which comprises dehydrogenating 4,4'-dihydroxydicyclohexyl dissolved in phenyl ether in the presence of copper chromite.

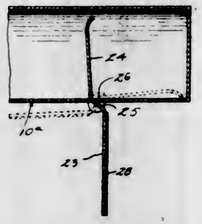
2,496,961
PROCESS FOR THE PRODUCTION OF SPINNING JETS
George Schneider, South Orange, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application October 15, 1946, Serial No. 703,326
4 Claims. (Cl. 204—24)



1. Process for the production of spinning jets having a plurality of extremely fine orifices adapted for filament-forming operations, which comprises forming in a spinning jet of a conducting material a plurality of orifices having a diameter of about 0.052 millimeter, immersing said spinning jet in an electrolytic plating bath comprising an acidified solution of chromic acid, and electroplating the internal and external surfaces of said spinning jet with a layer of chromium until the orifices are reduced to a diameter of about 0.028 millimeter.

2,496,962
SIGNAL FOR NEWSPAPER DELIVERY BOXES
William S. Shaw, Boise, Idaho
Application August 23, 1948, Serial No. 45,741
1 Claim. (Cl. 232—1)

A newspaper receiver comprising a tubular housing open at the front end thereof, an opening formed in the rear portion of the underside of the wall of said housing, an integral, biased plate structure having opposite offset portions and a central connecting portion, a pintle fixed to said connecting portion, means comprising apertured lugs disposed exteriorly of and adjacent the opposite side edges of said opening said pintle extending through the apertures in



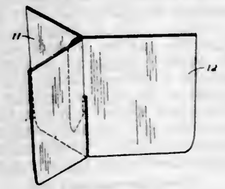
said lugs rockably to mount said plate on said housing with one of said offset portions extending through said opening and loosely disposed within said housing to provide a signal operator, and the other of said offset portions disposed without said housing and providing a signal member whereby insertion of a paper into said housing will rock said signal operator and effect swinging of said signal member.

2,496,963
METHOD OF HEAT SEALING RUBBER HYDROCHLORIDE
James E. Snyder, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application February 10, 1947, Serial No. 727,737
5 Claims. (Cl. 154—116)

1. The method of uniting rubber hydrochloride surfaces which comprises treating with a solvent at least one of the surfaces to be united while leaving an adjacent area untreated and pressing the surfaces together and heating them including the untreated area to a temperature below that at which the untreated rubber hydrochloride becomes tacky but high enough to effect a seal with the treated surface, said solvent being nonvolatile at said temperature but being dissolved into the film surface by such treatment whereby the treated surface becomes tacky and the surfaces are united without rendering the untreated area tacky.

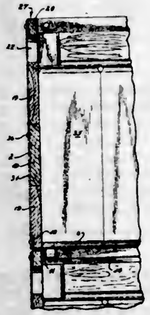
2,496,964
CONTAINER PARTITIONING DEVICE
Frank C. Steinhauer, Decatur, Ga.
Application June 11, 1947, Serial No. 753,844
2 Claims. (Cl. 220—22)

1. A partitioning device, to be utilized in connection with a receptacle having a constricted opening, comprising a plurality of cooperating plates, one of said plates having a slot extending downwardly from its upper edge, said plate being bent along the axis of said slot so that the ends of the plate diverge therefrom at an angle of approximately 120 degrees, another of said plates having an overhanging lip portion extending downwardly from its upper edge but terminating short of the bottom edge of the plate of which it is a part and forming a slot between the inner edge thereof and the adjacent edge of the remainder of said plate, the said adjacent edge being straight, the inner edge of said lip portion being substantially parallel with said adjacent edge near the upper end of the slot formed thereby and diverging from said adjacent edge near



the open lower end of said slot whereby said slot is made wider at its open lower end and permits the plates to be assembled at an angle to each other and then interlocked in place inside the receptacle with which they are utilized.

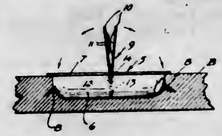
2,496,965
CRATE FOR PAPER MILK CONTAINERS
Donald R. Swingle, Chattanooga, Tenn., assignor to Cumberland Case Co., Chattanooga, Tenn., a corporation of Tennessee
Application November 15, 1948, Serial No. 60,043
8 Claims. (Cl. 217—36)



1. A crate comprising side walls each having a horizontal recess in its exterior surface and extending longitudinally along the lower edge, a bottom having upstanding flanges integral therewith and disposed in said recesses, a plurality of bracing elements each extending along one of the edges formed by the junctions of the walls with the bottom, each bracing element comprising an upstanding flange disposed within one of said recesses and lying flat upon one of said bottom flanges and having an exterior surface lying flush with the exterior surface of the adjacent wall, a horizontal bearing portion extending inwardly from said bracing element flange and lying flat against the lower surface of the bottom, and a stacking portion projecting downwardly from the bearing portion and being of U-shaped cross-section and having an exterior vertical leg integral with said bearing portion, said leg being spaced inwardly of the interior surface of the respective wall, and means securing said flanges to said walls.

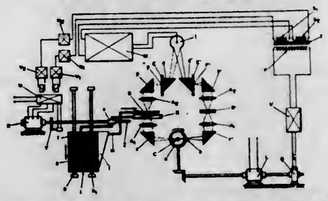
2,496,966
DRAWER PULL
Frank G. Szager, Inglewood, Calif.
Application September 5, 1945, Serial No. 614,500
2 Claims. (Cl. 16—115)

1. A drawer pull of the class shown and described comprising a shallow elongated receptacle closed at its back and open at its front, a hinge pin transversely bridging said open front and spaced a predetermined distance from said back and also located centrally with respect to the opposite transverse end portions of said receptacle, a drawer pull provided adjacent one end portion with a knuckle, the latter hingedly mounted on said pin, said one end portion, on one side of said knuckle, constituting a finger-trippable actuator and the length of the latter



being less than the depth of said receptacle, the opposite end portion of said pull embodying limbs projecting from the other side of said knuckle, said limbs being of lengths equal to each other but less than the distances between the hinge pin and transverse ends of said receptacle in order to fold without hindrance into said receptacle on either side of said pin, and said limbs being provided with depressions constituting finger-holds.

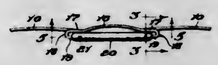
2,496,967
AUTOMATIC RECORDING MICRO-PHOTOMETER
Etienne Vassy, Paris, France
Application February 25, 1948, Serial No. 10,865
In France June 6, 1947
7 Claims. (Cl. 250—204)



1. In an automatic recording microphotometer of the type described including a single light source and two separate optical paths extending from said source and both terminating in a common photocell, a common electric transmission path from said photocell and two separate output transmission paths fed from said common transmission path, means for continually alternately switching the beam issuing from said light source from one to the other of said optical paths, comprising a light-opaque rotatable cylinder arranged coaxially around said light source and having a plurality of identical and angularly equispaced slots formed in the peripherical surface thereof, so arranged with respect to the respective inputs of said optical paths as to uncover said beam to each of said optical paths in alternate succession; means for rotating said cylinder; and means controlled by said uncovering of said beam for alternately blocking each of said output transmission paths in synchronism with said alternate uncovering of said beam.

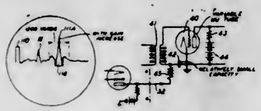
2,496,968
ALPHA:BETA:2:2'-TETRAMETHYL-4:4'-DIHYDROXYSTILBENE
Eric Walton and Bertram James Frank Hudson, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 17, 1946, Serial No. 691,392. In Great Britain October 5, 1945
1 Claim. (Cl. 260—613)
α:β:2:2'-tetramethyl-4:4'-dihydroxystilbene.

2,496,969
SPECTACLE SWEAT BAR
Wilbur Wentworth, Cranston, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application October 7, 1947, Serial No. 778,354
1 Claim. (Cl. 88—41)



In an ophthalmic mounting a pair of lens rims, a single bar fixed to and extending between said rims at their upper edges, the ends of said bar being bent rearwardly and then back upon themselves in aligned spaced relation so that their end portions are parallel to and spaced from the plane of the lenses, and a sweat bar supported on said end portions by said end portions extending into the ends of said sweat bar.

2,496,970
CATHODE-RAY TUBE CIRCUIT
Hugh S. Wertz, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1947, Serial No. 770,653
4 Claims. (Cl. 315—24)

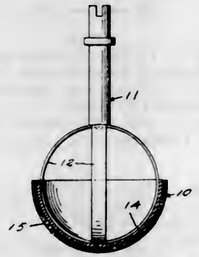


1. A cathode ray tube arrangement comprising means for generating a beam of electrons, a screen or target for said beam, a first means for deflecting said beam, means for applying a cyclically recurring deflecting wave to one of said deflecting means for sweeping said beam across said screen, each cycle of said wave having a sweeping portion and a flyback portion, said wave having its rate of change of amplitude in one certain part of the sweeping portion thereof higher than in any other part of said sweeping portion, a second deflecting means for deflecting said beam in a direction at right angles to that produced by said first deflecting means, means for applying a signal to said second deflecting means, means for increasing the gain of the signal, means for generating a pulse of the duration of said certain part of the sweeping portion of the deflecting wave, and means for applying said pulse to said gain increasing means to control the operation thereof during said certain part of the deflecting wave.

2,496,971
THERMITE COATING PROCESS
Sol B. Wiczer, Washington, D. C.
No Drawing. Original application April 24, 1943, Serial No. 484,479. Divided and this application April 30, 1948, Serial No. 24,410
2 Claims. (Cl. 117—50)

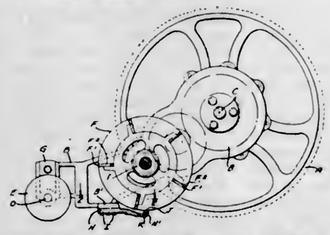
2. The process of coating an iron casting which comprises, heating the casting until it is white hot, allowing the casting to cool just sufficiently to harden, evenly applying a mixture of two parts by weight of chromic oxide powder and one part by weight of aluminum powder to a surface of the hot casting, whereby a reaction occurs on the surface of the hot casting, between the chromic oxide and aluminum powder mixture to provide a metallic coating on the casting.

2,496,972
SCOURING ATTACHMENT FOR ELECTRIC MIXERS
Helen C. Wolfe, Cincinnati, Ohio
Application July 8, 1946, Serial No. 681,862
2 Claims. (Cl. 15—230)



1. A scouring attachment for an electric mixer comprising a rotatable shaft, a pair of right angularly related intersecting circular resilient strips fixed to the lower end of said shaft, a resilient body substantially greater in configuration than a hemisphere engageable about the lower ends of said circular strips, and an abrasive outer surface on said body.

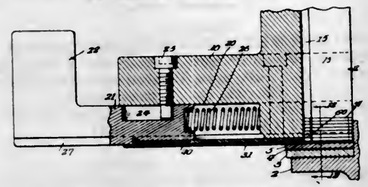
2,496,973
BED KNIFE FOR LAWN MOWERS
Edward H. Worthington, East Stroudsburg, Pa.
Application March 16, 1946, Serial No. 654,900
3 Claims. (Cl. 56—294)



1. In a lawnmower, the combination with a fly knife and a framework comprising side frame members in which the fly knife is journalled for rotation about its axis, of a bed knife support extending between and secured at its ends to said side frames and formed with a guideway approximately directly beneath the fly knife and in the form of a slot elongated in the direction of said

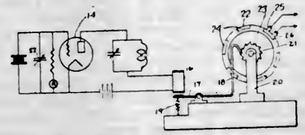
axis and open at its upper edge and having parallel, approximately vertical side walls, a bed knife in the form of a bar having its lower portion in said guideway and having parallel, approximately vertical, side walls in sliding engagement with said guideway side walls and having upper and lower edges transverse to its side walls and normally having its upper edge in contact with the fly knife and forming the bed knife cutting edge, and means carried by said support acting between the latter and the lower edge of said bed knife for moving the latter toward the fly knife as required to maintain contact with the fly knife as the knives wear.

2,496,974
NAILING MACHINE
Edgar P. Anstett, Chicago, Ill., assignor, by direct and mesne assignments, to Powernails Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1945, Serial No. 584,755
10 Claims. (Cl. 1—46)



1. A nailing machine having a nail driving plunger adapted to bear against the head end of a nail, the nail driving bearing end of the plunger being inclined with respect to a plane at right angles to the direction of travel of the plunger, and means for supporting a nail against bending under the action of said inclined bearing end of the plunger during at least a part of the nail driving movement.

2,496,975
TEMPERATURE RESPONSIVE PIEZO-ELECTRIC CRYSTAL OSCILLATOR
Henry M. Bach, Lawrence, N. Y., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y.
Application April 17, 1945, Serial No. 588,877
5 Claims. (Cl. 250—36)

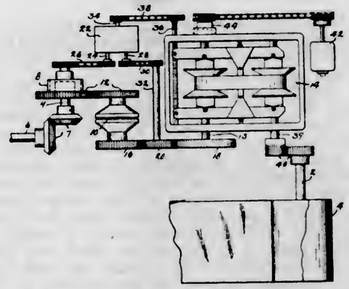


1. Means for controlling the operation of electrical equipment in accordance with changes in temperature, comprising a piezo-electric vibratory element, means for maintaining the equipment in a first condition when said vibratory element is vibrating in a first mode of vibration, said vibratory element having a second mode of vibration adapted to couple with said first mode in a predetermined manner responsive to changes in temperature, means for presetting the coupling temperature comprising a variable condenser calibrated in degrees of temperature connected across said vibratory element, and means responsive to the coupling of said second mode to said first mode for transferring the equipment from said first condition to a second condition.

2,496,976
TRANSPARENT WRAPPING FILMS OF 2,3-DICHLOROBUTADIENE COPOLYMERS
Arthur L. Barney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 10, 1948, Serial No. 26,239
7 Claims. (Cl. 260—82.1)

1. A transparent, tough wrapping film of from 0.0001 to 0.010 inch in thickness comprising a copolymer of 2,3-dichloro-1,3-butadiene with another 1,3-diene, said copolymer containing from 85% to 96% by weight of said dichlorobutadiene and from 15% to 4% by weight of said other 1,3-diene.

2,496,977
DIFFERENTIAL REWIND CONTROL
Rudolph P. Bechle, Yonkers, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application January 10, 1947, Serial No. 721,202
7 Claims. (Cl. 242—75)

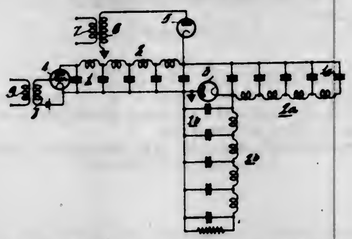


1. Rewind mechanism comprising in combination a drive shaft, an over-running clutch, a slip clutch and a variable speed device; a differential for varying the setting of the variable speed device; the input side of the slip clutch being connected to the output side of the over-running clutch; a shaft for the differential connected to the input side of the over-running clutch; another shaft for the differential rotatably connected intermediate the output side of the slip clutch and the input of the variable speed device, and a third shaft for the differential for varying the setting of the variable speed device.

2,496,978
POLYTETRAFLUOROETHYLENE WAXES HAVING A SHARP MELTING POINT
Kenneth L. Berry, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1946, Serial No. 675,844
4 Claims. (Cl. 260—92.1)

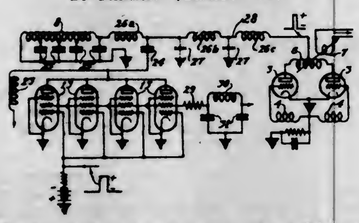
3. A normally hard, friable polytetrafluoroethylene wax consisting of pyrolyzed tetrafluoroethylene polymers showing on X-ray diffraction the characteristic pattern of a microcrystalline structure and having a sharp melting point between 320° and 327° C.

2,496,979
APPARATUS FOR GENERATING ELECTRICAL IMPULSES
Alan Dower Blumlein, deceased, late of Ealing, London, England, by Doreen Blumlein, executrix, Lanherne, Lescudjack, Penzance, Cornwall, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application September 24, 1945, Serial No. 618,338
In Great Britain October 10, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 10, 1961
9 Claims. (Cl. 171—97)



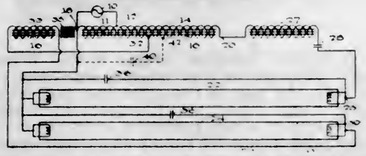
9. Apparatus for generating electrical impulses comprising a time delay network including shunt capacity and series inductance, charging means for charging the capacity of said time delay network, a switch connected across one end of said network for providing a path of low resistance when the switch is closed, a unilaterally conducting load connected across the other end of said network and connected in such direction that if said charging means are caused to charge said network the polarity of the voltage across said capacity is such as to render such load non-conducting, whereby if said switch is closed to provide a path of low resistance after said network has been charged the charge in said network is redistributed so that the polarity of the voltage across said capacity is reversed whereupon said load becomes conducting and dissipates the energy stored in said network.

2,496,980
PULSED OSCILLATOR
Alan Dower Blumlein, deceased, late of Penzance, Cornwall, England, by Doreen Walker, executrix, Penzance, Cornwall, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
Application June 19, 1946, Serial No. 677,673
In Great Britain January 27, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires January 27, 1960
10 Claims. (Cl. 250—36)



5. Apparatus for applying to a load, high voltage impulses of short duration at time intervals long in relation to said short duration, comprising at least one thermionic valve arranged so as to be non-conducting, said valve including an electrode connected to serve as a screening grid and an oscillatory circuit connected between said screening grid and a source of positive voltage whereby the voltage drop due to current flowing through said screening grid maintains a current in the output circuit of said valve at a low value during the preliminary portion of said predetermined time periods, said oscillatory circuit being so tuned that in operation due to oscillations of said circuit the voltage of said screen grid rises to a maximum towards the end of said predetermined time periods, an inductance connected in an output circuit of said valve, means for causing said valve to conduct for a predetermined time period substantially shorter than said time intervals so as to build up a current in said inductance and for thereafter causing said valve suddenly to return to the non-conducting state so as to set up said high voltage impulse across said inductance, and means for feeding said impulses to said load.

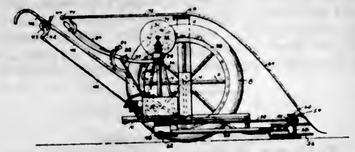
2,496,981
NEGATIVE REACTANCE LAMP SYSTEM
Charles P. Boucher and Russell W. Keiser, Atlanta, Ga., assignors to Boucher and Keiser Company, Atlanta, Ga., a partnership
Application April 26, 1944, Serial No. 532,827
1 Claim. (Cl. 315—138)



In a fluorescent lamp lighting system, in combination, a source of alternating current of commercial voltage, a pair of similar lamps having high initial breakdown impedance and negative impedance operating characteristics; a transformer-reactor assembly including magnetic core means, a primary winding on said core connected to said source, an auto-connected secondary winding having a turns-ratio to provide an open circuit potential sufficient to effect initial lamp impedance breakdown, a reactive winding on said core non-inductively related to the transformer windings and connected in series with said secondary winding and one of said lamps to reduce the said potential to normal for lamp operation on closed circuit, a condenser in said series circuit sized to provide an over-all power-factor approaching unity, an inductively coupled secondary on said core having minimum turns to provide good regulation serially connecting the second lamp with such a portion of the auto-connected secondary as to provide an open circuit potential sufficient to effect initial lamp impedance breakdown, said core means including a high reluctance shunt magnetically separating the inductively coupled secondary from the primary for decreasing the coupling therebetween upon the flow of current in said secondary winding whereby normal potential is provided for lamp operation.

2,496,982
CROP CUTTER
Ezra P. Brukholder, Ephrata, Pa.
Application January 21, 1947, Serial No. 723,377
1 Claim. (Cl. 56—53)

In a crop cutter having a U-shaped wheeled frame, a platform carried by and within the frame centrally thereof and a motor having a vertically disposed shaft mounted on the frame, the improvement comprising a cutter disk operatably connected to the said shaft, a supporting frame for the cutter disk pivotally mounted on said platform, manual means for swinging said



frame, movement limiting means on said manual means, said manual means being pivoted at the upper end of the frame at its central portion and to the supporting frame at its forward end, and power transmitting means between the shaft and the wheels on the frame.

2,496,983
ANTIKNOCK MIXTURES
George Calingaert, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 20, 1948, Serial No. 61,307
8 Claims. (Cl. 252—386)

1. An antiknock composition consisting essentially of leadalkyl antiknock compound and a scavenger in an amount sufficient to reduce lead deposits in an engine by forming volatile lead compounds, a principal active scavenging ingredient of which is a halogenated ether having a vapor pressure at 50° C. above 0.2 millimeter of mercury selected from the class of brominated and chlorinated lower alkyl ethers.

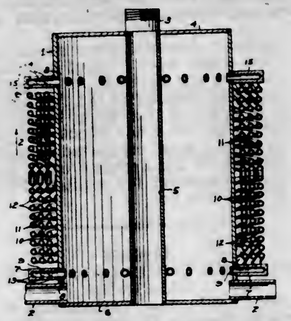
2,496,984
REMOVABLE COVER FOR BRICKS
John R. Clark, Silver Spring, Md.
Application August 9, 1945, Serial No. 609,833
1 Claim. (Cl. 206—46)



The combination of a brick unit consisting of a predetermined number of bricks arranged in stretcher and header rows superimposed on supporting bricks arranged in fixed spaced relation; and a cover for the unit comprising a foldable envelope slidable over the unit and adapted to rest on and pend from the top of the unit, the corners of the cover being formed to provide flaps tapering outwardly toward the marginal edges of the cover to provide hand holds.

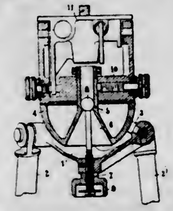
2,496,985
STEAM BOILER
Emmett R. Cole, Peru, Ind.
Application October 27, 1947, Serial No. 782,404
2 Claims. (Cl. 122—250)

2. In a water tube steam boiler, the combination with a cylindrical shell forming an upper steam dome and having a water inlet and a steam outlet, of an upper exterior circumferentially spaced series of tubular steam spurs and a lower exterior circumferentially spaced series of tubular water spurs mounted in the shell, and multiple units of spaced V-shaped vaporizing tubes ar-



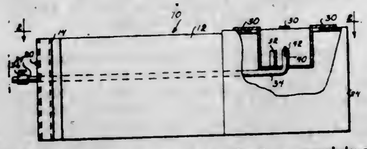
ranged in nested parallelism with their upper ends in communication with the tubular steam spurs and their lower ends in communication with the tubular water spurs.

2,496,986
TRIPOD WITH BALL-AND-SOCKET JOINT
André Clément Coutant and Jacques Mathot, Paris, France
Application December 13, 1946, Serial No. 716,036
In France December 28, 1945
1 Claim. (Cl. 248—181)



A tripod with a ball-and-socket joint designed to allow the apparatus mounted thereon being swung round and tilted in all directions, comprising a head, three pins arranged in a triangle carried by said head each as a hinge for one leg of the tripod, a stud on each pin to serve as a rest for the ball, means to alter the position of the ball on the studs and means to retain said ball in the desired position on said studs.

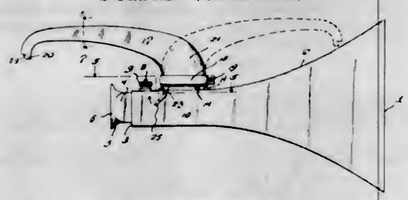
2,496,987
PAN-TYPE LIQUID FUEL BURNER FOR TOBACCO CURERS
Charles W. Critchfield, Alma, Ga.
Application June 6, 1946, Serial No. 674,729
1 Claim. (Cl. 158—91)



A burner of the type described, comprising an elongated draft channel member having a closed

top and sides, and open ends and an open bottom, a fire box of larger cross section than said draft channel member adapted to telescopically receive one open end of the draft channel member, said fire box having a central opening in the top thereof, an oil pan receivable in the opening, right angularly disposed diverging arms on said pan at the upper edge thereof adapted to rest on the top of the fire box for supporting the pan within the opening in the fire box, and the opening in the fire box being larger than the pan to form an air space about the pan, overflow and supply pipes connected to said oil pan and a closure at the opposite open end of the draft channel member for regulating the supply of air to said fire box.

2,496,988
MEGAPHONE, INCLUDING MOUTH- AND EARPIECES
Cecil Cunningham, East Orange, N. J.
Application January 18, 1946, Serial No. 641,949
2 Claims. (Cl. 181—20)

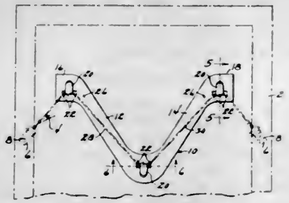


1. A convertible megaphone comprising an elongated, tapered horn having open ends, a throat portion adjacent the smaller end and a lateral opening through the wall of said throat portion, a mouthpiece detachably secured in the smaller end of said horn, a flanged ring secured in said throat portion with the annular flange thereof extending through said lateral opening, a rigid, tapered tube having curved end portions receiving said annular flange in its larger end, the smaller end of said tube being shaped to provide an ear-piece, means carried by said tube at the larger end thereof operative to adjustably secure said tube to said flanged ring, a shaft extending through the throat portion of said horn at the side of said lateral opening adjacent the smaller end of said horn, a crank on said shaft, and a baffle in said throat portion secured at one end to said shaft and movable by said crank between a position in which it closes said lateral opening and a position in which it closes the smaller end of said horn.

2,496,989
AQUEOUS DISPERSION OF ETHYLENE POLYMERS CONTAINING A SALT OF A POLYMERIC AMIC ACID
Martin E. Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 24, 1946, Serial No. 672,153
17 Claims. (Cl. 260—29.6)

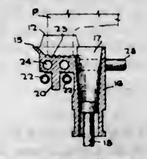
1. A composition containing in aqueous dispersion a solid ethylene polymer and a salt of the class consisting of ammonium and water-soluble basic amine salts of an N-monoalkyl substituted polymeric amic acid of an interpolymer of a polymerizable organic compound containing an ethylenic double bond as the sole aliphatic carbon-to-carbon unsaturation with a butanedioic acid anhydride, the recurring two non-oxo carbonyl groups in said polymeric amic acid being attached directly to adjacent carbon atoms of the polymeric chain which contains structural units in which the amide nitrogen atom has attached thereto hydrogen and a long-chain monoalkyl substituent of at least seven carbon atoms, the basic amines of said salts being those having an ionization constant value greater than 1×10^{-6} when measured at 25° C. and being soluble to the extent of at least five parts per 100 parts of water at 25° C.

2,496,990
PICTURE HANGER
Frederick H. Downing, Balboa, C. Z.
Application May 21, 1947, Serial No. 749,504
1 Claim. (Cl. 248—29)



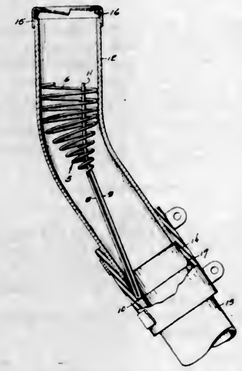
A wall hanger for picture frames comprising a wall plate provided with diverging arms, said plate having arcuate edges at the vertex and provided with horizontally-disposed outwardly-extending ends, said plate having cord-retaining clips projecting from the outer surface thereof, there being a first clip on each of the horizontal extending ends, said first clips opening upwardly, a second clip at the vertex of said plate and opening downwardly, each of said clips having base sections positioned perpendicular to the plate, the base sections of said clips having arcuate lips for engagement with the cord of a picture frame, whereby wear on the cord from accidental sliding of the cord through the clips is reduced to a minimum, the arcuate lips on said first clips having their ends extending downwardly, and the arcuate lip on said second clip having its ends extending upwardly, the length of said plate being substantially equal to the width of a picture frame suspended by the hanger.

2,496,991
MOLD FOR CASTING STORAGE BATTERY STRAPS
Charles Douglas Galloway, Wyndmoor, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application November 8, 1946, Serial No. 708,671
3 Claims. (Cl. 22—74)



1. A mold for casting straps on the plate lugs of assembled storage battery elements comprising an integral body member having side walls and a floor forming an open cavity mold adapted to receive said plate lugs and molten metal to form a strap directly on said plate lugs, said floor having at least one rib projecting from its upper surface into the mold cavity to increase the area and depth of contact between the mold and the casting metal received therein, a heat conducting metal extension integrally formed on the under surface of said floor and projecting outwardly therefrom, said metal extension being longitudinally substantially coextensive with said body member and laterally substantially corresponding with the dimension of said plate lugs lengthwise of said plates, and a heating coil associated in inductive relation with said extension for generating heat therein.

2,496,992
ANTISIPHONING DEVICE
Arthur R. Glidden, Seattle, Wash.
Application October 15, 1946, Serial No. 703,312
2 Claims. (Cl. 220—86)

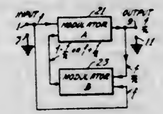


1. A device for theft-proofing a gasoline tank's filler pipe of the described character, and namely a filler pipe composed of joined in-line upper and lower pipe sections of which the upper section has a curve within its length and the lower section presents an upwardly exposed shoulder at its point of juncture with the upper section, said device comprising one continuous piece of spring wire bent to the form of an incurved helix with the initiating convolution having a normal diameter somewhat larger than the inside diameter of the upper pipe section, and with the opposite end of the wire being carried for an appreciable distance beyond the apical end of said inturned helix as a substantial axial prolongation of the said helix, the projecting end of said axial prolongation protecting the device against being pushed downwardly through the pipe and into the tank by coming into contact with and hanging up against said upwardly exposed shoulder of the lower pipe section.

2,496,993
REFINING OF RUTILE
Ernest H. Goda, East Cleveland, Ohio, assignor to The Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 2, 1946, Serial No. 713,469
7 Claims. (Cl. 23—202)

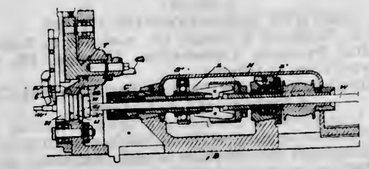
5. The process of refining rutile which comprises while sintering the same in finely divided form with from 60% to 100% by weight of finely divided alkali from the class consisting of hydroxides and carbonates of alkali metals to form titanate, eliminating chromium by the presence of a minor amount of an inorganic halide to react therewith, washing the reacted mass, dissolving the residue in concentrated sulfuric acid and then recovering TiO_2 from such acid solution by hydrolysis.

2,496,994
FREQUENCY DIVIDING NETWORK
Edwin A. Goldberg, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 22, 1945, Serial No. 636,969
2 Claims. (Cl. 250—36)



1. A frequency dividing network for a source of signals of a first predetermined frequency f including a first modulator circuit comprising a first thermionic tube including cathode, anode and grid electrodes and having a cathode circuit responsive to said predetermined frequency f, a grid circuit responsive to a frequency $(f-f/n)$ and an anode circuit tuned to a frequency f/n, where n is the frequency division factor, a second modulator comprising a second thermionic tube including cathode, anode and grid electrodes and having a cathode circuit responsive to said frequency f, a grid circuit, and an anode circuit tuned to said frequency $(f-f/n)$, means for applying said signals of said first predetermined frequency to said cathode circuits of both of said modulator circuits, means connecting said anode circuit of said first modulator circuit to said grid circuit of said second modulator circuit, means connecting said anode circuit of said second modulator circuit to said grid circuit of said first modulator circuit, and means for deriving from said anode circuit of said first modulator circuit signals having a submultiple frequency f/n of said predetermined frequency.

2,496,995
GUIDE COLLET
George Gorton, Racine, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application April 3, 1945, Serial No. 586,330
10 Claims. (Cl. 82—38)



1. In mechanism for guiding and holding bar stock being fed therethrough, in combination, a casing structure provided with an internal annular surface therewithin concentric with the axis of the path of longitudinal movement of bar stock being fed through said casing, said annular internal surface being tapered at a rearward and inward inclination to the axis of the path

of bar stock feed in a direction opposite the direction of feed, a guide head having a bar stock passage therethrough mounted at the bar stock receiving end of said casing, a removable closure having a bar stock discharge opening therethrough mounted at the opposite end of said casing, bar stock gripping jaw members mounted in said casing within said annular tapered surface and spaced around the path of bar stock feed therethrough, each of said jaw members being formed at the outer side thereof with a longitudinally disposed surface inclined rearwardly and inwardly to the axis of bar stock feed in a direction opposite the direction of such feed and being adapted to slidably engage said annular tapered surface, said jaw members being mounted for bodily movements in either direction longitudinally of the path of bar stock feed and also being mounted for bodily movements toward and from each other in radial directions relative to the path of bar stock feed, said jaw members when at the maximum positions of inward movement thereof longitudinally and rearwardly in said casing being adapted to be wedged inwardly toward each other to their positions of maximum inward movement, and expansion spring means mounted between the forward ends of said jaw members and the adjacent inner surface of said casing end closure for continuously exerting forces on said jaw members acting to move said jaw members rearwardly in a direction opposite the direction of bar stock feed to maintain said jaw members in wedging engagement with said tapered annular surface within the casing throughout the range of longitudinal movements of said jaw members in either direction.

2,496,996

ELECTROLYTIC RECOVERY OF ZINC

Dinsmore Laurence Griffith and Eldon Irwin Isherwood, Flin Flon, Manitoba, Canada, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada, a corporation of Canada

No Drawing. Application October 15, 1945, Serial No. 622,480. In Canada September 4, 1945

1 Claim. (Cl. 204—119)

In the electrolytic recovery of zinc from a zinc sulphate electrolyte when using an anode of which a substantial proportion is lead, the method of obtaining zinc at the cathode containing less than about .007% of lead comprising introducing into the electrolyte from about 5 to about 20 milligrams of silver per litre of electrolyte and carrying out the electrolysis with such silver present in the electrolyte.

2,496,997

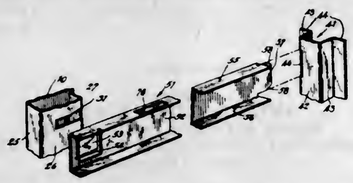
DRAWER SLIDE CONSTRUCTION

Carl G. Hallberg, Chicago, Ill., assignor to Acme Metal Products Corporation, Chicago, Ill., a corporation of Illinois

Application November 20, 1944, Serial No. 564,273

5 Claims. (Cl. 312—150)

5. A cabinet for receiving a drawer having a depthwise-extending slide at each side thereof, comprising in combination a body including side walls and a rear wall defining a drawer-receiving space and including a front vertical member at the front end of each side wall, each said member being of hollow, rectangular cross section and having one of the sides thereof parallel to its respective side wall, and a pair of rear vertical members adjacent each edge of said rear wall, a pair of guides in said body and manually detachable therefrom, each slide being received in a guide, the said one side of each said front member having a plurality of vertically-spaced apart, horizontally disposed slots, each said guide having a channel cross section, the web thereof being disposed vertically and the flanges thereof being directed inwardly of the cabinet, a portion of said web being struck out to form an ear parallel to said web and directed downwardly and adapted



to be engaged in one of said slots, the struck-out vertical dimension of said ear being substantially greater than the corresponding dimension of one of said slots, and the flanges of each said guide at the rear end thereof being cut away to form a freely projected web portion, said rear members having a plurality of vertically disposed slots, and said web portion being snugly engageable in one of said last mentioned slots.

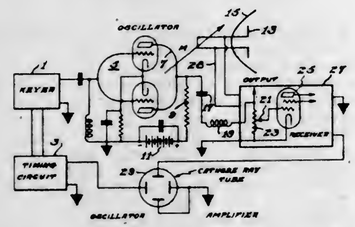
2,496,998

RADIO ECHO SYSTEMS WITH MEANS FOR PROTECTING RECEIVERS

William D. Hershberger, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 8, 1939, Serial No. 303,483

4 Claims. (Cl. 343—13)



1. A pulse echo system including a transmitter oscillator that is to be amplitude modulated by periodic modulating pulses, said oscillator comprising a thermionic tube biased to cut-off between said pulses, means for producing modulating pulses and for amplitude modulating said oscillator by said pulses, said pulses each having a front edge that begins at a time t_0 and having a long enough duration so that the anode current of the oscillator builds up to a value sufficient to cause the oscillator to oscillate to produce a pulse of radio frequency energy beginning at a later time t_2, means for radiating said pulse of radio frequency energy toward a pulse reflecting object, means connected to said tube for deriving a potential that is a function of the direct-current flowing in said tube during the application thereto of said modulating pulses, a receiver for receiving said pulses after their reflection from said object, and means for applying said derived potential to said receiver to block said receiver prior to the time t_2 and also during said pulse of radio frequency energy.

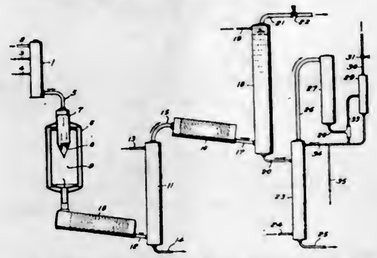
2,496,999

PRESSURIZED REACTION OF AMMONIACAL GASES TO HCN

Alfred Gordon Houpt, Stamford, and Carlos William Smith, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application April 24, 1947, Serial No. 743,593

4 Claims. (Cl. 23—151)



1. In the production of hydrocyanic acid by the catalytic reaction in the vapor phase of gaseous ammonia, oxygen and a hydrocarbon and isolating the HCN content of the combustion products; the improved procedure which comprises admixing the feed gases under pressures of from about 5 to 50 pounds per square inch above atmospheric and at temperatures not exceeding about 300° C.; passing the mixture over a catalyst body; igniting the mixture immediately after passing the catalyst, whereby the mixture burns and the catalyst is heated; adjusting the feed rate to maintain catalyst temperature at about 850°–1200° C.; cooling the reacted gases to about 175°–225° F.; selectively absorbing the unchanged ammonia in the reacted mixture; cooling the residual gases to about 35°–75° F.; absorbing the HCN content in aqueous fluid and venting the residual undissolved gases from the system; stripping the HCN content of the resultant HCN solution; condensing the HCN vapors to liquid HCN; collecting the condensate and reducing the pressure on the condensate to atmospheric.

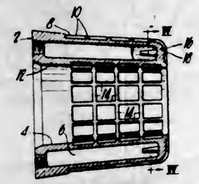
2,497,000

TUYÈRE STRUCTURE

Harry O. Johnson, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application March 17, 1948, Serial No. 15,311

2 Claims. (Cl. 266—41)



1. In a tuyère having a body portion with an air passage extending therethrough, the improvement consisting of a network of spaced-apart intersecting ribs projecting from the exterior surface of said body portion, refractory material extending between said ribs, a network of spaced-apart ribs projecting from the inner wall of said air passage, and refractory material extending between said ribs.

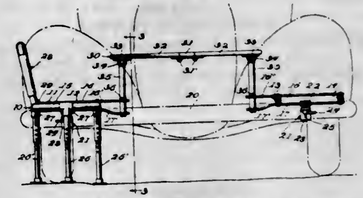
2,497,001

COMBINATION FURNITURE

Victor E. Johnson, Royal Oak, Mich., assignor to Ross Cowsert, Royal Oak, Mich.

Application February 21, 1946, Serial No. 649,174

1 Claim. (Cl. 155—123)



In combination furniture, a seat; a supporting frame for said seat comprising a front bar and a rear bar having free ends projecting beyond one end of said seat, an upper transverse bar secured to the upper sides of said projecting bar ends, and a lower transverse bar secured to the lower sides of said projecting bar ends, said upper and lower transverse bars having free front ends projecting forwardly beyond said front bar, said forwardly projecting bar ends having vertically alined openings to receive a table-supporting leg, at least one of said forwardly projecting bar ends being offset vertically to space it from the other of these bar ends a distance considerably greater than the vertical dimension of said front bar; and supporting means for said seat frame including a clamp secured to at least one of said transverse bars and located between said projecting ends of said front and rear bars, said clamp being constructed to engage an automobile bumper when said projecting ends of said front and rear bars are placed upon the latter.

2,497,002

PULSE ECHO RANGE FINDING SYSTEM AND IMPULSE GENERATOR THEREFOR

Roland John Kemp and David John Fewings, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

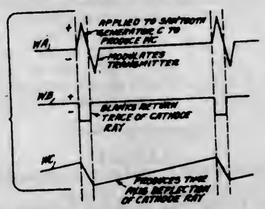
Application November 1, 1943, Serial No. 508,554

In Great Britain May 19, 1941

Section 1, Public Law 690, August 8, 1946

Patent expires May 19, 1961

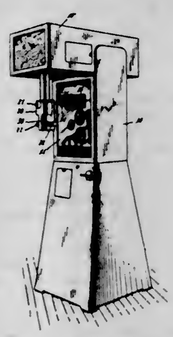
7 Claims. (Cl. 343—13)



1. In a range finder comprising a radio-transmitter and a radio-receiver, the receiver including an indicator having time-base deflecting means, an impulse generator including means for generating an impulse having a first component followed by a second component of opposite sense to said first component, a saw-tooth wave generator connected to supply a deflecting wave to said time-base deflecting means, means for applying said first component to said saw-tooth wave generator whereby to control fly-back

of the indicating member of said indicator, and means for applying said second component to said transmitter for transmitting a pulse in response to the occurrence of said second component.

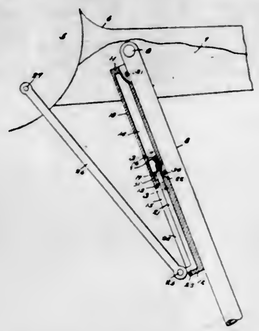
2,497,003
AMUSEMENT DEVICE
Carl Elmer Larson, Indianapolis, Ind., assignor to Eva M. Larson, Chicago, Ill., as trustee
Application November 13, 1944, Serial No. 563,188
6 Claims. (Cl. 273—101.2)



1. In an amusement device, a target carrier mounted for rotation about a fixed axis, means for driving said carrier, a plurality of targets mounted on said carrier, an electric terminal associated with each target and partaking of its course of travel, a manually-movable sighting device movable about an axis spaced from said target axis to scan a part of the course of travel of each target, means for simulating a course of travel of a projectile from the sighting device toward the path of travel of the targets, manually controllable means adjacent the sighting device for initiating operation of the projectile simulating means, a movable electric terminal mounted for oscillation about said carrier axis and coordinable with said target terminals, means connecting the sighting device to move said last-mentioned terminal about the carrier axis upon movement of said sighting device about its own axis in an attempt to contact said last-mentioned terminal with a target terminal at a predetermined portion of the cycle of operation of the projectile-simulating means, a hit indicator, and means for actuating said hit indicator, only if and when the aforesaid two terminals are in contact at a predetermined instant of the cycle of operation of the projectile simulator.

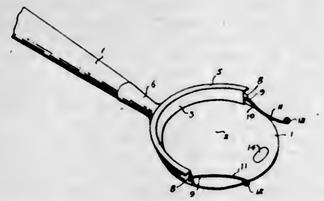
2,497,004
RETRACTABLE SHOCK-ABSORBING LANDING GEAR
James E. McCabe, Jackson Heights, N. Y.
Application November 13, 1947, Serial No. 785,722
7 Claims. (Cl. 244—102)

2. Retractable landing gear, including a rigid wheel-supporting member pivotally connected at one end to a supporting body, a hydraulic actuating means carried by said member, said means including a cylinder rigid with and extended longitudinally of the member, spaced pistons in the cylinder, defining between them a space for trapped air, said pistons being adapted for relative movement toward and away from each other, and a piston rod affixed to one of the pistons, and a rigid strut pivotally connected at one end



to the supporting body, the other end being pivoted to the piston rod.

2,497,005
PIE PLATE LIFTER
Hilliard Joseph McConnell, Vancouver, British Columbia, Canada
Application November 22, 1946, Serial No. 711,617
1 Claim. (Cl. 294—33)

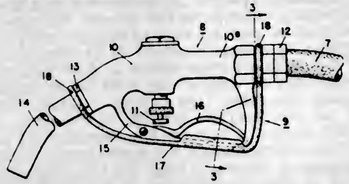


A pie plate lifter comprising a substantially circular pan having a bottom wall, a side wall extending substantially half-way around the periphery of the bottom wall, a pair of apertured lugs at the free ends of the side wall, a radially projecting handle connected intermediate the length of the side wall, a pair of wires extending from the handle through the apertured lugs and from the free ends of the side wall, the inner portion of said wires beyond the lugs being inwardly curved to embrace a pie plate carried by the pan, and the free ends of said wires being outwardly curved to engage a pie plate and guide it into position upon said bottom wall.

2,497,006
PROTECTOR FOR DISPENSING HOSE VALVES
Dawson Altha McCoy and Jimmy Earl McCoy, Jr., Hamlin, Tex.
Application January 28, 1949, Serial No. 73,284
4 Claims. (Cl. 137—69)

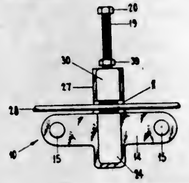
1. An article of the class described comprising an integrally molded substantially flat elongated strip of rubber-like material having ring-shaped extremities, the openings in the ring-shaped extremities being at right angles to the plane of

the strip in the region of the strip in which the openings are located and a centrally disposed



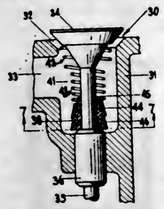
channel in one face of the strip extending over substantially its entire length.

2,497,007
CABLE ADJUSTER
Constantine Melidoni, Fort Lee, N. J.
Application October 4, 1946, Serial No. 701,363
4 Claims. (Cl. 24—71.1)



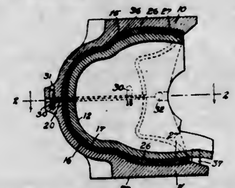
4. In a direct linear entrance cable adjuster, comprising a main body member substantially U-shaped in cross-section, a complementary body member of substantially T-shaped cross-section, cable supports securing said body members in spaced-apart relation from each other, said main body member comprising a right-angular portion having an extension parallel with said main body member, said extension terminating in spaced-apart relation from said complementary body member and forming a linear opening therebetween for direct transverse and linear entrance of a cable into said cable adjuster, said right-angular portion comprising a threaded aperture, a bolt threadably mounted in relation to said right-angular portion, said body members and said main body extension having outwardly extending upright guideways terminating lower than said cable supports, and a U-shaped cable contacting member slidably mounted in said guideways.

2,497,008
VALVE STEM SEAL
Constantine Melidoni, Fort Lee, N. J.
Application October 23, 1946, Serial No. 705,108
2 Claims. (Cl. 286—30)



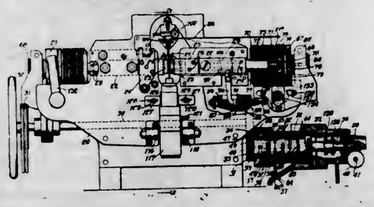
1. In a wear compensating seal for a valve stem, a pre-formed cone shaped split sealing member, a compound coil spring having a conical closed coil housing portion enclosing and contacting the smaller end portion of said sealing member for maintaining the surfaces at the split of said sealing member in abutting relation, said spring having a compressible conical open coil portion adapted to cause a pressure on said sealing member and compression of said member against said valve stem to compensate for wear of said sealing member, the largest diameter coil of said cone shaped closed coil housing portion of said spring stopping short of the larger end face of said conical sealing member to permit continued upward movement of said sealing member into said housing portion of said spring for further compressing said sealing member and compensating for wear of said sealing member.

2,497,009
METHOD OF MOLDING
Rene Minuto, New York, N. Y.
Application August 21, 1948, Serial No. 45,485
3 Claims. (Cl. 18—55)



1. A method of molding an article of material which initially becomes plastic by heat which consists in placing the material to be molded in a pair of shells, each of which is of a character to mold one-half of the article, heating said shells and said materials in a furnace until sufficiently plastic to be molded, placing said shells and a corresponding inner shell in a separable mold, subjecting said mold to pressure and then removing said shell from said mold whereby said mold is ready for another set of shells and allowing the first mentioned set of shells to thoroughly cool.

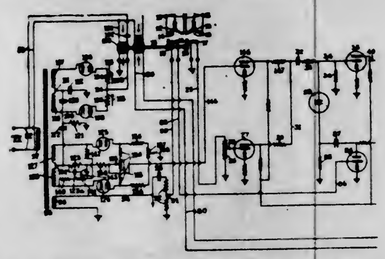
2,497,010
CORELESS SCOOP MACHINE
Louis H. Morin, Bronx, N. Y.
Application January 26, 1945, Serial No. 574,697
20 Claims. (Cl. 18—30)



1. An automatic die casting machine for forming groups of undercut castings on a mounting member comprising a pair of dies having cavities on adjacent surfaces thereof for forming a group of individual castings on a mounting member disposed between said adjacent surfaces of the dies, means for initially moving the dies toward each other through the medium of low pressure air, means for introducing high pressure air to

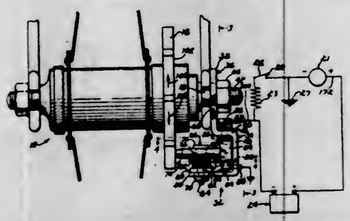
the first named means for moving and holding the dies in fully closed position, means for separating the dies upon the exhaust of said high pressure air, and gripper and feed means for intermittently gripping and feeding the mounting member relatively to the dies and for supporting said member when the dies are in open position.

2,497,011
ELECTRICAL SYSTEM
William Howard Newell, New York, and Henry F. McKenney, Flushing, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application April 23, 1946, Serial No. 664,206. Divided and this application August 14, 1947, Serial No. 768,542
3 Claims. (Cl. 171—97)



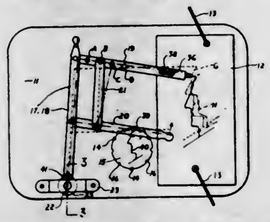
3. A system for converting a varying direct potential into an alternating potential of corresponding variable amplitude, comprising a bridge circuit including outer legs connected in series, rectifiers in opposite legs connected for the series flow of current in one direction around the bridge, means introducing an alternating voltage of constant amplitude into said circuit, a diagonal leg connected across points in the bridge of equal potential with respect to the current flow around the bridge due to said last voltage, means introducing into said diagonal leg a direct voltage of varying amplitude, and means deriving from said diagonal leg an alternating voltage which is proportional to said direct voltage.

2,497,012
BICYCLE STOP LIGHT
Daniel M. Pearl, Chicago, Ill.
Application July 18, 1947, Serial No. 761,863
15 Claims. (Cl. 200—59)



3. In combination with the driving mechanism of a bicycle, a roller adapted to be positioned in driving relation with the bicycle driving mechanism, a movable switch contact, a stud journalling the roller and contact, and a stationary switch contact and an insulated mounting means therefor: a generally L-shaped metal switch bracket, one arm of said bracket having a hole to permit passage therethrough of the threaded end of the rear axle of a bicycle, said hole being dimensioned to permit adjustment of said bracket transversely relative to the axis of the axle, the other arm of said bracket having a hole for the reception of a stud adapted to journal a roller and a movable switch contact, said hole being dimensioned to enable the stud to be adjusted to place the roller into driving relation with a part of the bicycle driving mechanism, said bracket having a hole for the reception of insulated mounting means for a stationary contact, said bracket having a hole for the reception of a part of and dimensioned to permit but limit rotation of the first-mentioned contact.

2,497,013
PANTOGRAPH
John Glendon Raynes, Vancouver, British Columbia, Canada
Application March 25, 1946, Serial No. 656,871
2 Claims. (Cl. 33—25)



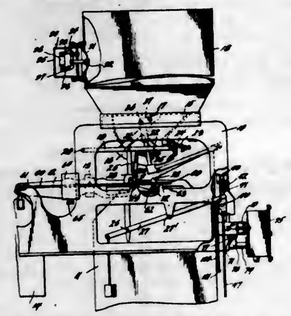
1. A pantograph comprising a main arm provided with a main pivot adjacent one end, a tracing arm and a stylus carrying arm pivotally connected to said main arm, a member bridging the main pivot, a stem universally connected with the member and exerting a downward pressure on the main pivot to normally hold it stationary upon a draughting surface, and means for manually moving the main pivot laterally within an area below the bridging member.

2,497,014
VACUUM-OPERATED MINNOW SACK
Ralph T. Renfro, Sr., Boise, Idaho, assignor to Scruggs and Vaughan Manufacturing Company, Inc., Phoenix, Ariz., a corporation of Arizona
Application August 5, 1947, Serial No. 766,257
1 Claim. (Cl. 43—56)



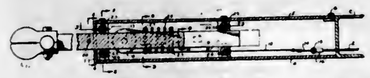
A device of the character described, comprising a minnow sack for water and live minnows, a tubular aerator having a closed end and an open end in said sack, and the wall thereof provided with an annular apertured indentation and vertically equally spaced indentations communicating at their lower ends with said annular indentation whereby air is drawn into said aerator, and means connected to said aerator for drawing air through the water whereby the water will be aerated.

2,497,015
WEIGHING MACHINE
Philip B. Richardson, Montclair, N. J., assignor to Richardson Scale Company, Clifton, N. J., a corporation of New Jersey
Application November 19, 1948, Serial No. 61,019
1 Claim. (Cl. 249—50)



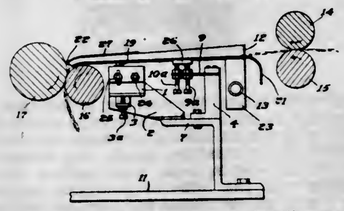
In a weighing machine, the combination of a weigh hopper having a discharge door, means including a toggle connected to the door for locking the door in closed position and releasable to permit opening of the door, and movable into locked position when the door is closed, means controlled by the movement of the toggle into locked position for feeding material to the weigh hopper, means for supplying material to the feeding means, a pressure responsive switch subject to the pressure of material in the supply means, a tail connected to the toggle and movable therewith, a lever movable into and out of a position to engage the tail and thereby prevent movement of the toggle into locked position, and a solenoid connected to said switch and to said lever and operative when energized to withdraw said lever from the path of said tail and thereby permit movement of the toggle to locked position when there is a sufficient quantity of material in the supply means for a full weighing.

2,497,016
AUTOMATIC TRAILER BRAKE
Eli T. Roberts, Carpenterville, Oreg.
Application July 28, 1947, Serial No. 764,035
2 Claims. (Cl. 188—112)



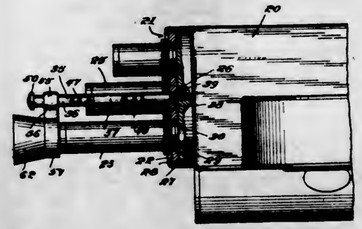
1. In automatic means for operating the brake mechanism of a wheeled vehicle, the combination with a housing having a pair of sheaves journaled therein, a pair of pull cables guided on the sheaves and connected with the braking mechanism, and two sets of spaced bearing rollers journaled in the housing, of a draw-bar mounted within said sets of rollers, anchoring lugs rigid with the draw-bar to which said cables are attached, spaced brackets mounted within the housing, and a buffing spring coiled about the draw bar and interposed between said lugs and brackets.

2,497,017
APPARATUS FOR AUTOMATICALLY STOPPING TEXTILE MACHINES
William E. Shann, Andover, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
Application June 10, 1948, Serial No. 32,163
2 Claims. (Cl. 19—168)



1. An apparatus to stop a textile machine which comprises a trough adapted to receive the textile material and pivoted at its receiving end, means to support said trough in normal operating position said means consisting of two screws each adjustably mounted on a flat spring secured to the frame of the apparatus, one of the springs being more resilient than the other, whereby the trough may be balanced in normal position when the material is passing through it, a switch the contact of which is closed when the delivery end of the trough is depressed below said normal position and a switch the contact of which is closed when the delivery end of the trough is raised above said normal position.

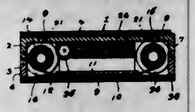
2,497,018
FILTER AND SUNSHADE SUPPORT FOR CAMERAS
Leo J. Sherry, West Los Angeles, Calif.
Application July 3, 1947, Serial No. 758,787
6 Claims. (Cl. 88—1)



1. In combination, a camera, a turret plate, means for connecting the turret plate to the camera for rotational adjustment comprising a sleeve projection on said turret plate and a pivot pin extending through the sleeve projection and into the camera so that there is a pivot on which the turret plate may be rotated, a filter and sun shade holder including a slide rod having an enlarged sleeve formation thereon adapted to be extended over the sleeve projection of the turret plate, a threaded pin extending from the slide rod and through the sleeve projection thereof and into the end of the pivot pin on which the turret plate is rotated whereby to secure the slide rod to the

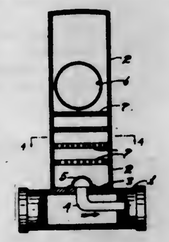
pivot pin and to the camera body, a filter and sun shade assembly slidably mounted on said slide rod, and means on said slide rod engaging said sleeve projection to retain said turret plate against axial movement with respect to said pivot pin.

2,497,019
AUTOGRAPH SCROLL
Glen Shockey, Chicago, Ill.
Application May 7, 1945, Serial No. 592,503
1 Claim. (Cl. 40—86)



A unitary device for winding autograph and photograph strips and displaying the same, comprising a sectional casing, between the section of which strip winding spools are supported, hubs on the spools, bent wire holding devices engaging over the hubs to hold the spools in place, knobs on the spools for turning the same, each of said knobs being provided with an edge notch, the casing having a window to expose the strip, a table under the window, a pencil in the casing, a photograph drawer slidably mounted in the casing, and the knobs overlapping the pencil and drawer and adapted to be moved to register the notches therewith to withdraw the pencil and drawer.

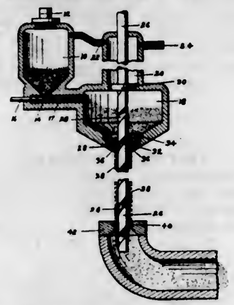
2,497,020
CUSHIONING DEVICE FOR FLUID CONDUITS
Edwin Singer, Harris, N. Y., assignor of one-half to George B. Westenheffer, Harrisburg, Pa.
Application January 24, 1947, Serial No. 724,100
3 Claims. (Cl. 138—26)



1. In a cushioning device for fluid conduits, an inset pipe adapted as part of a flow line for a fluid, a vacuum chamber carried by the inset pipe, a suction tube leading from the vacuum chamber and extended within the inset pipe in the direction of liquid flow therethrough, and a plurality of cushioning devices within the vacuum chamber.

2,497,021
METHOD AND APPARATUS FOR GRINDING OR HONING
Lorance E. Sterns, St. Louis, Mo.
Application August 19, 1946, Serial No. 691,441
14 Claims. (Cl. 51—8)

6. Grinding or honing apparatus that comprises a mixing chamber, means to introduce abrasive into said chamber, a fluid-medium inlet for said mixing chamber, an outlet from said mixing chamber, a work holder adjacent said outlet, and a helically grooved mandrel that



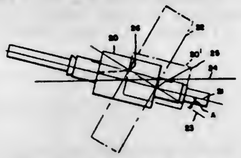
extends into said mixing chamber and extends into work held by said work holder.

2,497,022
WINDOW SCREEN
Walter G. Wayworth, Hartford, Conn.
Application October 13, 1945, Serial No. 622,226
4 Claims. (Cl. 160—182)



3. For a frame adapted to be secured to a window, means for securing said frame to the window frame from the inside of said window and including a fastening member attached to the inside of said frame, a perpendicular projection at one end of said fastening member extending towards the window, and a loop at the opposite end of said member providing a grasping portion and extending outwardly relatively to said window to a vertical plane laterally of said projection to permit holding of said frame in position, with one finger inserted through said loop, while a fastening member is vertically applied through said projecting portion for securing the frame to the window frame from a position inside of said window.

2,497,023
METHOD FOR FINISHING ELECTRIC ROTORS
Donald D. Austin, Sr., Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application October 14, 1946, Serial No. 703,161
2 Claims. (Cl. 90—11)

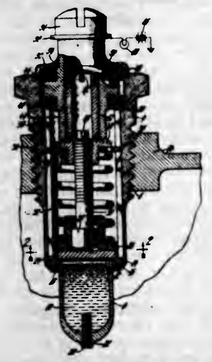


1. The method of machining the peripheral surface of a laminated core electric rotor which comprises engaging the surface of the rotor at one end thereof with a rotary cutter having inclined teeth, rotating the cutter at cutting speeds, relatively traversing the rotor and cutter in a direction oblique to the axes of both rotor and cutter to cause the cutter to cut progressively to the other end of the rotor, and simultaneously rotating the rotor at a speed so related to the speed of rotation of the cutter as to produce a helical scallop on the rotor having an axial pitch of between .1 and .5 inch.

2,497,024
ELECTROCHEMICAL PREPARATION OF α-AMINO-n-BUTYRIC ACID AND N-BENZOYL DERIVATIVE
John H. Billman, Bloomington, Ind.
No Drawing. Application October 5, 1945, Serial No. 620,644
4 Claims. (Cl. 204—79)

3. The process of producing α-amino-n-butyric acid, which consists in reacting β-amino-n-butanol with benzoyl chloride, electrochemically oxidizing the resulting N-benzoyl-β-amino-n-butanol by passing a moderate electric current through an acidic aqueous solution containing it, and removing the benzoyl radical from the resulting N-benzoyl-α-amino-n-butyric acid by hydrolysis.

2,497,025
TEMPERATURE RESPONSIVE SWITCH
Bertil H. Clason, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 8, 1948, Serial No. 37,557
7 Claims. (Cl. 200—140)



1. In a temperature responsive switch, a casing, a contact disk in said casing adjacent one end thereof, an internally threaded sleeve in said casing adjacent the other end thereof, a hollow screw threaded within said sleeve, a spring interposed between said hollow screw and said contact disk, a contact screw threaded in said hollow screw with one end thereof adjacent said contact disk, and means to move said contact disk against the tension of said spring into engagement with said contact screw in response to temperature changes.

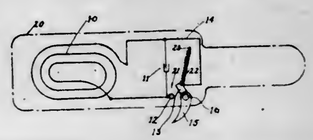
2,497,026
DOOR LATCHING DEVICE
Charles Adin Fox, Oakland Village, Mo.
Application January 13, 1949, Serial No. 70,713
8 Claims. (Cl. 292—227)

1. A latching device comprising a tubular member adapted to be extended through an opening formed through a door, said tubular member being of such length as to cause an inner portion thereof to be extended inwardly of a door with which said tubular member is associated and to cause an outer portion thereof to be extended outwardly of such a door, a knob mounted on said outer portion of said tubular member, a hollow latching element which embraces said



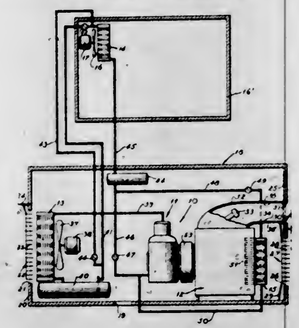
inner portion of said tubular member, means for pivotally connecting said latching element to said inner portion of said tubular member, an operating element connected to said latching element and extended through said tubular member, and a push button supported by said knob and connected to said operating element.

2,497,027
METHOD FOR TESTING RADIO RECEIVERS TO DETERMINE THE NUMBER OF TURNS OF THE LOOP ANTENNA
Marcus Glaser, New York, N. Y.
Application August 26, 1944, Serial No. 551,254
1 Claim. (Cl. 250—20)



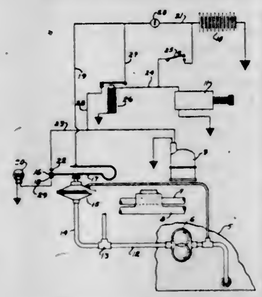
The method of testing whether a loop antenna included in a radio receiver of predetermined tuning range, has the proper, excessive or insufficient number of turns to effect maximum signal intensity producible by the receiver; said method utilizing an external tuned circuit comprising a condenser, an electrical conductor formed into a loop having its ends out of contact and a switch, all electrically connected in parallel relation; the capacity of said condenser and the inductance of said external loop being of such relation that the external circuit will resonate at, or a little above the highest frequency of the tuning range of the radio receiver, comprising of placing the external loop adjacent and parallel to the loop antenna while the radio receiver is in operation, opening said switch whereby said external loop in parallel with said condenser is inductively coupled to said receiver antenna, and closing said switch whereby said external tuned circuit is short circuited and electromagnetically removed from said receiver, as a result of which the output signal of said receiver decreases in response to both opening and closing said switch when the number of turns in said receiver loop antenna is proper, the output signal increases in response to closing of said switch when the number of turns in said receiver loop antenna is excessive and the output signal increases in response to opening of said switch when the number of turns in said receiver loop antenna is insufficient.

2,497,028
AIR CONDITIONING APPARATUS
Henry O. Kirkpatrick, Detroit, Mich., assignor to Advance Manufacturing, Inc., Detroit, Mich., a corporation of Michigan
Application June 3, 1946, Serial No. 673,990
11 Claims. (Cl. 62—6)



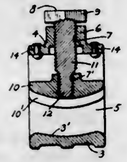
1. Air conditioning apparatus comprising a refrigerant compressor, means for operating the compressor, a condenser for the compressed refrigerant, an evaporator having a fluid connection with the condenser for receiving the condensed refrigerant and having a fluid connection with the low pressure side of the compressor, an expansion valve in the fluid connection between the condenser and evaporator, a bypass extending around the expansion valve and connected to the input side of the evaporator, a control valve for selectively opening and closing the bypass, and means for rendering the condenser inoperative when said control valve is in its open position.

2,497,029
OIL PRESSURE CONTROL AND WARNING DEVICE
Alfred C. Korte and Alex N. Szwargulski, St. Louis, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application December 30, 1946, Serial No. 719,184
4 Claims. (Cl. 177—311)



1. In combination with an internal combustion engine having a conduit for supplying a fluid necessary to engine operation, a battery, an electrical fuel pump, a starting switch, a relay, and a warning device, a double throw pressure switch with its movable point actuable responsive to normal fluid pressure in said conduit and connected to said battery, the movable point and one of the stationary contacts of said pressure switch being normally closed, first pump energizing circuit means including said relay and said fuel pump, a circuit including said starting switch for energizing said relay, second pump energizing circuit means including the normally open contact of said pressure switch and said fuel pump, and a circuit including the normally closed contact of said pressure switch and said warning device.

2,497,030
CLAMPING DEVICE
Warren J. Lewis, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 22, 1944, Serial No. 532,338
6 Claims. (Cl. 24—135)

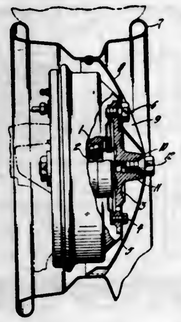


2. A clamping device comprising in combination, a body member having a bearing surface, a clamping member positioned in a loop-shaped opening in the body member and having a bearing surface oppositely disposed to the first bearing surface, the clamping member having means to engage the side walls of the loop-shaped opening to prevent its rotation relative to the body member, the body member and the clamping member each provided with aligned threaded openings, a stud mounted in the threaded openings and having differentially threaded portions cooperating with the threaded openings in the body and clamping members, all threads being in the same direction, the pitch of the threads on the clamping member being less than that of the threads on the body member whereby the rate of movement of the clamping member will be less than that of the stud when the stud is rotated in either direction, projecting means on the body member adjacent the threaded opening on the body engageable by the clamping member to check the movement of the clamping member away from its clamping position whereby the disengagement of the stud from the clamping member is checked and rotation of the stud in one direction automatically prevented.

2,497,031
VEHICLE WHEEL
Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 15, 1947, Serial No. 722,113
1 Claim. (Cl. 301—63)

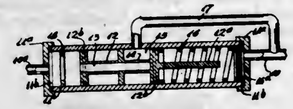
A vehicle wheel having a tire rim and a central disk in the form of a spherical segment peripherally joined to the medial portion of the tire rim and bulged outwardly therefrom, said disk being formed with a central aperture having a frusto-conical marginal wall extending inwardly of the spherical segment, a wheel supporting hub structure including an intermediate peripheral flange portion having detachable fastening connection with the disk at least half way from the axis to the periphery of the disk and two axial portions

extending oppositely from the intermediate portion, a brake drum secured to the hub intermediate portion and entirely housed within and disposed close to the tire rim, one hub axial portion constituting an axle spindle rotatable in a bearing disposed in the brake drum and the second hub axial portion having in its outer end a frusto-



conical depression in which the frusto-conical wall of the disk central aperture is seated to center the disk on the hub structure, and a central bolt extending through the disk central aperture into the hub structure and having a tapered head clamping the frusto-conical wall of the disk central aperture to the frusto-conical depression of the second hub axial portion.

2,497,032
AUTOMATIC SAFETY FLOW CONTROL
Edgar W. Millard, Elyria, Ohio
Application July 31, 1944, Serial No. 547,492
6 Claims. (Cl. 137—153)



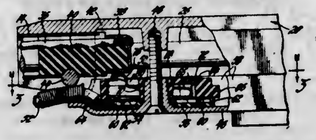
1. In combination with a fluid pipeline, a cylinder connected at its opposite ends in series with said pipeline and having its front end upstream, a cutoff piston slidably mounted in said cylinder and having a passageway from its front end to a peripheral chamber formed in said piston, resilient means urging said piston towards the front of said cylinder, an auxiliary pipeline from the side of said cylinder to said pipeline at a point immediately rear of said cylinder for draining fluid from said peripheral chamber when said piston is in a position in which said peripheral chamber is aligned with the end of said auxiliary pipeline which is connected to the side of said cylinder, a second cylinder connected in series with said pipeline and located downstream of said first named cylinder, a piston in said second cylinder, resilient means for urging said latter piston rearwards, and a spring loaded relief valve in and biased in an upstream direction of said second cylinder and having its seat on said latter mentioned piston, whereby when a break occurs in said pipeline at a point between said cylinders said first named piston will be moved rearwards from said position and will cut off the flow of fluid through said auxiliary pipe line.

2,497,033
LUGGAGE CARRIER
Mae E. Morscher, Chicago, Ill.
Application January 29, 1948, Serial No. 5,111
7 Claims. (Cl. 224—53)



1. A luggage carrier comprising an elongated cover member adapted to be rolled into a substantially cylindrical form, a handle comprising a hand-grip member and a reinforcing member connected to one end of said cover member, a plurality of fastening members positioned on said cover member in spaced relation to each other, and a plurality of other fastening members connected to said reinforcing member, each of said other fastening members being positioned on said reinforcing member in alignment with a respective one of said first mentioned fastening members and operable to be releasably engaged therewith when said cover member is rolled a predetermined amount to thereby releasably hold said cover member in said rolled position.

2,497,034
SPOTLIGHT SWITCH
Gordon E. Roedding, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 12, 1947, Serial No. 754,121
6 Claims. (Cl. 200—157)



1. In a dirigible spotlight having a lamp casing and means for adjusting the position of said lamp casing including an operating handle, a housing for supporting said handle, said housing including an upper portion and a base detachably secured thereto, and a switch in said base including a switch operating knob rotatably mounted in said base, said knob having portions thereof extending outwardly on both sides of said housing between the upper portion and base to provide for manual operation of said switch from either side of said housing.

2,497,035
PROCESS OF PREPARING C-VITAMINIZED BAKING PRODUCTS
Wilhelm Adolf Seeder, Zaandam, Netherlands
No Drawing. Application August 25, 1945, Serial No. 612,727. In the Netherlands May 31, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 31, 1963
3 Claims. (Cl. 99—11)

1. A process of producing baked food products enriched in vitamin C for human nutrition,

wherein a dough predominantly of cereal flour is prepared and baked to obtain the products, which comprises incorporating water into the dough in a limited amount such that the baked products contain not more than 12% of moisture by weight, incorporating ascorbic acid in concentrated form uniformly into the dough in an amount exceeding 10 mg. per 100 grams of dough, and baking the prepared dough to obtain dry baked products containing in a stable state at least 10 mg. of ascorbic acid per 100 grams of product.

2,497,036

COATING MAGNESIUM AND MAGNESIUM BASE ALLOYS

Norman H. Simpson and Paul R. Cutter, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware

No Drawing. Application July 12, 1944, Serial No. 544,640
6 Claims. (Cl. 204—56)

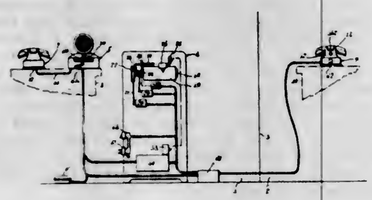
5. That improvement in forming a protective anodic coating on magnesium and magnesium base alloys, which comprises, electrolytically treating them in an aqueous electrolytic bath containing sodium silicate and an alkaline base, the quantity of sodium silicate used being 2 to 3% by volume and that of the alkaline base being 21 to 25% by weight, said bath also containing an additive of substantially .05 to 10.00% by weight of a hydroxy organic compound taken from the group which consists of glycerol, dextrose, cresol, phenol and phenolsulfonic acid, which forms polar groups and retards the formation of gases to effect substantially uniform oxidation on the surfaces of the metal being coated to produce a uniform coating, said additive becoming a part of the coating formed.

2,497,037

COMBINED DICTATING AND INTEROFFICE-COMMUNICATING SYSTEM

Richard M. Somers, West Orange, and Saul J. Weitzer, Livingston Township, Essex County, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application June 11, 1946, Serial No. 675,850
25 Claims. (Cl. 179—6)



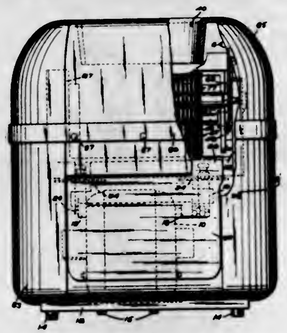
1. In a combined dictating and interoffice-communicating system: the combination of a first station including a dictating machine having a motor, a record support, a clutch for coupling the motor to said support and a start-stop control for engaging and disengaging said clutch; a second station having a signal light; means for energizing said light while said motor is running; and means controlled by said start-stop means for causing said light to be deenergized when said clutch is engaged.

2,497,038

MEAT TENDERIZING MACHINE

William F. Spang, Milton, Mass., assignor to Cube Steak Machine Co., Boston, Mass., a partnership

Application February 25, 1946, Serial No. 649,836
13 Claims. (Cl. 17—26)



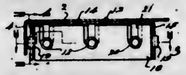
1. A meat tenderizing machine comprising a motor, a U-shaped block disposed above the motor, two rotary and parallel shafts carried by the block, means including a belt for driving one of the shafts from the motor and including gearing connecting the shafts for rotation in opposite directions, two cylindrical meat treating units supported in the block co-axial with and driven by said shafts, means providing a guiding chute above and disposed to feed meat to said treating units, and means for bodily adjusting the block in a straight line toward and from the chute relative to the motor.

2,497,039

ELECTRIC HEATING UNIT

Leland S. Weimer, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application January 19, 1946, Serial No. 642,311
4 Claims. (Cl. 219—37)



1. A heating unit embodying a plate and a coiled resistance wire, arms extending from the plate containing an aperture joined by a slot of less width than the width of the aperture, and insulating elements having trunnion portions at the ends, the truncated portions being so formed as to pass through the slots when in one position and when rotated 90° from said position to be secured in the apertures, said insulating elements containing apertures and communicating slots, the wall of the latter overhanging at least a portion of the apertures in which the coil resistance wires are secured after passing through said slots.

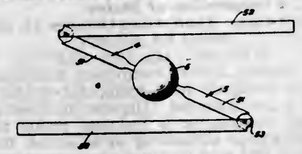
2,497,040

HELICOPTER CONSTRUCTION

Samuel B. Williams, Birmingham, Mich.

Original application April 11, 1945, Serial No. 587,739. Divided and this application April 19, 1947, Serial No. 742,491
3 Claims. (Cl. 170—160.12)

3. A helicopter main rotor blade comprising a pair of abutting sections adapted, when extended, to form a continuous unitary rotor blade, means pivotally connecting the adjacent and abutting ends of said sections together for pivotal movement of said sections with respect to each other



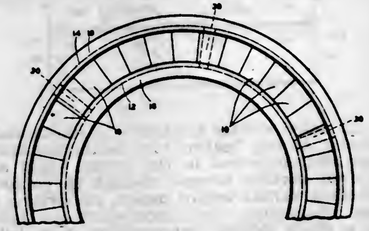
about a vertical axis, and latching means responsive to centrifugal action for holding and releasing said sections in either folded or extended positions.

2,497,041

NOZZLE RING FOR GAS TURBINES

Walter Kenneth Bodger, South Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application March 27, 1945, Serial No. 585,161
1 Claim. (Cl. 253—78)



A nozzle ring for turbines, including ceramic vanes at least some of which are hollow, inner and outer supporting rings between which the vanes extend, circumferentially spaced radially extending elements in said hollow vanes and fixed at their ends to the rings, ring segments on both ends of vanes adapted to extend over and cover the rings, said ring segments being wide enough circumferentially to correspond to the vane spacing, adjacent ring segments engaging one another edgewise to hold the vanes in predetermined circumferential spaced relation within the supporting rings, said ring segments, at least at one end of each vane, having radially extending flanges at opposite edges of the ring segments extending over and engaging with the side surfaces of the adjacent supporting ring for positioning the vanes axially with respect to the supporting rings.

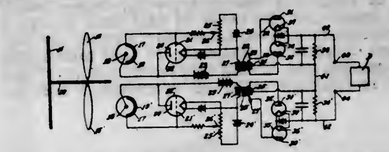
2,497,042

ELECTROOPTICAL FUNCTION SYNTHESIZER

Henri-Georges Doll, Houston, Tex., assignor to Electro-Mechanical Research Incorporated, Ridgefield, Conn., a corporation of Connecticut

Application October 19, 1943, Serial No. 506,827
3 Claims. (Cl. 235—61)

1. An electrical solver for solving for values of a function of at least two variables comprising, means providing a beam of radiant energy, means for displacing said beam in different directions in proportion to the magnitudes of said respective variables, an optical screen in the path of said beam for modifying the intensity of said beam in accordance with the instantaneous value of the function corresponding to the instantaneous values of the variables, said screen having one portion representing positive values of said function and another portion representing negative values of said function, photosensitive means disposed to receive said



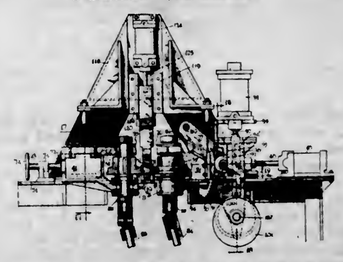
modified beam, and electrical means connected to said photosensitive means for providing in a circuit an electrical value of one polarity proportional to positive values of said function, and an electrical value of different polarity proportional to negative values of said function.

2,497,043

APPARATUS, INCLUDING ROLLS WITH MANDREL GRIPPING AND WORK CONTACTING PORTIONS FOR MAKING CURVED PROFILES

Christian A. Gerts, Philadelphia, and William H. Clay, Rydal, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 9, 1944, Serial No. 525,708
6 Claims. (Cl. 153—3)



1. A machine for turning a marginal portion of a curved blank of sheet metal toward a curved side surface of a mandrel supporting the blank to form a flange, said machine comprising means for supporting and guiding the mandrel for movement along a stationary structure, a pair of shafts spaced apart and supporting rolls having surface portions designed to grip the mandrel and drive it through said rolls during the turning operation, and means to drive said shafts, at least one of said rolls having a surface portion spaced from said gripping portion and conforming to the angularity of the desired flange and designed to contact an edge of the blank extending beyond the mandrel and turn it to form the desired flange, and means for exerting a resilient pressure on one of said rolls toward the other to insure the desired driving contact and accomplish said turning action.

2,497,044

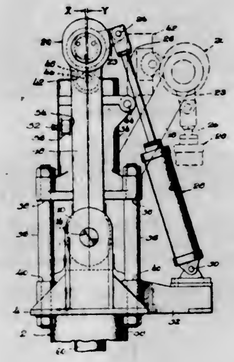
HYDRAULIC PRESS

Reha J. Hess and Frank G. Cizek, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application September 13, 1943, Serial No. 502,124
5 Claims. (Cl. 18—16)

5. A press of the class described comprising a frame, a material cylinder supported thereby, a

cover hinged to said cylinder for closing one end thereof, means for compressing associated material within said cylinder against said cover when the latter is in its closed position, a toggle mechanism comprising pivotally interconnected links, one of said links having a pivotal connection to said cover and the other of said links having a pivotal connection to said frame, a power cylinder device operatively connected to said mechanism for opening and closing said cover, said cover and said mechanism being so constructed and arranged that in the locked position of said mechanism whereat said cover is in the closed position thereof, said mechanism is beyond the dead center thereof in the direction away from said device, and an abutment surface on said frame independent of said pivotal connections and engageable with said mechanism in the locked position thereof whereby compressive forces on said cover during compression of said material thereagainst are transmitted through said mechanism to said surface thereby substantially eliminating transmission of such forces to said device.



2,497,045

POLYVINYL RESIN DISPERSIONS

Robert B. Killingsworth, Douglaston, and Robert S. Sheie, West Brighton, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application April 16, 1947, Serial No. 741,948
6 Claims. (Cl. 260—33.6)

1. An improved resin dispersion, capable of being fused upon heating into a stable, continuous phase, comprising a solid thermoplastic vinyl resin of particle size not greater than 100 microns, dispersed in a petroleum hydrocarbon oil, the proportions falling in the range from 30 oil to 70 resin to 65 oil to 35 resin, both inclusive, both by weight, the oil having the following properties:

Gravity	2° to 16° API
Distillation:	
I. B. P.	500° F to 600° F.
E. P.	700° F. to 900° F.
Mixed aniline point	60° F. to 80° F.
Unsulphonated residue	0% to 20%
Flash point	300° F. to 350° F.

2,497,046

FLUORINATION OF POLYMERIC MATERIALS

Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 12, 1945, Serial No. 622,088
6 Claims. (Cl. 260—92.1)

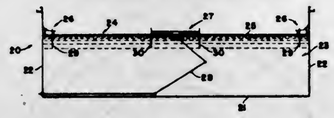
2. A process which comprises fluorinating a synthetic aliphatic high-molecular-weight polymer of a halogenated ethylene monomer, said monomer containing a halogen atom selected from the group consisting of chlorine, bromine and iodine and said polymer containing from 0% to 2% of hydrogen, and continuing the fluorination until a marked changed in the properties of the said polymer has been effected.

2,497,047

CENTER-WEIGHTED FLOATING ROOF

Frank D. Prager, Chicago, Ill., and Reign C. Ulm, East Chicago, Ind., assignors to Graver Tank & Mfg. Co., Inc., a corporation of Delaware

Application December 24, 1948, Serial No. 67,187
5 Claims. (Cl. 220—26)



1. In liquid storage apparatus, a substantially centrally drained floating roof having the entire under side immersed in the stored liquid and the deck portion thereof shaped by contour-controlling ballast weight means, comprising an outer, upstanding, rigid, compression-resisting rim; a single flexible, intermediate deck, being unreinforced and unobstructed substantially throughout the top and under side thereof, and having its outer part secured to the bottom part of the outer rim, said rim being reinforced at least in said bottom part to which the outer part of the deck is secured; and ballast weight means limited to and substantially distributed over a generally central, minor but substantial part of the area of the floating roof, and constituting a sufficient part of the total weight of the floating roof for the purpose of immersing the entire under side of the roof in the stored liquid and cooperating with the stored liquid in giving substantially the entire surface of the deck a curved contour in vertical plane, with a slope upward and outward from said generally central part; said single flexible deck comprising the major part of the area of the floating roof and substantially the entire area of the floating roof between said generally central part and the rigid rim.

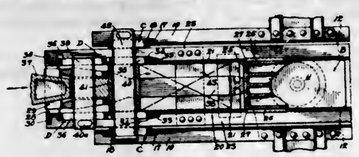
2,497,048

DRAFT APPLIANCE FOR RAILWAY CARS

Sigvard Simonson, Butler, Pa., assignor to O. C. Duryea Corporation, a corporation of Delaware

Application August 22, 1945, Serial No. 611,957
3 Claims. (Cl. 213—8)

1. In a car, fixed sills spaced apart to provide a passageway extending substantially the full length of the car and having aligned key slots adjacent to their ends, relatively movable floating sills supported by the fixed sills in the passageway between the fixed sills spaced apart to accommodate draft appliances and draft gears and having key slots normally aligned with those before mentioned and other key slots outwardly of those last mentioned, a back stop secured between the floating sills inwardly from the key slots, a yoke between the floating sills against each back stop, a draft gear in said yoke and unsecured to the floating sills, a key extending through the four aligned key slots and the yoke, a draw bar for each yoke, and a key passing through each draw bar, its yoke, and the outer key slots in the floating sills.

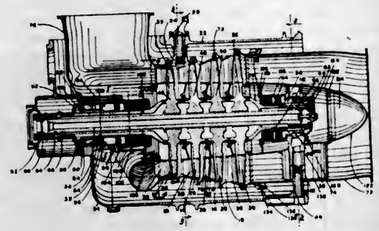


2,497,049

TURBINE CONSTRUCTION

Carl R. Soderberg, Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application August 23, 1944, Serial No. 550,901
6 Claims. (Cl. 253—69)



1. A multistage axial flow turbine having a rotor including a number of separate discs each having a row of blades at its periphery, end shafts at opposite ends of said set of discs, and means for releasably holding said discs and end shafts in assembled relation, said means being accessible at one end of said rotor, a casing surrounding said rotor and including a number of continuous casing rings each having a row of nozzles and a diaphragm extending inwardly from the nozzles, means for securing said casing rings directly together in end-to-end relation to form an enclosing casing for the rotor, each ring being of a width to engage with the adjoining rings and to maintain the desired spacing between successive nozzle rings, a circumferentially unsplit housing surrounding said casing, means releasably interconnecting said housing and casing and supporting the casing within the housing, and unsplit bearing and seal elements engaging said end shafts, said housing having means associated therewith in engagement with and supporting said bearing and seal elements.

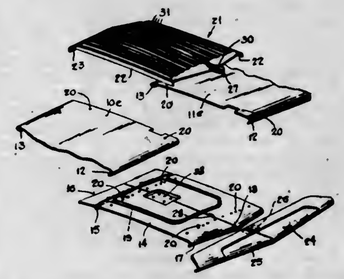
2,497,050

AUTOMOBILE SUN VISOR

Joseph Thibault, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application March 22, 1949, Serial No. 82,877
8 Claims. (Cl. 296—95)

1. In an automobile sun visor, left and right visor body sections disposed end-to-end; a connector plate under the adjacent ends of the body sections; means for securing the plate and visor sections together in different relative positions whereby the sections are held closer to or further away from each other to adapt the visor to different car widths; a cover plate overlying adjacent end portions of the visor sections at the rear of the visor; cooperable means at the rear edges of the visor sections and cover plate, adapted to hold the said edges against lateral separation without restricting adjustment of the visor sections toward or away from each other; a second cover plate, overlying adjacent end portions of the visor sections at the front of the visor; cooperable means at the front edges of the visor sections and second cover plate adapted to hold the said edges against lateral separation without restricting said adjustment of the visor sections; and means for securing to the connector plate central portions of the cover plates which are located remote from the said held edges.

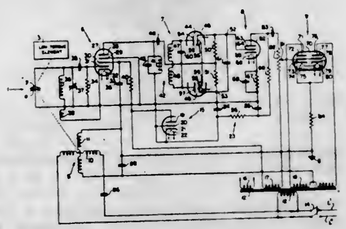


2,497,051

CHATTER-FREE TORQUE AMPLIFIER

Rudolf F. Wild and Robert B. Darnielle, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 12, 1944, Serial No. 549,206
11 Claims. (Cl. 318—31)



1. In a torque amplifying apparatus including tuning means adapted to be adjusted in accordance with the position of a controlling object and the position of a controlled object, an oscillator having a frequency determining circuit associated with said tuning means and having an output circuit in which there is adapted to appear a signal having a frequency dependent upon the adjustment of said tuning means, frequency discriminating means having an input circuit coupled to the output circuit of said oscillator

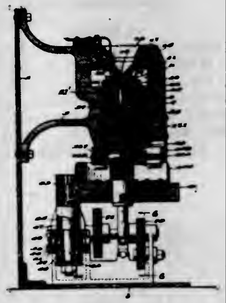
and having an output circuit, and motor drive means coupled to the output circuit of said discriminating means and responsive to the frequency of said signal, said motor drive means being operative to position the controlled object in accordance with the position of the controlling object to bring the controlled and controlling objects into a position of correspondence, and tending to chatter when the controlled object closely approaches said position of correspondence, due to mechanical inertia and to the high sensitivity of the apparatus when at or closely approaching said position of correspondence, the improvement comprising a non-linear, two-part variable reactance device included in said tuning means and including first and second non-linearly cooperating elements electrically connected to said frequency determining circuit and exhibiting an increasing rate of change of reactance upon relative movement at a substantially uniform rate from a position corresponding to said position of correspondence, said tuning means also including mechanical linkages through which the controlling and controlled objects are adapted, respectively, to position relatively said first and second elements, whereby the rate of change of frequency of the oscillator output signal and the high sensitivity of the apparatus are decreased as said position of correspondence is closely approached, and said tendency to chatter is minimized.

2,497,052

METHOD AND APPARATUS FOR DETERMINING THE ELONGATION PROPERTIES OF COATING FILMS

David M. Williams, Warrensville Heights, Ohio, assignor to The Arco Company, Cleveland, Ohio

Application March 15, 1945, Serial No. 582,957
3 Claims. (Cl. 73—150)



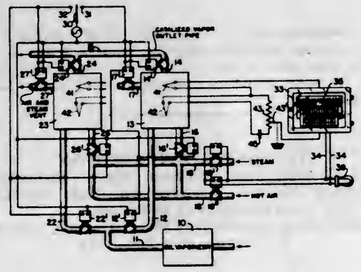
2. Apparatus for determining the distensibility of a film of coating on a metal sheet at a different position in the electromotive series than the film, including means for clamping a localized area of said sheet between insulated ring clamps, means for distorting said area into one of said clamps and measuring the extent of distortion, and means indicative of failure of film distensibility, the improvement in the last mentioned means comprising: an electrolyte in said one insulated clamp contacting said film, an electrode at a different position in the electromotive series than the film and sheet contacting said electrolyte, a voltmeter type instrument directly connected to the electrode and sheet and capable of distinguishing the overall potential between electrode and film from that between electrode and plate when the film is ruptured.

2,497,053

MEASURING AND CONTROLLING APPARATUS FOR CATALYST REGENERATORS

Walter P. Wills, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original application April 23, 1942, Serial No. 440,163. Divided and this application July 3, 1943, Serial No. 493,350
5 Claims. (Cl. 23—288)



1. A system for controlling the regeneration of catalytic material having carbon deposited thereon comprising a chamber for the catalytic material having a first valved inlet conduit for the introduction of a regeneration gas, a second valved inlet conduit for the introduction of an inert gas, a thermocouple arranged within said chamber to respond to changes in temperature of said catalytic material, a condenser having one terminal connected to one terminal of said thermocouple, a resistor connecting the second terminal of the condenser to the second terminal of the thermocouple, a second thermocouple arranged within said chamber to respond to changes in temperature of said catalytic material and having one terminal connected to said second terminal of the first mentioned thermocouple, means responsive to the voltage difference between the second terminal of the second thermocouple and the second terminal of said condenser, said last named means being constructed and arranged to operate the valves of the first and second conduits.

2,497,054

PREPARATION OF CATION ACTIVE RESINS

Harold M. Day, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 4, 1946, Serial No. 694,817
5 Claims. (Cl. 260—49)

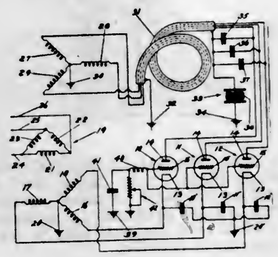
1. A granular, water-insoluble synthetic resinous material having a capacity for exchanging cations in liquid media and obtained by a process which comprises bringing about reaction between 4,4'-dihydroxydiphenyl sulfone, formaldehyde and an alkaline sulfiting agent by heating, until formation of a viscous syrup occurs, curing the syrup by heating at about 125°–150° C., and granulating the cured material to a particle size of from 6 to 60 mesh, relative molar proportions of formaldehyde to 4,4'-dihydroxydiphenyl sulfone being from 4:1 to 10:1 and of 4,4'-dihydroxydiphenyl sulfone to sulfiting agent being 1:1.

2,497,055

FREQUENCY CONVERTER

Marcel A. Lissman, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application May 1, 1946, Serial No. 666,465
5 Claims. (Cl. 250—36)



3. An aperiodic frequency converter comprising: a plurality of oscillatory circuits having a single frequency-determining network in common, said frequency-determining network being resonant to the frequency desired of the output of said converter; each of said oscillatory circuits including an electron-discharge device having a cathode, an anode, and a control electrode; an impedance device connecting the control electrodes of all of said electron-discharge devices to a common point; means adapted to be connected to a multi-phase power supply of a frequency different than that desired of the output of said converter, for successively applying positive potentials between each of the anodes of said electron-discharge devices and said common point; and means, also adapted to be connected to said power supply, for successively applying negative potentials between each of the cathodes of said electron-discharge devices and said common point; said impedance device being of such value that, due to control electrode rectification, the bias developed thereacross permits said electron-discharge devices to become successively conducting to successively energize their respective oscillatory circuits and continuously excite said frequency-determining network.

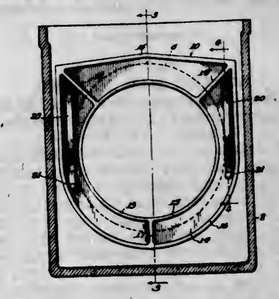
2,497,056

DUST GUARD FOR RAILWAY JOURNAL BOXES

Peter F. Nardulli, Chicago, Ill., assignor to Western Engineering Trust, Chicago, Ill., trustees

Application September 27, 1944, Serial No. 556,059
1 Claim. (Cl. 286—6)

A dust guard for a railway axle journal box having an axle-receiving opening and a dust guard-receiving section surrounding said opening, said dust guard comprising a thin metal plate also having an axle-receiving opening and having a flange surrounding its axle-receiving opening to provide increased bearing area between the dust guard and an axle when an axle is extended through said openings, said dust guard also having a flange around the outer periphery thereof, the edge of the outer flange being adapted to bear against the journal box for taking the wear on the dust guard as the same moves back and forth in the journal box, the flanges extending both forwardly and rearwardly of the plate so that opposite edges of the flanges protect the opposite surfaces of the thin plate against contacting with and wearing on the journal box, stiffening ribs between the inner and outer flanges of the dust guard for relieving the stresses in the thin plate as the plate moves up and down



in the axle-receiving section of the journal box, and leaf spring means secured to one face of the guard and located between the flanges and having a part thereof projecting from the metal plate an amount in excess of the width of the flanges.

2,497,057

TOILET BOWL CLEANER

John W. Pape, Indian Hill, Ohio, and George S. Santmyers, Los Angeles, Calif.; said Santmyers assignor to said Pape

No Drawing. Application April 12, 1947, Serial No. 740,994
2 Claims. (Cl. 252—142)

2. A tabletted composition for cleaning toilet bowls consisting essentially of sodium acid sulphate, a substantial but less than molecular equivalent amount of sodium bicarbonate, effective when dissolved in water to liberate an amount of carbon dioxide sufficient to agitate the water in a toilet bowl, and a normally solid water soluble organic stabilizer which is non-reactive in respect to the sodium acid sulphate and sodium bicarbonate, said stabilizer being present as a surface coating on the particles of reactants, and being sufficient in amount to prevent reactivity in the tablet between the sodium bicarbonate and sodium acid sulphate until the tablet is introduced into water.

2,497,058

PAPER TUBE ASSEMBLY FOR CONCRETE CONSTRUCTION

Edward S. Reid, Charlotte, N. C., assignor to Sonoco Products Company, a corporation of South Carolina

Application February 15, 1945, Serial No. 578,064
6 Claims. (Cl. 72—109)

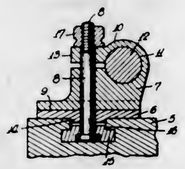


1. A forming means for concrete structures comprising a cylindrical paper tube adapted to support freshly poured concrete, end closures on said paper tube, transverse spacing members fitted externally and at intervals longitudinally of said paper tube to prevent lateral displacement of said tube, terminal spacing members disposed across the ends of said paper tube to contain said paper tube against endwise movement, and rod members disposed in spaced parallel and longi-

tudinal relation to said paper tube in aligning engagement with said spacing members and said terminal members, said aligned rod members and spacing members forming a housing adapted to position said paper tube during a forming operation.

2,497,059
BORING BAR HOLDER
Albert M. Thomas, New York, N. Y.
Application January 17, 1948, Serial No. 2,851
5 Claims. (Cl. 82—37)

1. In a device of the character indicated, a bar holder and a base plate relatively rotatable about a swivel axis and having abutting surfaces of substantial area said base plate including means on its underside to guidingly engage a compound rest or the like, said bar holder and said base plate being relatively rotatable when said surfaces are in abutment with each other, said bar holder having a bar-receiving opening off said swivel axis and including a jaw overstanding said swivel axis for clamping a bar in said bar-receiving opening, and means spanning said jaw and said base plate and including means to engage a compound rest or the like for simultaneously clamping a bar in said bar-receiving opening and said bar holder against said base plate,

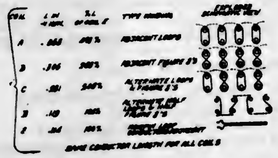


whereby upon relatively slight relaxation of said last-defined means, said holder and said base plate may be angularly adjusted relative to each other and the bar may also be adjusted in said holder and all said elements may be secured to a compound rest or the like.

ABSTRACTS OF APPLICATIONS

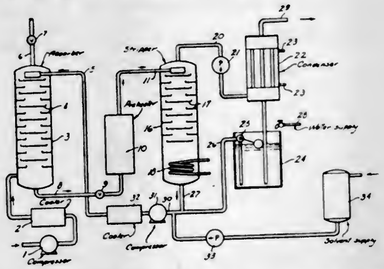
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

606,807. **RADIO FREQUENCY COIL.** John C. Achenbach, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed July 24, 1945. Published Feb. 7, 1950. Class 175—359. Two sheets of drawings.



There is shown in Fig. 1D a coil made up of alternate half loops and "half figure-of-eight" turns providing a binocular winding having relatively low Q value and having a substantially negligible external field. Aiding and bucking mutual inductances are substantially cancelled in this type of winding. The small amount of net mutual inductance provides a convenient method of adjusting the final calibration of the coil since the variation in inductance is only two per cent for a one hundred per cent variation in turn spacing.

633,843. **PROCESS FOR SEPARATING GASES.** Rudolph Leonard Hasche, Johnson City, Tenn., assignor to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia. Filed Dec. 8, 1945. Published Feb. 7, 1950. Class 183—115. One sheet of drawings.



A process by which desired hydrocarbon gases having a boiling point which is substantially lower than that of water, for example, ethane, propane, or butane, or mixtures thereof, can be separated from a mixed gas containing such hydrocarbons by a water-miscible solvent. The solvent should have (1) preferential affinity for the gas to be separated; (2) high solubility for the gas to be separated and low solubility for other constituents of the mixture; (3) a boiling point above that of water; (4) high stability at temperatures at or near its boiling point; partial or complete miscibility with water, and not forming an azeotrope with water; and no tendency to react chemically with any constituents of the mixture.

An embodiment of the process, for example, is in the separation of propylene from a mixture of gases, employing as the solvent dimethoxy tetraethylene glycol.

The mixed gas under pressure in an absorber is contacted with an absorbent containing water and the solvent having the preferential affinity for the desired gas and which is miscible with water, but has a higher boiling point than water. The resulting solvent, water and gas mixture is subjected to distillation in the stripper at subatmospheric pressure. Water vaporizes and carries with it the desired gas without loss of the high boiling solvent. The vapor is then separated from the gas by condensation. The condensed water is returned to the process. Acetylene can be the product gas.

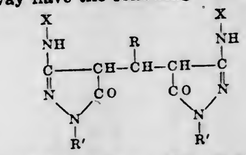
645,974. **SULFURIC ACID PRODUCTION.** Glen C. Ware, Corvallis, Oreg., and Sol Frederick Ravitz, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Interior. Filed Feb. 6, 1946. Published Feb. 7, 1950. Class 23—167. No drawing.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

The process concerned is for the production of an aqueous solution of sulfuric acid. Sulfur dioxide and oxygen are passed into an aqueous suspension of alunite maintained at an elevated temperature below boiling. The residual alunite is separated from the mother liquor and the mother liquor containing sulfuric acid is recovered.

668,778. **BIS AMINO PYRAZOLONE COUPLERS FOR COLOR PHOTOGRAPHY.** Paul W. Vittum, Arnold Weissberger and Henry D. Porter, Rochester, N. Y. Filed May 10, 1946. Published Feb. 7, 1950. Class 95—6. No drawing.

Coupler compounds for the formation of magenta dye images in photographic emulsion layers by reaction with the oxidized developer can be prepared from 1-aryl-3-amino-5-pyrazolones, 1-aryl-3-acyl - 5 - pyrazolones, 1 - heterocyclo-3-amino-5-pyrazolones, and 1-heterocyclo-3-acyl-amino-5-pyrazolones by condensation of these couplers with aldehydes. The couplers produced in this way have the following structure:



in which R represents a hydrogen atom or a hydrocarbon, for example a methyl, ethyl or phenyl radical; R′ represents an aryl radical, for example, phenyl or substituted phenyl such as p-amylphenyl, phenoxyphenyl or p-butyl phenoxyphenyl or a heterocyclic radical such as benzothioazolyl, pyridyl, quinolyl, benzoxazolyl and X represents a hydrogen atom, an aryl radical such as phenyl, methyl, phenoxyphenyl or amylphenyl, or an acyl radical such as acetyl, substituted acetyl, benzoyl,

or substituted benzoyl. When these couplers are incorporated in silver halide emulsion layers, the excess coupler which remains in the layer after processing, does not confer heat instability upon the dye images in the layer.

672,913. **ESTER RESINS.** Charles E. Staff, Upper Montclair, N. J., assignor to Bakelite Corp., a corporation of New Jersey. Filed May 28, 1946. Published Feb. 7, 1950. Class 260—22. No drawing.

The application discloses the preparation of resinous polyesters made from maleic acid or other low molecular weight aliphatic dicarboxylic acid having no more than five carbon atoms in a straight chain such as succinic, citraconic, tartaric, fumaric, itaconic, etc. in combination with polyhydric alcohols and an aliphatic monocarboxylic acid, usually obtained on hydrolysis of fatty drying oils. The polyhydric alcohols include glycol, glycerol, pentaerythritol, sorbitol, etc. Particularly useful are acids having from 12 to 22 carbon atoms separable from fatty oils such as lauric, myristic, palmitic, stearic, linoleic, linolenic, oleic, ricinoleic, clupadonic, etc. and obtainable from linseed, castor and dehydrated castor, soya, perilla and similar vegetable and fish oils and also synthetic acids that come within the same molecular weight range; in place of the acids the oils themselves (triglycerides of the acids) or partial alcohol esters, such as the mono- and di-glycerides, or any admixture of them can be used.

The preparation of the esters free from the oil insolubility limitation induced by the short chain dicarboxylic acids is accomplished by adding to the reaction mass compounds that are inert in the reaction but which are common solvents for the three reactants. Such inert compounds are the liquid, completely etherified diethers of mono- and polyethylene glycols described in Patent No. 2,397,514, such as the mono-, di-, tri- and tetraethylene glycols, preferably the lower alkyl (methyl, ethyl, propyl and butyl) diethers and particularly the methyl diethers that are removable by evaporation or distillation upon completion of the resin-forming reaction. They conform to the formula

$$R_1—O—(CH_2CH_2O)_n—R_2$$

wherein n represents integers from 1 to 4 and R_1 and R_2 represent the lower aliphatic radicals, methyl, ethyl, propyl and butyl. Cyclic diethers or polyethylene oxides corresponding to anhydrides of the polyethylene glycols are also useful, such as dioxane.

An amount of the inert solvent is included so as to insure a homogeneous mixture at the reaction temperature. After a short period for directing the esterification, however, the solvent can then be removed by distillation and a final product obtained that is substantially free from solvent.

An example, parts by weight, is

90 grams (0.9 mol) succinic anhydride
92 grams (1.0 mol) glycerol
190 grams (0.7 mol) linseed fatty acid
188 grams dimethyl ether of tetraethylene glycol.

Upon heating to 150° C. the mixture became homogeneous. Heating was continued with a gradual rise in temperature to 220° C. at which the esterification rate was high, and the reaction soon reached substantial completion, as shown by the acid number of 14 for the solution; the solution remained completely homogeneous. As the diether has a high boiling point of 275° C., it was difficult to distill off even under vacuum, and some remained in the resin to act as a plasticizer.

Esters of mixed dicarboxylic acids such as phthalic in conjunction with maleic or other short chain acid, can be prepared by following the directions of the example. The esters can be modified by admixtures of rosin or other resins. The esters are primarily useful in coating compositions and the like that have solvents in them.

DESIGNS

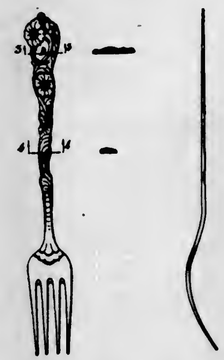
FEBRUARY 7, 1950

157,116
TRAILER LOCK
Arthur R. Adams, Glendale, and Burton L. Shannon, Pasadena, Calif., assignors to Adams Rite Manufacturing Company, Glendale, Calif., a corporation of California
Application August 16, 1948, Serial No. 148,128
Term of patent 14 years
(Cl. D50—7)



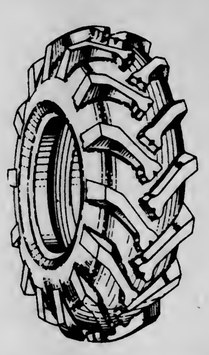
The ornamental design for a trailer lock, as shown.

157,117
FORK OR OTHER ARTICLE OF FLATWARE
Carl Gunnar Åkerlind, Stockholm, Sweden, assignor to Aktiebolaget Nilsson & Johansson, Stockholm, Sweden
Application July 24, 1946, Serial No. 131,878
In Sweden May 14, 1946
Term of patent 3½ years
(Cl. D54—12)



The ornamental design for a fork or other article of flatware, as shown and described.

157,118
PNEUMATIC TIRE CASING
George W. Anderson, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 29, 1947, Serial No. 142,184
Term of patent 14 years
(Cl. D90—20)



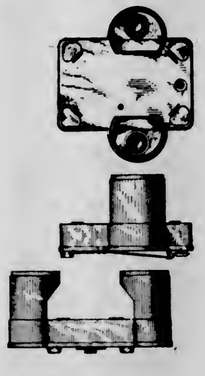
The ornamental design for a pneumatic tire casing, as shown.

157,119
PEDESTAL TYPE ELECTRIC OUTLET BOX
Charles du B. Arcularius, New Canaan, Conn., assignor to Laboratory Furniture Co., Inc., Long Island City, N. Y., a corporation of New York
Application September 22, 1949, Serial No. 5,129
Term of patent 14 years
(Cl. D26—1)



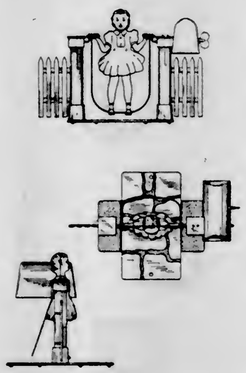
The ornamental design for a pedestal type electric outlet box, as shown and described.

157,120
COMBINED TELEPHONE SUPPORT AND STERILIZER
John Louis Backie, Vancouver, British Columbia, Canada, assignor to Gail L. Danley, Jeannette D. Danley, Martha C. Gordon, and Dawn Gordon Kelton, all of Denver, Colo.
Application July 25, 1949, Serial No. 4,108
Term of patent 14 years
(Cl. D26—14)



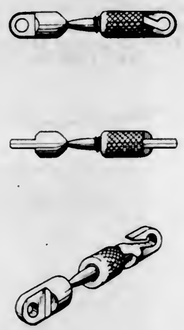
The ornamental design for a combined telephone support and sterilizer, as shown.

157,121
ROPE-JUMPING FIGURE TOY
Nicholas T. Baldanza, Rutherford, N. J., assignor to Columbia Protektosite Company Inc., Carlstadt, N. J., a corporation of New Jersey
Application May 22, 1948, Serial No. 146,517
Term of patent 7 years
(Cl. D34—15)



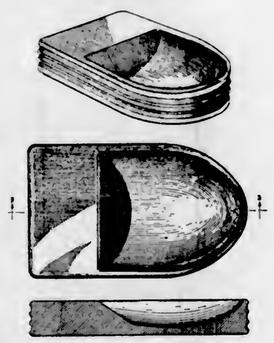
The ornamental design for a rope-jumping figure toy, as shown.

157,122
SWIVEL
William T. Blake, Handley, and Joseph R. Moore, Fort Worth, Tex., assignors to Anthony Lyon, Fort Worth, Tex.
Application June 16, 1947, Serial No. 139,714
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a swivel, substantially as shown.

157,123
COMBINATION VEGETABLE CHOPPING BLOCK AND BOWL
Paul F. Boeye, Minneapolis, Minn.
Application October 18, 1948, Serial No. 149,157
Term of patent 3½ years
(Cl. D44—1)



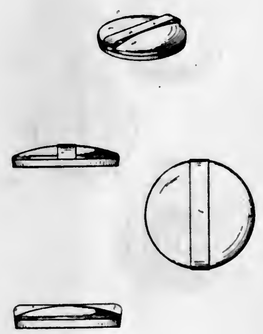
The ornamental design for a combination vegetable chopping block and bowl, as shown.

157,124
FOOT SHIELD BODY
Jeremiah J. Boughey, Chicago, Ill., assignor of one-third to J. Roy Abell, Evanston, Ill., and one-third to George E. Semple, Park Ridge, Ill.
Application August 21, 1948, Serial No. 148,231
Term of patent 14 years
(Cl. D7—7)



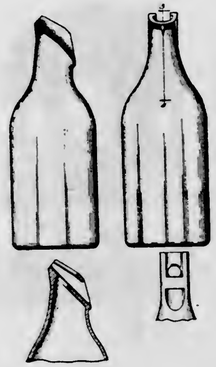
The ornamental design for a foot shield body, substantially as shown and described.

157,125
COSMETIC CONTAINER OR SIMILAR ARTICLE
Frederick M. Breen, White Plains, N. Y., assignor to Coty, Inc., Wilmington, Del., a corporation of Delaware
Application March 26, 1948, Serial No. 145,368
Term of patent 14 years
(Cl. D86—10)



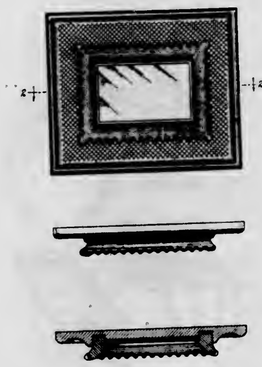
The ornamental design for a cosmetic container or similar article, as shown.

157,126
POURING VESSEL
Walter L. Bumber, Westmont, Ill.
Application September 9, 1946, Serial No. 133,198
Term of patent 14 years
(Cl. D58—8)



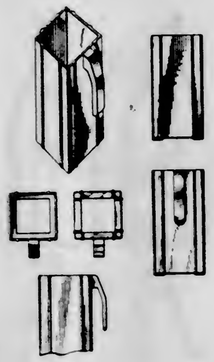
The ornamental design for a pouring vessel, as shown.

157,127
PICTURE FRAME
Petra Cabot and Lidia Vitale, New York, N. Y.
Application August 10, 1948, Serial No. 148,016
Term of patent 3½ years
(Cl. D29—20)



The ornamental design for a picture frame, as shown.

157,128
MILK CARTON HOLDER
Clarence W. Collinet, Chicago, Ill.
Application March 3, 1948, Serial No. 144,890
Term of patent 3½ years
(Cl. D58—12.6)



The ornamental design for a milk carton holder, as shown.

157,129
COMBINATION CIGARETTE BOX AND ASH TRAY
Le Roy Craven, Chicago, Ill., assignor of one-half to Harry J. Neuman, Chicago, Ill.
Application April 25, 1949, Serial No. 2,244
Term of patent 3½ years
(Cl. D85—2)



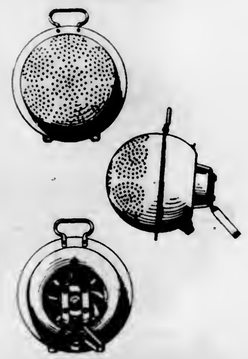
The ornamental design for a combination cigarette box and ash tray, as shown.

157,130
FLOOR MAT
Roger Harry David, St. Paul, Minn.
Application December 27, 1948, Serial No. 150,392
Term of patent 14 years
(Cl. D9—6)



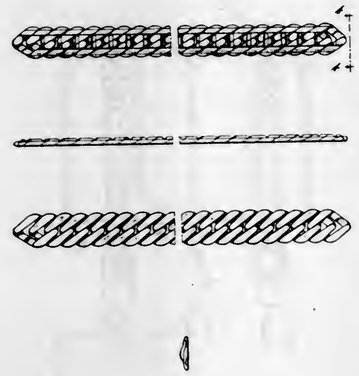
The ornamental design for a floor mat, as shown.

157,131
SPACE HEATER
William S. Davis, Philadelphia, Pa.
Application May 25, 1948, Serial No. 146,568
Term of patent 7 years
(Cl. D81—10)



The ornamental design for a space heater, as shown.

157,132
CHAIN FOR A NECKLACE OR SIMILAR ARTICLE
Frederick A. Dieterich, Maplewood, N. J., assignor to Universal Chain Co. Inc., Maplewood, N. J., a corporation of Rhode Island
Application September 21, 1949, Serial No. 5,123
Term of patent 14 years
(Cl. D45—16)



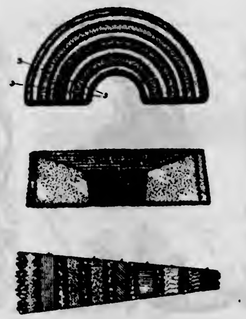
The ornamental design for a chain for a necklace or similar article, as shown.

157,133
WALL PLAQUE OR SIMILAR ARTICLE
William Dillard, Jr., New York, N. Y.
Application June 19, 1948, Serial No. 147,078
Term of patent 3½ years
(Cl. D29—23)



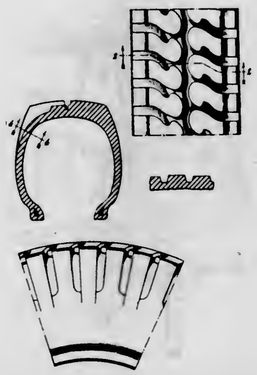
The ornamental design for a wall plaque or similar article, as shown.

157,134
CAKE
Gertrude R. Eib, Denver, Colo.
Application November 29, 1948, Serial No. 149,870
Term of patent 14 years
(Cl. D8—1)



The ornamental design for a cake, as shown and described.

157,135
PNEUMATIC TIRE
Preston J. Forrest, Pleasant Ridge, and Henry C. Wiechman, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 13, 1948, Serial No. 148,106
Term of patent 14 years
(Cl. D90—20)



The ornamental design for a pneumatic tire, as shown.

157,136
TOWEL
Rosalie Forster, Long Island City, N. Y.
Application September 29, 1949, Serial No. 5,228
Term of patent 7 years
(Cl. D92—26)



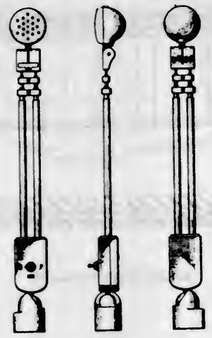
The ornamental design for a towel, as shown and described.

157,137
SNOW SCOOTER
Harry G. Foster, Charlevoix, Mich.
Application September 13, 1947, Serial No. 141,387
Term of patent 7 years
(Cl. D34—15)



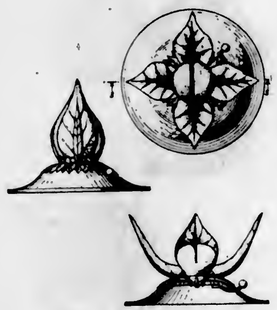
The ornamental design for a snow scooter, as shown.

157,138
SOFT SPEAKER FOR DICTATING MACHINES
Florian J. Fox, Stratford, Harry A. Williams, Trumbull Township, Fairfield County, and Ralph A. Sherman, Jr., Fairfield, Conn.
Application July 22, 1949, Serial No. 4,078
Term of patent 14 years
(Cl. D26—14)



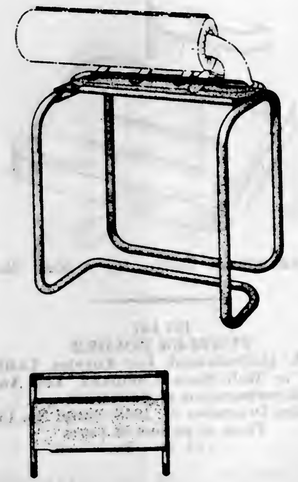
The ornamental design for a soft speaker for dictating machines, substantially as shown and described.

157,139
JEWEL CASE
Philip Fox, Bala, Pa.
Application March 30, 1948, Serial No. 145,449
Term of patent 7 years
(Cl. D86—9)



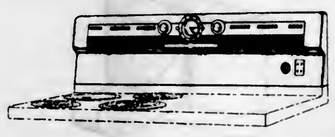
The ornamental design for a jewel case, as shown.

157,140
COMBINED IRONER AND STAND
John J. Getgey, Cincinnati, Ohio, assignor to Empire Ironer, Inc., Cincinnati, Ohio, a corporation of Ohio
Application December 19, 1947, Serial No. 143,233
Term of patent 7 years
(Cl. D49—6)



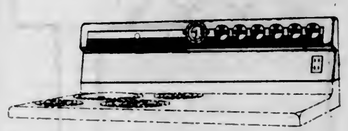
The ornamental design for a combined ironer and stand, substantially as shown and described.

157,141
COMBINED TOP AND BACKSPLASHER UNIT FOR ELECTRIC RANGES
Herbert V. Gosweiler, Jr., Easton, Conn., assignor to General Electric Company, a corporation of New York
Application May 8, 1948, Serial No. 146,245
Term of patent 14 years
(Cl. D81—25)



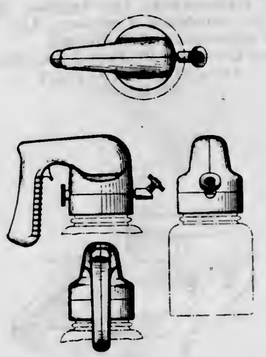
The ornamental design for a combined top and backsplasher unit for electric ranges, substantially as shown and described.

157,142
COMBINED TOP AND BACKSPLASHER UNIT FOR ELECTRIC RANGES
Herbert V. Gosweiler, Jr., Easton, Conn., assignor to General Electric Company, a corporation of New York
Application May 8, 1948, Serial No. 146,246
Term of patent 14 years
(Cl. D81—25)



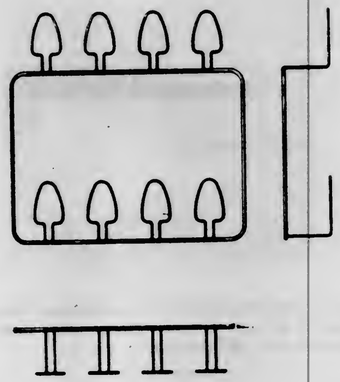
The ornamental design for a combined top and backsplasher unit for electric ranges, substantially as shown and described.

157,143
SPRAY DEVICE
Stanton F. Graham, Chicago, Ill.
Application September 21, 1949, Serial No. 5,114
Term of patent 3½ years
(Cl. D62—2)



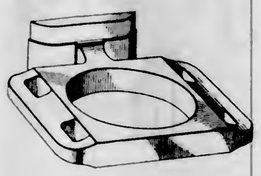
The ornamental design for a spray device, substantially as shown and described.

157,144
SHOE RACK
Robert E. Grindinger and Nena F. Grindinger, Kansas City, Mo.
Application August 25, 1948, Serial No. 148,283
Term of patent 14 years
(Cl. D32—8)



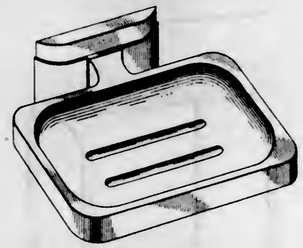
The ornamental design for a shoe rack, as shown.

157,145
COMBINATION TUMBLER AND TOOTHBRUSH HOLDER
Gustav A. Hallenscheid, Los Angeles, Calif., assignor to Hall-Mack Company, Los Angeles, Calif., a corporation of California
Application December 27, 1948, Serial No. 150,381
Term of patent 14 years
(Cl. D4—3)



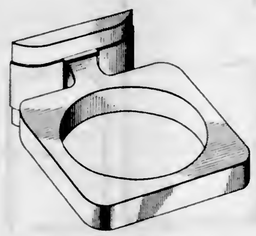
The ornamental design for a combination tumbler and toothbrush holder, as shown.

157,146
SOAP DISH
Gustav A. Hallenscheid, Los Angeles, Calif., assignor to Hall-Mack Company, Los Angeles, Calif., a corporation of California
Application December 27, 1948, Serial No. 150,382
Term of patent 14 years
(Cl. D4—3)



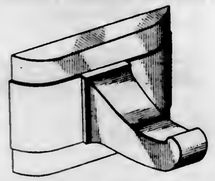
The ornamental design for a soap dish, as shown.

157,147
TUMBLER HOLDER
Gustav A. Hallenscheid, Los Angeles, Calif., assignor to Hall-Mack Company, Los Angeles, Calif., a corporation of California
Application December 27, 1948, Serial No. 150,383
Term of patent 14 years
(Cl. D4—3)



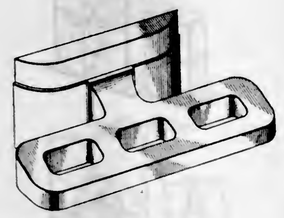
The ornamental design for a tumbler holder, as shown.

157,148
ROBE HOOK
Gustav A. Hallenscheid, Los Angeles, Calif., assignor to Hall-Mack Company, Los Angeles, Calif., a corporation of California
Application December 27, 1948, Serial No. 150,384
Term of patent 14 years
(Cl. D4—3)



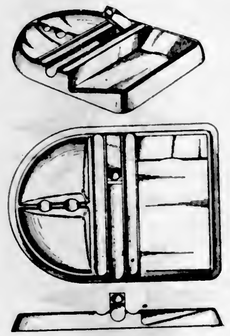
The ornamental design for a robe hook, as shown.

157,149
TOOTHBRUSH HOLDER
Gustav A. Hallenscheid, Los Angeles, Calif., assignor to Hall-Mack Company, Los Angeles, Calif., a corporation of California
Application December 27, 1948, Serial No. 150,387
Term of patent 14 years
(Cl. D4—3)



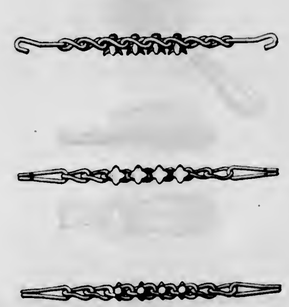
The ornamental design for a toothbrush holder, as shown.

157,150
COMBINATION ASH TRAY, MEMORANDUM HOLDER, AND PENHOLDER
Anton G. Hanson, Minneapolis, Minn.
Application September 18, 1948, Serial No. 148,652
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a combination ash tray, memorandum holder, and pen holder, as shown.

157,151
TIRE CHAIN
Draper M. Harvey, Hingham, Mass., assignor to Earle B. Harvey and Associates, Boston, Mass., a partnership
Application March 24, 1948, Serial No. 145,321
Term of patent 14 years
(Cl. D90—20)



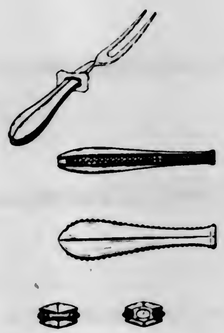
The ornamental design for a tire chain, substantially as shown.

157,152
DISPLAY STAND
James W. Harvey, Lakeville, Conn.
Application December 10, 1948, Serial No. 150,080
Term of patent 14 years
(Cl. D80—9)



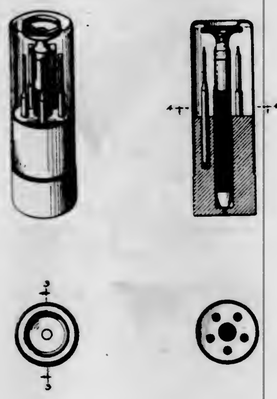
The ornamental design for a display stand, as shown.

157,153
SERVING FORK OR SIMILAR ARTICLE
Irving L. Hirsch, Englewood, N. J., and Joseph C. Hirsch, New York, N. Y.
Application December 28, 1948, Serial No. 150,402
Term of patent 14 years
(Cl. D54—12)



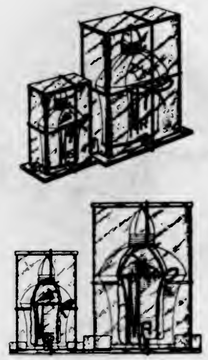
The ornamental design for a serving fork or similar article, substantially as shown and described.

157,154
COMBINED KIT AND SCREW DRIVER SET UNIT
George M. Horton, Fairfield, Conn., assignor to Moody Machine Products Co., Inc., a corporation of Rhode Island
Application January 29, 1948, Serial No. 144,133
Term of patent 14 years
(Cl. D58—11)



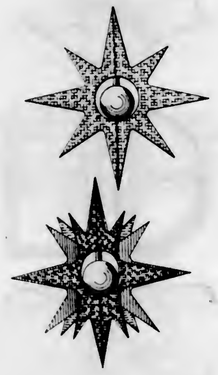
The ornamental design for a combined kit and screw driver set unit, substantially as shown.

157,155
BOTTLED PERFUME PACKAGE
Centa Isermann, nee Cossman, Tucson, Ariz.
Application January 31, 1948, Serial No. 144,204
Term of patent 7 years
(Cl. D58—12.6)



The ornamental design for a bottled perfume package, as shown.

157,156
CHRISTMAS TREE ORNAMENT OR A SIMILAR ARTICLE
Arnold Janowitz, New York, N. Y.
Application June 9, 1949, Serial No. 3,162
In Canada May 16, 1949
Term of patent 3½ years
(Cl. D29—1)



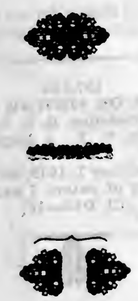
The ornamental design for a Christmas tree ornament or a similar article, as shown.

157,157
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1949, Serial No. 4,551
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown and described.

157,158
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1949, Serial No. 4,552
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown and described.

157,159
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1949, Serial No. 4,553
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown and described.

157,160
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1949, Serial No. 4,556
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,161
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1949, Serial No. 4,557
Term of patent 7 years
(Cl. D45—19)



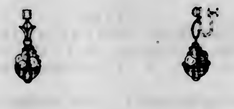
The ornamental design for a brooch or similar article, substantially as shown.

157,162
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1949, Serial No. 4,558
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,163
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I.
Application August 20, 1949, Serial No. 4,628
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,164
SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I.
Application August 20, 1949, Serial No. 4,630
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

157,165
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 1, 1949, Serial No. 4,811
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,166
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 1, 1949, Serial No. 4,814
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,167
EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 1, 1949, Serial No. 4,815
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,168
NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 7, 1949, Serial No. 5,357
Term of patent 7 years
(Cl. D45—16)



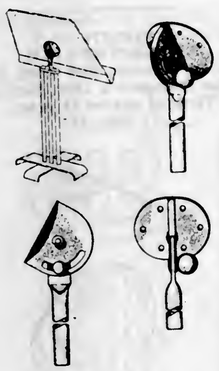
The ornamental design for a necklace or similar article, substantially as shown and described.

157,169
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 7, 1949, Serial No. 5,360
Term of patent 7 years
(Cl. D45—19)



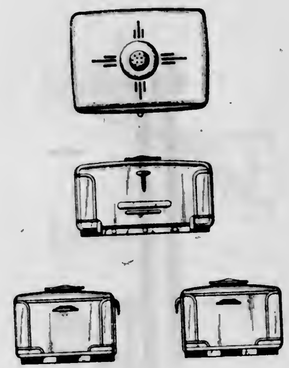
The ornamental design for a brooch or similar article, substantially as shown.

157,170
BRACKET
Russell Katz, Hamilton, Ohio, assignor to Paul Benninghofen and Eleanor C. Diesbach, trustees, Hamilton, Ohio
Application October 11, 1947, Serial No. 141,869
Term of patent 7 years
(Cl. D33—3)



The ornamental design for a bracket, substantially as shown and described.

157,171
PORTABLE DISHWASHING MACHINE
Walter I. Knapp, Detroit, Mich.
Application December 17, 1948, Serial No. 150,210
Term of patent 7 years
(Cl. D49—1)



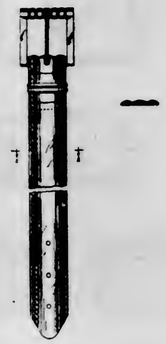
The ornamental design for a portable dishwashing machine, as shown and described.

157,172
POPCORN CONTAINER
Andrew J. Krappman, Los Angeles, Calif., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif., a corporation of Delaware
Application August 6, 1948, Serial No. 147,983
Term of patent 14 years
(Cl. D58—4)



The ornamental design for a popcorn container, as shown and described.

157,173
PLASTIC BELT
Kenneth Krasnow, New York, N. Y.
Application April 21, 1948, Serial No. 145,880
Term of patent 3½ years
(Cl. D3—10)



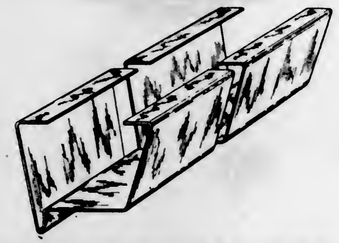
The ornamental design for a plastic belt, as shown.

157,174
BALLERINA DOLL
Ruth Lamberts, San Francisco, Calif.
Application May 20, 1947, Serial No. 139,159
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a ballerina doll, as shown.

157,175
HOLLOW METAL MOLDING
Leon C. Laub, New Rochelle, N. Y.
Application November 26, 1948, Serial No. 149,834
Term of patent 7 years
(Cl. D54—2)



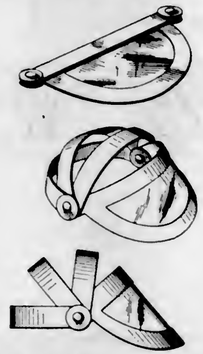
The ornamental design for a hollow metal molding, substantially as shown and described.

157,176
HOLLOW METAL MOLDING
Leon C. Laub, New Rochelle, N. Y.
Application November 26, 1948, Serial No. 149,835
Term of patent 7 years
(Cl. D54—2)



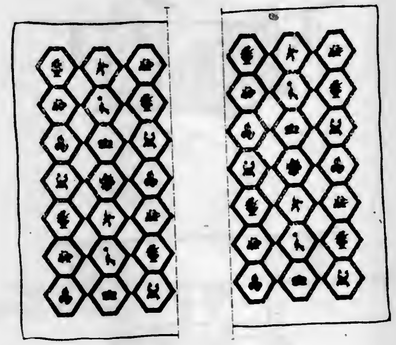
The ornamental design for a hollow metal molding, substantially as shown and described.

157,177
CAP OR THE LIKE
Hettye S. Lazarus, New York, N. Y.
Application February 5, 1949, Serial No. 697
Term of patent 14 years
(Cl. D3—13)



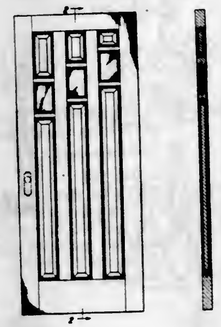
The ornamental design for a cap or the like, substantially as shown.

157,178
SCARF
Elsie M. Lewis, Rockville Centre, N. Y., assignor to Edgar C. Hyman Co., Inc., New York, N. Y., a corporation of New York
Application July 9, 1949, Serial No. 3,821
Term of patent 3½ years
(Cl. D3—12)



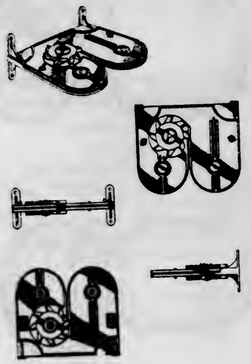
The ornamental design for a scarf, substantially as shown.

157,179
DOOR
Ulyus G. Massey, Ensley, Ala.; Emma Jean Massey, executrix of said Ulyus G. Massey, deceased, assignor to Emma Jean Massey, Ensley, Ala.
Application November 26, 1948, Serial No. 149,818
Term of patent 7 years
(Cl. D13—2)



The ornamental design for a door, as shown and described.

157,180
BAG SEALING UNIT
Cecil Miller, Pomona, Calif., assignor to Consumer-Pak Machine Co., Pomona, Calif., a corporation of California
Application August 31, 1948, Serial No. 148,395
Term of patent 14 years
(Cl. D55—1)



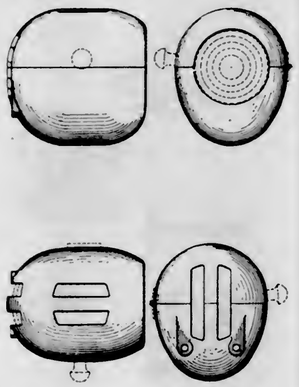
The ornamental design for a bag sealing unit, as shown.

157,181
DISPLAY FIGURE UNIT OR THE LIKE
Florence S. Moulson, Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island
Application March 31, 1949, Serial No. 1,728
Term of patent 3½ years
(Cl. D1—2)



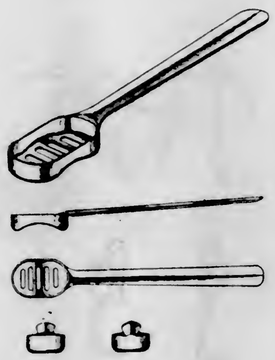
The ornamental design for a display figure unit or the like, substantially as shown.

157,182
SPOTLIGHT HOUSING
Tom Nerman, Park Ridge, Ill.
Application August 21, 1948, Serial No. 148,233
Term of patent 14 years
(Cl. D48—32)



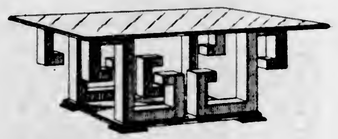
The ornamental design for a spotlight housing, substantially as shown and described.

157,183
BUTTER SPREADER
George H. Newell, Racine, Wis.
Application May 8, 1948, Serial No. 146,251
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a butter spreader, as shown.

157,184
TABLE
George U. Nisle, Chicago, Ill.
Application June 18, 1948, Serial No. 147,642
Term of patent 7 years
(Cl. D33—14)



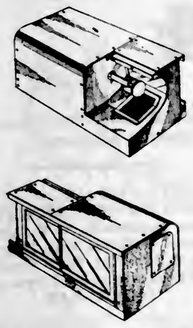
The ornamental design for a table, as shown.

157,185
COMBINATION SPOON, FORK, AND HOLDER
Eolna Nudelman, Chicago, Ill.
Application February 17, 1948, Serial No. 144,556
Term of patent 14 years
(Cl. D44—29)



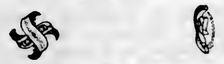
The ornamental design for a combination spoon, fork, and holder, as shown.

157,186
TECHNICIAN'S BUFFER
Frank J. Omo, Houston, Tex., assignor to Alfab Manufacturing Company, Houston, Tex., a corporation
Application October 29, 1948, Serial No. 149,372
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a technician's buffer, substantially as shown.

157,187
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,511
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,188
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,512
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,189
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,513
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,190
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,514
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,191
PIN CLIP OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,515
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin clip or similar article, substantially as shown.

157,192
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,516
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,193
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,517
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,194
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,518
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,195
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,519
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,196
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,520
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,197
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,521
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,198
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,522
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,199
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,523
Term of patent 7 years
(Cl. D45—19)



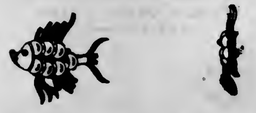
The ornamental design for a brooch or similar article, substantially as shown.

157,200
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,524
Term of patent 7 years
(Cl. D45—19)



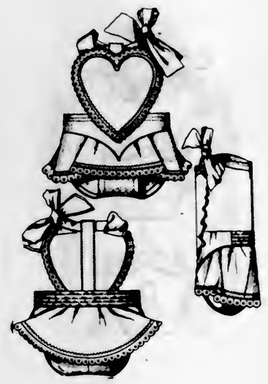
The ornamental design for a brooch or similar article, substantially as shown.

157,201
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 15, 1949, Serial No. 5,525
Term of patent 7 years
(Cl. D45—19)



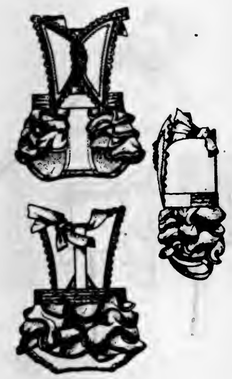
The ornamental design for a brooch or similar article, substantially as shown.

157,202
CHILD'S PLAYSUIT
Mary Plecka, Braeburn, Pa.
Application June 4, 1948, Serial No. 146,754
Term of patent 14 years
(Cl. D3—17)



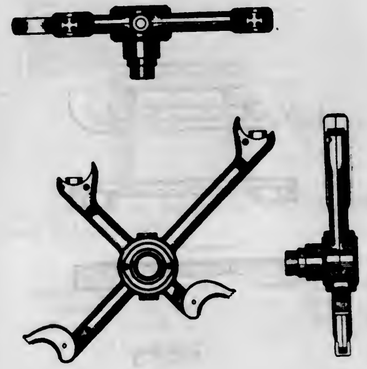
The ornamental design for a child's playsuit, as shown.

157,203
CHILD'S PLAYSUIT
Mary Plecka, Braeburn, Pa.
Application June 4, 1948, Serial No. 146,755
Term of patent 14 years
(Cl. D3—17)



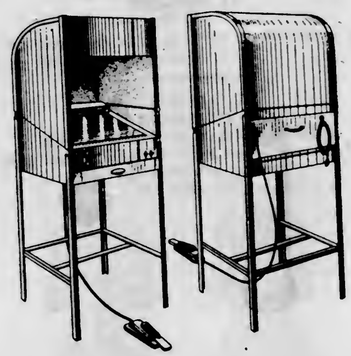
The ornamental design for a child's playsuit, as shown.

157,204
FLUORESCENT LAMP SUPPORT
Alphonse F. Pieper, Brighton, N. Y.
Application April 9, 1948, Serial No. 145,616
Term of patent 14 years
(Cl. D48—23)



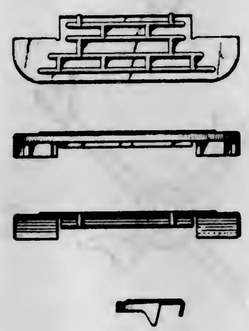
The ornamental design for a fluorescent lamp support, as shown.

157,205
ILLUMINATING TABLE
Lewis J. Reynolds, Houston, Tex.
Application February 20, 1948, Serial No. 144,640
Term of patent 14 years
(Cl. D33—14)



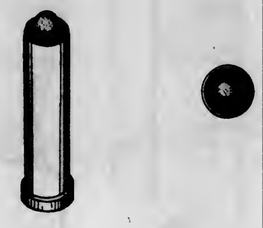
The ornamental design for an illuminating table, substantially as shown.

157,206
SAFETY LADDER STEP
Howard W. Ronfeldt, Toledo, Ohio, assignor to Ronfeldt Associates, Inc., Toledo, Ohio, a corporation of Ohio
Application September 12, 1947, Serial No. 141,342
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a safety ladder step, as shown.

157,207
CASING FOR CIGARETTE LIGHTER, LIPSTICK, OR SIMILAR ARTICLE
Margaret Roth, New York, N. Y., assignor to Roth & Steiner, Inc., New York, N. Y., a corporation of New York
Application June 16, 1948, Serial No. 147,008
Term of patent 14 years
(Cl. D48—27)



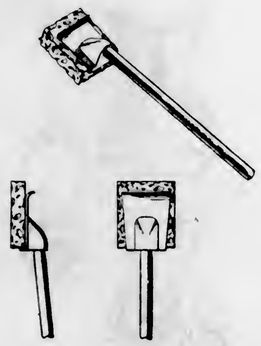
The ornamental design for a casing for cigarette lighter, lipstick, or similar article, substantially as shown.

157,208
ASH TRAY
Morris Shapiro, Los Angeles, Calif.
Application February 27, 1948, Serial No. 144,780
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

157,209
COMBINED SCRAPING AND CLEANING IMPLEMENT OR SIMILAR ARTICLE
Fred Siegel, New York, N. Y.
Application March 3, 1948, Serial No. 144,891
Term of patent 3½ years
(Cl. D9—2)



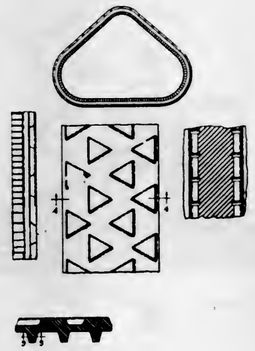
The ornamental design for a combined scraping and cleaning implement or similar article, as shown.

157,210
APPLIQUÉ OR THE LIKE
Morris Silberman, New York, N. Y., assignor to Moses Streesover, New York, N. Y.
Application December 13, 1947, Serial No. 143,131
Term of patent 3½ years
(Cl. D3—9)



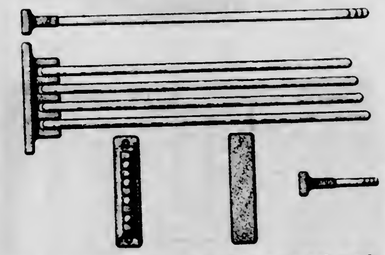
The ornamental design for an appliqué or the like, substantially as shown.

157,211
BAND TRACK
Robert W. Smith, Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 22, 1947, Serial No. 142,078
Term of patent 14 years
(Cl. D90—20)



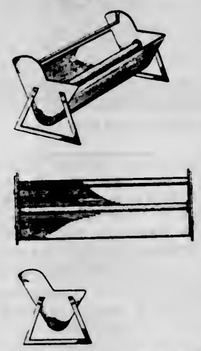
The ornamental design for a band track, as shown.

157,212
TOWEL RACK
Joseph Stefan, Oaklawn, Ill.
Application November 22, 1948, Serial No. 149,767
Term of patent 14 years
(Cl. D33—16)



The ornamental design for a towel rack, as shown and described.

157,213
WALLPAPER MOISTENING MACHINE
George E. Stevens, Missoula, Mont.
Application March 22, 1949, Serial No. 1,543
Term of patent 14 years
(Cl. D9—2)



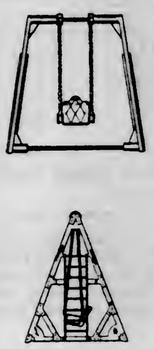
The ornamental design for a wallpaper moistening machine, as shown.

157,214
NEGLIGEE
Murray Taradash, Fall River, Mass.
Application July 23, 1948, Serial No. 147,732
Term of patent 7 years
(Cl. D3—26)



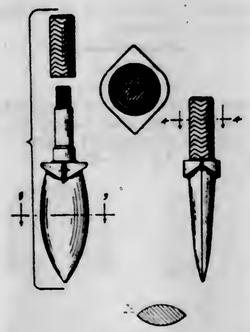
The ornamental design for a negligee, substantially as shown.

157,215
TOY SWING
Islyn Thomas, Newark, N. J., assignor to Thomas Manufacturing Corp., Newark, N. J.
Application April 8, 1948, Serial No. 145,600
Term of patent 14 years
(Cl. D34—15)



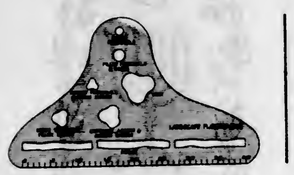
The ornamental design for a toy swing, substantially as shown and described.

157,216
LIPSTICK CONTAINER
Joseph A. Uva, Watertown, Mass.
Application March 28, 1949, Serial No. 1,679
Term of patent 14 years
(Cl. D86—10)



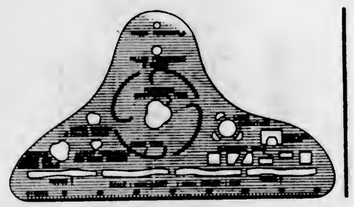
The ornamental design for a lipstick container, as shown.

157,217
LANDSCAPE PLANNING RULE
Clarence A. Vanderbrook, Newark, N. Y., assignor to C. W. Stuart & Company, Inc., Newark, N. Y., a corporation of New York
Application August 12, 1947, Serial No. 140,833
Term of patent 14 years
(Cl. D52—1)



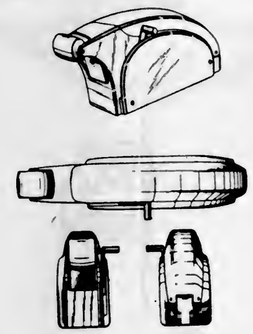
The ornamental design for a landscape planning rule, as shown.

157,218
LANDSCAPE PLANNING RULE
Clarence A. Vanderbrook and Wilford C. Jaynes, Newark, N. Y., assignors to C. W. Stuart & Company, Inc., Newark, N. Y., a corporation of New York
Application February 25, 1948, Serial No. 144,724
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a landscape planning rule, as shown.

157,219
TAPE DISPENSER
Louis Vavrik, Rossford, Ohio, assignor to The Witte-Toledo Company, Toledo, Ohio, a corporation of Ohio
Application November 27, 1948, Serial No. 149,850
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a tape dispenser, as shown.

157,220
CHILD'S SHOE
Sándor Weisz, Budapest, Hungary
Application November 20, 1948, Serial No. 149,730
In Hungary August 16, 1948
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a child's shoe, substantially as shown and described.

157,221
SCARF
Valborg M. Wested, New York, N. Y., assignor to Edgar C. Hyman Co. Inc., New York, N. Y., a corporation of New York
Application June 25, 1949, Serial No. 3,534
Term of patent 3½ years
(Cl. D3—12)



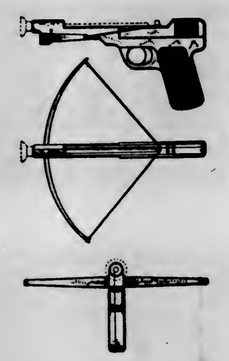
The ornamental design for a scarf, substantially as shown.

157,222
DOLL
Pearl I. Wheeler, Los Angeles, Calif.
Application February 19, 1949, Serial No. 958
Term of patent 7 years
(Cl. D34—4)



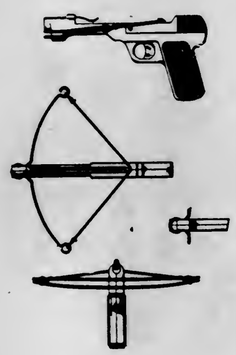
The ornamental design for a doll, as shown.

157,223
TOY CROSSBOW
Paul W. White, New Haven, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application October 15, 1947, Serial No. 141,925
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy crossbow, substantially as shown and described.

157,224
TOY CROSSBOW
Paul W. White, New Haven, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application June 10, 1948, Serial No. 146,874
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy crossbow, substantially as shown.

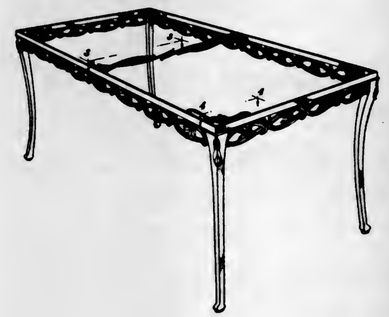
157,225
CHAIR
Caryl F. Williams, La Canada, Calif., assignor to Brown-Jordan Co., Pasadena, Calif., a partnership composed of Robert E. Brown and Hubert W. Jordan
Application May 7, 1948, Serial No. 146,216
Term of patent 14 years
(Cl. D15—1)



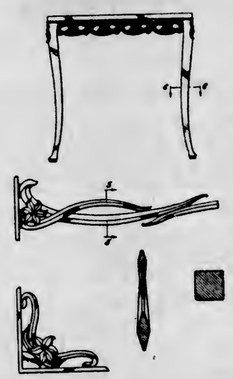


The ornamental design for a chair, substantially as shown.

157,226
TABLE
Caryl F. Williams, La Canada, Calif., assignor to Brown-Jordan Co., Pasadena, Calif., a partnership composed of Robert E. Brown and Hubert W. Jordan
Application May 7, 1948, Serial No. 146,217
Term of patent 14 years
(Cl. D33—14)



157,226—Continued



The ornamental design for a table, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A P Parts Corporation, The: *See*—
Miracle Lubricating Corporation.

Abraham & Straus, Inc., Brooklyn, N. Y. Clothes boilers. Serial No. 562,436, Feb. 7. Class 24.

Aircraft-Marine Products Inc., Harrisburg, Pa. Bench presses for applying electrical terminals. Serial No. 567,228, Feb. 7. Class 23.

Albulac Company: *See*—
Patterson, Bernard A.

Alden, John, Tobacco Co., New York, N. Y., and Wilmington, Del. Cigars, cigarettes, cheroots, etc. Serial No. 560,952, Feb. 7. Class 17.

Alston-Lucas Paint Co., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Enamel paint. Serial No. 552,737, Feb. 7. Class 16.

Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. Serial No. 540,018, Feb. 7. Class 23.

Anahist Co. Inc., Yonkers, N. Y. Preparation for symptomatic relief of colds and allergies. Serial No. 587,232, Feb. 7. Class 18.

Anderson Company, The, Gary, Ind. Rearview mirrors. Serial No. 564,235, Feb. 7. Class 19.

Anderson, G. H.: *See*—
Capital National Bank of Sacramento.

Anheuser-Busch, Inc., St. Louis, Mo. Frozen whole eggs, frozen egg whites, and frozen egg yolks. Serial No. 556,616, Feb. 7. Class 46.

Anheuser-Busch, Inc., St. Louis, Mo. Refrigerated storage and dispensing cases. Serial No. 569,549, Feb. 7. Class 31.

Anne Lee Candy Shops, Norfolk, Va. Candy. Serial No. 566,944, Feb. 7. Class 46.

Appalachian Tanning Co., assignee: *See*—
Soesbe-Potter Leather Company.

Ar-Jax Products Co.: *See*—
Konovsky, Jacob.

Arkansas Company Inc., Newark, N. J. Sulfonic acid compounds. Serial No. 555,980, Feb. 7. Class 6.

Astro Glass Specialties Company, Hollywood, and Los Angeles, assignor to Pacific Universal Products Corporation, Pasadena, Calif. Semi-transparent mirrored glass sheets. Serial No. 554,289, Feb. 7. Class 33.

Atlantic Commission Company, Inc., New York, N. Y. Fresh apples and fresh vegetables, etc. Serial No. 566,564, Feb. 7. Class 46.

Atlas Powder Company, Wilmington, Del. Dust filter adhesives. Serial No. 574,008, Feb. 7. Class 5.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Piece goods. Serial No. 545,219, Feb. 7. Class 42.

Banning, Elizabeth, San Francisco, Calif. Color consultation. Serial No. 560,314, Feb. 7. Class 100.

Barclay, Jas., & Co. Limited, Detroit, Mich., and Peoria, Ill. Whiskey and gin. Serial No. 564,755, Feb. 7. Class 49.

Barnes Drill Co., Rockford, Ill. Machine tools. Serial No. 536,338, Feb. 7. Class 23.

Barr Company, The, Washington, D. C. Machete knives, meat cleavers, chopping axes, and hoes. Serial No. 553,336, Feb. 7. Class 23.

Barton, Inc., Brooklyn, N. Y. Candy candied and salted nuts, and cookies. Serial No. 537,965, Feb. 7. Class 46.

Battenfeld Grease & Oil Corp., Kansas City, Mo. Lubricating greases. Serial No. 570,829, Feb. 7. Class 15.

Bee Chemical Company, Chicago, Ill. Machining compound specially adapted as a coolant-lubricant. Serial No. 535,879, Feb. 7. Class 15.

Bell & Howell Company, Chicago, Ill. Photographic cameras. Serial No 529,582, Feb. 7. Class 26.

Bingham-Herbrand Corporation, The, Toledo and Fremont, Ohio. Wrench sets. Serial No. 542,518, Feb. 7. Class 23.

Bingham-Herbrand Corporation, The, Toledo and Fremont, Ohio. Wrenches. Serial No. 542,520, Feb. 7. Class 23.

Bird & Son, inc., East Walpole, Mass. Ornamental brick-appearing insulated siding. Serial No. 571,842, Feb. 7. Class 12.

Blackman, Thomas L., doing business as Border Produce Company, Calexico, Calif. Fresh vegetables and fresh melons. Serial No. 573,915, Feb. 7. Class 46.

Border Produce Company: *See*—
Blackman, Thomas L.

Burgess-Norton Mfg. Co., Geneva, Ill. Piston pins. Serial No. 537,870, Feb. 7. Class 23.

Capital National Bank of Sacramento, Sacramento, Calif., trustee of the estate of G. H. Anderson, deceased. Fresh pears. Serial No. 542,843, Feb. 7. Class 46.

Carney Company, Inc., The, Mankato, Minn. Felted mineral wool insulating material. Serial No. 571,708, Feb. 7. Class 12.

Casite Corporation, The, Hastings, Mich. Oil additive. Serial No. 575,567, Feb. 7. Class 15.

Centri'ine Corporation, New York, N. Y. Service which comprises lining water mains with cement-mortar. Serial Nos. 581,864–5, Feb. 7. Class 103.

Cerametal Corporation, Paramount, Calif. Combination ceramic and metallic building tile. Serial No. 568,714, Feb. 7. Class 12.

Chicago Towel Company, Chicago, Ill. Supplying laundered linens. Serial No. 548,140, Feb. 7. Class 100.

Claridge Food Co. Inc., Flushing, N. Y. Canned food products. Serial No. 540,522, Feb. 7. Class 46.

Clark Door Company, Inc., Newark, N. J. Steel reenforced overhead doors. Serial Nos. 569,049–50, Feb. 7. Class 12.

Collins, Richard, New York, N. Y. Dress patterns. Serial No. 568,936, Feb. 7. Class 26.

Columbia Bedding Company, Chicago, Ill. Mattresses and box springs. Serial No. 557,179, Feb. 7. Class 32.

Columbia Products Corporation, Brooklyn, N. Y. Toe spreading and protecting devices. Serial No. 540,038, Feb. 7. Class 44.

Consolidated Coal Company, The, St. Louis, Mo. Coal. Serial No. 568,299, Feb. 7. Class 1.

Coplon, Sherman S., Buffalo, N. Y. Covers having depending drapery. Serial No. 566,977, Feb. 7. Class 32.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. Serial No. 561,894, Feb. 7. Class 52.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. Serial No. 561,896, Feb. 7. Class 52.

Dixie Grain Co. Inc., Shelbyville, Tenn. Wheat flour, corn meal; dairy feeds, hog feeds, etc. Serial No. 517,408, Feb. 7. Class 46.

Dormann, George, Co.: *See*—
Dormann, George E.

Dormann, George E., doing business as George Dormann Co., El Centro, Calif. Fresh vegetables, fresh grapes, and fresh melons. Serial No. 540,913, Feb. 7. Class 46.

Duvernoy & Sons, Inc., New York, N. Y. Bread, cakes. Serial No. 531,454, Feb. 7. Class 46.

Eagle-Picher Company, The: *See*—
Alston-Lucas Paint Co.

Eastern Air Lines, Inc., New York, N. Y. Air transportation. Serial No. 546,375, Feb. 7. Class 105.

Eastern Air Lines, Inc., New York, N. Y. Air transportation. Serial No. 546,378, Feb. 7. Class 105.

Edison Vegetable Growers, Inc., Edison, Calif. Fresh deciduous fruits, and fresh vegetables and fresh citrus fruits. Serial No. 542,018, Feb. 7. Class 46.

Eisenstadt Manufacturing Company, St. Louis, Mo. Manicure sets. Serial No. 568,783, Feb. 7. Class 44.

Electro Steel Products, Inc.: *See*—
Electro-Steel Products, Inc.

Electro-Steel Products, Inc., also known as Electro Steel Products, Inc., Philadelphia, Pa. Filters and magnifiers for television lenses. Serial No. 569,308, Feb. 7. Class 26.

Erben, Adolf Schmids, A. G., Berne, Switzerland. Lubricating oils, lubricating greases, emulsifying oils, etc. Serial No. 518,806, Feb. 7. Class 15.

Esso Standard Oil Company: *See*—
Standard Oil Company of New Jersey.

Falls Canning Co., Oconto Falls, Wis. Canned vegetables. Serial No. 570,758, Feb. 7. Class 46.

Farmers Hybrid Seed Corn Company, Hampton, Iowa. Hybrid seed corn. Serial No. 571,681, Feb. 7. Class 1.

Fashion Form Mfg. Corporation, White Plains, N. Y. Maternity panties. Serial No. 556,429, Feb. 7. Class 39.

Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. Serial No. 557,446, Feb. 7. Class 38.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Photographic equipment. Serial No. 559,382, Feb. 7. Class 26.

Fiction House, Inc., New York, N. Y. Magazine. Serial No. 571,414, Feb. 7. Class 38.

Fiction House, Inc., New York, N. Y. Magazine. Serial No. 571,627, Feb. 7. Class 38.

Fidelity and Casualty Company of New York, The, New York, N. Y. Underwriting of insurance. Serial No. 532,923, Feb. 7. Class 102.

Fidelity-Phenix Fire Insurance Company of New York, New York, N. Y. Underwriting of insurance. Serial No. 532,129, Feb. 7. Class 102.

Flying Stories, Inc., New York, N. Y. Magazine. Serial No. 571,418, Feb. 7. Class 38.

Foote Bros. Gear and Machine Corporation, Chicago, Ill. Gear reducer units and parts thereof. Serial No. 538,264, Feb. 7. Class 23

Forsberg Manufacturing Company, The, Bridgeport, Conn. Tool handles. Serial No. 564,278, Feb. 7. Class 23.

Foster, Benjamin, Company, Philadelphia, Pa. Heavy liquid adhesive cements and adhesive surface coatings. Serial No. 558,708, Feb. 7. Class 5.

Foxboro Company, The, Foxboro, Mass. Indicating and recording instruments. Serial No. 568,053, Feb. 7. Class 26.

Foy Paint Company, Inc., The, Cincinnati, Ohio. Paint primers and fillers and varnish type wall sealing preparations. Serial No. 569,268, Feb. 7. Class 16.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils. Serial No. 570,896, Feb. 7. Class 15.
Fruit Beverage Industries, Fresno, Calif. Bottled orange juice. Serial No. 533,874, Feb. 7. Class 46.
Fyr-Fyter Company, The, Dayton, Ohio. Hand operated, pressure operated, cartridge operated, and chemical reaction portable and stationary fire extinguishers. Serial No. 538,395, Feb. 7. Class 23.
Gem Canning Company, Emmett, Idaho. Canned corn. Serial No. 540,536, Feb. 7. Class 46.
General Aniline & Film Corporation, New York, and Binghamton, N. Y. Sensitized photographic film, sensitized photographic plates, etc. Serial No. 528,049, Feb. 7. Class 26.
General Pencil Company, Jersey City, N. J. Lead pencils. Serial No. 568,942, Feb. 7. Class 37.
Gorton, Thomas S., Jr., doing business as Slade Gorton Company, Chicago, Ill. Cat food. Serial No. 569,155, Feb. 7. Class 46.
Haggard & Marcusson Company, Chicago, Ill. Beds, bed springs, bed slats, bunks, etc. Serial No. 528,040, Feb. 7. Class 32.
Haloid Company, The, Rochester, N. Y. Copies of typewritten or printed matter, drawings, maps, or any other records. Serial No. 565,488, Feb. 7. Class 38.
Hamel, Georges R., Paris, France. Air screws. Serial No. 503,651, Feb. 7. Class 19.
Hammel, Riglander & Co., Inc., New York, N. Y. Watchmakers' tools. Serial No. 562,555, Feb. 7. Class 23.
Holland-Rantos Company, Inc., New York, N. Y. Medical diaphragms, diaphragm introducers and plunger applicators. Serial No. 569,204, Feb. 7. Class 44.
Hollander, S., & Sons, New York, N. Y. Veiling and nettings in the piece, etc. Serial No. 568,429, Feb. 7. Class 42.
House of Hollywood, Los Angeles, Calif. Cosmetics. Serial No. 522,054, Feb. 7. Class 51.
Howell, Barney H., Niland, Calif. Fresh vegetables, fresh citrus fruits, and fresh grapes. Serial No. 550,922, Feb. 7. Class 46.
Hudnut, Richard, New York, N. Y. Rouge. Serial No. 560,888, Feb. 7. Class 51.
Hudson, H. D., Manufacturing Company, Chicago, Ill. Glass jars. Serial No. 514,347, Feb. 7. Class 33.
Humphreys Medicine Company Incorporated, New York, N. Y. Tablets for the relief of common throat and mouth irritations. Serial No. 582,173, Feb. 7. Class 18.
Hunt, Elizabeth M., Nacogdoches, Tex. Entertainment and advertising service. Serial No. 548,371, Feb. 7. Class 101.
Hygrade Food Products Corporation, New York, N. Y. Pure lard, rendered beef fat, baked meat loaf, etc. Serial No. 549,439, Feb. 7. Class 46.
Imperial Candy Company, Seattle, Wash. Candy. Serial No. 566,939, Feb. 7. Class 46.
Independent Crop Dusting, Inc., Campbell, Calif. Rotary spray brushes for applying spray materials. Serial No. 538,418, Feb. 7. Class 23.
Inland Manufacturing Company, Omaha, Nebr. Testing, cleaning, recoring, etc., radiators. Serial Nos. 555,103–4, Feb. 7. Class 103.
Inland Manufacturing Company, Omaha, Nebr. Testing, cleaning, recoring, etc., radiators. Serial No. 555,107, Feb. 7. Class 103.
International Fabric Corporation, Boston, Mass. Pile fabric. Serial No. 578,335, Feb. 7. Class 42.
International Materials Handling Council: *See*—
Potts, Matthew W.
Interwood, A. G., Zug, Switzerland. Artificial wood and products made of such artificial wood. Serial No. 551,634, Feb. 7. Class 12.
Jefferson Club Beverage Co.: *See*—
Virginia Pepsi-Cola Bottling Company, Inc.
Johnson Hydraulic Equipment Co., Minneapolis, Minn. Hydraulic farm loaders. Serial No. 559,158, Feb. 7. Class 23.
Kanawha Valley Bank, The, Charleston, W. Va. Financing the purchase of automobiles and the initial insurance premium therefor. Serial No. 558,140, Feb. 7. Class 102.
Kanmak Textiles Inc., New York, N. Y. Woolen piece goods and piece goods. Serial Nos. 570,257–8, Feb. 7. Class 42.
Kanmak Textiles Inc., New York, N. Y. Woolen piece goods and piece goods. Serial Nos. 570,260–1, Feb. 1. Class 42.
Kanmak Textiles Inc., New York, N. Y. Woolen piece goods and piece goods. Serial No. 570,263, Feb. 7. Class 42.
Karseal Corporation, Los Angeles, Calif. Combination lubricant and lubricating oil additive. Serial No. 570,855, Feb. 7. Class 15.
Kendall Company, The, Boston, Mass. Surgical sponges. Serial No. 568,108, Feb. 7. Class 44.
Konovsky, Jacob, doing business as Ar-Jax Products Co., Chicago, Ill. Incense and sachet powder. Serial No. 565,705, Feb. 7. Class 51.
Krich-Radisco, Inc., Newark, N. J. Weekly publication. Serial No. 571,435, Feb. 7. Class 38.
Kujawski & Lonchek, Cassville, N. Y. Potatoes in their natural state. Serial No. 551,904, Feb. 7. Class 46.
Lagomarsino, F., & Sons, Sacramento, Calif. Alfalfa seed. Serial No. 568,379, Feb. 7. Class 1.
Lalla, John F., Company, Chicago, Ill. Tapioca, baking chocolate, honey, etc. Serial No. 554,677, Feb. 7. Class 46.
Lelong, Lucien, Inc., Chicago, Ill. Soap. Serial No. 530,221, Feb. 7. Class 52.
Lelong, Lucien, Inc., Chicago, Ill. Rouge and lipstick. Serial No. 550,602, Feb. 7. Class 51.
Lester, Jerry, New York, N. Y. Entertainment services. Serial No. 554,900, Feb. 7. Class 107.
M & E Manufacturing Company, Indianapolis, Ind. Extractors for separating solid and liquid impurities from air supply to paint guns. Serial No. 553,497, Feb. 7. Class 31.
Mackall Products Co., San Francisco, Calif. Dog and cat food, and yeast for dogs and cats. Serial No. 506,821, Feb. 7. Class 46.
Marchington, T. E., & Co. Limited, Manchester, England. Textile piece goods. Serial No. 569,564, Feb. 7. Class 42.
Markwell Manufacturing Company, Inc., New York, N. Y. Staple removing tools. Serial No. 569,707, Feb. 7. Class 23.
Marshall Field & Company, Chicago, Ill. Candles. Serial No. 571,283, Feb. 7. Class 15.
McCambridge & McCambridge Co., The, Baltimore, Md. Insecticides. Serial No. 503,308, Feb. 7. Class 6.
McCormick, Marjorie T., doing business under the professional name Marjorie Thoma, Pittsburgh, Pa. Entertainment services. Serial No. 532,243, Feb. 7. Class 107.
Merlite Industries Inc., New York, N. Y. Compound for absorbing moisture. Serial No. 572,575, Feb. 7. Class 6.
Metal Specialties Manufacturing Co., Chicago, Ill. Gummed tape dispensers. Serial No. 532,319, Feb. 7. Class 23.
Metal Specialties Manufacturing Co., Chicago, Ill. Gummed tape dispensers. Serial No. 532,321, Feb. 7. Class 23.
Mid-West Printing Company, Inc., doing business as Ross-Martin Company, Tulsa, Okla. Steel filing cabinets. Serial No. 565,588, Feb. 7. Class 32.
Miller Metal Products Co.: *See*—
Miller Metal Products, Inc.
Miller Metal Products, Inc., trading as Miller Metal Products Co., Baltimore, Md. Kitchen cabinets. Serial No. 567,993, Feb. 7. Class 32.
Miracle Lubricating Corporation, Detroit, Mich., assignor to The A P Parts Corporation, Toledo, Ohio. Lubricating oils and greases and graphite lubricants in liquid form. Serial No. 552,069, Feb. 7. Class 15.
Monro, Geo., Limited, London and Herts, England. Post, stake and tube drivers. Serial No. 520,027, Feb. 7. Class 23.
Mugler, Herman A., New York, N. Y. Buildings and structural elements. Serial No. 515,191, Feb. 7. Class 12.
National Engineering Company, Chicago, Ill. Mullers. Serial No. 569,983, Feb. 7. Class 23.
National Engineering Company, Chicago, Ill. Sand mixing machine. Serial No. 569,985, Feb. 7. Class 23.
National Geographic Society, Washington, D. C. Exploring and discovering, gathering, etc., knowledge of the science of the earth, etc. Serial No. 531,505, Feb. 7. Class 107.
National Lubricants Corporation, Houston, Tex. Lubricating oils and greases. Serial No. 530,111, Feb. 7. Class 15.
National Research Corporation, Cambridge, Mass. Soluble coffee. Serial No. 532,478, Feb. 7. Class 46.
Nielsen, A. C., Company, Chicago, Ill. Apparatus for indicating or recording information. Serial No. 547,756, Feb. 7. Class 26.
Ninol Laboratories, Chicago, Ill. Chemicals and preparations thereof. Serial No. 555,617, Feb. 7. Class 6.
Nob Hill Brands, Inc., San Francisco and Stockton, Calif. Spaghetti sauce and chicken tamale. Serial No. 570,429, Feb. 7. Class 46.
North, H. W., Company, The, Erie, Pa. Specialized consulting and design engineering services. Serial No. 552,867, Feb. 7. Class 100.
North, H. W., Company, The, Erie, Pa. Specialized consulting and design engineering services. Serial No. 552,872, Feb. 7. Class 100.
North American Lace Co., Inc., Philadelphia, Pa. Lace curtains, lace table cloths, and lace piece goods. Serial No. 570,114, Feb. 7. Class 42.
OPW Corporation: *See*—
Ohio Pattern Works & Foundry Co.
Ohio Pattern Works & Foundry Co., assignor to OPW Corporation, Cincinnati, Ohio. Automatic barrel fillers, ball and socket attachments, etc. Serial No. 509,948, Feb. 7. Class 13.
Pacific Universal Products Corporation: *See*—
Astro Glass Specialties Company.
Pathfinder Petroleum Company, Los Angeles, Calif. Gasoline and lubricating oils and greases. Serial No. 559,817, Feb. 7. Class 15.
Patterson, Bernard A., doing business under the name Albulac Company, Chicago, Ill. Whipping agent. Serial No. 562,490, Feb. 7. Class 46.

Peerless Mills Co. of New York, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 578,890, Feb. 7. Class 42.
Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking tobacco and cigarettes. Serial No. 548,574, Feb. 7. Class 17.
Peretti, June W., New York, N. Y. Singing and narrative personal performances. Serial No. 544,606, Feb. 7. Class 101.
Perfection Foods Company, also doing business as Standard Kennel Food Company, Battle Creek, Mich. Animal foods. Serial No. 548,264, Feb. 7. Class 46.
Perfection Foods Company, Battle Creek, Mich. Animal foods. Serial No. 548,265, Feb. 7. Class 46.
Pettibone Mulliken Corporation, Chicago, Ill. Machines for ramming foundry flasks. Serial No. 566,763, Feb. 7. Class 23.
Philco Corporation, Philadelphia, Pa. Electric ranges. Serial No. 572,518, Feb. 7. Class 21.
Physicians' Drug & Supply Co., Philadelphia, Pa. Vitamin tablets. Serial No. 588,467, Feb. 7. Class 18.
Planada Packers, Planada, Calif. Canned figs. Serial No. 548,405, Feb. 7. Class 46.
Potts, Matthew W., doing business as International Materials Handling Council, New York, N. Y. Materials handling consultant and advisory services. Serial No. 533,199, Feb. 7. Class 100.
Powers X-Ray Products, Inc., doing business under the name and style of Powers X-ray Service, Glen Cove, N. Y. Making chest X-rays. Serial No. 568,159, Feb. 7. Class 100.
Powers X-Ray Service: *See*—
Powers X-Ray Products, Inc.
Pulaski Canning Co., Oconto Falls, Wis. Canned vegetables. Serial Nos. 570,759–60, Feb. 7. Class 46.
Pure Beverage Company: *See*—
Thornburgh, John J.
Pure Oil Company, The, Chicago, Ill. Household oil (lubricating oil); rubber lubricant; etc. Serial No. 567,923, Feb. 7. Class 15.
Quaker Chemical Products Corporation, Conshohocken, Pa. Compositions containing chemically transformed petroleum. Serial No. 564,157, Feb. 7. Class 15.
Quaker Maid Mills, Inc., Philadelphia, Pa. Toilet lid covers, bath mats and textile rugs. Serial No. 569,991, Feb. 7. Class 42.
R & D Toolholder Corporation, Paterson, N. J. Machine tool holders. Serial No. 568,531, Feb. 7. Class 23.
Richards, James H., doing business as Richards Machine Tool Co., Glendale, Calif. Micrometers and micrometer adapters. Serial No. 568,278, Feb. 7. Class 26.
Richards Machine Tool Co.: *See*—
Richards, James H.
Richardson Corporation, Rochester, N. Y. Topping paste. Serial No. 532,755, Feb. 7. Class 46.
Ross-Martin Company: *See*—
Mid-West Printing Company, Inc.
Royal Feed & Milling Co., doing business as Royal Staf-O-Life Mills, Memphis, Tenn., and Meridian, Miss. Feeds. Serial No. 568,451, Feb. 7. Class 46.
Royal Staf-O-Life Mills: *See*—
Royal Feed & Milling Co.
Rueping, Fred, Leather Company, Fond du Lac, Wis. Leather. Serial No. 569,717, Feb. 7. Class 1.
Russell-Miller Milling Co., Minneapolis, Minn. Poultry feeds. Serial No. 552,721, Feb. 7. Class 46.
Salinas Marketing Cooperative, Salinas, Calif. Fresh vegetables. Serial No. 534,677, Feb. 7. Class 46.
San Pat Vegetable Company, Sinton, Tex. Fresh vegetables. Serial No. 562,963, Feb. 7. Class 46.
Scher, M. M., & Sons, Baltimore, Md. Four-ply worsted suiting piece goods. Serial No. 568,153, Feb. 7. Class 42.
Scherer, R. P., Corporation, Detroit, Mich. Adhesives in capsule form. Serial Nos. 563,017–18, Feb. 7. Class 3.
Schreiber Milling & Grain Co., St. Joseph, Mo., now by change of name Schreiber Mills, Inc., doing business as Schreiber Mills. Stock feed. Serial No. 560,354, Feb. 7. Class 46.
Schreiber Milling & Grain Co., St. Joseph, Mo., now by change of name Schreiber Mills, Inc., doing business as Schreiber Mills. Livestock and poultry feed. Serial No. 560,355, Feb. 7. Class 46.
Schreiber Mills: *See*—
Schreiber Milling & Grain Co.
Schreiber Mills, Inc.: *See*—
Schreiber Milling and Grain Co.
Scientific Glass Apparatus Co., Inc., Bloomfield, N. J. Graduated glass cylinders and test tubes, burettes, pipettes, etc. Serial No. 560,294, Feb. 7. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Enameled floor coverings of the felt-base type. Serial No. 489,935, Feb. 7. Class 20.
Sears, Roebuck and Co., Chicago, Ill. Hearing aids. Serial No. 570,661, Feb. 7. Class 44.
Seaside Oil Company, Santa Barbara, Calif. Motor oils. Serial No. 556,133, Feb. 7. Class 15.
Seaside Oil Company, Santa Barbara, Calif. Gasoline. Serial No. 556,134, Feb. 7. Class 15.
Seaside Oil Company, Santa Barbara, Calif. Lubricating oils and greases. Serial No. 556,138, Feb. 7. Class 15.
Seaside Oil Company, Santa Barbara, Calif. Kerosene and petroleum solvents. Serial No. 556,140, Feb. 7. Class 15.
Sharaf's, Inc., Boston, Mass. Packaged foods. Serial No. 496,340, Feb. 7. Class 46.
Shaw, H. E., Company, Worcester, Mass. Smoking pipes. Serial No. 559,455, Feb. 7. Class 8.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics. Serial No. 578,640, Feb. 7. Class 42.
Slade Gorton Company: *See*—
Gorton, Thomas S., Jr.
Slavin, J. Edward, New Haven, Conn. Educational services. Serial No. 546,623, Feb. 7. Class 107.
Smith, A. O., & Son, Watertown, N. Y. Dressed turkeys. Serial No. 573,850, Feb. 7. Class 46.
Soesbe-Potter Leather Company, assignor to Appalachian Tanning Co., Tullahoma, Tenn. Coats and jackets. Serial No. 556,662, Feb. 7. Class 39.
Spacarb, Inc., Dover, Del., and New York, N. Y. Coin-operated automatic beverage dispensing machines. Serial No. 560,298, Feb. 7. Class 23.
Springs Cotton Mills, The, Lancaster, S. C. Sheets and pillowcases and cotton and rayon textile fabrics. Serial No. 569,400, Feb. 7. Class 42.
Standard Kennel Food Company: *See*—
Perfection Foods Company.
Standard Oil Company of New Jersey, Wilmington, Del., now by change of name Esso Standard Oil Company. Petroleum compounds. Serial No. 520,590, Feb. 7. Class 15.
Sturman Manufacturing Company, North Kansas City, Mo. Dry cleaner. Serial No. 510,408, Feb. 7. Class 52.
Sundstrand Machine Tool Co., Rockford, Ill. Metal working lathes, hydraulic pumps, hydraulic transmissions, etc. Serial No. 537,371, Feb. 7. Class 28.
Sunset Packing Co., Inc., Pembroke and West Pembroke, Maine. Canned fish. Serial Nos. 572,218–20, Feb. 7. Class 46.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,439, Feb. 7. Class 17.
Taylor Food Company, Raleigh, N. C. Peanut butter sandwiches. Serial No. 562,418, Feb. 7. Class 46.
Taylor Provision Company, The, Trenton, N. J. Pork products. Serial No. 522,406, Feb. 7. Class 46.
Tea Garden Products Co., San Francisco, Calif. Fruit and berry preserves, jellies, maraschino cherries, etc. Serial No. 550,962, Feb. 7. Class 46.
Texsun Citrus Exchange, Weslaco, Tex. Fresh citrus fruits, canned citrus juices, canned grapefruit segments, etc. Serial No. 556,670, Feb. 7. Class 46.
Thoma, Marjorie: *See*—
McCormick, Marjorie T.
Thompson-Hayward Chemical Company, Kansas City, Mo. Preservative for wood, cloth, netting, and rope. Serial No. 572,534, Feb. 7. Class 6.
Thornburgh, John J., doing business as Pure Beverage Company, Charlotte, N. C. Maltless soft drink. Serial No. 516,230, Feb. 7. Class 45.
Topeka Packing Company, The, Topeka, Kans. Dressed poultry. Serial Nos. 551,669–70, Feb. 7. Class 46.
Topliss, Norman, New York, N. Y. Window curtains. Serial No. 569,781, Feb. 7. Class 42.
Union Aluminum Company: *See*—
Union Aluminum Company, Inc.
Union Aluminum Company, Inc., Sheffield, Ala., assignee of Union Aluminum Company. Aluminum window sashes, casements, and window frames. Serial No. 514,786, Feb. 7. Class 12.
United States Automatic Box Machinery Co., Inc., Boston, Mass. Packaging machinery. Serial No. 541,355, Feb. 7. Class 26.
United States Automatic Box Machinery Co., Inc., Boston, Mass. Packaging machinery. Serial No. 541,357, Feb. 7. Class 26.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,873, Feb. 7. Class 37.
Van Dusen Harrington Co., Minneapolis, Minn. Livestock and poultry feeds. Serial No. 545,674, Feb. 7. Class 46.
Viewfinder Corporation, The, New York, N. Y., now by change of name The Zoomar Corporation. Camera lenses. Serial No. 566,253, Feb. 7. Class 26.
Virginia Pepsi-Cola Bottling Company, Inc., doing business under the name and style of Jefferson Club Beverage Co., Charlottesville, Va. Non-alcoholic, maltless carbonated beverages. Serial No. 551,147, Feb. 7. Class 45.
WGAR Broadcasting Company, The, Cleveland, Ohio. Radio broadcasting. Serial No. 537,261, Feb. 7. Class 104.
Warner Company, Philadelphia, Pa. Rough limestone and lime. Serial No. 560,370, Feb. 7. Class 1.
Wayne Candies, Inc., Fort Wayne, Ind. Candy. Serial No. 558,606, Feb. 7. Class 46.
Weathermaster, Incorporated, Miami, Fla. Aluminum jalousies. Serial No. 560,783, Feb. 7. Class 12.
Webb, Cecil M., doing business as Webb's Syrup Company, Tampa, Fla. Cane table syrup. Serial No. 471,993, Feb. 7. Class 46.
Webb's Syrup Company: *See*—
Webb, Cecil M.
Webster Tobacco Company, Inc., Philadelphia, Pa. Cigars. Serial No. 556,854, Feb. 7. Class 17.
Webster Tobacco Company, Inc., Philadelphia, Pa. Cigars. Serial No. 563,143, Feb. 7. Class 17.

Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Entertainment service. Serial No. 550,106, Feb. 7. Class 107.
West Virginia Pulp and Paper Company, New York, N. Y. Writing paper. Serial No. 559,388, Feb. 7. Class 37.
West Virginia Pulp and Paper Company, New York, N. Y. English-finish book paper, supercalendered book paper. Serial No. 559,401, Feb. 7. Class 37.
Wheeler, C. H., Manufacturing Company, Philadelphia, Pa. Vacuum pumps. Serial No. 541,240, Feb. 7. Class 23.
Wiechert, George A., New York, N. Y. Artificial denture teeth. Serial No. 570,598, Feb. 7. Class 44.
Wiedeke, Gustav, Company, The, Dayton, Ohio. Tube and flue expanders, tube and flue cutters, tube and flue beading tools, etc. Serial No. 559,363, Feb. 7. Class 23.
Williams & Hussey Machine Co., Inc., Wilton, N. H. Pressure gages and indicators. Serial No. 559,563, Feb. 7. Class 26.
Williams and Shelton Company, Inc., Charlotte, N. C. Household electric refrigerators. Serial No. 565,503, Feb. 7. Class 31.
Winter-Weiss Co., The, Denver, Colo. Portable well drilling rigs. Serial No. 520,363, Feb. 7. Class 23.
Wright, Mary S., New York, N. Y. Pottery, serving ware, and dinner ware. Serial No. 553,764, Feb. 7. Class 30.
Wyeth Incorporated, Philadelphia, Pa. Hormones in dosage form. Serial No. 574,072, Feb. 7. Class 18.
Zinn, Julius A., Jr., Chicago, Ill. Machines for forming paper containers. Serial No. 534,708, Feb. 7. Class 28.
Zoomar Corporation, The: *See*—
Viewfinder Corporation, The.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Gubben's Konservesfabriker, Hundested, Denmark. Canned fish and canned crayfish. 443,731, Feb. 7; Serial No. 495,378, published Oct. 25, 1949. Class 46.
Abel Corporation, The: *See*—
Abel Sales Corporation.
Abel Sales Corporation, by The Abel Corporation, Columbus, Ohio. Automobile pneumatic tires and tubes. 377,606, May 7, 1940. Republished Feb. 7. Class 35.
Acorn Machinery Corporation, New York, N. Y. Fans and blowers. 520,647, Feb. 7; Serial No. 544,677, published Apr. 19, 1949. Class 34.
Adhesive Dry Mounting Company, Limited, The, London, England. Photographic dry mounting machines, photographic cameras, photographic enlargers, etc. 520,783, Feb. 7; Serial No. 558,839, published Sept. 20, 1949. Class 26.
Adro Company, The: *See*—
Natoli, Bartholomew F.
Advance Solvents & Chemical Corporation, New York, N. Y. Detergents and scouring agents. 520,807, Feb. 7; Serial No. 560,433, published Sept. 27, 1949. Class 52.
Aeolian American Corporation: *See*—
Aeolian Company, The.
Aeolian Company, The, by Aeolian American Corporation, New York, N. Y. Pianos. 74,959, Aug. 24, 1909. Republished Feb. 7. Class 36.
Airway Exterminating & Products Company, Chicago, Ill. Insect and rodent extermination, etc. 520,024, Feb. 7; Serial No. 567,014, published Oct. 11, 1949. Class 103.
Alberti, Giuseppe, Benevento, Italy, to Societa per Azioni Strega Alberti Benevento (S. A. B.), Rome, Italy. Cordial. 75,549, re-renewed Oct. 19, 1949. O. G. Feb. 7. Class 49.
Alexander Brothers: *See*—
Armour and Company.
Amalgamated Leather Companies, Inc., Philadelphia, Pa., to Amalgamated Leather Companies, Inc., Wilmington, Del. Tanned kid skins. 269,601, renewed Apr. 15, 1950. O. G. Feb. 7. Class 1.
American Air Filter Company, Inc., Louisville, Ky. Electrical ventilating air cleaners. 520,952, Feb. 7; Serial No. 562,013. Class 21.
American Brake Shoe Company, New York, N. Y. Air compressors, motor driven air compressor units, engine driven air compressor units, etc. 520,768, Feb. 7; Serial No. 557,717, published Oct. 11, 1949. Class 23.
American Chewing Products Corp., Newark, N. J. Chewing gum. 520,599, Feb. 7; Serial No. 534,405, published Feb. 22, 1949. Class 46.
American Chicle Company, Long Island City, N. Y. Chewing gum. 520,878, Feb. 7; Serial No. 565,156, published Oct. 25, 1949. Class 46.
American Cystoscope Makers, Inc., New York, N. Y. Endoscopic examining and operating surgical instruments and components thereof, etc. 520,809, Feb. 7; Serial No. 560,677, published Oct. 4, 1949. Class 44.
American Drug Corporation, St. Louis, Mo. Preparation for the prevention and relief of hay fever, catarrh, colds, etc. 264,878, renewed Dec. 10, 1949. O. G. Feb. 7. Class 18.
American Felt Company, Glenville, Conn. Felt and felting. 520,627, Feb. 7; Serial No. 541,991, published Sept. 27, 1949. Class 30.
American-Marietta Company, Chicago, Ill. Wall boards, concrete curing compound, rubber asphalt joint sealing compound, etc. 520,669, Feb 7; Serial No. 554,075, published Oct. 4, 1949. Class 12.
American Pulley Company, The, Philadelphia, Pa. Mechanical speed reduction drives. 520,630, Feb. 7; Serial No. 542,501, published Nov. 1, 1949. Class 23.
American Steel Box Corp.: *See*—
Beckley-Ralston Co., The.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Springs for general use. 380,269, Aug. 20, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7. Class 13.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Springs. 381,841, Oct. 8, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7. Class 23.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Springs. 382,104, Oct. 15, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7. Class 9.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Springs used for electrical purposes. 383,772, Dec. 24, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7. Class 21.
American Sugar Refining Company, The, New York, N. Y. Sugar of commerce. 337,744–5, Nov. 14, 1899. Republished Feb. 7. Class 46.
American Tag Company, Chicago, Ill. Shipping tags. 269,844, renewed Apr. 22, 1950. O. G. Feb. 7. Class 37.
American Tobacco Company, The, New York, N. Y. Smoking tobacco. 520,703, Feb. 7; Serial No. 556,306, published Nov. 1, 1949. Class 17.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 520,801, Feb. 7; Serial No. 559,880, published Nov. 1, 1949. Class 17.
Amplifier Corp. of America, New York, N. Y. Magnetic sound recording and reproducing apparatus. 520,941, Feb. 7; Serial No. 533,522. Class 21.
Angier Corporation, Framingham, Mass. Paper laminated with sheet copper. 520,588, Feb. 7; Serial No. 531,288, published Mar. 15, 1949. Class 12.
Anglo-Swiss Condensed Milk Company, to The Borden Company, New York, N. Y. Milk, cream, and butter and buttermilk. 34,494, re-renewed Apr. 17, 1950. O. G. Feb. 7. Class 46.
Aracet, Inc.: *See*—
Race, A. T., Jr., Company.
Arco Company, The, Cleveland, Ohio. Mittens used as paint applicators. 520,946, Feb. 7; Serial No. 547,962. Class 29.
Armour and Company, Chicago, Ill., to V. C. Squier Company, Battle Creek, Mich. Strings for plucked and hammered musical instruments. 269,890, renewed Apr. 22, 1950. O. G. Feb. 7. Class 36.
Armour and Company, doing business under the trade style Alexander Brothers, Chicago, Ill. Leather belting. 520,641, Feb. 7; Serial No. 543,398, published Oct. 18, 1949. Class 35.
Armstrong Cork Company, Lancaster, Pa. Gaskets, nonmetallic washers, rings and packings, etc. 520,565, Feb. 7; Serial No. 524,936, published Sept. 6, 1949. Class 35.
Armstrong Cork Company, Lancaster, Pa. Plastic wall tile. 520,720, Feb. 7; Serial No. 548,229, published Oct. 4, 1949. Class 12.
Armstrong Cork Company, Lancaster, Pa. Gaskets, washers, rings, etc. 520,728, Feb. 7; Serial No. 549,209, published Sept. 20, 1949. Class 35.
Associated Food Distributors, Inc., Coldwater, Mich. Canned food products. 520,940, Feb. 7; Serial No. 532,979. Class 46.
Associated Physicians Laboratories, San Francisco, Calif. Solution to be used in the treatment of neurasthenia, asthma, etc. 520,672, Feb. 7; Serial No. 554,356, published Oct. 4, 1949. Class 18.
Atkins & Durbrow, Inc., New York, N. Y. Peat moss. 520,855, Feb. 7; Serial No. 563,100, published Oct. 25, 1949. Class 1.
Atlas Powder Company, Wilmington, Del. Synthetic detergents. 520,690, Feb. 7; Serial No. 555,480, published Oct. 4, 1949. Class 52.
Atmanspacher, A., Ehrenfriedersdorf, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him. Boots and shoes. 264,475, renewed Nov. 26, 1949. O. G. Feb. 7. Class 39.
Attorney General of the United States: *See*—
Atmanspacher, A.
Millhens, Peter.
Audio Industries, Michigan City, Ind. Electrical phonographs and parts therefor. 443,732, Feb. 7; Serial No. 497,443, published Nov. 16, 1948. Class 21.
Aunt Maria, Dorset, Vt. Sugar cookies. 520,879, Feb. 7; Serial No. 565,165, published Nov. 1, 1949. Class 46.
Austenal Laboratories, Incorporated, New York, N. Y. Plastic dentures. 520,699, Feb. 7; Serial No. 555,982, published Nov. 1, 1949. Class 44.

Austin Dental Laboratories, Chicago, Ill. Artificial teeth and dentures. 520,933, Feb. 7; Serial No. 513,375. Class 44.
Automatic Pump & Softener Corporation, Rockford, Ill. Base exchange water treatment apparatus. 443,747, Feb. 7; Serial No. 523,451, published Oct. 18, 1949. Class 31.
Avco Manufacturing Corporation, Cincinnati, Ohio. Household electric refrigerators. 520,869, Feb. 7; Serial No. 564,705, published Nov. 1, 1949. Class 31.
Avco Manufacturing Corporation, Detroit, Mich. Mechanically operated refrigerators. 443,746, Feb. 7; Serial No. 522,038, published Mar. 8, 1949. Class 31.
Baker Furniture, Inc., Grand Rapids, Mich. Wooden tables. 520,598, Feb. 7; Serial No. 533,815, published Oct. 25, 1949. Class 32.
Bakers Associates Incorporated, Chicago, Ill. Management counseling to the bakery industry. 520,923, Feb. 7; Serial No. 560,856, published Oct. 11, 1949. Class 101.
Bar-Brook Manufacturing Company, Inc., Wilmington, Del., and Shreveport, La. Window and attic fans. 520,692, Feb. 7; Serial No. 555,587, published Oct. 4, 1949. Class 34.
Barker Manufacturing Company, The, David City, Nebr. Weeder-mulcher-cultivators. 520,788, Feb. 7; Serial No. 559,131, published Nov. 1, 1949. Class 23.
Barnett & Sibille Company, to J & W Sibille Company, Sunset, La. Candied sweet potatoes in tins. 266,640, renewed Jan. 28, 1950. O. G. Feb. 7. Class 46.
Barrett, Paul, doing business as Skystreak Records, San Francisco, Calif. Grooved phonograph records. 520,802, Feb. 7; Serial No. 559,899, published Oct. 11, 1949. Class 36.
Bates Manufacturing Company, The, West Orange, N. J. Numbering machines. 269,975, renewed Apr. 22, 1950. O. G. Feb. 7. Class 26.
Battle, Archibald J., Jr.: *See*—
Findlay & Battle.
Beach Candy Corporation, Brooklyn, assignor to R. E. Smith, New Rochelle, N. Y. Candy. 520,775, Feb. 7; Serial No. 558,097, published Nov. 1, 1949. Class 46.
Beckley-Ralston Co., The, to American Steel Box Corp., Chicago, Ill. Golf clubs. 259,367, renewed July 30, 1949. O. G. Feb. 7. Class 22.
Beckley-Ralston Co., The, to American Steel Box Corp., Chicago, Ill. Golf clubs. 261,297, renewed Sept. 17, 1949. O. G. Feb. 7. Class 22.
Belknap Hardware & Manufacturing Company, Louisville, Ky. Asphalt roofing material. 520,725, Feb. 7; Serial No. 548,914, published Sept. 27, 1949. Class 12.
Bell & Howell Company, Chicago, Ill. Still picture projectors. 520,578, Feb. 7; Serial No. 529,555, published Apr. 5, 1949. Class 26.
Bell & Howell Company, Chicago, Ill. Motion picture projectors. 520,579, Feb. 7; Serial No. 529,564, published Apr. 5, 1949. Class 26.
Bell & Howell Company, Chicago, Ill. Motion picture projectors. 520,580, Feb. 7; Serial No. 529,576, published Apr. 5, 1949. Class 26.
Bell & Howell Company, Chicago, Ill. Motion picture projectors. 520,581, Feb. 7; Serial No. 529,579, published Apr. 5, 1949. Class 26.
Bendix Aviation Corporation, South Bend, Ind. Fluid filters and fluid demulsifiers. 520,623, Feb. 7; Serial No. 541,254, published Sept. 27, 1949. Class 31.
Bertolli, Giovanni, Corp., Brooklyn, N. Y. Coffee and vinegar. 520,870, Feb. 7; Serial No. 564,854, published Oct. 18, 1949. Class 46.
Best Foods, Inc., The: *See*—
2 in 1-Shinola-Bixby Corporation.
Best Universal Lock Co., Seattle, Wash. Locks, keys, and parts of locks. 520,548–50, Feb. 7; Serial Nos. 513,382–4, published Oct. 4, 1949. Class 25.
Boland Mfg. Co.: *See*—
Boland, Stanley V.
Boland, Stanley V., doing business as Boland Manufacturing Company, Chicago, Ill., assignor to Boland Mfg. Co., Winona, Minn. Goods made of plastic film: bags, bread bags, etc. 443,729, Feb. 7; Serial No. 487,303, published Jan. 13, 1948. Class 2.
Borden Company, The: *See*—
Anglo-Swiss Condensed Milk Company.
Borg-Warner Corporation, Chicago, Ill. Refrigerator equipment, refrigerator parts, and accessories therefor. 520,816, Feb. 7; Serial No. 561,442, published Oct. 25, 1949. Class 31.
Borg-Warner Corporation, Chicago, Ill. Refrigerator equipment, refrigerator parts, and accessories therefor. 520,837, Feb. 7; Serial No. 562,315, published Oct. 25, 1949. Class 31.
Boston Woven Hose & Rubber Company, Cambridge, Mass. Belts and belting. 520,757, Feb. 7; Serial No. 552,937, published Sept. 20, 1949. Class 35.
Botany Worsted Mills, Passaic, N. J. Lipstick. 443,737, Feb. 7; Serial No. 509,331, published Sept. 6, 1949. Class 51.
Boucher, William, & Sons, to William Boucher & Sons, Inc., Baltimore, Md. Cigars. 263,385, renewed Nov. 5, 1949. O. G. Feb. 7. Class 17.
Boucher, William, & Sons, Inc.: *See*—
Boucher, William, & Sons.
Bradas & Gheens: *See*—
Gheens, C. Edwin.
Bradas & Gheens, Incorporated: *See*—
Gheens, C. Edwin.
Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all kinds of fabrics. 520,907–9, Feb. 7; Serial Nos. 544,145–7. Class 106.
Brandwein, A., & Company, Chicago, Ill. Mattresses. 520,861, Feb. 7; Serial No. 563,303, published Oct. 25, 1949. Class 32.
Breul, Fred G., Tool Works: *See*—
Breul, Gertrude L.
Breul, Gertrude L., doing business as Fred G. Breul Tool Works, Bridgeport, Conn. Mechanics' squares. 520,803, Feb. 7; Serial No. 559,900, published Sept. 20, 1949. Class 26.
Bristol Laboratories Inc., Syracuse, N. Y. Sedative. 520,769, Feb. 7; Serial No. 557,728, published Oct. 4, 1949. Class 18.
Browning Manufacturing Company, Maysville, Ky. Power transmission belting. 520,887, Feb. 7; Serial No. 566,024, published Oct. 18, 1949. Class 35.
Bruning, Charles, Company, Inc., New York, N. Y. Photographic materials and equipment. 520,824, Feb. 7; Serial No. 561,881, published Sept. 20, 1949. Class 26.
Bryant, Cuno R., Portland, Oreg. Portable accounting offices to be mounted upon the chassis of a self-propelled vehicle. 259,718, renewed Aug. 6, 1949. O. G. Feb. 7. Class 19.
Buffalo Fire Appliance Corporation, Dayton, Ohio. Portable hand fire extinguishers. 520,717, Feb. 7; Serial No. 547,969, published Nov. 1, 1949. Class 23.
Burd Brothers, Philadelphia, Pa. Hosiery. 263,380, renewed Nov. 5, 1949. O. G. Feb. 7. Class 39.
Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Dietary compositions. 520,798, Feb. 7; Serial No. 559,375, published Nov. 1, 1949. Class 46.
Busalacchi Banana Co., Milwaukee, Wis. Bananas. 520,779, Feb. 7; Serial No. 558,546, published Oct. 25, 1949. Class 46.
Cameron Corporation, Cleveland, Ohio. Waterpower dishwashers. 520,950, Feb. 7; Serial No. 559,087. Class 23.
Capital City Products Company, The, Columbus, Ohio. Vegetable crystallizing oil. 520,632, Feb. 7; Serial No. 542,834, published Nov. 1, 1949. Class 46.
Capital City Products Company, The, Columbus, Ohio. Popcorn seasoning. 520,633, Feb. 7; Serial No. 542,836, published Nov. 1, 1949. Class 46.
Capital City Products Company, The, Columbus, Ohio. Salad dressing. 520,634, Feb. 7; Serial No. 542,837, published Nov. 1, 1949. Class 46.
Capital City Products Company, The, Columbus, Ohio. Oleomargarine. 520,635, Feb. 7; Serial No. 542,838, published Nov. 1, 1949. Class 46.
Capital City Products Company, The, Columbus, Ohio. Powdered high-melting-point vegetable-oil stearine. 520,636, Feb. 7; Serial No. 542,839, published Nov. 1, 1949. Class 46.
Capital City Products Company, The, Columbus, Ohio. Hydrogenated vegetable oil. 520,638, Feb. 7; Serial No. 542,841, published Nov. 1, 1949. Class 46.
Capital City Products Company, The, Columbus, Ohio. Pure all hydrogenated vegetable oil. 520,637, Feb. 7; Serial No. 542,840, published Nov. 1, 1949. Class 46.
Carpenter Paper Company, Omaha, Nebr. Bond paper. 520,858–9, Feb. 7; Serial Nos. 563,235–6, published Oct. 4, 1949. Class 37.
Cartan Travel Bureau, Inc., Chicago, Ill. Arranging and conducting domestic and foreign travel tours and cruises. 520,922, Feb. 7; Serial No. 559,981, published Sept. 6, 1949. Class 105.
Casparis, Cora Sund, doing business as Don the Beachcomber, Hollywood, Calif. Serving of food and beverages. 520,918, Feb. 7; Serial No. 545,949, published Oct. 11, 1949. Class 100.
Caulk, L. D., Company, The, Milford, Del. Laboratory apparatus. 520,815, Feb. 7; Serial No. 561,368, published Sept. 20, 1949. Class 26.
Cederroth, Christian, to C. S. S. Cederroth, Stockholm, Sweden. Fruit salts. 264,662, renewed Dec. 3, 1949. O. G. Feb. 7. Class 18.
Cederroth, Christian S. S.: *See*—
Cederroth, Christian.
Central Manufacturing Co., Ford City, Pa. Storage battery terminal connectors. 520,780, Feb. 7; Serial No. 558,632, published Nov. 1, 1949. Class 21.
Central Soya Company, Inc., Fort Wayne, Ind. Blend of condensed fish solubles, fish meal and riboflavin supplement. 520,561, Feb. 7; Serial No. 521,796, published Oct. 25, 1949. Class 46.
Chance, A. B., Company, Centralia, Mo. Pulley blocks, detachable canstans, pike poles, etc. 520,611, Feb. 7; Serial No. 538,720, published Nov. 1, 1949. Class 23.
Chapman Orchards, Fullerton and Lindsay, by Placentia Orchard Company, Fullerton, Calif. Fresh citrus fruits. 224,359, Feb. 22, 1927. Republished Feb. 7. Class 46.
Charles, Charlotte, Inc.: *See*—
McCarthy, Melanie B.
Chemical Process Company, San Francisco, Calif. Synthetic resinous ion exchange materials. 520,587, Feb. 7; Serial No 531,017, published Sept. 27, 1949. Class 31.
Chicago Spring Butt Company, to Chicago Spring Hinge Company, Chicago, Ill. Hinges. 77,295, re-renewed Mar. 29, 1950. O. G. Feb. 7. Class 13.

Chicago Spring Hinge Company: *See*—
Chicago Spring Butt Company.
Chicago Spring Products Co., Chicago, Ill. Upholstery, pillow and mattress springs, and spring units. 520,840, Feb. 7; Serial No. 562,449, published Oct. 25, 1949. Class 32.
Children's Productions, Palo Alto, Calif. Motion picture film, film strips, and picture slides. 520,693, Feb. 7; Serial No. 532,428, published Sept. 20, 1949. Class 26.
Chore-Boy Milking Machine Company, Lansing, Mich. Electric water heater. 520,883, Feb. 7; Serial No. 565,910, published Nov. 1, 1949. Class 21.
Christoffersen, Enoch S., doing business as Christoffersen Poultry, Egg & Feed Market, Turlock, Calif. Live and dressed poultry. 520,781, Feb. 7; Serial No. 558,633, published Nov. 1, 1949. Class 46.
Christoffersen Poultry, Egg & Feed Market: *See*—
Christoffersen, Enoch S.
Church & Dwight Company, to Church & Dwight Co., Inc., New York, N. Y. Baking-soda, saleratus, and baking-powder. 76,711, re-renewed Feb. 8, 1950. O. G. Feb. 7. Class 46.
Church & Dwight Co., Inc.: *See*—
Church & Dwight Company.
Church & Dwight Co. Inc., New York, N. Y. Bicarbonate of soda and baking powder. 520,873, Feb. 7; Serial No. 564,934, published Oct. 25, 1949. Class 46.
Citizens Insurance Company of New Jersey, Hartford, Conn. Fire insurance underwriting. 520,916, Feb. 7; Serial No. 536,499, published Oct. 11, 1949. Class 102.
Citrus By-Products Corporation, McAllen, Tex. Dairy and livestock feeds. 520,812, Feb. 7; Serial No. 561,184, published Oct. 18, 1949. Class 46.
Clary Multiplier Corporation, Los Angeles, Calif. Printing ribbons. 520,960, Feb. 7; Serial No. 568,349. Class 11.
Clover Green Dairies, Inc., Woodbridge, N. J. Ice cream. 520,864, Feb. 7; Serial No. 564,099, published Oct. 25, 1949. Class 46.
Coker, Eileen B., doing business as El-Ba-Co Chemical Company, Columbia, S. C. Household insecticide. 520,601, Feb. 7; Serial No. 534,606, published Sept. 6, 1949. Class 6.
Coleman Company, Inc., The, Wichita, Kans. Lanterns and mantles. 520,905, Feb. 7; Serial No. 569,552, published Nov. 1, 1949. Class 34.
Colorphone, Inc., Oakland, Calif. Plastic covers for telephone transmitting and receiving instruments. 520,958, Feb. 7; Serial No. 568,028. Class 21.
Colton Razor Blade Company: *See*—
Rubie Blade Corporation.
Como-Tex Company, The, Chicago, Ill. Imitation Christmas trees. 520,701, Feb. 7; Serial No. 556,176, published Sept. 20, 1949. Class 50.
Conrow, Jonathan, Inc., New York, N. Y. Electronic dictating and sound recording and reproducing apparatus. 520,770–2, Feb. 7; Serial Nos. 557,905–7, published Nov. 1, 1949. Class 21.
Consolidated Distributors' Engineering Corporation, Berwyn, Ill. Air cooling and conditioning units and parts thereof; mechanical air ventilator units. 443,748, Feb. 7; Serial No. 523,886, published Oct. 4, 1949. Class 34.
Consolidated Royal Chemical Corporation, Chicago, Ill. Shaving cream. 520,651, Feb. 7; Serial No. 545,958, published Oct. 4, 1949. Class 51.
Continental Casualty Company, Chicago, Ill. Accident, health, and hospitalization insurance underwriting services. 520,920, Feb. 7; Serial No. 552,917, published Oct. 11, 1949. Class 102.
Continental Paint & Varnish Co., Chicago, Ill. Paint in liquid and paste form, paint enamel and screen enamel. 520,613, Feb. 7; Serial No. 539,275, published Oct. 18, 1949. Class 16.
Contour Chair-Lounge Co. Inc., St. Louis, Mo. Upholstered chairs. 520,737, Feb. 7; Serial No. 550,673, published Nov. 1, 1949. Class 32.
Corn Products Refining Company, New York, N. Y. Table syrup. 520,784, Feb. 7; Serial No. 558,865, published Nov. 1, 1949. Class 46.
Corona Soapcrafters: *See*—
Rothschild, Lee.
Coventry Ware, Inc., Barberton, Ohio. Statuettes, plaques, figures and figurines. 520,583, Feb. 7; Serial No. 530,472, published Oct. 4, 1949. Class 50.
Cracker Jack Co., The, Chicago, Ill. Candy. 268,503, renewed Mar. 18, 1950. O. G. Feb. 7. Class 46.
Crawford-Austin Manufacturing Co., Waco, Tex. Stockmen's textile bed sheets. 520,792, Feb. 7; Serial No. 559,286, published Oct. 11, 1949. Class 42.
Creomulsion Company, Atlanta, Ga. Laxative medicine. 520,681, Feb. 7; Serial No. 554,955, published Oct. 18, 1949. Class 18.
Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. 520,656, Feb. 7; Serial No. 546,656, published Sept. 27, 1949. Class 34.
Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. 520,657, Feb. 7; Serial No. 546,660, published Sept. 20, 1949. Class 34.
Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. 520,658, Feb. 7; Serial No. 546,665, published Sept. 20, 1949. Class 34.
Cronstroms Heating and Sheet Metal Works, Inc., Minneapolis, Minn. Office equipment and supplies. 520,694, Feb. 7; Serial No. 555,830, published Oct. 18, 1949. Class 32.
Crookes Laboratories, Inc., New York, N. Y. Nasal decongestant. 520,903, Feb. 7; Serial No. 569,354, published Oct. 18, 1949. Class 18.
Crown Cork & Seal Company, Inc., Baltimore, Md. Metallic caps and closures. 520,662, Feb. 7; Serial No. 546,157, published Oct. 4, 1949. Class 50.
Crown Overall Manufacturing Company, The: *See*—
Stonewall Cotton Mills.
Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif. Paper towels. 520,569, Feb. 7; Serial No. 527,206, published Oct. 25, 1949. Class 37.
Crown Zellerbach Corporation, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Paper facial tissues, paper napkins, paper towels, etc. 520,628, Feb. 7; Serial No. 542,008, published Oct. 25, 1949. Class 37.
Crown Zellerbach Corporation, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Toilet tissue and facial tissue. 520,629, Feb. 7; Serial No. 542,009, published Oct. 25, 1949. Class 37.
Cudahy Brothers Co., Cudahy, Wis. Bacon. 520,806, Feb. 7; Serial No. 560,323, published Nov. 1, 1949. Class 46.
Cummins Engine Company, Inc., Columbus, Ohio. Maintenance and repair of Diesel engines and parts thereof. 520,919, Feb. 7; Serial No. 550,392, published Oct. 11, 1949. Class 103.
Cummins Engine Company, Inc., Columbus, Ind. Maintenance and repair of Diesel engines. 520,970, Feb. 7; Serial No. 550,393. Class 103.
Cussins and Fearn Company, The, Columbus, Ohio. Power-driven and manually operated lawn mowers. 520,744, Feb. 7; Serial No. 551,367, published Oct. 11, 1949. Class 23.
Cussins and Fearn Company, The, Columbus, Ohio. Ladders, rubber link door mats, rubber stair treads. 520,748, Feb. 7; Serial No. 551,868, published Oct. 4, 1949. Class 50.
Cussins and Fearn Company, The, Columbus, Ohio. Lawn mowers, and enameled and aluminum ladles. 520,753, Feb. 7; Serial No. 552,578, published Oct. 11, 1949. Class 23.
Cussins and Fearn Company, The, Columbus, Ohio. Ladders, rubber link door mats, rubber stair treads. 520,760, Feb. 7; Serial No. 553,175, published Oct. 4, 1949. Class 50.
Cussins and Fearn Company, The, Columbus, Ohio. Gas, coal, and kerosene-fired cooking ranges, gas-heated hot plates, gas-fired bathroom heaters, etc. 520,761, Feb. 7; Serial No. 553,178, published Oct. 4, 1949. Class 34.
Cussins and Fearn Company, The, Columbus, Ohio. Garden hose. 520,762, Feb. 7; Serial No. 553,181, published Sept. 20, 1949. Class 35.
Dana, William B., Company, New York, N. Y. Periodical. 269,031, renewed Mar. 25, 1950. O. G. Feb. 7. Class 38.
Dana, William B., Company, New York, N. Y. Periodical. 269,843, renewed Apr. 22, 1950. O. G. Feb. 7. Class 38.
Dana, William B., Company, New York, N. Y. Periodical. 269,850, renewed Apr. 22, 1950. O. G. Feb. 7. Class 38.
Davis Bakery: *See*—
Davis Baking Company.
Davis Baking Company, doing business as Davis Bakery, Cleveland Heights, Ohio. Salt-free bread. 520,686, Feb. 7; Serial No. 555,163, published Nov. 1, 1949. Class 46.
Dayton Taximeter Corporation, Dayton, Ohio. Taximeters. 520,955, Feb. 7; Serial No. 567,240. Class 26.
De Armond, Harry, Toledo, Ohio. Contact and magnetic microphones, pick-ups, volume controls, etc. 520,751, Feb. 7; Serial No. 552,346, published Nov. 1, 1949. Class 21.
Deerfield Glassine Company, Monroe Bridge, Mass. Glassine paper. 520,590, Feb. 7; Serial No. 531,445, published Sept. 27, 1949. Class 37.
De Laval Separator Company, The, New York, N. Y. Household food freezers. 443,738, Feb. 7; Serial No. 512,490, published Mar. 8, 1949. Class 31.
Dell, Samuel M., & Co., Inc., Baltimore, Md. Flat paintbrushes, round paintbrushes, etc. 263,386, renewed Nov. 5, 1949. O. G. Feb. 7. Class 29.
Dennis, Inc., Winston-Salem, N. C. Salted pop corn. 520,718, Feb. 7; Serial No. 547,979, published Nov. 1, 1949. Class 46.
Dennison Manufacturing Company, Framingham, Mass. Crepe paper, gummed reinforcements, and partially printed labels. 520,765, Feb. 7; Serial No. 553,473, published Oct. 11, 1949. Class 37.
Despatch Oven Company, Minneapolis, Minn. Baking ovens and drying ovens. 520,896, Feb. 7; Serial No. 567,454, published Oct. 18, 1949. Class 34.
Diamond Alkali Company, Cleveland, Ohio. Precipitated calcium carbonate. 520,825, Feb. 7; Serial No. 561,898, published Oct. 18, 1949. Class 6.
Dictograph Products Company, Inc., New York, N. Y. Radio and telephonic equipment. 520,700, Feb. 7; Serial No. 555,996, published Nov. 1, 1949. Class 21.
Diesel Filter Co.: *See*—
Engine Life Products Corporation.

Di Frances, Anthony, Milwaukee, Wis. Semiliquid cleaner for floors, walls, and the like. 399,820, Feb. 2, 1943. Republished Feb. 7. Class 52.
Dings Magnetic Separator Co., Milwaukee, Wis. Magnets and magnet assemblages. 520,749, Feb. 7; Serial No. 551,870, published Nov. 1, 1949. Class 21.
Dixie Cup Company: *See*—
Vortex Mfg. Co., The.
Don the Beachcomber: *See*—
Casparis, Cora S.
Dorward & Sons Co., San Francisco, Calif. Fast kettling pure linseed varnish oil. 520,687, Feb. 7; Serial No. 555,164, published Oct. 18, 1949. Class 16.
Doughnut Corporation of America, New York, N. Y. Prepared flour. 380,172, Aug. 13, 1940. Canceled Jan. 9, 1950. O. G. Feb. 7. Class 46.
Driver-Harris Company: *See*—
Driver-Harris Wire Co.
Driver-Harris Company, Harrison, N. J. Resistance wire, rods, and strands, etc. 268,569–60, renewed Mar. 18, 1950. O. G. Feb. 7. Class 21.
Driver-Harris Wire Co., to Driver-Harris Company, Harrison, N. J. Uninsulated metallic wire and metallic ribbons. 77,049, re-renewed Mar. 8, 1950. O. G. Feb. 7. Class 14.
Driver-Harris Wire Co., to Driver-Harris Company, Harrison, N. J. Uninsulated metallic wire. 77,050, re-renewed Mar. 8, 1950. O. G. Feb. 7. Class 14.
Dulberg, Murray, doing business as The Ilipen Co., New York, N. Y. Vanity ensemble. 520,939, Feb. 7; Serial No. 532,694. Class 51.
Durbrow Bros. Canning Co., Cedar Rapids, Iowa. Canned sweet corn. 520,871, Feb. 7; Serial No. 564,866, published Nov. 1. 1949. Class 46.
E. A. Laboratories, Inc., Brooklyn, N. Y. Electric horns. 520,620, Feb. 7; Serial No. 541,111, published Oct. 25, 1949. Class 21.
Eagle-Picher Company, The, Cincinnati, Ohio. House paint. 520,842, Feb. 7; Serial No. 562,548, published Nov. 1, 1949. Class 16.
Eastern Tube and Tool Co. Inc., to Ettco Tool Co., Inc., Brooklyn, N. Y. Tap-supporting devices and tapping attachments and parts thereof. 264,327, renewed Nov. 26, 1949. O. G. Feb. 7. Class 23.
Eastern States Farmers' Exchange, West Springfield, Mass. Belting. 520,904, Feb. 7; Serial No. 569,367, published Oct. 25, 1949. Class 35.
Eau de Cologne-& Parfümerie-Fabrik, "Glockengass No. 4711" gegenuber der Pferdepost von Ferd, Mülhens: *See*—
Mülhens, Peter.
El-Ba-Co Chemical Company: *See*—
Coker, Eileen B.
Elliott-Heaton-Peninsular Corporation: *See*—
Heaton-Peninsular Button Fastener Co.
Elliott Bay Mill Company, Seattle, Wash. Veneered plywood. 520,645, Feb. 7; Serial No. 544,434, published Nov. 1, 1949. Class 12.
Ely & Walker Dry Goods Company, St. Louis, Mo. Hosiery, ladies' muslin underwear, nightgowns, and pajamas. 75,370, Sept. 28, 1909. Republished Feb. 7. Class 39.
Emerling, Carl N., & Sons, Boston, N. Y. Potatoes. 520,763, Feb. 7; Serial No. 553,188, published Nov. 1, 1949. Class 46.
Emery, Bird, Thayer Dry Goods Company, Kansas City, Mo. Chocolate candy. 520,865, Feb. 7; Serial No. 564,102, published Oct. 11, 1949. Class 46.
Endicott Johnson Corporation, Endicott, N. Y. Boots, shoes, and slippers. 269,825, renewed Apr. 22, 1950. O. G. Feb. 7. Class 39.
Engel, Raymond C., La Salle, Ill. Shoulder guards. 520,963, Feb. 7; Serial No. 570,929. Class 40.
Engine Life Products Corporation, El Monte, Calif., assignee of Diesel Filter Co. Waterless cleaner for removing grease, grime, paint, ink, etc. 520,928, Feb. 7; Serial No. 482,198. Class 52.
Escalante, Jose, & Co., Chicago, Ill., assignor to The Henry Straus Co., Cincinnati, Ohio. Cigars. 520,597, Feb. 7; Serial No. 533,808, published June 21, 1949. Class 17.
Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Synthetic rubber and rubber-like materials. 520,908, Feb. 7; Serial No. 571,714, published Oct. 11, 1949. Class 1.
Ettco Tool Co., Inc.: *See*—
Eastern Tube and Tool Co. Inc.
Fahnestock Electric Company, Inc., Long Island City, N. Y. Telephone, telegraph, and radio equipment. 520,841, Feb. 7; Serial No. 562,458, published Nov. 1, 1949. Class 21.
Faries Manufacturing Company, Decatur, assignor to Faries Manufacturing Company, Chicago, Ill. Electric lamps, carbon stereopticon bulbs, etc. 520,542, Feb. 7; Serial No. 505,744, published Oct. 25, 1949. Class 21.
Farr Company, Los Angeles, Calif. Crimped screen air filters. 520,573, Feb. 7; Serial No. 527,968, published Oct. 18, 1949. Class 81.
Fate-Root-Heath Company, The, Plymouth, Ohio. Tractors. 324,591, May 21, 1935. Corrected. O. G. Feb. 7. Class 23.
Federal Telephone & Radio Corporation, Clifton, N. J. Electrically operated switching apparatus. 520,714, Feb. 7; Serial No. 557,350, published Nov. 1, 1949. Class 21.
Fibus, Murray M., doing business as The Steel City Manufacturing Company, Youngstown, Ohio. Drinking water coolers. 520,820, Feb. 7; Serial No. 561,739, published Sept. 20, 1949. Class 31.
Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruits. 520,619, Feb. 7; Serial No. 540,804, published Oct. 25, 1949. Class 46.
Film 'N File, Inc., New York, N. Y. File and classification cards. 520,724, Feb. 7; Serial No. 548,647, published Sept. 20, 1949. Class 37.
Findlay & Battle, New York, N. Y., Richmond, Va., London, England, Paris, France, Montreal, Quebec, Canada, by A. J. Battle, Jr., doing business as Glacier Metal Company, Richmond, Va. Anti-friction or Babbitt metal. 46,767, Oct. 10, 1905. Republished Feb. 7. Class 14.
Firestone Tire & Rubber Company, The, Akron, Ohio. Adhesive cement. 520,826, Feb. 7; Serial No. 562,129, published Nov. 1, 1949. Class 6.
Fischer, B., & Co., Inc., New York, N. Y. Coffee, tea, and spice. 264,053, renewed Nov. 19, 1949. O. G. Feb. 7. Class 46.
Fitzgerald Manufacturing Company, The, Torrington, Conn. Cylinder head and manifold gaskets. 520,880, Feb. 7; Serial No. 565,182, published Oct. 4, 1949. Class 85.
Florasynth Laboratories Inc., New York, N. Y. Aromatic chemical solvents. 267,375, renewed Feb. 18, 1950. O. G. Feb. 7. Class 6.
Food Machinery and Chemical Corporation: *See*—
Food Machinery Corporation.
Food Machinery Corporation, San Jose, Calif., now by merger Food Machinery and Chemical Corporation, Sulphur. 520,659, Feb. 7; Serial No. 546,692, published Oct. 4, 1949. Class 6.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 262,876–86, renewed Oct. 29, 1949. O. G. Feb. 7. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 262,927–8, renewed Oct. 29, 1949. O. G. Feb. 7. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 264,903, renewed Dec. 10, 1949. O. G. Feb. 7. Class 42.
Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.
Foundry Equipment Company, The, Cleveland, Ohio. Industrial ovens and parts thereof. 520,730, Feb. 7; Serial No. 549,381, published May 31, 1949. Class 34.
Fox Company: *See*—
Gustave Fox Company, The.
Fox, Gustave, Company, to Fox Company, Cincinnati, Ohio. Metal name plates. 269,735, renewed Apr. 15, 1950. O. G. Feb. 7. Class 13.
Fritzsche Tire & Reliner Company, Chicago, Ill. Tire and tube repair patches. 520,563, Feb. 7; Serial No. 523,256, published Oct. 4, 1949. Class 35.
Fuller Brush Company, The, Hartford, Conn. Hair brushes. 520,726, Feb. 7; Serial No. 548,949, published Oct. 18, 1949. Class 29.
Furnas Electric Company, Batavia, Ill. Electrical equipment. 520,767, Feb. 7; Serial No. 557,664, published Nov. 1, 1949. Class 21.
Galef, J. L., & Son, Inc., New York, N. Y. Toy pistols and guns; darts; dice cups, etc. 520,551, Feb. 7; Serial No. 513,404, published Oct. 18, 1949. Class 22.
Gamble-Skogmo, Inc.: *See*—
Gamble Stores, Incorporated.
Gamble Stores, Incorporated, to Gamble-Skogmo, Inc., Minneapolis, Minn. Radio receiving sets. 269,441, renewed Apr. 8, 1950. O. G. Feb. 7. Class 21.
Gardenhour Bros., Smithburg, Md. Fresh deciduous fruits. 520,894, Feb. 7; Serial No. 567,347, published Oct. 25, 1949. Class 46.
Garné Jewelry, New York, N. Y. Jewelry. 520,909, Feb. 7; Serial No. 571,800, published Nov. 1, 1949. Class 28.
Gemex Company, Union, N. J. Wristwatch bracelets, watch straps; watch attachments; neck chains, etc. 267,139, Feb. 11, 1930. Republished Feb. 7. Class 28.
General Crushed Stone Co., The, Easton, Pa. Bituminous concrete material. 520,704, Feb. 7; Serial No. 556,433, published Oct. 4, 1949. Class 12.
General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.
General Fireproofing Company, The, Youngstown, Ohio. Desks, tables, telephone stands, etc. 520,811, Feb. 7; Serial No. 560,998, published Oct. 25, 1949. Class 32.
General Motors Corporation, Detroit, Mich. Bearings for shafts and similar machine elements. 264,995, renewed Dec. 10, 1949. O. G. Feb. 7. Class 23.
General Tire & Rubber Company, The, Akron, Ohio. Storage battery chargers. 520,552, Feb. 7; Serial No. 513,562, published Oct. 25, 1949. Class 21.
Gerry, Norman G., New York, N. Y. Optical goods. 520,819, Feb. 7; Serial No. 561,621, published Sept. 20, 1949. Class 26.
Gheens, C. Edwin, doing business as Bradas & Gheens, by Bradas & Gheens, Incorporated, Louisville, Ky. Candles. 188,491, Aug. 26, 1924. Republished Feb. 7. Class 46.
Gibraltar Floors, Inc., Detroit, Mich. Prepared materials, to wit: a material comprising sand, gravel, and cement, etc. 520,675, Feb. 7; Serial No. 554,560, published Oct. 4, 1949. Class 12.

Giles, John, & Sons, Limited, Bristol, to John Giles & Sons Limited, Leeds, England. Boot protectors. 76,571, renewed Feb. 1, 1950. O. G. Feb. 7. Class 13.
Gillett Canning Company, Gillett, Wis. Canned peas, beans, and beets. 211,890, Apr. 20, 1926. Republished Feb. 7. Class 46.
Gillette Safety Razor Company: *See*—
Probak Corporation.
Gimbel Brothers, Inc., New York, N. Y. Sheets and pillowcases. 263,145, renewed Oct. 29, 1949. O. G. Feb. 7. Class 42.
Girl Scouts, New York, N. Y. Shears, scissors, hatchets, etc. 269,973, renewed Apr. 22, 1950. O. G. Feb. 7. Class 23.
Glacier Metal Company: *See*—
Findlay & Battle.
Good Earth Soil Co., Inc., The, Fort Worth, Tex. Fumigated and mineralized potting soil. 520,799, Feb. 7; Serial No 559,603, published Sept. 27, 1949. Class 1.
Gora-Lee Corporation, The, Stratford, Conn. Nonmetallic washers for nails, tacks, and screws. 520,721, Feb. 7; Serial No. 548,252, published Oct. 4, 1949. Class 35.
Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Canned fish, salt fish, smoked fish, and spiced fish. 411,843, Feb. 6, 1945. Republished Feb. 7. Class 46.
Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Company, Inc.
Gotham Silk Hosiery Company, Inc., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 269,362, renewed Apr. 1, 1950. O. G. Feb. 7. Class 39.
Gotham Silk Hosiery Company, Inc., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 269,368, renewed Apr. 1, 1950. O. G. Feb. 7. Class 39.
Gould, William L., Albany, N. Y. Cleaner for typewriter type. 520,752, Feb. 7; Serial No. 552,452, published Oct. 4, 1949. Class 52.
Grant, W. T., Company, New York, N. Y. Bicycle tires and tubes. 520,862, Feb. 7; Serial No. 563,612, published Oct. 4, 1949. Class 35.
Great American Tea Company, The, New York, N. Y. Toothbrushes. 520,738, Feb. 7; Serial No. 550,691, published Oct. 18, 1949. Class 29.
Great American Tea Company, The, New York, N. Y. Liquid polishing wax. 520,838, Feb. 7; Serial No. 562,360, published Oct. 11, 1949. Class 16.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth materials. 520,846, Feb. 7; Serial No. 562,697, published Oct. 25, 1949. Class 1.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth, kieselguhr, and infusorial earth. 520,847, Feb. 7; Serial No. 562,698, published Oct. 25, 1949. Class 1.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth. 520,848, Feb. 7; Serial No. 562,701, published Sept. 20, 1949. Class 31.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth for use as a filter aid. 520,849, Feb. 7; Serial No. 562,704, published Sept. 20, 1949. Class 31.
Green, C. L., Milling & Grain Co.: *See*—
Green, Curtis L.
Green, Curtis L., doing business as C. L. Green Milling & Grain Co., Winters, Tex. Wheat flour. 520,682, Feb. 7; Serial No. 554,973, published Nov. 1, 1949. Class 46.
Green, Robert M., & Sons, Inc., Philadelphia, Pa. Soda fountain back bars and soda fountain counters. 520,674, Feb. 7; Serial No. 554,486, published Oct. 25, 1949. Class 32.
Greene & Hodgson, Inc., Providence, R. I. Oil burners and boilers. 520,706, Feb. 7; Serial No. 556,575, published Oct. 25, 1949. Class 34.
Greene, Tweed & Co., North Wales, Pa. Mallets and spring winders. 520,754, Feb. 7; Serial No. 552,768, published Oct. 11, 1949. Class 23.
Greene, Tweed & Co., North Wales, Pa. Packing for the wearing and bearing parts of machines. 520,867, Feb. 7; Serial No. 564,620, published Oct. 4, 1949. Class 35.
Green's Fuel, Inc., Sarasota, Fla. Liquefied petroleum gas burning space heaters, liquefied petroleum gas burning water heaters, etc. 520,897, Feb. 7; Serial No. 568,017, published Oct. 18, 1949. Class 34.
Green's Fuel, Inc., Sarasota, Fla. Liquefied petroleum gas burning refrigerators. 520,898, Feb. 7; Serial No. 568,018, published Oct. 25, 1949. Class 31.
Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 520,850–1, Feb. 7; Serial Nos. 562,705–6, published Oct. 25, 1949. Class 1.
Guerlain, Inc., New York, N. Y. Perfumes, toilet water, cologne, etc. 520,902, Feb. 7; Serial No. 569,320, published Oct. 18, 1949. Class 51.
Gummed Products Company, The, Troy, Ohio. Fibrous sheet and web material backed with adhesive. 520,600, Feb. 7; Serial No. 534,529, published Oct. 19, 1948. Class 5.
Hammill & Gillespie, Inc., New York, N. Y. Paris white. 520,740, Feb. 7; Serial No. 550,806, published Oct. 18, 1949. Class 16.
Hanson-Van Winkle-Munning Company, Matawan, N. J. Alkaline, acidic, neutral, and solvent cleaning preparations. 520,723, Feb. 7; Serial No. 548,362, published Sept. 20, 1949. Class 52.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire-brick. 520,697, Feb. 7; Serial No. 555,931, published Oct. 4, 1949. Class 12.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire-brick. 520,698, Feb. 7; Serial No. 555,943, published Oct. 4, 1949. Class 12.
Harco Chemical Company, E. Cranford, N. J. Liquid alkaline concentrate of compounded chemicals for use as an all-purpose detergent. 443,735, Feb. 7; Serial No. 508,478, published Sept. 20, 1949. Class 52.
Harter, Isaac, Milling Company, The, Toledo and Fostoria, to The Mennel Milling Company, Toledo, Ohio. Wheat flour. 76,150, re-renewed Dec. 21, 1949. O. G. Feb. 7. Class 46.
Hearst Corporation, The, New York, N. Y. News and news reporting through the medium of television broadcasts. 520,921, Feb. 7; Serial No. 557,132, published Oct. 11, 1949. Class 104.
Heatbath Appliances, Inc., Indian Orchard, Mass. Gas burners. 520,731, Feb. 7; Serial No. 549,438, published Oct. 25, 1949. Class 34.
Heaton-Peninsular Button Fastener Co., to Elliott-Heaton Peninsular Corporation, Boston, Mass. Power and hand operated machines. 76,998, re-renewed Mar. 1, 1950. O. G. Feb. 7. Class 23.
Herrick, Robert E., Brooklyn, N. Y. Album photograph holders and photographic mountings. 520,745, Feb. 7; Serial No. 551,451, published Oct. 25, 1949. Class 37.
Hershey Chocolate Corporation, Hershey, Pa. Chocolate. 520,773, Feb. 7; Serial No. 557,924, published Oct. 25, 1949. Class 46.
Herz Manufacturing Corporation, New York, N. Y. Toothpicks. 520,853, Feb. 7; Serial No. 562,930, published Nov. 1, 1949. Class 44.
Hickey Sales Company: *See*—
Kleinberg, Harry I.
Hoffmaster Paper Company, Inc., Oshkosh, Wis. Embossed folded paper napkins. 520,592, Feb. 7; Serial No. 532,136, published Sept. 27, 1949. Class 37.
Holland-Colombo Trading Society, Inc., Dover, Del., and New York, N. Y. Oil burners. 520,643, Feb. 7; Serial No. 543,606, published Oct. 4, 1949. Class 34.
Holtite Manufacturing Company, The, Baltimore, Md. Adhesive rubber cement. 268,569, renewed Mar. 18, 1950. O. G. Feb. 7. Class 5.
Honan-Crane Corporation, Lebanon, Ind. Purifier machine, clarifier machine, portable mobile filtering machine, etc. 520,560, Feb. 7; Serial No. 520,166, published Nov. 1, 1949. Class 23.
Hookless Fastener Company, to Talon, Inc., Meadville, Pa. Separable fasteners. 263,869, renewed Nov. 12, 1949. O. G. Feb. 7. Class 13.
Hot Shoppes, Inc., Washington, D. C. Serving of foods and beverages in restaurants. 520,917, Feb. 7; Serial No. 542,587, published Oct. 11, 1949. Class 100.
Hover and Veltman, Long Beach, Calif., to Joe Lowe Corporation, New York, N. Y. Frozen confection. 267,110, renewed Feb. 11, 1950. O. G. Feb. 7. Class 46.
Hyde Manufacturing Company, Southbridge, Mass. Straight and circular knife blades. 326,953, Aug. 13. 1935. Republished Feb. 7. Class 23.
Hyde Manufacturing Company, Southbridge, Mass. Putty knives and scrapers and seam rollers. 367,416, May 16, 1939. Republished Feb. 7. Class 23.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, by General Dyestuff Corporation, New York, N. Y. Solution for rendering fireproof textiles of all kinds. 266,174, Jan. 14, 1930. Republished Feb. 7. Class 6.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, by General Dyestuff Corporation, New York, N. Y. Chemical product. 266,374, Jan. 14, 1930. Republished Feb. 7. Class 6.
Ideal Macaroni Co., Cleveland, Ohio. Vermicelli, spaghetti, macaroni, etc. 520,961, Feb. 7; Serial No. 569,625. Class 46.
Ilipen Co., The: *See*—
Dulberg, Murray.
Indian Hill Citrus Association, North Pomona, Calif. Citrus fruits. 76,919, re-renewed Feb. 22, 1950. O. G. Feb. 7. Class 46.
Indian Hill Citrus Association, North Pomona, Calif. Citrus fruits. 77,468, re-renewed Apr. 12, 1950. O. G. Feb. 7. Class 46.
Infilco Incorporated, Chicago, Ill. Filter underdrain systems, or parts thereof. 520,804, Feb. 7; Serial No. 559,980, published Sept. 20, 1949. Class 31.
Inland Steel Products Company, Milwaukee, Wis. Airtite heaters, stove pipe drum ovens, etc. 520,735, Feb. 7; Serial No. 550,508, published Oct. 25, 1949. Class 34.
Inman Brush Co., Highland Park, Ill. Paint brushes. 520,874, Feb. 7; Serial No. 564,946, published Oct. 18, 1949. Class 29.
Insulated Window Company of America, Minneapolis, Minn. Insulating window assemblies. 520,719, Feb. 7; Serial No. 547,993, published Oct. 4, 1949. Class 12.
Italian Food Products Company, Inc., to West Coast Packing Corporation, Long Beach, Calif. Canned tuna. 267,843, renewed Mar. 4, 1950. O. G. Feb. 7. Class 46.
J. T. Manufacturing Company: *See*—
Turulis, John W.
Jackes-Evans Manufacturing Company, St. Louis, Mo. Portable water coolers. 520,572, Feb. 7; Serial No. 527,700, published Sept. 20, 1949. Class 31.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Sprocket drive chains. 520,604, Feb. 7; Serial No. 535,710, published Oct. 4, 1949. Class 23.

Jenkins, George O., Bridgewater, Mass. Fibreboard or leatherboard. 520,856, Feb. 7; Serial No. 563,187, published Nov. 1, 1949. Class 1.
Jensen, Georg, Inc., New York, N. Y. Goods made wholly or in part of crockery or porcelain. 520,540, Feb. 7; Serial No. 504,362, published Oct. 4, 1949. Class 30.
Jensen, Georg, Inc., New York, N. Y. Desk sets and accessories. 520,541, Feb. 7; Serial No. 504,364, published Oct. 11, 1949. Class 37.
Jensen, Peter, Copenhagen, Denmark. Cheese. 506,188, Feb. 1, 1949. Canceled Jan. 9, 1950. O. G. Feb. 7. Class 46.
Johnson, Bernard G., Willow Springs, Ill. Wall type ash trays. 520,951, Feb. 7; Serial No. 560,818. Class 8.
Johnson, S. T., Co., Oakland, Calif. Heating and hot water combination boilers. 443,734, Feb. 7; Serial No. 506,817, published Sept. 20, 1949. Class 34.
Juvitone Motors Hormone: *See*—
Pennebaker, Robert H.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Writing paper and wrapping paper. 520,821, Feb. 7; Serial No. 561,829, published Oct. 11, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich Wrapping paper. 520,822, Feb. 7; Serial No. 561,833, published Oct. 11, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Ice blankets and paper nursery blankets of parchment paper. 520,828, Feb. 7; Serial No. 562,193, published Oct. 11, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Wrapping paper. 520,820, Feb. 7; Serial No. 562,194, published Oct. 11, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Wrapping paper. 520,830, Feb. 7; Serial No. 562,195, published Oct. 25, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Laminated moisture-proof papers. 520,831, Feb. 7; Serial No. 562,197, published Oct. 25, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Self-sealing waxed paper. 520,832, Feb. 7; Serial No. 562,200, published Oct. 11, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Bond paper. 520,833, Feb. 7; Serial No. 562,202, published Oct. 11, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Bond paper second sheets. 520,834, Feb. 7; Serial No. 562,203, published Oct. 11, 1949. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Bond paper. 520,835, Feb. 7; Serial No. 562,204, published Oct. 11, 1949. Class 37.
Kalich, M. L., & Co.: *See*—
Kalich, N. A.
Kalich, N. A., doing business as M. L. Kalich & Co., Watsonville, Calif. Fresh vegetables. 520,545, Feb. 7; Serial No. 510,320, published Nov. 1, 1949. Class 46.
Kansas Milling Company, The, Wichita, Kans. Wheat flour. 76,074–6, re-renewed Dec. 14, 1949. O. G. Feb. 7. Class 46.
Kelly, William, Milling Company, The, Hutchinson, Kans. Wheat flour. 520,648, Feb. 7; Serial No. 545,131, published Nov. 1, 1949. Class 46.
Kendall Company, The, Walpole, Mass. Machines for testing the tensile strength of the adhesive union of fabrics adhesively bonded together. 520,746, Feb. 7; Serial No. 551,638, published Sept. 20, 1949. Class 26.
Kennedy, David E., Inc., Brooklyn, N. Y. Finned tubing for heat exchange purposes. 520,685, Feb. 7; Serial No. 555,108, published Oct. 4, 1949. Class 34.
Kensington, Incorporated, New Kensington, Pa. Furniture. 520,786, Feb. 7; Serial No. 559,101, published Oct. 18, 1949. Class 32.
Kensington, Incorporated, New Kensington, Pa. Furniture. 520,787, Feb. 7; Serial No. 559,103, published Oct. 18, 1949. Class 32.
Kent-Moore Organization Inc., Detroit, Mich. Headlight testers; wheel aligners; gauges; etc. 520,758, Feb. 7; Serial No. 552,986, published Sept. 20, 1949. Class 26.
Keuffel & Esser Company, Hoboken, N. J. Drawing paper, tracing paper, tracing cloth, etc. 443,751, Feb. 7; Serial No. 525,864, published Sept. 27, 1949. Class 37.
Keuffel & Esser Company, Hoboken, N. J. Drawing ink. 443,752, Feb. 7; Serial No. 525,865, published Nov. 1, 1949. Class 11.
Keuffel & Esser Company, Hoboken, N. J. Drawing ink. 443,756, Feb. 7; Serial No. 526,249, published Nov. 1, 1949. Class 11.
Keystone Cooperative Grape Association, North East, Pa. Canned tomatoes, canned cherries, tomato juice. 520,564, Feb. 7; Serial No. 524,334, published Oct. 18, 1949. Class 46.
Kleinberg, Harry I., doing business under the assumed name of Hickey Sales Company, Pittsburgh, Pa. Glass tableware. 520,639, Feb. 7; Serial No. 542,851, published Oct. 4, 1949. Class 33.
Klingfast Rubber Company, Akron, Ohio. Prophylactic sheath. 520,910, Feb. 7; Serial No. 572,253, published Nov. 1, 1949. Class 44.
Kneubühler, Hans, Burgdorf, Switzerland. Fishing reels. 520,956, Feb. 7; Serial No. 567,350. Class 22.
Koehler Manufacturing Company, Marlboro, Mass. Safety flame lamps. 520,901, Feb. 7; Serial No. 569,074, published Nov. 1, 1949. Class 34.
Koller & Smith Co., Inc., New York, N. Y. File cards and folders. 520,852, Feb. 7; Serial No. 562,714, published Oct. 4, 1949. Class 37.
Kores Carbon Paper & Ribbons Mfg. Corp., New York, N. Y. Carbon paper and carbon ribbons. 520,843, Feb. 7; Serial No. 562,612, published Nov. 1, 1949. Class 11.
Kraft Foods Company: *See*—
MacLaren, A. F., Imperial Cheese Co., Limited.
Kramer Jewelry Creations, Inc., New York, N. Y. Costume jewelry. 520,954, Feb. 7; Serial No. 564,818. Class 28.
Lamar Mattress Co.: *See*—
Smith, W. B.
Lancome, S. A., Paris, France. Perfumes and rouge. 520,584, Feb. 7; Serial No. 530,526, published Sept. 6, 1949. Class 51.
Lansing Engineering Company, Lansing, Mich. Apparatus for registering and recording the number of articles processed by associated mass production machinery. 520,944, Feb. 7; Serial No. 544,268. Class 26.
Leake, W. E., Company, Incorporated, Birmingham, Ala. Camp stoves. 520,595, Feb. 7; Serial No. 532,709, published Oct. 25, 1949. Class 34.
Lehn & Fink Products Corporation, Bloomfield, N. J. Rouge, lipstick, powder sachet, etc. 520,688, Feb. 7; Serial No. 555,278, published Oct. 4, 1949. Class 51.
Lesters, The: *See*—
Sermay, Lester J.
Lexington Electric Products Co., Inc., Newark, N. J. Electrical apparatus, steel enclosures, electrical switching equipment, etc. 520,562, Feb. 7; Serial No. 522,179, published Nov. 1, 1949. Class 21.
Linde Air Products Company, The, New York, N. Y. Machines for the flame working of metals. 520,607, Feb. 7; Serial No. 536,478, published Oct. 4, 1949. Class 34.
Lindsay Company, The, St. Paul, Minn. Water softening apparatus. 520,906, Feb. 7; Serial No. 570,424, published Nov. 1, 1949. Class 31.
Lipsey, Eugene A.: *See*—
Royal Canadian Distributing Co.
Liquid Carbonic Corporation, The Chicago, Ill. Welding torches, cutting torches, brazing torches, etc. 520,576–7, Feb. 7; Serial Nos. 529,065–6, published Dec. 7, 1948. Class 34.
Littleway Process Company, The, Boston, Mass. Leather boots and shoes. 259,357, renewed July 30, 1949. O. G. Feb. 7. Class 30.
Lowe, Joe, Corporation: *See*—
Hover and Veltman.
Lowe Seed Company, Aroma Park, Ill. Hybrid seed corn. 520,554, Feb. 7; Serial No. 516,553, published Oct. 25, 1949. Class 1.
Lubin Perfumery Corporation, Wilmington, Del., and New York, N. Y., to Lubin Perfumery Corporation, Wilmington, Del. Perfume, toilet water, face powder, etc. 267,526, renewed Feb. 25, 1950. O. G. Feb. 7. Class 51.
Lucas, John, & Company, Incorporated, Philadelphia, Pa. Paints, paint enamels, lacquers, etc. 520,712, Feb. 7; Serial No. 557,290, published Sept. 20, 1949. Class 16.
Lucas Machine Tool Company, Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Horizontal boring, drilling, and milling machines, and parts thereof. 520,715, Feb. 7; Serial No. 557,540, published Oct. 25, 1949. Class 23.
Lufkin Rule Company, The, Saginaw, Mich. Tape measures. 520,586, Feb. 7; Serial No. 530,659, published Sept. 20, 1949. Class 26.
Luminator, Inc., Chicago, Ill. Lensed light transmissive paneling, lensed glassware, and lensed plastic ware. 520,691, Feb. 7; Serial No. 555,547, published Oct. 4, 1949. Class 34.
Lummus Company, The, New York, N. Y. Heat exchangers. 520,899, Feb. 7; Serial No. 568,317, published Oct. 18, 1949. Class 34.
Luxra Company, Atchison, Kans. Automatic instantaneous gas fired water heaters. 520,654, Feb. 7; Serial No. 546,503, published Oct. 4, 1949. Class 34.
Lynch, S. H., & Co., Dallas, Tex. Distribution by wire of music. 520,926, Feb. 7; Serial No. 571,564, published Oct. 11, 1949. Class 107.
MacLaren, A. F., Imperial Cheese Co., Limited, Toronto, Ontario, Canada, by Kraft Foods Company, Chicago, Ill. Cheese. 56,704, Oct. 16, 1906. Republished Feb. 7. Class 46.
Mal-Art Inc., New York, N. Y. Sales counters. 520,678, Feb. 7; Serial No. 554,680, published Oct. 25, 1949. Class 32.
Malm, E. A., Co.: *See*—
Malm, Edward A.
Malm, Edward A., doing business as E. A. Malm Co., St. Paul, Minn. Ventilators. 520,789, Feb. 7; Serial No. 559,164, published Oct. 25, 1949. Class 34.
Malvern Brick and Tile Company, Malvern, Ark. Fire brick. 520,606, Feb. 7; Serial No. 536,263, published Sept. 14, 1948. Class 12.
Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. 520,800, Feb. 7; Serial No. 559,720, published Nov. 1, 1949. Class 23.
Marquette Manufacturing Co. Inc., Minneapolis, Minn. Oxy-acetylene welding and cutting equipment. 520,589, Feb. 7; Serial No. 531,344, published Oct. 4, 1949. Class 34.

Martin-Senour Company, The, Chicago, Ill. Varnish, varnish stain, pigmented material in the nature of paint, varnish undercoater. 520,689, Feb. 7; Serial No. 555,284, published Oct. 18, 1949. Class 16.
Marvelite Paint Company, The, Baltimore, Md. Dry, paste, and ready-mixed paints, paint enamels, paint thinners, and varnishes. 520,676, Feb. 7; Serial No. 554,581, published Oct. 18, 1949. Class 16.
Mason Tackle, Otisville, Mich. Fishing line leaders. 520,947–8, Feb. 7; Serial Nos. 553,882–3. Class 22.
Matusow Manufacturing Company: *See*—
Matusow Manufacturing Company, The.
Matusow Manufacturing Company, The, to Matusow Manufacturing Company, Philadelphia, Pa. Boys' wash suits and boys' wash knickers. 261,231, renewed Sept. 10, 1949. O. G. Feb. 7. Class 39.
May, Maude B., Co. (Not Inc.), Chicago, Ill. Liqueur glasses. 520,616, Feb. 7; Serial No. 539,887, published Sept. 20, 1949. Class 33.
Mavrakos Candy Company, St. Louis, Mo. Candy. 516,365, Oct. 18, 1949. Corrected. O. G. Feb. 7. Class 46.
McCarthy, Melanie B., to Charlotte Charles, Inc., Evanston, Ill. Cakes and marmalade. 265,965, renewed Jan. 7, 1950. O. G. Feb. 7. Class 46.
McDaniel, G. O., doing business as G. O. McDaniel Company, Edcouch, Tex. Canned orange juice, canned grapefruit juice, and blended grapefruit and orange juice. 520,864, Feb. 7; Serial No. 547,749, published Nov. 1, 1949. Class 46.
McDaniel, G. O., Company: *See*—
McDaniel, G. O.
McDaniel, Harry H., doing business as McDaniel Mfg. Co., Inc., Dallas, Tex. Water heaters. 520,683, Feb. 7; Serial No. 554,992, published Oct. 25, 1949. Class 34.
McDaniel Mfg. Co., Inc.: *See*—
McDaniel, Harry H.
McGovern, E. B., doing business as McGovern and McGovern, Seattle, Wash. Canned fish. 520,655, Feb. 7; Serial No. 566,528, published Nov. 8, 1949. Class 46.
McGovern and McGovern: *See*—
McGovern, E. B.
Mebane Company, The, Mebane, N. C. Felt mattresses, innerspring mattresses, box springs, and coil springs. 520,839, Feb. 7; Serial No. 562,380, published Oct. 11, 1949. Class 32.
Melch & Company, Mission, Tex. Fresh citrus fruits. 443,743, Feb. 7; Serial No. 519,535, published June 29, 1948. Class 46.
Melchior, Armstrong, Dessau Co. of Delaware, Inc., Ridgefield, N. J. Electric compressors and condensing units, water coolers, and ice cream cabinets. 520,907, Feb. 7; Serial No. 571,337, published Nov. 1, 1949. Class 31.
Mennel Milling Company, The: *See*—
Harter, Isaac, Milling Company, The.
Men's Hats, Incorporated: *See*—
New England Panama Hat Co. Inc.
Mexico Refractories Company, Mexico, Mo. Castable refractory concrete materials. 520,624, Feb. 7; Serial No. 541,860, published Sept. 27, 1949. Class 12.
Mexico Refractories Company, Mexico, Mo. Castable refractory materials. 520,625, Feb. 7; Serial No. 541,863, published Oct. 4, 1949. Class 12.
Mexico Refractories Company, Mexico, Mo. Firebrick. 520,626, Feb. 7; Serial No. 541,940, published Sept. 27, 1949. Class 12.
Middletown Rubber Corporation, Middletown, Conn. Rolls and sheets of material. 443,733, Feb. 7; Serial No. 497,946, published Sept. 27, 1949. Class 50.
Mid-States Gummed Paper Co., Chicago, Ill. Decalcomania paper. 520,663, Feb. 7; Serial No. 547,407, published Oct. 18, 1949. Class 37.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature, pressure, liquid level or time measuring and controlling switches or valves. 520,570, Feb. 7; Serial No. 527,242, published Sept. 20, 1949. Class 26.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn. 520,644, Feb. 7; Serial No. 543,826, published Oct. 25, 1949. Class 46.
Mission Dry Corporation, Los Angeles, Calif. Beverages, syrups and extracts for making the same, etc. 443,749, Feb. 7; Serial No. 524,472, published Nov. 1, 1949. Class 45.
Mission Stucco Co., Hynes, Calif. Stucco. 520,566, Feb. 7; Serial No. 525,229, published Nov. 1, 1949. Class 12.
Modell, Henry, & Co., Inc., New York, N. Y. Canvas army cots, steel folding cots, lawn furniture, etc. 520,621, Feb. 7; Serial No. 541,159, published Oct. 4, 1949. Class 32.
Modern Engineering Company, Inc., St. Louis, Mo. Lighting devices. 520,684, Feb. 7; Serial No. 555,066, published Nov. 1, 1949. Class 34.
Monsanto Chemical Company, St. Louis, Mo. Complex synthetic resins. 520,617, Feb. 7; Serial No. 540,195, published Oct. 18, 1949. Class 31.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. 520,555, Feb. 7; Serial No. 519,675, published Oct. 25, 1949. Class 37.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. 520,556, Feb. 7; Serial No. 519,676, published Oct. 11, 1949. Class 37.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. 520,557, Feb. 7; Serial No. 519,678, published Oct. 11, 1949. Class 37.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. 520,558, Feb. 7; Serial No. 519,682, published Oct. 25, 1949. Class 37.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. 520,559, Feb. 7; Serial No. 519,684, published Oct. 11, 1949. Class 37.
Moore, John Hudson, Inc., New York, N. Y. Tweezers for dental, surgical, and manicure purposes, etc. 420,638, Apr. 23, 1946. Amended. O. G. Feb. 7. Class 44.
Morton Sundour Fabrics Limited, Carlisle, England. Furniture slip-overs and other furniture covers. 428,465, Mar. 25, 1947. Republished Feb. 7. Class 32.
Moto-Sway Corporation of America, South Pasadena, Calif. Cleaning compound. 520,727, Feb. 7; Serial No. 548,987, published Oct. 4, 1949. Class 52.
Mülhens, Peter, doing business as Eau de Cologne & Parfümerie-Fabrik, "Glockengasse No. 4711" gegentüber der Pferdepost von Ferd, Mülhens, Cologne-on-the-Rhine, Germany. Vested in Attorney General of the United States, Washington, D. C. and renewed to him. Soaps. 264,438, renewed Nov. 26, 1949. O. G. Feb. 7. Class 52.
Multiple V-Belt Drive and Mechanical Power Transmission Association, Chicago, Ill. Driving belts for machinery. 520,927, Feb. 7; Serial No. 565,075, published Oct. 4, 1949. Class 35.
Murphysboro Grocery Company, Murphysboro, Ill. Scouring cleansers. 520,612, Feb. 7; Serial No. 539,196, published Sept. 20, 1949. Class 52.
Nata Products Company: *See*—
Crown Zellerbach Corporation.
National Cylinder Gas Company, Chicago, Ill. Flame cutting and welding apparatus, and components thereof. 520,653, Feb. 7; Serial No. 546,413, published Feb. 8, 1949. Class 34.
National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus and supplies. 520,662, Feb. 7; Serial No. 547,022, published Sept. 20, 1949. Class 34.
National Gypsum Company, Buffalo, N. Y. Flat oil paint. 520,582, Feb. 7; Serial No. 529,679, published Oct. 19, 1948. Class 16.
National Paper Products Co., The: *See*—
Crown Zellerbach Corporation.
National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.
National Stationers, Philadelphia, Pa. Writing ink. 520,935, Feb. 7; Serial No. 520,827. Class 11.
National Tube Company, Pittsburgh, Pa. Metal pipes, tubes and casings. 307,073, Oct. 10, 1933. Cancelled Jan. 11, 1950. O. G. Feb. 7. Class 13.
Natoli, Bartholomew F., doing business as The Adro Company, Lyndhurst, N. J. Preparation for neutralizing objectionable odors. 520,888, Feb. 7; Serial No. 566,239, published Oct. 18, 1949. Class 6.
Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index and onionskin paper, boxed stationery, etc. 520,736, Feb. 7; Serial No. 550,542, published Oct. 25, 1949. Class 37.
Neo-Ray Products, Incorporated, New York, N. Y. Electric lighting fixtures. 443,744, Feb. 7; Serial No. 520,521, published Nov. 1, 1949. Class 21.
New Britain Machine Company, The: *See*—
Lucas Machine Tool Company.
Newcastle Industries, Inc., New York, N. Y. Parquet flooring. 520,823, Feb. 7; Serial No. 561,853, published Nov. 1, 1949. Class 12.
New England Grain Products Co., Waterville, Maine. Vitamin concentrate for dogs, foxes and mink. 520,929, Feb. 7; Serial No. 493,566. Class 18.
New England Panama Hat Co. Inc., New York, N. Y., to Men's Hats, Incorporated, Baltimore, Md. Men's straw hats. 282,982, renewed Oct. 29, 1949. O. G. Feb. 7. Class 39.
New Haven Vibrator Company, New Haven, Conn. Blowguns, and blowguns and sprayer nozzles therefor, as a unit. 520,603, Feb. 7; Serial No. 535,590, published Oct. 11, 1949. Class 23.
New Process Metals Corporation, Newark, N. J. Sparking metal flints. 520,759, Feb. 7; Serial No. 553,005, published Oct. 25, 1949. Class 34.
Nisus, S. A., Pery sur Bienne, Switzerland. Watches and parts of watches. 520,911, Feb. 7; Serial No. 575,284, published Nov. 1, 1949. Class 27.
Noble Manufacturing Company, Inc., Haydenville, Mass. Brooders, drinking fountains, and feeders, etc. 520,677, Feb. 7; Serial No. 554,586, published Sept. 27, 1949. Class 50.
Norma-Hoffmann Bearings Corporation, Stamford, Conn. Roller bearings and their parts. 520,696, Feb. 7; Serial No. 555,889, published Oct. 25, 1949. Class 23.
North American Cement Corporation, New York, N. Y. Hydraulic cement. 520,671, Feb. 7; Serial No. 554,250, published Oct. 4, 1949. Class 12.
Northwestern Elevator & Mill Company, The, Toledo, Ohio. Cake flour. 265,106, renewed Dec. 17, 1949. O. G. Feb. 7. Class 46.
Oak Ridge Manufacturing Company, Charleston, S. C. Fountain pens and mechanical pencils. 520,785, Feb. 7; Serial No. 558,914, published Sept. 20, 1949. Class 37.
Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Women's, children's, and misses' hats. 264,372, renewed Nov. 26, 1949. O. G. Feb. 7. Class 39.

Ohlsens, J. E., Enke, Copenhagen, Denmark. Seeds, plants and herbs. 520,805, Feb. 7; Serial No. 560,282, published Oct. 25, 1949. Class 1.
Old Colony Envelope Company, Westfield, Mass. Writing and printing papers and mailing envelopes and blank cards. 520,660–1, Feb. 7; Serial Nos. 546,922–3, published Oct. 11, 1949. Class 37.
Old Virginia Packing Company, Inc., Front Royal, Va. Fruit preserves, jellies, jams, etc. 520,568, Feb. 7; Serial No. 526,275, published Nov. 1, 1949. Class 46.
Olin Industries, Inc., New Haven, Conn. Dry cell batteries and handlamps. 520,665, Feb. 7; Serial No. 553,637, published Oct. 25, 1949. Class 21.
Ordnance Gauge Company, Philadelphia, Pa. Wire stitching machines. 520,650, Feb. 7; Serial No. 545,877, published Oct. 11, 1949. Class 23.
Pacific Exploration Co., Inc., Seattle, Wash. Canned King crab. 520,884, Feb. 7; Serial No. 565,957, published Oct. 25, 1949. Class 46.
Packaging Industries Limited, Montclair, N. J. Paper. 443,730, Feb. 7; Serial No. 491,994, published Sept. 13, 1949. Class 37.
Page Belting Company, Concord, N. H. Leather belting and leather packing. 520,679, Feb. 7; Serial No. 554,810, published Sept. 20, 1949. Class 35.
Parichy Roofing and Shingle Company, Forest Park, Ill. Wall tiles. 520,680, Feb. 7; Serial No. 554,811, published June 21, 1949. Class 12.
Parks, Frank H., Portland, Oreg. Protractors. 520,964, Feb. 7; Serial No. 571,378. Class 26.
Parkway Foods, Inc., New York, N. Y. Salted mixed nuts, salted cashew nuts, salted peanuts, etc. 520,844, Feb. 7; Serial No. 562,664, published Oct. 25, 1949. Class 46.
Pasadena Orange Growers Association, Pasadena, to Sierra Madre-Lamanda Citrus Association, Lamanda Park, Calif. Oranges and grape-fruit. 77,563–4, re-renewed Apr. 19, 1950. O. G. Feb. 7. Class 46.
Peerless Cotton Mills, to Thomaston Cotton Mills, Thomaston, Ga. Sheets, pillowcases, and bedspreads. 262,136, renewed Oct. 1, 1949. O. G. Feb. 7. Class 42.
Pennebaker, Robert H., doing business as Juvitone Motors Hormone, Little Rock, Ark. Chemical liquid preparation. 520,790, Feb. 7; Serial No. 559,176, published Oct. 18, 1949. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Addition agent for aqueous acid pickling baths. 520,733, Feb. 7; Serial No. 549,661, published Mar. 1, 1949. Class 6.
Peoria Creamery Company, Peoria, Ill. Butter. 520,868, Feb. 7; Serial No. 564,647, published Oct. 18, 1949. Class 46.
Perfection Manufacturing Corporation, Minneapolis, Minn. Electric refrigerators. 443,740, Feb. 7; Serial No. 514,062, published Sept. 27, 1949. Class 31.
Perfection Mop Co., Maywood, Calif. Dust mops. 520,930, Feb. 7; Serial No. 505,981. Class 29.
Peter Pan Bakers: *See*—
Petersen, P. F., Baking Company.
Petersen, P. F., Baking Company, also doing business as Peter Pan Bakers, Omaha, Nebr. Bread. 520,594, Feb. 7; Serial No. 532,633, published Nov. 1, 1949. Class 46.
Philadelphia Seed Company, The, Philadelphia, Pa. Health conditioner and tonic for poultry. 266,381, renewed Jan. 14, 1950. O. G. Feb. 7. Class 18.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn. Electric water heaters and electric space heaters. 520,793, Feb. 7; Serial No. 559,322, published Nov. 1, 1949. Class 21.
Pitcher, L. R., doing business as Sta-Off Foot Remedy Company, Los Angeles, Calif. Preparation for removing corns, etc. 406,579, Apr. 11, 1944. Republished Feb. 7. Classes 18 and 51.
Placentia Orchard Company: *See*—
Chapman Orchards.
Plastic Binding Corporation, Chicago, Ill. Tubular plastic binders for books. 520,567, Feb. 7; Serial No. 525,676, published Oct. 11, 1949. Class 37.
Plibrico Jointless Firebrick Company, Chicago, Ill. High-temperature cement. 269,699, renewed Apr. 15, 1950. O. G. Feb. 7. Class 12.
Pollak Steel Company, The, Cincinnati, Ohio. Metal fence posts. 520,932, Feb. 7; Serial No. 512,793. Class 13.
Porter, Donald L., Columbus, Ohio. Metal awnings. 520,827, Feb. 7; Serial No. 562,150, published Nov. 1, 1949. Class 12.
Pratt Food Company, Philadelphia, Pa. Foods for horses, cows, sheep, dogs, goats, etc. 520,942, Feb. 7; Serial No. 541,963. Class 46.
Price Candy Company, Kansas City, Mo. Candy. 419,663, Feb. 26, 1946. Republished Feb. 7. Class 46.
Probak Corporation, Jersey City, N. J., and New York, N. Y., to Gillette Safety Razor Company, Boston, Mass. Razor blades. 263,268–9, renewed Nov. 5, 1949. O. G. Feb. 7. Class 23.
Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. 520,966, Feb. 7; Serial No. 579,452. Class 52.
Puritan Mills, Atlanta, Ga. Dairy feeds. 520,649, Feb. 7; Serial No. 545,164, published Oct. 25, 1949. Class 46.
Race, A. T., Jr., Company, assignor to Aracet, Inc., Winter Haven, Fla. Chemical dehydrating agent. 520,782, Feb. 7; Serial No. 558,810, published Oct. 18, 1949. Class 6.

Rainbow Travel Service, Inc., Oklahoma City, Okla. Travel service. 520,925, Feb. 7; Serial No. 568,117, published Oct. 11, 1949. Class 105.
Raybestos-Manhattan, Inc., Passaic, N. J. Wicks. 520,893, Feb. 7; Serial No. 567,277, published Oct. 18, 1949. Class 34.
Reading Dart Board Company: *See*—
Walter, C. Robert.
Red Jacket Coal Sales Company, Columbus, Ohio. Coal-fired space heaters and cooking ranges, automatic stokers, etc. 520,747, Feb. 7; Serial No. 551,657, published Oct. 4, 1949. Class 34.
Reed & Barton, Taunton, Mass. Silver-plated hollowware. 520,670, Feb. 7; Serial No. 554,162, published Nov. 1, 1949. Class 28.
Reid, M. L., doing business as Reid's Rancho Palos Verdes, Tucson, Ariz. Passion fruit juices. 520,702, Feb. 7; Serial No. 556,219, published Oct. 25, 1949. Class 46.
Reid's Rancho Palos Verdes: *See*—
Reid, M. L.
Reiss-Premier Corporation, The, West New York, N. J. Smokers' pipes. 520,810, Feb. 7; Serial No. 560,921, published Nov. 1, 1949. Class 8.
Republic Gear Company, Detroit, Mich. Differential mechanisms and parts thereof, gears and pinions, etc. 520,808, Feb. 7; Serial No. 560,659, published Oct. 4, 1949. Class 23.
Reynolds Metals Company, Richmond, Va. Golf clubs. 520,965, Feb. 7; Serial No. 571,469. Class 22.
Rhode Island Textile Company, Pawtucket, R. I. Shoe laces. 520,962, Feb. 7; Serial No. 570,638. Class 40.
Robbin, Meyer, doing business as Robbin Products, Los Angeles, Calif. Wrist watches. 520,912–14, Feb. 7; Serial Nos. 575,435–7, published Nov. 1, 1949. Class 27.
Robbin Products: *See*—
Robbin, Meyer.
Rochelle Furniture Mfg. Co., Rochelle, Ill. Baby beds, high chairs, and nursery training chairs. 520,705, Feb. 7; Serial No. 556,486, published Oct. 4, 1949. Class 32.
Rockler, L. A., Fur Company, Minneapolis, Minn. Fur skins. 520,845, Feb. 7; Serial No. 562,666, published Oct. 25, 1949. Class 1.
Rock-Tred Corporation, Chicago, Ill. Ready mixed asphalt floor surfacer. 520,585, Feb. 7; Serial No. 530,567, published Oct. 25, 1949. Class 12.
Rockwell Silver Company, The, Meriden, Conn. China plates and china bowls. 520,546, Feb. 7; Serial No. 510,727, published Oct. 4, 1949. Class 30.
Rockwell Silver Company, The, Meriden, Conn. Glass plates and glass bowls. 520,547, Feb. 7; Serial No. 510,728, published Oct. 4, 1949. Class 33.
Rockwood & Co., Brooklyn, N. Y. Chocolate pieces of semi-sweet chocolate. 443,728, Feb. 7; Serial No. 485,158, published Oct. 25, 1949. Class 46.
Roddenbery, W. B., Company, Inc., Cairo, Ga. Table syrup, pickles, and peanut butter. 520,857, Feb. 7; Serial No. 568,220, published Oct. 11, 1949. Class 46.
Rothschild, Lee, doing business as Corona Soapcrafters, Redlands, Calif. Bar soap. 520,716, Feb. 7; Serial No. 547,773, published Oct. 4, 1949. Class 52.
Royal Canadian Distributing Co., to E. A. Lipsey, Chicago, Ill. Nonalcoholic, cereal, malt beverages. 272,548, July 8, 1930. New certificate. O. G. Feb. 7. Class 48.
Rubber Corporation of America, New York and Brooklyn, N. Y. Vinyl plastic material. 520,693, Feb. 7; Serial No. 555,700, published Nov. 1, 1949. Class 1.
Ruble Blade Corporation, New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades. 264,062, renewed Nov. 19, 1949. O. G. Feb. 7. Class 23.
Rudolf, L., Co., Inc., New York, N. Y. Egg mixtures. 520,755, Feb. 7; Serial No. 552,880, published Nov. 1, 1949. Class 46.
S. A. F. F. A., S. A. Fabbriche Fiammiferi ed Affini, Milano, Italy. Furniture. 443,745, Feb. 7; Serial No. 520,771, published Oct. 18, 1949. Class 32.
S. F. Appliances, Limited, Ridgefield, N. J. Blow torches and plumbers' solder furnaces. 520,875, Feb. 7; Serial No. 564,973, published Sept. 6, 1949. Class 34.
Sales Affiliates, Inc., New York, N. Y. Hair dyes. 520,881, Feb. 7; Serial No. 565,458, published Oct. 4, 1949. Class 51.
Santiago Orange Growers Association, Orange, Calif. Fresh citrus fruits. 520,695, Feb. 7; Serial No. 555,841, published Nov. 1, 1949. Class 46.
Savory Equipment, Inc., Newark, N. J. Electric appliances. 520,729, Feb. 7; Serial No. 549,280, published Nov. 1, 1949. Class 21.
Sawyer Tanning Company, Napa, Calif. Leather. 520,708, Feb. 7; Serial No. 556,820, published Oct. 25, 1949. Class 1.
Sawyer Tanning Company, Napa, Calif. Leather. 520,709, Feb. 7; Serial No. 556,823, published Sept. 27, 1949. Class 1.
Sawyer Tanning Company, Napa, Calif. Leather. 520,774, Feb. 7; Serial No. 558,071, published Nov. 1, 1949. Class 1.
Schreyer & Michaels, New York, N. Y. Paint or facing. 520,872, Feb. 7; Serial No. 564,907, published Oct. 18, 1949. Class 16.
Scioto Canning Co., The: *See*—
Sears & Nichols Corporation, The.

Scovill Manufacturing Company, Racine, Wis., and Waterbury, Conn., and elsewhere. Portable hair driers, drink mixers, phonograph motors, etc. 520,750, Feb. 7; Serial No. 552,316, published Nov. 1, 1949. Class 21.

Scully Rubber Mfg. Co., Baltimore, Md. Non-metallic faucet washers. 520,885, Feb. 7; Serial No. 565,967, published Oct. 4, 1949. Class 35.

Scully Rubber Manufacturing Co., Baltimore, Md. Flush tank balls. 520,943, Feb. 7; Serial No. 544,117. Class 13.

Sears & Nichols Corporation, The, doing business as The Scioto Canning Co., Chillicothe, Ohio, by United Foods, Inc., Chicago, Ill. Canned vegetables. 261,360, Sept. 17, 1929. Republished Feb. 7. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Electric domestic refrigerators. 520,794, Feb. 7; Serial No. 559,350, published Oct. 4, 1949. Class 31.

Sears, Roebuck and Co., Chicago, Ill. Transparent material enmeshed in cloth, wire mesh and wire screening. 520,817, Feb. 7; Serial No. 561,497, published Sept. 20, 1949. Class 50.

See-Jay Exterminating Service, Inc., Oklahoma City, Okla. Insect exterminating powder. 520,886, Feb. 7; Serial No. 565,908, published Oct. 4, 1949. Class 6.

Seeman, J. E., Company, Inc., Los Angeles, Calif. Lighter flints. 520,957, Feb. 7; Serial No. 567,601. Class 8.

Seiberling Rubber Company, Akron, Ohio. Elastic vehicle tires, auto flaps, reliners, etc. 520,891, Feb. 7; Serial No. 566,954, published Oct. 18, 1949. Class 35.

Sermay, Lester J., doing business as The Lesters, Island City N. Y. Sauce for shrimp. 520,953, Feb. 7; Serial No. 563,874. Class 46.

Shaw, H. E., Company, Worcester, Mass. Cigarettes, smoking tobacco, and cigars. 520,796, Feb. 7; Serial No. 559,457, published Nov. 1, 1949. Class 17.

Sherman Paper Products Corporation, Newton, Mass. Flocked paper. 520,866, Feb. 7; Serial No. 564,469, published Oct. 11, 1949. Class 37.

Sherwin-Williams Company, The, Cleveland, Ohio. Wallpaper, poster papers and boards, etc. 443,750, Feb. 7; Serial No. 524,738, published Sept. 20, 1949. Class 37.

Shotwell Mfg. Co., The: *See*—
Shotwell Manufacturing Co., The.

Shotwell Manufacturing Co., The, by The Shotwell Mfg. Co., Chicago, Ill. Candy. 339,179, Sept. 29, 1936. Republished Feb. 7. Class 46.

Sibille, J & W. Company: *See*—
Barnett & Sibille Company.

Sierra Madre-Lamanda Citrus Association: *See*—
Pasadena Orange Growers Association.

Simmons Company, New York, N. Y. Springs. 520,818, Feb. 7; Serial No. 561,525, published Oct. 25, 1949. Class 32.

Simplex, Inc., Marshfield, Wis. Barn and barnyard equipment. 520,610, Feb. 7; Serial No. 538,318, published Oct. 4, 1949. Class 12.

Simplex Oil Heating Corporation, New York, N. Y. Oil burners and oil-burning furnaces of all kinds. 520,640, Feb. 7; Serial No. 542,887, published Nov. 1, 1949. Class 34.

Singer, Walter E., doing business as Walter E. Singer Company, New York, N. Y. Watches and watch movements. 520,915, Feb. 7; Serial No. 575,496, published Nov. 1, 1949. Class 27.

Singer, Walter E., Company: *See*—
Singer, Walter E.

Sioux Steel Co., The, Sioux Falls, S. Dak. Furnace pipe and fittings for warm air furnaces and air conditioning apparatus. 520,713, Feb. 7; Serial No. 557,314, published Oct. 18, 1949. Class 34.

Skystreak Records: *See*—
Barrett, Paul.

Sloane, W. & J., New York, N. Y. Ash trays and cigarette boxes. 520,797, Feb. 7; Serial No. 559,532, published Oct. 25, 1949. Class 8.

Smith, Robert E.: *See*—
Beach Candy Corporation.

Smith, Sydney & Sons (Nottingham) Limited, Nottingham, England. Indicating and recording pressure and temperature meters and gauges, barometers, vacuum pressure temperature indicators, etc. 520,732, Feb. 7; Serial No. 549,589, published Sept. 20, 1949. Class 26.

Smith, W. B., doing business as Lamar Mattress Co., Memphis, Tenn. Mattresses. 520,860, Feb. 7; Serial No. 563,286, published Oct. 25, 1949. Class 32.

Societa per Azioni Strega Alberti Benevento (S. A. B.): *See*—
Alberti, Giuseppe.

Societe Anonyme Mido, Bienne, Switzerland. Watches, and chronometers, watch movements, watch case, etc. 225,024, Mar. 8, 1927. Republished Feb. 7. Class 27.

Societe Duilly & Cie, Paris, France. Candies and crystallized fruits. 265,195, renewed Dec. 17, 1949. O. G. Feb. 7. Class 46.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 520,544, Feb. 7; Serial No. 508,861, published Oct. 11, 1949. Class 37.

Sprouse, V. E., Company, Inc., Columbus, Ind. Blowers and ventilating fan units. 520,614, Feb. 7; Serial No. 539,361, published Oct. 25, 1949. Class 34.

Squier, V. C., Company: *See*—
Armour and Company.

Standard Brands Incorporated, New York, N. Y. Cheese, cheese spreads, and process cheese food. 520,707, Feb. 7; Serial No. 556,605, published Oct. 18, 1949. Class 46.

Sta-Off Foot Remedy Company: *See*—
Pitcher, L. R.

Star Porcelain Company, The, Trenton, N. J. Porous absorbent porcelain parts. 520,854, Feb. 7; Serial No. 562,967, published Sept. 20, 1949. Class 30.

Stayton Canning Co. Co-Operative, Stayton, Oreg. Canned vegetables. 520,889, Feb. 7; Serial No. 566,250, published Oct. 25, 1949. Class 46.

Steel City Manufacturing Company, The: *See*—
Fibus, Murray M.

Stein, Hall & Company, Inc., New York, N. Y. Size or coating material. 262,513, Oct. 15, 1929. Republished Feb. 7. Class 6.

Stein, Hall & Company, Inc., New York, N. Y. Sizing prepared from starch. 262,621, Oct. 15, 1929. Republished Feb. 7. Class 6.

Stein, Lawrence M., Company, Chicago, Ill. Electrically operated clothes pressing irons. 520,791, Feb. 7; Serial No. 559,257, published Oct. 4, 1949. Class 21.

Steinwender, Stoffregen & Co., Inc., New York, N. Y. Green coffee. 520,646, Feb. 7; Serial No. 544,473, published Nov. 1, 1949. Class 46.

Stock, Arthur J., doing business as Stock Engineering Company, Cleveland, Ohio. Non-segregating distributors. 520,863, Feb. 7; Serial No. 563,876, published Oct. 25, 1949. Class 34.

Stock Engineering Company: *See*—
Stock, Arthur J.

Stonewall Cotton Mills, Stonewall, Miss., to The Crown Overall Manufacturing Company, Cincinnati, Ohio. Cotton sheetings, shirtings, drills, etc. 76,233, renewed Dec. 28, 1949. O. G. Feb. 7. Class 42.

Stratton & Terstegge Company, Louisville, Ky. Coal stoves, stokers, and oil burners. 520,666, Feb. 7; Serial No. 553,648, published Oct. 18, 1949. Class 34.

Straus, Henry, Co., The: *See*—
Escalante, Jose, & Co.

Streit, Aron, Inc., New York, N. Y. Matzos. 520,936, Feb. 7; Serial No. 524,441. Class 46.

Stronghold Screw Products, Inc., Chicago, Ill. Screws, bolts, and metal washers. 520,949, Feb. 7; Serial No. 555,022. Class 13.

Sumco Products, Inc., Brooklyn, N. Y., and San Francisco, Calif. Solvent. 520,895, Feb. 7; Serial No. 567,438, published Oct. 25, 1949. Class 52.

Super-Foam Company, Brooklyn, N. Y. Furniture cushions, furniture seats, pillows, etc. 520,959, Feb. 7; Serial No. 568,223. Class 32.

Swift & Company: *See*—
Swift and Company.

Swift and Coompany, to Swift & Company, Chicago, Ill. Lard. 269,663, renewed Apr. 15, 1950. O. G. Feb. 7. Class 46.

Synco Products: *See*—
Synco Products Company, Inc.

Synco Products Company, Inc., doing business as Synco Products, Chattanooga, Tenn. Atmospheric deodorants. 520,756, Feb. 7; Serial No. 552,897, published Dec. 7, 1948. Class 6.

Table Rock Laboratories, Inc., Greenville, S. C. Preparation for the treatment of vitamin deficiencies, and hydrochloric acid deficiencies, etc. 520,571, Feb. 7; Serial No. 527,429, published Sept. 6, 1949. Class 18.

Tasty Baking Company, Philadelphia, Pa. Cakes. 520,605, Feb. 7; Serial No. 536,173, published Oct. 25, 1949. Class 46.

Tennessee Coal, Iron & Railroad Company, Birmingham, Ala. Ground open hearth basic slag. 296,780, Aug. 23, 1932. Canceled Jan. 11, 1950. O. G. Feb. 7. Class 10.

Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Prefabricated steel units. 386,604, Apr. 22, 1941. Canceled Jan. 11, 1950. O. G. Feb. 7. Class 12.

Terrell, Reta, Perfumes, Chicago, Ill. Applicatore in sheet form for use on the skin. 520,764, Feb. 7; Serial No. 553,428, published Nov. 1, 1949. Class 44.

Texas Star Flour Mills, Galveston, to Texas Star Flour Mills, Dallas and Galveston, Tex. Wheat-flour. 77,343, re-renewed Mar. 29, 1950. O. G. Feb. 7. Class 46.

Thomaston Cotton Mills: *See*—
Peerless Cotton Mills.

Thomsen-Ellis Company, by Thomson-Ellis-Hutton Company, Baltimore, Md. Reproductions of pictures, photographs, drawings, etc. 190,692, Oct. 21, 1924. Republished Feb. 7. Class 38.

Thomsen-Ellis-Hutton Company: *See*—
Thomsen-Ellis Company.

Thomsen-Ellis-Hutton Company, Baltimore, Md. Printed material. 410,499, Nov. 28, 1944. Republished Feb. 7. Class 38.

Thoro Products Co., Denver, Colo. Dry cleaning fluid. 520,892, Feb. 7; Serial No. 567,159, published Oct. 4, 1949. Class 52.

Thorpe, Harry F., Cheshire, Conn. Rolling pins. 520,743, Feb. 7; Serial No. 551,208, published Oct. 11, 1949. Class 23.

Timken-Detroit Axle Company, The, Detroit, Mich. Furnaces, boilers, water heaters, etc. 520,591, Feb. 7; Serial No. 531,549, published Sept. 27, 1949. Class 34.

Tobin, R. R., Tobacco Co., Detroit, Mich. Pipe tobacco. 520,776, Feb. 7; Serial No. 558,532, published Nov. 1, 1949. Class 17.

Tobin, R. R., Tobacco Co., Detroit, Mich. Pipe tobacco. 520,777, Feb. 7; Serial No. 558,534, published Nov. 1, 1949. Class 17.

Toledo Pipe Threading Machine Company, The, Toledo, Ohio. Machines, plain and ratchet operated threaders, pipe vises, etc. 520,574, Feb. 7; Serial No. 528,533, published Oct. 25, 1949. Class 23.

Triangle Rubber Co., Inc., New York, N. Y. Belting, hose, machinery packing. 520,710, Feb. 7; Serial No. 556,852, published Oct. 4, 1949. Class 35.

Truax-Traer Coal Company, Chicago, Ill. Lignite coal. 520,813, Feb. 7; Serial No. 561,354, published Oct. 18, 1949. Class 1.

Truax-Traer Coal Company, Chicago, Ill. Lignite coal. 520,814, Feb. 7; Serial No. 561,356, published Oct. 18, 1949. Class 1.

Turulis, John W., doing business as J. T. Manufacturing Company, Gary, Ind. Ash trays. 520,876, Feb. 7; Serial No. 564,979, published Oct. 25, 1949. Class 8.

2 in 1-Shinola-Bixby Corporation, to The Best Foods, Inc., New York, N. Y. Shoe-shining kits. 269,635, renewed Apr. 15, 1950. O. G. Feb. 7. Class 29.

Uarco Incorporated, Chicago, Ill. Writing pads. 520,596, Feb. 7; Serial No. 532,771, published Sept. 13, 1949. Class 37.

Uddo & Taormina Company, Brooklyn, N. Y. Canned tomatoes. 520,739, Feb. 7; Serial No. 550,757, published Nov. 1, 1949. Class 46.

Ulman Company Inc., The, Brooklyn, N. Y. Place mats. 443,741, Feb. 7; Serial No. 515,143, published Sept. 27, 1949. Class 37.

Underwood Corporation, New York, N. Y. Typewriter ribbon and carbon paper. 520,553, Feb. 7; Serial No. 514,074, published Nov. 1, 1949. Class 11.

Underwood, John, & Co.: *See*—
Underwood, John T.

Underwood, John T., to John Underwood & Co., New York, N. Y. Writing and printing paper. 77,383, re-renewed Apr. 5, 1950. O. G. Feb. 7. Class 37.

United Associates, Inc., Jersey Shore, Pa. Farm tractors. 520,673, Feb. 7; Serial No. 554,446, published Oct. 11, 1949. Class 23.

United Foods, Inc.: *See*—
Sears & Nichols Corporation, The.

U. S. Expansion Bolt Co., New York, N. Y. Toggle bolts. 118,836, Oct. 2, 1917. Canceled Dec. 16, 1949. O. G. Feb. 7. Class 13.

U. S. Manufacturing Corporation, Decatur, Ill. Devices for killing and disabling insects, flies, and the like. 520,631, Feb. 7; Serial No. 542,699, published Oct. 4, 1949. Class 50.

United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. 520,741, Feb. 7; Serial No. 550,869, published Nov. 1, 1949. Class 17.

United States Travelware Corporation, Manchester, N. H. Suitcases. 307,924, Nov. 14, 1933. Republished Feb. 7. Class 3.

United Steel Fabricators, Inc., Wooster, Ohio. Construction materials. 520,734, Feb. 7; Serial No. 549,992, published Oct. 18, 1949. Class 12.

Universal Atlas Cement Company, Chicago, Ill. Building cement. 292,999, Apr. 5, 1932. Canceled Jan. 11, 1950. O. G. Feb. 7. Class 12.

Upland Citrus Association, Upland, Calif. Fresh citrus fruit. 520,877, Feb. 7; Serial No. 565,025, published Oct. 25, 1949. Class 46.

Vacuum Oil Company, New York, N. Y. Mixture of petroleum oils. 202,638, Sept. 1, 1925. Canceled Jan. 6, 1950. O. G. Feb. 7. Class 4.

Valco Manufacturing Company, Chicago, Ill. Hawaiian and Spanish amplifying and electric guitars, and guitar accessories. 443,739, Feb. 7; Serial No. 513,279, published Jan. 25, 1949. Class 36.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Ready-mixed paints. 267,754, renewed Feb. 25, 1950. O. G. Feb. 7. Class 16.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Primers, surfacers, and lacquers. 268,449, renewed Mar. 18, 1950. O. G. Feb. 7. Class 16.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Lacquer undercoats and enamels, etc. 269,547, renewed Apr. 8, 1950. O. G. Feb. 7. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Valentine & Company, Inc., New York, N. Y. Paint enamel. 520,667, Feb. 7; Serial No. 553,654, published Oct. 18, 1949. Class 16.

Valley Fruit & Produce Co., Los Angeles, Calif. Fresh vegetables and fresh avocados. 520,882, Feb. 7; Serial No. 565,830, published Oct. 25, 1949. Class 46.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Steel hardware goods, agricultural forks. 520,618, Feb. 7; Serial No. 540,498, published Oct. 18, 1949. Class 23.

Van Raalte Company, Inc., New York, N. Y. Underwear of knitted fabric for women and children. 267,609, renewed Feb. 25, 1950. O. G. Feb. 7. Class 39.

Van Rooy Coffee Company, Inc., The, Cleveland, Ohio. Coffee. 299,473, Dec. 6, 1932. Republished Feb. 7. Class 46.

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets and parts thereof. 520,609, Feb. 7; Serial No. 537,956, published Sept. 20, 1949. Class 35.

Vortex Mfg. Co., The, Chicago, Ill., to Dixie Cup Company, Easton, Pa. Paper cups. 262,367, renewed Oct. 8, 1949. O. G. Feb. 7. Class 2.

Vulcan Corporation, Portsmouth, Ohio. Shoe lasts. 520,778, Feb. 7; Serial No. 558,539, published Sept. 20, 1949. Class 50.

Vulcan Corporation, Portsmouth, Ohio. Shoe lasts. 520,795, Feb. 7; Serial No. 559,362, published Sept. 27, 1949. Class 50.

Waddell and Son, by Waddell and Son, a trust, composed of Mrs. A. H. Waddell, G. H. Waddell, Jr., and S. W. Peterson, trustees, Lindsay, Calif. Fresh citrus fruits. 432,057, Aug. 19, 1947. Republished Feb. 7. Class 46.

Wade Tool Co., The, Waltham, Mass. Machines, attachments, and tools. 520,543, Feb. 7; Serial No. 506,622, published Nov. 1, 1949. Class 23.

Walter, C. Robert, doing business as Reading Dart Board Company, West Lawn, Pa. Dart game. 520,938, Feb. 7; Serial No. 525,462. Class 22.

Ward Products Corporation, The, Cleveland, Ohio. Radio antenna. 520,945, Feb. 7; Serial No. 546,138. Class 21.

Washington Stove Works, Everett, Wash. Stoves, wood and coal ranges, and oil marine ranges. 520,890, Feb. 7; Serial No. 566,280, published Oct. 18, 1949. Class 34.

Wason Brothers Co., Inc., Seattle, Wash. Spices, food flavoring extracts, and sauces. 443,742, Feb. 7; Serial No. 516,335, published Nov. 1, 1949. Class 46.

Waterbury Mattress Co., The, Waterbury, Conn. Box springs, mattresses, and divans. 520,622, Feb. 7; Serial No. 541,237, published Oct. 4, 1949. Class 32.

Waterloo Foundry Company, Waterloo, Iowa. Closures for exhaust pipes of fuel operated engines. 520,934, Feb. 7; Serial No. 518,484. Class 23.

Waterman, L. E., Company, New York, N. Y. Fountain pens, mechanical pencils, and parts thereof. 443,736, Feb. 7; Serial No. 509,185, published Oct. 4, 1949. Class 37.

Webster-Chicago Corporation, Chicago, Ill. Apparatus for electrically recording sound upon wire and/or electrically reproducing sound from wire. 520,711, Feb. 7; Serial No. 556,935, published Oct. 25, 1949. Class 21.

Welch, W. W., Company, Cincinnati, Ohio. Electric fan stands. 520,602, Feb. 7; Serial No. 535,205, published Nov. 1, 1949. Class 21.

West Coast Packing Corporation: *See*—
Italian Food Products Company, Inc.

Western Auto Stores: *See*—
Western Auto Supply Company.

Western Auto Supply Company, also doing business as Western Auto Stores, Kansas City, Mo. Vehicle tires. 520,836, Feb. 7; Serial No. 562,233, published Oct. 4, 1949. Class 35.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, envelopes, paper packets, and folders. 443,753, Feb. 7; Serial No. 526,033, published Sept. 27, 1949. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data, and order books; loose writing paper, etc. 443,754, Feb. 7; Serial No. 526,058, published Oct. 18, 1949. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper packets and folders. 443,755, Feb. 7; Serial No. 526,166, published Oct. 25, 1949. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, papeteries. 520,608, Feb. 7; Serial No. 537,112, published Oct. 25, 1949. Class 37.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Fans and blowers. 520,722, Feb. 7; Serial No. 548,305, published Sept. 20, 1949. Class 34.

Weyand, B. T., doing business as Weyand & Co., Seattle, Wash. Canned salmon. 520,575, Feb. 7; Serial No. 528,969, published May 25, 1948. Class 46.

Weyand & Co.: *See*—
Weyand, B. T.

Whale Products Corp., Brooklyn, N. Y. Oil-burning apparatus. 520,900, Feb. 7; Serial No. 568,416, published Oct. 25, 1949. Class 34.

White, Abe J., Houston, Tex. Preparation for cleaning and polishing false teeth, dental plates, and dental bridgework. 520,642, Feb. 7; Serial No. 543,554, published Oct. 4, 1949. Class 52.

Winkler, Kaspar, & Co., Zurich, Switzerland. Preparation to be used for improving the properties or controlling the setting of cement, mortar, concrete, etc. 520,766, Feb. 7; Serial No. 553,558, published Sept. 27, 1949. Class 12.

Winsor & Newton Limited, Middlesex, England. Artists' paint brushes. 520,668, Feb. 7; Serial No. 553,999, published Nov. 1, 1949. Class 29.

Wire and Steel Products Co., Inc., The, Brooklyn, N. Y. Corrugated joint fasteners. 384,873, Feb. 4, 1941. Republished Feb. 7. Class 13.

Wright and Shipley Corporation, The, Houston, Tex. Thermal type grain dryers, and accessories therefor. 520,742, Feb. 7; Serial No. 551,151, published Nov. 1, 1949. Class 34.

Wyeth Incorporated: *See*—
Wyeth, John, & Brother, Incorporated.

Wyeth, John, & Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Medicinal carminative and antacid. 265,212, renewed Dec. 17, 1949. O. G. Feb. 7. Class 18.

York-Shipley, Inc., York, Pa. Rotary oil burners, gun-type oil burners, etc. 520,615, Feb. 7; Serial No. 539,587, published Oct. 25, 1949. Class 34.

York-Shipley, Inc., York, Pa. Self-contained oil burning space heaters. 520,931, Feb. 7; Serial No. 507,668. Class 34.

Yuma Mesa Fruit Growers Association: *See*—
Yuma Mesa Grapefruit.
Yuma Mesa Grapefruit Company.

Yuma Mesa Grapefruit, to Yuma Mesa Fruit Growers Association, Yuma, Ariz. Fresh grapefruit. 268,173, renewed Mar. 11, 1950. O. G. Feb. 7. Class 46.

Yuma Mesa Grapefruit Company, to Yuma Mesa Fruit Growers Association, Yuma, Ariz. Fresh grapefruit. 269,351, renewed Apr. 1, 1950. O. G. Feb. 7. Class 46.

Zajc, Karol, New York, N. Y. Religious articles. 520,937, Feb. 7; Serial No. 524,510. Class 50.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal, Lignite. Truax-Traer Coal Company. 520,813, Feb. 7; Serial No. 561,354, published Oct. 18, 1949.

Coal, Lignite. Truax-Traer Coal Company. 520,814, Feb. 7; Serial No. 561,356, published Oct. 18, 1949.

Diatomaceous earth, kieselguhr, and infusorial earth. Great Lakes Carbon Corporation. 520,847, Feb. 7; Serial No. 562,698, published Oct. 25, 1949.

Diatomaceous earth materials. Great Lakes Carbon Corporation. 520,846, Feb. 7; Serial No. 562,697, published Oct. 25, 1949.

Fibreboard or leatherboard. G. O. Jenkins. 520,856, Feb. 7; Serial No. 563,187, published Nov. 1, 1949.

Fur skins. L. A. Rockler Fur Company. 520,845, Feb. 7; Serial No. 562,666, published Oct. 25, 1949.

Kid skins, Tanned. Amalgamated Leather Companies, Inc. 269,601, renewed Apr. 15, 1950. O. G. Feb. 7.

Leather. The Griess-Pfleger Tanning Co. 520,850–1, Feb. 7; Serial Nos. 562,705–6, published Oct. 25, 1949.

Leather. Sawyer Tanning Company. 520,708, Feb. 7; Serial No. 556,820, published Oct. 25, 1949.

Leather. Sawyer Tanning Company. 520,709, Feb. 7; Serial No. 556,823, published Sept. 27, 1949.

Leather. Sawyer Tanning Company. 520,774, Feb. 7; Serial No. 558,071, published Nov. 1, 1949.

Peat moss. Atkins & Durbrow, Inc. 520,855, Feb. 7; Serial No. 563,100, published Oct. 25, 1949.

Plastic material, Vinyl. Rubber Corporation of America. 520,693, Feb. 7; Serial No. 555,700, published Nov. 1, 1949.

Rubber, Synthetic and rubber-like materials. Esso Standard Oil Company. 520,908, Feb. 7; Serial No. 571,714, published Oct. 11, 1949.

Seed corn, Hybrid. Lowe Seed Company. 520,554, Feb. 7; Serial No. 516,553, published Oct. 25, 1949.

Seeds, plants and herbs. J. E. Ohlsens Enke. 520,805, Feb. 7; Serial No. 560,282, published Oct. 25, 1949.

Soil, Fumigated and mineralised potting. The Good Earth Soil Co., Inc. 520,799, Feb. 7; Serial No. 559,603, published Sept. 27, 1949.

CLASS 2

Cups, Paper. The Vortex Mfg. Co. 262,367, renewed Oct. 8, 1949. O. G. Feb. 7.

Goods made of plastic film: bags, bread bags, etc. S. V. Boland. 443,729, Feb. 7; Serial No. 487,303, published Jan. 13, 1948.

CLASS 3

Suitcases. United States Travelware Corporation. 307,924, Nov. 14, 1933. Republished Feb. 7.

CLASS 4

Petroleum oils, Mixture of. Vacuum Oil Company. 202,638, Sept. 1, 1925. Canceled Jan. 6, 1950. O. G. Feb. 7.

CLASS 5

Cement, Adhesive. The Firestone Tire & Rubber Company. 520,826, Feb. 7; Serial No. 562,129, published Nov. 1, 1949.

Cement, Adhesive rubber. The Holtite Manufacturing Company. 268,569, renewed Mar. 18, 1950. O. G. Feb. 7.

Sheet and web material backed with adhesive, Fibrous. The Gummed Products Company. 520,600, Feb. 7; Serial No. 534,529, published Oct. 19, 1948.

CLASS 6

Addition agent for aqueous acid pickling baths. The Pennsylvania Salt Manufacturing Company. 520,733, Feb. 7; Serial No. 549,661, published Mar. 1, 1949.

Calcium carbonate, Precipitated. Diamond Alkali Company. 520,825, Feb. 7; Serial No. 561,898, published Oct. 18, 1949.

Chemical dehydrating agent. A. T. Race, Jr. Company. 520,782, Feb. 7; Serial No. 558,810, published Oct. 18, 1949.

Chemical liquid preparation. R. H. Pennebaker. 520,790, Feb. 7; Serial No. 559,176, published Oct. 18, 1949.

Chemical product. I. G. Farbenindustrie Aktiengesellschaft. 266,374, Jan. 14, 1930. Republished Feb. 7.

Chemical solvents, Aromatic. Florasynth Laboratories Inc. 267,375, renewed Feb. 18, 1950. O. G. Feb. 7.

Deodorants, Atmospheric. Synco Products Company, Inc. 520,756, Feb. 7; Serial No. 552,897, published Dec. 7, 1948.

Exterminating powder, Insect. See-Jay Exterminating Service, Inc. 520,886, Feb. 7; Serial No. 565,968, published Oct. 4, 1949.

Insecticide, Household. E. B. Coker. 520,601, Feb. 7; Serial No. 534,606, published Sept. 6, 1949.

Preparation for neutralizing objectionable odors. B. F. Natoli. 520,888, Feb. 7; Serial No. 566,239, published Oct. 18, 1949.

Size or coating material. Stein, Hall & Company, Inc. 262,513, Oct. 15, 1929. Republished Feb. 7.

Sizing prepared from starch. Stein, Hall & Company, Inc. 262,621, Oct. 15, 1929. Republished Feb. 7.

Solution for rendering fireproof textiles of all kinds. I. G. Farbenindustrie Aktiengesellschaft. 266,174, Jan. 14, 1930. Republished Feb. 7.

Sulphur. Food Machinery Corporation. 520,659, Feb. 7; Serial No. 546,692, published Oct. 4, 1949.

CLASS 8

Ash trays. J. W. Turullis. 520,876, Feb. 7; Serial No. 564,979, published Oct. 25, 1949.

Ash trays and cigarette boxes. W. & J. Sloane. 520,797, Feb. 7; Serial No. 559,552, published Oct. 25, 1949.

Ash trays, Wall type. B. G. Johnson. 520,951, Feb. 7; Serial No. 560,818.

Flints, Lighter. J. E. Seeman Company, Inc. 520,957, Feb. 7; Serial No. 567,601.

Pipes, Smokers'. The Reiss-Premier Corporation. 520,810, Feb. 7; Serial No. 560,921, published Nov. 1, 1949.

CLASS 9

Springs. The American Steel and Wire Company of New Jersey. 382,104, Oct. 15, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7.

CLASS 10

Basic slag, Ground open hearth. Tennessee Coal, Iron & Railroad Company. 296,780, Aug. 23, 1932. Canceled Jan. 11, 1950. O. G. Feb. 7.

CLASS 11

Carbon paper and carbon ribbons. Kores Carbon Paper & Ribbons Mfg. Corp. 520,843, Feb. 7; Serial No. 562,612, published Nov. 1, 1949.

Ink, Drawing. Keuffel & Esser Company. 443,752, Feb. 7; Serial No. 525,865, published Nov. 1, 1949.

Ink, Drawing. Keuffel & Esser Company. 443,756, Feb. 7; Serial No. 526,249, published Nov. 1, 1949.

Ink, Writing. National Stationers. 520,935, Feb. 7; Serial No. 520,827.

Ribbon, Typewriter, and carbon paper. Underwood Corporation. 520,553, Feb. 7; Serial No. 514,074, published Nov. 1, 1949.

Ribbons, Printing. Clary Multiplier Corporation. 520,960, Feb. 7; Serial No. 568,349.

CLASS 12

Awnings, Metal. D. I. Porter. 520,827, Feb. 7; Serial No. 562,150, published Nov. 1, 1949.

Barn and barnyard equipment. Simplex, Inc. 520,610, Feb. 7; Serial No. 538,318, published Oct. 4, 1949.

Cement, Building. Universal Atlas Cement Company. 292,999, Apr. 5, 1932. Canceled Jan. 11, 1950. O. G. Feb. 7.

Cement, High-temperature. Plibrico Jointless Firebrick Company. 269,699, renewed Apr. 15, 1950. O. G. Feb. 7.

Cement, Hydraulic. North American Cement Corporation. 520,671, Feb. 7; Serial No. 554,250, published Oct. 4, 1949.

Concrete material, Bituminous. The General Crushed Stone Co. 520,704, Feb. 7; Serial No. 556,433, published Oct. 4, 1949.

Concrete materials, Castable refractory. Mexico Refractories Company. 520,624, Feb. 7; Serial No. 541,860, published Sept. 27, 1949.

Construction materials. United Steel Fabricators, Inc. 520,734, Feb. 7; Serial No. 549,992, published Oct. 18, 1949.

Fire-brick. Harbison-Walker Refractories Company. 520,697, Feb. 7; Serial No. 555,931, published Oct. 4, 1949.

Fire-brick. Harbison-Walker Refractories Company. 520,698, Feb. 7; Serial No. 555,943, published Oct. 4, 1949.

Fire brick. Malvern Brick and Tile Company. 520,606, Feb. 7; Serial No. 536,263, published Sept. 14, 1948.

Firebrick. Mexico Refractories Company. 520,626, Feb. 7; Serial No. 541,940, published Sept. 27, 1949.

Flooring, Parquet. Newcastle Industries, Inc. 520,823, Feb. 7; Serial No. 561,853, published Nov. 1, 1949.

Paper laminated with sheet copper. Angier Corporation. 520,588, Feb. 7; Serial No. 531,288, published Mar. 15, 1949.

Plywood, Veneered. Elliott Bay Mill Company. 520,645, Feb. 7; Serial No. 544,434, published Nov. 1, 1949.

Preparation to be used for improving the properties or controlling the setting of cement, mortar, concrete, etc. Kaspar Winkler & Co. 520,766, Feb. 7; Serial No. 553,558, published Sept. 27, 1949.

Prepared materials, to wit: a material comprising sand, gravel, and cement, etc. Gibraltar Floors, Inc. 520,675, Feb. 7; Serial No. 554,560, published Oct. 4, 1949.

Refractory materials, Castable. Mexico Refractories Company. 520,625, Feb. 7; Serial No. 541,863, published Oct. 4, 1949.

Roofing material, Asphalt. Belknap Hardware & Manufacturing Company. 520,725, Feb. 7; Serial No. 548,914, published Sept. 27, 1949.

Steel units, Prefabricated. Tennessee Coal, Iron and Railroad Company. 386,664, Apr. 22, 1941. Canceled Jan. 11, 1950. O. G. Feb. 7.

Stucco. Mission Stucco Co. 520,566, Feb. 7; Serial No. 525,229, published Nov. 1, 1949.

Surfacer, Ready mixed asphalt floor. Rock-Tred Corporation. 520,585, Feb. 7; Serial No. 530,567, published Oct. 25, 1949.

Tile, Plastic wall. Armstrong Cork Company. 520,720, Feb. 7; Serial No. 548,229, published Oct. 4, 1949.

Tiles, Wall. Parichy Roofing and Shingle Company. 520,680, Feb. 7; Serial No. 554,811, published June 21, 1949.

Wall boards, concrete curing compound, rubber asphalt joint sealing compound, etc. American-Marietta Company. 520,669, Feb. 7; Serial No. 554,075, published Oct. 4, 1949.

Window assemblies, Insulating. Insulated Window Company of America. 520,719, Feb. 7; Serial No. 547,993, published Oct. 4, 1949.

CLASS 13

Balls, Flush tank. Scully Rubber Manufacturing Co. 520,943, Feb. 7; Serial No. 544,117.

Boot protectors. John Giles & Sons, Limited. 76,571, re-renewed Feb. 1, 1950. O. G. Feb. 7.

Fasteners, Corrugated joint. The Wire and Steel Products Co., Inc. 384,873, Feb. 4, 1941. Republished Feb. 7.

Fasteners, Separable. Hookless Fastener Company. 263,869, renewed Nov. 12, 1949. O. G. Feb. 7.

Hinges. Chicago Spring Butt Company. 77,295, re-renewed Mar. 29, 1950. O. G. Feb. 7.

Pipes, tubes, and casings, Metal. National Tube Company. 307,073, Oct. 10, 1933. Canceled Jan. 11, 1950. O. G. Feb. 7.

Plates, Metal name. Gustave Fox Company. 269,735, renewed Apr. 15, 1950. O. G. Feb. 7.

Posts, Metal fence. The Pollak Steel Company. 520,932, Feb. 7; Serial No. 512,793.

Screws, bolts, and metal washers. Stronghold Screw Products, Inc. 520,949, Feb. 7; Serial No. 555,022.

Springs for general use. The American Steel and Wire Company of New Jersey. 380,269, Aug. 20, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7.

Toggle bolts. U. S. Expansion Bolt Co. 118,836, Oct. 2, 1917. Canceled Dec. 16, 1949. O. G. Feb. 7.

CLASS 14

Anti-friction or babbitt metal. Findlay & Battle. 46,767, Oct. 10, 1905. Republished Feb. 7.

Wire, Uninsulated metallic. Driver-Harris Wire Co. 77,050, re-renewed Mar. 8, 1950. O. G. Feb. 7.

Wire, Uninsulated metallic, and metallic ribbons. Driver-Harris Wire Co. 77,049, re-renewed Mar. 8, 1950. O. G. Feb. 7.

CLASS 16

Enamel, Paint. Valentine & Company, Inc. 520,667, Feb. 7; Serial No. 553,654, published Oct. 18, 1949.

Lacquer undercoats and enamels, etc. Valentine & Company. 269,547, renewed Apr. 8, 1950. O. G. Feb. 7.

Paint, Flat oil. National Gypsum Company. 520,582, Feb. 7; Serial No. 529,670, published Oct. 19, 1948.

Paint, House. The Eagle-Picher Company. 520,842, Feb. 7; Serial No. 562,548, published Nov. 1, 1949.

Paint in liquid and paste form, paint enamel and screen enamel. Continental Paint & Varnish Co. 520,613, Feb. 7; Serial No. 539,275, published Oct. 18, 1949.

Paint or facing. Schreyer & Michaels. 520,872, Feb. 7; Serial No. 564,907, published Oct. 18, 1949.

Paints, Dry, paste, and ready-mixed, paint enamels, paint thinners and varnishes. The Marvelite Paint Company. 520,676, Feb. 7; Serial No. 554,581, published Oct. 18, 1949.

Paints, paint enamels; lacquers; etc. John Lucas & Company, Incorporated. 520,712, Feb. 7; Serial No. 557,290, published Sept. 20, 1949.

Paints, Ready-mixed. Valentine & Company. 267,754, renewed Feb. 25, 1950. O. G. Feb. 7.

Paris white. Hammill & Gillespie, Inc. 520,740, Feb. 7; Serial No. 550,806, published Oct. 18, 1949.

Primers, surfacers, and lacquers. Valentine & Company. 268,449, renewed Mar. 18, 1950. O. G. Feb. 7.

Varnish oil, Fast kettling pure linseed. Dorward & Sons Co. 520,687, Feb. 7; Serial No. 555,164, published Oct. 18, 1949.

Varnish, varnish stain, pigmented material in the nature of paint, varnish undercoater. The Martin-Senour Company. 520,689, Feb. 7; Serial No. 555,284, published Oct. 18, 1949.

Wax, Liquid polishing. The Great American Tea Company. 520,838, Feb. 7; Serial No. 562,360, published Oct. 11, 1949.

CLASS 17

Cigarettes, smoking tobacco, and cigars. H. E. Shaw Company. 520,706, Feb. 7; Serial No. 559,457, published Nov. 1, 1949.

Cigars. William Boucher & Sons. 263,385, renewed Nov. 5, 1949. O. G. Feb. 7.

Cigars. Jose Escalante & Co. 520,597, Feb. 7; Serial No. 533,808, published June 21, 1949.

Snuff. United States Tobacco Company. 520,741, Feb. 7; Serial No. 550,869, published Nov. 1, 1949.

Tobacco, Pipe. R. R. Tobin Tobacco Co. 520,776, Feb. 7; Serial No. 558,532, published Nov. 1, 1949.

Tobacco, Pipe. R. R. Tobin Tobacco Co. 520,777, Feb. 7; Serial No. 558,534, published Nov. 1, 1949.

Tobacco, Smoking. The American Tobacco Company. 520,703, Feb. 7; Serial No. 556,306, published Nov. 1, 1949.

Tobacco, Smoking and chewing. The American Tobacco Company. 520,801, Feb. 7; Serial No. 559,880, published Nov. 1, 1949.

CLASS 18

Carminative and antacid. Medicinal. John Wyeth & Brother, Incorporated. 265,212, renewed Dec. 17, 1949. O. G. Feb. 7.

Decongestant, Nasal. Crookes Laboratories, Inc. 520,903, Feb. 7; Serial No. 569,354, published Oct. 18, 1949.

Fruit salts. C. Cederroth. 264,662, renewed Dec. 3, 1949. O. G. Feb. 7.

Health conditioner and tonic for poultry. The Philadelphia Seed Company. 266,381, renewed Jan. 14, 1950 O. G. Feb. 7.

Medicine, Laxative. Creomulsion Company. 520,681, Feb. 7; Serial No. 554,955, published Oct. 18, 1949.

Preparation for removing corns, etc. L. R. Pitcher. 406,579, Apr. 11, 1944. Republished Feb. 7.

Preparation for the prevention and relief of hay fever, catarrh, colds, etc. American Drug Corporation. 264,878, renewed Dec. 10, 1949. O. G. Feb. 7.

Preparation for the treatment of vitamin deficiencies, and hydrochloric acid deficiencies, etc. Table Rock Laboratories, Inc. 520,571, Feb. 7; Serial No. 527,429, published Sept. 6, 1949.

Sedative. Bristol Laboratories Inc. 520,769, Feb. 7; Serial No. 557,728, published Oct. 4, 1949.

Solution to be used in the treatment of neurasthenia, asthma, etc. Associated Physicians Laboratories. 520,672, Feb. 7; Serial No. 554,356, published Oct. 4, 1949.

Vitamin concentrate for dogs, foxes and mink. New England Grain Products Co. 520,929, Feb. 7; Serial No. 493,566.

CLASS 19

Accounting offices to be mounted upon the chassis of a self-propelled vehicle, Portable. C. R. Bryant. 259,718, renewed Aug. 6, 1949. O. G. Feb. 7.

CLASS 21

Air cleaners, Electrical ventilating. American Air Filter Company, Inc. 520,952, Feb. 7; Serial No. 562,013.

Antenna. Radio The Ward Products Corporation. 520,945, Feb. 7; Serial No. 546,138.

Apparatus for electrically recording sound upon wire and/or electrically reproducing sound from wire. Webster-Chicago Corporation. 520,711, Feb. 7; Serial No. 556,935, published Oct. 25, 1949.

Batteries, Dry cell, and handlamps. Olin Industries, Inc. 520,665, Feb. 7; Serial No. 553,637, published Oct. 25, 1949.

Chargers, Storage battery. The General Tire & Rubber Company. 520,552, Feb. 7; Serial No. 513,562, published Oct. 25, 1949.

Connectors, Storage battery terminal. Central Manufacturing Co. 520,780, Feb. 7; Serial No. 558,632, published Nov. 1, 1949.

Covers for telephone transmitting and receiving instruments, Plastic. Colorphone, Inc. 520,958, Feb. 7; Serial No. 568,028.

Dictating and sound recording and reproducing apparatus, Electronic. Jonathan Conrow, Inc. 520,770–2, Feb. 7; Serial Nos. 557,905–7, published Nov. 1, 1949.
Electric appliances. Savory Equipment, Inc. 520,729, Feb. 7; Serial No. 549,280, published Nov. 1, 1949.
Electrical apparatus, steel enclosures, electrical switching equipment, etc. Lexington Electric Products Co., Inc. 520,562, Feb. 7; Serial No. 522,179, published Nov. 1, 1949.
Electrical equipment. Furnas Electric Company. 520,767, Feb 7; Serial No. 557,664, published Nov. 1, 1949.
Fixtures, Electric lighting. Neo-Ray Products, Incorporated. 443,744, Feb. 7; Serial No. 520,521, published Nov. 1, 1949.
Hair driers, Portable, drink mixers, phonograph motors, etc. Scovill Manufacturing Company. 520,750, Feb. 7; Serial No. 552,316, published Nov. 1, 1949.
Heater, Electric water. Chore-Boy Milking Machine Company. 520,883, Feb. 7; Serial No. 565,910, published Nov. 1, 1949.
Heaters, Electric water, and electric space heaters. Phillips & Buttorff Manufacturing Company. 520,793, Feb. 7; Serial No. 559,322, published Nov. 1, 1949.
Horns, Electric. E. A. Laboratories, Inc. 520,620, Feb. 7; Serial No. 541,111, published Oct. 25, 1949.
Lamps, Electric, carbon stereopticon bulbs, etc. Faries Manufacturing Company. 520,542, Feb. 7; Serial No. 505,744, published Oct. 25, 1944.
Magnets and magnet assemblages. Dings Magnetic Separator Co. 520,749, Feb. 7; Serial No. 551,870, published Nov. 1, 1949.
Microphones, Contact and magnetic; pick ups; volume controls; etc. H. De Armond. 520,751, Feb. 7; Serial No. 552,346, published Nov. 1, 1949.
Phonographs and parts therefor, Electrical. Audio Industries. 443,732, Feb. 7; Serial No. 497,443, published Nov. 16, 1948.
Pressing irons, Electrically operated clothes. L. M. Stein. 520,791, Feb. 7; Serial No. 559,257, published Oct. 4, 1949.
Radio and telephonic equipment. Dictograph Products Company, Inc. 520,700, Feb. 7; Serial No. 555,996, published Nov. 1, 1949.
Receiving sets, Radio. Gamble Stores, Incorporated. 269,441, renewed Apr. 8, 1950. O. G. Feb. 7.
Recording and reproducing apparatus, Magnetic sound. Amplifier Corp. of America. 520,941, Feb. 7; Serial No. 533,522.
Springs used for electrical purposes. The American Steel and Wire Company of New Jersey. 383,772, Dec. 24, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7.
Stands, Electric fan. W. W. Welch Company. 520,602. Feb. 7; Serial No. 535,205, published Nov. 1, 1949.
Switching apparatus, Electrically operated. Federal Telephone & Radio Corporation. 520,714, Feb. 7; Serial No. 557,350, published Nov. 1, 1949.
Telephone, telegraph, and radio equipment. Fahnestock Electric Company, Inc. 520,841, Feb. 7; Serial No. 562,458, published Nov. 1, 1949.
Wire, rods, and strands, Resistance. Driver-Harris Company. 268,559–60, renewed Mar. 18, 1950. O. G. Feb. 7.

CLASS 22

Dart game. C. R. Walter. 520,938, Feb. 7; Serial No. 525,462.
Fishing reels. H. Kneubühler. 520,956, Feb. 7; Serial No. 567,350.
Golf clubs. The Beckley-Ralston Co. 259,367, renewed July 30, 1949. O. G. Feb. 7.
Golf clubs. The Beckley-Ralston Co. 261,297, renewed Sept. 17, 1949. O. G. Feb. 7.
Golf clubs. Reynolds Metals Company. 520,965, Feb. 7; Serial No. 571,489.
Leaders, Fishing line. Mason Tackle. 520,947–8, Feb. 7; Serial Nos. 553,882–3.
Toy pistols and guns; darts; dice cups, etc. J. L. Galef & Son, Inc. 520,551, Feb. 7; Serial No. 513,404, published Oct. 18, 1949.

CLASS 23

Air compressors, motor driven air compressor units, engine driven air compressor units, etc. American Brake Shoe Company. 520,798, Feb. 7; Serial No. 557,717, published Oct. 11, 1949.
Bearings for shafts and similar machine elements. General Motors Corporation. 264,995, renewed Dec. 10, 1949. O. G. Feb. 7.
Bearings, Roller and their parts. Norma-Hoffmann Bearings Corporation. 520,696, Feb. 7; Serial No. 555,889, published Oct. 25, 1949.
Blades, Razor. Probak Corporation. 263,268–9, renewed Nov. 5, 1949. O. G. Feb. 7.
Blades, Razor. Ruble Blade Corporation. 264,062, renewed Nov. 19, 1949. O. G. Feb. 7.
Blades, Straight and circular knife. Hyde Manufacturing Company. 326,953, Aug. 13, 1935. Republished Feb. 7.
Blowguns, and blowguns, and sprayer nozzles therefor, as a unit. New Haven Vibrator Company. 520,603, Feb. 7; Serial No. 535,500, published Oct. 11, 1949.
Boring, drilling and milling machines and parts thereof, Horizontal. Lucas Machine Tool Company. 520,715, Feb. 7; Serial No. 557,540, published Oct. 25, 1949.
Chains, Sprocket drive. The Jeffrey Manufacturing Company. 520,604, Feb. 7; Serial No. 535,710, published Oct. 4, 1949.
Closures for exhaust pipes of fuel operated engines. Waterloo Foundry Company. 520,934, Feb. 7; Serial No. 513,484.
Differential mechanisms and parts thereof, gears and pinions, etc. Republic Gear Company. 520,808, Feb. 7; Serial No. 560,659, published Oct. 4, 1949.
Dishwashers. Waterpower. Cameron Corporation. 520,950, Feb. 7; Serial No. 559,087.
Drives, Mechanical speed reduction. The American Pulley Company. 520,630, Feb. 7; Serial No. 542,501, published Nov. 1, 1949.
Fire extinguishers, Portable hand. Buffalo Fire Appliance Corporation. 520,717, Feb. 7; Serial No. 547,969, published Nov. 1, 1949.
Hardware goods, steel agricultural forks. Van Camp Hardware & Iron Company. 520,618, Feb. 7; Serial No. 540,498, published Oct. 18, 1949.
Knives, Putty and scrapers and seam rollers. Hyde Manufacturing Company. 367,416, May 16, 1939. Republished Feb. 7.
Lawnmowers, and enameled and aluminum ladies. The Cussins and Fearn Company. 520,753, Feb. 7; Serial No. 552,578, published Oct. 11, 1949.
Lawnmowers, Power-driven and manually operated. The Cussins and Fearn Company. 520,744, Feb. 7; Serial No. 551,367, published Oct. 11, 1949.
Machines, attachments, and tools. The Wade Tool Co. 520,543, Feb. 7; Serial No. 506,622, published Nov. 1, 1949.
Machines; plain and ratchet operated threaders; pipe vises; etc. The Toledo Pipe Threading Machine Company. 520,574, Feb. 7; Serial No. 528,533, published Oct. 25, 1949.
Mallets and spring winders. Greene, Tweed & Co. 520,754, Feb. 7; Serial No. 552,768, published Oct. 11, 1949.
Power and hand operated machines. Heaton-Peninsular Button Fastener Co. 76,998, re-renewed Mar. 1, 1950. O. G. Feb. 7.
Pulley blocks, detachable capstans, pike poles, etc. A. B. Chance Company. 520,611, Feb. 7; Serial No. 538,720, published Nov. 1, 1949.
Purifier machine, clarifier machine, portable mobile filtering machine, etc. Honan-Crane Corporation. 520,560, Feb. 7; Serial No. 520,166, published Nov. 1, 1949.
Rolling pins. H. F. Thorpe. 520,743, Feb. 7; Serial No. 551,208, published Oct. 11, 1949.
Shears, scissors, hatchets, etc. Girl Scouts. 269,973, renewed Apr. 22, 1950. O. G. Feb. 7.
Springs. The American Steel and Wire Company of New Jersey. 381,841, Oct. 8, 1940. Canceled Jan. 11, 1950. O. G. Feb. 7.
Stapling machines. Markwell Manufacturing Company, Inc. 520,800, Feb. 7; Serial No. 559,720, published Nov. 1, 1949.
Stitching machines, Wire. Ordnance Gauge Company. 520,650, Feb. 7; Serial No. 545,877, published Oct. 11, 1949.
Tap-supporting devices and tapping attachments and parts thereof. Eastern Tube and Tool Co. Inc. 264,327, renewed Nov. 26, 1949. O. G. Feb. 7.
Tractors. The Fate-Root-Heath Company. 324,591, May 21, 1935. Corrected. O. G. Feb. 7.
Tractors, Farm. United Associates, Inc. 520,673, Feb 7; Serial No. 554,446, published Oct. 11, 1949.
Weeder-mulcher-cultivators. The Barker Manufacturing Company. 520,788, Feb. 7; Serial No. 559,131, published Nov. 1, 1949.

CLASS 25

Locks, keys, and parts of locks. Best Universal Lock Co. 520,548–50, Feb. 7; Serial Nos. 513,382–4, published Oct. 4, 1949.

CLASS 26

Apparatus for registering and recording the number of articles processed by associated mass production machinery. Lansing Engineering Company. 520,944, Feb. 7; Serial No. 544,268.
Film, Motion picture film strips, and picture slides. Children's Productions. 520,593, Feb. 7; Serial No. 532,428, published Sept. 20, 1949.
Laboratory apparatus. The L. D. Caulk Company. 520,815, Feb. 7; Serial No. 561,368, published Sept. 20, 1949.
Machines for testing the tensile strength of the adhesive union of fabrics adhesively bonded together. The Kendall Company. 520,746, Feb. 7; Serial No. 551,638, published Sept. 20, 1949.
Meters and gauges, Indicating and recording pressure and temperature barometers, vacuum pressure temperature indicators, etc. Sydney Smith & Sons. 520,732, Feb. 7; Serial No. 549,589, published Sept. 20, 1949.
Mounting machines, Photographic dry, photographic cameras, photographic enlargers, etc. The Adhesive Dry Mounting Company, Limited. 520,783, Feb. 7; Serial No. 558,839, published Sept. 20, 1949.
Numbering machines. The Bates Manufacturing Company. 269,975, renewed Apr. 22, 1950. O. G. Feb. 7.
Optical goods. N. G. Gerry. 520,819, Feb. 7; Serial No. 561,621, published Sept. 20, 1949.

Photographic materials and equipment. Charles Bruning Company, Inc. 520,824, Feb. 7; Serial No. 561,881, published Sept. 20, 1949.
Projectors, Motion picture. Bell & Howell Company. 520,579, Feb. 7; Serial No. 529,564, published Apr. 5, 1949.
Projectors, Motion picture. Bell & Howell Company. 520,580, Feb. 7; Serial No. 529,576, published Apr. 5, 1949.
Projectors, Motion picture. Bell & Howell Company. 520,581, Feb. 7; Serial No. 529,579, published Apr. 5, 1949.
Projectors, Still picture. Bell & Howell Company. 520,578, Feb. 7; Serial No. 529,555, published Apr. 5, 1949.
Protractors. F. H. Parks. 520,964, Feb. 7; Serial No. 571,378.
Squares, Mechanics'. G. L. Breul. 520,803, Feb. 7; Serial No. 559,900, published Sept. 20, 1949.
Switches or valves, Temperature, pressure, liquid level, or time measuring and controlling. Minneapolis-Honeywell Regulator Company. 520,570, Feb. 7; Serial No. 527,242, published Sept. 20, 1949.
Tape measures. The Lufkin Rule Company. 520,586, Feb. 7; Serial No. 530,659, published Sept. 20, 1949.
Taxi-meters. Dayton Taximeter Corporation. 520,955, Feb. 7; Serial No. 567,240.
Testers, Headlight, wheel aligners, gauges, etc. Kent-Moore Organization Inc. 520,758, Feb. 7; Serial No. 552,986, published Sept. 20, 1949.

CLASS 27

Watches and chronometers, watch movements, watch cases, etc. Societe Anonyme Mido. 225,024, Mar. 8, 1927. Republished Feb. 7.
Watches and parts of watches. S. A. Nisus. 520,911, Feb. 7; Serial No. 575,284, published Nov. 1, 1949.
Watches and watch movements. W. E. Singer. 520,915, Feb. 7; Serial No. 575,496, published Nov. 1, 1949.
Wrist watches. M. Robbin. 520,912–14, Feb. 7; Serial Nos. 575,435–7, published Nov. 1, 1949.

CLASS 28

Bracelets, Wristwatch, watch straps, watch attachments, neck chains, etc. Gemex Company. 267,139, Feb. 11, 1930. Republished Feb. 7.
Hollow-ware, Silver-plated. Reed & Barton. 520,670, Feb. 7; Serial No. 554,162, published Nov. 1, 1949.
Jewelry, Garné Jewelry. 520,909, Feb. 7; Serial No. 571,800, published Nov. 1, 1949.
Jewelry, Costume. Kramer Jewelry Creations, Inc. 520,954, Feb. 7; Serial No. 564,818.

CLASS 29

Brushes, Artists' paint. Winsor & Newton Limited. 520,668, Feb. 7; Serial No. 553,999, published Nov. 1, 1949.
Brushes, Hair. The Fuller Brush Company. 520,726, Feb. 7; Serial No. 548,949, published Oct. 18, 1949.
Brushes, Paint. Inman Brush Co. 520,874, Feb. 7; Serial No. 564,946, published Oct. 18, 1949.
Kits, Shoe-shining. 2 in 1-Shinola-Bixby Corporation, 269,635, renewed Apr. 15, 1950. O. G. Feb. 7.
Mittens used as paint applicators. The Arco Company. 520,946, Feb. 7; Serial No. 547,962.
Mops, Dust. Perfection Mop Co. 520,930, Feb. 7; Serial No. 505,981.
Paintbrushes, Flat, round paintbrushes, etc. Samuel M. Dell & Co., Inc. 263,386, renewed Nov. 5, 1949. O. G. Feb. 7.
Toothbrushes. The Great American Tea Company. 520,738, Feb. 7; Serial No. 550,691, published Oct. 18, 1949.

CLASS 30

Goods made wholly or in part of crockery or porcelain. Georg Jensen, Inc. 520,540, Feb. 7; Serial No. 504,362, published Oct. 4, 1949.
Plates, China, and china bowls. The Rockwell Silver Company. 520,546, Feb. 7; Serial No. 510,727, published Oct. 4, 1949.
Porcelain parts, Porous absorbent. The Star Porcelain Company. 520,854, Feb. 7; Serial No. 562,967, published Sept. 20, 1949.

CLASS 31

Compressors and condensing units, Electric, water coolers, and ice cream cabinets. Melchior, Armstrong, Dessau Co. of Delaware, Inc. 520,907, Feb. 7; Serial No. 571,337, published Nov. 1, 1949.
Coolers, Drinking water. M. M. Fibus. 520,820, Feb. 7; Serial No. 561,739, published Sept. 20, 1949.
Coolers, Portable water. Jackes-Evans Manufacturing Company. 520,572, Feb. 7; Serial No. 527,700, published Sept. 20, 1949.
Diatomaceous earth. Great Lakes Carbon Corporation. 520,848, Feb. 7; Serial No. 562,701, published Sept. 20, 1949.
Diatomaceous earth for use as a filter aid. Great Lakes Carbon Corporation. 520,849, Feb. 7; Serial No. 562,704, published Sept. 20, 1949.
Filter underdrain systems, or parts thereof. Infilco Incorporated. 520,804, Feb. 7; Serial No. 559,980, published Sept. 20, 1949.
Filters, Crimped screen air. Farr Company. 520,573, Feb. 7; Serial No. 527,963, published Oct. 18, 1949.
Filters, Fluid, and fluid demulsifiers. Bendix Aviation Corporation. 520,623, Feb. 7; Serial No. 541,254, published Sept. 27, 1949.
Freezers, Household food. The De Laval Separator Company. 443,738, Feb. 7; Serial No. 512,490, published Mar. 8, 1949.
Ion exchange materials, Synthetic resinous. Chemical Process Company. 520,587, Feb. 7; Serial No. 531,017, published Sept. 27, 1940.
Refrigerator equipment, refrigerator parts, and accessories therefor. Borg-Warner Corporation. 520,816, Feb. 7; Serial No. 561,442, published Oct. 25, 1949.
Refrigerator equipment, refrigerator parts, and accessories therefor. Borg-Warner Corporation. 520,837, Feb. 7; Serial No. 562,315, published Oct. 25, 1949.
Refrigerators, Electric. Perfection Manufacturing Corporation. 443,740, Feb. 7; Serial No. 514,062, published Sept. 27, 1949.
Refrigerators, Electric domestic. Sears, Roebuck and Co. 520,794, Feb. 7; Serial No. 559,350, published Oct. 4, 1949.
Refrigerators, Household electric. Avco Manufacturing Corporation. 520,869, Feb. 7; Serial No. 564,705, published Nov. 1, 1949.
Refrigerators, Liquefied petroleum gas burning. Green's Fuel, Inc. 520,898, Feb. 7; Serial No. 568,018, published Oct. 25, 1949.
Refrigerators, Mechanically operated. Avco Manufacturing Corporation. 443,746, Feb. 7; Serial No. 522,038, published Mar. 8, 1949.
Resins, Complex synthetic. Monsanto Chemical Company. 520,617, Feb. 7; Serial No. 540,195, published Oct. 18, 1949.
Water softening apparatus. The Lindsay Company. 520,906, Feb. 7; Serial No. 570,424, published Nov. 1, 1949.
Water treatment apparatus, Base exchange. Automatic Pump & Softener Corporation. 443,747, Feb. 7; Serial No. 523,451, published Oct. 18, 1949.

CLASS 32

Back bars, Soda fountain, and soda fountain counters. Robert M. Green & Sons, Inc. 520,674, Feb. 7; Serial No. 554,486, published Oct. 25, 1949.
Beds, Baby, high chairs, and nursery training chairs. Rochelle Furniture Mfg. Co. 520,705, Feb. 7; Serial No. 556,486, published Oct. 4, 1949.
Box springs, mattresses, and divans. The Waterbury Mattress Co. 520,622, Feb. 7; Serial No. 541,237, published Oct. 4, 1949.
Chairs, Upholstered. Contour Chair-Lounge Co. Inc. 520,737, Feb. 7; Serial No. 550,673, published Nov. 1, 1949.
Cots, Canvas army, steel folding cots, lawn furniture, etc. Henry Modell & Co., Inc. 520,621, Feb. 7; Serial No. 541,159, published Oct. 4, 1949.
Counters, Sales. Mal-Art Inc. 520,678, Feb. 7; Serial No. 554,680, published Oct. 25, 1949.
Cushions, Furniture, furniture seats, pillows, etc. Super-Foam Company. 520,959, Feb. 7; Serial No. 568,223.
Desks, tables, telephone stands, etc. The General Fireproofing Company. 520,811, Feb. 7; Serial No. 560,998, published Oct. 25, 1949.
Equipment and supplies, Office. Cronstroms Heating and Sheet Metal Works, Inc. 520,694, Feb. 7; Serial No. 555,830, published Oct. 18, 1949.
Furniture, Kensington, Incorporated. 520,786, Feb. 7; Serial No. 559,101, published Oct. 18, 1949.
Furniture, Kensington, Incorporated. 520,787, Feb. 7; Serial No. 559,103, published Oct. 18, 1949.
Furniture. S. A. F. F. A.; S. A. Fabbriche Flammiferied Affini. 443,745, Feb. 7; Serial No. 520,771, published Oct. 18, 1949.
Mattresses. A. Brandwein & Company. 520,861, Feb. 7; Serial No. 563,303, published Oct. 25, 1949.
Mattresses. W. B. Smith. 520,860, Feb. 7; Serial No. 563,286, published Oct. 25, 1949.
Mattresses, Felt, innerspring mattresses, box springs, and coil springs. The Mebane Company. 520,839, Feb. 7; Serial No. 562,380, published Oct. 11, 1949.
Slip-overs, Furniture, and other furniture covers. Morton Sundour Fabrics Limited. 428,465, Mar. 25, 1947. Republished Feb. 7.
Springs. Simmons Company. 520,818, Feb. 7; Serial No. 561,525, published Oct. 25, 1949.
Tables, Wooden. Baker Furniture, Inc. 520,598, Feb. 7; Serial No. 533,815, published Oct. 25, 1949.
Upholstery, pillow and mattress springs, and spring units. Chicago Spring Products Co. 520,840, Feb. 7; Serial No. 562,449, published Oct. 25, 1949.

CLASS 33

Glasses, Liqueur. Maude B. May Co. (Not Inc.). 520,616, Feb. 7; Serial No. 539,887, published Sept. 20, 1949.
Plates, Glass, and glass bowls. The Rockwell Silver Company. 520,547, Feb. 7; Serial No. 510,728, published Oct. 4, 1949.
Tableware, Glass. H. I. Kleinberg. 520,639, Feb. 7; Serial No. 542,851, published Oct. 4, 1949.

CLASS 34

Air cooling and conditioning units and parts thereof; mechanical air ventilator units. Consolidated Distributors' Engineering Corporation. 443,748, Feb. 7; Serial No. 523,886, published Oct. 4, 1949.

Blowers and ventilating fan units. V. E. Sprouse Company, Inc. 520,614, Feb. 7; Serial No. 539,361, published Oct. 25, 1949.

Boilers, Heating and hot water combination. S. T. Johnson Co. 443,734, Feb. 7; Serial No. 506,817, published Sept. 20, 1949.

Burners and boilers, Oil. Greene & Hodgson, Inc. 520,706, Feb. 7; Serial No. 556,575, published Oct. 25, 1949.

Burners, Gas. Heatbath Appliances, Inc. 520,731, Feb. 7; Serial No. 549,438, published Oct. 25, 1949.

Burners, Oil. Holland-Colombo Trading Society, Inc. 520,643, Feb. 7; Serial No. 543,606, published Oct. 4, 1949.

Burners, Oil, and oil-burning furnaces of all kinds. Simplex Oil Heating Corporation. 520,640, Feb. 7; Serial No. 542,887, published Nov. 1, 1949.

Burners, Rotary oil, gun-type oil burners, etc. York-Shipley, Inc. 520,615, Feb. 7; Serial No. 539,587, published Oct. 25, 1949.

Cutting and welding apparatus, and components thereof, Flame. National Cylinder Gas Company. 520,653, Feb. 7; Serial No. 546,413, published Feb. 8, 1949.

Distributors, Non-segregating. A. J. Stock. 520,863, Feb. 7; Serial No. 563,876, published Oct. 25, 1949.

Fans and blowers. Acorn Machinery Corporation. 520,647, Feb. 7; Serial No. 544,677, published Apr. 19, 1949.

Fans and blowers. Westinghouse Electric Corporation. 520,722, Feb. 7; Serial No. 548,305, published Sept. 20, 1949.

Fans, Window and attic. Bar-Brook Manufacturing Company, Inc. 520,692, Feb. 7; Serial No. 555,587, published Oct. 4, 1949.

Flints, Sparking metal. New Process Metals Corporation. 520,759, Feb. 7; Serial No. 553,005, published Oct. 25, 1949.

Furnaces, boilers, water heaters, etc. The Timken-Detroit Axle Company. 520,591, Feb. 7; Serial No. 531,549, published Sept. 27, 1949.

Grain dryers, and accessories therefor, Thermal type. The Wright and Shipley Corporation. 520,742, Feb. 7; Serial No. 551,151, published Nov. 1, 1949.

Heat exchangers. The Lummus Company. 520,899, Feb. 7; Serial No. 568,317, published Oct. 18, 1949.

Heaters, Airtite, stove pipe drum ovens, etc. Inland Steel Products Company. 520,735, Feb. 7; Serial No. 550,508, published Oct. 25, 1949.

Heaters, Automatic instantaneous gas fired water. Luxra Company. 520,654, Feb. 7; Serial No. 546,503, published Oct. 4, 1949.

Heaters, Coal-fired space, and cooking ranges, automatic stokers, etc. Red Jacket Coal Sales Company. 520,747, Feb. 7; Serial No. 551,657, published Oct. 4, 1949.

Heaters, Liquefied petroleum gas burning space, liquefied petroleum gas burning water heaters, etc. Green's Fuel, Inc. 520,897, Feb. 7; Serial No. 568,017, published Oct. 18, 1949.

Heaters, Self-contained oil burning space. York-Shipley, Inc. 520,931, Feb. 7; Serial No. 507,668.

Heaters, Water. H. H. McDaniel. 520,683, Feb. 7; Serial No. 554,992, published Oct. 25, 1949.

Lamps, Safety flame. Koehler Manufacturing Company. 520,901, Feb. 7; Serial No. 569,074, published Nov. 1, 1949.

Lanterns and mantles. The Coleman Company, Inc. 520,905, Feb. 7; Serial No. 569,552, published Nov. 1, 1949.

Lighting devices. Modern Engineering Company, Inc. 520,684, Feb. 7; Serial No. 555,066, published Nov. 1, 1949.

Machines for the flame working of metals. The Linde Air Products Company. 520,607, Feb. 7; Serial No. 536,478, published Oct. 4, 1949.

Oil-burning apparatus. Whale Products Corp. 520,900, Feb. 7; Serial No. 568,416, published Oct. 25, 1949.

Ovens and parts thereof, Industrial. The Foundry Equipment Company. 520,730, Feb. 7; Serial No. 549,381, published May 31, 1949.

Ovens, Baking and drying ovens. Despatch Oven Company. 520,896, Feb. 7; Serial No. 567,454, published Oct. 18, 1949.

Paneling, Lensed light transmissive, lensed glassware, and lensed plastic ware. Luminator, Inc. 520,691, Feb. 7; Serial No. 555,547, published Oct. 4, 1949.

Pipe, Furnace, and fittings for warm air furnaces and air conditioning apparatus. The Sioux Steel Co. 520,713, Feb. 7; Serial No. 557,314, published Oct. 18, 1949.

Ranges, Gas, coal, and kerosene-fired cooking, gas-heated hot plates, gas-fired bathroom heaters, etc. The Cussins and Fearn Company. 520,761, Feb. 7; Serial No. 553,178, published Oct. 4, 1949.

Stoves and ranges. Cribben and Sexton Company. 520,656, Feb. 7; Serial No. 546,656, published Sept. 27, 1949.

Stoves and ranges. Cribben and Sexton Company. 520,657, Feb. 7; Serial No. 546,660, published Sept. 20, 1949.

Stoves and ranges. Cribben and Sexton Company. 520,658, Feb. 7; Serial No. 546,665, published Sept. 20, 1949.

Stoves, Camp. W. E. Leake Company, Incorporated. 520,595, Feb. 7; Serial No. 532,709, published Oct. 25, 1949.

Stoves, Coal, stokers, and oil burners. Stratton & Terstegge Company. 520,666, Feb. 7; Serial No. 553,648, published Oct. 18, 1949.

Stoves, wood and coal ranges, and oil marine ranges. Washington Stove Works. 520,890, Feb. 7; Serial No. 566,280, published Oct. 18, 1949.

Torches, Blow, and plumbers' solder furnaces. S. F. Appliances, Limited. 520,875, Feb. 7; Serial No. 564,973, published Sept. 6, 1949.

Torches, Welding, cutting torches, brazing torches, etc. The Liquid Carbonic Corporation. 520,576-7, Feb. 7; Serial Nos. 529,065-6, published Dec. 7, 1948.

Tubing for heat exchange purposes, Finned. David E. Kennedy, Inc. 520,685, Feb. 7; Serial No. 555,108, published Oct. 4, 1949.

Ventilators. E. A. Maim. 520,789, Feb. 7; Serial No. 559,164, published Oct. 25, 1949.

Welding and cutting apparatus and supplies, Gas. National Cylinder Gas Company. 520,662, Feb. 7; Serial No. 547,022, published Sept. 20, 1949.

Welding and cutting equipment, Oxy-acetylene. Marquette Manufacturing Co. Inc. 520,589, Feb. 7; Serial No. 531,344, published Oct. 4, 1949.

Wicks. Raybestos-Manhattan, Inc. 520,893, Feb. 7; Serial No. 567,277, published Oct. 18, 1949.

CLASS 35

Belting. Eastern States Farmers' Exchange. 520,904, Feb. 7; Serial No. 569,367, published Oct. 25, 1949.

Belting, hose, machinery packing. Triangle Rubber Co., Inc. 520,710, Feb. 7; Serial No. 556,852, published Oct. 4, 1949.

Belting, Leather. Armour and Company. 520,641, Feb. 7; Serial No. 543,398, published Oct. 18, 1949.

Belting, Leather, and leather packing. Page Belting Company. 520,679, Feb. 7; Serial No. 554,810, published Sept. 20, 1949.

Belting, Power transmission. Browning Manufacturing Company. 520,887, Feb. 7; Serial No. 566,024, published Oct. 18, 1949.

Belts and belting. Boston Woven Hose & Rubber Company. 520,757, Feb. 7; Serial No. 552,937, published Sept. 20, 1949.

Belts for machinery, Driving. Multiple V-Belt Drive and Mechanical Power Transmission Association. 520,927, Feb. 7; Serial No. 565,075, published Oct. 4, 1949.

Gaskets and parts thereof. Victor Manufacturing & Gasket Co. 520,609, Feb. 7; Serial No. 537,956, published Sept. 20, 1949.

Gaskets, Cylinder head and manifold. The Fitzgerald Manufacturing Company. 520,880, Feb. 7; Serial No. 565,182, published Oct. 4, 1949.

Gaskets, nonmetallic washers, rings and packings, etc. Armstrong Cork Company. 520,565, Feb. 7; Serial No. 524,936, published Sept. 6, 1949.

Gaskets, washers, rings, etc. Armstrong Cork Company. 520,728, Feb. 7; Serial No. 549,209, published Sept. 20, 1949.

Hose, Garden. The Cussins and Fearn Company. 520,762, Feb. 7; Serial No. 553,181, published Sept. 20, 1949.

Packing for the wearing and bearing parts of machines. Greene, Tweed & Co. 520,867, Feb. 7; Serial No. 564,620, published Oct. 4, 1949.

Patches, Tire and tube repair. Fritzsche Tire & Reliner Company. 520,563, Feb. 7; Serial No. 523,256, published Oct. 4, 1949.

Tires and tubes, Automobile pneumatic. Abel Sales Corporation. 377,606, May 7, 1940. Republished Feb. 7.

Tires and tubes, Bicycle. W. T. Grant Company. 520,862, Feb. 7; Serial No. 563,612, published Oct. 4, 1949.

Tires, Elastic vehicle, auto flaps, reliners, etc. Seiberling Rubber Company. 520,891, Feb. 7; Serial No. 566,954, published Oct. 18, 1949.

Tires, Vehicle. Western Auto Supply Company. 520,836, Feb. 7; Serial No. 562,233, published Oct. 4, 1949.

Washers for nails, tacks, and screws, Nonmetallic. The Gora-Lee Corporation. 520,721, Feb. 7; Serial No. 548,252, published Oct. 4, 1949.

Washers, Non-metallic faucet. Scully Rubber Mfg. Co. 520,885, Feb. 7; Serial No. 565,967, published Oct. 4, 1949.

CLASS 36

Guitars, Hawaiian and Spanish amplifying and electric, and guitar accessories. Valco Manufacturing Company. 443,739, Feb. 7; Serial No. 513,279, published Jan. 25, 1949.

Pianos. The Aeolian Company. 74,959, Aug. 24, 1909. Republished Feb. 7.

Records, Grooved phonograph. P. Barrett. 520,802, Feb. 7; Serial No. 559,899, published Oct. 11, 1949.

Strings for plucked and hammered musical instruments. Armour and Company. 269,890, renewed Apr. 22, 1950. O. G. Feb. 7.

CLASS 37

Binders for books, Tubular plastic. Plastic Binding Corporation. 520,567, Feb. 7; Serial No. 525,676, published Oct. 11, 1949.

Blankets, Ice, and paper nursery blankets of parchment paper. Kalamazoo Vegetable Parchment Co. 520,828, Feb. 7; Serial No. 562,193, published Oct. 11, 1949.

Cards, File and classification. Film 'N File, Inc. 520,724, Feb. 7; Serial No. 548,647, published Sept. 20, 1949.

Cards, File, and folders. Koller & Smith Co., Inc. 520,852, Feb. 7; Serial No. 562,714, published Oct. 4, 1949.

Crepe paper, gummed reinforcements, and partially printed labels. Dennison Manufacturing Company. 520,765, Feb. 7; Serial No. 553,473, published Oct. 11, 1949.

Decalcomania paper. Mid-States Gummed Paper Co. 520,663, Feb. 7; Serial No. 547,407, published Oct. 18, 1949.

Desk sets and accessories. Georg Jensen, Inc. 520,541, Feb. 7; Serial No. 504,364, published Oct. 11, 1949.

Holders, Album photograph, and photographic mountings. R. E. Herrick. 520,745, Feb. 7; Serial No. 551,451, published Oct. 25, 1949.

Mats, Place. The Ullman Company Inc. 443,741, Feb. 7; Serial No. 515,143, published Sept. 27, 1949.

Napkins, Embossed folded paper. Hoffmaster Paper Company, Inc. 520,592, Feb. 7; Serial No. 532,136, published Sept. 27, 1949.

Packets and folders, Paper. Western Tablet & Stationery Corporation. 443,755, Feb. 7; Serial No. 526,166, published Oct. 25, 1949.

Pads, Writing. Uarco Incorporated. 520,596, Feb. 7; Serial No. 532,771, published Sept. 13, 1949.

Paper. Packaging Industries Limited. 443,730, Feb. 7; Serial No. 491,994, published Sept. 13, 1949.

Paper, Bond. Carpenter Paper Company. 520,858-9, Feb. 7; Serial Nos. 563,235-6, published Oct. 4, 1949.

Paper, Bond. Kalamazoo Vegetable Parchment Co. 520,833, Feb. 7; Serial No. 562,202, published Oct. 11, 1949.

Paper, Bond. Kalamazoo Vegetable Parchment Co. 520,835, Feb. 7; Serial No. 562,204, published Oct. 11, 1949.

Paper, Bond, ledger, writing, map, book, index and onionskin, boxed stationery, etc. Neenah Paper Company. 520,736, Feb. 7; Serial No. 550,542, published Oct. 25, 1949.

Paper, Bond, second sheets. Kalamazoo Vegetable Parchment Co. 520,834, Feb. 7; Serial No. 562,203, published Oct. 11, 1949.

Paper, Drawing, tracing paper, tracing cloth, etc. Keuffel & Esser Company. 443,751, Feb. 7; Serial No. 525,864, published Sept. 27, 1949.

Paper, Flocked. Sherman Paper Products Corporation. 520,866, Feb. 7; Serial No. 564,469, published Oct. 11, 1949.

Paper, Glassine. Deerfield Glassine Company. 520,590, Feb. 7; Serial No. 531,445, published Sept. 27, 1949.

Paper, Kraft wrapping. Southern Advance Bag & Paper Co. Inc. 520,544, Feb. 7; Serial No. 508,861, published Oct. 11, 1949.

Paper, Self-sealing waxed. Kalamazoo Vegetable Parchment Co. 520,832, Feb. 7; Serial No. 562,200, published Oct. 11, 1949.

Paper, Wrapping. Kalamazoo Vegetable Parchment Co. 520,822, Feb. 7; Serial No. 561,833, published Oct. 11, 1949.

Paper, Wrapping. Kalamazoo Vegetable Parchment Co. 520,829, Feb. 7; Serial No. 562,194, published Oct. 11, 1949.

Paper, Wrapping. Kalamazoo Vegetable Parchment Co. 520,830, Feb. 7; Serial No. 562,195, published Oct. 25, 1949.

Paper, Writing. Montag Brothers, Inc. 520,555, Feb. 7; Serial No. 519,675, published Oct. 25, 1949.

Paper, Writing. Montag Brothers, Inc. 520,556, Feb. 7; Serial No. 519,676, published Oct. 11, 1949.

Paper, Writing. Montag Brothers, Inc. 520,557, Feb. 7; Serial No. 519,678, published Oct. 11, 1949.

Paper, Writing. Montag Brothers, Inc. 520,558, Feb. 7; Serial No. 519,682, published Oct. 25, 1949.

Paper, Writing. Montag Brothers, Inc. 520,559, Feb. 7; Serial No. 519,684, published Oct. 11, 1949.

Paper, Writing and printing. J. T. Underwood. 77,383, re-renewed Apr. 5, 1950. O. G. Feb. 7.

Paper, Writing, and wrapping paper. Kalamazoo Vegetable Parchment Co. 520,821; Feb. 7; Serial No. 561,829, published Oct. 11, 1949.

Papers, Laminated moisture-proof. Kalamazoo Vegetable Parchment Co. 520,831, Feb. 7; Serial No. 562,197, published Oct. 25, 1949.

Papers, Writing and printing, and mailing envelopes and blank cards. Old Colony Envelope Company. 520,660-1, Feb. 7; Serial Nos. 546,922-3, published Oct. 11, 1949.

Pens, Fountain, and mechanical pencils. Oak Ridge Manufacturing Company. 520,785, Feb. 7; Serial No. 558,914, published Sept. 20, 1949.

Pens, Fountain, mechanical pencils, and parts thereof. L. E. Waterman Company. 443,736, Feb. 7; Serial No. 509,185, published Oct. 4, 1949.

Tablets, Paper, account, data and order books, loose writing paper, etc. Western Tablet & Stationery Corporation. 443,754, Feb. 7; Serial No. 526,058, published Oct. 18, 1949.

Tablets, Paper, envelopes, and paper packets, and folders. Western Tablet & Stationery Corporation. 443,753, Feb. 7; Serial No. 526,033, published Sept. 27, 1949.

Tablets, Paper, papeteries. Western Tablet & Stationery Corporation. 520,608, Feb. 7; Serial No. 537,112, published Oct. 25, 1949.

Tags, Shipping. American Tag Company. 269,844, renewed Apr. 22, 1950. O. G. Feb. 7.

Tissue, Toilet, and facial tissues. Crown Zellerbach Corporation. 520,629, Feb. 7; Serial No. 542,009, published Oct. 25, 1949.

Tissues, Paper facial, paper napkins, paper towels, etc. Crown Zellerbach Corporation. 520,628, Feb. 7; Serial No. 542,008, published Oct. 25, 1949.

Towels, Paper. Crown Zellerbach Corporation. 520,569, Feb. 7; Serial No. 527,206, published Oct. 25, 1949.

Wallpaper, poster papers and boards, etc. The Sherwin-Williams Company. 443,750, Feb. 7; Serial No. 524,738, published Sept. 20, 1949.

CLASS 38

Periodical. William B. Dana Company. 269,031, renewed Mar. 25, 1950. O. G. Feb. 7.

Periodical. William B. Dana Company. 269,848, renewed Apr. 22, 1950. O. G. Feb. 7.

Periodical. William B. Dana Company. 269,850, renewed Apr. 22, 1950. O. G. Feb. 7.

Printed material. Thomsen - Ellis - Hutton Company. 410,490, Nov. 28, 1944. Republished Feb. 7.

Reproductions of pictures, photographs, drawings, etc. Thomsen-Ellis Company. 190,692, Oct. 21, 1924. Republished Feb. 7.

CLASS 39

Boots and shoes. A. Atmanspacher. 264,475, renewed Nov. 26, 1949. O. G. Feb. 7.

Boots and shoes, Leather. The Littleway Process Company. 259,357, renewed July 30, 1949. O. G. Feb. 7.

Boots, shoes, and slippers. Endicott Johnson Corporation. 269,825, renewed Apr. 22, 1950. O. G. Feb. 7.

Hats, Men's straw. New England Panama Hat Co. Inc. 262,982, renewed Oct. 29, 1949. O. G. Feb. 7.

Hats, Women's, children's, and misses'. Ogus, Rabinovich & Ogus, Inc. 264,372, renewed Nov. 26, 1949. O. G. Feb. 7.

Hosiery. Burd Brothers. 263,380, renewed Nov. 5, 1949. O. G. Feb. 7.

Hosiery. Gotham Silk Hosiery Company, Inc. 269,362, renewed Apr. 1, 1950. O. G. Feb. 7.

Hosiery. Gotham Silk Hosiery Company, Inc. 269,368, renewed Apr. 1, 1950. O. G. Feb. 7.

Hosiery, ladies' muslin underwear, nightgowns, and pajamas. Ely & Walker Dry Goods Company. 75,370, Sept. 28, 1909. Republished Feb. 7.

Suits, Boys' wash, and boys' wash knickers. The Matusow Manufacturing Company. 261,231, renewed Sept. 10, 1949. O. G. Feb. 7.

Underwear of knitted fabric for women and children. Van Raalte Company, Inc. 267,609, renewed Feb. 25, 1950. O. G. Feb. 7.

CLASS 40

Guards, Shoulder. R. C. Engel. 520,963, Feb. 7; Serial No. 570,929.

Laces, Shoe. Rhode Island Textile Company. 520,962, Feb. 7; Serial No. 570,638.

CLASS 42

Piece goods, Woolen. Forstmann & Huffmann Company. 262,876-86, renewed Oct. 29, 1949. O. G. Feb. 7.

Piece goods, Woolen. Forstmann & Huffmann Company. 264,903, renewed Dec. 10, 1949. O. G. Feb. 7.

Piece goods, Woolen. Forstmann & Huffmann Company. 262,927-8, renewed Oct. 29, 1949. O. G. Feb. 7.

Sheetings, shirtings, drills, Cotton, etc. Stonewall Cotton Mills. 76,233, re-renewed Dec. 28, 1949. O. G. Feb. 7.

Sheets and pillowcases. Gimbel Brothers, Inc. 263,145, renewed Oct. 20, 1949. O. G. Feb. 7.

Sheets, pillowcases, and bedspreads. Peerless Cotton Mills. 262,136, renewed Oct. 1, 1949. O. G. Feb. 7.

Sheets, Stockmen's textile bed. Crawford-Austin Manufacturing Co. 520,792, Feb. 7; Serial No. 559,286, published Oct. 11, 1949.

CLASS 44

Applicators in sheet form for use on the skin. Reta Terrell Perfumes. 520,764, Feb. 7; Serial No. 553,428, published Nov. 1, 1949.

Dentures, Plastic. Austenal Laboratories, Incorporated. 520,699, Feb. 7; Serial No. 555,982, published Nov. 1, 1949.

Prophylactic sheath. Klingfast Rubber Company. 520,910, Feb. 7; Serial No. 572,253, published Nov. 1, 1949.

Surgical instruments and components thereof, Endoscopic examining and operating, etc. American Cystoscope Makers, Inc. 520,809, Feb. 7; Serial No. 560,677, published Oct. 4, 1949.

Teeth and dentures, Artificial. Austin Dental Laboratories. 520,933, Feb. 7; Serial No. 513,375.

Toothpicks. Herz Manufacturing Corporation. 520,853, Feb. 7; Serial No. 562,930, published Nov. 1, 1949.

Tweezers for dental, surgical, and manicure purposes, etc. John Hudson Moore, Inc. 420,638, Apr. 23, 1946. Amended. O. G. Feb. 7.

CLASS 45

Beverages, syrups and extracts for making the same, etc. Mission Dry Corporation. 443,749, Feb. 7; Serial No. 524,472, published Nov. 1, 1949.

CLASS 46

Bacon. Cudahy Brothers Co. 520,806, Feb. 7; Serial No. 560,323, published Nov. 1, 1949.
Baking-soda, saleratus, and baking-powder. Church & Dwight Company. 76,711, re-renewed Feb. 8, 1950. O. G. Feb. 7.
Bananas. Busalacchi Banana Co. 520,779, Feb. 7; Serial No. 558,546, published Oct. 25, 1949.
Bicarbonate of soda and baking powder. Church & Dwight Co. Inc. 520,873, Feb. 7; Serial No. 564,934, published Oct. 25, 1949.
Blend of condensed fish solubles, fish meal and riboflavin supplement. Central Soya Company, Inc. 520,561, Feb. 7; Serial No. 521,796, published Oct. 25, 1949.
Bread. P. F. Petersen Baking Company. 520,594, Feb. 7; Serial No. 532,633, published Nov. 1, 1949.
Bread, Salt-free. Davis Baking Company. 520,686, Feb. 7; Serial No. 555,163, published Nov. 1, 1949.
Butter. Peoria Creamery Company. 520,868, Feb. 7; Serial No. 564,647, published Oct. 18, 1949.
Cakes. Tasty Baking Company. 520,605, Feb. 7; Serial No. 536,173, published Oct. 25, 1949.
Cakes and marmalade. M. B. McCarthy. 265,965, renewed Jan. 7, 1950. O. G. Feb. 7.
Candies. C. E. Gheens. 188,491, Aug. 26, 1924. Republished Feb. 7.
Candies and crystallized fruits. Societe Daltily & Cie. 265,195, renewed Dec. 17, 1949. O. G. Feb. 7.
Candy. Beach Candy Corporation. 520,775, Feb. 7; Serial No. 558,097, published Nov. 1, 1949.
Candy. The Cracker Jack Co. 268,503, renewed Mar. 18, 1950. O. G. Feb. 7.
Candy. Mavrakos Candy Company. 516,365, Oct. 18, 1949. Corrected. O. G. Feb. 7.
Candy. Price Candy Company. 419,663, Feb. 26, 1946. Republished Feb. 7.
Candy. The Shotwell Manufacturing Co. 339,179, Sept. 29, 1936. Republished Feb. 7.
Candy, Chocolate. Emery, Bird, Thayer Dry Goods Company. 520,865, Feb. 7; Serial No. 564,102, published Oct. 11, 1949.
Canned corn. Minnesota Valley Canning Company. 520,644, Feb. 7; Serial No. 543,826, published Oct. 25, 1949.
Canned fish. E. B. McGovern. 520,655, Feb. 7; Serial No. 566,528, published Nov. 8, 1949.
Canned fish and canned cray-fish. A/S Gubben's Konservesfabriker. 443,731, Feb. 7; Serial No. 495,378, published Oct. 25, 1949.
Canned fish, salt fish, smoked fish, and spiced fish. Gorton-Pew Fisheries Company, Ltd. 411,843, Feb. 6, 1945. Republished Feb. 7.
Canned food products. Associated Food Distributors, Inc. 520,940, Feb. 7; Serial No. 532,979.
Canned King crab. Pacific Exploration Co., Inc. 520,884, Feb. 7; Serial No. 565,957, published Oct. 25, 1949.
Canned orange juice, canned grapefruit juice, and blended grapefruit and orange juice. G. O. McDaniel. 520,664, Feb. 7; Serial No. 547,749, published Nov. 1, 1949.
Canned peas, beans and beets. Gillett Canning Company. 211,890, Apr. 20, 1926. Republished Feb. 7.
Canned salmon. B. T. Weyand. 520,575, Feb. 7; Serial No. 528,969, published May 25, 1948.
Canned sweet corn. Durhrow Bros. Canning Co. 520,871, Feb. 7; Serial No. 564,866, published Nov. 1, 1949.
Canned tomatoes. Uddo & Taormina Company. 520,739, Feb. 7; Serial No. 550,757, published Nov. 1, 1949.
Canned tomatoes, canned cherries, tomato juice. Keystone Cooperative Grape Association. 520,564, Feb. 7; Serial No. 524,334, published Oct. 18, 1949.
Canned tuna. Italian Food Products Company, Inc. 267,843, renewed Mar. 4, 1950. O. G. Feb. 7.
Canned vegetables. The Sears & Nichols Corporation. 261,360, Sept. 17, 1929. Republished Feb. 7.
Canned vegetables. Stayton Canning Co. Co-Operative. 520,889, Feb. 7; Serial No. 566,250, published Oct. 25, 1949.
Cheese. P. Jensen. 506,188, Feb. 1, 1949. Canceled Jan. 9, 1950. O. G. Feb. 7.
Cheese. A. F. MacLaren Imperial Cheese Co., Limited. 56,704, Oct. 16, 1906. Republished Feb. 7.
Cheese, cheese spreads, and process cheese food. Standard Brands Incorporated. 520,707, Feb. 7; Serial No. 556,605, published Oct. 18, 1949.
Chewing gum. American Chewing Products Corp. 520,599, Feb. 7; Serial No. 534,405, published Feb. 22, 1949.
Chewing gum. American Chicle Company. 520,878, Feb. 7; Serial No. 565,156, published Oct. 25, 1949.
Chocolate. Hershey Chocolate Corporation. 520,773, Feb. 7; Serial No. 557,924, published Oct. 25, 1949.
Chocolate pieces of semi-sweet chocolate. Rockwood & Co. 443,728, Feb. 7; Serial No. 485,158, published Oct. 25, 1949.
Coffee. The Van Rooy Coffee Company, Inc. 299,473, Dec. 6, 1932. Republished Feb. 7.
Coffee and vinegar. Giovanni Bertolli Corp. 520,870, Feb. 7; Serial No. 564,854, published Oct. 18, 1949.
Coffee, Green. Steinwender, Stoffregen & Co., Inc. 520,646, Feb. 7; Serial No. 544,473, published Nov. 1, 1949.
Coffee, tea, and spice. B. Fischer & Co., Inc. 264,053, renewed Nov. 19, 1949. O. G. Feb. 7.
Confection, Frozen. Hover and Veltman. 267,110, renewed Feb. 11, 1950. O. G. Feb. 7.
Cookies, Sugar. Aunt Maria. 520,879, Feb. 7; Serial No. 565,165, published Nov. 1, 1949.
Dietary compositions. Burroughs Wellcome & Co. (U. S. A.) Inc. 520,798, Feb. 7; Serial No. 559,575, published Nov. 1, 1949.
Egg mixtures. L. Rudolf Co., Inc. 520,755, Feb. 7; Serial No. 552,880, published Nov. 1, 1949.
Feeds, Dairy. Puritan Mills. 520,649, Feb. 7; Serial No. 545,164, published Oct. 25, 1949.
Feeds, Dairy and livestock. Citrus By-Products Corporation. 520,812, Feb. 7; Serial No. 561,184, published Oct. 18, 1949.
Flour, Cake. The Northwestern Elevator & Mill Company. 265,106, renewed Dec. 17, 1949. O. G. Feb. 7.
Flour, Prepared. Doughnut Corporation of America. 380,172, Aug. 13, 1940. Canceled Jan. 9, 1950. O. G. Feb. 7.
Flour, Wheat. C. L. Green. 520,682, Feb. 7; Serial No. 554,973, published Nov. 1, 1949.
Flour, Wheat. The William Kelly Milling Company. 520,648, Feb. 7; Serial No. 545,131, published Nov. 1, 1949.
Foods for horses, cows, sheep, dogs, goats, etc. Pratt Food Company. 520,942, Feb. 7; Serial No. 541,963.
Fruit, Fresh citrus. Upland Citrus Association. 520,877, Feb. 7; Serial No. 565,025, published Oct. 25, 1949.
Fruits, Citrus. Indian Hill Citrus Association. 76,919, re-renewed Feb. 22, 1950. O. G. Feb. 7.
Fruits, Citrus. Indian Hill Citrus Association. 77,468, re-renewed Apr. 12, 1950. O. G. Feb. 7.
Fruits, Fresh citrus. Chapman Orchards. 224,359, Feb. 22, 1927. Republished Feb. 7.
Fruits, Fresh citrus. Fillmore Citrus Association. 520,619, Feb. 7; Serial No. 540,804, published Oct. 25, 1949.
Fruits, Fresh citrus. Melch & Company. 443,743, Feb. 7; Serial No. 519,535, published June 29, 1948.
Fruits, Fresh citrus. Santiago Growers Association. 520,695, Feb. 7; Serial No. 555,841, published Nov. 1, 1949.
Fruits, Fresh citrus. Wadell and Son. 432,057, Aug. 19, 1947. Republished Feb. 7.
Fruits, Fresh deciduous. Gardenhour Bros. 520,894, Feb. 7; Serial No. 567,347, published Oct. 25, 1949.
Grapefruit, Fresh. Yuma Mesa Grapefruit. 268,173, renewed Mar. 11, 1950. O. G. Feb. 7.
Grapefruit, Fresh. Yuma Mesa Grapefruit Company. 269,351, renewed Apr. 1, 1950. O. G. Feb. 7.
Ice cream. Clover Green Dairies, Inc. 520,864, Feb. 7; Serial No. 564,099, published Oct. 25, 1949.
Juices, Passion fruit. M. L. Reid. 520,702, Feb. 7; Serial No. 556,219, published Oct. 25, 1949.
Lard. Swift and Company. 269,663, renewed Apr. 15, 1950. O. G. Feb. 7.
Matzos. Aron Streit, Inc. 520,936, Feb. 7; Serial No. 524,441.
Milk, cream, and butter and buttermilk. Anglo-Swiss Condensed Milk Company. 34,494, re-renewed Apr. 17, 1950. O. G. Feb. 7.
Nuts, Salted mixed, salted cashew nuts, salted peanuts, etc. Parkway Foods, Inc. 520,844, Feb. 7; Serial No. 562,664, published Oct. 25, 1949.
Oleomargarine. The Capital City Products Company. 520,635, Feb. 7; Serial No. 542,838, published Nov. 1, 1949.
Oranges and grape-fruit. Pasadena Orange Growers Association. 77,563–4, re-renewed Apr. 19, 1950. O. G. Feb. 7.
Pop corn, Salted. Dennis, Inc. 520,718, Feb. 7; Serial No. 547,979, published Nov. 1, 1949.
Potatoes. Carl N. Emerling & Sons. 520,763, Feb. 7; Serial No. 553,188, published Nov. 1, 1949.
Poultry, Live and dressed. E. S. Christoffersen. 520,781, Feb. 7; Serial No. 558,633, published Nov. 1, 1949.
Preserves, jellies, jams, Fruit, etc. Old Virginia Packing Company, Inc. 520,568, Feb. 7; Serial No. 526,275, published Nov. 1, 1949.
Salad dressing. The Capital City Products Company. 520,634, Feb. 7; Serial No. 542,837, published Nov. 1, 1949.
Sauce for shrimp. L. J. Sermay. 520,953, Feb. 7; Serial No. 563,874.
Seasoning, Popcorn. The Capital City Products Company. 520,633, Feb. 7; Serial No. 542,836, published Nov. 1, 1949.
Spices, food flavoring extracts, and sauces. Wason Brothers Co., Inc. 443,742, Feb. 7; Serial No. 516,335, published Nov. 1, 1949.
Sugar of commerce. The American Sugar Refining Company. 337,744–5, Nov. 14, 1899. Republished Feb. 7.
Sweet potatoes in tins, Candied. Barnett & Sibille Company. 266,640, renewed Jan. 28, 1950. O. G. Feb. 7.
Syrup, Table. Corn Products Refining Company. 520,784, Feb. 7; Serial No. 558,865, published Nov. 1, 1949.

Syrup, Table, pickles, and peanut butter. W. B. Roddenbery Company, Inc. 520,857, Feb. 7; Serial No. 563,220, published Oct. 11, 1949.
Vegetable crystallizing oil. The Capital City Products Company. 520,632, Feb. 7; Serial No. 542,834, published Nov. 1, 1949.
Vegetable oil, Hydrogenated. The Capital City Products Company. 520,638, Feb. 7; Serial No. 542,841, published Nov. 1, 1949.
Vegetable oil, Pure all hydrogenated. The Capital City Products Company. 520,637, Feb. 7; Serial No. 542,840, published Nov. 1, 1949.
Vegetable-oil stearine, Powdered high-melting-point. The Capital City Products Company. 520,636, Feb. 7; Serial No. 542,839, published Nov. 1, 1949.
Vegetables, Fresh. N. A. Kalich. 520,545, Feb. 7; Serial No. 510,320, published Nov. 1, 1949.
Vegetables, Fresh, and fresh avocados. Valley Fruit & Produce Co. 520,882, Feb. 7; Serial No. 565,830, published Oct. 25, 1949.
Vermicelli, spaghetti, macaroni, etc. Ideal Macaroni Co. 520,961, Feb. 7; Serial No. 569,625.
Wheat-flour. The Isaac Harter Milling Company. 76,150, re-renewed Dec. 21, 1949. O. G. Feb. 7.
Wheat-flour. The Kansas Milling Company. 76,074–6, re-renewed Dec. 14, 1949. O. G. Feb. 7.
Wheat-flour. Texas Star Flour Mills. 77,343, re-renewed Mar. 29, 1950. O. G. Feb. 7.

CLASS 48

Beverages, Nonalcoholic, cereal, malt. Royal Canadian Distributing Co. 272,548, July 8, 1930. New certificate. O. G. Feb. 7.

CLASS 49

Cordial. G. Alberti. 75,549, re-renewed Oct. 19, 1949. O. G. Feb. 7.

CLASS 50

Brooders, drinking fountains, and feeders, etc. Noble Manufacturing Company, Inc. 520,677, Feb. 7; Serial No. 554,586, published Sept. 27, 1949.
Caps and closures, Metallic. Crown Cork & Seal Company, Inc. 520,652, Feb. 7; Serial No. 546,157, published Oct. 4, 1949.
Christmas trees, Imitation. The Como-Tex Company. 520,701, Feb. 7; Serial No. 556,176, published Sept. 20, 1949.
Devices for killing and disabling insects, flies, and the like. U. S. Manufacturing Corporation. 520,631, Feb. 7; Serial No. 542,699, published Oct. 4, 1949.
Felt and felting. American Felt Company. 520,627, Feb. 7; Serial No. 541,991, published Sept. 27, 1949.
Ladders, rubber link door mats, rubber stair treads. The Cussins and Fearn Company. 520,748, Feb. 7; Serial No. 551,868, published Oct. 4, 1949.
Ladders, rubber link door mats, rubber stair treads. The Cussins and Fearn Company. 520,760, Feb. 7; Serial No. 553,175, published Oct. 4, 1949.
Religious articles. K. Zajc. 520,937, Feb. 7; Serial No. 524,510.
Rolls and sheets of material. Middletown Rubber Corporation. 443,733, Feb. 7; Serial No. 497,946, published Sept. 27, 1949.
Shoe lasts. Vulcan Corporation. 520,778, Feb. 7; Serial No. 558,539, published Sept. 20, 1949.
Shoe lasts. Vulcan Corporation. 520,795, Feb. 7; Serial No. 559,362, published Sept. 27, 1949.
Statuettes, phones, figures, and figurines. Coventry Ware, Inc. 520,583, Feb. 7; Serial No. 530,472, published Oct. 4, 1949.
Transparent material enmeshed in cloth, wire mesh, and wire screening. Sears, Roebuck and Co. 520,817, Feb. 7; Serial No. 561,497, published Sept. 20, 1949.

CLASS 51

Hair dyes. Sales Affiliates, Inc. 520,881, Feb. 7; Serial No. 565,458, published Oct. 4, 1949.
Lipsticks. Botany Worsted Mills. 443,737, Feb. 7; Serial No. 509,331, published Sept. 6, 1949.
Perfume, toilet water, face powder, etc. Lubin Perfumery Corporation. 267,526, renewed Feb. 25, 1950. O. G. Feb. 7.
Perfumes and rouge. S. A. Lancome. 520,584, Feb. 7; Serial No. 530,526, published Sept. 6, 1949.
Perfumes, toilet water, cologne, etc. Guerlain, Inc. 520,902, Feb. 7; Serial No. 569,320, published Oct. 18, 1949.
Preparation for removing corns, etc. L. R. Pitcher. 406,579, Apr. 11, 1944. Republished Feb. 7.
Rouge, lipstick, powder sachet, etc. Lehn & Fink Products Corporation. 520,688, Feb. 7; Serial No. 555,278, published Oct. 4, 1949.
Shaving cream. Consolidated Royal Chemical Corporation. 520,651, Feb. 7; Serial No. 545,958, published Oct. 4, 1949.
Vanity ensemble. M. Dulberg. 520,939, Feb. 7; Serial No. 532,694.

CLASS 52

Alkaline concentrate of compounded chemicals for use as an all-purpose detergent, Liquid. Harco Chemical Company. 443,735, Feb. 7; Serial No. 508,478, published Sept. 20, 1949.
Bar soap. L. Rothschild. 520,716, Feb. 7; Serial No. 547,773, published Oct. 4, 1949.
Cleaner for floors, walls, and the like, Semiliquid. A. Di Frances. 399,820, Feb. 2, 1943. Republished Feb. 7.
Cleaner for removing grease, grime, paint, ink, etc., Waterless. Engine Life Products Corporation. 520,928, Feb. 7; Serial No. 482,198.
Cleaner for typewriter type. W. L. Gould. 520,752, Feb. 7; Serial No. 552,452, published Oct. 4, 1949.
Cleaning compound. Moto-Sway Corporation of America. 520,727, Feb. 7; Serial No. 548,987, published Oct. 4, 1949.
Cleaning preparations, Alkaline, acidic, neutral, and solvent. Hanson-Van Winkle-Munning Company. 520,723, Feb. 7; Serial No. 548,362, published Sept. 20, 1949.
Cleansers, Scouring. Murphysboro Grocery Company. 520,612, Feb. 7; Serial No. 539,196, published Sept. 20, 1949.
Detergents and scouring agents. Advance Solvents & Chemical Corporation. 520,807, Feb. 7; Serial No. 560,433, published Sept. 27, 1949.
Detergents, Synthetic. Atlas Powder Company. 520,690, Feb. 7; Serial No. 555,480, published Oct. 4, 1949.
Dry cleaning fluid. Thoro Products Co. 520,892, Feb. 7; Serial No. 567,159, published Oct. 4, 1949.
Preparation for cleaning and polishing false teeth, dental plates, and dental bridgework. A. J. White. 520,642, Feb. 7; Serial No. 543,554, published Oct. 4, 1949.
Soap, Toilet and bath. The Procter & Gamble Company. 520,966, Feb. 7; Serial No. 579,452.
Soaps. P. Mülhens. 264,438, renewed Nov. 26, 1949. O. G. Feb. 7.
Solvent. Sumco Products, Inc. 520,895, Feb. 7; Serial No. 567,438, published Oct. 25, 1949.

CLASS 100

Serving of food and beverages. C. S. Casparis. 520,918, Feb. 7; Serial No. 545,949, published Oct. 11, 1949.
Serving of foods and beverages in restaurants. Hot Shoppes, Inc. 520,917, Feb. 7; Serial No. 542,587, published Oct. 11, 1949.

CLASS 101

Management counseling to the bakery industry. Bakers Associates Incorporated. 520,923, Feb. 7; Serial No. 560,856, published Oct. 11, 1949.

CLASS 102

Insurance underwriting, Fire. Citizens Insurance Company of New Jersey. 520,916, Feb. 7; Serial No. 536,499, published Oct. 11, 1949.
Insurance underwriting services, Accident, health, and hospitalization. Continental Casualty Company. 520,920, Feb. 7; Serial No. 552,917, published Oct. 11, 1949.

CLASS 103

Extermination, Insect and rodent, etc. Airway Exterminating & Products Company. 520,924, Feb. 7; Serial No. 567,014, published Oct. 11, 1949.
Maintenance and repair of Diesel engines. Cummins Engine Company, Inc. 520,970, Feb. 7; Serial No. 550,393.
Maintenance and repair of Diesel engines and parts thereof. Cummins Engine Company, Inc. 520,919, Feb. 7; Serial No. 550,392, published Oct. 11, 1949.

CLASS 104

News and news reporting through the medium of television broadcasts. The Hearst Corporation. 520,921, Feb. 7; Serial No. 557,132, published Oct. 11, 1949.

CLASS 105

Arranging and conducting domestic and foreign travel tours and cruises. Cartan Travel Bureau, Inc. 520,922, Feb. 7; Serial No. 559,981, published Sept. 6, 1949.
Travel service. Rainbow Travel Service, Inc. 520,925, Feb. 7; Serial No. 568,117, published Oct. 11, 1949.

CLASS 106

Services rendered manufacturers of all kinds of fabrics. Bradford Dyeing Association (U. S. A.). 520,967–9 Feb. 7; Serial Nos. 544,145–7.

CLASS 107

Distribution by wire of music. S. H. Lynch & Co. 520,926, Feb. 7 Serial No. 571,564, published Oct. 11, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF FEBRUARY, 1950

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brasch, Arno, Brooklyn, assignor, by mesne assignments, to Electronized Chemicals Corporation, New York, N. Y. Sterilizing and preserving. Re. 23,195, Feb. 7.
Electronized Chemicals Corporation, assignee: *See*— Brasch, Arno.

Golden, Bertie C., assignor to Millhiser Bag Company, Inc., Richmond, Va. Bag stringing machine and method. Re. 23,196, Feb. 7.
Millhiser Bag Company, Inc., assignee: *See*— Golden, Bertie C.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*— Swim, Herbert C.
Bender, George W., Jr., Wyndmoor, Pa. Carnation plant. 919, Feb. 7.
Kirkman Corporation, assignee: *See*— Kirkman, William T.

Kirkman, William T., Jr., assignor to Kirkman Corporation, Tracy, Calif. Peach tree. 920, Feb. 7.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 921, Feb. 7.

LIST OF DESIGN PATENTEES

Abell, J. Roy, assignee: *See*— Boughey, Jeremiah J.
Adams, Arthur R., Glendale, and B. L. Shannon, Pasadena, assignors to Adams Rite Manufacturing Company, Glendale, Calif. Trailer lock. 157,116, Feb. 7.
Adams Rite Manufacturing Company, assignee: *See*— Adams, Arthur R., and Shannon.
Åkerlind, Carl G., assignor to Aktiebolaget Nilsson & Johansson, Stockholm, Sweden. Fork or other article of flatware. 157,117, Feb. 7.
Aktiebolaget Nilsson & Johansson, assignee: *See*— Åkerlind, Carl G.
Alfab Manufacturing Company, assignee: *See*— Omo, Frank J.
Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire casing. 157,118, Feb. 7.
Arcularius, Charles du B., New Canaan, Conn., assignor to Laboratory Furniture Co., Inc., Long Island City, N. Y. Pedestal type electric outlet box. 157,119, Feb. 7.
Backie, John L., Vancouver, British Columbia, Canada, assignor to G. L. and J. D. Danley, M. C. Gordon, and D. G. Kelton, Denver, Colo. Combined telephone support and sterilizer. 157,120, Feb. 7.
Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Company Inc., Carlstadt, N. J. Rope-jumping figure toy. 157,121, Feb. 7.
Ballou, B. A., & Co. Incorporated, assignee: *See*— Moulson, Florence S.
Benninghofen, Paul, trustee, assignee: *See*— Katz, Russell.
Blake, William T., Handley, and J. R. Moore, assignors to A. Lyon, Fort Worth, Tex. Swivel. 157,122, Feb. 7.
Boeye, Paul F., Minneapolis, Minn. Combination vegetable chopping block and bowl. 157,123, Feb. 7.
Boughey, Jeremiah J., Chicago, assignor of one-third to J. R. Abell, Evanston, and one-third to G. E. Semple, Park Ridge, Ill. Foot shield body. 157,124, Feb. 7.
Breen, Frederick M., White Plains, N. Y., assignor to Coty, Inc., Wilmington, Del. Cosmetic container or similar article. 157,125, Feb. 7.
Brown-Jordan Co., assignee: *See*— Williams, Caryl F.
Bumber, Walter L., Westmont, Ill. Pouring vessel. 157,126, Feb. 7.
Cabot, Petra, and L. Vitale, New York, N. Y. Picture frame. 157,127, Feb. 7.
Collinet, Clarence W., Chicago, Ill. Milk carton holder. 157,128, Feb. 7.
Columbia Protektosite Company Inc., assignee: *See*— Baldanza, Nicholas T.
Consumer-Pak Machine Co., assignee: *See*— Miller, Cecil.
Coro, Inc., assignee: *See*— Katz, Adolph.
Coty, Inc., assignee: *See*— Breen, Frederick M.

Craven, Le Roy, assignor of one-half to H. J. Neuman, Chicago, Ill. Combination cigarette box and ash tray. 157,129, Feb. 7.
Danley, Gail L., assignee: *See*— Backie, John L.
Danley, Jeanette D., assignee: *See*— Backie, John L.
David, Roger H., St. Paul, Minn. Floor mat. 157,130, Feb. 7.
Davis, William S., Philadelphia, Pa. Space heater. 157,131, Feb. 7.
Diesbach, Eleanor C., trustee, assignee: *See*— Katz, Russell.
Dieterich, Frederick A., assignor to Universal Chain Co. Inc., Maplewood, N. J. Chain for a necklace or similar article. 157,132, Feb. 7.
Dillard, William, Jr., New York, N. Y. Wall plaque or similar article. 157,133, Feb. 7.
Fib, Gertrude R., Denver, Colo. Cake. 157,134, Feb. 7.
Empire Ironer, Inc., assignee: *See*— Getgey, John J.
Forrest, Preston J., Pleasant Ridge, and H. C. Wiechman, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Pneumatic tire. 157,135, Feb. 7.
Forster, Rosalie, Long Island City, N. Y. Towel. 157,136, Feb. 7.
Foster, Harry G., Charlevoix, Mich. Snow scooter. 157,137, Feb. 7.
Fox, Florian J., Stratford, H. A. Williams, Trumbull Township, Fairfield County, and R. A. Sherman, Jr., Fairfield, Conn. Soft speaker for dictating machines. 157,138, Feb. 7.
Fox, Philip, Bala, Pa. Jewel case. 157,139, Feb. 7.
Fox West Coast Theatres Corporation, assignee: *See*— Krappman, Andrew J.
General Electric Company, assignee: *See*— Gosweiler, Herbert V., Jr.
General Tire & Rubber Company, The, assignee: *See*— Anderson, George W.
Getgey, John J., assignor to Empire Ironer, Inc., Cincinnati, Ohio. Combined ironer and stand. 157,140, Feb. 7.
Goodrich, B. F., Company, The, assignee: *See*— Smith, Robert W.
Gordon, Martha C., assignee: *See*— Backie, John L.
Gosweiler, Herbert V., Jr., Easton, Conn., assignor to General Electric Company. Combined top and backsplasher unit for electric ranges. 157,141, Feb. 7.
Gosweiler, Herbert V., Jr., Easton, Conn., assignor to General Electric Company. Combined top and backsplasher unit for electric ranges. 157,142, Feb. 7.
Graham, Stanton F., Chicago, Ill. Spray device. 157,143, Feb. 7.
Grindinger, Nona F.: *See*— Grindinger, Robert E., and Nona F.
Grindinger, Robert E. and Nona F., Kansas City, Mo. Shoe rack. 157,144, Feb. 7.

Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Combination tumbler and toothbrush holder. 157,145, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Soap dish. 157,146, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Tumbler holder. 157,147, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Robe hook. 157,148, Feb. 7.
Hallenscheid, Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Toothbrush holder. 157,149, Feb. 7.
Hall-Mack Company, assignee: *See*— Hallenscheid, Gustav A.
Hanson, Anton G., Minneapolis, Minn. Combination ash tray, memorandum holder, and penholder. 157,150, Feb. 7.
Harvey, Draper M., Hingham, assignor to E. B. Harvey and Associates, Boston, Mass. Tire chain. 157,151, Feb. 7.
Harvey, Earle B., and Associates, assignee: *See*— Harvey, Draper M.
Harvey, James W., Lakeville, Conn. Display stand. 157,152, Feb. 7.
Hirsch, Irving L., Englewood, N. J., and J. C. Hirsch, New York, N. Y. Serving fork or similar article. 157,153, Feb. 7.
Hirsch, Joseph C.: *See*— Hirsch, Irving L., and J. C.
Horton, George M., Fairfield, Conn., assignor to Moody Machine Products Co., Inc. Combined kit and screw driver set unit. 157,154, Feb. 7.
Hyman, Edgar C., Co., Inc., assignee: *See*— Lewis, Elsie M.
Wested, Valborg M.
Isermann Centa, nee Cossman, Tucson, Ariz. Bottled perfume package. 157,155, Feb. 7.
Janowitz, Arnold, New York, N. Y. Christmas tree ornament or a similar article. 157,156, Feb. 7.
Jaynes, Wilford C.: *See*— Vanderbrook, Clarence A., and Jaynes.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 157,157, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 157,158, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 157,159, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,160, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,161, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 157,162, Feb. 7.
Katz, Adolph, Providence, R. I. Earring or similar article. 157,163, Feb. 7.
Katz, Adolph, Providence, R. I. Separable brooch or similar article. 157,164, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,165, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 157,166, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 157,167, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 157,168, Feb. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 157,169, Feb. 7.
Katz, Russell, assignor to P. Benninghofen and E. C. Diesbach, trustees, Hamilton, Ohio. Bracket. 157,170, Feb. 7.
Kelton, Dawn G., assignee: *See*— Backie, John L.
Knapp, Walter L., Detroit, Mich. Portable dishwashing machine. 157,171, Feb. 7.
Krappman, Andrew J., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Popcorn container. 157,172, Feb. 7.
Krasnow, Kenneth, New York, N. Y. Plastic belt. 157,173, Feb. 7.
Laboratory Furniture Co., Inc., assignee: *See*— Arcularius, Charles du B.
Lambertz, Ruth, San Francisco, Calif. Ballerina doll. 157,174, Feb. 7.
Laub, Leon C., New Rochelle, N. Y. Hollow metal molding. 157,175, Feb. 7.
Laub, Leon C., New Rochelle, N. Y. Hollow metal molding. 157,176, Feb. 7.
Lazarus, Hettye S., New York, N. Y. Cap or the like. 157,177, Feb. 7.
Lewis, Elsie M., Rockville Centre, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 157,178, Feb. 7.
Lyon, Anthony, assignee: *See*— Blake, William T., and Moore.
Massey, Emma J., executrix, assignee: *See*— Massey, Ulyus G.
Massey, Ulyus G., E. J. Massey, executrix of said U. G. Massey, deceased, assignor to E. J. Massey, Ensley, Ala. Door. 157,179, Feb. 7.
Miller, Cecil, assignor to Consumer-Pak Machine Co., Pomona, Calif. Bag sealing unit. 157,180, Feb. 7.
Moody Machine Products Co., Inc., assignee: *See*— Horton, George M.
Moore, Joseph R.: *See*— Blake, William T., and Moore.
Moulson, Florence S., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Display figure unit or the like. 157,181, Feb. 7.
Nerman, Tom, Park Ridge, Ill. Spotlight housing. 157,182, Feb. 7.
Neuman, Harry J., assignee: *See*— Craven, Le Roy.
Newell, George H., Racine, Wis. Butter spreader. 157,183, Feb. 7.
Nisle, George U., Chicago, Ill. Table. 157,184, Feb. 7.
Nudelman, Eolna, Chicago, Ill. Combination spoon, fork, and holder. 157,185, Feb. 7.
Omo, Frank J., assignor to Alfab Manufacturing Company, Houston, Tex. Technician's buffer. 157,186, Feb. 7.
Parva Products Company, assignee: *See*— White, Paul W.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,187, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,188, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,189, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,190, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or similar article. 157,191, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,192, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,193, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,194, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,195, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,196, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,197, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,198, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,199, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,200, Feb. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,201, Feb. 7.
Piecka, Mary, Braeburn, Pa. Child's playsuit. 157,202, Feb. 7.
Piecka, Mary, Braeburn, Pa. Child's playsuit. 157,203, Feb. 7.
Pieper, Alphonse F., Brighton, N. Y. Fluorescent lamp support. 157,204, Feb. 7.
Reynolds, Lewis J., Houston, Tex. Illuminating table. 157,205, Feb. 7.
Ronfeldt Associates, Inc., assignee: *See*— Ronfeldt, Howard W.
Ronfeldt, Howard W., assignor to Ronfeldt Associates, Inc., Toledo, Ohio. Safety ladder step. 157,206, Feb. 7.
Roth, Margaret, assignor to Roth & Steiner, Inc., New York, N. Y. Casing for cigarette lighter, lipstick, or similar article. 157,207, Feb. 7.
Roth & Steiner, Inc., assignee: *See*— Roth, Margaret.
Semple, George E., assignee: *See*— Boughey, Jeremiah J.
Shannon, Burton L.: *See*— Adams, Arthur R., and Shannon.
Shapiro, Morris, Los Angeles, Calif. Ash tray. 157,208, Feb. 7.
Sherman, Ralph A., Jr.: *See*— Fox, Florian J., Williams, and Sherman, Jr.
Siegel, Fred, New York, N. Y. Combined scraping and cleaning implement or similar article. 157,209, Feb. 7.
Silberman, Morris, assignor to Moses Streesover, New York, N. Y. Appliqué or the like. 157,210, Feb. 7.
Smith, Robert W., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Band track. 157,211, Feb. 7.

Stefan, Joseph, Oaklawn, Ill. Towel rack. 157,212, Feb. 7.
Stevens, George E., Missoula, Mont. Wallpaper moistening machine. 157,213, Feb. 7.
Streesover, Moses, assignee: *See*— Silberman, Morris.
Stuart, C. W., & Company, Inc., assignee: *See*— Vanderbrook, Clarence A.
Vanderbrook, Clarence A., and Jaynes.
Taradash, Murray, Fall River, Mass. Negligee. 157,214, Feb. 7.
Thomas, Islyn, assignor to Thomas Manufacturing Corp., Newark, N. J. Toy swing. 157,215, Feb. 7.
Thomas Manufacturing Corp., assignee: *See*— Thomas, Islyn.
Trifari, Krussman & Fishel, Inc., assignee: *See*— Philippe, Alfred.
United States Rubber Company, assignee: *See*— Forrest, Preston J., and Wiechman.
Universal Chain Co. Inc., assignee: *See*— Dieterich, Frederick A.
Uva, Joseph A., Watertown, Mass. Lipstick container. 157,216, Feb. 7.
Vanderbrook, Clarence A., assignor to C. W. Stuart & Company, Inc., Newark, N. Y. Landscape planning rule. 157,217, Feb. 7.
Vanderbrook, Clarence A., and W. C. Jaynes, assignors to C. W. Stuart & Company, Inc., Newark, N. Y. Landscape planning rule. 157,218, Feb. 7.
Vavrik, Louis, Rossford, assignor to The Witte-Toledo Company, Toledo, Ohio. Tape dispenser. 157,219, Feb. 7.
Vitale, Lidia: *See*— Cabot, Petra, and Vitale.
Welsz, Sándor, Budapest, Hungary. Child's shoe. 157,220, Feb. 7.
Wested, Valborg M., assignor to Edgar C. Hyman Co. Inc., New York, N. Y. Scarf. 157,221, Feb. 7.
Wheeler, Pearl I., Los Angeles, Calif. Doll. 157,222, Feb. 7.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Toy crossbow. 157,223, Feb. 7.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Toy crossbow. 157,224, Feb. 7.
Wiechman, Henry C.: *See*— Forrest, Preston J., and Wiechman.
Williams, Caryl F., La Canada, assignor to Brown-Jordan Co., Pasadena, Calif. Chair. 157,225, Feb. 7.
Williams, Caryl F., La Canada, assignor to Brown-Jordan Co., Pasadena, Calif. Table. 157,226, Feb. 7.
Williams, Harry A.: *See*— Fox, Florian J., Williams, and Sherman, Jr.
Witte-Toledo Company, The, assignee: *See*— Vavrik, Louis.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaron, William, Brooklyn, N. Y. Wear take-up adjusting means for reciprocating knives of cloth-cutting machines. 2,496,365, Feb. 7.

Abbott, Arthur R.: *See*—
Kieley, Michael F., and Abbott.

Abbott, Merrill F., Sanitarium, Calif. Transposing harmonica. 2,496,511, Feb. 7.

Abbotts Dairies, Incorporated, assignee: *See*—
Orrell, Joseph B.

Abramoska, Alfred A., Parma, Ohio. Socket joint. 2,496,839, Feb. 7.

Advance Manufacturing, Inc., assignee: *See*—
Kirkpatrick, Henry O.

Acme Metal Products Corporation, assignee: *See*—
Hallberg, Carl G.

Adams, David, Detroit, Mich. Valve mechanism. 2,496,512, Feb. 7.

Adelson, Samuel L., assignor to Infilco Incorporated, Chicago, Ill. Liquid level gauge. 2,496,366, Feb. 7.

Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. Esters of hydroxyalkyl aromatic sulfonamides. 2,496,650, Feb. 7.

Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. Esters of hydroxyalkyl aromatic sulfonamides. 2,496,651, Feb. 7.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Balls, Arnold K., Walden, and Thompson.
Eddy, Clyde W.
Lockwood, Lewis B., and Stodola.
Owens, Harry S., McCready, and Maclay.

Ahrens, John E., Cincinnati, Ohio. Refrigeration unit. 2,496,652, Feb. 7.

Aicardi, Joseph, Versailles, assignor to Societe Francaise, Sadir-Carpentier, Paris, France. Radio beacon system. 2,496,367, Feb. 7.

Air Reduction Company, Incorporated, assignee: *See*—
Hoover, Charles O.
Moore, William C.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Pfenninger, Hans.

Albertson, Noel F., East Greenbush, and S. Archer, Albany, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Production of a 3-(lower acyl)amino-3-carbalkoxy-2-piperidones. 2,496,326, Feb. 7.

Albin, Jack J.: *See*—
de Nardis, Cornelius R., and Albin.

Alexander, Paul R., Saugus, Mass. Sportsman's knife. 2,496,840, Feb. 7.

Alexander, Philip, New York, N. Y., assignor to Prel Inc. Container with closure and closure puncturing dispensing spout. 2,496,258, Feb. 7.

Allen-Bradley Company, assignee: *See*—
Matthias, Lynn H., and Ragatz.

Allen, Ivey, Jr., and W. R. Marshall, Bloomfield, and G. E. Wightman, Upper Montclair, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Continuous bulk polymerization of styrene. 2,496,653, Feb. 7.

Alsdorf, James W., Wilmette, assignor to Cory Corporation, Chicago, Ill. Electric stove. 2,496,654, Feb. 7.

Alsop, William G.: *See*—
Bell, Adam C., and Alsop.

Aluminum Company of America, assignee: *See*—
Zelley, Walter G.

American Brake Shoe Company, assignee: *See*—
Cox, Isaac E.

American Car and Foundry Company, assignee: *See*—
Reedy, Charles E.

American Cyanamid Company, assignee: *See*—
Day, Harold M.
Houpt, Alfred G., and Smith.
Kropa, Edward L.
Marcot, Guy C.
Marsh, Corbin.
Smyth, Glen M., and Moran.

American Oak Leather Company, The, assignee: *See*—
Sims, Charles R.

American Optical Company, assignee: *See*—
Host, John J.

American Steel Foundries, assignee: *See*—
Hess, Reisa J., and Cizek.
Whitney, Loren L.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Johnson, Harry O.

American Telephone and Telegraph Company, assignee: *See*—
Lamberty, Frederick R., and Nitterauer.

American Viscose Corporation, assignee: *See*—
Chaney, David W.

Amprim, Lawrence F., Detroit, Mich. Mechanical and electrical thermostatic alarm actuator. 2,496,687, Feb. 7.

Ampro Corporation, assignee: *See*—
Ciseki, Irving.
Dunlavey, Robert J.

Amstutz, James B.: *See*—
Scott, Andrew, and Amstutz.

Anders, Ernest O., San Francisco, Calif. Combination lighting and display fixture. 2,496,513, Feb. 7.

Andrews, Norman F., Moline, Ill., and R. L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Corn harvester gatherer construction. 2,496,514, Feb. 7.

Anish, Alfred W., Raiford Manor, and L. C. Hensley, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic filter and antihalation layers containing a silver salt of an azanol dye. 2,496,841, Feb. 7.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Cyanine dye intermediates containing an aryloxy-, arylthio- or arylselenoalkyl-p- toluenesulfonate group attached to the nitrogen atom thereof. 2,496,842, Feb. 7.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic elements containing hydroxy heavy metal salts of trinuclear iminol cyanine dyes as filter and antihalation dyes. 2,496,843, Feb. 7.

Anstett, Edgar P., assignor to Powernails Company, Chicago, Ill. Nailing machine. 2,496,974, Feb. 7.

Archer, Sydney: *See*—
Albertson, Noel F., and Archer.

Arco Company, The, assignee: *See*—
Williams, David M.

Armitage, Frank: *See*—R.
Cottrell, Jack A., Hewitt, and Armitage.

Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.

Armstrong Rubber Company, The, assignee: *See*—
Evans, Joseph.

Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Pump. 2,496,688, Feb. 7.

Arnason, Arni, Park Ridge, Ill. Ellipsograph. 2,496,614, Feb. 7.

Ashton, Everett H., assignor to The M. W. Kellogg Company, Jersey City, N. J. Picker stick guide. 2,496,368, Feb. 7.

Aspinwall, William B., Spokane, Wash. Fertilizer distributor. 2,496,573, Feb. 7.

Astrol Products, Inc., assignee: *See*—
Melnick, Daniel.

Atkinson, Ralph L.: *See*—
Staunton, LeRoy, Atkinson, and Hopkins.

Attenborough, William, Beeston, assignor to F. W. Radford, Chilwell, England. Warp beam. 2,496,844, Feb. 7.

Attorney General of the United States, vested in the: *See*—
Sarazin, Robert.

Austin, Donald D., Sr., assignor to Nation Broach & Machine Company, Detroit, Mich. Finishing electric rotors. 2,497,023, Feb. 7.

Automatic Electric Laboratories Inc., assignee: *See*—
Burns, George A.
Peterson, Edward S.
Voss, John H.

Avila, Frank W., Columbus City, Ind., assignor to International Harvester Company. Axle suspension system for vehicles. 2,496,428, Feb. 7.

Ayers, Allyn L., Oakland, Calif., assignor to R. B. and E. L. Ensminger, as joint tenants. Wheel and wheel mounting. 2,496,615, Feb. 7.

Babin, Joseph, Lutcher, assignor of one-third to C. E. Bassett, Baton Rouge, La. Separable rim. 2,496,256, Feb. 7.

Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Temperature responsive piezoelectric crystal oscillator. 2,496,975, Feb. 7.

Bachmann, John F., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Monitoring circuit. 2,496,259, Feb. 7.

Bachrach, Selik, Buenos Aires, Argentina. Torch igniter. 2,496,257, Feb. 7.

Baghuis, Ludovicus H., Utrecht, Netherlands. Follow-up and pressure fluid type servo motor. 2,496,369, Feb. 7.

Baily, Edgar W., Purley, assignor to Paterson Engineering Company, Ltd., London, England. Apparatus for filtration of liquids. 2,496,370, Feb. 7.

Baines, Richard H.: *See*—
McVeigh, William B., and Baines.

Baker, David B., Riverside, W. O. Bechman, Chicago, and W. W. Henning, River Grove, Ill., assignors to International Harvester Company. Vehicle change-speed and steering gear. 2,496,429, Feb. 7.

Baker Novelty Company, assignee: *See*—
Baker, William A.

Baker, William A., San Rafael, assignor to Baker Novelty Company, Los Angeles County, Calif. Steel wool holder. 2,496,371, Feb. 7.

Balden, Alvin R., Plymouth, and L. M. Morse, Pontiac, assignors to Chrysler Corporation, Highland Park, Mich. Bath for brass immersion coating on aluminum and aluminum alloy. 2,496,845, Feb. 7.

Baldwin Locomotive Works, assignee: *See*—
Hall, Keith W.
Lazan, Benjamin J.

Baldwin, Philip S., Florence, Italy. Wheel cylinder. 2,496,260, Feb. 7.

Balk, Albert A., Cleveland, Ohio. Inside caliper. 2,496,665, Feb. 7.

Balls, Arnold K., and M. K. Walden, Berkeley, and R. B. Thompson, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Preparation of beta-amylase from sweet potatoes. 2,496,261, Feb. 7.

Balser, Rudolf, West Springfield, Mass. Article dispensing machine. 2,496,689, Feb. 7.

Barclay, William, Richmond, Calif. Jar lid wrench. 2,496,262, Feb. 7.

Barnard, Joseph W., assignee: *See*—
Fox, Charles L.

Barnes Drill Co., assignee: *See*—
Seborg, Earnest Y.

Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Transparent wrapping films of 2,3-dichlorobutadiene copolymers. 2,496,976, Feb. 7.

Barrett, Sidney A., Montreal, Quebec, Canada. Two-way polar telegraph system. 2,496,372, Feb. 7.

Bartho, John C., New York, assignor of one-half to J. Haranis, Astoria, N. Y. Steering apparatus for automobiles. 2,496,263, Feb. 7.

Bartolomeo Del Carlo, assignee: *See*—
Bellato, Frank A.

Barton, Hugh M., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation indicator circuit and method. 2,496,338, Feb. 7.

Barton, James R., Portland, Oreg. Applying and anchoring a concrete sheathing to a rammed earthwall. 2,496,616, Feb. 7.

Bartram, Floyd L., El Monte, Calif. Fuel distributor for Diesel fuel pumps. 2,496,768, Feb. 7.

Bassett, Cecel E., assignee: *See*—
Babin, Joseph.

Battle, Turner R., Philadelphia, Pa. Protecting device against rain, sun, flies and the like. 2,496,769, Feb. 7.

Bauer, Jordan V.: *See*—
Caesar, George V., Bauer, and Hawley.

Baum, Richard F., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Communication system. 2,496,846, Feb. 7.

Bayes, Coy W., Stockton, Calif. Retractable trailer dolly. 2,496,515, Feb. 7.

Beach, Ralph M.: *See*—
Schiller, Bernhardt, and Beach.

Bechle, Rudolph P., Yonkers, assignor to Potdevin Machine Company, Brooklyn, N. Y. Differential rewind control. 2,496,977, Feb. 7.

Bechman, William O.: *See*—
Baker, David B., Bechman, and Henning.

Beck, Horace C., Los Angeles, Calif. Lawn edger. 2,496,327, Feb. 7.

Behm, Alexander J. E. and E. M., Nottingham, England. Wire winding machine, particularly for electric heating elements. 2,496,847, Feb. 7.

Behm, Elsie M.: *See*—
Behm, Alexander J. E. and E. M.

Bein, Harold R., Sr., Westfield, Mass. Self-opening pin or clip for the hair. 2,496,656, Feb. 7.

Belich, Daniel E., West Allis, Wis. Auxiliary bed controlled switch for electric alarm clocks. 2,496,373, Feb. 7.

Bell, Adam C., Jackson Heights, and W. G. Alsop, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Producing polyhydric alcohol esters of fatty acids. 2,496,328, Feb. 7.

Bell Aircraft Corporation, assignee: *See*—
Wolf, Robert A.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Burelbach, Frederick M.
Dubuar, Arthur S.
Lamberty, Frederick R., and Nitterauer.
Llewellyn, Frederick B.
Richardt, John W., Jr., and Shann.
Shann, Oscar A.
Smith, Phillip H.
Wertz, Hugh S.

Bellato, Frank A., assignor to B. Del Carlo, Stockton, Calif. Machine for sizing and cleansing asparagus tips. 2,496,516, Feb. 7.

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.

Bendix Aviation Corporation, assignee: *See*—
Lambert, William J.
Lehman, Samuel K., and Lawrence.
McNaney, Joseph T.
Neild, William G.
Omberg, Arthur C.

Bennett, John R., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Flexible mounting. 2,496,770, Feb. 7.

Bennett, William O., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Seconds setting mechanism. 2,496,690, Feb. 7.

Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescoping structure. 2,496,264, Feb. 7.

Bent, Arthur J., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control valve device. 2,496,904, Feb. 7.

Bergier, Jacques: *See*—
Deschamps, Jean B., and Bergier.

Berglund, Malcolm F., Chicago, Ill. Hydroscope and camera combination. 2,496,430, Feb. 7.

Bernhart, Finn W., Solon, Ohio, assignor to Wyeth Incorporated, Philadelphia, Pa. Production of crystalline penicillin salts. 2,496,848, Feb. 7.

Bernier, Robert E.: *See*—
La Rosa, Vincent S., Shields, and Bernier.

Berry, Clyde F., Manchester, N. H., assignor of one-third to H. H. Pelzer, New York, N. Y. Doorstop and holder. 2,496,691, Feb. 7.

Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polytetrafluoroethylene waxes having a sharp melting point. 2,496,978, Feb. 7.

Bertea, Alex, Pasadena, Calif., deceased; H. D. McKay, executor of said A. Bertea. Valve. 2,496,849, Feb. 7.

Bertonneau, Daniel F., Los Angeles, Calif. Electrohydraulic brake energizer. 2,496,431, Feb. 7.

Bertrand, Raymond, Brussels, assignor to Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, Liege, Belgium. Method and apparatus for manufacturing concrete parts. 2,496,850, Feb. 7.

Billisoly, Julius P., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis process. 2,496,265, Feb. 7.

Billman, John H., Bloomington, Ind. Electrochemical preparation of α-amino-n-butyric acid and N-benzoyl derivative. 2,497,024, Feb. 7.

Bing, Herbert A., and B. J. Wolfe, assignors to Eastman Kodak Company, Rochester, N. Y. Bayonet lock. 2,496,928, Feb. 7.

Bishop, Clarence E.: *See*—
Mansfield, Samuel A., and Bishop.

Bishop, Richard B.: *See*—
Denton, William I., and Bishop.

Black and Decker Manufacturing Company, The, assignee: *See*—
Wilhide, Glenn C.

Blackburn, Wayne E., Hollywood, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,496,692, Feb. 7.

Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,496,432, Feb. 7.

Blaisdell, Charles O., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,496,929, Feb. 7.

Blumenthal, Sidney, & Co., Inc., assignee: *See*—
Kieley, Michael F., and Abbott.

Blumlein, Alan D., deceased, Ealing, London, by D. Blumlein, executrix, Lanherne, Lescudjack, Penzance, Cornwall, assignor to Electric & Musical Industries Limited, Hayes, England. Apparatus for generating electrical impulses. 2,496,979, Feb. 7.

Blumlein, Alan D., deceased, Penzance, Cornwall, by D. Walker, executrix, Penzance, Cornwall, assignor to Electric & Musical Industries Limited, Middlesex, England. Pulsed oscillator. 2,496,980, Feb. 7.

Blumlein, Doreen, executrix: *See*—
Blumlein, Alan D.

Bochau, William A., Baltimore, Md. Flowerpot hanger. 2,496,851, Feb. 7.

Bode, Robert G., and C. A. Gelb, assignors to The Norwood Company, Chicago, Ill. Detachable tone arm mounting. 2,496,693, Feb. 7.

Bodensieck, E. Justus: *See*—
Roth, Jay M., and Bodensieck.

Bodger, Walter K., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Nozzle ring for gas turbines. 2,497,041, Feb. 7.

Boger, Clyde, Sault Ste. Marie, Mich. Timing control system. 2,496,574, Feb. 7.

Bohrer, George J., Troy, N. Y., assignor to General Electric Company. Vinyl halide resins plasticized with a dioctyl tetrachlorophthalate. 2,496,852, Feb. 7.

Bolling, Stewart, Cleveland, Ohio. Tilting head press. 2,496,771, Feb. 7.

Bonham, Walter G., assignor of one-half to F. Vichek, Jr., Chicago, Ill. Combination incubator and brooder. 2,496,433, Feb. 7.

Booth, Ernest, executors: *See*—
Cottrell, Jack A., and Hewitt, and Armitage.

Bosma, Alfred S., New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill. Outboard motor lubricating system 2,496,434, Feb. 7.

Boucher, Charles P., and R. W. Keiser, assignors to Boucher and Keiser Company, Atlanta, Ga. Tubular electric lamp. 2,496,374, Feb. 7.

Boucher, Charles P., and R. W. Keiser, assignors to Boucher and Keiser Company, Atlanta, Ga. Negative reactance lamp system. 2,496,981, Feb. 7.

Boucher and Keiser Company, assignee: *See*—
Boucher, Charles P., and Keiser.

Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Bolometer type telemetric system. 2,496,575, Feb. 7.

Bowser, Inc., assignee: *See*—
Griffith, Clement P.

Boyle, James M., South Norwalk, Conn., and J. W. Thompson, New York, N. Y. Apparatus for sorting and/or selecting record cards. 2,496,435, Feb. 7.

Boyle, Norman T., Brooklyn, N. Y. Marble game. 2,496,436, Feb. 7.

Bradley, John E., Jr., Portland, Maine. Portable clothes drier. 2,496,517, Feb. 7.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Cavity resonator. 2,496,772, Feb. 7.

Bradford, Purdy, Palos Heights, assignor to Swift & Company, Chicago, Ill. Glycerine condensation. 2,496,576, Feb. 7.

Bramble, Donald E., Chicago, Ill. Power-operated body top. 2,496,437, Feb. 7.

Brandt, John R., assignor to Salerno Machinery Company, Chicago, Ill. Stacking device. 2,496,438, Feb. 7.

Briechle, Ambrosius, Brooklyn, N. Y., and E. C. Worden, East Norwalk, Conn., assignors to Remington Rand Inc., Buffalo, N. Y. Variable film exposure aperture and film feed. 2,496,329, Feb. 7.

Briggs & Stratton Corporation, assignee: *See*—
Armstrong, Werner E.

Brimer, Marshall R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Composition useful as gum inhibitor for motor fuels. 2,496,930, Feb. 7.

Brockway Company, The, assignee: *See*—
Guarnaschelli, Stephen.

Brode, George E., Newark, and H. B. Steinhauser, Montclair, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Two-way amplifier for eliminating oppositely directed signals. 2,496,266, Feb. 7.

Brooks, E. J., Company, assignee: *See*—
Brooks, Winfred M.

Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Seal. 2,496,905, Feb. 7.

Brouse, William H. D., Toronto, Ontario, Canada, assignor to Telefiex Incorporated, Philadelphia, Pa. Locking device for push-pull controls. 2,496,931, Feb. 7.

Brown, Byron D., Dallas, Tex. Folding stairway. 2,496,773, Feb. 7.

Brown, Clarence E., Clarksburg, W. Va. Mining machine protective cover unit. 2,496,694, Feb. 7.

Brown, Morris, San Diego, Calif. Riveting equipment. 2,496,330, Feb. 7.

Bruining, Hajo: *See*—
Haayman, Pieter W., and Bruining.

Brukholder, Ezra P., Ephrata, Pa. Crop cutter. 2,496,982, Feb. 7.

Brunner, Eugene E., York, Pa., assignor to The Standard Stoker Company, Incorporated. Belt coupling. 2,496,695, Feb. 7.

Brunswick-Balke-Collender Company, assignee: *See*—
Harris, Forist.

Bryant Chucking Grinder Company, assignee: *See*—
Ljunggren, Thor H., and Moore.

Buchanan, Michael K., Norfolk, Va. Ice cube tray. 2,496,831, Feb. 7.

Buck, Richard S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Thermoelectric gas probe. 2,496,774, Feb. 7.

Buckeye Steel Castings Company, The, assignee: *See*—
Wolfe, Harry H.

Buckle, Richard H., executor: *See*—
Cottrell, Jack A., Hewitt, and Armitage.

Budd Company, The, assignee: *See*—
Gerts, Christian A., and Clay.

Bumber, Walter L., Chicago, Ill. Receptacle closure. 2,496,439, Feb. 7.

Burelbach, Frederick M., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Engine temperature and cowl flap control for aircraft ground trainers. 2,496,617, Feb. 7.

Burkley, Clement J., assignor to Wingfoot Corporation, Akron, Ohio. Antiskid pneumatic tire. 2,496,932, Feb. 7.

Burner, Harold C., and G. E. Nigh, Palestine, Ill. Back hoe excavating implement with tiltable bucket. 2,496,696, Feb 7

Burns, George A., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Indicating board for electric power networks. 2,496,853, Feb. 7.

Burroughs Wellcome & Co. (U. S. A.) Incorporated, assignee: *See*—
Walton, Eric, and Hudson.

C-Eight Laboratories, assignee: *See*—
Caruso, Mario.

Cabot, Thomas H., Jr.: *See*—
Chapin, Bernard L., Davis, and Cabot.

Cadella, Anthony, Fairfield, Conn. Gun type oil burner. 2,496,775, Feb. 7.

Caesar, George V., Staten Island, N. Y., J. V. Bauer, Elmwood Park, and D. M. Hawley, Geneva, Ill, assignors to Stein, Hall & Company, Inc., New York, N. Y. Multiweb bonded paper products. 2,496,440, Feb. 7.

Cahill, Lysle D., Shaker Heights, assignor by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Oil pressure regulator. 2,496,577, Feb. 7.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Textile yarns impregnated with lubricating compositions. 2,496,776, Feb. 7.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Linear polyesters of hydroquinone, saturated glycols and dicarboxylic acids and their preparation. 2,496,933, Feb. 7.

Calingaert, George, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Antiknock mixtures. 2,496,983, Feb. 7.

Callear, Thomas E.: *See*—
Sun, Kuan-Han, and Callear.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic recording apparatus. 2,496,441, Feb. 7.

Canada Packers Limited, assignee: *See*—
Hincks, William J.

Candler, Arthur V. B., Tulsa, Okla. Automatic shutoff valve. 2,496,518, Feb. 7.

Cardox Corporation, assignee: *See*—
Hampel, Clifford A.
Hampel, Clifford A., and Norem.

Cardwell, James R., Barrington, Ill. Draft gear. 2,496,442, Feb. 7.

Carle, Renè, Brooklyn, assignor, by mesne assignments, to Thermo Electric Fuse Corp., New York, N. Y. Resettable circuit breaker. 2,496,332, Feb. 7.

Carnes, Herbert W., Swampscott, assignor to Lacene Manufacturing Corporation, Lawrence, Mass. Adjustment mechanism for skiving knives. 2,496,657, Feb. 7.

Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Adhesive. 2,496,934, Feb. 7.

Carter Carburetor Corporation, assignee: *See*—
Korte, Alfred C., and Szwarguiski.

Carter, Harry W., North East, Pa. Cigarette making device. 2,496,375, Feb. 7.

Caruso, Mario, Maplewood, assignor to C-Eight Laboratories, Newark, N. J. Article dispenser. 2,496,443, Feb. 7.

Cary, Henry H., Alhambra, and K. P. George, assignors to National Technical Laboratories, South Pasadena, Calif. Optical absorption cell. 2,496,333, Feb. 7.

Casco Products Corporation, assignee: *See*—
Thibault, Joseph.

Celanese Corporation of America, assignee: *See*—
Mansfield, Samuel A., and Bishop.
McVeigh, William Beggs, and Baines.
Schneider, George.
Seymour, George W., and Hieserman.

Champayne, Roy J.: *See*—
Pugh, Walter E., and Champayne.

Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Solution of acrylonitrile polymers. 2,496,267, Feb. 7.

Chapin, Bernard L., Winchester, N. L. Davis, Melrose, and T. H. Cabot, Jr., Boston, assignors to New England Carbide Tool Company, Inc., Cambridge, Mass. Knife sharpener. 2,496,578, Feb. 7.

Chapin, Earl C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrene-substituted benzalacetophenone copolymers. 2,496,697, Feb. 7.

Chapman, Asa B., Evanston, Ill., assignor to Conley Frog and Switch Co., Memphis, Tenn. Railway bridge joint. 2,496,855, Feb. 7.

Chapman, George T., Grosse Pointe, Mich. Fishing float. 2,496,334, Feb. 7.

Chapman, Roy C., Detroit, Mich. Window lock. 2,496,698, Feb. 7.

Charpentier, Jesse J.: *See*—
Kelligren, Waldo, and Charpentier.

Chase-Shawmut Company, The, assignee: *See*—
Edsall, William S.

Chatillon, John & Sons, assignee: *See*—
Concklin, George W.

Cheney, Raymond E., Endicott, J. L. Wagner, Endwell, and R. E. Lawhead, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Sensing system for magnetically recorded signals. 2,496,579, Feb. 7.

Chester, Frank R., Santa Monica, Calif. Adjustable measuring receptacle. 2,496,268, Feb. 7.

Chicago Pneumatic Tool Company, assignee: *See*—
Tucker, Mana L.

Chisholm-Ryder Company, Incorporated, assignee: *See*—
Benson, George O.

Christ, Robert E., Elizabeth, N. J., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Dialkyl silane derivative of ricinoleic acid ester. 2,496,335, Feb. 7.

Chrysler Corporation, assignee: *See*—
Balden, Alvin R., and Morse.
Clark, Bruce E.

Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Spring suspension for vehicles. 2,496,906, Feb. 7.

Ciba Limited, assignee: *See*—
Friedrich, Felix, and Heckendorn, Reich, and Oesterlein.

Cisski, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Indexing detent means for optical lens turrets. 2,496,269, Feb. 7.

Cities Service Oil Company, assignee: *See*—
Moyer, Melvin I., and Hersh.

Cizek, Frank G.: *See*—
Hess, Reiza J., and Cizek.

Clark, Bruce E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wiper for limited contact disk brakes. 2,496,699, Feb. 7.

Clark, John R., Silver Spring, Md. Removable cover for bricks. 2,496,984, Feb. 7.

Clark, Robert H., assignee: *See*—
Wilson, Harry C.

Clarke, Lewis H., Brookline, Mass. Liquid cooler. 2,496,777, Feb. 7.

Clason, Bertil H., Flint, assignor to General Motors Corporation, Detroit, Mich. Temperature responsive switch. 2,497,025, Feb. 7.

Claus, William H., Downers Grove, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Switch lock control and indication. 2,496,580, Feb. 7.

Clay, William H.: *See*—
Gerts, Christian A., and Clay.

Cleaveland, Le Roy A., Mountainside, and F. H. Tooker, West Orange, assignors to United States Instrument Corporation, Summit, N. J. Interrupter. 2,496,376, Feb. 7.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of butadiene and monocyclic terpene alcohol esters of acrylic acids. 2,496,935, Feb. 7.

Clutz, Charles W., and E. A. Young, assignors to Eastman Kodak Company, Rochester, N. Y. Scale engraving and numbering apparatus. 2,496,936, Feb. 7.

Cochran, Richard, South Gate, Calif. Lawn edger. 2,496,377, Feb. 7.

Coeterier, Frederik, Eindhoven, Netherlands, assignor by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. as trustee. Cavity resonator device for ultra-short waves. 2,496,378, Feb. 7.

Cole, Emmett R., Peru, Ind. Steam boiler. 2,496,985, Feb. 7.

Cole, Frederick A., Detroit, Mich. Knob assembly. 2,496,700, Feb. 7.

Coler, Myron A., assignor to Synergistics, Inc., New York, N. Y. Skin dressings with fugitive colors. 2,496,270, Feb. 7.

Colgate-Palmolive-Peet Company, assignee: *See*—
Bell, Adam C., and Alsop.
Ross, John, and Gebhart.

Collins and Williams Company, Incorporated, assignee: *See*—
Williams La Vergne H.

Columbus Auto Parts Company, The, assignee: *See*—
Flumerfelt, William A.

Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, assignee: *See*—
Bertrand, Raymond.

Compco Corporation, assignee: *See*—
Patrick, Paul E.

Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Folding basket for market carriers. 2,496,778, Feb. 7.

Conley Frog and Switch Co., assignee: *See*—
Chapman, Asa B.

Consolidated Car-Heating Company, Inc., assignee: *See*—
Griffin, Percy M.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Simpson, Norman H., and Cutter.

Cook, Charles B., Jr., West Hartford, Conn. Carbon paper. 2,496,856, Feb. 7.

Cook, Fay V., assignor to Stanolind Pipe Line Company, Tulsa, Okla. Diesel fuel. 2,496,444, Feb. 7.

Cory Corporation, assignee: *See*—
Aladorf, James W.

Cottrell, Jack A., D. H. Hewitt, and F. Armitage, Homerton, London, E. Booth and R. H. Buckle, both of London, England, executors of said Hewitt, deceased, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Allyl esters of cyclohexyl substituted succinic acids. 2,496,271, Feb. 7.

Coutant, André C., and J. Mathot, Paris, France. Tripod with ball-and-socket joint. 2,496,986, Feb. 7.

Cowsert, Ross, assignee: *See*—
Johnson, Victor E.

Cox, Duncan W. F.: *See*—
Cox, William M., and Cox.

Cox, Isaac E., Kirkwood, Mo., assignor to American Brake Shoe Company, New York, N. Y. Machine tool. 2,496,379, Feb. 7.

Cox, William M., Woodside, and D. W. F. Cox, Hillside Heights, N. Y. Combination warning signal and trouble lamp. 2,496,618, Feb. 7.

Crane Co., assignee: *See*—
Scott, Andrew, and Amstutz.

Crank, Carroll, Clarence, Mo. Removable ventilated rib for shotgun barrels. 2,496,854, Feb. 7.

Crawford, Duffer B., assignor to Elliott Company, Jeannette, Pa. Gas purifying method and apparatus. 2,496,380, Feb. 7.

Critchfield, Charles W., Alma, Ga. Pan-type liquid fuel burner for tobacco curers. 2,496,987, Feb. 7.

Crompton & Knowles Loom Works, assignee: *See*—
Hemingway, Joseph J.

Cronstedt, Val, Malboro, and A. H. King, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Reduction gear unit. 2,496,857, Feb. 7.

Crowley, Millard E., Elk Grove, assignor of twenty-four percent to W. C. Nichols, and twenty-five percent to W. H. Newlands, San Francisco, Calif. Hop-picking machine. 2,496,858, Feb. 7.

Cube Steak Machine Co., assignee: *See*—
Spang, William F.

Culbertson, John H., Princeton, N. J. Multijointed device. 2,496,519, Feb. 7.

Cumberland Case Co., assignee: *See*—
Swingle, Donald R.

Cummings, William G., Tulsa, Okla. Dope brush. 2,496,381, Feb. 7.

Cunningham, Cecil, East Orange, N. J. Megaphone including mouth and earpieces. 2,496,988, Feb. 7.

Cunningham, Edward P., Jr., New Rochelle, N. Y. Merchandise case. 2,496,619, Feb. 7.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersion of ethylene polymers containing a salt of a polymeric amic acid. 2,496,989, Feb. 7.

Cupo, William J., Jersey City, N. J., assignor to Waldorf Paper Products Co., St. Paul, Minn. Carton and sealing the flaps thereof. 2,496,336, Feb. 7.

Current, Ira B., U. S. Navy. Apparatus for the duplicating of index cards and the like for cross filing purposes. 2,496,272, Feb. 7.

Curry, Arthur V., San Francisco, Calif. Combination radio receiver and coin savings bank. 2,496,620, Feb. 7.

Curtis, Richard C., Short Hills, N. J., and S. J. Martin, Long Island City, assignors to Faximile, Inc., New York, N. Y. Exciter lamp operation. 2,496,273, Feb. 7.

Cutter, Paul R.: *See*—
Simpson, Norman H., and Cutter.

Dale, Colin B., Barrington, assignor to Webster-Chicago Corporation, Chicago, Ill. Tone arm mounting. 2,496,382, Feb. 7.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph record changer. 2,496,658, Feb. 7.

Dalzell, Clarence W., West Caldwell, assignor to Heyer Industries Incorporated, Belleville, N. J. Battery charger. 2,496,859, Feb. 7.

Daniel, Garth W., Austin, Tex. Adjustable shower. 2,496,520, Feb. 7.

Daniels, Vitold J., Des Plaines, Ill., assignor to Magnesium Company of America, East Chicago, Ind. Loading ramp. 2,496,445, Feb. 7.

Darnielle, Robert B.: *See*—
Wild, Rudolf F., and Darnielle.

Davis, Alto J., Montgomery, Ala. Apparatus for heat-treating metal objects. 2,496,383, Feb. 7.

Davis, Elwood T., Brookline, assignor to Leeds and Northrup Company, Philadelphia, Pa. Control system. 2,496,860, Feb. 7.

Davis, Noble L.: *See*—
Chapin, Bernard L., Davis, and Cabot.

Dawson, Emma R., assignee: *See*—
Smith, Samuel H.

Dawson, Fred, Manchester, England, assignor to Imperial Chemical Industries Limited. Production of dispersions containing solid polymers of ethylene. 2,496,907, Feb. 7.

Day, Harold M., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of cation active resins. 2,497,054, Feb. 7.

Dean, William W. H., Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America. Control circuit. 2,496,446, Feb. 7.

De Boer, Jan, and G. Schenkel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pickup provided with a member for protecting the scanning needle. 2,496,861, Feb. 7.

De Boisblanc Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter. 2,496,337, Feb. 7.

Deere & Company, assignee: *See*—
Andrews, Norman F., and Dort.
Lesser, Nathan.

Deering, Roland F.: *See*—
Deery, Roland F.

Deery, Roland F., now by judicial change of name to E. F. Deering, assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic hydration of olefins. 2,496,621, Feb. 7.

De Flores, Luis, U. S. Navy. Aircraft instrument. 2,496,274, Feb. 7.

De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Wind direction indicator. 2,496,339, Feb. 7.

De Groff, Kenneth C., South Bend, Ind. Photographic printing easel. 2,496,701, Feb. 7.

De Jong, Frans H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Welding apparatus and control therefor actuated by an electric current pulse timer. 2,496,779, Feb. 7.

Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Ventilation system. 2,496,862, Feb. 7.

De Nardis, Cornelius R., Elmhurst, and J. J. Albin, Far Rockaway, N. Y. Kitchen shredder for both leafy and stalky vegetables. 2,496,780, Feb. 7.

De Nie, Willem L. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Emulsion polymerization process for the manufacture of copolymers of homogeneous composition. 2,496,384, Feb. 7.

Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,496,659, Feb. 7.

Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of aromatic nitriles. 2,496,660, Feb. 7.

Denton, William I., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,496,661, Feb. 7.

Deschamps, Jean B., and J. Bergier, assignors to Ste' S. E. R. A. P. (Societe d'Etudes, de Recherches et d'Applications des Poudres agglomerees), Paris, France. Producing cast iron rich in carbon. 2,496,363, Feb. 7.

Diamond Alkali Company, assignee: *See*—
Olson, Harry S.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Single side band modulation system. 2,496,521, Feb. 7.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Polymers and copolymers of unsaturated amides. 2,496,275, Feb. 7.

Doggett, Cecil M., San Antonio, and J. E. Doggett, Houston, Tex. Refuse can container. 2,496,522, Feb. 7.

Doggett, John E.: *See*—
Doggett, Cecil M. and J. E.

Dolas, Michael, New York, N. Y. Artist's maulstick. 2,496,276, Feb. 7.

Doll, Henri-Georges, Houston, Tex., assignor to Electro-Mechanical Research Incorporated, Ridgefield, Conn. Electrooptical function synthesizer. 2,497,042, Feb. 7.

Dort, Russell L.: *See*—
Andrews, Norman F., and Dort.

Douglas Aircraft Company, Inc., assignee: *See*—
Del Mar, Bruce E.

Doux, Alfred W., New York, N. Y. Serving device. 2,496,908, Feb. 7.

Dow Corning Corporation, assignee: *See*—
Sommer, Leo H.

Downing, Frederick H., Balboa, C. Z. Picture hanger. 2,496,990, Feb. 7.

Drapier, Jean P., Lyon, France. Aerodyne having wings movable in circular translation. 2,496,385, Feb. 7.

Dresser, Frank G., Providence, R. I. Device for reading meniscuses. 2,496,447, Feb. 7.

Drienka, John S., Chicago, Ill. Wallpaper pasting device. 2,496,581, Feb. 7.

Dubourg, Jean, Paris, France. Apparatus for contacting solids with fluids. 2,496,523, Feb. 7.

Dubuar, Arthur S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing circuits for determining relay time intervals. 2,496,622, Feb. 7.

Dunaway, Frank, Cowden, Ill. Feeding arm for hay balers. 2,496,524, Feb. 7.

Dunlavey, Robert J., assignor to Ampro Corporation, Chicago, Ill. Projector lens mounting with adjusting and locking means. 2,496,448, Feb. 7.

Dunmire, Russell P., Orange, assignor to Nutrition Products, Inc., Cleveland, Ohio. Apparatus for producing a stabilized vitamin compound. 2,496,277, Feb. 7.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Barney, Arthur L.
Berry, Kenneth L.
Cupery, Martin E.
Foster, Robert E.
McMillan, Donald.

Duryea, O. C., Corporation, assignee: *See*—
Simonson, Sigvard.

Dykman Manufacturing Corporation, assignee: *See*—
Dykman, Reinhold W., and Haubroe.

Dykman, Reinhold W., and C. A. Haubroe, assignors, by mesne assignments, to Dykman Manufacturing Corporation, Baltimore, Md. Flexible coupling. 2,496,702, Feb. 7.

Earhart, Kenneth A., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Trialkyl silane derivative of ricinoleic acid ester. 2,496,340, Feb. 7.

Eastman Kodak Company, assignee: *See*—
Bing, Herbert A., and Wolfe.
Brimer, Marshall R.
Caldwell, John R.
Clutz, Charles W., and Young.
Dickey, Joseph B.
Hagemeyer, Hugh J., Jr.
Hanson, Wesley T., Jr., and Richey.
Hutchison, Miller R., Jr.
Kenyon, William O., Unruh, and Fowler, Jr.
Luboshez, Benjamin E.
Rodgers, John A.
Sun, Kuan-Han, and Callear.

Ebauches S. A., assignee: *See*—
Haidegger, Hans.

Eberhard, Everett, Haddonfield, N. J., assignor to Radio Corporation of America. Pulse amplitude discrimination. 2,496,909, Feb. 7.

Eddy, Clyde W., Berkeley, Calif., assignor to United States of America as represented by the Secretary of Agriculture. Drying fruit or vegetable materials containing added methyl cellulose. 2,496,278, Feb. 7.

Economy Pumps, Inc., assignee: *See*—
Morey, Carl.

Edelman, Abraham: *See*—
De Giers, Clarence A., and Edelman.

Edens, Henry N., Freeport, assignor to Fairbanks, Morse & Co., Chicago, Ill. Internal-combustion engine. 2,496,449, Feb. 7.

Edison, Thomas A., Incorporated, assignee: *See*—
Somers, Richard M., and Weltzer.

Edsall, William S., Cambridge, assignor to The Chase-Shawmut Company, Newburyport, Mass. Adapter for cutout base receptacles. 2,496,662, Feb. 7.

Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed changing apparatus. 2,496,937, Feb. 7.

Eggleston, Walter F., Oklahoma City, Okla. Cleaner for drain pipes. 2,496,525, Feb. 7.

Ehrenstein, Maximillian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. 19-nordesoxycorticosterone. 2,496,450, Feb. 7.

Eichenberg, Robert, assignor to McEvoy Company, Houston, Tex. Refinery valve. 2,496,451, Feb. 7.

Eichenberg, Robert, Houston, and F. Gober, Baytown, assignors to McEvoy Company, Houston, Tex. Valve. 2,496,452, Feb. 7.

Eichmann, Richard M., New York, N. Y. Pantograph. 2,496,781, Feb. 7.

Ekbom, Hilmer N., Goteborg, Sweden. Three-way gravity liquid separation. 2,496,703, Feb. 7.

Electric & Musical Industries Limited, assignee: *See*—
Blumlein, Alan D.

Electric Storage Battery Company, The: *See*—
Galloway, Charles D.

Electrolux Corporation, assignee: *See*—
Peterson, Gustav A.

Electro-Mechanical Research Incorporated, assignee: *See*—
Doll, Henri-Georges.

Elliott Company, assignee: *See*—
Crawford, Duffer B.

Elliott, Harold F., Belmont, Mass. Control apparatus. 2,496,453, Feb. 7.

Elliott, Harold F., Belmont, Mass. Control device for radio tuners. 2,496,454, Feb. 7.

Elliott, Harold F., Belmont, Mass. Tuning control apparatus. 2,496,455, Feb. 7.

Elliott, Harold F., San Francisco, Calif. Electric control apparatus. 2,496,456, Feb. 7.

Elliott, Harold F., San Francisco, Calif. Control mechanism. 2,496,457, Feb. 7.

Ely, Robert S., Westbury, and I. M. Ketcham, Roslyn Heights, assignors, by mesne assignments, to Safeway Heat Elements, Inc., New York, N. Y. Flexible electric heater for deicing air foils. 2,496,279, Feb. 7.

Emeloid Co. Incorporated, The, assignee: *See*—
Madan, Edward K. and R. W.

Emsco Derrick & Equipment Company, assignee: *See*—
Tremolada, Guglielmo R.

Emulsol Corporation, The, assignee: *See*—
Katzman, Morris, and Epstein.

Endicott, Claude A., Cottage Hills, Ill. Plasterer's tool. 2,496,280, Feb. 7.

Endsley, Louis E., Pittsburgh, Pa., and J. E. Justus, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Engine fuel control means. 2,496,458, Feb. 7.

Engel, Arthur C., Haverhill, Mass. Prepared molded shoe vamp. 2,496,782, Feb. 7.

Engel, Arthur C., Haverhill, Mass. Shoe-vamp blank. 2,496,783, Feb. 7.

Ensink, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiver circuit-arrangement for low-frequency or carrier wave telephony systems. 2,496,784, Feb. 7.

Ensminger, Enid L., assignee: *See*—
Ayers, Allyn L.

Ensminger, Ralph B., assignee: *See*—
Ayers, Allyn L.

Enyeart, Charles R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Concentrating polyalkylene oxide condensation products. 2,496,582, Feb. 7.

Epstein, Albert K.: *See*—
Katzman, Morris, and Epstein.

Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Absorption or adsorption refrigeration. 2,496,459, Feb. 7.

Ethyl Corporation, assignee: *See*—
Calingaert, George.

Eureka Williams Corporation, assignee: *See*—
Hammell, Kemper M.

Evans, Joseph, Shelton, assignor to The Armstrong Rubber Company, West Haven, Conn. Pneumatic float. 2,496,460, Feb. 7.

Fahnoe, Harold H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,496,704, Feb. 7.

Fairbanks, Morse & Co., assignee: *See*—
Edens, Henry N.
Endsley, Louis E., and Justus.

Falcone, Ralph, Washington, D. C. Scaffold or trestle header. 2,496,526, Feb. 7.

Fantozzi, Vincent J.: *See*—
Metzger, Leopold H., and Fantozzi.

Farmingdale Corporation, The, assignee: *See*—
Sherwood, Walter.

Farr, Edward A., and J. P. Theisen, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Waffle iron. 2,496,705, Feb. 7.

Faximile, Inc., assignee: *See*—
Curtis, Richard C., and Martin.

Feaster, Allen F., Boulder, Colo. Tool post. 2,496,583, Feb. 7.

Federal Telephone and Radio Corporation, assignee: *See*—
Bachmann, John F.
Brode, George E., and Steinhauser.

Felix, Friedrich, and A. Heckendorn, Basel, E. Reich, N. Welt, and F. Oesterlein, assignors to Ciba Limited, Basel, Switzerland. Single-bath chrome dyeing process for wool. 2,496,386, Feb. 7.

Ferro Enamel Corporation, The, assignee: *See*—
Goda, Ernest H.

Fewings, David J.: *See*—
Kemp, Roland J., and Fewings.

Fiedler, Edmond F., Adams, and G. R. Lucas, Pittsfield, Mass., assignors to General Electric Company. Emulsion polymerization of styrene. 2,496,864, Feb. 7.

Fiedler, Richard D., Burt, N. Dak. Mobile pile driver. 2,496,706, Feb. 7.

Fink, Arthur, New York, N. Y. Composition of matter suitable for dental liners. 2,496,387, Feb. 7.

Finneburgh, Lewis H., Jr., and M. R. Friedberg, Cleveland Heights, and A. G. Turk, assignors to The Gabriel Company, Cleveland, Ohio. Antenna reel. 2,496,785, Feb. 7.

Fisher, Ernest F., assignor to Whiting Corporation, Harvey, Ill. Fly ash and dust collector. 2,496,281, Feb. 7.

Fisher, George A., Selinsgrove, Pa., assignor to Wm. S. Scull Company, Camden, N. J. Manufacture of nut butter. 2,496,461, Feb. 7.

Fisher, George A., Selinsgrove, Pa., assignor to Wm. S. Scull Company, Camden, N. J. Roasting whole nuts. 2,496,462, Feb. 7.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Electronic discharge device. 2,496,865, Feb. 7.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,496,866, Feb. 7.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.

Flowers, Ralph G., Pittsfield, Mass., assignor to General Electric Company. 3-vinylpyrene and preparing the same. 2,496,867, Feb. 7.

Flowers, Ralph G., Pittsfield, Mass., assignor to General Electric Company. Polymers of 3-vinylpyrene. 2,496,868, Feb. 7.

Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Joint construction. 2,496,869, Feb. 7.

Folkers, Karl: *See*—
Sheehan, John C., Mosingo, Folkers, and Tishler.

Food Machinery and Chemical Company, assignee: *See*—
Wilson, Roland E.
Krueger, Frank W.

Forrest, Ruth, Houston, Tex. Bottle holder. 2,496,527, Feb. 7.

Foster, Robert E., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ring acylated aromatic compounds. 2,496,786, Feb. 7.

Foufounis: *See*—
Paillais, Jean M.

Foufounis, Jean T., alias J. M. Paillais, Paris, France. Device for measuring the degree of adhesion of vehicle wheels to their tracks. 2,496,405, Feb. 7.

Fowler, William F., Jr.: *See*—
Kenyon, William O., Unruh, and Fowler, Jr.

Fox, Charles A., Oakland Village, Mo. Door latching device. 2,497,026, Feb. 7.

Fox, Charles L., assignor of one-half to J. W. Barnard, Independence, Mo. Power take-off for vehicles. 2,486,787, Feb. 7.

Fragale, John E., Wooster, Ohio. Two-stroke cycle internal-combustion engine. 2,496,623, Feb. 7.

Franklin Appliance Company, assignee: *See*—
Schwarz-Kast, Ernst L.

Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe welt, seam, and rib ironing machine. 2,496,341, Feb. 7.

Freeman, Louis G., Company, The, assignee: *See*—
Herbers, Joseph G.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Reciprocating contact switch. 2,496,282, Feb. 7.

Fridolph, Annette E., New York, N. Y. Structural strip member for interior wall decoration. 2,496,910, Feb. 7.

Friedberg, Milton R.: *See*—
Finneburgh, Lewis H., Jr., Friedberg, and Turk.

Friedman, Thomas B., Cleveland Heights, Ohio, assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Antenna attaching device. 2,496,938, Feb. 7.

Fritzsch, Frank A., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Metal working apparatus. 2,496,663, Feb. 7.

Frye, Robert P., Marlboro, Mass. Sportsman's knife. 2,496,707, Feb. 7.

Fuller, Carl T., Billings, Mont. Rodent trap. 2,496,708, Feb. 7.

Gabriel Company, The, assignee: *See*—
Finneburgh, Lewis H., Jr., Friedberg, and Turk.

Gaddis, Roy C., Cedar Rapids, Iowa. Self-unloading wagon. 2,496,463, Feb. 7.

Gaines, William H., Estill Springs, Tenn. Automobile tool. 2,496,528, Feb. 7.

Gall, James E., Washington, D. C. Electronic generator circuit. 2,496,283, Feb. 7.

Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Mold for casting storage battery straps. 2,496,991, Feb. 7.

Gebhart, Arthur I.: *See*—
Ross, John, and Gebhart.

Geib, Charles A.: *See*—
Bode, Robert G., and Geib.

Geiger, Edward F., and R. B. Johnson, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Retaining ring for dial covers and the like. 2,496,584, Feb. 7.

Geigy, J. R., A. G., assignee: *See*—
Martin, Henry, and Gysin.

Gelardin, Albert, New York, N. Y. Flat primary battery and cell unit. 2,496,709, Feb. 7.

General Aniline & Film Corporation, assignee: *See*—
Anish, Alfred W.
Anish, Alfred W., and Hensley.
Enyeart, Charles R.
Thompson, Thomas R.
Wasley, William L.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Bohrer, George J.
Fiedler, Edmond F., and Lucas.
Fiske, Milan D.
Flowers, Ralph G.
Lafferty, James M.
Livingston, Orrin W.
Nelson, Richard B.
Staley, Ronald W.
Stimson, Allen G.

General Mills, Inc., assignee: *See*—
Aelony, David.
Moe, Owen A.
Salo, Paul W., and Huber.

General Motors Corporation, assignee: *See*—
Clason, Bertil H.
Johnston, Hal C.
MacPherson, Earle S.
Pearce, George C.
Roedding, Gordon E.

General Steel Castings Corporation, assignee: *See*—
Travilla, James C., Jr.

General Tire & Rubber Company, The, assignee: *See*—
Bennett, John R.

Gentry, Clarence M., and F. G. Parrott, Gastonia, N. C. Tape cylinder mounting. 2,496,464, Feb. 7.

George, Kenyon P.: *See*—
Cary, Henry H., and George.

Gerta, Christian A., Philadelphia, and W. H. Clay, Rydal, assignors to The Budd Company, Philadelphia, Pa. Apparatus, including rolls with mandrel gripping and work contacting portions for making curved profiles. 2,497,043, Feb. 7.

Gilbey, John S., assignor to Horsnell's Machine and Iron Works, Ltd., Fredericton, New Brunswick, Canada. Log loading and unloading device for vehicles. 2,496,388, Feb. 7.

Gillespie, Bruce G., Union, N. J., assignor to Standard Oil Development Company. Forming synthesis gas. 2,496,342, Feb. 7.

Gillespie, Bruce G., Union, N. J., assignor to Standard Oil Development Company. Red-iron oxide type fluid catalyst for hydrocarbon synthesis. 2,496,343, Feb. 7.

Gillespie, Charles N., Waltham, Mass., assignor to Radio Corporation of America. Phasing apparatus. 2,496,788, Feb. 7.

Gillespie, Sidney L., assignor to Woodward Governor Company, Rockford, Ill. Control apparatus. 2,496,284, Feb. 7.

Glaser, Marcus, New York, N. Y. Testing radio receivers to determine the number of turns of the loop antenna. 2,497,027, Feb. 7.

Glidden, Arthur R., Seattle, Wash. Antisiphoning device. 2,496,992, Feb. 7.

Gober, Forrest: *See*—
Eichenberg, Robert, and Gober.

Goda, Ernest H., East Cleveland, assignor to The Ferro Enamel Corporation, Cleveland, Ohio. Refining of rutile. 2,496,993, Feb. 7.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Fuel controlling apparatus for longitudinally movable combustion chambers. 2,496,710, Feb. 7.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Pumping apparatus for very cold liquids. 2,496,711, Feb. 7.

Goebel, Wilbur O., Knoxville, Iowa. Feeder for honeybees. 2,496,285, Feb. 7.

Goessel, Elmer, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Multipole anode circuit breaker and operator therefor. 2,496,789, Feb. 7.

Goldberg, Edwin A., Princeton, N. J., assignor to Radio Corporation of America. Frequency dividing network. 2,496,994, Feb. 7.

Golde, Edith, Los Angeles, Calif. Combination underwaist and brassière. 2,496,529, Feb. 7.

Goldman, Joshua H., United States Navy. Air control valve. 2,496,286, Feb. 7.

Goldspiel, Solomon, and J. Meisler, Brooklyn, N. Y. Fluid spreader. 2,496,712, Feb. 7.

Gonzalez, Julio, Hudson County, N. J. Drill. 2,496,939, Feb. 7.

Goodman, Ben, assignor to Greenmount Manufacturing Company, Baltimore, Md. Tire casing spreader. 2,496,289, Feb. 7.

Goodrich, B. F., Company, The, assignee: *See*—
Krupp, Carroll P.

Gorton, George, assignor to George Gorton Machine Co., Racine, Wis. Guide collet. 2,496,995, Feb. 7.

Gorton, George, Machine Co., assignee: *See*—
Gorton, George.

Goss, Harry E., San Francisco, Calif. Automatic primer. 2,496,465, Feb. 7.

Goulding, Francis A., assignor to Hivac Limited, Harrow-on-the-Hill, England. Cathode for thermionic tubes. 2,496,530, Feb. 7.

Graham, Frank O., assignor to Temprite Products Corporation, Detroit, Mich. Liquid cooling apparatus. 2,496,466, Feb. 7.

Granberg, Albert J., Oakland, Calif. Self-priming pump. 2,496,870, Feb. 7.

Graver Tank & Mfg. Co., Inc., assignee: *See*—
Prager, Frank D., and Ulm.

Gray, Harold M., Masontown, Pa. Spring shackle of C type construction. 2,496,713, Feb. 7.

Gray, Thomas E., Atlanta, Ga. Garment hanger. 2,496,531, Feb. 7.

Green, Lawrence B., Glendale, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Method and apparatus for forming plastic laminates. 2,496,911, Feb. 7.

Greenberg's, M., Sons, assignee: *See*—
Hendrickson, Harold G., and Hagberg.

Greenmount Manufacturing Company, assignee: *See*—
Goodman, Ben.

Griffin, Percy M., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Flexible shaft coupling. 2,496,871, Feb. 7.

Grifith, Clement P., assignor to Bowser, Inc., Fort Wayne, Ind. Pump shutoff mechanism. 2,496,467, Feb. 7.

Grifith, Dinsmore L., and E. I. Isherwood, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Electrolytic recovery of zinc. 2,496,996, Feb. 7.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Device for integrating a variable quantity. 2,496,912, Feb. 7.

Gross, Henry E., Chicago, Ill. Portable marine foundation. 2,496,532, Feb. 7.

Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Mechanism for forming coils. 2,496,913, Feb. 7.

Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Apparatus for making flexible metal hose. 2,496,790, Feb. 7.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Guinot, Henri M., Versailles, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Cyclic ether peroxide catalysts in the polymerization of conjugated diolefins. 2,496,390, Feb. 7.

Gysin, Hans: *See*—
Martin, Henry, and Gysin.

Haayman, Pieter W., and H. Bruining, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Semiconductive resistance provided with metal contacts. 2,496,346, Feb. 7.

Hagan Corporation, assignee: *See*—
Hopwood, John M.

Hagberg, Verner J.: *See*—
Hendrickson, Harold G., and Hagberg.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Forming unsaturated acid esters. 2,496,791, Feb. 7.

Haidegger, Hans, Soleure, assignor to Ebauches S. A., Grenchen Soleure, Switzerland. Slider for slide fasteners. 2,496,964, Feb. 7.

Haines, David T., Dallas, Tex. Star hand knob. 2,496,714, Feb. 7.

Hall, Albert C., Boston, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Servo-mechanism. 2,496,391, Feb. 7.

Hall, Keith W., Toledo, Ohio, assignor, by mesne assignments, to The Baldwin Locomotive Works. Force multiplying mechanism. 2,496,344, Feb. 7.

Hallberg, Carl G., assignor to Acme Metal Products Corporation, Chicago, Ill. Drawer slide construction. 2,496,997, Feb. 7.

Hallstead, Leon A., assignor to X-T Building Block, Inc., Buffalo, N. Y. Building block with spaced slabs. 2,496,872, Feb. 7.

Hamilton Watch Company, assignee: *See*—
Bennett, William O., Jr.

Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Thermostatic control mechanism. 2,496,715, Feb. 7.

Hampel, Clifford A., Harvey, Ill., and W. L. Norem, Richmond, Calif., assignors to Cardox Corporation, Chicago, Ill. Separating chemical compounds. 2,496,287, Feb. 7.

Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Separation and recovery of inorganic salts. 2,496,288, Feb. 7.

Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Separation and recovery of inorganic salts. 2,496,289, Feb. 7.

Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Separation and recovery of inorganic salts. 2,496,290, Feb. 7.

Hanna, John W., Chicago, Ill. Swinging frame portable saw. 2,496,716, Feb. 7.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Improving filament life. 2,496,717, Feb. 7.

Hanson, Walter C., Fresno, assignor of one-half to D. R. McKinley, Sacramento, Calif. Doughnut cutting machine. 2,496,468, Feb. 7.

Hanson, Wesley T., Jr., and F. A. Richey, assignors to Eastman Kodak Company, Rochester, N. Y. Mixed grain photographic process. 2,496,940, Feb. 7.

Haranis, John, assignee: *See*—
Bartho, John C.

Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. N-(di-substituted thiocarbamyl-thiomethylene) aromatic amines. 2,496,941, Feb. 7.

Harper, Leonard R., West Hempstead, assignor to International Business Machines Corporation, New York, N. Y. Contiguous rotation counter. 2,496,585, Feb. 7.

Harris, Forist, Merced, Calif., assignor to Brunswick-Balke-Collender Company, Chicago, Ill. Sander. 2,496,718, Feb. 7.

Hart-Carter Company, assignee: *See*—
Bosma, Alfred S.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Coeterier, Frederik.
De Boer, Jan, and Schenkel.
De Jong, Frans H.
Ensink, Johannes.
Haayman, Pieter W., and Bruining.
Van den Berg, Dirk A.
Von Hoorn, Adriaan J.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,496,719, Feb. 7.

Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Apparatus for recording time intervals. 2,496,392, Feb. 7.

Hatherell, George A., Roscoe, Calif. Marble shooter. 2,496,345, Feb. 7.

Haubroe, Charles A.: *See*—
Dykman, Reinhold W., and Haubroe.

Hawley, Don M.: *See*—
Caesar, George V., Bauer, and Hawley.

Hayden, William L., Bryn Mawr, Pa. Mouse and rat trap. 2,496,393, Feb. 7.

Heckendorn, Alphonse: *See*—
Felix, Friedrich, Heckendorn, Reich, and Oesterlein.

Heiman, Sidney J., St. Louis, Mo. Heater fan mounting. 2,496,720, Feb. 7.

Heimer, Henry H.: *See*—
Werner, William V., and Heimer.

Hein, Carl C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,496,721, Feb. 7.

Heintze, Carl P., Amityville, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Constant speed drive for helicopter rotors. 2,496,624, Feb. 7.

Hellberg, Carl W., Chicago, Ill. Combined coffee brewer cover and stand. 2,496,792, Feb. 7.

Hemingway, Joseph J., Paxton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker stick check for looms. 2,496,722, Feb. 7.

Hendrickson, Harold G., Daly City, and V. J. Hagberg, assignors to M. Greenberg's Sons, San Francisco, Calif. Fixture for lathe turning of angularly disposed surfaces. 2,496,533, Feb. 7.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and working plastic materials. 2,496,625, Feb. 7.

Henning, William W.: *See*—
Baker, David B., Bechman, and Henning.

Henry, William L., Johnstown, Pa. Vehicle spring. 2,496,534, Feb. 7.

Hensley, Lee C.: *See*—
Anish, Alfred W., and Hensley.

Herbers, Joseph G., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Clutch and brake mechanism for ornamenting machines. 2,496,793, Feb. 7.

Herbst, Harry T., Roselle, N. J., assignor to The Linde Air Producta Company. Inert gas blanketed welding rod feed process. 2,496,347, Feb. 7.

Hermanson, William A., Brooklihe, Mass. Composite transparent sheet. 2,496,665, Feb. 7.

Hersh, Joseph M.: *See*—
Moyer, Melvin L., and Hersh.

Hersbberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Radio echo systems with means for protecting receivers. 2,496,998, Feb. 7.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heating furnace. 2,496,914, Feb. 7.

Hess, Reiza J., and F. G. Cizek, assignors to American Steel Foundries, Chicago, Ill. Hydraulic press. 2,497,044, Feb. 7.

Hewitt, Donald H.: *See*—
Cottrell, Jack A., Hewitt, and Armitage.

Heyer Industries Incorporated, assignee: *See*—
Dalzell, Clarence W.

Heyman, Nicholas C., New York, N. Y. Phonographic toy telephone. 2,496,666, Feb. 7.

Hieserman, Clarence E.: *See*—
Seymour, George W., and Hieserman.

High, Jurjen S., deceased, by R. High, executrix, Philadelphia, Pa. Pneumatic dual rotary vibrator. 2,496,291, Feb. 7.

High, Rie, executrix: *See*—
High, Jurjen S.

Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Front-mounted tractor mower. 2,496,469, Feb. 7.

Hill, Keith A., Rockford, Ill. Calculating device. 2,496,942, Feb. 7.

Hinch, William H.: *See*—
Molloy, Everett W., and Hinch.

Hincks, William J., Norwood, Manitoba, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada. Tail-hide stripping assembly. 2,496,394, Feb. 7.

Hipple, John A., Jr., Verona, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Logarithmic amplifier. 2,496,723, Feb. 7.

Hivac Limited, assignee: *See*—
Goulding, Francis A.

Hoch, Donald A. Lemoyne, Pa. Wallpaper removing device. 2,496,794, Feb. 7.

Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Vacuum tank drain valve. 2,496,470, Feb. 7.

Hoenig, Sallee, New York, N. Y. Combination undergarment. 2,496,348, Feb. 7.

Hoffer, James F., Detroit, assignor to Superdraulic Corporation, Dearborn, Mich. Variable delivery pump. 2,496,915, Feb. 7.

Hoffman, Manfred T., Newburyport, assignor to Merrimac Hat Corporation, Amesbury, Mass., and Neumann-Endler, Inc., Danbury, Conn. Felting and shrinking process. 2,496,873, Feb. 7.

Hoglund, Ralph H., G. E. Hulstede, and A. J. Yakutis, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Unitary control for velocity-modulation tubes. 2,496,535, Feb. 7.

Holmes, Gifford I., *See*—
Holmes, Thomas W., and G. I.

Holmes, Thomas W., St. Paul, Minn., and G. I. Holmes, Detroit, Mich. Heating system. 2,496,540, Feb. 7.

Holmquist, Knut S.: *See*—
Nordenskjöld, Tore, and Holmquist.

Holopainen, Valno J., assignor to Wain-Roy Corporation, Hubbardston, Mass. Ditchdigging attachment for tractors. 2,496,874, Feb. 7.

Hook, Wesley B., Arlington, Va. Securing a semicylindrical liner in a pump bore. 2,496,292, Feb. 7.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Desulfurization of crude and cracked petroleum distillates. 2,496,536, Feb. 7.

Hopkins, Edward J.: *See*—
Staunton, Le Roy, Atkinson, and Hopkins.

Hopwood, John M., Mount Lebanon, Pa., assignor to Hagan Corporation. Threadless coupling. 2,496,667, Feb. 7.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. High-pressure fluid sealing assembly. 2,496,471, Feb. 7.

Horsnell's Machine and Iron Works, Ltd., assignee: *See*—
Gilbey, John S.

Host, John J., Lincolnwood, Ill., assignor to American Optical Company, Southbridge, Mass. Slide carrier. 2,496,724, Feb. 7.

Hotcaveg, Irwin, Chicago, Ill. Simulated boxing toy. 2,496,725, Feb. 7.

Houpt, Alfred G., Stamford, and C. W. Smith, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Pressurized reaction of ammoniacal gases to HCN. 2,496,999, Feb. 7.

Howard Iron Works, Inc., assignee: *See*—
Meixl, Carl.

Huber, Louis J.: *See*—
Salo, Paul W., and Huber.

Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Blower for hay choppers. 2,496,472, Feb. 7.

Hudson Bay Mining and Smelting Co., Limited, assignee: *See*—
Griffith, Dinsmore L., and Isherwood.

Hudson, Bertram J. F.: *See*—
Walton, Eric, and Hudson.

Huff, Kenneth O., Dodge City, Kans. Self-locking chain hoist trailer. 2,496,537, Feb. 7.

Hulstede, George E.: *See*—
Hoglund, Ralph H., Hulstede, and Yakutis.

Hunt, Douglas P., and V. S. McCarthy, Montevideo, Minn. Garment support. 2,496,473, Feb. 7.

Hunt, William: *See*—
Kemp, William W., and Hunt.

Hussa, Leopold R., Portland, Oreg. Power take-off. 2,496,538, Feb. 7.

Husted, Harry F., Shavertown, Pa. Ladder foot. 2,496,539, Feb. 7.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Sound film scanning apparatus with automatic light variation compensation. 2,496,943, Feb. 7.

Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Vertically swingable extension for tractor drawbars. 2,496,474, Feb. 7.

Imperial Chemical Industries Limited, assignee: *See*—
Dawson, Fred.

Inflico Incorporated, assignee: *See*—
Adelson, Samuel L.

International Business Machines Corporation, assignee: *See*—
Cheney, Raymond E., Wagner, and Lawhead.
Geiger, Edward F., and Johnson.
Harper, Leonard R.
Rast, Frederick Q.

International Harvester Company, assignee: *See*—
Avila, Frank.
Baker, David B., Beckmand, and Henning.
Hilblom, Samuel E.
Hudson, Floyd G.
Huddle, Edwin F.
Hyman, Benjamin M.
Lyle, James E.
Prosek, John R.
Raney, Russell R.

Isherwood, Eldon I.: *See*—
Griffith, Dinsmore L., and Isherwood.

I-T-E Circuit Breaker Company, assignee: *See*—
Goessel, Elmer.

Ivers-Lee Company, assignee: *See*—
Salisbery, Leroy L.

Jack & Heintz Precision Industries, Inc.: *See*—
Bousky, Samuel.
Cahill, Lysle D.

Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Spherical tank shell. 2,496,626, Feb. 7.

Jackson, Virgil S., Weirton, W. Va., assignor to National Steel Corporation. Apparatus for grooving rolls. 2,496,395, Feb. 7.

Jacobs, Oles B., Melrose Park, Ill. Locking holder. 2,496,726, Feb. 7.

James, Lorenzo D., assignor of one-half to F. L. Taulman, Long Beach, Calif. Tail gate fastening means. 2,496,944, Feb. 7.

Jeffrey Manufacturing Company, The, assignee: *See*—
Whitney, Paul V.

Jenkins, William C., Inglewood, Calif. Automatic electric tractor guide. 2,496,727, Feb. 7.

Jerauld, Frank C., and H. A. MacKnight, Cranston, assignors to Winsor & Jerauld Manufacturing Company, Providence, R. I. Tenter clip. 2,496,475, Feb. 7.

Johnson, Alfred H., Downey, Calif. Thread retainer and saver. 2,496,945, Feb. 7.

Johnson, Harry O., Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Tuyère structure. 2,497,000, Feb. 7.

Johnson, Kenneth A., San Bernardino, Calif. Tether ball game apparatus. 2,496,795, Feb. 7.

Johnson, Montgomery H., Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Bridge for measuring electromagnetic wave energy. 2,496,541, Feb. 7.

Johnson, Reynold B.: *See*—
Geiger, Edward F., and Johnson.

Johnson, Victor E., assignor to R. Cowsert, Royal Oak, Mich. Combination furniture. 2,497,001, Feb. 7.

Johnston, Hal C., assignor to General Motors Corporation, Dayton, Ohio. Instrument for testing rupture strength of sheet material. 2,496,627, Feb. 7.

Jonsson, John H.: *See*—
Larsson, Eric J., and Jonsson.

Justinian, Joseph L., New Orleans, La. Adjustable combination keyless lock. 2,496,542, Feb. 7.

Justus, James E.: *See*—
Endsley, Louis E., and Justus.

K & K Manufacturing Company, assignee: *See*—
Kayser, Allan J.

Kalart Company, Inc., The, assignee: *See*—
Schwartz, Morris.

Kanner, Morton H., deceased, late of New York, N. Y., by S. Kanner, administrator, New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Controlled width pulse generator. 2,496,543, Feb. 7.

Kanner, Samuel, administrator: *See*—
Kanner, Morton H.

Kaplan, Morris, Chicago, Ill. Electric plug. 2,496,476, Feb. 7.

Kardon, Emanuel S., Melrose Park, Pa. Bag and making the same. 2,496,796, Feb. 7.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of inorganic oxide spherical particles. 2,496,396, Feb. 7.

Katzman, Morris, and A. K. Epstein, assignors to The Emulsol Corporation, Chicago, Ill. Ether derivatives. 2,496,875, Feb. 7.

Kayser, Allan J., assignor to K & K Manufacturing Company, Denver, Colo. Hay distributing truck. 2,496,876, Feb. 7.

Kee, Yee T., Uniontown, Pa. Shield for ironing machines. 2,496,544, Feb. 7.

Keet, Gabriel C. E., Florida, Transvaal, Union of South Africa. Multiple and rotatable stamp mill. 2,496,477, Feb. 7.

Keiser, Russell W.: *See*—
Boucher, Charles P., and Keiser.

Kelley, Maurice J.: *See*—
Leupold, Henry F., and Kelley.

Kellgren, Waldo, and J. J. Charpentier, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liner for adherent rubber surfaces and the like. 2,496,349, Feb. 7.

Kellogg, M. W., Compay, The, assignee: *See*—
Ashton, Everett H.
Lake, Francis G.

Kellogg, Spencer, 2nd, Glen Head, N. Y., assignor to The Sperry Corporation. Speed governing system for dirigible craft. 2,496,294, Feb. 7.

Kemp, C. M., Manufacturing Company, The, assignee: *See*—
Kemp, William W., and Hunt.

Kemp, Roland J., and D. J. Fewings, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Pulse echo range finding system and impulse generator therefor. 2,497,002, Feb. 7.

Kemp, William W., and W. Hunt, assignors to The C. M. Kemp Manufacturing Company, Baltimore, Md. Rotary proportioning and mixing apparatus. 2,496,586, Feb. 7.

Kendall, Paul D.: *See*—
Tresise, Raleigh E., and Kendall.

Kenyon, William O., C. C. Unruh, and W. F. Fowler, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing oxidized cellulose gauze. 2,496,797, Feb. 7.

Kershaw, Norman G., London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Scotch block apparatus. 2,496,916. Feb. 7.

Ketcham, Irving M.: *See*—
Ely, Robert S., and Ketcham.

Kieley, Michael F., Derby, and A. R. Abbott, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Lay construction for looms. 2,496,628, Feb. 7.

Kiernan, Earl F., San Diego, Calif. Crystal holder. 2,496,293. Feb. 7.

Killingsworth, Robert B., Douglaston, and R. S. Sheie, West Brighton, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Polyvinyl resin dispersions. 2,497,045. Feb. 7.

King, Alexander H.: *See*—
Cronstedt, Val, and King.

Kinnebrew, Walter L., Stockton, Calif. Bottle holder. 2,496,487, Feb. 7.

Kirkpatrick, Henry O., assignor to Advance Manufacturing, Inc., Detroit, Mich. Air conditioning apparatus. 2,497,028, Feb. 7.

Kleen Refrigerator, Inc., assignee: *See*—
Erland af Kleen, Nils.

Kluge, Herman D., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Rust-inhibiting lubricating composition. 2,496,798, Feb. 7.

Knapp-Monarch Company, assignee: *See*—
Kochner, William B., and Ward.

Kochner, William B., St. Louis, Mo., and L. T. Ward, East Orange, N. J., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Life belt projectile. 2,496,479, Feb. 7.

Koppers Company, Inc., assignee: *See*—
Thayer, Helen I.

Korte, Alfred C., and A. N. Sawargulski, assignors to Carter Carburetor Corporation, St. Louis, Mo. Oil pressure control and warning device. 2,497,029, Feb. 7.

Kraemer, Fenton, Marysville, Kans. Lathe chuck. 2,496,545, Feb. 7.

Kraus, Gerard: *See*—
Soller, Walter, and Kraus.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Fluorination of polymeric materials. 2,497,046, Feb. 7.

Krueger, Frank W., Saratoga, Calif., assignor to Food Machinery and Chemical Corporation. Method of and apparatus for sealing containers. 2,496,877, Feb. 7.

Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing closure. 2,496,878, Feb. 7.

Lacene Manufacturing Corporation, assignee: *See*—
Carnes, Herbert W.

Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. High-frequency detection and measurement device. 2,496,879, Feb. 7.

Lake, Francis G., assignor to The M. W. Kellogg Company, New York, N. Y. Multisection crankshaft. 2,496,397, Feb. 7.

Lamb, Roy A., assignor to Merla Tool Corporation, Dallas, Tex. Pump anchoring device. 2,496,546, Feb. 7.

Lambert, William J., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Combined radio and intercommunication system. 2,496,398, Feb. 7.

Lamberty, Frederick R., Rockville Centre, N. Y., and F. D. Nitterauer, Minneapolis, Minn.; said Lamberty assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Nitterauer assignor to American Telephone and Telegraph Company. Combined telephone and paging system. 2,496,629, Feb. 7.

Lanckton, Elizabeth N., administratrix: *See*—
Lanckton, Merle F.

Lanckton, Merle F., deceased, Castile, N. Y.; E. N. Lanckton, administratrix. Wrench having threaded jaw shank adjusted by sleeve-enclosed interrupted-thread nut having projections yieldably interlocking with sleeve. 2,496,799, Feb. 7.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,496,630, Feb. 7.

Langer, Rudolph M., U. S. Navy. Vibration spectrometer. 2,496,295, Feb. 7.

Lankford, Francis M., Houston, Tex. Cylinder liner. 2,496,547, Feb. 7.

Larkins, Emil H., Cleveland, Ohio. Cutter adjuster. 2,496,800, Feb. 7.

La Rosa, V., & Sons, assignee: *See*—
La Rosa, Vincent S., Shields, and Bernier.

La Rosa, Vincent S., J. Shields, and R. E. Bernier, Danielson, Conn., assignor to V. La Rosa & Sons, Brooklyn, N. Y. Macaroni weighing machine. 2,496,548, Feb. 7.

Larson, Carl A., Julesburg, Colo. Metal clothesline frame. 2,496,549, Feb. 7.

Larson, Carl E., Indianapolis, Ind., assignor to E. M. Larson, Chicago, Ill., as trustee. Amusement device. 2,497,003, Feb. 7.

Larson, Eva M., assignee, trustee: *See*—
Larson, Carl E.

Larsson, Eric J., and J. H. Jonsson, Harnas, assignors to Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Recovering chemicals in the manufacture of cellulose by digestion according to the alkaline sulfite and/or alkaline bisulfite methods. 2,496,550, Feb. 7.

Laubhan, Herman R., Inglewood, Calif. Batter dispenser. 2,496,728, Feb. 7.

Lavin, Edward, and A. T. Marinaro, Springfield, and W. R. Richard, West Springfield, assignors to Shawinigan Resins Corporation, Springfield, Mass. Preparation of polyvinyl acetal resins of improved stability. 2,496,480. Feb. 7.

Lawhead, Robert E.: *See*—
Cheney, Raymond E., Wagner, and Lawhead.

Lawrence, Donald M.: *See*—
Lehman, Samuel K., and Lawrence.

Lawson, James L., and F. W. Martin, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Logarithmic cascade amplifier. 2,496,551, Feb. 7.

Lazan, Benjamin J., Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Vibration testing apparatus. 2,496,632, Feb. 7.

Leeds and Northrup Company, assignee: *See*—
Davis, Elwood T.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Fastener structure. 2,496,946, Feb. 7.

Lehman, Samuel K., Brooklyn, N. Y., and D. M. Lawrence, Caldwell, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure control. 2,496,729, Feb. 7.

Leland, George H., Dayton, Ohio. Magnetically operated device. 2,496,880, Feb. 7.

Lesser, Nathan, assignor to Deere & Company, Moline, Ill. Industrial truck. 2,496,399, Feb. 7.

Les Usines de Melle (Societe Anonyme): *See*—
Guinot, Henri M.

Leupold, Henry F., Nutley, and M. J. Kelley, Bloomfield, assignors to Nopco Chemical Company, Harrison, N. J. Wool treatment. 2,496,631, Feb. 7.

Lewis, George A., Independence, Calif. Water-level recording device having clock operated starting means. 2,496,552, Feb. 7.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Clamping device. 2,497,030, Feb. 7.

Lily-Tulip Cup Corporation, assignee: *See*—
Perlman, Albert A.

Lindbeck, Simon L., Wilkinsburg, and W. O. Osbon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency sensitive network. 2,496,730, Feb. 7.

Linde Air Products Company, The, assignee: *See*—
Herbst, Harry T.

Lipe-Rollway Corporation, assignee: *See*—
Root, Robert S.

Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A., and Edelman.

Liesman Marcel A., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency converter. 2,497,055, Feb. 7.

Littlefield, Edgar E., Los Angeles, Calif. Valve mechanism. 2,496,553, Feb. 7.

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Compensated degenerative control circuit. 2,496,681, Feb. 7.

Ljunggren, Thor H., and W. F. Moore, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Feed carriage control mechanism. 2,496,400, Feb. 7.

Llewellyn, Frederick B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multitarget cathode-ray device. 2,496,633, Feb. 7.

Lobl, Frederick, Middleboro, Mass. Portable refrigerated container. 2,496,296, Feb. 7.

Lockwood, Lewis B., and F. H. Stodola, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Culturing bacteria. 2,496,297. Feb. 7.

Lodge and Shipley Company, The, assignee: *See*—
Fritzsch, Frank A.

Longo, Anthony, Cranston, R. I., assignor to M. Longo & Sons Inc. Fresh produce package cooled by ice. 2,496,731, Feb. 7.

Longo, M., & Sons Inc., assignee: *See*—
Longo, Anthony.

Lowry, Edwin J., San Francisco, Calif. Garment clamp for ironing boards. 2,496,801, Feb. 7.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Film processing machine with film operated control means for a fluid applicator. 2,496,947, Feb. 7.

Lucas, Glennard R.: *See*—
Fiedler, Edmond F., and Lucas.

Ludlow Valve Manufacturing Co., Inc., The, assignee: *See*—
Thompson, Alfred W., and Weinberg.

Lundell, Vernon, Meriden, Iowa. Trailer dump. 2,496,350, Feb. 7.

Lutz, Raymond P., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulation composition for electrical devices. 2,496,948, Feb. 7.

Lyle, James E., Canton, Ill., assignor to International Harvester Company. Colter mounting. 2,496,481, Feb. 7.

Lyman, Kenneth E., Lake Forest, assignor to Tucker Corporation, Chicago, Ill. Quick disconnector for electrical systems. 2,496,732, Feb. 7.

Lynn, Gary, Melrose Park, Ill. Mechanical pencil. 2,496,554. Feb. 7.

Maclay, William D.: *See*—
Owens, Harry S., McCready, and Maclay.

Mackas, George, Brooklyn, N. Y., assignor to the United States of America as represented by the Secretary of War. Shock testing apparatus. 2,496,298, Feb. 7.

Mackie, George W., Scranton, Pa. Mechanism for rolling baby carriages and the like. 2,496,733, Feb. 7.

MacKnight, Harry A.: *See*—
Jerauld, Frank C., and MacKnight.

MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Vehicle wheel. 2,497,031, Feb. 7.

Macreadie, Margaret W., Winnipeg, Manitoba, Canada. Pocket glove. 2,496,734, Feb. 7.

Madan, Edward K. and R. W., Maplewood, assignors to The Emeloid Co. Incorporated, Arlington, N. J. Lamp shade and making the same. 2,496,482, Feb. 7.

Madan, Robert W.: *See*—
Madan, Edward K. and R. W.

Magnesium Company of America, assignee: *See*—
Daniels, Vitold J.

Malhiot, Eugene L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling slip multiple terminal banks. 2,496,949, Feb. 7.

Malone, Walter F., Longview, Wash. Covered dustpan. 2,496,735, Feb. 7.

Maloney, William T., Clinton, N. Y. Manufacture of precipitated silica. 2,496,736, Feb. 7.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Schramm, Christopher H., and Smith.

Manseau, David O., Berkley, Mich. Nutating axis rotary compressor. 2,496,668. Feb. 7.

Mansfield, Samuel A., and C. E. Bishop, Narrows, Va., assignors to Celanese Corporation of America. Finishing process for spinning jets. 2,496,299, Feb. 7.

Marcot, Guy C., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Preparation of cadmium sulfoselenide reactants. 2,496,587, Feb. 7.

Marcot, Guy C., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Controlled flux in calcining cadmium pigment crude. 2,496,588, Feb. 7.

Marcus, Jerome R., Chicago, and O. F. Warning, Melrose Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. High-frequency heating apparatus for sequentially brazing a plurality of parts in a protective atmosphere. 2,496,950, Feb. 7.

Marinaro, Alfred T.: *See*—
Lavin, Edward, and Marinaro, and Richard.

Marquis, John F., assignor to Operadio Manufacturing Co., St. Charles, Ill. Double diaphragm loud-speaker. 2,496,589, Feb. 7.

Marsh, Corbin, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Heavy-media separation process for assorting solids. 2,496,590, Feb. 7.

Marshall, Walter R.: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.

Martin, Francis W.: *See*—
Lawson, James L., and Martin.

Martin, Henry, and H. Gysin, assignors to J. R. Geigy A. G., Basel, Switzerland. N-aroyl alanine amides. 2,496,882, Feb. 7.

Martin, Stephen J.: *See*—
Curtis, Richard C., and Martin.

Masal, Vincent, Reading, Pa. Arch supporting means. 2,496,802, Feb. 7.

Massa, Frank, Cleveland Heights, Ohio. Loud-speaker with diaphragm an integral part of outer casing. 2,496,483, Feb. 7.

Massa, Frank, Cleveland Heights, Ohio. Magnetostrictive phonograph pickup. 2,496,484, Feb. 7.

Mathot, Jacques: *See*—
Coutant, André C., and Mathot.

Matthias, Lynn H., Fox Point, and E. C. Ragats, Whitefish Bay, assignors to Allen-Bradley Company, Milwaukee, Wis. Contact for electrical switches. 2,496,555, Feb. 7.

Maxwell, Thomas, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Socket assembly tool. 2,496,591, Feb. 7.

Mazzoni, James J., Richmond Heights, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Pulse jet engine with telescopic thrust augmenter. 2,496,351, Feb. 7.

McCabe, James E., Jackson Heights, N. Y. Retractable shock-absorbing landing gear. 2,497,004, Feb. 7.

McCallick, William P., and Y. L. Sanchez, Los Angeles, Calif. Flush type door handle. 2,496,737, Feb. 7.

McCarthy, Vincent S.: *See*—
Hunt, Douglas P., and McCarthy.

McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,496,738, Feb. 7.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McConnell, Hilliard J., Vancouver, British Columbia, Canada. Pie plate lifter. 2,497,005, Feb. 7.

McCoy, Dawson A. and J. E., Jr., Hamlin, Tex. Protector for dispensing hose valves. 2,497,006, Feb. 7.

McCoy, Jimmy E., Jr.: *See*—
McCoy, Dawson A. and J. E., Jr.

McCready, Rolland M.: *See*—
Owens, Harry S., McCready, and Maclay.

McDonnell Aircraft Corporation, assignee: *See*—
Mazzoni, James J.

McEvoy Company, assignee: *See*—
Eichenberg, Robert.

McKalip, James C., Pittsburgh, Pa. Gasoline tank cap. 2,496,883, Feb. 7.

McKay, H. Dexter, executor: *See*—
Berta, Alex.

McKenney, Henry F.: *See*—
Newell, William H., and McKenney.
McKinley, David R., assignee: *See*—
Hanson, Walter C.
McKinney, Walter, Childress, Tex. Truck crane. 2,496,401, Feb. 7.
McLean, Lyle G., assignee: *See*—
Thomas, Roy R.
McMillan, Donald, Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of veratraldehyde from vanillin. 2,496,803, Feb. 7.
McNaney, Joseph T., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Remote control and indicating system. 2,496,485, Feb. 7.
McVeigh, William B., and R. H. Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America. Friction grip. 2,496,402, Feb. 7.
Meadow, Jacob R., Lexington, Ky., and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Copolymerization of thiophene with styrene. 2,496,669, Feb. 7.
Mead, Milton S., Jr., U. S. Army, Schenectady, N. Y. Crystal-controlled means for stabilizing frequency of oscillator circuit. 2,496,300, Feb. 7.
Meisler, Joseph: *See*—
Goldspiel, Solomon, and Meisler.
Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel injection device. 2,496,804, Feb. 7.
Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Starting series of compressors. 2,496,805, Feb. 7.
Meixl, Carl, Orchard Park, assignor to Howard Iron Works, Inc., Buffalo, N. Y. Tube bundle assembly for heat exchangers and the like. 2,496,301, Feb. 7.
Melidoni, Constantine, Fort Lee, N. J. Cable adjuster. 2,497,007, Feb. 7.
Melidoni, Constantine, Fort Lee, N. J. Valve stem seal. 2,497,008, Feb. 7.
Melnick, Daniel, Kew Gardens Hills, assignor, by mesne assignments, to Astrol Products, Inc., New York, N. Y. Fortifying feeds. 2,496,634, Feb. 7.
Menkhaus, Walter P., Philadelphia, Pa. Electronic control for electrically operated devices. 2,496,486, Feb. 7.
Mensin, Abraham, New York, N. Y. Toy frame for stuffed toys. 2,496,951, Feb. 7.
Mercier, Jean, New York, N. Y. Shock absorber. 2,496,952, Feb. 7.
Merck & Co., Inc., assignee: *See*—
Sheehan, John C., Mozingo, Folkers, and Tishler.
Wilson, Evelyn, Weijlard, and Tishler.
Wolf, Frank J., and Pfister, III.
Meria Tool Corporation, assignee: *See*—
Lamb, Roy A.
Merriam, Charles W., Jr., Taunton, and F. K. Perkins, Newton, Mass. Ship loading evaluating device. 2,496,302, Feb. 7.
Merrimac Hat Corporation, assignee: *See*—
Hoffman, Manfred T.
Metzger, Leopold H., and V. J. Fantozzi, assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill. Abrasive wheel. 2,496,352, Feb. 7.
Meyercord Co., The, assignee: *See*—
Ohman, Herbert A.
Miles, Carroll C., Leominster, Mass. Making picture frames. 2,496,884, Feb. 7.
Millard, Edgar W., Elyria, Ohio. Automatic safety flow control. 2,497,032, Feb. 7.
Mills, Irwin F., Associates, assignee: *See*—
Friedman, Thomas B.
Milton, Paul E., Johnstown, Colo. Planter. 2,496,885, Feb. 7.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wild, Rudolf F., and Darnielle.
Wills, Walter P.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Kellgren, Waldo, and Charpentier.
Minuto, Rene, New York, N. Y. Molding. 2,497,009, Feb. 7.
Mixon, Lawson W.: *See*—
Watson, Roger W., and Mixon.
Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Polyhydroxyalkyl ethers of carbohydrate gums. 2,496,670, Feb. 7.
Moffatt, Elbert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Gas temperature probe of the thermocouple type. 2,496,806, Feb. 7.
Moffatt, Elbert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Gas probe of the thermocouple type. 2,496,807, Feb. 7.
Molloy, Everett W., Pasadena, Calif., and W. H. Hinch, Denver, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation alarm and measurement device. 2,496,886, Feb. 7.
Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.
Monsanto Chemical Company, assignee: *See*—
Chapin, Earl C.
Nason, Howard K., and Mowry.
Montgomery, Harold R., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Titanium carbide article. 2,496,671, Feb. 7.
Montgomery, William J., Lakewood, Ohio. Highway-railway grade crossing. 2,496,739, Feb. 7.
Moore, Edmund B., Birmingham, Ala. Golf club holding device. 2,496,808, Feb. 7.
Moore, William C., Stamford, Conn., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Production of copper oxide pellets. 2,496,353, Feb. 7.
Moore, Willis F.: *See*—
Ljunggren, Thor H., and Moore.
Moran, Albert E.: *See*—
Smyth, Glen M., and Moran.
Morey, Carl, assignor to Economy Pumps, Inc., Hamilton, Ohio. Hydraulic valve operating mechanism. 2,496,740, Feb. 7.
Morgan, Edward, Dayton, Ohio. Bicycle stand. 2,496,593, Feb. 7.
Morgan, James E., Lakewood, Ohio. Bed back rest. 2,496,592, Feb. 7.
Morin, Louis H., Bronx, N. Y. Coreless scoop machine. 2,497,010, Feb. 7.
Morscher, Mae E., Chicago, Ill. Luggage carrier. 2,497,033, Feb. 7.
Morse, Leland M.: *See*—
Balden, Alvin R., and Morse.
Morse, Rupert O., and J. W. Nuttall, Hamilton, Ontario, Canada, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tipping-off operation and product. 2,496,303, Feb. 7.
Moseley, Francis L., Osborn, Ohio, assignor to The Sperry Corporation. Radio controlled pilot system. 2,496,809, Feb. 7.
Moses, Harry, Brooklyn, N. Y. Comb-barrette. 2,496,487, Feb. 7.
Motorola, Inc., assignee: *See*—
Wallin, Gus W.
Mowry, David T.: *See*—
Nason, Howard K., and Mowry.
Moyer, Melvin I., Pawhuska, and J. M. Hersh, assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting hydrogen sulfide corrosion of metals. 2,496,354, Feb. 7.
Moyer, Melvin I., Pawhuska, and J. M. Hersh, assignors to Cities Service Oil Company, Bartlesville, Okla. Formaldehyde corrosion inhibitor compositions. 2,496,594, Feb. 7.
Moyer, Melvin I., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Formaldehyde corrosion inhibitor compositions. 2,496,595, Feb. 7.
Moyer, Melvin I., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Formaldehyde corrosion inhibitor compositions. 2,496,596, Feb. 7.
Mozingo, Ralph: *See*—
Sheehan, John C., Mozingo, Folkers, and Tishler.
Muenzmay, Joseph T.: *See*—
Walters, John D., and Muenzmay.
Muffly, Glenn, Springfield, Ohio. Bottle cooling and dispensing refrigerator. 2,496,304, Feb. 7.
Murray Corporation of America, The, assignee: *See*—
Weimer, Leland S.
Nader Engineering Company, assignee: *See*—
Watkins, Raymond O.
Nardulli, Peter F., assignor to Western Engineering Trust, Chicago, Ill., trustees. Dust guard for railway journal boxes. 2,497,056, Feb. 7.
Nash-Kelvinator Corporation, assignee: *See*—
Philipp, Lawrence A.
Nason, Howard K., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 2-methyl-4-keto-1,3-benzothioxane. 2,496,741, Feb. 7.
National Broach & Machine Company, assignee: *See*—
Austin, Donald D., Sr.
National Steel Corporation, assignee *See*—
Jackson, Virgil S.
National Technical Laboratories, assignee: *See*—
Cary, Henry H., and George.
Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Temperature compensated regulator. 2,496,742, Feb. 7.
Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electric regulator. 2,496,743, Feb. 7.
Neilsen, Peter C., Chicago, Ill. Razor motor casing. 2,496,744, Feb. 7.
Nelson, Alvin J., Oshkosh, Wis. Scaffold supporting bracket. 2,496,556, Feb. 7.
Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. High-frequency electrical apparatus. 2,496,887, Feb. 7.
Nerrie, Ralph A., Fayson Lake, Butler, N. J. Educational link. 2,496,810, Feb. 7.
Neumann-Endler, Inc., assignee: *See*—
Hoffman, Manfred T.
Newell, William H., New York, and H. F. McKenney, Flushing, N. Y., assignors to The Sperry Corporation. Electrical system. 2,497,011, Feb. 7.
New England Carbide Tool Company, Inc., assignee: *See*—
Chapin, Bernard L., Davis and Cabot.
Newlands, Welles H., assignee: *See*—
Crowley, Millard E.

Newman, Alexander, Los Angeles, Calif. Hair drying apparatus. 2,496,597, Feb. 7.
Newman, Isidor, New York, N. Y. Device for removing sealing closures. 2,496,672, Feb. 7.
Newton, Charles W., Kansas City, Mo. Chalk holder for attachment to measuring sticks. 2,496,811, Feb. 7.
Nichols, William C., assignee: *See*—
Crowley, Millard E.
Nicholson, Floyd G., Cambridge, Nebr. Casting device for fishing lines. 2,496,403, Feb. 7.
Nielsen, John V., assignor to Poster Products, Inc., Chicago, Ill. Drawer construction. 2,496,673, Feb. 7.
Nigh, George E.: *See*—
Burner, Harold C., and Nigh.
Nitterauer, Franklin D.: *See*—
Lamberty, Frederick R., and Nitterauer.
Noblitt-Sparks Industries, Inc., assignee: *See*—
Farr, Edward A., and Thelsen.
Nopco Chemical Company, assignee: *See*—
Leupold, Henry F., and Kelley.
Schiller, Bernhardt, and Beach.
Nordenskjöld, Tore, Malmö, and K. S. Holmquist, Stockholm, Sweden. Treatment of masses containing chocolate. 2,496,557, Feb. 7.
Norem, Winfred L.: *See*—
Hampel, Clifford A., and Norem.
Norton Company, assignee: *See*—
Montgomery, Harold R.
Norwood Company, The, assignee: *See*—
Bode, Robert G., and Gelb.
Nutrition Products, Inc., assignee: *See*—
Dunmire, Russell P.
Nuttall, James W.: *See*—
Morse, Rupert O., and Nuttall.
Ocheltree, Arthur L., New York, N. Y. Valve construction and control. 2,496,635, Feb. 7.
Oesterlein, Fritz: *See*—
Felix, Friedrich, Heckendorn, Reich and Oesterlein.
Ohio Brass Company, The, assignee: *See*—
Lewis, Warren J.
Ohman, Herbert A., Geneva Heights, assignor to The Meyercord Co., Chicago, Ill. Radio dial. 2,496,488, Feb. 7.
O'Kelly, Arlie A.: *See*—
Meadow, Jacob R., and O'Kelly.
Olson, Harry S., Palmesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Suspensions of chlorinated materials and making the same. 2,496,745, Feb. 7.
Omberg, Arthur C., Owings Mills, assignor to Bendix Aviation Corporation, Towson, Md. System for ground speed determination. 2,496,674, Feb. 7.
Operadio Manufacturing Co., assignee: *See*—
Marquis, John F.
Opperman, Roy, assignor, by mesne assignments, to Radiron Corporation, Miamisburg, Ohio. Electric iron. 2,496,746, Feb. 7.
Orrell, Joseph B., Drexel Hill, Pa., assignor to Abbotts Dairies, Incorporated, Philadelphia, Pa. Fruit strainer. 2,496,636, Feb. 7.
Ortmeier, Merrell R., Freeport, Ill. Self-unloading trailer. 2,496,305, Feb. 7.
Osbon, William O.: *See*—
Lindbeck, Simon L., and Osbon.
Owens, Harry S., R. M. McCready, and W. D. Maclay, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of low-methoxyl pectins. 2,496,306, Feb. 7.
Pacific Mills, assignee: *See*—
Shann, William E.
Paillais, Jean M., alias: *See*—
Foufounis, Jean T.
Paillais, Jean M., alias Foufounis, Paris, France. Self view finder for portrait photography. 2,496,404, Feb. 7.
Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Hose reel. 2,496,489, Feb. 7.
Palmer, De Witt H., Cincinnati, Ohio. Oil reconditioning or clarifying apparatus. 2,496,888, Feb. 7.
Panoramic Radio Corporation, assignee: *See*—
Wallace, Marcel.
Pape, John W., Indian Hill, Ohio, and G. S. Santmyers, Los Angeles, Calif., said Santmyers assignor to said Pape. Toilet bowl cleaner. 2,497,057, Feb. 7.
Paravox, Inc., assignee: *See*—
Tresise, Raleigh E., and Kendall.
Parker Appliance Company, The, assignee: *See*—
Wolfram, John N.
Parrott, Fred G.: *See*—
Gentry, Clarence M., and Parrott.
Pasquet, Henri M. E., Neuilly-sur-Seine, assignor to Societe d-Applications Generales d'Electricite & de Mecanique, Sagem, Paris, France. Optical projection apparatus with normal illumination means. 2,496,675, Feb. 7.
Paterson Engineering Company, assignee: *See*—
Baily, Edgar W.
Patrick, Paul E., Arlington Heights, assignor to Compco Corporation, Chicago, Ill. Slide binder apparatus. 2,496,406, Feb. 7.
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Switch for domestic appliances. 2,496,889, Feb. 7.
Pearl, Daniel M., Chicago, Ill. Bicycle stop light. 2,497,012, Feb. 7.
Pease, John W., deceased, Rochester, N. Y., by W. N. Pease, executrix, Rochester, N. Y. Apple celling and slicing machine. 2,496,637, Feb. 7.
Pease, Winnifred N., executrix: *See*—
Pease, John W.
Peet, Nick P., Baytown, Tex., assignor to Standard Oil Development Company. Catalytic apparatus. 2,496,356, Feb. 7.
Peltier, Frank D., Jenkintown, and M. C. Terry, Rydal, assignors to Philco Corporation, Philadelphia, Pa. Air conditioning apparatus. 2,496,355, Feb. 7.
Pelzer, Harold H., assignee: *See*—
Berry, Clyde F.
Perelman, Albert A., Brooklyn, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Dispenser for paper cups and the like. 2,496,812, Feb. 7.
Perkins, Albert G., Warsaw, N. Y. Milk flow control for milking machines. 2,496,307, Feb. 7.
Perkins, Frank K.: *See*—
Merriam, Charles W., Jr., and Perkins.
Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Reeling system. 2,496,890, Feb. 7.
Peterson, Edwin T., Des Moines, Iowa. Display sign. 2,496,747, Feb. 7.
Peterson, Gustav A., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Pipe joint. 2,496,813, Feb. 7.
Petty, Olive S., assignee: *See*—
Hasbrook, Arthur F.
Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Internal-combustion turbine plant. 2,496,407, Feb. 7.
Pfister, Karl, III: *See*—
Wolf, Frank J., and Pfister, III.
Philco Corporation, assignee: *See*—
Bradley, William E.
Peltier, Frank D., and Terry.
Phillipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerant evaporator. 2,496,558, Feb. 7.
Phillips, Joseph J., Orland Park, Ill. Perpetual status cycle wheel. 2,496,490, Feb. 7.
Phillips, Joseph J., Orland Park, Ill. Filing wheel. 2,496,491, Feb. 7.
Phillips Petroleum Company, assignee: *See*—
Barton, Hugh M., Jr.
De Boisblanc, Deslonde R.
Piechaczek, Alojzy, Edinburgh, Scotland. Surgical and medical syringes. 2,496,559, Feb. 7.
Pinnere, Dante A., assignor to The Zipper Scarf Corporation, Rochester, N. Y. Automatic neck fitting scarf. 2,496,953, Feb. 7.
Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.
Plastline Corporation, The, assignee: *See*—
Wittgren, Charles.
Poitras, Edward J., Holliston, Mass. Thermostatic switch. 2,496,917, Feb. 7.
Polanco, Nicholas, Miami, Fla. Camera diaphragm operating attachment. 2,496,408, Feb. 7.
Polaroid Corporation, assignee: *See*—
Land, Edwin H.
Pond, Charles P., Dallas, Tex. Apparatus for teaching acrobatics. 2,496,748, Feb. 7.
Poster Products, Inc., assignee: *See*—
Nielsen, John V.
Potdevin Machine Company, assignee: *See*—
Bechle, Rudolph P.
Powernails Company, assignee: *See*—
Anstett, Edgar P.
Powers, Frank T., Jr., executor: *See*—
Powers, Frank T.
Powers, Frank T., Glen Cove, N. Y.; F. T. Powers, Jr., and J. M. Powers, executors of said F. T. Powers, deceased, assignors to Powers Photo Engraving Company. Plate burner for photoengraving. 2,496,814, Feb. 7.
Powers, John M., executor: *See*—
Powers, Frank T.
Powers Photo Engraving Company, assignee: *See*—
Powers, Frank T.
Prager, Frank D., Chicago, Ill., and R. C. Ulm, East Chicago, Ind., assignors to Graver Tank & Mfg. Co., Inc. Center-weighted floating roof. 2,497,047, Feb. 7.
Prassel, Victor, San Antonio, Tex. Deep well drilling device. 2,496,954, Feb. 7.
Prel Inc., assignee: *See*—
Alexander, Philip.
Premier Crystal Laboratories, Incorporated, assignee: *See*—
Bach, Henry M.
Prentice, G. E., Mfg. Co., The, assignee: *See*—
Legat, Robert C.
Preszler, Philip, Venice, Calif. Cam-locking belt buckle and strap fastener. 2,496,891, Feb. 7.
Promisel, Robert I., Winthrop, Mass. Display container. 2,496,918, Feb. 7.
Prosek, John R., Riverside, Ill., assignor to International Harvester Company. Refrigerator having a door with a cooling unit mounted therein. 2,496,492, Feb. 7.
Pugh, Walter E., and R. J. Champayne, Rockford, Ill., said Champayne assignor to said Pugh. Lever actuated pivoted jaw wrench. 2,496,308, Feb. 7.

Pugh, Walter E., Rockford, Ill. Lever actuated pivoted jaw wrench. 2,496,309, Feb. 7.

Puleo, Frank, Denver, Colo. Hotbed sash operator. 2,496,892, Feb. 7.

Quaker Foundation, Inc., assignee: *See*—
Unwin, Kenneth J.

Rabinow, Jacob, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of War. Reversing acceleration integrator. 2,496,310, Feb. 7.

Radford, Frederick W., assignee: *See*—
Attenborough, William.

Radio Corporation of America, assignee: *See*—
Dean, William W. II.
Eberhard, Everett.
Gillespie, Charles N.
Goldberg, Edwin A.
Grosdoff, Igor E.
Grundmann, Gustave L.
Hansell, Clarence W.
Hershberger, William D.
Kemp, Roland J., and Fewings.
Seeley, Stuart W.
Sziklai, George C.

Radiron Corporation, assignee: *See*—
Opperman, Roy.

Ragatz, Eugene C.: *See*—
Matthias, Lynn H., and Ragatz.

Rainey Accounting Machine Company, Inc., assignee: *See*—
Rainey, Clifton K.

Rainey, Clifton K., assignor, by mesne assignments, to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Typing and printing mechanism for accounting machines and the like. 2,496,357, Feb. 7.

Raney, Russell R., La Grange, Ill., assignor to International Harvester Company. Hay gatherer and chopper. 2,496,493, Feb. 7.

Rast, Frederick Q., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Electrically controlled platen operating mechanism for time stamps. 2,496,598, Feb. 7.

Ratazak, Bernard, assignor to Sampsel Time Control, Inc., Spring Valley, Ill. Spring return damper control. 2,496,409, Feb. 7.

Rauland Corporation, The, assignee: *See*—
Szegho, Constantin S.

Rawson, Emanuel, assignor to Rite-Way Products Company, Chicago, Ill. Vacuum pump. 2,496,676, Feb. 7.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,496,638, Feb. 7.

Raymond, Richard C., State College Pa., assignor to the United States of America as represented by the Secretary of War. Radio spectrum monitoring apparatus. 2,496,560, Feb. 7.

Raynes, John G., Vancouver, British Columbia, Canada. Pantograph. 2,497,013, Feb. 7.

Raytheon Manufacturing Company, assignee: *See*—
Baum, Richard F.
Lissman, Marcel A.
Spencer, Percy L.
Temple, Lemuel M.
Turner, Edwin E., Jr.

Reddick, Leo R., Seattle, Wash. Micrometer-type adjustable saxophone mouthpiece. 2,496,749, Feb. 7.

Reed Roller Bit Company, assignee: *See*—
Stokes, John C.

Reedy, Charles E., West Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y. Tank car nozzle. 2,496,677, Feb. 7.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Cookstove. 2,496,750, Feb. 7.

Reich, Ernst: *See*—
Felix, Friedrich, Heckendorn, Reich and Oesterlein.

Reid, Edward S., Charlotte, N. C., assignor to Sonoco Products Company. Paper tube assembly for concrete construction. 2,497,058, Feb. 7.

Reil, John, Cudahy, Wis. Thermostat damper and pipe control. 2,496,410, Feb. 7.

Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-4-pyrrolidinoethylaminopiperidines. 2,496,955, Feb. 7.

Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-4-(beta-hydroxyethylamino)-piperidines. 2,496,956, Feb. 7.

Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-(N-benzyl-N-alphanyridylamino)-piperidines and their production. 2,496,957, Feb. 7.

Reitsema, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-benzylaminopiperidines and their production. 2,496,958, Feb. 7.

Remington Rand Inc., assignee: *See*—
Briechle, Ambrosius and Worden.

Renfrew, Bessie S., Pasadena, Calif. Combination comb and container. 2,496,311, Feb. 7.

Renfro, Ralph T., Sr., Boise, Idaho, assignor to Scruggs and Vaughan Manufacturing Company, Inc., Phoenix, Ariz. Vacuum-operated minnow sack. 2,497,014, Feb. 7.

Research Corporation, assignee: *See*—
Hall, Albert C.

Richard, William R.: *See*—
Lavin, Edward, and Marinaro, and Richard.

Richardson, Henry L., Elmwood Park, assignor to Teletype Corporation, Chicago, Ill. Full stroke mechanism. 2,496,494, Feb. 7.

Richardson, Philip B., Montclair, assignor to Richardson Scale Company, Clifton, N. J. Weighing machine. 2,497,015, Feb. 7.

Richardson Scale Company, assignee: *See*—
Richardson, Philip B.

Richardt, John W., Jr., Terre Haute, Ind., and O. A. Shann, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aid for the blind. 2,496,639, Feb. 7.

Richey, Forrest A.: *See*—
Hanson, Wesley T., Jr., and Richey.

Riker, John E., Detroit, Mich. Pencil pointer. 2,496,495, Feb. 7.

Ringer, Ferdinand, New York, N. Y. Ignitible composition. 2,496,815, Feb. 7.

Rite-Way Products Company, assignee: *See*—
Rawson, Emanuel.

Ritter, Irving S., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus for railway cars. 2,496,751, Feb. 7.

Rivers, Walter, Coeur d'Alene, Idaho. Boat trailer. 2,496,599, Feb. 7.

Roberts, Eli T., Carpenterville, Oreg. Automatic trailer brake. 2,497,016, Feb. 7.

Robertson, John D., Taunton, Mass. Bow correcting apparatus. 2,496,312, Feb. 7.

Rodgers, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic sound track scanning apparatus with light flicker compensation. 2,496,959, Feb. 7.

Roedding, Gordon E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Spotlight switch. 2,497,034, Feb. 7.

Root, Robert S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Dual lever friction clutch. 2,496,411, Feb. 7.

Rose, Joseph K., Chicago, Ill. Light shield for oscilloscopes, television receivers, and the like. 2,496,752, Feb. 7.

Ross, John, Ramsay, and A. I. Gebhart, Union, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Producing condensation products. 2,496,358, Feb. 7.

Roth, Jay M., and E. J. Bodensieck, assignors to Thompson Products, Inc., Cleveland, Ohio. Turbine pump. 2,496,496, Feb. 7.

Russell, Robert C., Cleveland Heights, Ohio. Brake. 2,496,497, Feb. 7.

Rymann, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Pump disintegrator. 2,496,359, Feb. 7.

Safeway Heat Elements, Inc., assignee: *See*—
Ely, Robert S., and Ketcham.

Salerno Machinery Company, assignee: *See*—
Brandt, John R.

Salisbery, Leroy L., South Orange, assignor to Iver-Lee Company, Newark, N. J. Making rectangular flat bags. 2,496,753, Feb. 7.

Salo, Paul W., and L. J. Huber, Minneapolis, Minn., assignors to General Mills, Inc. Gingerbread mix. 2,496,678, Feb. 7.

Sampsel Time Control, Inc.: *See*—
Ratazak, Bernard.

Sanchez, Ygnacio L.: *See*—
McCallick, William P., and Sanchez.

Santmyers, George S.: *See*—
Pape, John W., and Santmyers.

Sarazin, Robert, Neuilly-sur-Seine, France, vested in the Attorney General of the United States. Apparatus for checking the work of arc welders. 2,496,313, Feb. 7.

Saunders, Jack A., Woodside, N. Y. Adjustable garment hanger. 2,496,561, Feb. 7.

Saurer, Curt, Detroit, Mich. Faucet. 2,496,679, Feb. 7.

Schaefer, Bernard E., Beverly, N. J., assignor to Underwood Corporation, Carbon holder for manifolding work. 2,496,600, Feb. 7.

Schaefgen, John R., assignor to Wingfoot Corporation, Akron, Ohio. Production of 4,4'-diketodicyclohexyl. 2,496,960, Feb. 7.

Schamblin, Charles H. M., Bakersfield, Calif. Vehicle signal lamp. 2,496,601, Feb. 7.

Schenkel, Gerrit: *See*—
De Boer, Jan and Schenkel.

Scheppe, John J., Trenton, N. J. Drill shaft. 2,496,412, Feb. 7.

Schiller, Bernhardt, Hillside, and R. M. Beach, Florham Park, assignors to Nopco Chemical Company, Harrison, N. J. Fat liquoring and alum tanning. 2,496,640, Feb. 7.

Schiller, Bernhardt, Hillside, and R. M. Beach, Florham Park, assignors to Nopco Chemical Company, Harrison, N. J. Fat liquoring and alum tanning. 2,496,641, Feb. 7.

Schlichtig, Ralph C., Dishman, Wash. Air-conditioning system. 2,496,602, Feb. 7.

Schlumbohm, Peter, New York, N. Y. Refrigeration. 2,496,816, Feb. 7.

Schneider, George, South Orange, N. J., assignor to Celanese Corporation of America. Production of spinning jets. 2,496,961, Feb. 7.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake cylinder support. 2,496,562, Feb. 7.

Schramm, Christopher H., and R. E. Smith, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Suspended type hoist. 2,496,754, Feb. 7.

Schulthess, Robert, Zurich, Switzerland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,496,817, Feb. 7.

Schwanengel, Earnest L., Dayton, Ohio. Roller toy. 2,496,603, Feb. 7.

Schwartz, Morris, assignor to The Kalart Company, Inc., Stamford, Conn. Photoflash lamp socket with test lamp. 2,496,680, Feb. 7.

Schwartzberg, Louis, Chicago, Ill. Frozen egg method and container. 2,496,755, Feb. 7.

Schwarz-Kast, Ernst L., Chicago, Ill., assignor to Franklin Appliance Company. Food mixer. 2,496,919, Feb. 7.

Sciara, Peter, Brooklyn, N. Y. Polarized fuse pin plug. 2,496,413, Feb. 7.

Scott, Andrew, Chicago, and J. B. Amatutz, Oak Park, assignors to Crane Co., Chicago, Ill. Molding machine. 2,496,604, Feb. 7.

Scruggs and Vaughan Manufacturing Company, Inc., assignee: *See*—
Renfro, Ralph T., Sr.

Scull, Wm. S., Company, assignee: *See*—
Fisher, George A.

Seborg, Earnest L., assignor to Barnes Drill Co., Rockford, Ill. Control system for hydraulically driven machine tool elements. 2,496,756, Feb. 7.

Seeder, Wilhelm A., Zaandam, Netherlands. Preparing C-vitaminized baking products. 2,497,035, Feb. 7.

Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Phase shifter. 2,496,920, Feb. 7.

Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Angle modulation detector. 2,496,818, Feb. 7.

Selas Corporation of America, assignee: *See*—
Hess, Frederic O.

Seymour, George W., and C. E. Hieserman, Cumberland, Md., assignors to Celanese Corporation of America. Anthraquinone dyestuffs. 2,496,414, Feb. 7.

Shann, Oscar A.: *See*—
Richardt, John W., Jr., and Shann.

Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Subscriber telephone set double connection signal. 2,496,642, Feb. 7.

Shann, William E., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus for automatically stopping textile machines. 2,497,017, Feb. 7.

Sharpe, William W., Detroit, Mich. Fly swatter. 2,496,415, Feb. 7.

Shaw, William S., Boise, Idaho. Signal for newspaper delivery boxes. 2,496,962, Feb. 7.

Shawlnigan Resins Corporation, assignee: *See*—
Lavin, Edward, Marinaro, and Richard.

Sheehan, John C., Arlington Heights, Mass., R. Mozingo, Elizabeth, K. Folkers, Plainfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. N-acyl penicillamines and preparation thereof. 2,496,416, Feb. 7.

Sheehan, John C., Arlington Heights, Mass., R. Mozingo, E'lzabeth, K. Folkers, Plainfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of 2-methyl-4-isopropylidene-5(4)-oxazolone. 2,496,417, Feb. 7.

Shele, Robert S.: *See*—
Killingsworth, Robert B., and Shele.

Shell Development Company, assignee: *See*—
De Nie, Willem L. J.

Shellmar Products Corporation, assignee: *See*—
Green, Lawrence B.

Sherry, Leo J., West Los Angeles, Calif. Filter and sunshade support for cameras. 2,497,018, Feb. 7.

Sherwin-Williams Company, The, assignee: *See*—
Cottrell, Jack A. Hewitt, and Armitage.

Sherwood, Walter, Hempstead, N. Y., assignor to The Farmingdale Corporation. Lead gauge. 2,496,314, Feb. 7.

Shields, John: *See*—
La Rosa, Vincent S., Shields, and Rernier.

Shields, John C., assignor of one-half to V. P. Shields, Chicago, Ill. Educational toy. 2,496,498, Feb. 7.

Shields, Verna P., assignee: *See*—
Shields, John C.

Shiew, William C.: *See*—
Thorpe, Edward C., and Shiew.

Shipley, Hardwick P., Falls Church, Va. Anchor. 2,496,315, Feb. 7.

Shockey, Glen, Chicago, Ill. Autograph scroll. 2,497,019, Feb. 7.

Sieling, Edward H., Chicago, Ill. Urn bag retainer. 2,496,757, Feb. 7.

Siems, George, Fairmont, Minn. Extension for material handling scoops. 2,496,563, Feb. 7.

Simmons, Donald F., Seattle, Wash. Arm support. 2,496,605, Feb. 7.

Simonson, Sigvard, Butler, Pa., assignor to O. C. Duryea Corporation. Draft appliance for railway cars. 2,497,048, Feb. 7.

Simpson, Albert R., Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse generator. 2,496,819, Feb. 7.

Simpson, Norman H., and P. R. Cutter, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Coating magnesium and magnesium base alloys. 2,497,036, Feb. 7.

Sims, Charles R., assignor to The American Oak Leather Company, Cincinnati, Ohio. Machine for rolling and setting leather. 2,496,418, Feb. 7.

Singer, Edwin, Harris, N. Y., assignor of one-half to G. B. Westenheffer, Harrisburg, Pa. Cushioning device for fluid conduits. 2,497,020, Feb. 7.

Singer Manufacturing Company, The, assignee: *See*—
Schulthess, Robert.

Skinner, Leslie A., Washington, D. C., and E. G. Uhl, Elizabeth, N. J., assignors to the United States of America as represented by the Secretary of War. Rocket projector. 2,496,316, Feb. 7.

Slavico, Alexander P., Baltimore, Md. Wheel chock. 2,496,499, Feb. 7.

Smith, Arthur F., Brooklyn, N. Y. Pneumatic suspension means. 2,496,893, Feb. 7.

Smith, Carlos W.: *See*—
Houpt, Alfred G., and Smith.

Smith, Creston A., Philadelphia, Pa. Corded seam. 2,496,820, Feb. 7.

Smith, Harry B., Hyattsville, Md. Combining circuit. 2,496,317, Feb. 7.

Smith, Harvey J., Danville, Va. Can canceling device. 2,496,606, Feb. 7.

Smith, Phillip H., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance matching system. 2,496,643, Feb. 7.

Smith, Ralph E.: *See*—
Schramm, Christopher H., and Smith.

Smith, Samuel H., assignor to E. R. Dawson, Atlantic City, N. J. Pump for dispensing cans. 2,496,821, Feb. 7.

Smyth, Glen M., Plainfield, and A. E. Moran, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacture of anthraquinone. 2,496,894, Feb. 7.

Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Heat sealing rubber hydrochloride. 2,496,963, Feb. 7.

Societe d'Applications Generales D'Electricite & De Mecanique, assignee: *See*—
Pasquet, Henri M. E.

Societe Francaise Sadir-Carpentier, assignee: *See*—
Alcardi, Joseph.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Denton, William I., and Bishop.
Killingsworth, Robert B., and Shele.
Meadow, Jacob R., and O'Kelly.

Soderberg, Carl R., Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Turbine construction. 2,497,049, Feb. 7.

Soller, Walter, and G. Kraus, Cincinnati, Ohio, assignors to the United States of America as represented by the Secretary of War. Low melting point silver solder. 2,496,564, Feb. 7.

Somers, Richard M., West Orange, and S. J. Weltzer, Livingston Township, Essex County, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Combined dictating and interoffice-communicating system. 2,597,037, Feb. 7.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Production of cyclopropane. 2,496,419, Feb. 7.

Sonoco Products Company, assignee: *See*—
Reid, Edward S.

Sowers, Joseph A., assignee: *See*—
Warkentin, Robert E.

Spang, William F., Milton, assignor to Cube Steak Machine Co., Boston, Mass. Meat tenderizing machine. 2,497,038, Feb. 7.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,496,500, Feb. 7.

Sperry Corporation, The, assignee: *See*—
Kellogg, Spencer, 2nd.
Moseley, Francis L.
Newell, William H., and McKenney.
Woodyard, John R.

Staley, Ronald W., Pittsfield, Mass., assignor to General Electric Company. Curing cement-type cold molding compositions. 2,496,895, Feb. 7.

Stalker, Edward A., Bay City, Mich. Tailless aircraft with stabilizing wing. 2,496,565, Feb. 7.

Standard Oil Company, assignee: *See*—
Watson, Roger W., and Mixon.

Standard Oil Development Company, assignee: *See*—
Bitnoly, Julius P.
Gillespie, Bruce G.
Peet, Nick P.
Stone, Albert L.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Brunner, Eugene E.
Stanolind Pipe Line Company, assignee: *See*—
Cook, Fay V.
Staples, Crawford E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling apparatus. 2,496,607, Feb. 7.
Staunton, Le Roy, Evanston, R. L. Atkinson, Hinsdale, and E. J. Hopkins, assignors to United Wallpaper, Inc., Chicago, Ill. Umbrella. 2,496,501, Feb. 7.
Steensma, Richard, Fair Lawn, N. J., assignor to Wright Aeronautical Corporation. Ignition control system. 2,496,502, Feb. 7.
Stein, Hall & Company, Inc., assignee: *See*—
Caesar, George V., Bauer, and Hawley.
Steinhauer, Frank C., Decatur, Ga. Container partitioning device. 2,496,964, Feb. 7.
Steinhauser, Hayes B.: *See*—
Brode, George E., and Steinhauser.
Stephens, Robert D., Richmond, Va. Hollow circular segmental lens structure with liquid filler. 2,496,681, Feb. 7.
Stern, Otto, Berkeley, Calif., assignor to The United States of America as represented by the Secretary of War. Apparatus for dynamic compression testing. 2,496,420, Feb. 7.
Sterns, Lorance E., St. Louis, Mo. Method and apparatus for grinding or honing. 2,497,021, Feb. 7.
Ste' S. E. R. A. P. (Societe d'Etudes, de Recherches et d'Applications des Poudres agglomerees), assignee: *See*—
Deschamps, Jean B., and Bergier.
Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry J. DeN.
Palm, George H.
Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Spring toggle mechanism. 2,496,896, Feb. 7.
Stoddard, Vine, Jesup, Iowa. Foldable gaff hook. 2,496,822, Feb. 7.
Stodola, Frank H.: *See*—
Lockwood, Lewis B., and Stodola.
Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,496,421, Feb. 7.
Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Elevator for pipes. 2,496,360, Feb. 7.
Stora Kopparbergs Bergslags Aktiebolag, assignee: *See*—
Larsson, Eric J., and Jonsson.
Strauss, Frederic L., Woodhaven, N. Y. Ignition system tester. 2,496,823, Feb. 7.
Strickland, Henry R., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Bearing and seal assembly for turbines. 2,496,897, Feb. 7.
Studebaker Corporation, The, assignee: *See*—
Churchill, Harold E.
SubRow, Philip, Los Angeles, Calif. Geometrical determination of dip and strike of cored strata. 2,496,422, Feb. 7.
Sulzer Freres, Societe Anonyme, assignee: *See*—
Rymann, Walter.
Sun, Kuan-Han, and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Ferric fluophosphate glass. 2,496,824, Feb. 7.
Super-Cut, Inc., assignee: *See*—
Metzger, Leopold H., and Fantozzi.
Superdraulic Corporation, assignee: *See*—
Hoffer, James F.
Swift & Company, assignee: *See*—
Bradford, Purdy.
Swingle, Donald R., assignor to Cumberland Case Co., Chattanooga, Tenn. Crate for paper milk containers. 2,496,965, Feb. 7.
Synergistics, Inc., assignee: *See*—
Coler, Myron A.
Szager, Frank G., Inglewood, Calif. Drawer pull. 2,496,966, Feb. 7.
Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Unitary ceramic electron gun. 2,496,825, Feb. 7.
Szikiai, George C., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray deflection type amplifier. 2,496,361, Feb. 7.
Szwarc, Alexander, Montreal, Quebec, Canada. Water-vapor resistant coated paper. 2,496,566, Feb. 7.
Szwarguiski, Alex N.: *See*—
Korte, Alfred C., and Szwarguiski.
Tamm, Bror, Quincy, Mass. Folding grapnel anchor. 2,496,503, Feb. 7.
Tarrant, Fred K., Saratoga Springs, N. Y. Spreader hopper and mounting attachment. 2,496,504, Feb. 7.
Taulman, Flora L., assignee: *See*—
James, Lorenzo D.
Taylor, William H., Waukesha, Wis. Sweeper for land mines. 2,496,423, Feb. 7.
Telefiex Incorporated, assignee: *See*—
Brouse, William H. D.
Teletype Corporation, assignee: *See*—
Richardson, Henry I.
Tellier, Andre, New York, N. Y. World clock. 2,496,826, Feb. 7.
Tellier, Andre, New York, N. Y. Educational apparatus. 2,496,827, Feb. 7.
Temple, Lemnel M., Scarsdale, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass. Radio tuning device. 2,496,424, Feb. 7.
Temprite Products Corporation, assignee: *See*—
Graham, Frank O.
Terry, Matson C.: *See*—
Peltier, Frank D., and Terry.
Texaco Development Corporation, assignee: *See*—
Wolf, Alexander.
Texas Company, The, assignee: *See*—
Kluge, Herman D.
Thacker, William J., Glen Allen, Va. Machine for making cinder, concrete, or similar blocks. 2,496,682, Feb. 7.
Thayer, Helen I., assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparation of 2-picoline sulphur condensation products. 2,496,319, Feb. 7.
Theisen, John P.: *See*—
Farr, Edward A., and Theisen.
Thermo Electric Fuse Corp.: *See*—
Carle, Rene.
Thibault, Joseph, assignor to Casco Products Corporation, Bridgeport, Conn. Automobile sun visor. 2,497,050, Feb. 7.
Thomas, Albert M., New York, N. Y. Boring bar holder. 2,497,059, Feb. 7.
Thomas, Roy R., assignor to L. G. McLean, Spokane, Wash. Sickle bar elevator. 2,496,608, Feb. 7.
Thompson, Alfred W., and E. A. Weinberg, assignors to The Ludlow Valve Manufacturing Co., Inc., Troy, N. Y. Check valve. 2,496,898, Feb. 7.
Thompson, Floyd L., Houston, Tex. Air-heating unit for buildings. 2,496,505, Feb. 7.
Thompson, John W.: *See*—
Boyle, James M., and Thompson.
Thompson Products, Inc., assignee: *See*—
Roth, Jay M., and Bodensieck.
Thompson, Robert R.: *See*—
Balls, Arnold K., and Walden, and Thompson.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Azamerocyanine dyes and the preparation thereof. 2,496,899, Feb. 7.
Thorpe, Edward C., and W. C. Shiew, Dodge City, Kans. Egg separator. 2,496,567, Feb. 7.
Throckmorton, Paul J., Memphis, Tex. Poultry feeder. 2,496,828, Feb. 7.
Tingley, Iva R., Santa Barbara, Calif. Adjustable holder for cut flowers. 2,496,758, Feb. 7.
Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H.
Tishler, Max: *See*—
Sheehan, John C., Mozingo, Folkers, and Tishler.
Wilson, Evelyn, Weijlard and Tishler.
Tomarin, William, Cincinnati, Ohio. Can body construction. 2,496,568, Feb. 7.
Tooker, Frank H.: *See*—
Cleaveland, Le Roy A., and Tooker.
Travilla, James C., Jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck with lateral motion bolster. 2,496,644, Feb. 7.
Travilla, James C., Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,496,829, Feb. 7.
Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Wash pipe for rotary swivels. 2,496,569, Feb. 7.
Tresise, Raleigh E., Cleveland Heights, and P. D. Kendall, Maple Heights, assignors to Paravox, Inc., Cleveland, Ohio. Hearing aid chassis and assembly. 2,496,683, Feb. 7.
Trumbo, Adam L., Lancaster, Ky. Hemp breaking machine. 2,496,570, Feb. 7.
Tucker Corporation, assignee: *See*—
Lyman, Kenneth E.
Tucker, Mana L., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Water swivel for diamond drills. 2,496,830, Feb. 7.
Turk, Anthony G.: *See*—
Finneburgh, Lewis H., Jr., Friedberg, and Turk.
Turner, Edwin E., Jr., West Roxbury, Mass., assignor to Raytheon Manufacturing Company. Distance measuring system. 2,496,900, Feb. 7.
Uhl, Edward G.: *See*—
Skinner, Leslie A., and Uhl.
Ulm, Reign C.: *See*—
Prager, Frank D., and Ulm.
Underwood Corporation, assignee: *See*—
Schaefer, Bernard E.
Union Carbide and Carbon Corporation, assignee: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.
Union Oil Company of California, assignee: *See*—
Deery, Roland F.
Union Switch and Signal Company, The, assignee: *See*—
Claus, William H.
Maxwell, Thomas.
Staples, Crawford E.

United Aircraft Corporation, assignee: *See*—
Bodger, Walter K.
Buck, Richard S.
Cronstedt, Val, and King.
Heintze, Carl P.
Meitzler, Donald E.
Moffatt, Elbert M.
Soderberg, Carl R.
Strickland, Henry R.
Ward, Leslie A.
Williams, George L.
United Shoe Machinery Corporation, assignee: *See*—
Fredericksen, James P.
United Wallpaper, Inc., assignee: *See*—
Staunton, Le Roy, Atkinson, and Hopkins.
United States Atomic Energy Commission, United States or America as represented by the, assignee: *See*—
Molloy, Everett W., and Hinch.
Simpson, Albert R.
U. S. Industrial Chemicals, Inc., assignee: *See*—
Christ, Robert E.
Earhart, Kenneth A.
United States Instrument Corporation, assignee: *See*—
Cleaveland, Le Roy A., and Tooker.
Universal Oil Products Company, assignee: *See*—
Kassel, Louis S.
University of Pennsylvania, The trustees of the, assignee: *See*—
Ehrenstein, Maximilian R.
Unruh, Cornelius C.: *See*—
Kenyon, William O., Unruh, and Fowler, Jr.
Unwin, Kenneth J., assignor to Quaker Foundation, Inc., Kenosha, Wis. Leveling bridge. 2,496,645, Feb. 7.
Upchurch, Fern G., Los Angeles, Calif. Removable cold wave or dye pan for beauticians' wash sinks. 2,496,684, Feb. 7
Upjohn Company, The, assignee: *See*—
Reitsema, Robert H.
Vallerie, John E., Norwalk, Conn. Producing oil films. 2,496,362, Feb. 7.
Van Antwerpen, Martin, Milwaukee, Wis. Combination presser and sealer. 2,496,609, Feb. 7.
Van den Berg, Dirk A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dynamoelectric machine stator. 2,496,831, Feb. 7.
Van Hoorn, Adriaan J., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Method and composition for coating cathode-ray tubes. 2,496,901, Feb. 7.
Vassy, Etienne, Paris, France. Automatic recording microphotometer. 2,496,967, Feb. 7.
Vickers, John P. J., Dartmouth, Nova Scotia, Canada. Padlock. 2,496,320, Feb. 7.
Vicksell, Victor A., Sr., Kansas City, Mo. Adjustable window ventilator. 2,496,921, Feb. 7.
Vila, Heriberto A., New York, N. Y. Modulation system. 2,496,610, Feb. 7.
Virtue, Maxine B., Ypsilanti, Mich. Infant's sleeping garment. 2,496,922, Feb. 7.
Vichek, Frank, Jr., assignee: *See*—
Bonham, Walter G.
Voss, John H., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Private automatic telephone system of the passing call type. 2,496,902, Feb. 7.
Wagner Electric Corporation, assignee: *See*—
Schnell, Steve.
Wagner, George C., Baltimore, Md. Horological instrument cleaner. 2,496,506, Feb. 7.
Wagner, John L.: *See*—
Cheney, Raymond E., Wagner, and Lawhead.
Wagner, John J., Cedar Rapids, Iowa. Form for constructing tile-faced concrete walls. 2,496,571, Feb. 7.
Wain-Roy Corporation, assignee: *See*—
Holopainen, Vaino J.
Walden, Mayo K.: *See*—
Balls, Arnold K., Walden, and Thompson.
Waldorf Paper Products Co., assignee: *See*—
Cupo, William J.
Wallace, Marcel, East Port Chester, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Radio receiving system with automatic tuner. 2,496,832, Feb. 7.
Wallin, Gus W., Chicago, Ill., assignor to Motorola, Inc. Tunable resonant system. 2,496,321, Feb. 7.
Wallin, Gus W., assignor to Motorola, Inc., Chicago, Ill. Tuning system. 2,496,322, Feb. 7.
Walters, John D., and J. T. Muenzmay, Pittsburgh, Pa. Tip structure for gas torches. 2,496,923, Feb. 7.
Waltke, Edwin H., Los Angeles, Calif. Buffer. 2,496,323, Feb. 7.
Walton, Eric, and B. J. F. Hudson, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Incorporated, New York, N. Y. Alpha:beta:2:2'-tetramethyl-4:4'-dihydroxystilbene. 2,496,968, Feb. 7.
Wandel, Bronislaw, Boston, Mass. Bedclothes clamp. 2,496,833, Feb. 7.
War, United States of America as represented by the Secretary of, assignee: *See*—
Dicke, Robert H.
Hoglund, Ralph H., Hulstede, and Yakutis.
Johnson, Montgomery H., Jr.
Kanner, Morton H.
Lawson, James L., and Martin.
Mackas, George.
Rabinow, Jacob.
Raymond, Richard C.
Skinner, Leslie A., and Uhl.
Soller, Walter, and Kraus.
Stern, Otto.
Williams, Chester P.
Ward, Lawrence T.: *See*—
Kochner, William B., and Ward.
Ward, Leslie A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gas valve construction. 2,496,834, Feb. 7.
Ward, Leslie A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gas temperature probe of the thermocouple type. 2,496,835, Feb. 7.
Warkentin, Robert E., San Francisco, assignor of one-fourth to J. A. Sowers, San Fernando, Calif. Clockmaker's tool. 2,496,611, Feb. 7.
Warning, Orville F.: *See*—
Marcus, Jerome R., and Warning.
Warsher, Adolph, Maywood, N. J. Circuit breaker. 2,496,759, Feb. 7.
Wasley, William L., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic developer containing a negatively substituted aralkylamine and process of development. 2,496,903, Feb. 7.
Watkins, Raymond O., assignor to Nader Engineering Company, Chicago, Ill. Frame for dynamoelectric machines. 2,496,507, Feb. 7.
Watson, Harold R., Victorville, Calif. Grading apparatus. 2,496,760, Feb. 7.
Watson, Roger W., Chicago, Ill., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Stabilized organic sulfur-containing compounds. 2,496,508, Feb. 7.
Wayworth, Walter G., Hartford, Conn. Window screen. 2,497,022, Feb. 7.
Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.
Weeks, Ray H., Lake Benton, Minn. Traction device for power-driven vehicles. 2,496,924, Feb. 7.
Weijlard, John: *See*—
Wilson, Evelyn, Weijlard, and Tishler.
Weimer, Leland S., assignor to The Murray Corporation of America, Detroit, Mich. Electric heating unit. 2,497,039, Feb. 7.
Weinberg, Edwin A.: *See*—
Thompson, Alfred W., and Weinberg.
Weitzer, Saul J.: *See*—
Somers, Richard M., and Weitzer.
Welsh Manufacturing Company, assignee: *See*—
Wentworth, Wilbur.
Wentworth, Wilbur, Cranston, R. I., assignor to Welsh Manufacturing Company. Spectacle sweat bar. 2,496,969, Feb. 7.
Werner, William V., and H. H. Helmer, Phoenix, Ariz. Ink container. 2,496,761, Feb. 7.
Wertz, Hugh S., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray tube circuit. 2,496,970, Feb. 7.
Westenhoffer, George B., assignee: *See*—
Singer, Edwin.
Western Electric Company, Incorporated, assignee: *See*—
Blaisdell, Charles O.
Henning, George E.
Lutz, Raymond P.
Malhiot, Eugene L.
Marcus, Jerome R., and Warning.
Western Engineering Trust, trustee, assignee: *See*—
Nardulli, Peter F.
Westinghouse Air Brake Company, The, assignee: *See*—
Bent, Arthur J.
Kershaw, Norman G.
Westinghouse Electric Corporation, assignee: *See*—
Blackburn, Wayne E.
Edwards, Hilbert E.
Fahnoe, Harold H.
Hartwig, Edward C.
Hein, Carl C.
Hipple, John A., Jr.
Lindbeck, Simon L., and Osbon.
Morse, Rupert O., and Nuttall.
Ritter, Irving S.
Weyrauch, Cyril J., Ray, N. Dak. Nut starting wrench. 2,496,762, Feb. 7.
Whaley, William E., Louisville, Ky. Display card holder for automobiles. 2,496,763, Feb. 7.
Whiting Corporation, assignee: *See*—
Fisher, Ernest F.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,496,685, Feb. 7.
Whitney, Paul V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Screw conveyer. 2,496,764, Feb. 7.

Wicser, Sol B., Washington, D. C. Thermite coating process. 2,496,971, Feb. 7.
Wightman, Gordon E.: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.
Wild, Rudolf F., and R. B. Darnielle, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Chatterfree torque amplifier. 2,497,051, Feb. 7.
Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Suspension device. 2,496,612, Feb. 7.
Williams, Charlton H., assignor to Eula W. Williams, Columbus, Ga. Saddle, stirrup, and bearing construction for spinning or roving frames. 2,496,765, Feb. 7.
Williams, Chester P., Waltham, Mass., assignor to the United States of America as represented by the Secretary of War. Mechanical transmission. 2,496,572, Feb. 7.
Williams, David M., Warrensville Heights, assignor to The Arco Company, Cleveland, Ohio. Method and apparatus for determining the elongation properties of coating films. 2,497,052, Feb. 7.
Williams, Eula W., assignee: *See*—
Williams, Charlton H.
Williams, George L., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Crankshaft torsional vibration damper. 2,496,836, Feb. 7.
Williams, La Vergne H., Columbia, assignor to Collins and Williams Company, Incorporated, Willimantic, Conn. Elapsed time recorder with strip printing type. 2,496,686, Feb. 7.
Williams, Samuel B., Birmingham, Mich. Helicopter construction. 2,497,040, Feb. 7.
Willis, Walter P., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus for catalyst regenerators. 2,497,053, Feb. 7.
Wilson, Evelyn H., Newark, J. Weijlard, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing certain pantothenic acid salts. 2,496,363, Feb. 7.
Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Toolholder. 2,496,426, Feb. 7.
Wilson, Harry C., Beverly Hills, assignor to R. H. Clark, Los Angeles, Calif. Expansion bit. 2,496,427, Feb. 7.
Wilson, Roland E., Detroit, Mich., assignor to Food Machinery and Chemical Corporation. Mirror and light beam wheel alignment characteristic measuring device. 2,496,324, Feb. 7.
Winer, Jacob M., New York, N. Y. Television antenna. 2,496,646, Feb. 7.
Wingfoot Corporation, assignee: *See*—
Burkley, Clement J.
Carson, Clarence M.
Clifford, Albert M.
Hardman, Albert F.
Schaefgen, John R.
Snyder, James E.
Winsor & Jerauld Manufacturing Company, assignee: *See*—
Jerauld, Frank C., and MacKnight.
Winterhalter, Martin, Morcote, near Lugano, Switzerland. Separable fastener. 2,496,925, Feb. 7.
Winterhalter, Martin, Morcote, near Lugano, Switzerland. Separable fastener. 2,496,926, Feb. 7.
Winthrop-Stearns Inc., assignee: *See*—
Albertson, Noel F., and Archer.
Witte, Charles, Ventnor City, N. J. Fishing lure. 2,496,927, Feb. 7.
Wittgren, Charles, Chicago, Ill., assignor to The Plastilac Corporation. Transfer. 2,496,325, Feb. 7.
Wolf, Alexander, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Seismic exploration system for determination of strata dips. 2,496,648, Feb. 7.
Wolf, Frank J., Westfield, and K. Pfister, III, Summit, assignors to Merck & Co., Inc., Rahway, N. J. 3-sulfanilamido-benzotriazines-1,2,4 and their preparation. 2,496,364, Feb. 7.
Wolf, Robert A., Kenmore, assignor to Bell Aircraft Corporation, Wheatfield, Niagara County, N. Y. Aircraft power unit converting fluid energy into static pressure energy. 2,496,509, Feb. 7.
Wolfe, Bernard J.: *See*—
Bing, Herbert A., and Wolfe.
Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car coupler. 2,496,425, Feb. 7.
Wolfe, Helen C., Cincinnati, Ohio. Scouring attachment for electric mixers. 2,496,972, Feb. 7.
Wolfram, John N., South Euclid, assignor to The Parker Appliance Company, Cleveland, Ohio. Tube coupling. 2,496,510, Feb. 7.
Wood, Burris D., Dallas, Tex. Wheeled animal walking toy. 2,496,766, Feb. 7.
Woodbury, David O., Bronxville, N. Y. Portable image projector. 2,496,647, Feb. 7.
Woodward Governor Company, assignee: *See*—
Gillespie, Sidney L.
Woodward, William H., Detroit, Mich. Guard for rotary disks. 2,496,613, Feb. 7.
Woodyard, John R., Berkeley, Calif, assignor to The Sperry Corporation. Ultra high frequency apparatus. 2,496,837, Feb. 7.
Worden, Ernest C.: *See*—
Briechle, Ambrosius, and Worden.
Worthington, Edward H., East Stroudsburg, Pa. Bed knife for lawn mowers. 2,496,973, Feb. 7.
Wright Aeronautical Corporation, assignee: *See*—
Steenama, Richard.
Wright, Ansel J., Minneapolis, Minn., assignor to The Wright Co. Moistener for duplicating machines. 2,496,838, Feb. 7
Wright Co., The, assignee: *See*—
Wright, Ansel J.
Wyeth Incorporated, assignee: *See*—
Bernhart, Finn W.
X-T Building Block, Inc., assignee: *See*—
Hallstead, Leon A.
Yakutis, Anthony J.: *See*—
Hoglund, Ralph H., Hulstede, and Yakutis.
Young, Earle A.: *See*—
Clutz, Charles W., and Young.
Zelley, Walter G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of oxide contings on aluminum. 2,496,649, Feb. 7.
Zipper Scarf Corporation, The, assignee: *See*—
Pinnere, Dante A.
Zuercher, Oswin E., Hatfield, Pa. Test device. 2,496,767, Feb. 7.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Sterilizing and preserving. A. Brasch. Re. No. 23,195, Feb. 7.

Machine and method, Bag stringing. B. C. Golden. Re. No. 23,196, Feb. 7.

LIST OF PLANT INVENTIONS

Carnation plant. G. W. Bender, Jr. 19, Feb. 7.
Peach tree. W. T. Kirkman, Jr. 920, Feb. 7.

Rose plant. H. C. Swim. 921, Feb. 7.

LIST OF DESIGN INVENTIONS

Appliqué or the like. M. Silberman. 157,210, Feb. 7.
Ash tray. M. Shapiro. 157,208, Feb. 7.
Ash tray, memorandum holder, and penholder, Combination. A. G. Hanson. 157,150, Feb. 7.
Belt, Plastic. K. Krasnow. 157,173, Feb. 7.
Box, Pedestal type electric outlet. C. du B. Arcularius. 157,119, Feb. 7.
Bracket. R. Katz. 157,170, Feb. 7.
Brooch or similar article. A. Katz. 157,160–1, Feb. 7.
Brooch or similar article. A. Katz. 157,165, Feb. 7.
Brooch or similar article. A. Katz. 157,169, Feb. 7.
Brooch or similar article. A. Philippe. 157,190, Feb. 7.
Brooch or similar article. A. Philippe. 157,192–201, Feb. 7.
Brooch or similar article, Separable. A. Katz. 157,157–9, Feb. 7.
Brooch or similar article, Separable. A. Katz. 157,164, Feb. 7.
Buffer, Technician's. F. J. Omo. 157,186, Feb. 7.
Cake. G. R. Elb. 157,134, Feb. 7.
Can or the like. H. S. Lazarus. 157,177, Feb. 7.
Case, Jewel. P. Fox. 157,139, Feb. 7.
Casing for cigarette lighter, lipstick, or similar article. M. Roth. 157,207, Feb. 7.
Casing, Pneumatic tire. G. W. Anderson. 157,118, Feb. 7.
Chain for a necklace or similar article. F. A. Dieterich. 157,132, Feb. 7.
Chain, Tire. D. M. Harvey. 157,151, Feb. 7.
Chair. C. F. Williams. 157,225, Feb. 7.
Chopping block and bowl, Combination vegetable. P. F. Boeye. 157,123, Feb. 7.
Cigarette box and ash tray, Combination. L. Craven. 157,129, Feb. 7.
Container, Lipstick. J. A. Uva. 157,216, Feb. 7.
Container or similar article, Cosmetic. F. M. Breen. 157,125, Feb. 7.
Container, Popcorn. A. J. Krappman. 157,172, Feb. 7.
Dish, Soap. G. A. Hallenscheid. 157,146, Feb. 7.
Dishwashing machine, Portable. W. I. Knapp. 157,171, Feb. 7.
Dispenser, Tape. L. Vavrik. 157,219, Feb. 7.
Doll. P. I. Wheeler. 157,222, Feb. 7.
Doll, Ballerina. R. Lambertz. 157,174, Feb. 7.
Door. U. G. Massey. 157,179, Feb. 7.
Earring or similar article. A. Katz. 157,162–3, Feb. 7.
Earring or similar article. A. Katz. 157,166–7, Feb. 7.
Earring or similar article. A. Philippe. 157,187–9, Feb. 7.
Figure unit or the like, Display. F. S. Moulson. 157,181, Feb. 7.
Foot shield body. J. J. Boughey. 157,124, Feb. 7.
Fork or other article of flatware. C. G. Åkerlind. 157,117, Feb. 7.
Fork or similar article, Serving. I. L. Hirsch. 157,153, Feb. 7.
Frame, Picture. P. Cabot. 157,127, Feb. 7.
Heater, Space. W. S. Davis. 157,131, Feb. 7.
Holder, Milk carton. C. W. Collinet. 157,128, Feb. 7.
Holder, Toothbrush. G. A. Hallenscheid. 157,149, Feb. 7.
Holder, Tumbler. G. A. Hallenscheid. 157,147, Feb. 7.
Hook, Robe. G. A. Hallenscheid. 157,148, Feb. 7.
Housing, Spotlight. T. Nerman. 157,182, Feb. 7.
Ironer and stand, Combined. J. J. Getgey. 157,140, Feb. 7.
Kit and screw driver set unit, Combined. G. M. Horton. 157,154, Feb. 7.
Lock, Trailer. A. R. Adams and B. L. Shannon. 157,116, Feb. 7.
Mat, Floor. R. H. David. 157,130, Feb. 7.
Moistening machine, Wallpaper. G. E. Stevens. 157,213, Feb. 7.
Molding, Hollow metal. L. C. Laub. 157,175–6, Feb. 7.
Necklace or similar article. A. Katz. 157,168, Feb. 7.
Negligee. M. Taradash. 157,214, Feb. 7.
Ornament or a similar article, Christmas tree. A. Janowitz. 157,156, Feb. 7.
Package, Bottled perfume. C. Isermann. 157,155, Feb. 7.
Pin clip or similar article. A. Philippe. 157,191, Feb. 7.
Planning rule, Landscape. C. A. Vanderbrook. 157,217–18, Feb. 7.
Plaque or similar article, Wall. W. Dillard, Jr. 157,133, Feb. 7.
Playsuit, Child's. M. Piecka. 157,202–3, Feb. 7.
Rack, Shoe. R. E. and N. F. Grindinger. 157,144, Feb. 7.
Rack, Towel. J. Stefan. 157,212, Feb. 7.
Scarf. E. M. Lewis. 157,178, Feb. 7.
Scarf. V. M. Wested. 157,221, Feb. 7.
Scooter, Snow. H. G. Foster. 157,137, Feb. 7.
Scraping and cleaning implement or similar article, Combined. F. Siegel. 157,209, Feb. 7.
Sealing unit, Bag. C. Miller. 157,180, Feb. 7.
Shoe, Child's. S. Weisz. 157,220, Feb. 7.
Speaker for dictating machines, Soft. F. J. Fox, H. A. Williams, and R. A. Sherman, Jr. 157,138, Feb. 7.
Spoon, fork, and holder, Combination. E. Nudelman. 157,185, Feb. 7.
Spray device. S. F. Graham. 157,143, Feb. 7.
Sprender, Butter. G. H. Newell. 157,183, Feb. 7.
Stand, Display. J. W. Harvey. 157,152, Feb. 7.
Step, Safety ladder. H. W. Ronfeldt. 157,206, Feb. 7.
Support and steriliser, Combined telephone. J. L. Backle. 157,120, Feb. 7.
Support, Fluorescent lamp. A. F. Pieper. 157,204, Feb. 7.
Swivel. W. T. Blake and J. R. Moore. 157,122, Feb. 7.
Table. G. U. Nisle. 157,184, Feb. 7.
Table. C. F. Williams. 157,226, Feb. 7.
Table, Illuminating. L. J. Reynolds. 157,205, Feb. 7.
Tire, Pneumatic. P. J. Forrest and H. C. Wiechman. 157,135, Feb. 7.
Top and backsplasher unit for electric ranges, Combined. H. V. Gosweiler, Jr. 157,141–2, Feb. 7.
Towel. R. Forster. 157,136, Feb. 7.
Toy crossbow. P. W. White. 157,223–4, Feb. 7.
Toy, Rope-jumping figure. N. T. Baldanza. 157,121, Feb. 7.
Toy swing. I. Thomas. 157,215, Feb. 7.
Track, Band. R. W. Smith. 157,211, Feb. 7.
Tumbler and toothbrush holder, Combination. G. A. Hallenscheid. 157,145, Feb. 7.
Vessel, Pouring. W. L. Bumber. 157,126, Feb. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel. L. H. Metsger and V. J. Fantozzi. 2,496,352, Feb. 7.
Absorption or adsorption refrigeration. N. Erland af Kleen. 2,496,459, Feb. 7.
Acetal resins of improved stability, Preparation of polyvinyl. E. Lavin, A. T. Marinaro, and W. R. Richard. 2,496,480, Feb. 7.
Acid esters, Forming unsaturated. H. J. Hagemeyer, Jr. 2,496,791, Feb. 7.
Acylated aromatic compounds, Preparation of ring. R. E. Foster. 2,496,786, Feb. 7.
Adapter for cutout base receptacles. W. S. Edsall. 2,496,662, Feb. 7.
Adhesive. C. M. Carson. 2,496,934, Feb. 7.
Adjustable combination keyless lock. J. L. Justinian. 2,496,542, Feb. 7.
Adjustable garment hanger. J. A. Saunders. 2,496,561, Feb. 7.
Adjustable measuring receptacle. F. R. Chester. 2,496,268, Feb. 7.
Adjuster, Cutter. E. H. Larkins. 2,496,800, Feb. 7.
Adjusting means for reciprocating knives of cloth-cutting machines, Wear take-up. W. Aaron. 2,496,365, Feb. 7.
Adjustment mechanism for skiving knives. H. W. Carnes. 2,496,657, Feb. 7.
Aerodyne having wings movable in circular translation. J. P. Drapier. 2,496,385, Feb. 7.
Aid for the blind. J. W. Richardt, Jr., and O. A. Shann. 2,496,639, Feb. 7.
Air conditioning apparatus. H. O. Kirkpatrick. 2,497,028, Feb. 7.
Air conditioning apparatus. F. D. Peltier and M. C. Terry. 2,496,355, Feb. 7.
Air conditioning apparatus for railway cars. I. S. Ritter. 2,496,751, Feb. 7.
Air-conditioning system. R. C. Schlichtig. 2,496,602, Feb. 7.
Air control valve. J. H. Goldman. 2,496,286, Feb. 7.
Aircraft power unit converting fluid energy into static pressure energy. R. A. Wolf. 2,496,509, Feb. 7.
Aircraft with stabilising wing, Tailless. E. A. Stalker. 2,496,565, Feb. 7.
Alarm actuator, Mechanical and electrical thermostatic. L. F. Amprim. 2,496,687, Feb. 7.
Allyl esters of cyclohexyl substituted succinic acids. J. A. Cottrell, D. H. Hewitt, F. Armitage, E. Booth, and R. H. Buckle. 2,496,271, Feb. 7.
Alpha : beta : 2 : 2'-tetramethyl-4 : 4'-dihydroxystilbene. E. Walton and B. J. F. Hudson. 2,496,968, Feb. 7.
Amplifier, Chatter-free torque. R. F. Wild and R. B. Darnielle. 2,497,051, Feb. 7.
Amplifier, Cathode-ray deflection type. G. C. Szikiai. 2,496,361, Feb. 7.
Amplifier for eliminating oppositely directed signals, Two-way. G. E. Brode and H. B. Steinhauser. 2,496,266, Feb. 7.
Amplifier, Logarithmic. J. A. Hipple, Jr. 2,496,723, Feb. 7.
Amplifier, Logarithmic cascade. J. L. Lawson and F. W. Martin. 2,496,551, Feb. 7.
Amusement device. C. E. Larson. 2,497,003, Feb. 7.
Anchor. H. P. Shipley. 2,496,315, Feb. 7.
Anchor, Folding grapnel. B. Tamm. 2,496,503, Feb. 7.
Anchoring device, Pump. R. A. Lamb. 2,496,546, Feb. 7.
Antenna attaching device. T. B. Friedman. 2,496,938, Feb. 7.
Antenna reel. L. H. Finneburgh, Jr., M. R. Friedberg, and A. G. Turk. 2,496,785, Feb. 7.
Antenna, Television. J. M. Winer. 2,496,646, Feb. 7.
Anthraquinone dyestuffs. G. W. Seymour and C. E. Hieserman. 2,496,414, Feb. 7.
Anthraquinone, Manufacture of. G. M. Smyth and A. E. Moran. 2,496,894, Feb. 7.
Antiknock mixtures. G. Calingaert. 2,496,983, Feb. 7.
Antisiphoning device. A. R. Glidden. 2,496,992, Feb. 7.
Aperture and film feed, Variable film exposure. A. Briechle and E. C. Worden. 2,496,329, Feb. 7.
Apparatus for advancing and working plastic materials. G. E. Henning. 2,496,625, Feb. 7.
Apparatus for automatically stopping textile machines. W. E. Shann. 2,497,017, Feb. 7.
Apparatus for checking the work of arc welders. R. Sarazin. 2,496,313, Feb. 7.
Apparatus for contacting solids with fluids. J. Dubourg. 2,496,523, Feb. 7.
Apparatus for dynamic compression testing. O. Stern. 2,496,420, Feb. 7.
Apparatus for exposing and processing photographic film. E. H. Land. 2,496,630, Feb. 7.
Apparatus for filtration of liquids. E. W. Baily. 2,496,370, Feb. 7.
Apparatus for generating electrical impulses. A. D. Blumlein. 2,496,979, Feb. 7.
Apparatus for grooving rolls. V. S. Jackson. 2,496,395, Feb. 7.
Apparatus for heat-treating metal objects. A. J. Davis. 2,496,383, Feb. 7.
Apparatus for making flexible metal hose. S. Guarnaschelli. 2,496,700, Feb. 7.
Apparatus for producing a stabilized vitamin compound. R. P. Dunmire. 2,496,277, Feb. 7.
Apparatus for recording time intervals. A. F. Hasbrook. 2,496,392, Feb. 7.
Apparatus for sorting and/or selecting record cards. J. M. Boyle and J. W. Thompson. 2,496,435, Feb. 7.
Apparatus for teaching acrobatics. C. P. Pond. 2,496,748, Feb. 7.
Apparatus for the duplicating of index cards and the like for cross filing purposes. I. B. Current. 2,496,272, Feb. 7.
Apparatus, including rolls with mandrel gripping and work contacting portions for making curved profiles. C. A. Gerts and W. H. Clay. 2,497,043, Feb. 7.
Appliance for railway cars, Draft. S. Simonson. 2,497,048, Feb. 7.
Applying and anchoring a concrete sheathing to a rammed earthwall. J. R. Barton. 2,496,616, Feb. 7.
Aqueous dispersion of ethylene polymers containing a salt of a polymeric amic acid. M. E. Cupery. 2,496,989, Feb. 7.
Arch supporting means. V. Masal. 2,496,802, Feb. 7.
Arm support. D. F. Simmons. 2,496,605, Feb. 7.
Aromatic nitriles, Production of. W. I. Denton and R. B. Bishop. 2,496,660, Feb. 7.
Article dispenser. M. Caruso. 2,496,443, Feb. 7.
Article forming apparatus. C. O. Blaisdell. 2,496,929, Feb. 7.
Assembly for concrete construction, Paper tube. H. S. Reid. 2,497,058, Feb. 7.
Assembly for turbines, Bearing and seal. H. R. Strickland. 2,496,807, Feb. 7.
Assemblying slip multiple terminal banks. E. L. Malhiot. 2,496,949, Feb. 7.
Attachment for electric mixers, Scouring. H. C. Wolfe. 2,496,972, Feb. 7.
Attachment for tractors, Ditchdigging. V. J. Holopainen. 2,496,874, Feb. 7.
Automatic shutoff valve. A. V. B. Candler. 2,496,518, Feb. 7.
Automatic trailer brake. E. T. Roberts. 2,497,016, Feb. 7.
Automobile tool. W. H. Gaines. 2,496,528, Feb. 7.
Azamerocyanine dyes and the preparation thereof. T. R. Thompson. 2,496,899, Feb. 7.
Back rest, Bed. J. E. Morgan. 2,496,592, Feb. 7.
Bacteria, Culturing. L. B. Lockwood and F. H. Stodola. 2,496,297, Feb. 7.
Bag and making the same. E. S. Kardon. 2,496,796, Feb. 7.
Bags, Making rectangular flat. L. L. Salfisberg. 2,496,753, Feb. 7.
Bar : *See*—
  Spectacle sweat bar.
Basket for market carriers, Folding. G. W. Concklin. 2,496,778, Feb. 7.
Bath for brass immersion coating on aluminum and aluminum alloy. A. R. Balden and L. M. Morse. 2,496,845, Feb. 7.
Batter dispenser. H. R. Laubhan. 2,496,728, Feb. 7.
Battery and cell unit, Flat primary. A. Gelardin. 2,496,709, Feb. 7.
Battery charger. C. W. Dalzell. 2,496,859, Feb. 7.
Bayonet lock. H. A. Bing and B. J. Wolfe. 2,496,928, Feb. 7.
Bedclothes clamp. B. Wandel. 2,496,833, Feb. 7.
Belt coupling. E. E. Brunner. 2,496,695, Feb. 7.
Beta-amylase from sweet potatoes, Preparation of. A. K. Balls, M. K. Walden, and R. R. Thompson. 2,496,261, Feb. 7.
Bicycle stand. E. Morgan. 2,496,593, Feb. 7.
Bicycle stop light. D. M. Pearl. 2,497,012, Feb 7.
Bit : *See*—
  Drill bit. Expansion bit.
Block with spaced slabs, Building. L. A. Hallstead. 2,496,872, Feb. 7.
Blower for hay choppers. E. F. Huddle. 2,496,472, Feb. 7.
Board for electric power networks, Indicating. G. A. Burns. 2,496,853, Feb. 7.

Body top, Power-operated. D. E. Bramble. 2,496,437, Feb. 7.
Boiler : *See*—
  Steam boiler.
Boring bar holder. A. M. Thomas 2,497,059, Feb 7.
Bottle holder. R. Forrest. 2,496,527, Feb. 7.
Bottle holder. W. L. Kinnebrew. 2,496,478, Feb. 7.
Bow correcting apparatus. J. D. Robertson. 2,496,312, Feb. 7.
Bracket : *See*—
  Scaffold supporting bracket.
Brake : *See*—
  Automatic trailer brake.
Brake. R. C. Russell 2,496,497, Feb. 7.
Brake beam. L. L. Whitney. 2,496,685, Feb. 7.
Brake cylinder support. S. Schnell. 2,496,562, Feb. 7.
Brake energizer, Electrohydraulic. D. F. Bertonneau. 2,496,431, Feb. 7.
Bridge for measuring electromagnetic wave energy. M. H. Johnson, Jr. 2,496,541, Feb. 7.
Bridge, Leveling. K. J. Unwin. 2,496,645, Feb. 7.
Brush, Dope. W. G. Cummings. 2,496,381, Feb. 7.
Buckle and strap fastener, Cam-locking belt. P. Preszler. 2,496,891, Feb. 7.
Buffer. E. H. Waltke. 2,496,323, Feb. 7.
Burner : *See*—
  Gun type oil burner.
Burner for photoengraving. F. T. Powers. 2,496,814, Feb. 7.
Burner for tobacco curers, Pan-type liquid fuel. C. W. Critchfield. 2,496,987, Feb. 7.
C-vitaminized baking products, Preparing. W. A. Seeder. 2,497,035, Feb. 7.
Cable adjuster. C. Melidoni. 2,497,007, Feb. 7.
Calculating device. K. A. Hill. 2,496,942, Feb. 7.
Caliper, Inside. A. A. Balk. 2,496,655, Feb. 7.
Camera diaphragm operating attachment. N. Polanco. 2,496,408, Feb. 7.
Can body construction. W. Tomarin. 2,496,568, Feb. 7.
Can canceling device. H. J. Smith. 2,496,606, Feb. 7.
Cap : *See*—
  Gasoline tank cap.
Carrier : *See*—
  Luggage carrier. Slide carrier.
Carton and sealing the flaps thereof. W. J. Cupo. 2,496,336, Feb. 7.
Case : *See*—
  Merchandise case.
Casing, Razor motor. P. C. Neilsen. 2,496,744, Feb. 7.
Casting device for fishing lines. F. G. Nicholson. 2,496,403, Feb. 7.
Catalytic apparatus. N. P. Peet. 2,496,356, Feb. 7.
Cathode for thermionic tubes. F. A. Goulding. 2,496,530, Feb. 7.
Cathode-ray device, Multitarget. F. B. Llewellyn. 2,496,633, Feb. 7.
Cathode-ray tube circuit. H. S. Wertz. 2,496,970, Feb. 7.
Cation active resins, Preparation of. H. M. Day. 2,497,054, Feb. 7.
Cell, Optical absorption. H. H. Cary and K. P. George. 2,496,333, Feb. 7.
Celling and slicing machine, Apple. J. W. Pease. 2,496,637, Feb. 7.
Chassis and assembly, Hearing aid. R. E. Tresise and P. D. Kendall. 2,496,683, Feb. 7.
Check for looms, Picker stick. J. J. Hemingway. 2,496,722, Feb. 7.
Check valve. A. W. Thompson and E. A. Weinberg. 2,496,898, Feb. 7.
Chock, Wheel. A. P. Slavico. 2,496,499, Feb. 7.
Chuck, Lathe. F. Kraemer. 2,496,545, Feb. 7.
Cigarette making device. H. W. Carter. 2,496,875, Feb. 7.
Circuit : *See*—
  Cathode-ray tube circuit. Control circuit.
  Combining circuit. Electronic generator circuit.
  Compensated degenerative control circuit. Monitoring circuit.
Circuit and method, Detonation indicator. H. M. Barton, Jr. 2,496,338, Feb. 7.
Circuit breaker. A. Warsher. 2,496,759, Feb. 7.
Circuit breaker and operator therefor, Multipole anode. E. Goessel. 2,496,789, Feb. 7.
Circuit breaker, Resettable. R. Carle. 2,496,332, Feb. 7.
Circuit interrupter. H. H. Fahnoe. 2,496,704, Feb. 7.
Circuits for determining relay time intervals, Testing. A. S. Dubuar. 2,496,622, Feb. 7.
Clamp : *See*—
  Bedclothes clamp.
Clamp for ironing boards, Garment. E. J. Lowry. 2,496,801, Feb. 7.
Clamping device. W. J. Lewis. 2,497,030, Feb. 7.
Cleaner : *See*—
  Horological instrument cleaner. Toilet bowl cleaner.
Cleaner for drain pipes. W. F. Eggleston. 2,496,525, Feb. 7.
Clip : *See*—
  Tenter clip.
Clock, World. A. Tellier. 2,496,826, Feb. 7.
Clockmaker's tool. R. E. Warkentin. 2,496,611, Feb. 7.
Clutch : *See*—
  Dual lever friction clutch.
Clutch and brake mechanism for ornamenting machines. J. G. Herbers. 2,496,793, Feb. 7.
Coating cathode-ray tubes, Method and composition for. A. J. van Hoorn. 2,496,901, Feb. 7.
Coating magnesium and magnesium base alloys. N. H. Simpson and P. R. Cutter. 2,497,036, Feb. 7.
Coating process, Thermite. S. B. Wicker. 2,496,971, Feb. 7.
Colter mounting. J. E. Lyle. 2,496,481, Feb. 7.
Comb and container, Combination. B. S. Renfrew. 2,496,311, Feb. 7.
Comb-barrette. H. Moses. 2,496,487, Feb. 7.
Combining circuit. H. B. Smith. 2,496,317, Feb. 7.
Communication system. R. F. Baum. 2,496,846, Feb. 7.
Compensated degenerative control circuit. O. W. Livingston. 2,496,881, Feb. 7.
Composition of matter suitable for dental liners. A. Fink. 2,496,387, Feb. 7.
Composition useful as gum inhibitor for motor fuels. M. R. Brimer. 2,496,930, Feb. 7.
Compressor, Nutating axis rotary. D. O. Manseau. 2,496,608, Feb. 7.
Concentrating polyalkylene oxide condensation products. C. R. Enyeart. 2,496,582, Feb. 7.
Concrete parts, Method and apparatus for manufacturing. R. Bertrand. 2,496,850, Feb. 7.
Condensation products, Producing. J. Ross and A. I. Gebhart. 2,496,358, Feb. 7.
Construction for spinning or roving frames, Saddle, stirrup, and bearing. C. H. Williams. 2,496,765, Feb. 7.
Contact for electrical switches. L. H. Matthias and E. C. Ragatz. 2,496,555, Feb. 7.
Container : *See*—
  Display container. Refuse can container.
  Ink container.
  Portable refrigerated container.
Container partitioning device. F. C. Steinhauer. 2,496,964, Feb. 7.
Container with closure and closure puncturing dispensing spout. P. Alexander. 2,496,258, Feb. 7.
Control apparatus. H. F. Elliott. 2,496,453, Feb. 7.
Control apparatus. S. L. Gillespie. 2,496,284, Feb. 7.
Control-apparatus, Electric. H. F. Elliott. 2,496,456, Feb. 7.
Control circuit. W. W. H. Dean. 2,496,446, Feb. 7.
Control device for radio tuners. H. F. Elliott. 2,496,454, Feb. 7.
Control for milking machines, Milk flow. A. G. Perkins. 2,496,307, Feb. 7.
Control for velocity-modulation tubes, Unitary. R. H. Hoglund, G. E. Hulstede and A. J. Yakutis. 2,496,535, Feb. 7.
Control mechanism. H. F. Elliott. 2,496,457, Feb. 7.
Control system. E. T. Davis. 2,496,860, Feb. 7.
Control system. E. C. Hartwig. 2,496,719, Feb. 7.
Control system for hydraulically driven machine tool elements. E. Y. Seborg. 2,496,756, Feb. 7.
Controlled width pulse generator. M. H. Kanner. 2,496,543, Feb. 7.
Converter, Frequency. M. A. Liesman. 2,497,055, Feb. 7.
Conveyer, Screw. P. V. Whitney. 2,496,764, Feb. 7.
Cookstove. H. M. Reeves. 2,496,750, Feb. 7.
Cooler : *See*—
  Liquid cooler.
Cooling apparatus, Liquid. F. O. Graham. 2,496,466, Feb. 7.
Copolymerization of thiophene with styrene. J. R. Meadow and A. A. O'Kelly. 2,496,669, Feb. 7.
Copolymers of butadiene and monocyclic terpene alcohol esters of acrylic acids. A. M. Clifford. 2,496,935, Feb. 7.
Copper oxide pellets, Production of. W. C. Moore. 2,496,353, Feb. 7.
Counter, Contiguous rotation. L. R. Harper. 2,496,585, Feb. 7.
Coupler, Railway car. H. H. Wolfe. 2,496,425, Feb. 7.
Coupling : *See*—
  Belt coupling. Threadless coupling.
  Flexible coupling. Tube coupling.
  Flexible shaft coupling.
Cover and stand, Combined coffee brewer. C. W. Hellberg. 2,496,792, Feb. 7.
Cover for bricks, Removable. J. R. Clark. 2,496,984, Feb. 7.
Cover unit, Mining machine protective. C. E. Brown. 2,496,694, Feb. 7.
Crane, Truck. W. McKinney. 2,496,401, Feb. 7.
Crankshaft, Multisection. F. G. Lake. 2,496,397, Feb. 7.
Crate for paper milk containers. D. R. Swingle. 2,496,965, Feb. 7.
Crop cutter. E. P. Brukholder. 2,496,982, Feb. 7.
Crossing, Highway-railway grade. W. J. Montgomery. 2,496,739, Feb. 7.
Crystal holder. E. F. Kiernan. 2,496,293, Feb. 7.
Cushioning device for fluid conduits. E. Singer. 2,497,020, Feb. 7.
Cutter : *See*—
  Crop cutter.
Cutting machine, Doughnut. W. C. Hanson. 2,496,468, Feb. 7.

Cyanine dye intermediates containing an aryloxy-, arylthio- or arylselenoalkyl-p- toluenesulfonate group attached to the nitrogen atom thereof. A. W. Anish. 2,496,842, Feb. 7.
Cyclic ether peroxide catalysts in the polymerization of conjugated diolefins. H. M. Guinot. 2,496,390, Feb. 7.
Cyclopropane, Production of. L. H. Sommer. 2,496,419, Feb. 7.
Cylinder, Wheel. P. S. Baldwin. 2,496,260, Feb. 7.
Damper and pipe control, Thermostat. J. Bell. 2,496,410, Feb. 7.
Damper control, Spring return. B. Ratasak. 2,496,409, Feb. 7.
Damper, Crankshaft torsional vibration. G. L. Williams. 2,496,836, Feb. 7.
Desulfurization of crude and cracked petroleum distillates. C. O. Hoover. 2,496,536, Feb. 7.
Detachable tone arm mounting. R. G. Bode and C. A. Geib. 2,496,693, Feb. 7.
Detection and measurement device, High-frequency. J. M. Lafferty. 2,496,879, Feb. 7.
Detector, Angle modulation. S. W. Seeley. 2,496,818, Feb. 7.
Detent means for optical lens turrets, Indexing. I. Ciuki. 2,496,269, Feb. 7.
Determining the elongation properties of coating films, Method and apparatus for. D. M. Williams. 2,497,052, Feb. 7.
Detonation meter. D. R. de Boisblanc. 2,496,337, Feb. 7.
Device for integrating a variable quantity. I. E. Grosdoff. 2,496,912, Feb. 7.
Device for measuring the degree of adhesion of vehicle wheels to their tracks. J. T. Foufounis. 2,496,405, Feb. 7.
Device for reading meniscuses. F. G. Dresser. 2,496,447, Feb. 7.
Device for removing sealing closures. I. Newman. 2,496,672, Feb. 7.
Dial, Radio. H. A. Ohman. 2,496,488, Feb. 7.
Dialkyl silane derivative of ricinoleic acid ester. R. E. Christ. 2,496,335, Feb. 7.
Dictating and interoffice-communicating system, Combined. R. M. Somers and S. J. Weltzer. 2,497,037, Feb. 7.
Disconnector for electrical systems, Quick. K. E. Lyman. 2,496,732, Feb. 7.
Disintegrator, Pump. W. Rymann. 2,496,359, Feb. 7.
Dispenser: *See*—
Article dispenser. Batter dispenser.
Dispenser for paper cups and the like. A. A. Perelman. 2,496,812, Feb. 7.
Dispensing machine, Article. R. Balzer. 2,496,689, Feb. 7.
Dispersions containing solid polymers of ethylene, Production of. F. Dawson. 2,496,907, Feb. 7.
Display container. R. I. Promisel. 2,496,918, Feb. 7.
Display sign. E. T. Peterson. 2,496,747, Feb. 7.
Distributor, Fertiliser. W. B. Aspinwall. 2,496,573, Feb. 7.
Distributor for Diesel fuel pumps, Fuel. F. L. Bartram. 2,496,768, Feb. 7.
Doorstop and holder. C. F. Berry. 2,496,691, Feb. 7.
Draft gear. J. R. Cardwell. 2,496,442, Feb. 7.
Drawer construction. J. V. Nielsen. 2,496,673, Feb. 7.
Drawer pull. F. G. Szager. 2,496,966, Feb. 7.
Drawer slide construction. C. G. Hallberg. 2,496,997, Feb. 7.
Drier: *See*—
Portable clothes drier.
Drill. J. Gonzalez. 2,496,939, Feb. 7.
Drill bit. J. C. Stokes. 2,496,421, Feb. 7.
Drilling device, Deep well. V. Prassel. 2,496,954, Feb. 7.
Drive for helicopter rotors, Constant speed. C. P. Heintze. 2,496,624, Feb. 7.
Driver, Mobile pile. R. D. Fiedler. 2,496,706, Feb. 7.
Drying apparatus, Hair. A. Newman. 2,496,597, Feb. 7.
Drying fruit or vegetable materials containing added methyl cellulose. C. W. Eddy. 2,496,279, Feb. 7.
Dual lever friction clutch. R. S. Root. 2,496,411, Feb. 7.
Dustpan, Covered. W. F. Malone. 2,496,735, Feb. 7.
Dyeing process for wood, Single-bath chrome. F. Felix, A. Heckendorn, E. Reich, and F. Oesterlein. 2,496,386, Feb. 7.
Easel, Photographic printing. K. C. De Groff. 2,496,701, Feb. 7.
Edger, Lawn. H. C. Beck. 2,496,327, Feb. 7.
Edger, Lawn. R. Cochran. 2,496,377, Feb. 7.
Educational apparatus. A. Tellier. 2,496,827, Feb. 7.
Egg method and container, Frozen. L. Schwartzberg. 2,496,755, Feb. 7.
Egg separator. E. C. Thorpe and W. C. Shiew. 2,496,567, Feb. 7.
Electric iron. R. Opperman. 2,496,746, Feb. 7.
Electric plug. M. Kaplan. 2,496,476, Feb. 7.
Electric regulator. W. G. Neild. 2,496,743, Feb. 7.
Electrical apparatus, High-frequency. R. B. Nelson. 2,496,887, Feb. 7.
Electrical system. W. H. Newell and H. F. McKenney. 2,497,011, Feb. 7.
Electrochemical preparation of α-amino-n-butyric acid and N-benzoyl derivative. J. H. Billman. 2,497,024, Feb. 7.
Electron discharge device. P. L. Spencer. 2,496,500, Feb. 7.
Electronic control for electrically operated devices. W. P. Menkhaus. 2,496,486, Feb. 7.
Electronic discharge device. M. D. Fiske. 2,496,865, Feb. 7.
Electronic generator circuit. J. E. Gall. 2,496,283, Feb. 7.
Elevator for pipes. A. L. Stone. 2,496,360, Feb. 7.
Elevator, Sickle bar. R. R. Thomas. 2,496,608, Feb. 7.
Ellipsograph. A. Arnason. 2,496,614, Feb. 7.
Emulsion polymerization of styrene. E. F. Fiedler and G. R. Lucas. 2,496,864, Feb. 7.
Emulsion polymerization process for the manufacture of copolymers of homogeneous composition. W. L. J. de Nie. 2,496,384, Feb. 7.
Engine: *See*—
Internal-combustion engine. Two-stroke cycle internal-combustion engine.
Engine temperature and cowl flap control for aircraft ground trainers. F. M. Burelbach. 2,496,617, Feb. 7.
Engine with telescopic thrust augmenter, Pulse jet. J. J. Mazzoni. 2,496,351, Feb. 7.
Engraving and numbering apparatus, Scale. C. W. Clutz and E. A. Young. 2,496,936, Feb. 7.
Esters of hydroxyalkyl aromatic sulfonamides. D. Aelony. 2,496,650–1, Feb. 7.
Ether derivatives. M. Katzman and A. K. Epstein. 2,496,875, Feb. 7.
Evaluating device, Ship loading. C. W. Merriam, Jr., and F. K. Perkins. 2,496,302, Feb. 7.
Evaporator, Refrigerant. L. A. Philipp. 2,496,558, Feb. 7.
Expansion bit. H. C. Wilson. 2,496,427, Feb. 7.
Extension for material handling scoops. G. Siems. 2,496,583, Feb. 7.
Extension for tractor drawbars, Vertically swingable. B. M. Hyman. 2,496,474, Feb. 7.
Fastener: *See*—
Separable fastener.
Fastener structure. R. C. Legat. 2,496,946, Feb. 7.
Fastening device. L. H. Flora. 2,496,866, Feb. 7.
Fastening means, Tail gate. L. D. James. 2,496,944, Feb. 7.
Fat liquoring and alum tanning. B. Schiller and R. M. Beach. 2,496,640–1, Feb. 7.
Faucet. C. Saurer. 2,496,679, Feb. 7.
Feed carriage control mechanism. T. H. Ljunggren and W. F. Moore. 2,496,400, Feb. 7.
Feeder: *See*—
Poultry feeder.
Feeder for honeybees. W. O. Goebel. 2,496,285, Feb. 7.
Feeding arm for hay balers. F. Dunaway. 2,496,524, Feb. 7.
Feeding mechanism for sewing machines. R. Schulthess. 2,496,817, Feb. 7.
Felting and shrinking process. M. T. Hoffman. 2,496,873, Feb. 7.
Filing wheel. J. J. Phillips. 2,496,491, Feb. 7.
Film processing machine with film operated control means for a fluid applicator. B. E. Luboshez. 2,496,947, Feb. 7.
Films of 2,3-dichlorobutadiene copolymers, Transparent wrapping. A. L. Barney. 2,496,976, Feb. 7.
Finishing electric rotors. D. D. Austin, Sr. 2,497,023, Feb. 7.
Finishing process for spinning jets. S. A. Mansfield and C. E. Bishop. 2,496,299, Feb. 7.
Fishing lure. C. Witte. 2,496,927, Feb. 7.
Fixture, Combination lighting and display. E. O. Anders. 2,496,513, Feb. 7.
Fixture for lathe turning of angularly disposed surfaces. H. G. Hendrickson and V. J. Hagberg. 2,496,533, Feb. 7.
Flexible coupling. R. W. Dykman and C. A. Haubroe. 2,496,702, Feb. 7.
Flexible mounting. J. R. Bennett. 2,496,770, Feb. 7.
Flexible shaft coupling. P. M. Griffin. 2,496,871, Feb. 7.
Float, Fishing. G. T. Chapman. 2,496,334, Feb. 7.
Float, Pneumatic. J. Evans. 2,496,460, Feb. 7.
Flow control, Automatic safety. E. W. Millard. 2,497,032, Feb. 7.
Flowerpot hanger. W. A. Bochau. 2,496,851, Feb. 7.
Fluid catalyst for hydrocarbon synthesis, Red-iron oxide type. B. G. Gillespie. 2,496,343, Feb. 7.
Fluid control valve. W. A. Ray. 2,496,638, Feb. 7.
Flourination of polymeric materials. E. L. Kropa. 2,497,046, Feb. 7.
Flush type door handle. W. P. McCallick and Y. L. Sanchez. 2,496,737, Feb. 7.
Flux in calcining cadmium pigment crude, Controlled. G. C. Marcot. 2,496,588, Feb. 7.
Fly ash and dust collector. E. F. Fisher. 2,496,281, Feb. 7.
Foldable gaff hook. V. Stoddard. 2,496,822, Feb. 7.
Follow-up and pressure fluid type servo motor. L. H. Baghuis. 2,496,369, Feb. 7.
Food mixer. E. L. Schwarz-Kast. 2,496,919, Feb. 7.
Force multiplying mechanism. K. W. Hall. 2,496,344, Feb. 7.
Form for constructing tile faced concrete walls. J. J. Wagner. 2,496,571, Feb. 7.
Formaldehyde corrosion inhibitor compositions. M. I. Moyer and J. M. Hersh. 2,496,594, Feb. 7.
Forming plastic laminates, Method and apparatus for. L. B. Green. 2,496,911, Feb. 2.

Fortifying feeds. D. Melnick. 2,496,634, Feb. 7.
4,4'-diketodicyclohexyl, Production of. J. R. Schaefgen. 2,496,960, Feb. 7.
Frame: *See*—
Metal clothesline frame.
Frame for dynamoelectric machines. R. O. Watkins. 2,496,507, Feb. 7.
Frames, Making picture. C. C. Miles. 2,496,884, Feb. 7.
Friction grip. W. B. McVeigh and R. H. Baines. 2,496,402, Feb. 7.
Fuel control means, Engine. L. E. Endsley and J. E. Justus. 2,496,458, Feb. 7.
Fuel controlling apparatus for longitudinally movable combustion chambers. R. H. Goddard. 2,496,710, Feb. 7.
Fuel, Diesel. F. V. Cook. 2,496,444, Feb. 7.
Fuel injection device. D. E. Meitzler. 2,496,804, Feb. 7.
Full stroke mechanism. H. I. Richardson. 2,496,494, Feb. 7.
Furnace: *See*—
Heating furnace.
Furniture, Combination. V. E. Johnson. 2,497,001, Feb. 7.
Game apparatus, Tether ball. K. A. Johnson. 2,496,795 Feb. 7.
Game, Marble. N. T. Boyle. 2,496,436, Feb. 7.
Garment hanger. T. E. Gray. 2,496,531, Feb. 7.
Garment, Infant's sleeping. M. B. Virtue. 2,496,922, Feb. 7.
Garment support. D. P. Hunt and V. S. McCarthy. 2,496,473, Feb. 7.
Gas probe of the thermocouple type. E. M. Moffatt. 2,496,807, Feb. 7.
Gas probe, Thermoelectric. R. S. Buck. 2,496,774, Feb. 7.
Gas temperature probe of the thermocouple type. E. M. Moffatt. 2,496,806, Feb. 7.
Gas temperature probe of the thermocouple type. L. A. Ward. 2,496,835, Feb. 7.
Gasoline tank cap. J. C. McKalip. 2,496,883, Feb. 7.
Gauge: *See*—
Lead gauge. Liquid level gauge.
Gauze, Preparing oxidized cellulose. W. O. Kenyon, C. C. Unruh, and W. F. Fowler, Jr. 2,496,797, Feb. 7.
Gear: *See*—
Draft gear. Vehicle change-speed and steering gear.
Retractable shock-absorbing landing gear.
Gear unit, Reduction. V. Cronstedt and A. H. King. 2,496,857, Feb. 7.
Generator: *See*—
Controlled width pulse generator. Pulse generator.
Geometrical determination of dip and strike of cored strata. P. Subkow. 2,496,422, Feb. 7.
Gingerbread mix. P. W. Salo and L. J. Huber. 2,496,678, Feb. 7.
Glass, Ferric fluophosphate. K. Sun and T. E. Callear. 2,496,824, Feb. 7.
Glove, Pocket. M. W. Macreadie. 2,496,734, Feb. 7.
Glycerine condensation. P. Bradford. 2,496,576, Feb. 7.
Golf club holding device. E. B. Moore. 2,496,808, Feb. 7.
Grading apparatus. H. R. Watson. 2,496,760, Feb. 7.
Grinding or honing, Method and apparatus for. L. E. Sterns. 2,497,021, Feb. 7.
Guard for railway journal boxes, Dust. P. F. Nardulli. 2,497,056, Feb. 7.
Guard for rotary disks. W. H. Woodward. 2,496,613, Feb. 7.
Guide, Automatic electric tractor. W. C. Jenkins. 2,496,727, Feb. 7.
Guide collet. G. Gorton. 2,496,995, Feb. 7.
Guide, Picker stick. E. H. Ashton. 2,496,368, Feb. 7.
Gun type oil burner. A. Cadella. 2,496,775, Feb. 7.
Gun, Unitary ceramic electron. C. S. Szegho. 2,496,825, Feb. 7.
Handle: *See*—
Flush type door handle.
Hanger: *See*—
Adjustable garment hanger. Garment hanger.
Flowerpot hanger. Picture hanger.
Harmonica, Transposing. M. F. Abbott. 2,496,511, Feb. 7.
Harvester gatherer construction, Corn. N. F. Andrews and R. L. Dort. 2,496,514, Feb. 7.
Hay gatherer and chopper. R. R. Raney. 2,496,493, Feb. 7.
Heater. H. J. McCollum. 2,496,738, Feb. 7.
Heater fan mounting. S. J. Helman. 2,496,720, Feb. 7.
Heater for deicing air foils. R. S. Ely and I. M. Ketcham. 2,496,279, Feb. 7.
Heating apparatus for sequentially brazing a plurality of parts in a protective atmosphere, High-frequency. J. R. Marcus and O. F. Warning. 2,496,950, Feb. 7.
Heating furnace. F. O. Hess. 2,496,914, Feb. 7.
Heating system. T. W. Holmes and G. I. Holmes. 2,496,540, Feb. 7.
Heating unit, Electric. L. S. Weimer. 2,497,039, Feb. 7.
Heat sealing rubber hydrochloride. J. E. Snyder. 2,496,963, Feb. 7.
Helicopter construction. S. B. Williams. 2,497,040, Feb. 7.
Hemp breaking machine. A. L. Trumbo. 2,496,570, Feb. 7.
Hoist, Suspended type. C. H. Schramm and R. E. Smith. 2,496,754, Feb. 7.
Holder: *See*—
Boring bar holder. Locking holder.
Bottle holder. Steel wool holder.
Crystal holder.
Holder for attachment to measuring sticks, Chalk. C. W. Newton. 2,496,811, Feb. 7.
Holder for automobiles, Display card. W. E. Whaley. 2,496,763, Feb. 7.
Holder for cut flowers, Adjustable. I. R. Tingley. 2,496,758, Feb. 7.
Holder for manifolding work, Carbon. B. E. Schaefer. 2,496,600, Feb. 7.
Hook: *See*—
Foldable gaff hook.
Hop-picking machine. M. E. Crowley. 2,496,858, Feb. 7.
Horological instrument cleaner. G. C. Wagner. 2,496,506, Feb. 7.
Hose reel. G. H. Palm. 2,496,489, Feb. 7.
Hydration of olefins, Catalytic. R. F. Deery. 2,496,621, Feb. 7.
Hydraulic press. R. J. Hess and F. G. Cisek. 2,497,044, Feb. 7.
Hydrocarbon synthesis process. J. P. Billisoly. 2,496,265, Feb. 7.
Hydrogen sulfide corrosion of metals, Inhibiting. M. I. Moyer and J. M. Hersh. 2,496,354, Feb. 7.
Hydroscope and camera combination. M. F. Berglund. 2,496,430, Feb. 7.
Igniter, Torch. S. Bachrach. 2,496,257, Feb. 7.
Ignitible composition. F. Ringer. 2,496,815, Feb. 7.
Ignition control system. R. Steensma. 2,496,502, Feb. 7.
Impedance matching system. P. H. Smith. 2,496,643, Feb. 7.
Implement with tiltable bucket, Back hoe excavating. H. C. Burner and G. E. Nigh. 2,496,696, Feb. 7.
Improving filament life. C. W. Hansell. 2,496,717, Feb. 7.
Incubator and brooder, Combination. W. G. Bonham. 2,496,433, Feb. 7.
Indicator: *See*—
Wind direction indicator.
Ink container. W. V. Werner and H. H. Helmer. 2,496,761, Feb. 7.
Inorganic oxide spherical particles, Manufacture of. L. S. Kassel. 2,496,396, Feb. 7.
Inorganic salts, The separation and recovery of. C. A. Hambel. 2,496,288–90, Feb. 7.
Instrument, Aircraft. L. de Flores. 2,496,274, Feb. 7.
Instrument for testing rupture strength of sheet material. H. C. Johnston. 2,496,627, Feb. 7.
Insulation composition for electrical devices. R. P. Lutz. 2,496,948, Feb. 7.
Integrator, Reversing acceleration. J. Rabinow. 2,496,310, Feb. 7.
Internal-combustion engine. H. N. Edens. 2,496,449, Feb. 7.
Interrupter. L. A. Cleaveland and F. H. Tooker. 2,496,376, Feb. 7.
Iron: *See*—
Electric iron. Waffle iron.
Iron rich in carbon, Producing cast. J. B. Deschamps and J. Bergier. 2,496,863, Feb. 7.
Ironing machine, Shoe welt, seam, and rib. J. P. Fredericksen. 2,496,341, Feb. 7.
Isolation of low-methoxyl pectins. H. S. Owens, R. M. McCready, and W. D. Maclay. 2,496,306, Feb. 7.
Jar lid wrench. W. Barclay. 2,496,262, Feb. 7.
Jets, Production of spinning. G. Schneider. 2,496,961, Feb. 7.
Joint: *See*—
Pipe joint. Socket joint.
Railway bridge joint.
Joint construction. W. A. Flumerfelt. 2,496,869, Feb. 7.
Knife for lawn mowers, Bed. E. H. Worthington. 2,496,973, Feb. 7.
Knife, Sportsman's. P. R. Alexander. 2,496,840, Feb. 7.
Knife, Sportsman's. R. P. Frye. 2,496,707, Feb. 7.
Knob assembly. F. A. Cole. 2,496,700, Feb. 7.
Knob, Star hand. D. T. Haines. 2,496,714, Feb. 7.
Ladder foot. H. F. Husted. 2,496,539, Feb. 7.
Lamp: *See*—
Tubular electric lamp. Vehicle signal lamp.
Lamp operation, Exciter. R. C. Curtis and S. J. Martin. 2,496,273, Feb. 7.
Lamp shade and making the same. E. K. and R. W. Madan. 2,496,482, Feb. 7.
Lamp system, Negative reactance. C. P. Boucher and R. W. Kelser. 2,496,981, Feb. 7.
Latching device, Door. C. A. Fox. 2,497,026, Feb. 7.
Lay construction for looms. M. F. Kieley and A. R. Abbott. 2,496,628, Feb. 7.
Lead gauge. W. Sherwood. 2,496,314, Feb. 7.
Lens structure with liquid filler, Hollow circular segmental. R. D. Stephens. 2,496,681, Feb. 7.
Lever actuated pivoted jaw wrench. W. E. Pugh and R. J. Champayne. 2,496,308, Feb. 7.
Lever actuated pivoted jaw wrench. W. E. Pugh. 2,496,309, Feb. 7.

Lifter: *See*—
Pie plate lifter.
Light: *See*—
Bicycle stop light.
Linear polyesters of hydroquinone, saturated glycols and dicarboxylic acids and their preparation. J. R. Caldwell. 2,496,933, Feb. 7.
Liner, Cylinder. F. M. Lankford. 2,496,547, Feb. 7.
Liner for adherent rubber surfaces and the like. W. Kellgren and J. J. Charpentier. 2,496,349, Feb. 7.
Link, Educational. R. A. Nerrie. 2,496,810, Feb. 7.
Liquid cooler. L. H. Clarke. 2,496,777, Feb. 7.
Liquid level gauge. S. L. Adelson. 2,496,366, Feb. 7.
Liquid separation, Three-way gravity. H. N. Ekbom. 2,496,703, Feb. 7.
Loading and unloading device for vehicles, Log. J. S. Gilbey. 2,496,388, Feb. 7.
Lock: *See*—
Adjustable combination lock.
Bayonet lock.
keyless lock.
Window lock.
Lock control and indication, Switch. W. H. Claus. 2,496,580, Feb. 7.
Locking device for push-pull controls. W. H. D. Brouse. 2,496,931, Feb. 7.
Locking holder. O. B. Jacobs. 2,496,726, Feb. 7.
Loud-speaker, Double diaphragm. J. F. Marquis. 2,496,589, Feb. 7.
Loud-speaker with diaphragm and integral part of outer casing. F. Massa. 2,496,483, Feb. 7.
Lubricating composition, Rust-inhibiting. H. D. Kluge. 2,496,798, Feb. 7.
Lubricating system, Outboard motor. A. S. Bosma. 2,496,434, Feb. 7.
Luggage carrier. M. E. Morscher. 2,497,033, Feb. 7.
Machine for making cinder, concrete, or similar blocks. W. J. Thacker. 2,496,682, Feb. 7.
Machine for rolling and setting leather. C. R. Sims. 2,496,418, Feb. 7.
Machine for sizing and cleansing asparagus tips. F. A. Bellato. 2,496,516, Feb. 7.
Machine stator, Dynamoelectric. D. A. van den Berg. 2,496,831, Feb. 7.
Machine tool. I. E. Cox. 2,496,379, Feb. 7.
Magnetically operated device. G. H. Leland. 2,496,880, Feb. 7.
Marble shooter. G. A. Hatherell. 2,496,345, Feb. 7.
Marine foundation, Portable. H. E. Gross. 2,496,532, Feb. 7.
Masses containing chocolate, The treatment of. T. Nordenskjöld and K. S. Holmquist. 2,496,557, Feb. 7.
Maulstick, Artist's. M. Dolas. 2,496,276, Feb. 7.
Measuring and controlling apparatus for catalyst regenerators. W. P. Wills. 2,497,053, Feb. 7.
Measuring system, Distance. E. E. Turner, Jr. 2,496,900, Feb. 7.
Mechanism for forming coils. G. L. Grundmann. 2,496,913, Feb. 7.
Mechanism for rolling baby carriages and the like. G. W. Mackie. 2,496,733, Feb. 7.
Mechanism for time stamps, Electrically controlled platen operating. F. Q. Rast. 2,496,598, Feb. 7.
Megaphone, including mouth- and earpieces. C. Cunningham. 2,496,988, Feb. 7.
Merchandise case. E. P. Cunningham, Jr. 2,496,619, Feb. 7.
Metal clothesline frame. C. A. Larson. 2,496,549, Feb. 7.
Metalworking apparatus. F. A. Fritzsch. 2,496,663, Feb. 7.
Meter: *See*—
Detonation meter.
Microphotometer, Automatic recording. E. Vassy. 2,496,967, Feb. 7.
Mill: *See*—
Multiple and rotatable stamp mill.
Mirror and light beam wheel alignment characteristic measuring device. R. E. Wilson. 2,496,324, Feb. 7.
Mixer: *See*—
Food mixer.
Modulation system. H. A. Vila. 2,496,610, Feb. 7.
Modulation system, Single side band. R. H. Dicke. 2,496,521, Feb. 7.
Moistener for duplicating machines. A. J. Wright. 2,496,838, Feb. 7.
Mold for casting storage battery straps. C. D. Galloway. 2,496,991, Feb. 7.
Molding. R. Minuto. 2,497,009, Feb. 7.
Molding compositions, Curing cement-type cold. R. W. Staley. 2,496,895, Feb. 7.
Molding machine. A. Scott and J. B. Amstutz. 2,496,604, Feb. 7.
Monitoring circuit. J. F. Bachmann. 2,496,259, Feb. 7.
Motor: *See*—
Follow-up and pressure fluid type servo motor.
Mounting: *See*—
Caliper mounting.
Detachable tone arm mounting.
Flexible mounting.
Heater fan mounting.
Tape cylinder mounting.
Tone arm mounting.
Mounting with adjusting and locking means, Projector lens. R. J. Dunlavey. 2,496,448, Feb. 7.
Mouse and rat trap. W. L. Hayden. 2,496,393, Feb. 7.
Mouthpiece, Micrometer-type adjustable saxophone. L. R. Reddick. 2,496,749, Feb. 7.
Multijointed device. J. H. Culvertson. 2,496,519, Feb. 7.
Multiple and rotatable stamp mill. G. C. E. Keet. 2,496,477, Feb. 7.
N-acyl penicillamines and preparation thereof. J. C. Sheehan, R. Mozingo, K. Folkers, and M. Tishler. 2,496,416, Feb. 7.
N-aroyl alanine amides. H. Martin and H. Gysin. 2,496,882, Feb. 7.
N-(di-substituted thiocarbamyl-thiomethylene) aromatic amines. A. F. Hardman. 2,496,941, Feb. 7.
Nailing machine. E. P. Anstett. 2,496,974, Feb. 7.
Network, Frequency dividing. E. A. Goldberg. 2,496,994, Feb. 7.
Network, Frequency sensitive. S. L. Lindbeck and W. O. Osbon. 2,496,730, Feb. 7.
19-nordesoxycorticosterone. M. R. Ehrenstein. 2,496,450, Feb. 7.
Nitriles, Production of. W. I. Denton. 2,496,661, Feb. 7.
Nitriles, Production of. W. I. Denton and R. B. Bishop. 2,496,659, Feb. 7.
Nozzle, Tank car. C. E. Reedy. 2,496,677, Feb. 7.
Nut butter, Manufacture of. G. A. Fisher. 2,496,461, Feb. 7.
Nut starting wrench. C. J. Weyrauch. 2,496,762, Feb. 7.
Nuts, Roasting whole. G. A. Fisher. 2,496,462, Feb. 7.
Oil films, Producing. J. E. Vallerie. 2,496,362, Feb. 7.
Oil pressure control and warning device. A. C. Korte and A. N. Szwarguiski. 2,497,029, Feb. 7.
Oil pressure regulator. L. D. Cahill. 2,496,577, Feb. 7.
Oil reconditioning or clarifying apparatus. D. H. Palmer. 2,496,888, Feb. 7.
1-alkyl-benzylaminopiperidines and their production. R. H. Reitsema. 2,496,958, Feb. 7.
1-alkyl-4-(beta-hydroxyethylamino)-piperidines. R. H. Reitsema. 2,496,956, Feb. 7.
1-alkyl-4-pyrrolidinoethylaminopiperidines. R. H. Reitsema. 2,496,955, Feb. 7.
1-alkyl-(N-benzyl-N-alphapyridylamino)-piperidines and their production. R. H. Reitsema. 2,496,957, Feb. 7.
Organic sulfur-containing compounds, Stabilized. R. W. Watson and L. W. Mixon. 2,496,508, Feb. 7.
Oscillator, Pulsed. A. D. Blumlein. 2,496,980, Feb. 7.
Oscillator, Temperature responsive piezoelectric crystal. H. M. Bach. 2,496,975, Feb. 7.
Oxide coatings on aluminum, Treatment of. W. G. Zelley. 2,496,649, Feb. 7.
Package cooled by ice, Fresh produce. A. Longo. 2,496,731, Feb. 7.
Padlock. J. P. J. Vickers. 2,496,320, Feb. 7.
Pan for beauticians' wash sinks, Removable cold wave or die. F. G. Upchurch. 2,496,684, Feb. 7.
Pantograph. R. M. Eichmann. 2,496,781, Feb. 7.
Pantograph. J. G. Raynes. 2,497,013, Feb. 7.
Pantothenic acid salts, Preparing certain. E. H. Wilson, J. Weijlard, and M. Tishler. 2,496,363, Feb. 7.
Paper, Carbon. C. B. Cook, Jr. 2,496,856, Feb. 7.
Paper products, Multiweb bonded. G. V. Caesar, J. V. Bauer, and D. M. Hawley. 2,496,440, Feb. 7.
Paper, Water-vapor resistant coated. A. Szwarc. 2,496,566, Feb. 7.
Pasting device, Wallpaper. J. S. Drienka. 2,496,581, Feb. 7.
Pencil, Mechanical. G. Lynn. 2,496,554, Feb. 7.
Penicillin salts, Production of crystalline. F. W. Bernhart. 2,496,848, Feb. 7.
Perpetual status cycle wheel. J. J. Phillips. 2,496,490, Feb. 7.
Phase shifter. S. W. Seeley. 2,496,920, Feb. 7.
Phasing apparatus. C. N. Gillespie. 2,496,788, Feb. 7.
Phonograph pickup, Magnetostrictive. F. Massa. 2,496,484, Feb. 7.
Photographic developer containing a negatively substituted aralkylamine and process of development. W. L. Wasley. 2,496,903, Feb. 7.
Photographic elements containing hydroxy heavy metal salts of trinuclear iminol cyanine dyes as filter and antihalation dyes. A. W. Anish. 2,496,843, Feb. 7.
Photographic filter and antihalation layers containing a silver salt of an azanol dye. A. W. Anish and L. C. Hensley. 2,496,841, Feb. 7.
Photographic process, Mixed grain. W. T. Hanson, Jr., and F. A. Richey. 2,496,940, Feb. 7.
Photographic sound track scanning apparatus with light flicker compensation. J. A. Rodgers. 2,496,959, Feb. 7.
Pickup provided with a member for protecting the scanning needle. J. de Boer and G. Schenkel. 2,496,861, Feb. 7.
Picture hanger. F. H. Downing. 2,496,990, Feb. 7.
Pie plate lifter. H. J. McConnell. 2,497,005, Feb. 7.
Pilot system, Radio controlled. F. L. Moseley. 2,496,809, Feb. 7.
Pin or clip for the hair, Self-opening. H. R. Bein, Sr. 2,496,656, Feb. 7.
Pipe for rotary swivels, Wash. G. R. Tremolada. 2,496,569, Feb. 7.
Pipe joint. G. A. Peterson. 2,496,813, Feb. 7.
Planter. P. E. Milton. 2,496,885, Feb. 7.
Plug: *See*—
Electric plug.
Polarized fuse pin plug.
Plasterer's tool. C. A. Endicott. 2,496,280, Feb. 7.
Pointer, Pencil. J. E. Riker. 2,496,495, Feb. 7.

Polarized fuse pin plug. P. Sciara. 2,496,413, Feb. 7.
Polyhydric alcohol esters of fatty acids, Producing. A. C. Bell and W. G. Alsop. 2,496,328, Feb. 7.
Polyhydroxyalkyl ethers of carbohydrate gums. O. A. Moe. 2,496,670, Feb. 7.
Polymerization of styrene, Continuous bulk. I. Allen, Jr., W. R. Marshall, and G. E. Wightman. 2,496,653, Feb. 7.
Polymers and copolymers of unsaturated amides. J. B. Dickey. 2,496,275, Feb. 7.
Polymers of 3-vinylpyrene. R. G. Flowers. 2,496,868, Feb. 7.
Polytetrafluoroethylene waxes having a sharp melting point. K. L. Berry. 2,496,978, Feb. 7.
Polyvinyl resin dispersions. R. B. Killingsworth and R. S. Shele. 2,497,045, Feb. 7.
Portable clothes drier. J. E. Bradley, Jr. 2,496,517, Feb. 7.
Portable refrigerated container. F. Lobl. 2,496,296, Feb. 7.
Poultry feeder. P. J. Throckmorton. 2,496,828, Feb. 7.
Press: *See*—
Hydraulic press.
Tilting head press.
Presser and sealer, Combination. M. Van Antwerpen. 2,496,609, Feb. 7.
Pressure control, Fluid. S. K. Lehman and D. M. Lawrence. 2,496,729, Feb. 7.
Primer, Automatic. H. E. Goss. 2,496,465, Feb. 7.
Projectile Life belt. W. B. Kochner and L. T. Ward. 2,496,479, Feb. 7.
Projection apparatus with normal illumination means, Optical. H. M. E. Pasquet. 2,496,675, Feb. 7.
Projector, Portable image. D. O. Woodbury. 2,496,647, Feb. 7.
Projector, Rocket. L. A. Skinner and E. G. Uhl. 2,496,316, Feb. 7.
Proportioning and mixing apparatus, Rotary. W. W. Kemp and W. Hunt. 2,496,586, Feb. 7.
Protecting device against rain, sun, flies, and the like. R. Battle. 2,496,769, Feb. 7.
Protector for dispensing hose valves. D. A. McCoy and J. E. McCoy, Jr. 2,497,006, Feb. 7.
Pulse amplitude discrimination. E. Eberhard. 2,496,909, Feb. 7.
Pulse echo range finding system and impulse generator therefor. R. J. Kemp and D. J. Fewings. 2,497,002, Feb. 7.
Pulse generator. A. R. Simpson. 2,496,819, Feb. 7.
Pump: *See*—
Self-priming pump.
Vacuum pump.
Turbine pump.
Variable delivery pump.
Pump. W. E. Armstrong. 2,496,688, Feb. 7.
Pump for dispensing cans. S. H. Smith. 2,496,821, Feb. 7.
Pump shutoff mechanism. C. P. Griffith. 2,496,467, Feb. 7.
Pumping apparatus for very cold liquids. R. H. Goddard. 2,496,711, Feb. 7.
Purifying method and apparatus, Gas. D. B. Crawford. 2,496,380, Feb. 7.
Radiation alarm and measurement device. E. W. Molloy and W. H. Hinch. 2,496,886, Feb. 7.
Radio and intercommunication system, Combined. W. J. Lambert. 2,496,398, Feb. 7.
Radio beacon system. J. Aicardi. 2,496,867, Feb. 7.
Radio echo systems with means for protecting receiver. W. D. Hershberger. 2,496,998, Feb. 7.
Radio receiver and coin savings bank, Combination. A. V. Curry. 2,496,620, Feb. 7.
Radio receiving system with automatic tuner. M. Wallace. 2,496,832, Feb. 7.
Radio spectrum monitoring apparatus. R. C. Raymond. 2,496,560, Feb. 7.
Railway bridge joint. A. B. Chapman. 2,496,855, Feb. 7.
Ramp, Loading. V. J. Daniels. 2,496,445, Feb. 7.
Reaction of ammoniacal gases to HCN, Pressurized. A. G. Houpt and C. W. Smith. 2,496,909, Feb. 7.
Receiver circuit-arrangement for low-frequency or carrier wave telephony systems. J. Ensink. 2,496,784, Feb. 7.
Receptacle: *See*—
Adjustable measuring receptacle.
Receptacle closure. W. L. Bumber. 2,496,439, Feb. 7.
Reciprocating contact switch. J. F. Frese. 2,496,282, Feb. 7.
Record changer, Phonograph. C. B. Dale. 2,496,658, Feb. 7.
Recorder with strip printing type, Elapsed time. L. H. Williams. 2,496,686, Feb. 7.
Recording apparatus, Magnetic. M. Camras. 2,496,441, Feb. 7.
Recording device having clock operated starting means, Water-level. G. A. Lewis. 2,496,552, Feb. 7.
Recovering chemicals in the manufacture of cellulose by digestion according to the alkaline sulfite and/or alkaline bisulfite methods. E. J. Larsson and J. H. Jonsson. 2,496,550, Feb. 7.
Recovery of zinc, Electrolytic. D. L. Griffith and E. I. Isherwood. 2,496,996, Feb. 7.
Rectifier. C. C. Hein. 2,496,721, Feb. 7.
Rectifier, Selenium. W. E. Blackburn. 2,496,432, Feb. 7.
Rectifier, Selenium. W. E. Blackburn. 2,496,692, Feb. 7.
Reel: *See*—
Antenna reel.
Hose reel.
Reeling system. E. S. Peterson. 2,496,890, Feb. 7.
Refinery valve. R. Eichenberg. 2,496,451, Feb. 7.
Refining of rutile. E. H. Goda. 2,496,993, Feb. 7.
Refrigeration. P. Schlumbohm. 2,496,816, Feb. 7.
Refrigeration unit. J. E. Ahrens. 2,496,652, Feb. 7.
Refrigerator, Bottle cooling and dispensing. G. Muffly. 2,496,304, Feb. 7.
Refrigerator having a door with a cooling unit mounted therein. J. R. Prosek. 2,496,492, Feb. 7.
Refuse can container. C. M. and J. E. Doggett. 2,496,522, Feb. 7.
Regulator: *See*—
Electric regulator.
Temperature compensated regulator.
Oil pressure regulator.
Remote control and indicating system. J. T. McNaney. 2,496,485, Feb. 7.
Resonant system, Tunable. G. W. Wallin. 2,496,321, Feb. 7.
Resonator, Cavity. W. E. Bradley. 2,496,772, Feb. 7.
Resonator device for ultra-short waves, Cavity. F. Coeterier. 2,496,378, Feb. 7.
Retainer, Urn bag. E. H. Sieling. 2,496,757, Feb. 7.
Retractable shock-absorbing landing gear. J. E. McCabe. 2,497,004, Feb. 7.
Rewind control, Differential. R. P. Bechle. 2,496,977, Feb. 7.
Rib for shotgun barrels, Removable ventilated. C. Crank. 2,496,854, Feb. 7.
Rim, Separable. J. Babin. 2,496,256, Feb. 7.
Ring for dial covers and the like, Retaining. E. F. Geiger and R. B. Johnson. 2,496,584, Feb. 7.
Ring for gas turbines, Nozzle. W. K. Bodger. 2,497,041, Feb. 7.
Riveting equipment. M. Brown. 2,496,330, Feb. 7.
Rodent trap. C. T. Fuller. 2,496,708, Feb. 7.
Roof, Center-weighted floating. F. D. Prager and R. C. Ulm. 2,497,047, Feb. 7.
Sack, Vacuum-operated minnow. R. T. Renfro, Sr. 2,497,014, Feb. 7.
Sander. F. Harris. 2,496,718, Feb. 7.
Sash operator, Hotbed. F. Puleo. 2,496,892, Feb. 7.
Saw, Swinging frame portable. J. W. Hanna. 2,496,716, Feb. 7.
Scaffold or trestle header. R. Falcone. 2,496,526, Feb. 7.
Scaffold supporting bracket. A. J. Nelson. 2,496,556, Feb. 7.
Scarf, Automatic neck fitting. D. A. Pinnere. 2,496,953, Feb. 7.
Scoop machine, Coreless. L. H. Morin. 2,497,010, Feb. 7.
Scotch block apparatus. N. G. Kershaw. 2,496,916, Feb. 7.
Screen: *See*—
Window screen.
Scroll, Autograph. G. Shockey. 2,497,019, Feb. 7.
Seal. W. M. Brooks. 2,496,905, Feb. 7.
Seal, Valve stem. C. Melidoni. 2,497,008, Feb. 7.
Sealing assembly, High-pressure fluid. L. Hornbostel. 2,496,471, Feb. 7.
Sealing closure. C. P. Krupp. 2,496,878, Feb. 7.
Sealing containers, Method of and apparatus for. F. W. Krueger. 2,496,877, Feb. 7.
Seam, Corded. C. A. Smith. 2,496,820, Feb. 7.
Securing a semicylindrical liner in a pump bore. W. B. Hook. 2,496,292, Feb. 7.
Seismic exploration system for determination of strata dips. A. Wolf. 2,496,648, Feb. 7.
Self-priming pump. A. J. Granberg. 2,496,870, Feb. 7.
Semiconductive resistance provided with metal contacts. P. W. Haayman and H. Bruining. 2,496,346, Feb. 7.
Sensing system for magnetically recorded signals. R. E. Cheney, J. L. Wagner, and R. E. Lawhead. 2,496,579, Feb. 7.
Separable fastener. M. Winterhalter. 2,496,925–6, Feb. 7.
Separating chemical compounds. C. A. Hampel and W. L. Norem. 2,496,287, Feb. 7.
Separation process for assorting solids, Heavy-media. C. Marsh. 2,496,590, Feb. 7.
Separator: *See*—
Egg separator.
Series of compressors, Starting. D. E. Meltzler. 2,496,805, Feb. 7.
Serving device. A. W. Doux. 2,496,908, Feb. 7.
Servo mechanism. A. C. Hall. 2,496,301, Feb. 7.
Setting mechanism, Seconds. W. O. Bennett, Jr. 2,496,690, Feb. 7.
Shaft, Drill. J. J. Scheppe. 2,496,412, Feb. 7.
Sharpener, Knife. B. L. Chapin, N. L. Davis, and T. H. Cabot, Jr. 2,496,578, Feb. 7.
Sheet, Composite transparent. W. A. Hermanson. 2,496,665, Feb. 7.
Shell, Spherical tank. J. O. Jackson. 2,496,626, Feb. 7.
Shield for ironing machines. Y. T. Kee. 2,496,544, Feb. 7.
Shield for oscilloscopes, television receivers, and the like, Light. J. K. Rose. 2,496,752, Feb. 7.
Shock absorber. J. Mercier. 2,496,952, Feb. 7.
Shock testing apparatus. G. Mackas. 2,496,298, Feb. 7.
Shoe-vamp blank. A. C. Engel. 2,496,783, Feb. 7.
Shoe vamp, Prepared molded. A. C. Engel. 2,496,782, Feb. 7.
Shower, Adjustable. G. W. Daniel. 2,496,520, Feb. 7.

Shredder for both leafy and stalky vegetables, Kitchen. C. R. de Nardis and J. J. Albin. 2,496,780, Feb. 7.
Sign: *See*—
  Display sign.
Signal: *See*—
  Subscriber telephone set double connection signal.
Signal and trouble lamp, Combination warning. W. M. and D. W. F. Cox. 2,496,618, Feb. 7.
Signal for newspaper delivery boxes. W. S. Shaw. 2,496,962, Feb. 7.
Signaling apparatus, Coded. C. E. Staples. 2,496,607, Feb. 7.
Silica, Manufacture of precipitated. W. T. Maloney. 2,496,736, Feb. 7.
Silver solder, Low-melting point. W. Soller and G. Kraus. 2,496,564, Feb. 7.
Skin dressings with fugitive colors. M. A. Coler. 2,496,270, Feb. 7.
Slide binder apparatus. P. E. Patrick. 2,496,406, Feb. 7
Slide carrier. J. J. Host. 2,496,724, Feb. 7.
Slider for slide fasteners. H. Haidegger. 2,496,664, Feb. 7.
Socket assembly tool. T. Maxwell. 2,496,591, Feb. 7.
Socket joint. A. A. Abramoska. 2,496,839, Feb. 7.
Socket with test lamp, Photoflash lamp. M. Schwartz. 2,496,680, Feb. 7.
Solution of acrylonitrile polymers. D. W. Chaney. 2,496,267, Feb. 7.
Sound film scanning apparatus with automatic light variation compensation. M. R. Hutchison, Jr. 2,496,943, Feb. 7.
Spectacle sweat bar. W. Wentworth. 2,496,969, Feb. 7.
Spectrometer, Vibration. R. M. Langer. 2,496,295, Feb. 7.
Speed changing apparatus. H. E. Edwards. 2,496,937, Feb. 7.
Speed governing system for dirigible craft. S. Kellogg, 2nd. 2,496,294, Feb. 7.
Spotlight switch. G. E. Roedding. 2,497,084, Feb. 7.
Spreader, Fluid. S. Goldspiel and J. Meisler. 2,496,712, Feb. 7.
Spreader hopper and mounting attachment. F. K. Tarrant. 2,496,504, Feb. 7.
Spreader, Tire casing. B. Goodman. 2,496,389, Feb. 7.
Spring: *See*—
  Vehicle spring.
Spring shackle of C type construction. H. M. Gray. 2,496,713, Feb. 7.
Stabilizing frequency of oscillator circuit, Crystal-controlled means for. M. S. Mead, Jr. 2,496,300, Feb. 7.
Stacking device. J. R. Brandt. 2,496,438, Feb. 7.
Stairway, Folding. B. D. Brown. 2,496,773, Feb. 7.
Stand: *See*—
  Bicycle stand.
Steam boiler. E. B. Cole. 2,496,985, Feb. 7.
Steel wool holder. W. A. Baker. 2,496,371, Feb. 7.
Steering apparatus for automobiles. J. C. Bartho. 2,496,263, Feb. 7.
Stove, Electric. J. W. Alsdorf. 2,496,654, Feb. 7.
Strainer, Fruit. J. B. Orrell. 2,496,636, Feb. 7.
Strip member for interior wall decoration, Structural. A. E. Fridolph. 2,496,910, Feb. 7.
Stripping assembly, Tail-hide. W. J. Hincks. 2,496,394, Feb. 7.
Styrene-substituted benzalacetophenone copolymers. E. C. Chapin. 2,496,697, Feb. 7.
Subscriber telephone set double connection signal. O. A. Shann. 2,496,642, Feb. 7.
Sulfoselenide reactants, Preparation of cadmium. G. C. Marcot. 2,496,587, Feb. 7.
Support: *See*—
  Arm support.
  Brake cylinder support.
  Garment support.
Support for cameras, Filter and sunshade. L. J. Sherry. 2,497,018, Feb. 7.
Suspension device. G. C. Wilhide. 2,496,612, Feb. 7.
Suspension for vehicles, Spring. H. E. Churchill. 2,496,906, Feb. 7.
Suspension means, Pneumatic. A. F. Smith. 2,496,893, Feb. 7.
Suspension system for vehicles, Axle. F. W. Avila. 2,496,428, Feb. 7.
Suspensions of chlorinated materials and making the same. H. S. Olson. 2,496,745, Feb. 7.
Swatter, Fly. W. W. Sharpe. 2,496,415, Feb. 7.
Sweeper for land mines. W. H. Taylor. 2,496,423, Feb. 7.
Switch: *See*—
  Reciprocating contact switch.
  Temperature responsive switch.
  Spotlight switch.
  Thermostatic switch.
Switch for domestic appliances. G. C. Pearce. 2,496,889, Feb. 7.
Switch for electric alarm clocks, Auxiliary bed controlled. D. E. Belich. 2,496,373, Feb. 7.
Swivel for diamond drills, Water. M. L. Tucker. 2,496,830, Feb. 7.
Synthesis gas, Forming. B. G. Gillespie. 2,496,342, Feb. 7.
Synthesizer, Electrooptical function. H.-G. Doll. 2,497,042, Feb. 7.
Syringes, Surgical and medical. A. Piechaczek. 2,496,559, Feb. 7.
System for ground speed determination. A. C. Omberg. 2,496,674, Feb. 7.
Take-off for vehicles, Power. C. L. Fox. 2,496,787, Feb. 7.
Take-off, Power. L. R. Hussa. 2,496,538, Feb. 7.
Tape cylinder mounting. C. M. Gentry and F. G. Parrott. 2,496,464, Feb. 7.
Telegraph system, Two-way polar. S. A. Barrett. 2,496,372, Feb. 7.
Telemetric system, Bolometer type. S. Bousky. 2,496,575, Feb. 7.
Telephone and paging system, Combined. F. R. Lamberty and F. D. Nitterauer. 2,496,629, Feb. 7.
Telephone system of the passing call type, Private automatic. J. H. Voss. 2,496,902, Feb. 7.
Telescoping structure. G. O. Benson. 2,496,264, Feb. 7.
Temperature compensated regulator. W. G. Neild. 2,496,742, Feb. 7.
Temperature responsive switch. B. H. Clason. 2,497,025, Feb. 7.
Tenderizing machine, Meat. W. F. Spang. 2,497,038, Feb. 7.
Tenter clip. F. C. Jerauld and H. A. MacKnight. 2,496,475, Feb. 7.
Test device. O. E. Zuercher. 2,496,767, Feb. 7.
Tester, Ignition system. F. L. Strauss. 2,496,823, Feb. 7.
Testing apparatus, Vibration. B. J. Lazan. 2,496,632, Feb. 7.
Testing radio receivers to determine the number of turns of the loop antenna. M. Glaser. 2,497,027, Feb. 7.
Thermostatic control mechanism. K. M. Hammell. 2,496,715, Feb. 7.
Thermostatic switch. E. J. Poitras. 2,496,917, Feb. 7.
Thread retainer and saver. A. H. Johnson. 2,496,945, Feb. 7.
Threadless coupling. J. M. Hopwood. 2,496,667, Feb. 7.
3-(lower acyl)amino-3-carbalkoxy-2-piperidones, Production of a. N. F. Albertson and S. Archer. 2,496,326, Feb. 7.
3-sulfanilamido-benzotriazines-1,2,4 and their preparation. F. J. Wolf and K. Pfister, III. 2,496,364, Feb. 7.
3-vinylpyrene and preparing the same. R. G. Flowers. 2,496,867, Feb. 7.
Tilting head press. S. Bolling. 2,496,771, Feb. 7.
Timing control system. C. Boger. 2,496,574, Feb. 7.
Tip structure for gas torches. J. D. Walters and J. T. Muenzmay. 2,496,923, Feb. 7.
Tipping-off operation and product. R. O. Morse and J. W. Nuttall. 2,496,303, Feb. 7.
Tire, Antiskid pneumatic. C. J. Burkley. 2,496,932, Feb. 7.
Titanium carbide article. H. R. Montgomery. 2,496,671, Feb. 7.
Toggle mechanism, Spring. A. G. Stimson. 2,496,896, Feb. 7.
Toilet bowl cleaner. J. W. Pape and G. S. Santmyers. 2,497,057, Feb. 7.
Tone arm mounting. C. B. Dale. 2,496,382, Feb. 7.
Tool: *See*—
  Automobile tool.
  Clockmaker's tool.
  Machine tool.
  Plasterer's tool.
  Socket assembly tool.
Toolholder. H. C. Wilson. 2,496,426, Feb. 7.
Tool post. A. F. Feaster. 2,496,583, Feb. 7.
Toy, Educational. J. C. Shields. 2,496,498, Feb. 7.
Toy frame for stuffed toys. A. Menzin. 2,496,951, Feb. 7.
Toy, Roller. E. L. Schwanengel. 2,496,603, Feb. 7.
Toy, Simulated boxing. I. Hotcaveg. 2,496,725, Feb. 7.
Toy telephone, Phonographic. N. C. Heyman. 2,496,666, Feb. 7.
Toy, Wheeled animal walking. B. D. Wood. 2,496,766, Feb. 7.
Traction device for power-driven vehicles. R. H. Weeks. 2,496,924, Feb. 7.
Tractor mower, Front-mounted. S. E. Hillblom. 2,496,469, Feb. 7.
Trailer, Boat. W. Rivers. 2,496,599, Feb. 7.
Trailer dolly, Retractable. C. W. Bayes. 2,496,515, Feb. 7.
Trailer dump. V. Lundell. 2,496,350, Feb. 7.
Trailer, Self-locking chain hoist. K. O. Huff. 2,496,537, Feb. 7.
Trailer, Self-unloading. M. R. Ortmeier. 2,496,305, Feb. 7.
Transfer. C. Wittgren. 2,496,325, Feb. 7.
Transmission, Mechanical. C. P. Williams. 2,496,572, Feb. 7.
Trap: *See*—
  Mouse and rat trap.
  Rodent trap.
Tray, Ice cube. M. K. Buchanan. 2,496,331, Feb. 7.
Trialkyl silane derivative of ricinoleic acid ester. K. A. Earhart. 2,496,840, Feb. 7.
Tripod with ball-and-socket joint. A. C. Coutant and J. Mathot. 2,496,986, Feb. 7.
Truck, Hay distributing. A. J. Kayser. 2,496,876, Feb. 7.
Truck, Industrial. N. Lesser. 2,496,399, Feb. 7.
Truck structure, Railway. J. C. Travilla, Jr. 2,496,829, Feb. 7.
Truck with lateral motion bolster, Railway. J. C. Travilla, Jr. 2,496,644, Feb. 7.
Tube bundle assembly for heat exchangers and the like. C. Meixl. 2,496,301, Feb. 7.

Tube coupling. J. N. Wolfram. 2,496,510, Feb. 10.
Tubular electric lamp. C. P. Boucher and R. W. Keiser. 2,496,374, Feb. 7.
Tuning control apparatus. H. F. Elliott. 2,496,455, Feb. 7.
Tuning device, Radio. L. M. Temple. 2,496,424, Feb. 7.
Tuning system. G. W. Wallin. 2,496,322, Feb. 7.
Turbine construction. C. R. Soderberg. 2,497,049, Feb. 7.
Turbine plant, Internal-combustion. H. Pfenninger. 2,496,407, Feb. 7.
Turbine pump. J. M. Roth and E. J. Bodensieck. 2,496,496, Feb. 7.
Tuyère structure. H. O. Johnson. 2,497,000, Feb. 7.
2-methyl-4-isopropylidene-5(4)-oxazolone, Preparation of. J. C. Sheehan, R. Mozingo, K. Folkers, and M. Tishler. 2,496,417, Feb. 7.
2-methyl-4-keto-1,3-benzothioxane. H. K. Nason and D. T. Mowry. 2,496,741, Feb. 7.
2-picoline sulphur condensation products, Preparation of. H. I. Thayer. 2,496,319, Feb. 7.
Two-stroke cycle internal-combustion engine. J. E. Fragale. 2,496,623, Feb. 7.
Typing and printing mechanism for accounting machines and the like. C. K. Rainey. 2,496,357, Feb. 7.
Ultra high frequency apparatus. J. R. Woodyard. 2,496,837, Feb. 7.
Umbrella. L. Staunton, R. L. Atkinson, and E. J. Hopkins. 2,496,501, Feb. 7.
Undergarment, Combination. S. Hoenig. 2,496,348, Feb. 7.
Underwaist and brassière, Combination. E. Golde. 2,496,529, Feb. 7.
Unit for buildings, Air-heating. F. L. Thompson. 2,496,505, Feb. 7.
Vacuum pump. E. Rawson. 2,496,676, Feb. 7.
Vacuum tank drain valve. F. G. Hodsdon. 2,496,470, Feb. 7.
Valve: *See*—
  Air control valve.
  Automatic shutoff valve.
  Check valve.
  Fluid control valve.
  Refinery valve.
  Vacuum tank drain valve.
Valve. A. Bertea. 2,496,849, Feb. 7.
Valve. R. Eichenberg and F. Gober. 2,496,452, Feb. 7.
Valve construction and control. A. L. Ocheltree. 2,496,635, Feb. 7.
Valve construction, Gas. L. A. Ward. 2,496,834, Feb. 7.
Valve device, Fluid pressure control. A. J. Bent. 2,496,904, Feb. 7.
Valve mechanism. D. Adams. 2,496,512, Feb. 7.
Valve mechanism. E. E. Littlefield. 2,496,553, Feb. 7.
Valve operating mechanism, Hydraulic. C. Morey. 2,496,740, Feb. 7.
Variable delivery pump. J. F. Hoffer. 2,496,915, Feb. 7.
Vehicle change-speed and steering gear. D. B. Baker, W. O. Bechman, and W. W. Henning. 2,496,429, Feb. 7.
Vehicle signal lamp. C. H. M. Schamblin. 2,496,601, Feb. 7.
Vehicle spring. W. L. Henry. 2,496,534, Feb. 7.
Vehicle wheel. E. S. MacPherson. 2,497,031, Feb. 7.
Ventilation system. B. E. Del Mar. 2,496,862, Feb. 7.
Ventilator, Adjustable window. V. A. Vicksell. 2,496,921, Feb. 7.
Veratraldehyde from vanillin, Production of. D. McMillan. 2,496,803, Feb. 7.
Vibrator, Pneumatic dual rotary. J. S. High. 2,496,291, Feb. 7.
View finder for portrait photography, Self. J. M. Paillais, alias Foufounis. 2,496,404, Feb. 7.
Vinyl halide resins plasticized with a dioctyl tetrachlorophthalate. G. J. Bohrer. 2,496,852, Feb. 7.
Visor, Automobile sun. J. Thibault. 2,497,050, Feb. 7.
Waffle iron. E. A. Farr and J. P. Theisen. 2,496,705, Feb. 7.
Wagon, Self-unloading. R. C. Gaddis. 2,496,463, Feb. 7.
Wallpaper removing device. D. A. Hoch. 2,496,794, Feb. 7.
Warp beam. W. Attenborough. 2,496,844, Feb. 7.
Weighing machine. P. B. Richardson. 2,497,015, Feb. 7.
Weighing machine, Macaroni. V. S. La Rosa, J. Shields, and R. E. Bernier. 2,496,548, Feb. 7.
Welding apparatus and control therefor actuated by an electric current pulse timer. F. H. de Jong. 2,496,779, Feb. 7.
Welding rod and feed process, Inert gas blanketed. H. T. Herbst. 2,496,347, Feb. 7.
Wheel: *See*—
  Abrasive wheel.
  Filing wheel.
  Perpetual status cycle wheel.
  Vehicle wheel.
Wheel and wheel mounting. A. L. Ayers. 2,496,615, Feb. 7.
Wind direction indicator. C. A. de Giers and A. Edelman. 2,496,339, Feb. 7.
Winding machine, particularly for electric heating elements, Wire. A. J. E. and E. M. Behm. 2,496,847, Feb. 7.
Window lock. R. C. Chapman. 2,496,698, Feb. 7.
Window screen. W. G. Wayworth. 2,497,022, Feb. 7.
Wiper for limited contact disk brakes. B. E. Clark. 2,496,699, Feb. 7.
Wool treatment. H. F. Leupold and M. J. Kelley. 2,496,631, Feb. 7.
Wrench: *See*—
  Jar lid wrench.
  Lever actuated pivoted jaw wrench.
  Nut starting wrench.
Wrench having threaded jaw shank adjusted by sleeve-enclosed interrupted-thread nut having projections yieldably interlocking with sleeve. M. F. Lanckton. 2,496,799, Feb. 7.
Yarns impregnated with lubricating compositions, Textile. J. R. Caldwell. 2,496,776, Feb. 7.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 7, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Patents expiring: Patent Numbers 1,897,028 to 1,897,991, inclusive, issued February 14, 1933, expire February 14, 1950

Condition of Applications Under Examination at Close of Business Jan. 20, 1950

Total number of patent applications awaiting action, 189,917. Date of oldest new application, March 16, 1948; date of oldest amended application, January 14, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application awaiting Office action	Oldest amended application awaiting Office action	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	3-2-49	5-22-48	2614
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	11-24-48	2-6-48	2055
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	8-19-49	8-16-49	713
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	10-29-48	1-14-48	2236
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	4-13-49	6-11-48	1554
6. SURLE, H., Carbon Chemistry (part)	4-22-49	2-11-49	1548
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	5-10-49	5-11-49	1289
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	6-7-48	8-1-48	2672
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-9-48	4-21-48	2295
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-2-49	1-28-49	1326
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	12-27-48	6-25-48	2082
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-7-49	3-18-48	1737
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	6-9-48	7-8-48	1792
14. MANIAN, JOSEPH C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery	4-19-49	1-8-49	1158
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-13-49	11-22-48	1649
16. LOVEWELL, N. N., Television; Telephony	5-10-49	1-13-49	1166
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	8-30-48	2-27-48	2264
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	12-27-48	5-11-48	2234
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-26-49	5-2-48	1468
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	1-19-49	5-1-48	1941
21. MADER, R. O., Textiles	10-27-48	10-14-48	1458
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	8-2-48	6-22-48	1284
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-27-49	10-6-48	886
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	2-10-49	2-17-49	2639
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-8-49	10-1-48	1673
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	4-26-49	4-5-49	999
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-20-48	2-13-48	3115
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-25-49	9-9-48	1822
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-17-48	4-22-48	3092
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	5-20-49	5-20-49	1787
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-12-49	5-10-49	2062
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-31-49	12-2-48	1741
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	7-30-48	4-28-48	4017
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	1-6-49	9-10-48	1188
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	1-15-49	2-13-48	2220
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	8-23-48	2-25-48	1951
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-20-49	8-13-48	1121
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	4-5-49	1-26-49	1551
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	3-20-49	1-15-48	3030
40. DRUMMOND, E. J., Receptacles (part); Packages	4-9-49	8-5-48	3289
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-5-49	4-1-48	2091
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	9-18-48	9-3-48	2202
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers.	4-2-49	3-5-49	1002
44. HARVEY, L. P., Beds; Chairs, Seats	7-16-48	2-24-48	2117
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-6-49	7-28-48	2306
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-26-48	6-18-48	1540

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 139,917. Date of oldest new application, March 16, 1948; date of oldest amended application, January 14, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-29-49	10-25-48	2046
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	4-23-49	7-9-48	1381
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	11-8-48	6-7-48	2135
50. LEVIN, SAMUEL, Synthetic Resins	6-1-49	4-1-49	1840
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-26-49	1-4-49	1359
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-10-48	4-22-48	3762
53. BRINDISI, M.V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-7-49	9-8-48	1761
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-7-49	12-8-48	1168
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	4-15-49	1-22-49	1498
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	4-21-49	1-21-49	1978
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	4-1-49	7-1-48	1946
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-29-49	5-29-48	1733
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	2-2-49	8-16-48	1305
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	6-11-49	9-2-49	1043
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-16-48	2-19-48	2560
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	4-2-49	6-19-48	2541
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	2-2-49	2-2-49	2080
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-27-49	6-21-49	1622
65. MORSE, EXCELLENZA, L., (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	4-22-49	8-5-48	2053
66. LISANN, L., Geometrical Instruments	1-19-49	3-2-48	1672
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-30-49	11-4-48	1642
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	6-8-49	3-17-49	1290
69. CALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics. Sound Recording; Recorders.	4-22-49	4-8-48	2053
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-21-49	11-24-48	2090
DESIGNS: BREHM, G. L.	6-1-48	6-20-49	5067

Total number of trade-mark applications awaiting action (including renewals and republications), 27,271. Date of oldest new application, Jan. 3, 1949; date of oldest amended application, Dec. 1, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	1-3-49	1-7-49	4491
2. KASCHUB, H. E., Class 46	1-31-49	2-4-49	3949
3. SUMMERS, O. S., Classes 21, 23, 26.	1-19-49	7-9-49	3291
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	1-3-49	12-1-48	4371
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	1-7-49	1-7-49	3395
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	2-9-49	5-2-49	4145
7. KEYS, O. M., Classes 2, 16, 19, 36, 55	1-18-49	1-5-49	2927
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-14-49 / 11-29-49	12-1-49 / 12-1-49	361 / 341

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,779,848. (See Re. 19,887.)

1,873,954, H. Cooper, Folded shirt and folding same for display purposes, filed Jan. 5, 1950, D. C., S. D. N. Y., Doc. 55/28, *H. Cooper* v. *Marlboro Shirt Co., Inc.*

2,060,472. (See Re. 19,887.)

2,069,893. (See Re. 21,053.)

2,073,103. (See Re. 19,887.)

2,074,243, H. Taff, Cover for garment hangers, D. C., N. D. Ill. (Chicago), Doc. 45c1513, *The Fleischer Mills, Inc.* v. *Kwik-Kover Mfg. Co.* Patent held not infringed Feb. 14, 1947; complaint dismissed Oct. 28, 1949.

2,080,171, Fairbanks & Carlisle, Cooking utensil, filed Jan. 4, 1950, D. C., S. D. Calif. (Los Angeles), Doc. 10842–BH, *Jerry Fairbanks, Inc.* v. *May Dept. Stores Co. et al.*

2,115,119, T. S. Park, Grip for sport clubs, D. C., S. D. Calif. (Los Angeles), Doc. 10096–Y, *Los Angeles Processing Co.* v. *Sport Products, Inc., et al.* Stipulation and order dismissing action (notice Jan. 9, 1950).

2,119,428, L. G. Englar, Protective electrical receptacle plate, D. C., S. D. Calif. (Los Angeles), Doc. 10471–PH, *Marvin Products, Inc.* v. *L. G. Englar et al.* Dismissed without prejudice (notice Jan. 12, 1950).

2,172,657, H. R. Haase, Venetian blind; 2,222,226, same, Tilt gear unit for blinds, filed Dec. 27, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1959, *H. R. Haase* v. *J. & L. Tool & Machine Co. et al.*

2,174,994, H. H. Nelson, Venetian blind tilting structure, filed Dec. 28, 1949, D. C., N. D. Ill. (Chicago), Doc. 49c1967, *Lorentzen Hardware Mfg. Corp.* v. *J. & J. Tool & Machine Co.*

2,190,517. (See Re. 19,887.)

2,222,217, C. A. Solinski, Escapement mechanism; 2,452,030, E. H. Hughes, Step-up mechanism, filed Jan. 3, 1950, D. C., N. D. Ill. (Chicago), Doc. 50c1, *Exhibit Supply Co.* v. *Star Metal Mfg. Co.*

2,222,226. (See 2,172,657.)

2,224,403, H. A. Lines, Electrical heating of storage and transportation system of a viscous fluid, filed Jan. 3, 1950, D. C., N. D. Ohio (Cleveland), Doc. 27090, *Fluid Systems, Inc.* v. *Great Lakes Equipment Co.*

2,229,412. (See Re. 19,887.)

2,238,306, B. D. Braswell, Curb feeler for automobiles, D. C. Ohio (Toledo), Doc. 5762, *B. D. Braswell* v. *Joseph Shaw Co.* Order on mandate of court of appeals reversing decree of June 28, 1948, complaint dismissed Jan. 9, 1950.

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, D. C., N. D. Iowa (Dubuque), Doc. 484, *Greenbrier Co.* v. *Wilson & Co., Inc.* Patent held valid (not anticipated, and discloses patentable invention); injunction Dec. 30, 1949. Same, filed Jan. 9, 1950, D. C., N. D. Iowa (Sioux City), Doc. 588, *Greenbrier Co.* v. *Priebe & Sons, Inc.*

2,305,261, M. N. Kinley, Method of removing pipe from wells, D. C., S. D. Calif. (Los Angeles), Doc. 10452–B, *The Ford Alexander Corp.* v. *F. I. Alexander.* Stipulation and order dismissing action (notice Jan. 9, 1950).

2,329,362. (See Re. 19,887.)

2,377,261, L. F. Norris, Milk dispenser, filed Jan. 9, 1950, D. C. Minn. (Minneapolis), Doc. 3206, *Stevens-Lee Co.* v. *Norris Dispensers, Inc.*

2,414,811, T. Hollis, Jr., Cemented carbide cutting tool, filed Jan. 4, 1950, D. C., E. D. Mich. (Detroit), Doc. 8811, *Super Tool Co.* v. *Kennametal, Inc.*

2,450,631, E. Buchler, Garment, filed Jan. 11, 1950, D. C., S. D. N. Y., Doc. 55/91, *Arkay Infants Wear, Inc.* v. *Sydney Infants Wear, Inc., et al.* Doc. 55/92, *Arkay Infants Wear, Inc.* v. *Perfect Knit Togs, Inc., et al.*

2,452,030. (See 2,222,217.)

2,458,365, G. W. Fyler, Television receiver; 2,459,638, same, High-voltage power supply; 2,458,366, same, Sawtooth voltage generator; 2,458,367, Fyler & Heisig, Sawtooth voltage generator; 2,458,368, V. A. Kamin et al., Television receiver cabinet and cathode-ray tube mounting, D. C., N. D. Ill. (Chicago), Doc. 49c20, *Motorola, Inc.* v. *Admiral Corp.* Complaint and counterclaim dismissed without prejudice Jan. 3, 1950.

2,458,366. (See 2,458,365.) 2,458,367. (See 2,458,365.)

2,458,368. (See 2,458,365.) 2,459,638. (See 2,458,365.)

2,471,394, R. Gubner, Salicylate and succinate therapeutic preparations, filed Dec. 12, 1949, D. C., S. D. N. Y., Doc. 54/327, *Rhodes Pharmacal Co., Inc.* v. *Dolcin Corp.*

2,474,804, H. D. Schwarzbaum, Anti-tipping device for baby carriages, filed Jan. 6, 1950, D. C., S. D. N. Y., Doc. 55/50, *Bilt-Rite Baby Carriage Co., Inc.* v. *Atlas Baby Carriage Co.* Doc. 55/51, *Bilt-Rite Baby Carriage Co., Inc.* v. *Leader Baby Carriage Co., Inc.* Doc. 55/52, *Bilt-Rite Baby Carriage Co., Inc.* v. *Wearever Baby Carriage Co., Inc.*

2,479,416, C. G. Schnurer, Backless garment, suit for declaratory judgment filed Jan. 10, 1950, D. C., S. D. N. Y., Doc. 55/68, *Parade Dress Co., Inc.* v. *C. G. Schnurer.* Same, filed Jan. 11, 1950, D. C., S. D. N. Y., Doc. 55/94, *Carolyn Schnurer, Inc.* v. *Parade Dress Co., Inc., et al.*

2,489,530, Grier & Casalbore, Method of making 8-hydroxyquinoline, filed Dec. 27, 1949, D. C., S. D. N. Y., Doc. 54/339, *Darsyn Laboratories, Inc.* v. *Gamma Chemical Corp. et al.*

Re. 19,887, O. S. Jennings, Panel circuit breaker; 2,190,517, 2,229,412, same, Circuit breaker; Re. 21,429, C. M. Peterson, Circuit control device; 1,779,848, R. Logstadt, Circuit breaker; 2,060,472, J. Sandin, same; 2,073,103, C. H. Hodgkins, same; 2,329,362, R. H. Swingle, same, C. C. A., 4th Cir., Doc. 5925, *Westinghouse Electric Corp.* v. *Bulldog Electric Products Co.* Judgment of lower court reversed Jan. 4, 1950.

Re. 21,053 (of 2,069,893), A. T. Matthews, Awning, D. C., S. D. Miss. (Biloxi), Doc. 917, *The National Ventilated Awning Co. et al.* v. *Koolvent Metal Awning Co. of Miss. et al.* Consent decree holding claims 3, 4, 5, 9, and 10 valid and infringed; injunction Dec. 17, 1949. Same, appeal filed Jan. 12, 1950, C. C. A., 4th Cir., Doc. 6042, *The National Ventilated Awning Co.* v. *Koolvent Metal Awning Co. of Charlotte, N. C.* Doc. 6043, *The National Ventilated Awning Co. et al.* v. *Koolvent Metal Awning Co. of Winston-Salem, Inc.*

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Re. 21,429. (See Re. 19,887.)

Des. 149,029, C. Sims, Toilet kit, filed Jan. 12, 1950, D. C., N. D. Tex. (Dallas), Doc. 3868, *C. Sims* v. *Plastics Mfg. Co. et al.*

Des. 149,979, U. Solstone, Plant container, D. C. S. D. Calif. (Los Angeles), Doc. 8609–PH, *U. Solstone* v. *B. W. Photo Utilities et al.* Consent judgment holding infringement by B. W. Photo Utilities, injunction to issue; dismissed as to other defendants; counterclaim dismissed with prejudice (notice Jan. 12, 1950).

Des. 151,732, Des. 151,733, W. G. Bley, Lady's stocking, filed Jan. 5, 1950, D. C., E. D. Pa., Doc. 10458, *Sanson Hosiery Mills, Inc., et al.* v. *John Irving Stores of Philadelphia.*

Des. 151,733. (See Des. 151,732.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 30,115. (See T. M. 418,118.)

T. M. 60,075. (See T. M. 418,118.)

T. M. 200,669. (See T. M. 418,118.)

T. M. 292,104. (See T. M. 418,118.)

T. M. 418,118, H. L. Schafer, Furniture polish; T. M. Ser. 492,040, Gold Seal Co., Glass cleaner and polish; T. M. 30,115, The N. K. Fairbank Co., Detergent and washing powders; T. M. 60,075, same, Washing powders; T. M. 200,669, T. M. 292,104, Gold Dust Corp., same, filed Dec. 14, 1949, D. C. Maine (Portland), Doc. 660, *Gold Seal Co.* v. *Lever Bros. Co.*

T. M. 492,040. (See T. M. 418,118.)

NOTICES

Disclaimers

Re. 20,969.—*John Reichel*, Wynnewood, Pa. LYOPHILIC BIOLOGICALLY ACTIVE SUBSTANCES AND PROCESS OF PRODUCING THE SAME. Patent dated Jan. 3, 1939. Disclaimer filed Jan. 10, 1950, by the assignee, *Bendex Patents, Inc.; Lyophile-Cryochem Corporation joining and consenting.*

Hereby enters this disclaimer to claims 5 and 6 of said patent.

2,451,619.—*Robert J. Hengstebeck*, Chicago, and *Robert E. McDaniel*, Alton, Ill. CATALYTIC CONVERSION PROCESS. Patent dated Oct. 19, 1948. Disclaimer filed Dec. 23, 1949, by the assignee, *Standard Oil Company.*

Hereby enters this disclaimer to claims 1, 2, and 5 in said patent.

2,468,686.—*Nathan E. Sax*, Chicago, Ill. BUFFING WHEEL. Patent dated Apr. 26, 1949. Disclaimer filed Jan. 13, 1950, by the assignee, *American Buff Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, and 7 of said patent.

Adjudicated Patents

(C. A. Mich.) Calvert Patent No. 1,908,218, for an abrasive stone holder. Claim 1 *Held* not infringed. *Micrometic Hone Corp.* v. *Mid-West Abrasive Co.*, 177 F.2d 934; 83 USPQ 409.

(D. C. Ill.) Breitenstein et al. Patent No. 2,155,929, for a score registering device. Claims 1, 3, 4, and 5 *Held* invalid and not infringed. *Madison Patent Corp.* v. *Harry Williams Mfg. Co.*, 87 F. Supp. 87; 83 USPQ 173.

(D. C. Ill.) Lewis Patent No. 2,208,374, for a television receiving system. Claims 1, 2, and 4 *Held* valid and infringed. *Hazeltine Research* v. *Admiral Corp.*, 87 F. Supp. 72; 83 USPQ 340.

(C. A. Ohio) Braswell Patent No. 2,238,306, for a curb feeler for automobiles, *Held* invalid. *Joseph Shaw Co.* v. Braswell, 177 F.2d 959; 84 USPQ 40.

(D. C. Ill.) Breitenstein Patent No. 2,281,262, for a step-up mechanism. Claims 1–7 *Held* invalid. *Madison Patent Corp.* v. *Harry Williams Mfg. Co.*, 87 F. Supp. 87; 83 USPQ 173.

(D. C. Ill.) Benjamin Patent No. 2,434,383, for a flexible watch band, *Held* invalid. *Benjamin* v. *Duester*, 87 F. Supp. 36; 81 USPQ 526.

Classification Order No. 61

December 28, 1949

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *Class 43, Fishing, Trapping, and Vermin Destroying* (Division 2)

Fishing
- 5 Fish grapples and gaff hooks
- 27 Hooks and tackle
- 28 Attaching devices
- 29 Disgorgers and gags
- 30 Releasing devices
- 31 Holders
- 32 Fly and hook
- 33 Rod attachment
- 41 Incloser baits
- Artificial bait
- 42.01 Motor operated
- 42.07 Luminous
- 49 Floats
- 50 Net
- 51 Line holding
- 52 Sinkers
- 53 Net
- 54 Attached hooks
- 55 Catch or bait holders

In *Class 71, Chemistry, Fertilizers* (Division 29)

Processes and products
- 2 Plant catalyst or stimulant

In *Class 167, Medicines, Poisons, and Cosmetics* (Division 43)

Poisons
- 45 Herbicides

In *Class 172, Electricity, Motive Power* (Division 26)

Motors
Alternating
- 274 Regulators

In *Class 223, Apparel Apparatus* (Division 24)

Hat making
- 9 Felting

In *Class 260, Chemistry, Carbon Compounds* (Division 6)
- 237 Hexamethylene tetramines and addition compounds thereof
- 238 Production of hexamethylenetetramine

Heterocyclic carbon compounds
Azines
Triazines
- 249.5 Extracyclic nuclear amino (e. g., melamine)

ESTABLISH SUBCLASSES

In *Class 43, Fishing, Trapping, and Vermin Destroying* (Division 2)

(R. A. WAHL, *Classifier*)

Fishing
- 4.5 Methods of fishing
- 5 Fish landing devices combined with tackle, e. g., gaffs, grapples
- 6.5 Gathering or catching device with conveyor to boat
- 17.1 Electric current or sonic wave energy
- 17.2 Releasing devices
- 17.3 Motor operated
- 17.4 Artificial bait
- 17.5 Illuminated, e. g., luminous
- 17.6 Artificial bait

Rods
- 19.2 With rod-connected line rotating or non-reeling motion means
- 21.2 Holders, supports, steadying devices

Attachments
- 25.2 Hook and tackle holders
- 27.2 Trolley apparatus
- 27.4 Rodless and/or fixed support line handling means, e. g., trawls
- 41 Incloser or protected baits
- 41.2 Casting guards
- 42.7 Snagging and shellfish rigs, e. g., jiggers
- 42.72 With line shock absorber or resilient extension feature
- 42.74 Spreaders or separators for plural lines and/or hooks
- 43.1 Line attached bodies, hooks and rigs
- 43.11 Line storing
- 43.12 Releasable from line, e. g., casting weights
- 43.13 Line guiding or twist controlling, e. g., trolling vanes, otters
- 43.14 With adjustable weight or buoyancy
- 43.15 Plural diverse type bodies
- 43.16 Hooks
- 44.81 Weighted
- 44.82 With plural piercing points
- 44.83 With leaders and/or line connection feature
- 44.84 Branch or lateral line type
- 44.85 Adjustable along line
- 44.86 With chuck or collet ring keeper
- 44.87 Selectively free sliding or fixed on line
- 44.88 Line strain or motion actuated, e. g., strike or pole tip released
- 44.89 Bendable or deformable material for line connection, e. g., split shot
- 44.9 With line passing through center of body
- 44.91 With line gripping means
- 44.92 With relatively movable parts and/or resilient construction for attachment to line
- 44.93 Movable wedge or collet ring type
- 44.94 Spiral or pigtail line holder wrapped around stem
- 44.95 Resiliently biased or elastic line clamping means
- 44.96 Sinkers with ground engaging means, e. g., trolley or surf anchors
- 44.97 Sinkers with guards or retrieving features
- 44.98 Lines and/or leaders
- 44.99 Bait distributors, e. g., chumming devices
- 53.5 Disgorgers and gags
- 54.5 Holders
- 55 Catch and natural bait
- 57.5 Fly and hook

In *Class 56, Harvesters* (Division 5)

(J. B. TAPHORN and P. ARNOLD, *Classifiers*)

Cutting
Rotating cutting reel type
- 249.5 Interchangeable cutting assembly
- 478.5 Carriers

In *Class 71, Chemistry, Fertilizers* (Division 29)

(H. G. MOORE and J. S. BAILEY, *Classifiers*)

Processes and products
- 2.1 Processes of regulating plant growth with chemicals
- 2.2 Compositions for regulating plant growth
- 2.3 Organic compound containing
- 2.4 With inorganic compound (except water)

Processes and products—Continued
Compositions for regulating plant growth—Continued
Organic compound containing—Continued
- 2.5 Heterocyclic
- 2.6 Carbocyclic acids or salts, esters or amides thereof
- 2.7 Acyclic

In *Class 260, Chemistry, Carbon Compounds* (Division 6)

(I. MARCUS, *Classifier*)

Heterocyclic carbon compounds
- 239.3 Lactams
- Cyclopentanohydrophenanthrene nucleus containing
- 239.55 Hetero-O-containing
- 239.57 Lactones
- Para-N-benzenesulfoxy-X (X=C or N)
- 239.65 Addition compounds
- 239.7 Azines
- 239.75 Pyrimidines
- 239.8 Six membered rings containing one hetero-N-atom
- 239.9 Azoles
- 239.95 Thiazoles

Azines
Oxazines
Morpholines
- 247.1 Sulfur-containing
- 247.2 Non-oxo-carbonylic
- 247.5 Amino
- 247.7 Oxo or oxy

Triazines
- 248.5 Hexamethylenetetramines and addition compounds thereof
- 248.6 Production of hexamethylenetetramine
- 249.5 Extracyclic nuclear amino
- 249.6 Triamino triazines
- 249.7 Production of melamine
- 249.8 Diamino triazines
- 249.9 Guanamines

Diazines
Pyrimidines
- 251.5 Pterins
- 256.4 Amino
- 256.5 S-containing
- 256.6 Thiamines

Six membered rings containing one hetero-N-atom
- Quinolines or isoquinolines
- 285.5 Ergot alkaloids

In *Class 296, Land Vehicles, Bodies and Tops* (Division 47)

Bodies
Doors and windows
- 49.2 Window sill and/or door edge covers, e. g., window sill arm rests

MISCELLANEOUS CHANGES

On page 1–1, first column, the subclass following 29 should be numbered *30*.

On page 43–1, subclass 34+ and subclass 42+ should be moved one step to the left to be coordinate with each other and indented under subclass 4, Fishing.

On page 43–1, subclass 43.2+ and on page 43–2, subclass 44.2+, should be moved one step of indentation to the right to be indented under

Fishing
Line attached bodies, hooks and rigs
- 43.16 Hooks

established in this order.

On page 43–2, subclass 56+ should be moved one step of indentation to the right to be indented under subclass.

Fishing
- 54.5 Holders

established in this order.

On page 56–5, subclasses 474–480 should be moved one step of indentation to the right to be indented under subclass 473.5, Carriers, established in this order.

On page 84–5, first column, move each of subclasses 432 to 452, inclusive, one step to the left. This will make subclasses 432, 433, 438, 439 and 441 coordinate with subclass 430 and will make subclasses 442, 443, 445, 450, 451 and 452 coordinate with subclass 423; e. g.,

Instruments
General features
- 423 Keyboards
- 430 Keybottoms
- 432 Key frames adjustable
- 442 Key selectors

On page 140–2, subclass 123.6 should be moved one step of indentation to the right to be indented under subclass 123.5.

On page 260–2, column 2, in the subclass 92.1, correct the spelling of "fluorine".

On page 346–1, first column, subclass 27, insert a comma between the words "receivers" and "selective".

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
43	5	43	5
		294	26
43	27	43	43.16, 17.2, 19.2, 44.82
43	28	43	44.83+
43	29	43	55.5
43	30	43	17.2
43	31	43	54.5
43	32	43	57.5
43	33	43	25.2
43	41	43	41, 41.2
43	42.01	43	17.4
43	42.07	43	17.6
43	49	43	44.92+
43	50	43	42.1
43	51	43	43.11
43	52	43	44.9+, 44.96, 44.97
43	53	43	44.89
43	54	43	44.81
43	55	43	55
71	2	71	2.1 to 2.7
167	45	71	2.1 to 2.7
172	274	172	120+
		318	Various
223	9	28	5+
260	237	260	245.5
260	238	260	245.6
260	249.5	260	249.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Established Subclass	Source Class	Source Subclass
43	4.5	43	4
43	5	43	5
43	6.5	43	4
43	17.1	43	4
43	17.2	43	30
43	17.3	43	4, 27
43	17.4	43	42.01
43	17.5	43	4, 27, 49
43	17.6	43	42.07
43	19.2	43	27
43	21.2	43	4
43	25.2	43	33
43	27.2	43	27
43	27.4	43	4
43	41	43	41
43	41.2	43	27, 41
43	42.7	43	4, 27, 54
43	42.72	43	27, 28
43	42.74	43	27, 28, 52
43	43.1	43	49, 50, 52
43	43.11	43	49, 51
43	43.12	43	27, 28, 49, 52
43	43.13	43	28, 49, 52
43	43.14	43	52
43	43.15	43	27, 28, 49
43	43.16	43	27
43	44.81	43	27, 54
43	44.82	43	27
43	44.83	43	27, 28
43	44.84	43	28
43	44.85	43	25
43	44.86	43	25
43	44.87	43	49
43	44.88	43	49, 52
43	44.89	43	52, 53
43	44.9	43	49, 52
43	44.91	43	49
43	44.92	43	28, 49, 52
43	44.93	43	49, 53
43	44.94	43	49
43	44.95	43	49, 52
43	44.96	43	52
43	44.97	43	52
43	44.98	43	27, 28
43	44.99	43	14
43	53.5	43	29
43	54.5	43	31
43	55	43	55
43	57.5	43	32
56	249.5	56	249+
56	473.5	214	65
		56	122
71	2.1–2.7	47	58
		71	2
		167	45
260	239.3	260	239
260	239.55	260	239.5
260	239.57	260	239.5
260	239.65	260	239.6
260	239.7	260	239.6
260	239.75	260	239.6
60	239.5	260	239.6

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES—Continued

Established Class	Established Subclass	Source Class	Source Subclass
260	239.9	260	239.6
260	239.95	260	239.6
260	247.1	260	247
260	247.2	260	247
260	247.5	260	247
260	247.7	260	247
260	248.5	260	237
260	248.6	260	238
260	249.5	260	249.5
260	249.6	260	249.5
260	249.7	260	249.5
260	249.8	260	249.5
260	249.9	260	249.5
260	251.5	260	251
260	256.4	260	251
260	256.5	260	251
260	256.6	260	251
260	285.5	260	236
296	49.2	296	44

IN THE DEFINITIONS:

2, Apparel

the definition and notes of unnumbered subclass "Garment supporters and retainers", on page 2–23, should precede subclass 300.

7, Compound Tools

in subclass 14.25, add:

Search Class—
30—CUTLERY, subclass 124, for can openers combined with means in addition to the opener to hold the severed can top, e. g., a magnet.

9, Boats and Buoys

in subclass 8, under "Search class", in the reference to Class 43, change "49 and indented subclasses" to *43.1+*.

15, Brushing, Scrubbing, and General Cleaning

in subclass 411, add:

Search Class—
280—LAND VEHICLES, subclass 48, for hand propelled vehicles provided with positive steering means.

24, Buckles, Buttons, Clasps, Etc.

in subclass 5, add:

Search Class—
47—PLANT HUSBANDRY, subclass 41, for other cut flower or plant holders having moisture retaining means. See also the notes to that subclass for search fields for other types of cut flower or plant holders.

28, Textiles

in subclass 5, cancel the "(2)" before "Search Class", and insert:

(2) Note.—The line between this subclass, and Class 223, APPAREL APPARATUS, subclass 12+ is that this subclass takes felting machines for making hat blanks and hats where no specific mechanism is present for forming hat structure, e. g., a brim. The mere felting of a parabolic, conical or cylindrical blank will not exclude the patent from this class (28).

Search this class, subclass—
72.2—for felting processes.
79—for felted products.

and under "Search Class", add:

26—TEXTILES, CLOTH FINISHING, subclass 19, and see (1) Note thereabove.
223—APPAREL APPARATUS, subclass 12+, for combined hat forming and felting and see (2) Note above.

in subclass 72.3, insert:

(1) Note.—The line between this subclass, and Class 223, APPAREL APPARATUS, subclass 12+ is that this subclass takes felting processes for making hat blanks and hats where no specific steps are present for forming hat structure, e. g., a brim. The mere felting of a parabolic, conical or cylindrical blank will not exclude the patent from this class (28).

and under "Search this class, subclass", insert:

5—for felting apparatus.

under "Search Class", add:

223—APPAREL APPARATUS, subclass 12+, for combined hat forming and felting, and see (1) Note above.

41, Ornamentation

in subclass 12, cancel "Search Classes" and the references thereunder, and substitute:

Search Class—
47—PLANT HUSBANDRY, subclass 41, for cut flower or plant holders which are capable of holding moisture. See also the search notes to that subclass for search fields for other types of cut flower or plant holders.

43, Fishing, Trapping and Vermin Destroying

in subclass 4, cancel the definition and search notes, and substitute:

4. Apparatus and methods under the class definition for hooking or gathering fish.
(1) Note.—The term "fish" as used herein includes all animals not classifiable as insects which breathe in water or pass their lives in water.
(2) Note.—The trapping of fish is not included herein but will be found lower in the schedule, particularly in subclass 100+; see the definition of subclass 58 for the distinction between "trapping" and the subject matter of this and the indented subclasses.

Search this class, subclass—
64+—and especially 65+, for non-return entrance type traps.
85+—for fish snares, and see (2) Note.
88+—and especially 89, for suspended jaw type traps.
100+—for fish traps, and see (2) Note.

establish the following subclass definition:

4.5. Methods under subclass 4 for hooking or gathering fish.

Search this class, subclass—
42.53—for methods of making artificial baits.
58+—for methods of trapping fish.

in subclass 5, cancel the definition and search notes, and substitute:

5. Devices under subclass 4 having means cooperating with line fishing tackle and functioning to assist in "landing" or hauling in fish caught on the line.
(1) Note.—These devices commonly are gaffs and grapples designed to run on or be guided by the fishing line to engage the fish.

Search this class, subclass—
17.2—for line and/or hook or lure releasing devices guided by or sliding along the fishing line.
85+—for fish snares and loops.

Search Class—
56—HARVESTERS, subclass 333+, for pole supported pivoted jaw fruit gatherers.
294—HANDLING, HAND AND HOIST LINE IMPLEMENTS, subclass 26, for fish grapples, when not modified for cooperation with line fishing tackle.

in subclass 6, under "Search this class, subclass", in the reference to subclass 5, cancel the period and add: combined with the tackle.

and under "Search Class", in the reference to class 294, after "Implements", insert:
subclass 61, for spears for general use in material handling;

establish the following subclass definitions:

6.5. Apparatus under subclass 4 having means to catch or gather fish and convey the catch to a boat.
(1) Note.—Lines with hooks, net devices or hydraulic currents are included as catching or gathering devices; in the latter example, the current may also act to convey the fish.

Search Class—
37—EXCAVATING, subclass 55, for shellfish dredgers including means operating to remove or detach the shellfish from the marine bed.

17.1. Apparatus under subclass 4 applying electric currents or sonic wave energy to the fish or to the water to capture fish or to lure or to drive the fish to a point where other catching or gathering means can be brought into use.

Search this class, subclass—
17.5—for electric illuminating devices functioning to illuminate the fishing apparatus or to lure fish by the light.
98—for similar means for killing or disabling fish.

Search Class—
119—ANIMAL HUSBANDRY, subclass 3, for fish barriers applying wave energy to fish.

17.2. Devices under subclass 4 adapted to be mounted on or to slide along a fishing line and functioning to engage the line or a line-attached body such as a hook, lure, or sinker for the purpose of freeing the line and/or body when held fast by a submarine obstruction.
(1) Note.—The device may operate to cut or break the line itself.

Search this class, subclass—
5—for fish gaffs and grapples adapted to run on or be guided by the fishing line to engage a fish caught on the line.

Search Class—
102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 21.2, for devices for cutting a well torpedo, lowering cable or otherwise releasing the torpedo.
114—SHIPS, subclass 21, for devices for cutting a ship's cable when the anchor is caught or for other reason.
255—EARTH BORING, subclass 34, for devices for severing a rope in a bore-hole.

17.3. Apparatus under subclass 4 with relatively movable parts which are actuated by a motor.
(1) Note.—The term "motor", as used here, includes electric, spring, fluid, or other motors, and mechanisms for deriving energy from the relative motion of the surrounding media and transmitting it through shafts or relatively movable parts to move the apparatus or part of it.

Search this class, subclass—
3—for motor-operated duck decoys.
6.5—for motorised devices for catching or gathering fish and conveying them to a boat.
7+—for motorised netting apparatus.

Search Class—
46—AMUSEMENT DEVICES, TOYS, subclass 92, for aquatic figure toys.

17.4. Devices under subclass 17.3 in the form of an artificial bait or lure.

Search this class, subclass—
42.11+, 42.19+, 42.46, and 42.51—for lures shaped or provided with fins or vanes directly secured thereto to cause rotation of the whole lure or a part thereof as it is drawn through the water.

17.5. Apparatus under subclass 4 having means to illuminate the apparatus or to give off light rays.
(1) Note.—The illumination may be associated with the apparatus to lure fish to the vicinity of the catching or gathering device and need not directly illuminate such device.

Search this class, subclass—
113 and 130—for insect traps having illuminating features.

Search Class—
40—CARD, PICTURE, AND SIGN EXHIBITING, subclass 130+, especially subclass 134, for illuminated and luminous signs.
240—ILLUMINATION, for illuminating devices claiming no significant features of fishing apparatus or tackle.

17.6. Devices under subclass 17.5 in the form of an artificial bait or lure wherein the light source is in or on the lure.

Search this class, subclass—
42.32+—for lures modified to reflect external light, especially subclasses 42.33, for transparent lures with reflecting means, and 42.34, for metal lure bodies with faceted exterior to produce a multiple reflecting surface.

Search Class—
40—CARD, PICTURE AND SIGN EXHIBITING, subclass 130+, especially subclass 134, for illuminated and luminous signs.
250—RADIANT ENERGY, subclass 71, for phosphorescent material, applications and devices.

in subclass 18, cancel the definition and search notes, and substitute:

18. Apparatus under subclass 4 usually in the form of a rod or pole (1) of such length or shape as to facilitate or promote handling a fishing line for casting or for playing a fish, or (2) having the line attached or supported in such a manner as to take advantage of the elasticity or "spring" of the rod.
(1) Note.—This and the indented subclasses include fishing rods per se and also attachments therefor not elsewhere classified.
(2) Note.—Joints for fishing rods are classified in the appropriate joint class unless more of the rod is included than is structurally necessary to define the joint.

Search this class, subclass—
18+—for automatic hooking devices frequently including a rod.
17—for signal devices frequently including a rod.
87.4—for fixed support line handling means other than rods.

Search Class—
135—TENTS, CANOPIES, UMBRELLAS, AND CANES, subclass 45+, for canes.
231—WHIPS AND WHIP APPARATUS, subclasses 2 and 3 for whips.

242—WINDING AND REELING, subclass 84.1+, for fishing reels per se, and subclass 96, for reels provided with mere handles or hand grips or the like for promoting or facilitating the reeling function even though the reel is used solely for fishing.
285—PIPE JOINTS OR COUPLINGS, see (2) Note for the line.
287—ROD JOINTS OR COUPLINGS, see (2) Note for the line.

establish the following subclass definitions:

19.2. Fishing rods under subclass 18, having means other than or in addition to mere line reeling means coacting with the rod to rotate, reciprocate, or move the line in such a manner as to impart motion to a bait or lure attached to the line.

Search this class, subclass—
19—for line trajecting or casting means.
21—for motor operated reels.
42.11+ and 42.46—for lures or artificial baits rotating as a unit and possibly rotating or twisting the line.
43.12—for line-attached bodies reacting with the surrounding fluid media to control or prevent rotation of the fishing line.

21.2. Fishing rods under subclass 18 having means for supporting, steadying, or holding the rod other than, or in addition to, the usual handle portion on the rod.

Search this class, subclass—
15+ and 17—for fishing rod holders including features for automatic hooking of fish and for signalling a strike or bite, respectively.
22—for fishing rod handles or butts.

Search Class—
248—SUPPORTS, particularly subclass 36+, for staff type supports which may be used for supporting fishing rods but have no structural adaptation to the rod other than that required to support any mere rod or pole.

25.2. Devices under subclass 25 functioning to (1) support the line, hook, lure, and/or any line-attached body for purposes of facilitating transportation of the rod, or (2) to provide convenient stowage for hooks, lures, bait, and other articles used in or on fishing tackle.

Search this class, subclass—
55—for catch or bait holders not adapted for attachment to a fishing rod.
57.5—for holders for flies and hooks when not adapted for attachment to a fishing rod.

abolish the definition and search notes of subclass 27.

establish the following subclass definitions:

27.2. Apparatus under subclass 4 having a standing line extending from the angler to a remote anchor or securing point and including means to run a catching or gathering device along the standing line.

Search this class, subclass—
17.9—for line or lure releasing devices including a line guided device which runs along the line.

Search Class—
37—EXCAVATING, subclass 117, for trolley type cable-operated dredging or excavating apparatus.

27.4. Apparatus under subclass 4 having line attached catching or gathering means and means accessible to the fisherman to secure, handle, or haul the line.

Search this class, subclass—
18+—for fishing rods, and especially 21.2, for steadying or supporting means for rods.

Search Class—
242—WINDING AND REELING, particularly subclass 85, for the subcombination of line reeling and storing devices with supporting means but having no claimed fish catching or gathering means.

abolish the definitions and search notes of subclasses 28 thru 33.

in subclass 34, cancel the definition and search notes and substitute:

34. Devices under subclass 4 having at least one hook or hook-like device mounted on a base or supporting part in a non-hooking or housed position for movement relative thereto to hooking position and including means for causing the relative motion.

(1) Note.—The motion causing means may comprise hooks biased to operative position and having catch or other releasable means holding the hook in inoperative position.
(2) Note.—Hook apparatus including means and arrangements guarding against the catching or snagging of plant growth, rocks, etc., usually called "guarded" or "weedless" devices, are classified below except when the apparatus includes means for moving a hook as defined above.

Search this class, subclass—
15—for apparatus for automatically hooking fish, which apparatus does not depend on the structure of a hook to function.
42.1—for artificial bait lures made of flexible material for housing or protecting the hook and being compressible or collapsible to allow fish to be hooked upon taking the bait.
42.4+—for artificial bait lures having guarded or weedless hook arrangements, and see (2) Note above.
43.2+—for guarded and weedless hook arrangements and see (2) Note.
81—for impaling or smiting traps with swinging striker.
89—for trap-hooks of the closing-jaw type.

in subclass 41, cancel the definition and search notes and substitute:

41. Bait-holders under subclass 4 designed to protect live or food type bait so as to conserve the bait for prolonged use as in repeated casting or successive strikes.
(1) Note.—These holders may be in the form of a harness, case, netting or the like for live bait such as frogs and minnows, or may be holders for edible bait which allow the fish to smell or taste the bait without eating it.

Search this class, subclass—
44.99—for bait distributors or chumming devices.

establish the following subclass definition:

41.2. Bait holders under subclass 41 which protect the bait during the cast but permit it to become free and unguarded after the bait is in the water.

in subclass 42, in the definition, change "27" to 4.

and under "Search this class, subclass", add in numerical order:

17.4—for lures with movable parts which are actuated by a motor.
17.6—for lures which give off a light by illuminating means within or adjacent to the body.

abolish the definitions and search notes of subclasses 42.01 and 42.07.

establish the following subclass definitions:

42.7. Apparatus under subclass 4 having a plurality of hooks or tines arranged on a rigid support or mounting means in such a way as not to be taken into the mouth of the fish, but to snag or pierce the body of the fish or shellfish.

(1) Note.—Shellfish, sponges, etc., may be taken by these rigs. In the case of shellfish, the tines may enter the open shell to be gripped thereby.
(2) Note.—There may be bait or lures associated with the device, but it is not "set" in the usual manner in the mouth of a fish.

Search this class, subclass—
43.16+—for hooks, and particularly subclass 44.82, for those having plural piercing points adapted to be taken into or "set" in the mouth of a fish.

42.72. Line fishing apparatus under subclass 4 having a resilient element or organization usually in the hook or line to absorb shocks and ease the stresses on the tackle.

Search this class, subclass—
18+—for fishing rods having resilient features.

42.74. Line fishing apparatus under subclass 4 utilizing a plurality of hooks or hook-carrying lines and having means functioning to keep the hooks or lines spaced apart from each other to prevent or minimize fouling of the rig.

Search this class, subclass—
27.4—for a "set" or "trawl" line carrying a plurality of hooks or hooked lines.

43.1. Fishing apparatus under subclass 4 including (1) devices attachable to and usable on fishing lines to perfect or promote control of the line or capture of the fish, and (2) line rigs or outfits utilizing such devices.

(1) Note.—The term "attach" as used herein is intended to be generic to "affix" but the latter term is used with the connotation of securing or non-movably attaching.
(2) Note.—Hooks, sinkers, floats, guiding vanes, stops and similar means which are employed on the line during the fishing operation are included in the term "devices".

Search this class, subclass—
15+—for fishing floats and other line attached bodies which include automatic hooking features.
17—for floats having signaling features.
42+—for artificial lures.

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., appropriate subclasses, particularly subclass 115+, for fasteners per se used for line end or leader end connections.
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 95, for fishing swivels having simple loops or hooks for line connections; other swivels which include a specific fastener are found in class 24, in the appropriate fastener subclasses.
73—MEASURING AND TESTING, subclass 305+, for float type gauges functioning solely to measure liquid level or depth.

43.11. Line attached bodies under subclass 43.1 having a reel or other line storing means.

(1) Note.—The line may be the main fishing line or may be a separate line.

Search this class, subclass—
15+—for automatic hooking devices which may include a line-storing float.

43.12. Line attached bodies under subclass 43.1 so constructed or so connected to the line as to release the entire body or a portion thereof from attachment with the line without any direct manual handling of the body.

(1) Note.—The release may be caused by contact with the water, as by frangible or water soluble means or by a pull or strain on the line.

Search this class, subclass—
42.04+—for artificial baits, shiftable or releasable on strike.
44.88—for bodies releasable from fixed to sliding connection with the line in response to line motion or strain.

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 201+, for separable fastening devices per se.

43.13. Line attached bodies under subclass 43.1 having vanes, or otherwise shaped or arranged, to react with the water upon relative motion thereto to guide or control the line as to depth, direction, or twist about the axis of the line.

(1) Note.—This subclass includes line rigs having pendulous weights so arranged as to control axial twist of the line or rig; these are usually associated with a swivel in the line.
(2) Note.—Swivel devices per se are excluded and will be found in the appropriate fastening or coupling class.

Search this class, subclass—
42.11+, 42.19+, 42.45+—for artificial baits shaped for spinning or irregular motion.

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., see (2) Note.
59—CHAIN, STAPLE, AND HORSESHOE MAKING, see (2) Note.
287—ROD JOINTS OR COUPLINGS, see (2) Note.

43.14. Bodies under subclass 43.1 having means for adjusting or varying the weight and/or buoyancy of the body.

(1) Note.—Frangible sinkers are included where the tearing or breaking is for the purpose of adjusting the weight to be attached to the line.

Search this class, subclass—
42.23—for artificial baits having means for adjusting weight, buoyancy or position of the lure body.

Search Class—
102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 10+, and particularly subclass 14, for means for adjusting the buoyancy of a submarine mine.

43.15. Apparatus under subclass 43.1 including a plurality of bodies separately attached to a line or strand, the bodies being of diverse types.

(1) Note.—The bodies may be formed in the line, as knots, and may include arrangements such as a sliding body on the line and a knot in the line acting as a stop.

Search this class, subclass—
43+—for similar combinations where one of the elements is an artificial lure.
44.81—for weighted hooks where the sinker is formed with the hook and the assembly has a single point of attachment to the line.
44.82—for hooks with plural piercing points which may include a plurality of individual hooks assembled into a unitary device or body.

43.16. Line fishing apparatus under subclass 43.1 having devices usually in the form of a hook with a pointed bill arranged to be connected to the line or to a lure and adapted to be engaged in the mouth of a fish to permit the capture of the fish.

(1) Note.—So-called "crab hooks" which usually have means for retaining a bait and which depend on the tenacity of the grip of the crab rather than being engaged in its mouth are excluded from this and the indented subclasses and will be found in subclass 43.1 above.

Search this class, subclass—
5—for gaff hooks guided by the fishing line to "gaff" a fish caught on a line attached hook.
6—for harpoons and spears.
34+—for trap hooks and see the definition and notes to that subclass for the line.
42.7—for snagging or jigging hook devices.
43.1+—see (1) Note.

Search Class—
294—HANDLING, HAND AND HOIST-LINE IMPLEMENTS, subclass 26, for fish gaff hooks.

in subclass 43.2, in the subclass definition, change "27" to 43.16.

and under "Search this class, subclass", in the reference to subclass 33, change "33" to 35.2.

in subclass 44.2, in the subclass definition, change "27" to 43.16.

establish the following subclass definitions:

44.81. Fishing hooks under subclass 43.16 having a weight or sinker attached thereto.

(1) Note.—The weight may be used to fasten together the associated parts of a hook.

Search this class, subclass—
43.13—for hooks with weights in the form of vanes or otherwise shaped or arranged to guide the hook or control twist thereof in trolling.

44.82. Hooks under subclass 43.16 having more than one point for piercing the mouth of the fish.

(1) Note.—The hook may have only one shank or may comprise a plurality of individually complete hooks intimately associated.

Search this class, subclass—
42.7—for snagging or jigging devices not intended to be taken into the mouth of the fish.

44.83. Hooks under subclass 43.16 including means for rigging or attaching to a line or leader.

(1) Note.—Mere swivels or fastening devices adapted to be serially connected in a fishing line are classified in the appropriate outside class where there provided for, with the exception of the special types set out in the indented subclasses.

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., particularly subclass 73+, for double-ended or multiple type fasteners, and subclasses 230.5 and 231+, for hook type snap (i. e., locking) hook type fasteners, respectively, and see (1) Note for the line.
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 95, for mere swivels having eyes or open hooks for line attachment and see (1) Note for the line.
287—ROD JOINTS OR COUPLINGS, subclass 91, for swivels where a rod or strand end forms a part of the swivel joint.

44.84. Connections under subclass 44.83 for connecting hooks laterally into the fishing line.

Search Class—
24—BUTTONS, BUCKLES, CLASPS, ETC., subclass 115+, for other cord and rope holders, some of which might be useful for connecting hooks laterally into a fishing line.

44.85. Connections under subclass 44.84 wherein the point of attachment to the line is adjustable along the line.

(1) Note.—The connection is considered to be adjustable even though it requires that the connection be undone in order that it may be moved, provided however that the undoing requires no cutting of lines or untying of knots in the line. Usually the line is merely looped or laced or led through a tortuous path.

44.86. Hook connections under subclass 44.83 in which the hook shank or some part of its connecting devices is gripped by a chuck or is otherwise secured by a sleeve or ring element which moves to grip or enclose some part of the fastening to prevent displacement or separation of the elements.

Search Class—
24—BUTTONS, BUCKLES, CLASPS, ETC., subclasses 126 and 136, for cord and rope connectors or holders in which the rope is gripped by a sliding collar on a tapering member, and subclass 231+, particularly subclass 238, for snap hook fastening devices having a sliding hook locking member.

44.87. Line attached bodies under subclass 43.1 so constructed and arranged that (1) by change in position or addition, deletion, or substitution of parts, or (2) by change in the rigging thereof on the line, the body may be selectively affixed to the line or free to slide thereon.

Search this class, subclass—
42.04+—for artificial baits shifting relative to the line on the strike of a fish.
43.13—for line attached bodies wherein the whole or any part thereof may be released from attachment to the line.

44.88. Line attached bodies under subclass 44.87 wherein a strain imposed on the line or motion imparted to the line functions to actuate an affixing connection between the line and the body.

(1) Note.—The connection may be actuated by contact of the body with the tip of a fishing rod as the line is reeled in.
(2) Note.—The affixing connection may be actuated to grip or to release the line.

Search Class—
73—MEASURING AND TESTING, subclass 315, for float type gauges functioning solely to measure liquid level or depth and provided with means to lock the float against motion.

44.89. Bodies under subclass 43.1, usually sinkers, wherein the line attachment is effected by bending or deforming the body or some part thereof, the material of which is not resiliently elastic and tends to remain in the bent or deformed position.

44.9. Bodies under subclass 43.1 having an opening through the center thereof, usually axially of an elongated body, for the passage of the line therethrough.

(1) Note.—The opening may be in the form of a hole or bore, or may be in the form of a slot or kerf if the slot provides a line passage at the center or axis of the body.

44.91. Bodies under subclass 44.9 having means effective to grip the line to affix the body thereto.

(1) Note.—These bodies usually are floats or "fishing bobs".

44.92. Bodies under subclass 43.1 having two or more parts relatively movable one to another, or having resilient material which is temporarily deformed to effect the attachment to the line.

Search this class, subclass—
44.9+—for bodies with relatively movable parts or resilient construction wherein the line passes through the center of the body.

44.93. Bodies under subclass 44.92 wherein one of the movable parts is a wedge or ring type element and is arranged to effect the attachment of the body to the line.

Search this class, subclass—
44.91—for bodies wherein the line passes through the center of the body and a movable or resilient part engages the line to affix the body to the line.

44.94. Bodies under subclass 44.92 having a stem extending therefrom and means in the form of a coil, spiral, or pigtail usually of resilient wire surrounding the stem whereby the line may be manipulated to lie between the stem and the coil means to effect the attachment of the body to the line.

44.95. Bodies under subclass 44.92 having resilient portions or devices for gripping or clamping the line.

Search this class, subclass—
44.91—for bodies wherein the line passes through the center of the body and a movable or resilient part engages the line to affix the body to the line.
44.94—for bodies wherein the resilient means is in the form of a coil or the like, wrapped around a stem on the body.

44.96. Line attached bodies under subclass 43.1 constructed and arranged to sink in the water and to rest on the bottom and having means to engage in the material on the bottom; for example, flukes or spikes.

Search Class—
114—SHIPS, subclass 206+, for anchors disclosed for uses other than or in addition to fishing.

44.97. Line attached bodies under subclass 43.1 constructed and arranged to sink to the bottom of a body of water and having means (1) to prevent or minimise fouling or catching on rough bottoms or on marine growth or other obstacles, or (2) to permit the effective line attaching point to shift or otherwise cause the sinker to tend to free itself from obstacles upon mere pulling of the line by the fisherman.

Search this class, subclass—
43.12—for sinkers and the like which are detached from the line when caught on an obstacle.

44.98. Apparatus under subclass 4 including determinate lengths of line and the like constructed and arranged to promote or facilitate the handling of the line and/or fishing rig, as in casting or the catching of fish as by "invisible" leaders.

Search Class—
28—TEXTILES, particularly subclass 78+, for strand structures and filaments of general use and of indeterminate length.

44.99. Apparatus under subclass 4 having provisions for containing a supply of food or other material to attract fish and being arranged to discharge or diffuse the material into the water after being submerged therein.

(1) Note.—The line between this subclass and related arts, such as dispensers, diffusers, and material containing and handling, is sole disclosed use; where the disclosure indicates uses other than for chumming, the apparatus will be classified in the appropriate outside class and cross-referenced to this class.

Search this class, subclass—
42.06—for artificial bait lures which give off, in their passage through the water, an attracting material originally contained within or on the body of the lure.

Search Class—
23—CHEMISTRY, subclass 267+, for extracting and leaching apparatus, and see (1) Note.
206—SPECIAL RECEPTACLES AND PACKAGES, subclass .5, for infusion containing receptacles, and see (1) Note.
210—LIQUID SEPARATION OR PURIFICATION, subclass 23+, particularly 24, for apparatus for discharging or diffusing water purification agents, and see (1) Note.
222—DISPENSING, appropriate subclasses, for dispensers of general use, and particularly 193+, for fluid flow discharge type, and see (1) Note.
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclass 24, and see (1) Note.

53.5. Devices under subclass 4 for loosening a hook from a fish's mouth. The disgorgers classified here are implements designed for the single purpose specified and not of general surgical application; nor are they parts of combination-tools. Gags are implements for holding open a fish's jaws while the hook is being removed. Only gags specially designed for fish are found here.

Search Class—
128—SURGERY, subclasses 12, 17, and 20, for surgical devices related to fish gags.

54.5. Containers under subclass 4 especially designed for use in fishing, including holders for the catch, for bait, tackle, etc.

Search this class, subclass—
25.2—for hook and tackle holding attachments for rods.
26—for rod cases which may also contain tackle.

Search Class—
206—SPECIAL RECEPTACLES AND PACKAGES, appropriate subclasses.
224—PACKAGE AND ARTICLE CARRIERS, appropriate subclasses.

in subclass 55, cancel the definition and search notes, and substitute:

55. Holders under subclass 54.5 for (1) live bait holders and natural-bait holders designed to keep such bait in a fresh condition and (2) holders designed to keep alive the fish caught by the angler.

Search Class—
119—ANIMAL HUSBANDRY, subclasses 3 and 5, for containers designed to serve as permanent homes for fish, such as aquariums, and live fish transporting devices.

in subclass 56, in the definition, change "4" to *54.5*. and cancel "Search this class, subclass" and the reference to subclass 55.

establish the following subclass definition:

57.5. Containers or cases under subclass 54.5 designed especially to hold fishing flies or hooks, or both.

Search Class—
150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclasses indented under Portemonnaies and pocket-books.
206—SPECIAL RECEPTACLES AND PACKAGES, appropriate subclasses.
223—APPAREL APPARATUS, subclasses 106–110, for holders for sewing equipment.

47, Plant Husbandry

in the class definition, under "Search Classes", add in numerical order:

71—CHEMISTRY, FERTILIZERS, subclass 2.1 for processes of treating plants or the earth with specific chemical which affects the growth characteristics of the plant, and subclass 2.2+ for plant growth regulating compositions and processes of mere use of such compositions. See the reference to class 47 under "Search Class" to the definition of subclass 2.1 of class 71 for the line between that subclass and this class (47).
97—PLOWS, subclass 10, for apparatus and methods for digging and elevating the soil, treating it while elevated, and redepositing it in position for tillage purposes.
111—PLANTING, subclass 6+, for processes and implements for inserting in the ground seed, fertilizer, poison, plants, or other material or objects handled in a similar manner.

in subclass 3, add:

Search Class—
71—CHEMISTRY, FERTILIZERS, subclass 2.1 for processes which employ a specific chemical to affect the color of fruit, etc., and subclass 2.2+, for plant growth regulating compositions.

in subclass 41, add:

(1) Note.—The line between this class and class 206, SPECIAL RECEPTACLES AND PACKAGES, is: The combination of a receptacle and a plant or a receptacle modified for a purpose running to the preservation of the life of the plant is classified in this subclass. Where the receptacle is utilized merely for a shipping purpose and is of the class 206 type, it is classified therein. The same line is followed with classes 150, CLOTH, LEATHER, AND RUBBER RECEPTACLES; 220, METALLIC RECEPTACLES; and 229, PAPER RECEPTACLES.

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 5+, for flower holders where the flowers are to be attached to clothing.
27—UNDERTAKING, subclass 30, for structures which may have flowers secured thereon and designed to be used in covering the open grave.
41—ORNAMENTATION, subclass 12, for frames or structures upon which flowers or foliage, natural or artificial, may be secured in order to produce a design.
150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, see (1) Note.
206—SPECIAL RECEPTACLES AND PACKAGES, see (1) Note.
220—METALLIC RECEPTACLES, see (1) Note.
229—PAPER RECEPTACLES, see (1) Note.
248—SUPPORTS, subclass 27.8, for floral supports peculiarly adapted for use in supporting wreaths, sprays, etc.

in subclass 58, cancel the definition (but not the note and search notes), and substitute:

Miscellaneous processes under the class definition.

and add, after (1) Note:

Search this class, subclass—
1.1, 1.2, 1.3, 2, 2.4, 5, 6, 7, 8, 9, 10 and 14, for processes relating to the subject matter thereof.

and under "Search Class", add:

71—CHEMISTRY, FERTILIZERS, subclass 2.1 for processes of treating plants or the earth with specific chemical which affects the growth characteristics of the plant, and subclass 2.2+ for plant growth regulating compositions and processes of mere use of such compositions. See the reference to class 47 under "Search Class" to the definition of subclass 2.1 of class 71 for the line between that subclass and this class (47).

56, Harvesters

establish the following subclass definitions:

249.5. Cutting machines under subclass 249 which have means permitting the ready interchange of reel or reel and cutter bar units.

(1) Note.—The ready interchange is limited to those in which the frame and/or wheels of the machine need not be disassembled.
(2) Note.—Reels or reels and cutter bar units of different type or design which may be used interchangeably are included here.

473.5. Devices under the class definition comprising a storage type receiver mounted on a harvesting machine or partially supported at the side of such machine by a mobile support in proper position for receiving harvested crop from the harvester as it travels over the ground.

(1) Note.—This subclass is directed primarily to a specific subcombination of a harvesting machine and should include the harvester by name only. Patents claiming structural features of the harvester are classified on the basis of such structural features.

Search this class, subclass—
202+—for catchers attached to a cutter bar.
344+—for catchers combined with continuously gathering means.

Search Class—
214—MATERIAL OR ARTICLE HANDLING, subclass 42, for combinations of a drawing and drawn vehicle wherein means are provided on the drawing vehicle for loading the drawn vehicle; and subclass 65+, for miscellaneous self-loading or unloading vehicles.
280—LAND VEHICLES, subclass 33+, for articulated vehicles in which a drawn vehicle may track at the side or rear of a drawing vehicle. Trailing vehicles in the vehicle subclasses are, for the most part, adaptable for use with any drawing vehicle and are not designed for use with a specific type machine.

in subclass 474, in the definition, change "Means" to *Carriers*.

57, Textiles, Spinning, Twisting, and Twining

in subclass 153, cancel "(4) Note".

59, Chain, Staple, and Horseshoe Making

in subclass 95, under "Search Class", in the reference to class 43, cancel "subclasses 27 and 42", and substitute:

subclass 43.1+ and see the reference to this class (59) in the definition of subclass 43.1.

68, Textiles, Fluid Treating Apparatus

the definitions of this class have been republished and appear in Classification Bulletin No. 226.

70, Locks

the definitions of this class have been rewritten and appear in Classification Bulletin No. 214.

71, Chemistry, Fertilizers

the definitions of this class have been republished and appear in Classification Bulletin No. 215.

in the class definition, insert after "or stimulating action", *or growth inhibiting or any regulating action*

add the following paragraph after the second paragraph:

This class also includes (in subclass 2.1) processes of treating plants with specific chemicals for the purpose of affecting the growth characteristics of the plants.

cancel (4) Note and substitute:

(4) Note.—This class includes, in subclass 2.1, processes of applying a specific fertiliser or plant growth regulating composition to plants or the soil. Those processes which do not involve the application of a specific composition are classified in the appropriate class of which class 47 is the generic class; see the definition and notes of that class for the line with the other classes. Processes which include some manipulation of the soil are classified in classes 47, 97, or 111 in accordance with the line between those classes. Plant pots or molds made of fertiliser material and mulching sheets which are made of or compose a fertilizer ingredient are in class 47. Compositions of seeds and fertilizer are in class 71.

abolish the definition of subclass 2.

establish the following subclass definitions:

2.1. Processes of treating growing or live plants or the soil with chemicals for the purpose of affecting or influencing the growth characteristics of the plant.

(1) Note.—Plant treating processes classified in this subclass include, for example, those for the purpose of accelerating or retarding the rate of growth of the plants, accelerating or retarding the development of the blossom or fruit, to kill the plant or affect the color of the fruit, etc.
(2) Note.—This subclass includes such processes which are more than the mere application of a specific composition to the plant or the soil. Processes of treating plants or the soil which are the mere application of a specific plant growth regulating composition or a fertilizer are classified in the appropriate subclass of this class providing for the specific composition. The mere statement of the time of treatment is considered mere application of the chemical and is classified below; e. g., treatment with a specific composition "at the imminence of abscission" to prevent abscission is classified with the chemical composition.

Search Class—
47—PLANT HUSBANDRY, particularly subclass 58 for processes of treating the soil and its products involving (1) some mechanical manipulation of the soil or plant over and above the application of a specific composition, or (2) which do not involve the application of a specific composition; and see the definitions and notes of that class for fields of search in other classes.
117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 3, for processes of coating of seeds, plants, etc., when the coating composition has no effect upon the growth character of the plant.
167—MEDICINES, POISONS, AND COSMETICS, appropriate subclasses for processes of application of insecticides, fungicides, fumigants, disinfectants, etc., to plants or to the soil.

2.2. Compositions for regulating the growth of plants.
(1) Note.—This subclass includes compositions for stimulating growth, inhibiting growth or killing the plant (herbicides). Compositions which have only a fertilising value are not in this subclass but will be found in other subclasses of this class. Compositions having both a stimulating action and fertilising value will be found in this or indented subclasses.
(2) Note.—This and indented subclasses include processes of use of a specific growth regulating composition which include no details of the application of the composition.
Search this class, subclass—
2.1—for processes of applying a plant growth regulating composition which is more than the mere application of the composition. See particularly (2) Note thereof, for the line.
Search Class—
167—MEDICINES, POISONS, AND COSMETICS, appropriate subclass for insecticides, fumigants, fungicides, etc., even though they may be disclosed as being applied to a plant or to the soil. Herbicides are in this class (71), in this or indented subclass. Compositions which function both as an insecticide, fungicide, etc., as well as a plant growth regulant are classified in class 167.

2.3. Compositions under subclass 2.2 which include an organic material.

2.4. Compositions under subclass 2.3 which also include an inorganic material other than water.

2.5. Compositions under subclass 2.3 which include a heterocyclic organic compound; e. g., indole-carbocyclic acids, fluorescine.

2.6. Compositions under subclass 2.3 which include a carbocyclic acid or a salt, ester or amide thereof; e. g., phenyl acetic acid, aromatic sulfonic acids.

2.7. Compositions under subclass 2.3 which include an acyclic organic compound; e. g., ethylene bromide, propylene glycol.

73, Measuring and Testing

the definitions of this class have been republished and appear in Classification Bulletin No. 216.

in subclass 305, under "Search Class", insert in numerical order:
43—FISHING, TRAPPING, AND VERMIN DESTROYING, subclass 43.1+, for floats used on fishing lines functioning to control and support the line.

in subclass 315, add:
Search Class—
43—FISHING, TRAPPING, AND VERMIN DESTROYING, subclass 44.87+, for floats used on fishing lines functioning to control and support the line and having means to permit selective free sliding or affixing of the float on the line.

74, Machine Elements and Mechanisms

in subclass 144, add the following note:
(1) Note.—The line between these subclasses and class 192, CLUTCHES AND POWER-STOP CONTROL, subclass 41, with respect to one way clutches and clutch operators is as follows:
Class 192 will take the clutch per se, with or without the clutch operator. The inclusion of additional elements; e. g., a holding pawl for the part driven by the clutch, will cause classification in this class (74).

under "Search Class", in the reference to class 192, change the period to a comma, and add: *and see (1) Note supra.*

75, Metallurgy

the definitions of this class have been republished and appear in Classification Bulletin No. 217.

78, Metal Forging and Welding

the definitions in this class have been republished and appear in Classification Bulletin No. 218.

79, Button Making

the definitions in this class have been republished and appear in Classification Bulletin No. 219.

81, Tools

the definitions in this class have been republished and appear in Classification Bulletin No. 220.

82, Turning

the definitions in this class have been republished and appear in Classification Bulletin No. 221.

84, Music

the definitions in this class have been republished and appear in Classification Bulletin No. 222.

85, Driven, Headed, and Screw Threaded Fastenings

the definitions in this class have been republished and appear in Classification Bulletin No. 223.

86, Ammunition and Explosive Charge Making

the definitions in this class have been republished and appear in Classification Bulletin No. 224.

87, Textiles, Braiding, Netting and Lace Making

the definitions in this class have been republished and appear in Classification Bulletin No. 225.

97, Plows

in subclass 10, add:
Search Class—
47—PLANT HUSBANDRY, particularly subclass 58, for other processes of treating the soil.

99, Foods and Beverages

in subclass 80, under "Search Class", insert in numerical order:
71—CHEMISTRY, FERTILIZERS, subclass 2.1, for treating seeds with a chemical for the purpose of affecting the growth or development of the plant.

102, Ammunition and Explosive Devices

in subclass 21.2, under "Search Class", in the reference to class 43, change "30" to *43.18*.

111, Planting

in subclass 6, under "Search Class", in the reference to class 47, cancel "all".
and add in numerical order:
71—CHEMISTRY, FERTILIZERS, subclass 2.1 for processes of treating plants or the soil by applying a specific chemical thereto.

117, Coating: Processes and Miscellaneous Products

in the class definition under "II. Coated Articles Classified Elsewhere—(2) Search Classes", in the reference to class 47, Plant Husbandry, change the period to a comma, and add:
however processes of coating seeds and living plants are classified in this class (117), subclass 3.

in subclass 3, cancel (3) Note and substitute:
(3) Note.—See class 47, PLANT HUSBANDRY, for processes of preserving living plants which are more than a coating operation for this class (117). Processes of coating living plants with compositions which do not have any effect upon the growth characteristics of the plant are classified in this subclass (class 117, subclass 3). Such processes in which the coating material exerts an effect upon the growth of the plant are classified in class 71, CHEMISTRY, FERTILIZERS, particularly subclass 2.1.

119, Animal Husbandry

in subclass 3, add:
Search Class—
43—FISHING, TRAPPING, AND VERMIN DESTROYING, subclass 17.1, for devices applying wave energy to fish or to the water to capture, to lure, or to drive the fish to a point where other catching or gathering means can be brought into use.

in subclass 5, add:
Search Class—
43—FISHING, TRAPPING, AND VERMIN DESTROYING, subclass 54.5+, for containers under the class (43) definition, especially designed for use in fishing.

146, Vegetable and Meat Cutters and Comminutors

in subclass 47, cancel the note.

155, Chairs and Seats

in subclass 198, add:
Search Class—
296—LAND VEHICLES, BODIES AND TOPS, subclass 49.2, for accessory devices attached to a land vehicle door and functioning to cover or protect the window sill or other similar horizontal portion of the door structure; many of these devices serve as arm rests for occupants of the vehicle.

167, Medicines, Poisons, and Cosmetics

in the main class definition, paragraph (2), cancel "or vegetable", and substitute *fungus or bacterial.*
and add the following:
Search Class—
71—CHEMISTRY, FERTILIZERS, subclass 2.2+ for compositions for regulating the growth of plants including herbicides together with processes of applying such compositions to plants.

in subclass 13, add the following:
(9) Note.—Search class 71, CHEMISTRY, FERTILIZERS, subclass 2.2+ for compositions for regulating the growth of plants including herbicides together with processes of mere application of such compositions to plants.

in subclass 45, cancel the definition.
in subclass 51.5, under "Search Class", change "239.6" to *239.6+*.
in subclass 74.5, under "Search Class", change "239.6" to *239.5+*.
in subclass 67, in the "Note", insert *285.5* in numerical order in the list of subclasses from class 260.

192, Clutches and Power-Stop Control

in subclass 41, under "Search Class" in the reference to class 74, change the period to a comma, and add:
especially subclasses 144+, for lever mounted grip units, and see (1) Note to the definition of class 74, and subclass 144 for the line between these two subclasses.

195, Chemistry, Fermentation

subclass 101, in "(2) Note", add the following:
"and class 71, CHEMISTRY, FERTILIZERS, subclass 2.1".

206, Special Receptacles and Packages

in the class definition under "(1) Note" in the reference to class 43, change "31" to *54.5*.

223, Dispensing

in subclass 231, under "Search this class, subclass", in the reference to subclass 196+, after (2) cancel the second occurrence of "the".

223, Apparel Apparatus

abolish the definition of subclass 9.
in subclass 12 cancel (3) Note and add:
Search Class—
18—PLASTICS, subclasses 19, 35 and 56, for sheet shaping.
28—TEXTILES, subclass 5 and see (2) Note thereto for the line between this subclass and class 28, for combined machines for forming and felting; and subclass 72.3 and see (1) Note thereto for the line between this class and class 28, for combined processes of forming and felting.

240, Illumination

in subclass 26, under "Search Class", in the reference to class 43, change "27" to *17.5* and change "42.07" to *17.6*.

241, Solid Material Comminution or Disintegration

under "Search Class" to section 10, insert in numerical order:
71—CHEMISTRY, FERTILIZERS, subclass 2.1 for processes of treating seed with chemicals for the purpose of affecting the growth of the plant.
and in section 12, under "Search Class", insert in numerical order:
71—CHEMISTRY, FERTILIZERS, section 10.

248, Supports

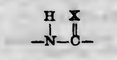
in subclass 27.8, under "Search Class", in the reference to class 47, at the end of the search note, add:
See also the notes to that subclass for search fields for other types of cut flower or plant holders.

255, Earth Boring

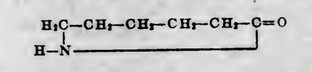
in subclass 34, under "Search Class", in the reference to class 43, change "30" to *43.12*.

260, Chemistry, Carbon Compounds

the definitions in this class have been republished and appear in Classification Bulletin No. 200.
in the class definitions, page 260–4, under "DEFINITIONS OF TERMS EMPLOYED IN THIS CLASS", first paragraph, change "—C=C—" to $-C\equiv C-$.
and on the same page, last paragraph, correct the spelling of "phenolic-oxy".
in subclass 120, before "casein", change "or" to *of*.
establish the following subclass definition:
239.3. Compounds under subclass 239 which contain in the ring the



group (X=O or S) and in which the ring contains at least seven members.
(1) Note.—This subclass contains for example:



Search this class, subclass—
293—for delta lactams; e. g., alpha piperidone.
313—for gamma lactams; e. g., alpha pyrrolidone.

in subclass 239.5, under "Search this class, subclass", cancel "210.5, for steroid glucosides, e. g., digitalis glucosides".
establish the following subclass definitions:
239.55. Compounds under subclass 239.5 in which the heterocyclic ring attached to the cyclopentanohydrophenanthrene nucleus contains oxygen in the ring.
Search this class, subclass—
210.5—for steroid glucosides, e. g., digitalis glucosides.
239.57. Compounds under subclass 239.55 which contain an oxygen ring having as ring members the carbon and one oxygen of a carbonyloxy group and the remaining ring members are carbon atoms.

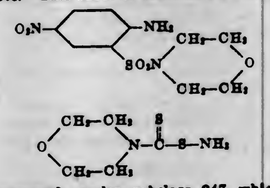
in subclass 239.6, cancel:
"Note.—This subclass includes, for example, compounds known as sulfa drugs, e. g., sulfathiazole and sulfapyridine".

in subclass 239.6, after "Search this class, subclass", add:
Search Class—
167—MEDICINES, POISONS, AND COSMETICS, subclass 51, for medicinal compositions containing heterocyclic compounds having the grouping para-N-benzenesulfoxy $-X(X=C$ or $N)$.

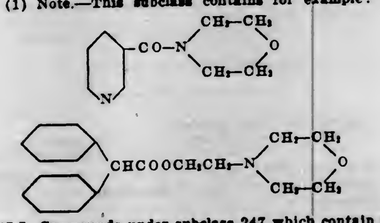
establish the following subclass definitions:
239.65. Compounds under subclass 239.6 which are addition compounds of a compound containing the group para-N-benzenesulfoxy $X(X=C$ or $N)$ and some other compound.
(1) Note.—This subclass contains, for example, the addition salts formed with inorganic acids, alkali metal halides and organic amines including quaternary ammonium compounds.
239.7. Compounds under subclass 239.6 wherein the heterocyclic group is a six membered ring with at least two hetero atoms, at least one of which is nitrogen.
(1) Note.—This subclass contains, for example, sulfapyrazine and compounds wherein the heterocyclic group may be melamine, etc.
239.75. Compounds under subclass 239.7 wherein the asine group is a pyrimidine.
(1) Note.—This subclass contains, for example, sulfadiazine.
239.8. Compounds under subclass 239.6 wherein the heterocyclic group contains a hexatomic ring made up of 5 carbon atoms and 1 nitrogen atom.
(1) Note.—This subclass contains, for example, sulfapyridine and sulfaquinoline.
239.9. Compounds under subclass 239.6 wherein the heterocyclic ring is a 5 membered ring containing at least 2 hetero atoms, at least one of which is a nitrogen atom.
(1) Note.—This subclass contains, for example, sulfa compounds wherein the heterocyclic group is a selenazone, oxazole, pyrazole, etc.

239.95. Compounds under subclass 239.9 wherein the azole is a thiazole.
(1) Note.—This subclass contains, for example, sulfathiazole.

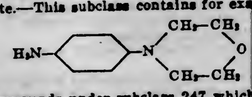
247.1. Compounds under subclass 247 which contain sulfur.
(1) Note.—This subclass contains for example:



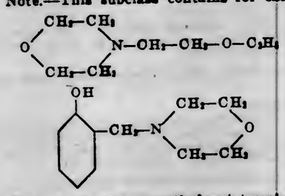
247.2. Compounds under subclass 247 which contain a non-oxo-carbonylic group.
(1) Note.—This subclass contains for example:



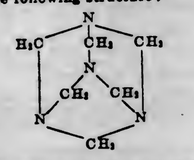
247.5. Compounds under subclass 247 which contain an extracyclic amino or imino group.
(1) Note.—This subclass contains for example:



247.7. Compounds under subclass 247 which contain an oxo or oxy group.
(1) Note.—This subclass contains for example:



248.5. The compound hexamethylenetetramine $(CH_2)_6N_4$ which has the following structure:



and reaction compounds thereof wherein the hexamethylenetetramine nucleus is not destroyed.
(1) Note.—This subclass contains, for example, salts of hexamethylenetetramine formed with carbon compounds not classified above, e. g., quinic acid, guaicol, santalol and salicylic acid.

248.6. Processes under subclass 248.5 for making, recovering or purifying hexamethylenetetramine.

in subclass 249.5, cancel:
"Note.—This subclass includes, for example, melamines and guanamines".

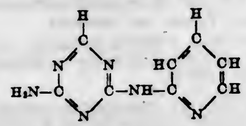
establish the following subclass definitions:

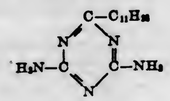
249.6. Compounds under subclass 249.5 containing three amino groups each of which is bonded to a nuclear carbon of the triazine nucleus.
(1) Note.—This subclass contains, for example, substituted melamines.

249.7. Processes under subclass 249.6 for the preparation, recovery or purification of unsubstituted melamine.

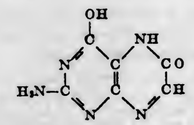
249.8. Compounds under subclass 249.5 containing two amino groups, each of which is bonded to a nuclear carbon of the triazine nucleus.

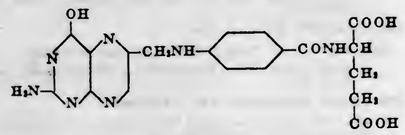
249.9. Compounds under subclass 249.8 in which the non-amino substituted nuclear carbon of the triazine nucleus is bonded to either H or C.
(1) Note.—This subclass contains, for example:



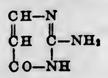


251.5. Compounds under subclass 251 which contain 2 fused diazine rings, one of which is a pyrimidine ring, the other a 1,4-diazine ring.
(1) Note.—This subclass contains, for example:



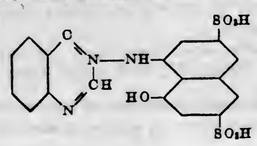


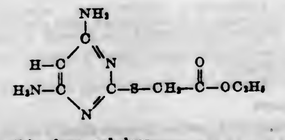
256.4. Compounds under subclass 251 which contain an extracyclic amino, imino or amido group.
(1) Note.—This subclass contains, for example:



(2) Note.—Included in this subclass are the salts of the amino pyrimidines with inorganic acids.

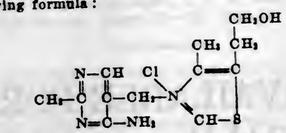
256.5. Compounds under subclass 256.4 which contain sulfur.
(1) Note.—This subclass contains, for example:





Search this class, subclass—
256.4—for salts of the amino pyrimidines with sulfur containing inorganic acids.

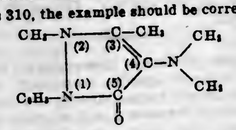
256.6. Compounds under subclass 256.5 having the following formula:



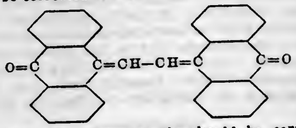
and reaction products thereof wherein the above structure is not destroyed.
(1) Note.—This subclass contains, for example, thiamin (Vitamin B_1) and processes of preparing or purifying the same as well as reaction products of thiamine and other compounds.

285.5. Compounds under subclass 283 which are ergot alkaloids or derivatives thereof.
(1) Note.—Included within the scope of this subclass is lysergic acid which is an hydrolysis product of all ergot alkaloids and derivatives thereof such as lysergic acid amides.
(2) Note.—This subclass also contains, for example, the alkaloids ergotoxine, ergotamine, ergotocin, etc.

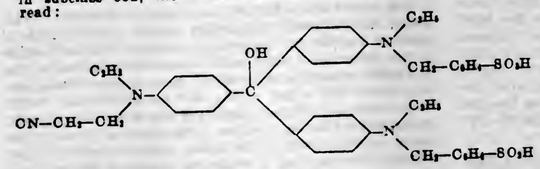
in subclass 310, the example should be corrected to read:



in subclass 351, under "(1) Note", the first example should be corrected to read:



in subclass 392, the example should be corrected to read:



in subclass 397, under "Search this class, subclass", change "239.5" to 239.5+.

in subclass 397.6, cancel "(2) Note", and substitute:

Search this class, subclass—
239.6+—for heterocyclic compounds containing the grouping, paranitrogen-benzenesulfoxy—X(X=C or N).

in the definition of subclass 501, under (1) Note, change "237" to 248.5.

296, Land Vehicles, Bodies and Tops

establish the following subclass definition:

49.2. Accessory devices attached to a complete door and/or window functioning to partially or completely cover (1) that part of the door normally exposed to wear by being gripped for opening and closing operations or by having the arm of an occupant resting thereon, or (2) either or both the inner and outer window sills of a glass panelled door.

Search Class—
45—FURNITURE, subclass 138, for automobile door upholstery panels and upholstery protectors.
155—CHAIRS AND SEATS, subclass 138, for arm rests designed to be attached to the door panel so as to protect inwardly of the panel and not functioning to cover or protect the window sill or other similar horizontal portion of the door structure.

322, Electricity, Single Generator Systems

in subclass 1, under "Search Class", in the reference to class 43, change "42.07" to 17.6, and change "27" to 17.5.

in subclass 47, under "Search Class", cancel the reference to class 172, and substitute:

172—ELECTRICITY, MOTIVE POWER, subclasses 120, 280, and 275+ for induction motor structure.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The Bristol Company offers for sale or license on reasonable terms the following five patents, all of which deal with fasteners for joining the ends of leather belts and the like used for driving machinery. Inquiries concerning the patents should be directed to the president, The Bristol Company, Waterbury 20, Conn.

Pat. 2,183,937. BELT FASTENER. Patented Dec. 19, 1939. This patent shows a hinged metallic fastener for joining the ends of power transmission belts (of leather or the like) which are V-shaped in cross section. Each hinge section consists of three stamped metal blanks to be assembled on the end of a belt to form elements of a hinge section having a liner. When inter-leaving portions of the opposing hinge sections are connected by a hinge pin, the pin is substantially enclosed in a tubular channel with the liner forming a bearing for the pin. The liner has embossed ridges to engage annular grooves in the pin to prevent displacement of the pin in the hinge channel. Fastener may be applied without special tools. Groups 38—59—73; 35—69. Reg. No. 33,619.

Pat. 2,272,527. BELT FASTENER. Patented Feb. 10, 1942. This patent shows a pair of identical pin members for a hinged metallic belt fastener of the type used to join the ends of power transmission belts. The pins are inserted alongside each other inside a tubular hinge channel so that stress of the belt will maintain the inner opposed convex surfaces of the pins in mutual engagement for rolling contact. The outer surfaces of the pins that are contoured to the shape of the hinge channel may be roughened to frictionally engage the channel when the belt is under tension to prevent displacement of the pins in the channel. Modification is shown. Groups 33—59; 35—69. Reg. No. 33,620.

Pat. 2,481,085. BELT HOOK PACKAGE. Patented Sept. 6, 1949. This patent shows a hollow support to hold a series of substantially V-shaped belt hooks of well-known type that are used to form a hinge section on the end of a power transmission belt. The support, which is polygonal shape in cross section with a longitudinal slit in the bottom, is made by folding a single blank of cardboard. The hooks are assembled on the support in aligned spaced relation with their opposing prongs extending inwardly through opposite sides of support. The slit divides the bottom into a pair of co-extensive flaps to shield the prongs to prevent them from pricking a person's fingers during handling, and also prevent entanglement of adjacent supports when placed in a container. The flaps are capable of being flexed inwardly to receive the end of a belt between the opposing prongs. Groups 26—69—91; 35—69. Reg. No. 33,621.

Pat. 2,420,783. BELT HOOK PACKAGE. Patented May 20, 1947. This patent shows a V-shaped elongated guard of cardboard that is removably inserted in a conventional support (of substantially U-shape) to shield the prongs. Several modified forms of guard are shown. Groups 26—69—91; 35—69. Reg. No. 33,622.

Pat. 2,481,123. MAGAZINE FOR WIRE HOOK BELT LACERS. Patented Sept. 6, 1949. This patent shows a magazine for attachment to a clinching machine to hold a group of well-known belt hooks in aligned spaced relation so that the hooks may be clinched to the end of a power transmission belt to form a hinge section on the end of the belt. The bights of a group of hooks are inserted in spaced transverse grooves in the magazine and a retaining rod slid through the magazine and hooks. A bar, parallel with the retaining rod, is then cammed toward the retaining rod to firmly clamp the bights of the hooks between the rod and bar. Groups 35—42; 36—19. Reg. No. 33,623.

Pat. 2,480,362. DRAFTING INSTRUMENT. Patented Aug. 30, 1949. A compact drafting instrument combines several basic instruments for use directly on a drawing board. A triangle pivoted between a pair of guide members has scales along the two edges and an arcuate scale on one of its sides. This scale passes beneath a sight opening in guide member as the triangle is moved so proper positioning of the triangle may be readily ascertained. A latch on one of the guide members engages any one of a row of recesses on the triangle to lock the triangle in the desired position. Latch is releasable by grasping ends of guide members. (Owner) Oscar F. Graff, P. O. Box 524, Parris Island, S. C. Group 39—11. Reg. No. 33,624.

Pat. 2,478,014. SHADE AND CURTAIN BRACKET. Patented Aug. 2, 1949. Adjustable bracket (on each side of window frame) for supporting drapery rods and shade roller comprises a sheet-metal channel-shaped bar having inwardly converging side walls. Ears project from upper and lower side edges of the bar for attachment to the window frame. Three supporting members are longitudinally adjustable on the bar. Openings in arms of the inner supports receive the shade roller. Center support of each bracket has a socket to receive a drapery rod. (Owner) Laura A. Rogers, Box 1526, Three Sands, Okla. Groups 25—62; 33—59. Reg. No. 33,625.

Pat. 1,926,801. PUMPING SYSTEM. Patented Sept. 12, 1933. Lubricating system for an internal combustion engine. A pump is driven by the engine, and a generator driven by the engine operates as a motor in driving connection with the pump. An over-running clutch between engine and pump and engine and generator will disconnect engine from pump and generator so generator will drive the pump with the engine at rest. A manually operative switch is adapted to simultaneously close or open the two circuits. (Owner) John C. Christian, Forrest City, Ark. Group 38—31. Reg. No. 33,626.

Pat. 2,485,220. FIXTURE FOR MAGNETIC CHUCKS. Patented Oct. 18, 1949. Workpieces of small or irregular size are firmly and squarely held in an L-shaped fixture adapted to be positioned on the top face of a magnetic chuck. Fixture consists of two upright walls forming a right angle and composed of alternate magnetic and non-magnetic plates arranged to be of the proper polarity in relation to the chuck. The bottom rear side of the walls is undercut to accommodate a rail on the chuck. Workpieces are positioned in the angle of the fixture between the walls and the chuck energised. No other adjustments are necessary, the work piece being ready to be ground

or otherwise machined. (Owner) Starn Tool & Manufacturing Co. Correspondence to R. E. Meech, 626 Arch St., Meadville, Pa. Group 35—43. Reg. No. 33,627.

Pat. 2,474,784. DISPENSER FOR FACIAL TISSUES. Patented June 28, 1949. Dispenser for facial tissues may be carried in handbag or pocket. A rectangular sheet of gabardine, faille, or like frictional material is folded to form front and rear panels. Sides of panels are stitched together to form a pocket to hold the tissues. An extension of front panel forms a friction flap which, when pile of tissues has been placed in pocket, is folded over and inserted between the last tissue and rear panel. Slot in front panel permits removal of tissues. Dispenser is folded along the slot with the slot inside. (Owner) Alfred A. Doran, 112 East 36th St., New York 16, N. Y. Groups 23—99; 26—99; 40. Reg. No. 33,628.

Pat. 2,418,862. CONVERTIBLE LADDER. Patented Apr. 15, 1947. Ladder is convertible for use as a straight ladder, a stepladder, or a scaffolding support. Pair of ladder sections, one shorter than the other, have converging metal-reinforced side rails. A pole member is pivotally connected to the narrow end of each section, and means are provided for rigidly fastening the pole when sections are in longitudinal alignment forming a straight ladder. Detachable rail members on removable rungs are secured intermediate the two sections. To form a stepladder, the pole is rigidly fastened in alignment with shorter section, and the two sections (pivotally attached at narrow end of the longer one) are held in position by a sectional brace. Scaffold support is formed by supporting pole in various ways in horizontal position at top of longer section. (Owner) James S. Anderson, 2518 Venables St., Vancouver, B. C., Canada. Group 25—99. Reg. No. 33,629.

Pat. 2,486,772. ADJUSTABLE STRIKER PLATE FOR DOORS. Patented Nov. 1, 1949. Striker plate is adjustable to take up rattle after long use of doors and reversible to fit right- or left-swinging doors. Striker plate has an opening at one side having grooves in its edges. A plate secured to either side of the striker plate has a striker secured thereto, and beads which slide in the grooves. The striker (curved to provide a wear surface) is held in position by an adjusting screw in a depending flange of the striker. (Owner) Rudolph A. Wuerl, 1917 Reynolds Ave., Butte, Mont. Group 33—59. Reg. No. 33,630.

Pat. 2,482,359. SANITARY PLUMBING. Patented Sept. 20, 1949. In trap seal for plumbing systems, a transparent (plastic) trap chamber has an inlet and an outlet discharging into a T-fitting connected with sewer. A removable block within chamber has a central opening discharging through sewer outlet. The block has a helical flange which contacts inner wall of casing and forms a spiral channel through which the sewage is forced upwardly and escapes downwardly through opening in block to sewer outlet. (Owner) James F. Molloy, 525 East 21 St., Oakland 6, Calif. Groups 32—61; 33—61. Reg. No. 33,631.

Pat. 2,425,891. REFRACTORIES AND METHOD OF MAKING. Patented Aug. 19, 1947. Refractory insulating bodies are capable of sustained use at temperatures up to 1600° C. without permanent shrinkage or expansion. Made from silica and plaster of Paris without use of pressure molds. Can be supplied as pre-fired bricks, blocks, or other shapes, or as a dry composition for use with water in forming castable monolithic linings or shapes at the place of use. Excellent handling strength and hardness, yet easily cut to shape. Exceptionally low density. (Owner) The Carborundum Company. Correspondence to Patent Department, The Carborundum Company, attention W. G. Soley, Niagara Falls, N. Y. Group 32—07. Reg. No. 33,632.

Des. 151,155. DESIGN FOR A SUN-BATHING AWNING. Patented Sept. 28, 1948. Separate awning and headrest which may be collapsed into a frame provided with pointed lower ends permitting the frame to be staked to the ground. (Owner) Olaf D. Koski. Correspondence to Smith & Tuck, Central Bldg., Seattle 4, Wash. Groups 23—95; 39—49; 40. Reg. No. 33,633.

Pat. 2,487,745. DOOR LATCH. Patented Nov. 8, 1949. Anti-rattling fitting for an automobile door latch having a co-acting keeper. Fitting includes a tubular housing having a removable cover on its inner end and an annular flange on its onter end by which means the housing may be attached to the door. Slidably mounted in the housing is a spring-tensioned piston-shaped latch bolt having a bit on its forward end. A notch in the bolt is aligned with a slot in the housing. A rocking throw lever which engages the notch extends through the slot. The bolt may be unlatched by manipulating a push-button associated with a yoke pivotally connected to the upper end of the lever. (Owner) P. Baker Witmer, 9 Chester St., Lancaster, Pa. Group 38—31. Reg. No. 33,634.

Pat. 2,486,460. MULTIPLE DOOR LOCK. Patented Nov. 1, 1949. Locking mechanism for multiple doors, such as a refrigerator with several doors, whereby the doors may be selectively locked and unlocked from a central handle. A rotatable disk has opposed links with cam blocks on their ends. Continued rotation of the disk and reciprocation of the links will progressively engage cam faces on the blocks with a bolt on each door. (Owner) Frederick A. Bonenberger, Germantown Pike and Whitehall Road, Norristown, Pa. Groups 33—59; 35—84. Reg. No. 33,635.

Pat. 2,470,257. ELECTRICAL PROTECTIVE SYSTEM. Patented May 17, 1949. System comprises an auxiliary circuit connecting a magnetic contactor circuit with main circuit breaker provided in usual protective power circuits to electric motors. On failure of magnetic contactor to act in normal manner, auxiliary circuit automatically opens main circuit breaker and prevents its closing until defects in the contactor or motor circuits are corrected. The auxiliary circuit includes a pair of switches in series with a solenoid mechanically connected to the main switch and a relay-controlled third switch which operates in the interval between the operation of the pair of solenoid-controlled switches. (Owner) M. K. Moore, Moore Electric Co., 605 Old Robstown Road, Corpus Christi, Tex. Group 36—19. Reg. No. 33,636.

Pat. 2,463,431. BEVERAGE BREWER. Patented Mar. 1, 1949. In this electric vacuum-type beverage brewer the changes from high to low heat resistance take place automatically. In use, liquid is placed in lower reservoir and material to be brewed in upper reservoir. A gasket surrounds transfer tube between the two reservoirs and carries a pair of spaced electrodes which extend downwardly into lower reservoir. A pair of conductors are connected with the heating unit in base of device and with a switch and to a detachable plug and socket carried by the gasket. (Owner) Peter P. Ruppe, 1977 Hunt Club Drive, Grosse Pointe Woods 30, Mich. Group 36—21. Reg. No. 33,637.

Pat. 2,471,323. HOISTING AND LIFTING DEVICE. Patented May 24, 1949. This invention provides a lift device in the form of a bar which is axially extensible or adjustable according to the size of the object to be lifted or hoisted thereby. It operates automatically to lock the device in adjustable position upon application of lifting force. The device is of simplified and inexpensive construction, designed to be foolproof and efficient in opera-

tion and use. (Owner) Lukens Steel Company. Correspondence to Stewart Huston, Secretary, Lukens Steel Company, Coatesville, Pa. Groups 33—52; 35—31—69. Reg. No. 33,638.

Pat. 2,486,864. SLOW-STOP LIGHT SWITCH FOR AUTOMOBILES. Patented Nov. 1, 1949. Slow-stop tail light for motor vehicles may be connected to the conventional speedometer cable or with the stop light switch circuit. When the brakes are applied, stop switch is closed and the slow-stop switch completes the battery circuit. When the vehicle stops or almost stops, the slow-stop switch breaks the slow circuit and completes the stop circuit, illuminating the stop lamp section of the tail light. (Owner) Joseph A. Mitchell, Newport Star Route, Bowie, Tex. Groups 34—81; 36—62; 38—31. Reg. No. 33,639.

Pat. 2,478,260. MEASURING AND DISTRIBUTING DEVICE FOR FLUIDS, PARTICULARLY LUBRICANTS. Patented Aug. 9, 1949. A device for measuring and distributing lubricants. A spring loaded distributing piston in a first cylinder communicates with point to be lubricated. A second cylinder carries a valve piston and communicates with first cylinder and main piping. Fluid under high pressure from main piping will cause the storage of a measured quantity of fluid. Either during the step where the system moves under the action of the high pressure or during its return movement under the action of the spring, the pistons separate and the fluid is expelled toward point to be lubricated. (Owner) Dario Fioretti. Correspondence to John Imirie, Munsey Bldg., 1329 E St., N. W., Washington 4, D. C. Groups 35—61; 38—31. Reg. No. 33,640.

Pat. 2,470,386. LUBRICATING DEVICE. Patented May 17, 1949. Lubricating gun of conventional design controls the feeding of lubricants supplied under pressure to bearings or the like in successive measured amounts. A vaned rotor in a cylindrical chamber has an extension which fits in wall of chamber. The wall has a series of discharge openings to which a series of ducts that lead to the bearings are connected. Extension has a single discharge opening which registers with the discharge openings as the rotor turns. (Owner) Hermann R. Abbrecht, 822 Suffield Ave., Birmingham, Mich. Groups 35—61; 37—11—22; 38—31. Reg. No. 33,641.

Pat. 2,483,294. ACETYLENE CUTTING TORCH AND GUIDE. Patented Sept. 27, 1949. Torch structure produces a radial bevel accurately in a single cutting operation. An arm with an annular member projects from forward end of handle. Trunnions carried by torch head are engaged in bearings of a second annular member rotatably supported in the first member. Clamps are engageable with the trunnions to secure the torch-head in adjusted positions. An adjustable gage in the form of a vertically adjustable bracket on second member is adapted for vertical adjustment to the work by means of a work-contact wheel at lower end of gage. An arm pivoted to second member is movable from side to side to change position of the gage. (Owner) James B. Miner, 5903 N. E. Hassalo St., Portland 13, Oreg. Group 35—42. Reg. No. 33,642.

Arcrods Corporation offers the following 20 patents for non-exclusive licensing on reasonable terms. Applications for license should be addressed to the Vice President in Charge of Operations, Arcrods Corporation, P. O. Box "D," Sparrows Point 19, Md.

These 20 patents cover flux materials consisting of various ingredients, and methods and apparatus for manufacturing flux-coated or flux-carrying electrodes or wire for arc welding aluminum, stainless steel, and other types of steel of high and low carbon content, or for building up worn surfaces. The electrodes or wire may be adapted to either hand welding or automatic welding machines. Different types of coating apparatus are provided for applying the flux in various ways to welding wire or rods. In one, welding wire is continuously drawn through the coating apparatus to form pockets in the surface of the wire, compress flux into the pockets, and remove excess flux to leave the surface of the wire between the pockets bare. In another type, welding wire is uniformly coated with flux, then subjected to pressure to force part of the flux into the body of the wire and change the shape of the wire so that it will be hexagonal in cross section. The hex-shaped wire is then drawn through circular openings to scrape the flux from the edges of the wire. The bare edges provide continuous conductive surfaces throughout the length of the wire when it is fed through an automatic welding machine.

Pat. 2,043,937 shows a welding rod having an inner and an outer coating to adapt it to high speed welding, and especially for use on light gage metal.

Pat. 1,940,574 shows a coated non-ferrous electrode adapted for either gas or arc welding copper to steel.

In Pat. 2,444,262 a series of narrow fabric strips are simultaneously coated with flux materials by feeding the strips from a row of reels through a continuously agitated bath of flux materials, through a drying oven and a dusting receptacle to wind-up reels. Each coated strip is adapted to be used to envelop an electrode rod as it is being fed to a welding arc. Groups 28—34; 33—49; 35—42; 36—19.

Pat. 1,930,446. ELECTRODE COATING APPARATUS. Patented Oct. 10, 1933. Reg. No. 33,643.

Pat. 1,940,572. WELDING ELECTRODE. Patented Dec. 19, 1933. Reg. No. 33,644.

Pat. 1,940,573. PROCESS OF MANUFACTURING WELDING ELECTRODES. Patented Dec. 19, 1933. Reg. No. 33,645.

Pat. 1,940,574. WELDING ROD. Patented Dec. 19, 1933. Reg. No. 33,646.

Pat. 1,942,364. WELDING ELECTRODE. Patented Jan. 2, 1934. Reg. No. 33,647.

Pat. 1,946,958. WELDING ELECTRODE AND FLUX THEREFOR. Patented Feb. 13, 1934. Reg. No. 33,648.

Pat. 1,949,398. WELDING ROD. Patented Feb. 27, 1934. Reg. No. 33,649.

Pat. 1,952,499. MACHINE FOR COATING WELDING RODS AND THE LIKE. Patented Mar. 27, 1934. Reg. No. 33,650.

Pat. 1,952,502. APPARATUS FOR COATING WIRE. Patented Mar. 27, 1934. Reg. No. 33,651.

Pat. 1,954,009. ROD RECESSING AND COATING MACHINE. Patented Apr. 10, 1934. Reg. No. 33,652.

Pat. 1,967,491. WELDING ELECTRODE. Patented July 24, 1934. Reg. No. 33,653.

Pat. 1,976,026. METHOD OF MANUFACTURING FLUX CARRYING RODS OR WIRE. Patented Oct. 9, 1934. Reg. No. 33,654.

Pat. 2,000,182. METHOD OF MAKING WELDING ROD OR FLUX HOLDER. Patented May 7, 1935. Reg. No. 33,655.

Pat. 2,015,074. MANUFACTURE OF WELDING ROD OR WIRE. Patented Sept. 24, 1935. Reg. No. 33,656.

Pat. 2,022,307. WELDING ROD. Patented Nov. 26, 1935. Reg. No. 33,657.

Pat. 2,037,596. WELDING ELECTRODE. Patented Apr. 14, 1936. Reg. No. 33,658.

Pat. 2,042,899. WELDING ROD OR WIRE. Patented June 2, 1936. Reg. No. 33,659.

Pat. 2,043,927. WELDING ELECTRODE. Patented June 9, 1936. Reg. No. 33,660.

Pat. 2,048,174. WELDING ROD. Patented July 21, 1936. Reg. No. 33,661.

Pat. 2,444,262. APPARATUS FOR FORMING WELDING TAPE. Patented June 29, 1948. Reg. No. 33,662.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 14, 1950

[VOL. 631. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 3, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 481,206. BELCO CHEMICAL PRODUCTS CO., New York, N. Y. Filed Mar. 23, 1945.

DI-TICK

The word "Tick" is disclaimed apart from the mark as shown.

FOR LIQUID OR POWDER INSECTICIDE PREPARATION USED TO DESTROY, REPEL, AND CONTROL DOG TICKS AND FLEAS ON DOGS, CATS, HORSES, SHEEP, HOGS, AND CATTLE.

Claims use since Jan. 10, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 519,772. NEWARK INDUSTRIES, INC., Newark, Ohio, assignor to Tectum Corporation, Newark, Ohio, a corporation of Ohio. Filed Mar. 28, 1947.

TECTUM

FOR PANELS, SECTIONS, AND BEAMS FOR USE IN CONSTRUCTION AND FORMED OF A FILAMENTARY INGREDIENT AND A BINDER INGREDIENT.

Claims use since Mar. 12, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 501,334. NATIONAL MODEL DISTRIBUTORS, doing business as Tiger Products Company, Chicago, Ill. Filed May 2, 1946.



FOR HOBBY CRAFT SUPPLIES—NAMELY, MODEL GAS ENGINE FUEL MIXTURE FOR TOY AIRPLANE ENGINES AND COMPOSED OF A MIXTURE OF GASOLINE, OIL, AND GRAPHITE; AND MODEL GAS ENGINE LUBRICATING OIL FOR TOY MODEL ENGINES.

Claims use since Jan. 23, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 496,775. ERONEL INDUSTRIES, Los Angeles, Calif. Filed Feb. 18, 1946.

TEXTURESIN

FOR SOLUTION OF A RESINOUS MATERIAL IN ORGANIC SOLVENTS USED FOR COATING WOOD AND OTHER SURFACES TO PRODUCE ORNAMENTAL EFFECTS.

Claims use since Feb. 13, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 496,174. TIKERN CORPORATION, New York, N. Y. Filed Feb. 7, 1946.

STANDOLIER

FOR PHOTOGRAPHIC LIGHT STANDS.

Claims use since Nov. 14, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 513,493. MILTON BURNHAM, doing business as Beacon Products Company, San Francisco, Calif. Filed Nov. 30, 1946.



The drawing is lined for shading only. The outline of the label is disclaimed.

FOR PAPER MATCH BOOKCOVERS, PAPER COASTERS, WRITING PAPER, ENVELOPES, WOOD-ENCASED LEAD PENCILS, SCORE PADS AND TALLY CARDS.

Claims use since Nov. 21, 1946.

Ser. No. 525,190. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio. Filed June 30, 1947. Under 10-year proviso.

Champion

FOR COATED PAPER SUITABLE FOR PRINTING.
Claims use since May 1894.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 508,665. MIDLAND FABRICS CORPORATION, New York, N. Y., now by change of name Spectrum Fabrics Corporation. Filed Sept. 7, 1946.

LIN-NON*

FOR PIECE GOODS OF SILK, SYNTHETIC FABRICS, AND MIXTURES THEREOF, USED FOR DECORATIVE, DRAPERY, AND UPHOLSTERY PURPOSES.
Claims use since Aug. 9, 1946.

Ser. No. 514,098. BARACUTA (CLOTHIERS) LIMITED, Manchester, England. Filed Dec. 12, 1946.

Baracuta

FOR TEXTILE PIECE GOODS MADE OF COTTON, WOOL, LINEN, RAYON, SILK, NYLON, AND MIXTURES THEREOF.
Claims use since Nov. 7, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 516,834. MAX HAEFELI, Basel, Switzerland. Filed Feb. 3, 1947.

PONTHACRYL

FOR SURGICAL SPLINTS, ARCH SUPPORTS, AND ARTIFICIAL LIMBS.
Claims use since Nov. 20, 1944.

Ser. No. 516,837. MAX HAEFELI, Basel, Switzerland. Filed Feb. 3, 1947.

GUTTAFORM

FOR DENTAL AND MEDICAL MATERIALS FOR DENTURES AND OTHER DENTAL PURPOSES—NAMELY, IMPRESSION MATERIALS AND ORTHODENTAL APPLIANCES.
Claims use since Nov. 20, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 509,966. TOWN TOAST COMPANY, Phoenixville, Pa. Filed Sept. 28, 1946.

KITCHEN SHELF

FOR COOKIES.
Claims use since Aug. 28, 1946.

Ser. No. 512,978. WOODROW MILLER, doing business as Woodrow Miller & Company, Alhambra, Calif. Filed Nov. 21, 1946. Under 10-year proviso. as to "Miller's."



No claim is made to the outline of the label. No claim is made to the exclusive use of the words "California" and "Pure Orange Honey" except in relation and association shown.
FOR HONEY.
Claims use since 1886 as to Miller's; and since Jan. 15, 1936, to the mark as shown.

Ser. No. 513,549. KATHARINE BEECHER, Manchester, Pa. Filed Dec. 2, 1946.

Katharine Beecher

FOR CANDY.
Claims use since Jan. 2, 1935.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 561,955. TRUAX-TRAER COAL COMPANY, Chicago, Ill. Filed July 22, 1948.

Dakota Star

Tru-Kleen

No exclusive claim is made to the word "Kleen" apart from the mark as shown.
FOR LIGNITE COAL.
Claims use since Aug. 15, 1946.

Ser. No. 561,956. TRUAX-TRAER COAL COMPANY, Chicago, Ill. Filed July 22, 1948.

Velva

Tru-Kleen

The word "Kleen" is disclaimed.
FOR LIGNITE COAL.
Claims use since Aug. 29, 1941.

Ser. No. 565,022. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Sept. 11, 1948.

NITREX

FOR SYNTHETIC RUBBER LATEX.
Claims use since Aug. 11, 1948.

Ser. No. 566,120. THE CAPITOL FUEL COMPANY, Cleveland, Ohio. Filed Sept. 30, 1948.

SILVER RIDGE COAL

The word "Coal" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Sept. 20, 1948.

Ser. No. 568,380. F. LAGOMARSINO & SONS, Sacramento, Calif. Filed Nov. 8, 1948.



FOR ALFALFA SEED.
Claims use since Jan. 29, 1948.

Ser. No. 569,738. BELL & ZOLLER COAL COMPANY, Chicago, Ill. Filed Dec. 2, 1948.



FOR COAL.
Claims use since Nov. 4, 1948.

Ser. No. 570,143. OSCAR H. WILL & Co., Bismarck, N. Dak. Filed Dec. 7, 1948.



Applicant claims ownership of Registration No. 84,443.

FOR PLANTS, SEEDS, BULBS, FLOWERS, SHRUBS AND TREES.

Claims use since 1907.

CLASS 2

RECEPTACLES

Ser. No. 550,795. DURANOL PRODUCTS, INC., Brooklyn, N. Y. Filed Feb. 28, 1948.

DURANOL

Applicant claims ownership of Registrations Nos. 335,139, 407,753, and 438,506.

FOR TRINKET BOXES, UTILITY BOXES, GLOVE BOXES, BLANKET BOXES, SHOE BOXES, LINGERIE BOXES, HANDKERCHIEF BOXES, COLLAR BOXES, HAT BOXES, POWDER BOXES, TISSUE BOXES, AND HOSE BOXES ESSENTIALLY OF METAL, CELLULOSE DERIVATIVES, AND SYNTHETIC RESINOUS MATERIALS OR COMBINATIONS THEREOF.

Claims use since Jan. 1, 1935.

Ser. No. 553,980. RHEEM MANUFACTURING COMPANY, San Francisco, Calif. Filed Apr. 6, 1948. (Sec. 2f.)

Quik-Lox

Applicant claims ownership of Registrations Nos. 326,156, 346,977, and 347,036.

FOR METAL SHIPPING AND STORING DRUMS AND BARRELS OF THE REMOVABLE HEAD TYPE.

Claims use since Jan. 26, 1935.

Ser. No. 564,567. GAYLORD CONTAINER CORPORATION, St. Louis, Mo. Filed Sept. 2, 1948.

RITE-WAY

FOR PAPER BAGS AND SACKS; CONTAINERS OF ALL KINDS MADE OF PAPER, SOLID FIBERBOARD, CORRUGATED FIBERBOARD OR COMBINATIONS OF WOOD AND SOLID FIBERBOARD OR CORRUGATED BOARD; AND FIBERBOARD LINERS FOR CONTAINERS.

Claims use on paper bags and sacks since Sept. 9, 1935; on containers of all kinds made of paper, solid fiberboard, and corrugated fiberboard since May 20, 1932; on containers of all kinds made of combinations of wood, fiberboard or corrugated board since Sept. 21, 1933; and on fiberboard liners for containers since Sept. 19, 1933.

CLASS 5

ADHESIVES

Ser. No. 572,015. CIBA LIMITED, Basel, Switzerland. Filed Jan. 12, 1949.

AERODUX

Applicant claims ownership of Swiss Registration No. 121,719, dated July 12, 1947.

FOR SYNTHETIC RESINOUS ADHESIVES FOR BONDING METALS, GLASS, CERAMICS, AND/OR PLASTICS.

Ser. No. 572,017. CIBA LIMITED, Basel, Switzerland. Filed Jan. 12, 1949.

AEROLITE

Applicant claims ownership of Swiss Registration No. 121,718, dated July 12, 1947.

FOR GLUES, ADHESIVES, AND BINDING AGENTS COMPOSED PRINCIPALLY OF SYNTHETIC RESINS SOLD IN SOLID, LIQUID, OR POWDER FORM FOR INDUSTRIAL PURPOSES.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 520,450. JULIUS GOLDNER, doing business under the trade name Hydroid Chemical Co., Brooklyn, N. Y. Original filed, act of 1905, Apr. 10, 1947; amended to application under act of 1946, Principal Register, July 18, 1947.

HYDROID

FOR HYDRAULIC BRAKE FLUID.

Claims use since 1938.

Ser. No. 552,513. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware. Filed Mar. 19, 1948. (Classified in Class 52.)

ACTO

Applicant claims ownership of Registrations Nos. 221,646, 221,885, 251,298, 251,487, 273,653, 296,241, and 299,746.

FOR WHITE MINERAL OIL FOR CHEMICAL, MEDICINAL, PHARMACEUTICAL, AND VETERINARY PURPOSES; PETROLEUM SULFONATES FOR GENERAL USE IN THE INDUSTRIAL ARTS, INCLUDING USE AS SUCH, OR AS AN INGREDIENT IN, EVAPORATION RETARDANT SPRAY OILS, EMULSIFIERS FOR ADHESIVES, CORDAGE OILS, METAL FABRICATING LUBRICANTS, PAPER TREATING OILS, FIBRE LUBRICANTS, AND RUBBER POLYMERIZATION; CLEANING AND WETTING AGENTS FOR ADHESIVES; ANTI-RUST AND METAL CLEANING COMPOUNDS; PICKLING AGENTS; SPLITTING AGENTS FOR FATTY OILS, FATS AND GREASES; DISPERSING AGENTS FOR PAPER INGREDIENTS; ABSORBENT AGENTS; SIZING AGENTS; FLOTATION AGENTS FOR ORES; INSECTICIDES, AND FOLIAGE WETTING AND SPREADING AGENTS; LEVELING, PENETRATING AND WETTING AGENTS FOR TREATMENT OF FABRICS, AND PLASTICIZERS AND LUBRICANTS FOR PLASTIC ARTICLES.

Claims use since Oct. 19, 1918.

Ser. No. 562,640. STERLING JONES LABORATORIES, doing business as R. A. Myers & Company, St. Paul, Minn. Filed Aug. 2, 1948.

RAMCO

FOR INSECTICIDES — NAMELY, INSECTICIDE POWDER, LIQUID INSECTICIDE WITH DDT, AND ANTISEPTIC INSECTICIDE; DISINFECTANTS FOR GENERAL USE—NAMELY, PINE OIL DISINFECTANT, LIQUID CHLORINE DISINFECTANT, AND HOSPITAL DISINFECTANT; CHEMICAL BOWL CLEANERS; CHEMICAL DRAIN PIPE OPENER; CATTLE FLY SPRAY; MOTH CRYSTALS; AND RODENTICIDE.

Claims use since Jan. 1, 1929.

Ser. No. 564,734. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Sept. 4, 1948.



Applicant claims ownership of Registrations Nos. 412,974 and 414,447.

FOR CHEMICAL PRODUCTS AND CHEMICAL INTERMEDIATES—NAMELY, NAPHTHENIC ACIDS, METALLIC NAPHTHENATES, POLYBUTENES, SODIUM SULFONATES, PURIFIED SULFONATES, GAS ODORANTS, WETTING AGENTS, ALIPHATIC ACIDS, LIQUID AND SOLID NAPHTHENATE DRIERS—NAMELY, CALCIUM, COBALT, COPPER, IRON, LEAD MANGANESE, ZINC, ALUMINUM AND COMBINATIONS THEREOF, PHTHALIC ANHYDRIDES, LEAD NAPHTHENATES, DENATURANTS, MERCAPTANS, NITROGEN BASES, CRUDE, DISTILLED AND REDUCED, HYDROFORMER CATALYSTS, XYLOLS, AND XYLENES FOR GENERAL USE IN THE INDUSTRIAL ARTS AND SCIENCES.

Claims use since Oct. 13, 1943.

Ser. No. 566,063. ATLAS POWDER COMPANY, Wilmington, Del. Filed Sept. 29, 1948.

ATMUL

FOR EMULSIFYING, WETTING, AND DISPERSING AGENTS BEING SURFACE ACTIVE ESTERS AND ETHERS OF POLYHYDRIC ALCOHOLS.

Claims use since Aug. 30, 1948.

Ser. No. 567,750. ATLAS POWDER COMPANY, Wilmington, Del. Filed Oct. 28, 1948.

ATAX

FOR EMULSIFYING, WETTING AND DISPERSING AGENTS BEING SURFACE ACTIVE ESTERS AND ETHERS OF POLYHYDRIC ALCOHOLS.

Claims use since Oct. 20, 1948.

Ser. No. 567,794. MAINE GAS AND APPLIANCES, INC., Portland, Maine. Filed Oct. 28, 1948.

It's Maingas!

FOR COMMERCIAL PROPANE AND PROPYLENE, COMMONLY DESIGNATED BOTTLED GAS.

Claims use since July 15, 1942.

Ser. No. 570,188. CHEMICAL & INDUSTRIAL LABORATORIES, INC., Greenville, S. C. Filed Dec. 8, 1948.

TRU-WAY

FOR LIQUID STARCH.

Claims use since Aug. 2, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 512,599. THE MONROE COMPANY, INC., Cleveland, Ohio. Original filed, act of 1905, Nov. 14, 1946; amended to application under act of 1946, Principal Register, Nov. 28, 1947.

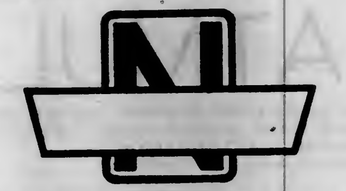
SWIFT FLOOR

No claim is made to the word "Floor" apart from the mark as shown.

FOR PATCHING AND RESURFACING COMPOUND WHICH IS USED FOR REPAIRING ALL TYPES OF FLOORS.

Claims use since January 1945.

Ser. No. 556,905. NATIONAL METAL PRODUCTS COMPANY, Pittsburgh, Pa. Filed May 12, 1948.



FOR WEATHER STRIPPING, METAL TRIM, AND METAL SCREENS.
Claims use since June 30, 1946.

Ser. No. 558,060. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed May 28, 1948.

Roof-weld

The word "Roof" is disclaimed.
FOR PLASTIC MATERIAL OF PROCESSED ASPHALT AND ASBESTOS FIBERS ADAPTED FOR STOPPING AND PREVENTING LEAKS.
Claims use since 1940.

Ser. No. 560,843. THE CHAS. TAYLOR'S SONS CO., also doing business as The Chas. Taylor Sons Co., Cincinnati, Ohio. Filed July 7, 1948.

TACOR

FOR REFRACTORY CEMENTS, REFRACTORY RAMMING MIXES, REFRACTORY BRICKS, AND REFRACTORY BLOCKS.
Claims use since June 21, 1948.

Ser. No. 561,655. CHAMBERLIN COMPANY OF AMERICA, Detroit, Mich. Filed July 19, 1948. (Sec. 2f.)

CHAMBERLIN

Applicant claims ownership of Registrations Nos. 86,784, 228,638, 233,954, 240,707, 240,708, 291,591, 342,759, 344,551, 437,650, and 438,165.
FOR COMBINATION STORM WINDOWS WITH SCREENS, WEATHER STRIPS, CAULKING COMPOUNDS, ROCK WOOL INSULATION, DOOR SADDLES, INTERLOCKING WEATHER SEALING DOOR SADDLES AND AUTOMATIC DOOR BOTTOM SEALS.
Claims use since Jan. 1, 1894.

Ser. No. 562,693. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Aug. 3, 1948.

BRIKRAM

FOR PLASTIC FIREBRICK.
Claims use since Feb. 1, 1948.

Ser. No. 565,498. SHADOWOOD, INC., Los Angeles, Calif. Filed Sept. 20, 1948.

SHADOWOOD

FOR LUMBER.
Claims use since Feb. 1, 1948.

Ser. No. 567,062. WEBB PRODUCTS COMPANY, San Bernardino, Calif. Filed Oct. 15, 1948. (Sec. 2f.)



The drawing is lined to indicate red and blue. Applicant claims ownership of Registration No. 309,121.
FOR PLASTIC COMPOSITION FOR FILLING CRACKS, NICKS, MARS AND SCRATCHES.
Claims use since Aug. 2, 1933.

Ser. No. 572,812. THE MIDWEST STEEL AND IRON WORKS COMPANY, Denver, Colo. Filed Jan. 17, 1949.

"MIDWESTEEL"

FOR STANDARD STRUCTURAL STEEL ROOF TRUSSES.
Claims use since Apr. 1, 1946.

Ser. No. 573,196. RODDIS PLYWOOD CORPORATION, Marshfield, Wis. Filed Feb. 2, 1949.

HOUSEMART

FOR HOLLOW CORE PLYWOOD DOORS.
Claims use since Jan. 10, 1949.

Ser. No. 588,258. DUNAN BRICK YARDS INCORPORATED, Miami, Fla. Filed Nov. 23, 1949.

SLUMPED BRICK

The word "Brick" is disclaimed apart from the mark as shown.
FOR BRICKS.
Claims use since July 1935.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 546,797. SKINNER & KENNEDY COMPANY, St. Louis, Mo. Filed Jan. 12, 1948.

Exel-O-Craft

FOR KEY HOLDERS FORMED OF PLASTIC MATERIAL.
Claims use since Sept. 30, 1946.

Ser. No. 549,298. TRI-CLOVER MACHINE CO., Kenosha, Wis. Filed Feb. 10, 1948.

TRI-CLOVER

FOR SANITARY METAL TUBING FOR USE PRINCIPALLY IN THE DAIRY, FOOD, AND CHEMICAL INDUSTRIES; PIPE SUPPORTS; SANITARY LIQUID VALVES FOR USE PRINCIPALLY IN THE DAIRY, FOOD, AND CHEMICAL INDUSTRIES; AND FABRICATED METAL PIPE FITTINGS—NAMELY, ELBOWS, LATERALS, T's, Y's, CROSSES, REDUCERS, CAPS, THREADED ADAPTERS, FERRULES, UNION NUTS, AND RETURN BENDS.
Claims use since December 1919.

Ser. No. 549,300. TRI-CLOVER MACHINE CO., Kenosha, Wis. Filed Feb. 10, 1948.



FOR SANITARY METAL TUBING FOR USE PRINCIPALLY IN THE DAIRY, FOOD AND CHEMICAL INDUSTRIES; PIPE SUPPORTS; SANITARY LIQUID VALVES FOR USE PRINCIPALLY IN THE DAIRY, FOOD AND CHEMICAL INDUSTRIES; AND FABRICATED METAL PIPE FITTINGS—NAMELY, ELBOWS, LATERALS, T's, Y's, CROSSES, REDUCERS, CAPS, THREADED ADAPTERS, FERRULES, UNION NUTS, AND RETURN BENDS.
Claims use since 1925.

Ser. No. 549,302. TRI-CLOVER MACHINE CO., Kenosha, Wis. Filed Feb. 10, 1948.



FOR SANITARY METAL TUBING FOR USE PRINCIPALLY IN THE DAIRY, FOOD, AND CHEMICAL INDUSTRIES; PIPE SUPPORTS; SANITARY LIQUID VALVES FOR USE PRINCIPALLY IN THE DAIRY, FOOD, AND CHEMICAL INDUSTRIES; AND FABRICATED METAL PIPE FITTINGS—NAMELY, ELBOWS, LATERALS, T's, Y's, CROSSES, REDUCERS, CAPS, THREADED ADAPTERS, FERRULES, UNION NUTS, AND RETURN BENDS.
Claims use since April 1946.

Ser. No. 557,451. GEORGE B. HANSBURG, Walker Valley, N. Y., assignor to Master Juvenile Products Inc., Walker Valley, N. Y., a corporation. Filed May 20, 1948.

BATHMASTER

FOR BABY'S BATH TUB.
Claims use since Mar. 10, 1948.

Ser. No. 565,693. ELASTIC STOP NUT CORPORATION OF AMERICA, Union, N. J. Filed Sept. 23, 1948.

ESnail

No claim is made to the word "Nail" or the representation of the goods, apart from the mark shown.
FOR NAILS.
Claims use since Aug. 13, 1948.

Ser. No. 576,710. THE MCKAY COMPANY, Pittsburgh, Pa. Filed Apr. 6, 1949.

VICTOR

FOR CHAINS OF BASE METAL, CROSS CHAINS, AND TIRE CHAINS.
Claims use since Oct. 17, 1919.

CLASS 15

OILS AND GREASES

Ser. No. 534,684. D. A. STUART OIL CO., LIMITED, Chicago, Ill. Filed Sept. 16, 1947.

DRAWSOL

FOR SPECIAL LUBRICATING COMPOUND IN PASTE FORM FOR DRAWING AND CUTTING OPERATIONS.
Claims use since Nov. 8, 1928.

Ser. No. 539,330. MARQUETTE PETROLEUM PRODUCTS, INC., Chicago, Ill. Filed Oct. 28, 1947.

MARFOYL

FOR LUBRICATING OILS.
Claims use since Dec. 13, 1927.

Ser. No. 552,372. TIDE WATER ASSOCIATED OIL COMPANY, San Francisco, Calif. Filed Dec. 26, 1947. (Sec. 2f.)

BURNBRITE

Applicant claims ownership of Registration No. 225,119.
FOR KEROSENE.
Claims use since Jan. 15, 1926.

Ser. No. 561,309. HENRY FEINEMAN, doing business as Compadol Sales, Brooklyn, N. Y. Filed July 14, 1948.

COMPADOL

FOR LUBRICATING OIL FOR KNITTING MACHINES.
Claims use since Dec. 17, 1946.

Ser. No. 562,280. SOUTHERN PETROLEUM COMPANY, INCORPORATED, Memphis, Tenn. Filed July 27, 1948.

Delta-Lube

The exclusive use of the word "Lube" is disclaimed apart from the mark as shown.
FOR MOTOR OIL USED AS A LUBRICANT.
Claims use since Apr. 26, 1948.

Ser. No. 574,938. ARTHUR C. WITHROW, doing business as Arthur C. Withrow Company, Los Angeles, Calif. Filed Mar. 4, 1949.

CORONET

FOR MOTOR OILS, LUBRICATING OILS, AND GREASES.
Claims use since Oct. 27, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 541,457. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 17, 1947. (Sec. 2f.)

STORM SHIELD

FOR READY MIXED PAINT SOLD IN LIQUID AND SEMI-PASTE FORM, VARNISHES, AND LIQUID TAR-BASED ROOF COATING IN THE NATURE OF A TAR-LIKE PAINT AND WHICH MAY BE APPLIED AS PAINT TO IRON AND CEMENT AND TO FELT, PAPER, AND METAL ROOFS.
Claims use since 1920.

Ser. No. 550,986. ALSTON-LUCAS PAINT CO., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio. Filed Mar. 2, 1948.

Syntaloid

FOR LIQUID PIGMENT FOR USE IN PAINTS.
Claims use since 1925.

Ser. No. 551,615. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 10, 1948. (Sec. 2f.)

SAFEGUARD

Applicant claims ownership of Registration No. 116,828.
FOR HOUSE PAINT, SCREEN ENAMEL PAINT, ALUMINUM PAINT, SHINGLE STAINS, BARN PAINT, PAINT FOR APPLICATION TO METAL SURFACES, ROOF COATING IN THE NATURE OF PAINT, OIL PAINTS FOR INDOOR AND OUTDOOR SERVICE, RESIN EMULSION PAINTS, PAINT ENAMELS FOR USE FLOORS, WALLS, WOODWORK, WOODEN AND METAL FURNITURE, AND TRUCK AND FARM IMPLEMENTS AND APPLIANCES; FLAT WALL PAINT, PORCH AND DECK PAINTS; FLOOR, WOODWORK, FURNITURE AND LINOLEUM VARNISHES, WOOD STAINS, SHELLAC, WATER-MIXED PAINTS, CASEIN PAINTS, WALL-FINISHING LACQUERS, BRONZING PAINT, PAINTS FOR APPLICATION TO CEMENTITIOUS SURFACES, AND ENAMEL UNDER-COATING PAINT.
Claims use since May 1919.

Ser. No. 552,247. KENNEY PAINT & VARNISH CO., INC., Chicago, Ill. Filed Mar. 18, 1948.

147

FOR EXTERIOR AND INTERIOR READY-MIXED PAINTS, VARNISHES, AND COLORS IN OIL.
Claims use since Jan. 1, 1948.

Ser. No. 560,541. CHICAGO PAINTS, INC., Chicago, Ill. Filed July 1, 1948. (Sec. 2f.)

DULHUE

FOR FLAT WALL PAINT, READY MIXED AND SOLD IN LIQUID FORM.
Claims use since 1918.

Ser. No. 566,364. THE STANDARD ULTRAMARINE CO., Huntington, W. Va. Filed Oct. 2, 1948. (Sec. 2f.)

GUYANDOT RED

No claim is made to the exclusive use of the word "Red" apart from the mark as shown.
FOR PIGMENTS FOR USE IN THE MANUFACTURE OF PROTECTIVE COATINGS—NAMELY, PAINTS, ENAMELS, LACQUERS.
Claims use since Feb. 28, 1941.

Ser. No. 568,884. S. WOLF'S SONS, New York, N. Y. Filed Nov. 16, 1948.



The words "Paint Service Since 1869" are disclaimed.
FOR HOUSE PAINTS, INTERIOR WALL PAINTS, FLOOR PAINTS, CEILING PAINTS, ENGINE AND IMPLEMENT ENAMELS (AIR DRY), WHITE AND ORANGE SHELLAC, EXTERIOR AND INTERIOR SPAR VARNISHES, FLOOR VARNISHES, AND OILS AND SOLVENTS FOR USE IN PAINTS.
Claims use since Oct. 1, 1948.

Ser. No. 569,446. THE FOY PAINT COMPANY, INC., doing business as The R. F. Johnston Paint Company, Cincinnati, Ohio. Filed Nov. 26, 1948.

VASDA

FOR OUTSIDE WALL AND TRIM PAINTS.
Claims use since Nov. 1, 1926.

Ser. No. 570,382. SCHALK CHEMICAL COMPANY, Los Angeles, Calif. Filed Dec. 11, 1948.

SUREX

FOR CHEMICAL PAINT AND VARNISH REMOVER.
Claims use snce Mar. 24, 1948.

Ser. No. 572,586. REYNOLDS METALS COMPANY, Richmond, Va. Filed Jan. 22, 1949.

REY-NO-MOLD

FOR ALUMINUM PASTE PIGMENT, FOR USE IN PAINTS.
Claims use since Feb. 11, 1948.

Ser. No. 574,209. CHEMICALS, INC., Britton, Okla. Filed Feb. 21, 1949.

LEADCO

FOR PAINT FOR MACHINERY, TANKS, AND OIL FIELD EQUIPMENT IN GENERAL.
Claims use since April 1948.

Ser. No. 576,407. GILMAN PAINT AND VARNISH COMPANY, Chattanooga, Tenn. Filed Mar. 31, 1949.

GILSPAR

FOR VARNISH.
Claims use since 1911.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 548,578. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Filed Feb. 2, 1948.

Domiford

FOR SMOKING TOBACCO.
Claims use since Aug. 8, 1939.

Ser. No. 554,520. GEORGE SCHAFER-H. C. PFAFF CIGAR Co., Baltimore, Md. Filed Apr. 13, 1948.



The wording "Geo. Schafer Cigar Co." and "Baltimore" are disclaimed. The portrait of a woman shown in the drawing is fanciful.
FOR CIGARS.
Claims use since Jan. 13, 1906.

Ser. No. 555,348. AMERICAN SNUFF COMPANY, Memphis, Tenn. Filed Apr. 23, 1948.



The drawing is lined for shading only.
FOR SNUFF.
Claims use since 1880.

Ser. No. 555,349. AMERICAN SNUFF COMPANY, Memphis, Tenn. Filed Apr. 23, 1948.



FOR SNUFF.
Claims use since 1898.

Ser. No. 555,352. AMERICAN SNUFF COMPANY, Memphis, Tenn. Filed Apr. 23, 1948.

ESCOBAL

FOR SNUFF.
Claims use since 1900.

Ser. No. 571,715. THE S. FRIEDER & SONS COMPANY, Cincinnati, Ohio, and Philadelphia, Pa. Filed Jan. 6, 1949.

EL JAVANA

FOR CIGARS AND CHEROOTS.
Claims use since May 8, 1922.

Ser. No. 571,716. THE S. FRIEDER & SONS COMPANY, Cincinnati, Ohio, and Philadelphia, Pa. Filed Jan. 6, 1949.

LA MACEDA

FOR CIGARS AND CHEROOTS.
Claims use since December 1938.

Ser. No. 571,717. THE S. FRIEDER & SONS COMPANY, Cincinnati, Ohio, and Philadelphia, Pa. Filed Jan. 6, 1949.

LA TERESA

FOR CIGARS AND CHEROOTS.
Claims use since Aug. 1, 1905.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 552,513. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware. Filed Mar. 19, 1948. (Classified in Class 52.)

ACTO

Applicant claims ownership of Registrations Nos. 221,646, 221,885, 251,298, 251,487, 273,653, 296,241, and 299,746.

FOR WHITE MINERAL OIL FOR CHEMICAL, MEDICINAL, PHARMACEUTICAL AND VETERINARY PURPOSES; PETROLEUM SULFONATES FOR GENERAL USE IN THE INDUSTRIAL ARTS, INCLUDING USE AS SUCH, OR AS AN INGREDIENT IN, EVAPORATION RETARDANT SPRAY OILS, EMULSIFIERS FOR ADHESIVES, CORDAGE OILS, METAL FABRICATING LUBRICANTS, PAPER TREATING OILS, FIBRE LUBRICANTS, AND RUBBER POLYMERIZATION; CLEANING AND WETTING AGENTS FOR ADHESIVES; ANTI-RUST AND METAL CLEANING COMPOUNDS; PICKLING AGENTS; SPLITTING AGENTS FOR FATTY OILS, FATS AND GREASES; DISPERSING AGENTS FOR PAPER INGREDIENTS; ABSORBENT AGENTS; SIZING AGENTS; FLOTATION AGENTS FOR ORES; INSECTICIDES, AND FOLIAGE WETTING AND SPREADING AGENTS; LEVELING, PENETRATING AND WETTING AGENTS FOR TREATMENT OF FABRICS, AND PLASTICIZERS AND LUBRICANTS FOR PLASTIC ARTICLES.
Claims use since Oct. 19, 1918.

Ser. No. 562,022. JOHN PERCY BARTHOLOMEW, Gravesend, England. Filed July 23, 1948.

BARTOSAN-VET

The word "Vet" is disclaimed apart from the mark as shown. Applicant claims ownership of British Registration No. 651,971, filed Sept. 25, 1946.

FOR VETERINARY SUBSTANCES FOR PREVENTION AND TREATMENT OF BLACKHEAD (INFECTIOUS ENTERO-HEPATITIS) IN TURKEYS.

Ser. No. 563,867. NUMOTIZINE, INC., Chicago, Ill. Filed Aug. 23, 1948.

CREMACAL

FOR ANALGESIC CREAMS FOR TREATMENT OF SKIN DISORDERS.
Claims use since June 18, 1948.

Ser. No. 567,046. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Oct. 15, 1948.

Orapens

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 567,047. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Oct. 15, 1948.

Oropens

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 571,638. GALLIA LABORATORIES, INC., New York, N. Y. Filed Jan. 5, 1949.

TIMAROL

FOR MEDICINAL PREPARATION FOR LIVER AND GALL BLADDER AILMENTS.
Claims use since Dec. 28, 1948.

Ser. No. 572,274. R. P. SCHERER CORPORATION, Detroit, Mich. Filed Jan. 15, 1949.

METAPULES

FOR MEDICAMENTS FOR HYPODERMIC INJECTION INCLUDING PROCAINE HYDROCHLORIDE 2% WITH EPINEPHRINE, INSULIN, CRYSTALLINE PROCAINE PENICILLIN G IN OIL, TETANUS TOXOID PLAIN, TRIPLE TYPHOID VACCINE, DIPHTHERIA TOXOID REFINED ALUM PRECIPITATED, PROTAMINE ZINC INSULIN, GLOBIN INSULIN WITH ZINC, MORPHINE SULPHATE, AND NATURAL ESTROGENIC SUBSTANCE.
Claims use since September 1946.

CLASS 19

VEHICLES

Ser. No. 458,520. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio. Original filed, act of 1905, Feb. 13, 1943; amended to application under act of 1946, Principal Register, Dec. 10, 1948. (Sec. 2f.)

JEEP

FOR AUTOMOBILES AND STRUCTURAL PARTS THEREOF.
Claims use since Nov. 20, 1940.

Ser. No. 557,753. HUMBER LIMITED, Coventry, England. Filed May 25, 1948.



The words "Made in England" are disclaimed.
FOR BICYCLES, TRICYCLES FOR ADULTS; AND OTHER PEDAL-OPERATED VEHICLES FOR ADULTS—NAMELY, BOX TRICYCLES FOR THE DELIVERY OF GOODS.
Claims use since Mar. 26, 1914.

Ser. No. 574,884. ARTISAN PRODUCTS, INC., Cleveland, Ohio. Filed Mar. 4, 1949.

CRAFTSMAN

FOR TRUCK BODIES.
Claims use since Apr. 8, 1948.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 570,965. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Dec. 22, 1948.

Sanitile

FOR FLOOR COVERING IN THE NATURE OF LINOLEUM SOLD IN ROLLS AND TILES.
Claims use since Dec. 10, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 554,136. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Apr. 8, 1948.



The representation of a loud speaker is disclaimed.

FOR RADIO RECEIVING SETS, ELECTRIC PHONOGRAPHS, RADIO PHONOGRAPH COMBINATION SETS, IMPULSE GENERATORS, ELECTRICAL SOUND RECORDERS AND REPRODUCERS, SOLENOIDS, ELECTRIC PUBLIC ADDRESS APPARATUS, TELEVISION RECEIVING SETS AND PARTS OF THE FOREGOING APPARATUS.

Claims use on radio receiving sets since August 1923; on electric phonographs since June 1936; on radio phonograph combination sets since June 1937; on impulse generators since April 1943; on electrical sound recorders and reproducers since June 1932; on solenoids since April 1941; on electric public address apparatus since July 1915; and on television receiving sets since March 1948.

Ser. No. 556,998. STOKES MOLDED PRODUCTS, INC., Trenton, N. J. Filed May 13, 1948.



Applicant claims ownership of Registrations Nos. 292,057 and 293,884.

FOR PARTS OF STORAGE BATTERIES—NAMELY, CASES AND COVERS.

Claims use since Mar. 19, 1948.

Ser. No. 558,842. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa. Filed June 10, 1948.

Plasti-Grip

The word "Grip" is disclaimed.

FOR ELECTRICAL TERMINALS AND CONNECTORS.

Claims use since Aug. 31, 1945.

Ser. No. 560,471. INTERNATIONAL RESISTANCE COMPANY, Philadelphia, Pa. Filed June 30, 1948.

IRC

The omega sign is disclaimed. Applicant claims ownership of Registrations Nos. 304,723 and 312,722.

FOR RESISTORS, RESISTANCES, GRID LEAKS, VOLUME CONTROLS, SWITCHES, RHEOSTATS, RESISTORS OF THE TYPE CALLED VOLTMETER MULTIPLIERS.

Claims use since February 1931.

Ser. No. 563,321. ELECTROLITE CORPORATION OF AMERICA, Steubenville, Ohio. Filed Aug. 13, 1948.

FABRI-SHEEN

The word "Sheen" is disclaimed.

FOR ELECTRIC LAMPS AND LAMP SHADES.

Claims use since Mar. 1, 1948.

Ser. No. 565,399. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa. Filed Sept. 18, 1948.

BUDGET LINE

The word "Line" is disclaimed.

FOR ELECTRICAL TERMINALS AND CONNECTORS.

Claims use since July 2, 1946.

Ser. No. 565,401. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa. Filed Sept. 18, 1948.

SOLISTRAND

FOR ELECTRICAL TERMINALS AND CONNECTORS.

Claims use since July 2, 1946.

Ser. No. 569,252. CONSOLIDATED TELEVISION CORPORATION, New York, N. Y., assignor to Tele King Corporation, New York, N. Y., a corporation of New York. Filed Nov. 23, 1948.

Tele King

The word "Tele" is disclaimed.

FOR RECEIVING TELEVISION AND RADIO SETS.

Claims use since Nov. 28, 1947.

Ser. No. 569,889. S. & G. GUMP COMPANY, San Francisco, Calif. Filed Dec. 3, 1948. (Sec. 2f.)

GUMP'S

FOR ELECTRIC FLOOR LAMPS AND TABLE LAMPS.

Claims use since Jan. 26, 1936.

Ser. No. 571,199. JOHN J. BYRNES, Newark, N. J. Filed Dec. 28, 1948.



The words "Trade Mark" are disclaimed.

FOR OIL BURNER SERVICE DEVICES—NAMELY, ADAPTOR PLATES FOR MOUNTING ELECTRIC MOTORS FOR OIL BURNERS.

Claims use since Mar. 5, 1948.

Ser. No. 571,209. GAROD RADIO CORPORATION, Brooklyn, N. Y. Filed Dec. 28, 1948.

TELE-ZOOM

The term "Tele" is disclaimed.

FOR TELEVISION SETS AND RADIO SETS.

Claims use since Dec. 13, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 533,547. NELSON J. DANIELS, Haverhill, Mass. Filed Sept. 5, 1947.

Symmetrizer

FOR TOY KALEIDOSCOPES.

Claims use since Aug. 15, 1947.

Ser. No. 552,819. VON LENGERKE & ANTOINE, Chicago, Ill. Filed Mar. 23, 1948.

VL&A

Best for Sport

No claim is made to the phrase "Best for Sport" apart from the entire combination. Applicant claims ownership of Registration No. 255,217.

FOR FISHING EQUIPMENT OR TACKLE—TO-WIT, POLES, RODS, POLE AND ROD PARTS, POLE AND ROD BUTT CAPS AND PADS, POLE AND ROD GRIPS, POLE AND ROD RESTS, POLE AND ROD HOLDERS, POLE AND ROD SHORTENERS, POLE AND ROD CASES AND BAGS, REELS, REEL SEATS, REEL CASES AND BAGS, LINES, LINE DRYERS, LINE CARRIERS, LINE SINKERS, HOOKS, HARPOONS, LEADERS, FLOATS, ARTIFICIAL FLIES, ARTIFICIAL LURES, ARTIFICIAL BAITS, SPINNERS, SPOONS, FLY AND BAIT BOXES AND CONTAINERS, TACKLE KITS, TACKLE BOXES AND CONTAINERS, SEINES, NETS, NET FRAMES, NET RIGGINGS, GAFF HOOKS AND STAFFS, SPEARS, FISH BASKETS AND CONTAINERS, BASKET HARNESS AND STRAPS, FISH STRINGERS, HOOK EXTRACTORS, AND FISH HOOK FILES AND HONES; HUNTING EQUIPMENT OR TACKLE—TO-WIT, SNOWSHOES, SNOWSHOE HARNESS, DECOYS, DECOY ANCHORS, GAME AND FOWL CALLS, BLOW HORNS, AND TRAPS; EQUIPMENT FOR PLAYING BASEBALL—TO-WIT, MITTS AND GLOVES, LEG GUARDS, BODY PROTECTORS, MASKS, BALLS, BATS, BAT BAGS, PLATES, AND BASES; EQUIPMENT FOR PLAYING FOOTBALL—TO-WIT, FOOTBALLS, FOOTBALL BLADDERS, FOOTBALL CARRIERS, HEAD HELMETS, SHOULDER PADS, AND HIP PADS; GOLF EQUIPMENT—TO-WIT, CLUBS, IRONS, PUTTERS, PUTTING DISCS, BALLS, BAGS, TEES, AND TEE HOLDERS; EQUIPMENT FOR PLAYING TENNIS—TO-WIT, RACKETS, RACKET CASES, RACKET GLOVES, RACKET PRESSES, BALLS, NETS, NET POSTS, NET REELS, COURT MARKERS, AND MARKING PLATES; ARCHERY EQUIPMENT—TO-WIT, TARGETS, TARGET STANDS, BOWS, ARROWS, BOWSTRINGS, BOW TIPS, AND QUIVERS; FENCING EQUIPMENT—TO-WIT, FENCING FOILS, GUARDS, MASKS, PLASTRONS, AND GLOVES; EQUIPMENT FOR PLAYING BASKET BALL—TO-WIT, BALLS, BLADDERS, CARRYING CASES, GOALS, AND GOAL NETS; VOLLEY BALLS, VOLLEY-BALL BLADDERS, VOLLEY-BALL NETS, HANDBALLS, HANDBALL GLOVES, MEGAPHONES, VAULTING POLES, JAVELINS, PITCHING HORSESHOES, HORSESHOE STAKES, PLAYGROUND BALLS, INDOOR AND OUT-

DOOR BALLS, MEDICINE BALLS, SOCCER BALLS, SURF BOARDS, TOBOGGANS, SKIS, SKI HARNESSES, SKI POLES, JUMP ROPES, BOXING GLOVES, BOXERS' HEAD GUARDS, WRESTLING MATTRESSES, STRIKING BAGS, PUNCHING BAGS, BLADDERS FOR STRIKING AND PUNCHING BAGS, STRIKING-BAG GLOVES, PLATFORMS FOR STRIKING BAGS; PUMPS FOR INFLATING ATHLETIC EQUIPMENT AND LACING NEEDLES FOR FOOTBALLS, BASKET BALLS, VOLLEY BALLS, PUNCHING AND STRIKING BAGS; INDIAN CLUBS, DUMB-BELLS, HOCKEY STICKS, HOCKEY BALLS, HOCKEY SHIN GUARDS, ICE SKATES, SKATE KEYS, SKATE SCABBARDS, SKATE STRAPS, ROLLER SKATES, CHEST WEIGHTS, CHEST PULLS, ROWING MACHINES, MECHANICAL EXERCISING APPLIANCES, SWINGING RINGS, HORIZONTAL BARS, TRAPEZES, GYMNASIUM STIRRUPS, CHESS AND CHECKER BOARDS, CHECKERS, CHESSMEN, DOMINOES, CRIBBAGE BOARDS, POKER CHIPS, POKER-CHIP RACKS, DICE, DICE CUPS, RACE-TRACK GAMES, ROULETTE, BADMINTON SETS, SHUTTLECOCKS, TABLE TENNIS, TABLE TENNIS EQUIPMENT INCLUDING PADDLES, NETS, AND BALLS, PLAYING CARDS, AND BRIDGE SETS.
Claims use since Apr. 26, 1937.

Ser. No. 555,905. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass. Filed Nov. 18, 1947.

GOLD MEDAL



Applicant claims ownership of Registration No. 212,556.
FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Ser. No. 556,326. EMPORIUM SPECIALTIES CO., INC., Emporium, Pa. Filed May 6, 1948.

MONKEY Shines

The word "Monkey" is disclaimed apart from the mark as shown.
FOR CLIMBING TOYS, MORE PARTICULARLY TOYS WHICH COMPRISE A FIGURE OF AN ANIMAL OPERABLY ASSOCIATED WITH A FIGURE OF A TREE OR POST IN A MANNER WHICH PERMITS THE ANIMAL FIGURE TO ASCEND AND DESCEND WITH RESPECT TO THE SAID TREE OR POST FIGURE.
Claims use since Mar. 8, 1948.

Ser. No. 558,854. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed June 10, 1948.

CENTENNIAL

Applicant claims ownership of Registrations Nos. 304,963 and 398,540.
FOR BILLIARD BALLS.
Claims use since Mar. 8, 1948.

Ser. No. 563,132. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Aug. 10, 1948.

PENNBILT

Applicant claims ownership of Registration No. 513,266.
FOR INFLATED ATHLETIC BALLS.
Claims use since July 20, 1948.

Ser. No. 572,324. PERSHING PRODUCTS COMPANY, Saugatuck, Mich. Filed Jan. 17, 1949.

YEAR-ROUNDER

FOR PORTABLE, HAND OPERABLE, BELT DRIVEN CAROUSEL TO BE OPERATED AND RIDDEN BY CHILDREN.
Claims use since Dec. 23, 1948.

Ser. No. 575,539. GRACE MORSE, doing business as Grace Morse Doll Shop, Michigan City, Ind. Filed Mar. 16, 1949.



The mark consists of the face of a rag doll formed by an ingenious and distinctive use of the letters of applicant's name, i. e., G. Morse.
FOR RAG DOLLS.
Claims use since May 1, 1946.

Ser. No. 580,000. ROBERT E. SMITH, New York, N. Y. Filed June 4, 1949.

HOWDY DOODY

FOR DOLLS, PUPPETS, AND ANIMATED CHARACTER TYPE OF MECHANICAL TOYS.
Claims use since October 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 512,352. THOMAS HYDRAULIC SPEED CONTROLS, INC., Wichita, Kans. Original filed, act of 1905, Nov. 9, 1946; amended to application under act of 1946, Principal Register, July 24, 1948.

THOMAS Vari Draulic DRIVES

The word "Vari Draulic" is lined for the color blue. The words "Thomas Drives" are disclaimed apart from other features of the mark.
FOR HYDRAULIC SPEED CONTROLS AND VARIABLE SPEED HYDRAULIC CLUTCHES.
Claims use since Sept. 25, 1946.

Ser. No. 518,234. WILLIAM H. LINGLE COMPANY, Washington, D. C., assignee of The William H. Lingle Corporation. Original filed, act of 1905, Feb. 27, 1947; amended to application under act of 1946, Principal Register, Dec. 3, 1948.

SOIL SURGEON

The word "Soil" is disclaimed.
FOR CULTIVATORS, HARROWS AND PARTS THEREOF.
Claims use since Nov. 15, 1945.

CLASS 25

LOCKS AND SAFES

Ser. No. 503,150. AKTIEBOLAGET OPTIMUS, Upplands-Vasby, Sweden. Original filed, act of 1905, June 1, 1946; amended to application under act of 1946, Principal Register, Mar. 16, 1948. (Sec. 2f.)



FOR LOCKS—NAMELY, PADLOCKS AND BICYCLE LOCKS, SAFES AND STRONG BOXES.
Claims use since August 1911 in Sweden.

Ser. No. 507,961. AKTIEBOLAGET OPTIMUS, Upplands-Vasby, Sweden. Original filed, act of 1905, Aug. 24, 1946; amended to application under act of 1946, Principal Register, Mar. 16, 1948. (Sec. 2f.)

ÖPTIMUS

FOR LOCKS—NAMELY, PADLOCKS AND BICYCLE LOCKS, SAFES AND STRONG BOXES.
Claims use since August 1911.

Ser. No. 537,135. E. J. BROOKS COMPANY, Newark, N. J. Filed Oct. 8, 1947. (Sec. 2f.)

E. J. BROOKS COMPANY

Applicant claims ownership of Registrations Nos. 247,916, 248,550, and 407,528.
FOR BASE-METAL TRUCK, CAR AND SHIPPING-CASE SEALS, SEALS FOR CONTAINERS AND PACKAGES, AND SEALS FOR TAGS.
Claims use since 1885 as to the name "Brooks" and "E. J. Brooks," and in the form "E. J. Brooks & Co.," and since Apr. 1, 1929, as shown.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 492,492. CLAUD S. GORDON COMPANY, Chicago, Ill. Original filed, act of 1905, Dec. 1, 1945; amended to application under act of 1946, Principal Register, Feb. 23, 1949.

GORDON SERVICE

FOR THERMOCOUPLE PROTECTING TUBES, THERMOCOUPLE EXTENSION LEAD WIRE, THERMOCOUPLE WIRE, THERMOCOUPLE INSULATORS, THERMOCOUPLES, INDUSTRIAL THERMOMETERS, GUAGES (PRESSURE AND VACUUM), PYROMETERS, PYROMETER SWITCHES, BRINELL MACHINES, BRINELL TEST BARS, BRINELL BALLS, GORDON INDUSTRIAL ATMOSPHERE INDICATORS AND HARDENABILITY TESTING EQUIPMENT.
Claims use since January 1944.

Ser. No. 541,872. MONROE CALCULATING MACHINE COMPANY, Orange, N. J. Filed Nov. 20, 1947. (Sec. 2f.)

MONROE

Applicant claims ownership of Registration No. 128,029.
FOR LISTING ADDING MACHINES AND BOOKKEEPING MACHINES.
Claims use since Aug. 1, 1935.

Ser. No. 550,678. EBOSA, S. A., Granges, Switzerland. Filed Feb. 27, 1948.

EBOSA

Applicant claims ownership of Swiss Registration No. 109,655, dated Jan. 25, 1945, and United States Registration No. 437,117.

FOR COMPARATORS, MICRO-GAUGES, MICRO-INDICATORS WITH SUPPORTS, HORIZONTAL MICROMETERS, DEPTH MICROMETERS, SMALL HARDNESS TESTERS, HARDNESS TESTERS WITH SUPPORTS.

Ser. No. 557,888. BOL, LTD., New York, N. Y. Filed May 27, 1948. (Sec. 2f as to "Bolsey.")

bolsey

Applicant claims ownership of Registration No. 395,795.

FOR CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO—NAMELY, PHOTOGRAPHIC CAMERAS AND PROJECTORS, MOTION PICTURE CAMERAS AND PROJECTORS, LENSES, FILTERS, FILTER HOLDERS, FADING APPARATUS, APPARATUS FOR DELAYED EXPOSURE, SHUTTERS, PHOTOGRAPHIC ENLARGERS, TITLING APPARATUS, SPLICERS, FILM VIEWERS, FILM WINDERS, PROJECTION SCREENS, EXPOSURE METERS, FILM PRINTING AND DEVELOPING APPARATUS, DEVELOPING TANKS, FILM MAGAZINES, TRIPODS, AND TRIPOD HEADS.

Claims use since Apr. 1, 1944, as to the mark shown; and since Feb. 24, 1941, as to "Bolsey."

Ser. No. 564,660. SINTERING MACHINERY CORPORATION, Netcong, N. J. Filed Sept. 3, 1948.

TRANSPORTOMETER

FOR APPARATUS FOR CONTINUOUSLY WEIGHING, RECORDING, AND TOTALIZING THE WEIGHT OF GRANULAR MATERIALS AND THE LIKE WHILE BEING CONTINUOUSLY TRANSPORTED ON CONVEYORS.

Claims use since Apr. 1, 1929.

Ser. No. 565,594. RUSSELL WILES, JR., doing business as Rig Products Company, Oregon, Ill. Filed Sept. 21, 1948.

RIG

Applicant claims ownership of Registration No. 509,235.

FOR COMBINATION MAGNIFYING GLASS AND SHOT-HOLE GAUGE, COMMONLY KNOWN AS A PLUG SCORING BULLET GAUGE, FOR DETERMINING THE VALUE OF A RIFLE OR PISTOL SHOT WHICH HAS PIERCED A TARGET SUBSTANTIALLY TANGENT TO A SCORING RING.

Claims use since May 26, 1948.

Ser. No. 567,702. KEYSTONE VIEW COMPANY, Meadville, Pa. Filed Oct. 27, 1948. (Sec. 2f.)

CORRECT-EYE-SCOPE

FOR STEREOSCOPIC INSTRUMENT FOR CHIROSCOPIC TRAINING.

Claims use since May 1, 1932.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 554,718. D. A. SCHULTE, INC., New York, N. Y. Filed Apr. 15, 1948. (Sec. 2f.)

LEEDS

Applicant claims ownership of Registrations Nos. 367,511 and 367,512.

FOR WATCHES AND CLOCKS.

Claims use since May 28, 1938, on watches; and since Aug. 19, 1938, on clocks.

Ser. No. 562,142. A. HIRSCH CO., Chicago, Ill. Filed July 24, 1948.

HIRCO

FOR WATCHES AND CLOCKS.

Claims use since January 1917.

Ser. No. 568,786. MONTRES BELVU S. A., Berne, Switzerland. Filed Aug. 20, 1948.

BELVU

Applicant claims ownership of Swiss Registration No. 120,280, dated June 9, 1947.

FOR POCKET WATCHES AND WRIST WATCHES OF ALL TYPES AND OF ALL METALS, DIALS, AND PARTS OF WATCHES.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 577,760. W & H JEWELRY COMPANY, INC., Providence, R. I. Filed Apr. 26, 1949.

Leading Lady

FOR LADIES' JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, PENDANTS, FINGER RINGS, SCATTER PINS, BREAST PINS, LAPEL PINS, AND WATCH BRACELETS, ALL THE FOREGOING BEING MADE IN WHOLE, IN PART OF, OR PLATED WITH, PRECIOUS METAL.

Claims use since June 1, 1940.

Ser. No. 578,324. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed May 6, 1949.

YOUNG AMERICA

Applicant claims ownership of Registration No. 507,783.

FOR FLATWARE AND HOLLOW WARE OF STERLING SILVER.

Claims use since Jan. 24, 1949.

Ser. No. 582,411. BRUNER-RITTER, INC., New York, N. Y. Filed July 23, 1949.

"Leading Lady"

FOR BRACELETS, WRIST WATCH BRACELETS.

Claims use since Apr. 25, 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 557,947. NOVADEL-AGENE CORPORATION, Belleville, N. J. Filed May 27, 1948. (Sec. 2f.)

Kooler Keg

Applicant claims ownership of Registration No. 342,802.

FOR BEER COOLING APPARATUS.

Claims use since September 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 558,569. MAGIC MIRROR ASSOCIATES, INC., New York, N. Y. Filed June 5, 1948.

MAGIC MIRROR

The word "Mirror" is disclaimed.

FOR COMBINATION TRANSPARENT MIRROR AND DOOR WICKET.

Claims use since Nov. 22, 1946.

Ser. No. 558,570. MAGIC MIRROR ASSOCIATES, INC., New York, N. Y. Filed June 5, 1948.

MAGIC MIRROR
DOOR DETECTIVE

No trade-mark rights are sought in the words "Mirror" and "Door" when used apart from the mark as shown.

FOR COMBINATION TRANSPARENT MIRROR AND DOOR WICKET.

Claims use since Oct. 23, 1947.

Ser. No. 559,248. THE ROLL FORMING COMPANY, Fullerton, Calif. Filed June 15, 1948.

BALBOA

FOR CHROME FURNITURE—NAMELY, KITCHEN AND DINETTE TABLES AND CHAIRS, KITCHEN STOOLS, SETTEES, END TABLES, COCKTAIL TABLES, AND CORNER TABLES.

Claims use since Apr. 5, 1946.

Ser. No. 565,715. NORTHOME FURNITURE INDUSTRIES, INC., Dubuque, Iowa. Filed Sept. 23, 1948.



The representation of the chair is disclaimed. Applicant claims ownership of Registrations Nos. 334,882 and 270,387.

FOR UPHOLSTERED FURNITURE—NAMELY, UPHOLSTERED DAVENPORTS, UPHOLSTERED LOUNGE CHAIRS, UPHOLSTERED OCCASIONAL CHAIRS, AND UPHOLSTERED SOFA BEDS.

Claims use since Aug. 25, 1948.

Ser. No. 569,974. HUNTER DOUGLAS CORPORATION, New York, N. Y. Filed Dec. 4, 1948.

MIRRALUM

FOR VENETIAN BLINDS.

Claims use since Nov. 24, 1948.

Ser. No. 570,993. THAYER, INC., Gardner, Mass. Filed Dec. 22, 1948.

GRO-UP GROUP

The word "Group" is disclaimed.

FOR JUVENILE FURNITURE — NAMELY, HIGH CHAIRS, CRIBS, CHESTS, AND BOOKCASES.

Claims use since Dec. 7, 1948.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 536,363. AMERICAN GAS ASSOCIATION, INC., New York, N. Y. Filed Oct. 6, 1947. CERTIFICATION MARK.



The mark comprises the joined letters "AGA."
FOR GAS HEATING APPARATUS AND APPLIANCES AND PARTS THEREFOR INCLUDING GAS CONVERSION BURNERS, AUTOMATIC GAS PILOTS, ATTACHABLE GAS WATER HEATING UNITS, AND THE FOLLOWING APPLIANCES FOR USE IN CONNECTION WITH GAS BURNING EQUIPMENT, VIZ.: CONTROL VALVES, PRESSURE AND VACUUM RELIEF VALVES FOR GAS WATER HEATING SYSTEMS, AUTOMATIC GAS CONTROL VALVES AND PRESSURE REGULATORS, DRAFT HOODS, AND LOW WATER CUT-OFF DEVICES.
Claims use since 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 543,395. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 5, 1947. (Sec. 2f.)

PRECISION

FOR LEATHER BELTING.
Claims use since 1939.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 502,270. CONOVER-CABLE PIANO CO., Chicago, Ill. Original filed, act of 1905, May 17, 1946; amended to application under act of 1946, Principal Register, May 12, 1948.

Conover

FOR PIANOS.
Claims use since Mar. 22, 1932.

Ser. No. 534,440. HUMES & BERG MFG. CO., INC., Chicago, Ill. Filed Sept. 13, 1947. (Sec. 2f.)



FOR MUSIC STANDS.
Claims use since February 1942.

Ser. No. 540,002. BOB WEST GUITAR COMPANY, Chicago, Ill. Filed Nov. 3, 1947.

Bob West

The name "Bob West" is fictitious.
FOR GUITARS.
Claims use since Mar. 18, 1947.

Ser. No. 549,059. DECCA RECORDS, INC., New York, N. Y. Filed Feb. 7, 1948.

DECCATONE

The word "Tone" is disclaimed.
Applicant claims ownership of Registrations Nos. 115,901, 398,404, 400,537, 407,975, and 407,976.
FOR PHONOGRAPH NEEDLES.
Claims use since May 29, 1947.

Ser. No. 549,424. DECCA RECORDS, INC., New York, N. Y. Filed Feb. 11, 1948.

DECCA

Applicant claims ownership of Registrations Nos. 407,975 and 407,976.
FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Jan. 22, 1947.

Ser. No. 563,848. WILLIAM A. LINDQUIST, doing business as Wm. Anderson Piano Co., Minneapolis, Minn. Filed Aug. 13, 1948. (Sec. 2f.)

Anderson

As used by applicant, the name "Wm. Anderson" does not identify any particular living person.
FOR PIANOS.
Claims use since 1912.

Ser. No. 570,175. B. ALTMAN & CO., New York, N. Y. Filed Dec. 8, 1948.

B&A

FOR NON-ELECTRIC PHONOGRAPHS, PHONOGRAPH NEEDLES, GROOVED PHONOGRAPH RECORDS, AND ALBUMS THEREFOR.
Claims use since 1915.

Ser. No. 571,470. SPADE RECORD CO., Newark, N. J. Filed Dec. 31, 1948.

UPTOWN

FOR GROOVED PHONOGRAPH RECORDS.
Claims use since Nov. 20, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 519,681. MONTAG BROTHERS, INC., Atlanta, Ga. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Feb. 13, 1948.



FOR WRITING PAPER.
Claims use since 1923.

Ser. No. 526,158. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Nov. 10, 1948.

WINONA

FOR PAPER TABLETS AND LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES OR BANDED.
Claims use since 1897.

Ser. No. 534,244. COLUMBIA ART WORKS, INC., Milwaukee, Wis. Filed Sept. 12, 1947. (Sec. 2f.)

TEARKLEEN

FOR COMBINATION CALENDAR AND MEMO PADS.
Claims use since January 1915.

Ser. No. 561,133. GEORGES MONNET, New York, N. Y. Filed July 10, 1948.

FLOAT-STYLE

The word "Style" is disclaimed apart from the mark as shown.
FOR PENS AND PENCILS.
Claims use since June 10, 1948.

Ser. No. 568,979. PETER J. SCHWEITZER, INC., New York, N. Y. Filed Nov. 17, 1948.



The drawing is lined for shading only.
FOR CIGARETTE PAPER SOLD IN THE FORM OF CONTINUOUS STRIPS.
Claims use since Nov. 5, 1948.

Ser. No. 572,503. THE JOLIET WALL PAPER MILLS, Joliet, Ill. Filed Jan. 21, 1949.

BEAUX-ARTS

FOR WALL PAPER.
Claims use since Sept. 15, 1948.

Ser. No. 572,654. GURNEY SECURITY PAPER COMPANY, Brooklyn, N. Y. Filed Jan. 24, 1949.



FOR SAFETY PAPER SUCH AS IS USED FOR CHECKS, DRAFTS, AND ALL VOUCHERS OF VALUE.
Claims use since Oct. 1, 1919.

Ser. No. 573,179. IMPERIAL PAPER AND COLOR CORPORATION, Glens Falls, N. Y. Filed Feb. 2, 1949.

Glendura
SOIL-PROOF WALLCOVERING
by IMPERIAL

The words "Soil-Proof Wallcovering" are disclaimed. Applicant claims ownership of Registration No. 438,248.
FOR WALLPAPERS.
Claims use since Jan. 3, 1949.

Ser. No. 573,180. IMPERIAL PAPER AND COLOR CORPORATION, Glens Falls, N. Y. Filed Feb. 2, 1949.

GLENCRAFT

FOR WALLPAPERS.
Claims use since July 1933.

Ser. No. 573,262. PRUDENTIAL PAPER PRODUCTS CO., INC., New York, N. Y. Filed Feb. 3, 1949.



The figure is a fanciful representation of an artist, and indicates no living person.
FOR PAPER TABLETS.
Claims use since Jan. 10, 1949.

Ser. No. 573,682. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 10, 1949.



FOR WALLPAPER.
Claims use since January 1942.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 530,730. GENERAL MILLS, INC., Minneapolis, Minn. Filed Aug. 7, 1947.

JACK ARMSTRONG

The mark "Jack Armstrong" is the name of a fictitious character.
FOR COMIC STRIPS.
Claims use since June 1947.

Ser. No. 533,342. MEEHANITE METAL CORPORATION, Chattanooga, Tenn., and New Rochelle, N. Y. Filed Sept. 4, 1947.

MEEHANITE

FOR PUBLICATION PUBLISHED FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO ENGINEERING SALES AND SERVICE DATA OF METALLURGY AND PARTICULARLY OF APPLICANT'S CAST IRON CASTINGS AND PRODUCTS.
Claims use since Aug. 9, 1927.

Ser. No. 537,336. THE MEYERCORD COMPANY, Chicago, Ill. Filed Oct. 9, 1947.

Kalasign

FOR DECALCOMANIA TRANSFERS AND ADVERTISING CARDS AND PLACARDS USED FOR COUNTER AND WINDOW DISPLAYS AND SIMILAR PURPOSES, SOLD AS SUCH.
Claims use since Mar. 5, 1936.

Ser. No. 567,456. FAIRCHILD PUBLICATIONS, INC., New York, N. Y. Filed Oct. 22, 1948.

Retailing Daily

The word "Daily" is disclaimed. Applicant claims ownership of Registration No. 248,578.
FOR DAILY NEWSPAPER.
Claims use since June 1, 1948.

Ser. No. 572,796. CURT TEICH & COMPANY, Chicago, Ill. Filed Jan. 22, 1949. (Sec. 2f.)

BLUETONE

FOR POST CARDS AND PACKAGES OF SOUVENIR SCENIC PHOTOGRAPHS.
Claims use since 1907.

Ser. No. 572,797. CURT TEICH & COMPANY, Chicago, Ill. Filed Jan. 22, 1949. (Sec. 2f.)

PHOTOCHROM

Applicant claims ownership of Registration No. 380,001.
FOR POST CARDS AND PICTORIAL ILLUSTRATIONS.
Claims use since Dec. 1, 1939.

Ser. No. 572,976. THE INDEX NUMBER INSTITUTE, INC., New York, N. Y. Filed Jan. 28, 1949. (Sec. 2f.)

ECONOMIC MEASURES

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since 1938.

Ser. No. 573,016. THE VENDO COMPANY, Kansas City, Mo. Filed Jan. 28, 1949.

RED TOP *Views*

FOR PUBLICATION IN THE NATURE OF A MAGAZINE ISSUED BI-MONTHLY.
Claims use since Jan. 12, 1949.

Ser. No. 573,037. THE HEARST CORPORATION, New York, N. Y. Filed Jan. 29, 1949.

THE FLOP FAMILY

FOR SERIES OF CARTOONS OR COMIC STRIPS.
Claims use since May 1, 1944.

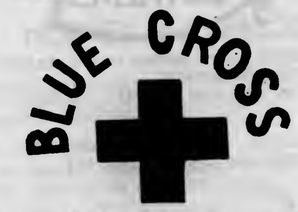
Ser. No. 573,070. PAUL BARRETT, doing business as Paul Barrett Music, San Francisco, Calif. Filed Jan. 31, 1949.

SU-PER-FU-CIOUS

FOR SHEET MUSIC.
Claims use since Jan. 5, 1949.

CLASS 39
CLOTHING

Ser. No. 481,346. THE UNITED STATES SHOE CORPORATION, Cincinnati, Ohio. Original filed, act of 1905, Mar. 26, 1945; amended to application under act of 1946, Principal Register, Dec. 13, 1947. (Sec. 2f.)



FOR LADIES' SHOES MADE OF LEATHER, OR LEATHER COMBINED WITH OTHER MATERIALS SUCH AS FABRIC, ARTIFICIAL LEATHER, AND THE LIKE.
Claims use since June 15, 1936, on the words "Blue Cross"; and since Nov. 9, 1943, on the mark as shown.

Ser. No. 511,814. INNES HENDERSON AND COMPANY LIMITED, Hawick, Scotland. Original filed, act of 1905, Oct. 31, 1946; amended to application under act of 1946, Principal Register, June 3, 1948.



Applicant claims ownership of British Registrations Nos. 577,247, dated May 18, 1947, and 582,092, dated Dec. 14, 1937, and U. S. Registrations Nos. 201,334 and 509,216.
FOR KNITTED UNDERWEAR, JACKETS, SWEATERS, HOSE, AND HALF HOSE FOR MEN; KNITTED UNDERWEAR, JUMPERS, CARDIGANS, SUITS, AND

SKIRTS FOR WOMEN; KNITTED UNDERWEAR, JERSEYS, CARDIGANS, JERSEY SUITS, AND HOSE FOR BOYS; KNITTED UNDERWEAR, JERSEYS, JUMPERS, AND CARDIGANS FOR GIRLS.

Ser. No. 529,637. GOLDSMITH CLOTHING COMPANY, St. Louis, Mo. Filed July 26, 1947.

Dash & Spur

FOR MEN'S AND YOUNG MEN'S SPORT COATS AND SPORT SLACKS.
Claims use since February 1921.

Ser. No. 537,971. BOYERTOWN SHOE CORP., Boyertown, Pa. Filed Oct. 16, 1947.

CHILDRENS DELIGHT TRUSHU BUILT JUST RIGHT

The words "Childrens Delight Built Just Right" are disclaimed.
FOR CHILDREN'S, INFANTS', MISSES', WOMEN'S, MEN'S SHOES, MADE OF LEATHER, FABRIC, CANVAS, OR COMBINATIONS THEREOF.
Claims use since September 1945.

Ser. No. 539,053. HANDLER & GOODMAN, New York, N. Y. Filed Oct. 25, 1947.

Relmar

FOR MEN'S SUITS, SPORT COATS, SLACKS, TOP COATS, AND OVERCOATS.
Claims use since June 30, 1947.

Ser. No. 545,138. M.K.M. HOSIERY MILLS, INC., Boston, Mass. Filed Dec. 22, 1947. (Sec. 2f.)

SPIRALTWIST

Applicant claims ownership of Registration No. 379,502.
FOR HOSIERY.
Claims use since June 14, 1938.

Ser. No. 547,015. M.K.M. HOSIERY MILLS, INC., Boston, Mass. Filed Jan. 14, 1948. (Sec. 2f.)

Toe-Strong

The drawing is lined to represent the colors gold and blue.
FOR HOSIERY.
Claims use since May 1, 1924.

Ser. No. 548,697. SILVER-REICH-COHN, New York, N. Y. Filed Feb. 3, 1948.

SIRECO

FOR WOMEN'S HOSIERY AND UNDERWEAR.
Claims use since Sept. 1, 1947.

Ser. No. 550,097. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 18, 1948.

Pilgrim

Applicant claims ownership of Registrations Nos. 143,743, 271,373, 97,083, 278,239, and 166,690.
FOR MEN'S CLOTHING—NAMELY, GROUP A—SOCKS; GROUP B—UNDERWEAR—NAMELY, SHIRTS, BRIEFS, SHORTS, DRAWERS, UNIONSUITS; GROUP C—SWEATERS; GROUP D—SHIRTS, PAJAMAS, NIGHTSHIRTS; GROUP E—HATS, CAPS; GROUP F—GLOVES, MITTENS, BELTS, NECKTIES, SWIM TRUNKS; GROUP G—ROBES, GARTERS, MUFFLERS, TIES, SUSPENDERS; AND GROUP H—HANDKERCHIEFS.
Claims use on group A since Nov. 10, 1905; group B since Dec. 31, 1913; group C since Sept. 8, 1920; group D since July 1923; group E since May 21, 1930; group F since Jan. 15, 1946; group G since July 15, 1946; and on group H since Oct. 27, 1947.

Ser. No. 551,941. CHADBOURN HOSIERY MILLS, INCORPORATED, Charlotte, N. C. Filed Mar. 15, 1948. (Sec. 2f as to "Vamp-Toe.")

Larkwood VAMP-TOE

Applicant claims ownership of Registrations Nos. 249,750, 253,162, 334,996, and 353,951.
FOR HOSIERY.
Claims use since Mar. 19, 1926.

Ser. No. 551,942. CHADBOURN HOSIERY MILLS, INCORPORATED, Charlotte, N. C. Filed Mar. 15, 1948. (Sec. 2f.)

VAMP - TOE

Applicant claims ownership of Registrations Nos. 252,234 and 253,162.
FOR HOSIERY.
Claims use since Mar. 19, 1926.

Ser. No. 553,964. KAMBER & MASKET, INC., New York, N. Y. Filed Apr. 6, 1948.

a Fran Maqué

The mark is fanciful anud applicant knows of no one whose name is "Fran Maqué."
FOR INFANTS' WEAR—NAMELY, OUTER SHORTS, SLACKS, OVERALLS, SUNSUITS, SHIRTED JACKETS, OUTER SHIRTS, BLOUSES, AND TWO-PIECE SUITS; CHILDREN'S WEAR—NAMELY, OUTER SHORTS, SLACKS, PEDAL PUSHERS, TWO-PIECE SUITS, JUMPERS, SHIRTED JACKETS, OUTER SHIRTS, BLOUSES, SKIRTS, JACKETS, VESTEES, AND SUNSUITS; GIRLS' WEAR—NAMELY, OUTER SHORTS, SLACKS, PEDAL PUSHERS, TWO-PIECE SUITS, JUMPERS, SHIRTED JACKETS, SKIRTS, OUTER SHIRTS, BLOUSES, JACKETS, VESTS, BRAS; LADIES' WEAR—NAMELY, SLACK SUITS, OUTER SHORTS, SLACKS, PEDAL PUSHERS, TWO-PIECE SUITS, JUMPERS, SHIRTED JACKETS, OUTER SHIRTS, BLOUSES, SKIRTS, JACKETS, VESTS, BRAS, AND DRESSES; AND FOR LADIES' MATERNITY WEAR—NAMELY, OUTER SHORTS, SLACKS, TWO-PIECE SUITS, SLACK SUITS, JUMPERS, DRESSES, SKIRTS, AND JACKETS.
Claims use since August 1946.

Ser. No. 554,218. ESQUIRE SPORTSWEAR, INC., New York, N. Y., assignor to Esquire Sportswear Co., New York, N. Y., a co-partnership. Filed Apr. 9, 1948.

CHICO

FOR SLACKS FOR MEN AND YOUNG MEN.
Claims use since Mar. 1, 1947.

Ser. No. 554,845. ACECRAFT SHIRTS, INC., New York, N. Y. Filed Apr. 12, 1948.

FOUR ACES by Acecraft

Applicant claims ownership of Registrations Nos. 362,603, 396,575, and 440,737.
FOR MEN'S AND BOYS' SHORTS; DRESS, NEGLIGEE, SPORT, AND WORK UNDER AND OUTER SHIRTS, JACKETS AND COATS.
Claims use since June 27, 1947.

Ser. No. 554,346. ACECRAFT SHIRTS, INC., New York, N. Y. Filed Apr. 12, 1948.

Royal FLUSH by Acecraft

Applicant claims ownership of Registrations Nos. 362,603, 396,575, and 440,738.
FOR MEN'S AND BOYS' SHORTS; DRESS, NEGLIGEE, SPORT, AND WORK UNDER AND OUTER SHIRTS, JACKETS AND COATS.
Claims use since July 17, 1947.

Ser. No. 554,437. DON L. STERLING, Dallas, Tex. Filed Apr. 12, 1948.

fancy Tie

The word "Tie" is disclaimed.
FOR NECKWEAR TO BE WORN IN THE PLACE OF A NECKTIE.
Claims use since Mar. 19, 1948.

Ser. No. 554,669. HOOVER HOSIERY COMPANY, Concord, N. C. Filed Apr. 15, 1948. (Sec. 2f.)

HOOVER of CONCORD

Applicant claims ownership of Registration No. 149,114.
FOR HOSIERY.
Claims use since June 1938.

Ser. No. 554,732. THOMPSON BROS. SHOE CO., Brockton, Mass. Filed Apr. 15, 1948. (Sec. 2f.)

"Decidedly Thompson"

Applicant claims ownership of Registration No. 221,383.
FOR BOOTS AND SHOES.
Claims use since Mar. 12, 1924.

Ser. No. 556,488. THE SERVUS RUBBER COMPANY, Rock Island, Ill. Filed May 7, 1948.

SNAGS

Applicant claims ownership of Registrations Nos. 25,487, 25,488, 48,108, and 48,109.
FOR CANVAS RUBBER SOLED SHOES.
Claims use since November 1929.

Ser. No. 556,681. TURRELL SHOE COMPANY, Seattle, Wash. Filed Jan. 2, 1948.

Johnny Walker

Applicant claims ownership of Registration No. 176,348.
FOR LEATHER SHOES.
Claims use since Aug. 19, 1922.

Ser. No. 559,371. F. JACOBSON & SONS, INC., New York, N. Y. Filed Jan. 2, 1948.

WHITEHALL

Applicant claims ownership of Registration No. 204,370.
FOR HANDKERCHIEFS.
Claims use since Oct. 13, 1921.

Ser. No. 562,037. ROBERT W. HART, trading as Rohart, Arlington, Va. Filed July 23, 1948.

DROWSERS by Rohart

FOR MEN'S PAJAMAS, SLACKS, TROUSERS, AND OUTER SHIRTS AND UNDER SHIRTS.
Claims use since July 12, 1948.

Ser. No. 562,277. THE SERVUS RUBBER COMPANY, Rock Island, Ill. Filed July 27, 1948. (Sec. 2f.)

SWAG-PROOF

The drawing is lined for the color green. Applicant claims ownership of Registrations Nos. 14,113 and 115,892.
FOR RUBBER BOOTS AND SHOES.
Claims use since about December 1886.

Ser. No. 562,874. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind. Filed Aug. 5, 1948.

INVISO-FILM

The term "Film" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 364,092.
FOR HOSIERY.
Claims use since June 17, 1948.

Ser. No. 563,361. PREMIER KNITTING CO., INC., New York, N. Y. Filed Aug. 13, 1948.

Premier-FLUFF

FOR LADIES' SWEATERS AND SWEATER ENSEMBLES COMPRISING A SLIP-ON SWEATER AND AN OPEN COAT SWEATER.
Claims use since Mar. 15, 1948.

Ser. No. 563,708. J. M. WISH COMPANY, New York, N. Y. Filed Aug. 18, 1948.

Liteclad

Applicant claims ownership of Registration No. 248,099.
FOR MEN'S AND BOYS' ROBES TO BE USED AS BATH, BEACH, AND LOUNGING ROBES.
Claims use since Feb. 6, 1928.

Ser. No. 564,319. CATALINA, INC., Los Angeles, Calif. Filed Aug. 28, 1948.

Catalina CONVERTIBLES

The word "Convertibles" is disclaimed. Applicant claims ownership of Registrations Nos. 254,957, 417,845, and 418,919.
FOR SWIM SUITS AND SWEATERS.
Claims use since June 23, 1948.

Ser. No. 564,393. WM. F. MÜLLER, INC., Wyomissing, Pa. Filed Aug. 30, 1948.

Modern Grace

Applicant claims ownership of Registration No. 283,716.
FOR HOSIERY.
Claims use since Sept. 4, 1930.

Ser. No. 564,890. MODELLA MANUFACTURING CORPORATION, Portchester, N. Y. Filed Sept. 9, 1948.

Sleepy-Bye

FOR CHILDREN'S SLEEPING GARMENTS—NAMELY, SLEEPING BAGS.
Claims use since July 19, 1948.

Ser. No. 565,226. BRILLIANT BLOUSES, INC., New York, N. Y. Filed Sept. 16, 1948.

BRILLIANT TEENS

The word "Teens" is disclaimed apart from the mark as shown.
FOR OUTER APPAREL GARMENTS FOR CHILDREN AND MISSES—NAMELY, BLOUSES, JACKETS, SKIRTS, DRESSES, SWEATERS, AND COATS.
Claims use since May 30, 1948.

Ser. No. 565,319. DAVID CRYSTAL, INC., New York, N. Y. Filed Sept. 17, 1948.

SUN GOD

FOR MEN'S OUTER SHIRTS.
Claims use since March 1948.

Ser. No. 565,909. CAROLINA MANUFACTURING COMPANY, Greenville, S. C. Filed Sept. 27, 1948.



FOR HANDKERCHIEFS.
Claims use since Sept. 2, 1948.

Ser. No. 566,052. GEORGE TINGEY & CO., LIMITED, Manchester, England. Filed Sept. 28, 1948.

NUVOLA

FOR OUTER AND UNDER SHIRTS FOR USE OF MEN, WOMEN, BOYS, AND GIRLS, BLOUSES, PYJAMAS, UNDERPANTS AND UNDERVESTS.
Claims use since Jan. 1, 1929 in Great Britain.

Ser. No. 568,549. SEYMOUR TROY, New York, N. Y. Filed Nov. 10, 1948.
Applicant claims ownership of Registration No. 436,530.

GAY Troylings

FOR LADIES' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since January 1948.

Ser. No. 568,584. CHICAGO EYE SHIELD COMPANY, Chicago, Ill. Filed Nov. 12, 1948.



FOR PROTECTIVE EQUIPMENT FOR PROTECTING WORKMEN IN INDUSTRY CONSISTING OF LEGGINGS, APRONS, SUITS, SPATS, ARM SLEEVES, AND GLOVES MADE OF ASBESTOS, LEATHER, RUBBER, PLASTIC, OR FIREPROOFED DUCK OR CANVAS, AND SAFETY HATS, AND SAFETY SHOE GUARDS.
Claims use since Apr. 25, 1945.

Ser. No. 569,376. GREENTREE'S, Richmond, Va. Filed Nov. 24, 1948.

Chillil

FOR MEN'S SUITS.
Claims use since Oct. 22, 1948.

Ser. No. 569,425. BAKER CLOTHES INCORPORATED, Philadelphia, Pa. Filed Nov. 26, 1948.

Tropicair

Applicant claims ownership of Registration No. 256,030.
FOR MEN'S COATS, TROUSERS, VESTS, AND OVERCOATS.
Claims use since Sept. 1, 1928.

Ser. No. 569,573. SHOE CORPORATION OF AMERICA, Columbus, Ohio. Filed Nov. 29, 1948. (Sec. 2f.)

MONTE CARLO

FOR SHOES.
Claims use since 1935.

Ser. No. 569,574. SHOE CORPORATION OF AMERICA, Columbus, Ohio. Filed Nov. 29, 1948.

POLAR BEAR

FOR SHOES.
Claims use since Sept. 28, 1948.

Ser. No. 569,877. HARRY F. MEYER, INC., New York, N. Y. Filed Dec. 3, 1948.

LA ROSE

The drawing is lined for the colors red, green and silver.
FOR HANDKERCHIEFS.
Claims use since Oct. 18, 1948.

Ser. No. 569,997. SANSON HOSIERY MILLS, INC., Darby, Pa. Filed Dec. 4, 1948.

Picturesque

FOR HOSIERY.
Claims use since Nov. 24, 1948.

Ser. No. 570,020. F. JACOBSON & SONS, INC., New York, N. Y. Filed Oct. 15, 1948.

STREETFIELD

Applicant claims ownership of Registration No. 423,286.
FOR COLLARS, AND MEN'S, WOMEN'S, AND BOYS'. DRESS, NEGLIGEE, AND SPORT SHIRTS.
Claims use since Nov. 2, 1945.

Ser. No. 570,192. DIXDALE HOSIERY MILLS, Lansdale, Pa. Filed Dec. 8, 1948.

Wearsheer

FOR HOSIERY.
Claims use since Nov. 8, 1948.

Ser. No. 570,302. HOSIERY CRAFTSMEN, Sinking Spring, Pa. Filed Dec. 10, 1948.

Spring Crest

FOR WOMEN'S HOSIERY.
Claims use since Apr. 1, 1947.

Ser. No. 570,797. SPECTATOR SPORTSWEAR COMPANY, Chicago, Ill. Filed Dec. 18, 1948.

Marauder

FOR MEN'S SPORT-SHIRTS AND DRESS SHIRTS.
Claims use since Feb. 2, 1948.

Ser. No. 571,201. COLOR COORDINATORS, LTD., New York, N. Y., assignor, by mesne assignments, to Johnson City Mills, Johnson City, Tenn., a corporation of Tennessee. Filed Dec. 28, 1948.

Wynwood

FOR LADIES' HOSIERY.
Claims use since Nov. 22, 1948.

Ser. No. 571,241. TRIO SHOE CO. INC., Brooklyn, N. Y. Filed Dec. 28, 1948.

Natural Stride

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SLIPPERS.
Claims use since August 1948.

Ser. No. 571,433. KRAMER BROS., INC., Philadelphia, Pa. Filed Dec. 31, 1948.

FOR HOSIERY.
Claims use since March 1938.

Ser. No. 571,452. ADOLPH MOSEN, doing business as Bestlyne Co., New York, N. Y. Filed Dec. 31, 1948.

Aquaskin

FOR BATHING SUITS.
Claims use since Oct. 1, 1948.

Ser. No. 571,616. MARILANE LINGERIE, INC., New York, N. Y. Filed Jan. 4, 1949.

PANTYCOAT

FOR MISSES' AND CHILDREN'S PETTICOATS, PANTIES, AND COMBINATION PETTICOATS AND PANTIES.
Claims use since Oct. 1, 1947.

Ser. No. 571,668. SHOE CORPORATION OF AMERICA, Columbus, Ohio. Filed Jan. 5, 1949.

Television PALS

FOR SHOES.
Claims use since Dec. 16, 1948.

Ser. No. 571,747. SAMETTE MFG. COMPANY, INC., Allentown, Pa. Filed Jan. 6, 1949.

Social Security

FOR LADIES' AND MISSES' SLIPS, PETTICOATS, AND NIGHTGOWNS.
Claims use since Dec. 1, 1947.

Ser. No. 572,094. IRVING FOX, doing business as Hollywood Youth, Los Angeles, Calif. Filed Jan. 13, 1949.

Little Em

FOR PANTY-GIRDLES.
Claims use since Oct. 15, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 564,295. J. SEMLER, London, England. Filed Aug. 27, 1948.

VENTEX

Applicant claims ownership of British Registration No. 520,949, dated Mar. 6, 1931.
FOR WOOLEN AND WORSTED PIECE GOODS.

Ser. No. 565,664. UNITED ELASTIC CORPORATION, Easthampton, Mass. Filed Sept. 22, 1948.

ANCHORTEX

FOR WOVEN NON-ELASTIC GARMENT WEBBING CARRYING ONE OR MORE GROUPS OF BARE ELASTIC STRANDS ARRANGED IN ROWS AND INTERWOVEN WITH THE YARNS OF THE WEBBING, THE ELASTIC STRANDS BEING EXPOSED ON THE SURFACE OF THE WEBBING, SOLD IN BULK TO THE CLOTHING TRADE.
Claims use since Apr. 18, 1947.

Ser. No. 569,753. HOME CURTAIN CORP., Far Rockaway, N. Y. Filed Dec. 2, 1948.

REDI-CROSS

FOR WINDOW CURTAINS.
Claims use since May 3, 1948.

Ser. No. 571,314. ARCOLA FABRICS CORP., New York, N. Y. Filed Dec. 30, 1948.

AR-MELINDA

FOR RAYON FABRICS IN THE PIECE.
Claims use since Nov. 1, 1948.

Ser. No. 579,044. MOHAWK CARPET MILLS, INC., Amsterdam, N. Y. Filed May 18, 1949.

ROYAL VICTORY

FOR TEXTILE, WOVEN, WOOLEN RUGS AND CARPETS.
Claims use since Jan. 8, 1939.

Ser. No. 579,385. A-Q MILLS, INC., Timmonsville, S. C. Filed May 24, 1949.

NYLAQ

Applicant claims ownership of Registration No. 406,144.
FOR FABRICS IN THE PIECE MADE OF WOOL, WORSTED, SILK, COTTON, LINEN, OR RAYON, OR ANY COMBINATION THEREOF.
Claims use since Feb. 19, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 559,878. TIMOTHY F. BREWER, Hartford, Conn. Filed June 21, 1948.

PHON ASEPTIC

FOR AUXILIARY CAPS FOR TELEPHONE MOUTH PIECES AND REPLACEABLE GERMICIDAL DISKS THEREFORE.
Claims use since Jan. 14, 1948.

Ser. No. 563,637. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Aug. 17, 1948.

INSUFFLETTE

FOR DISPENSER, MORE PARTICULARLY A COMPRESSIBLE TUBE FOR THE DISPENSING OF MEDICINE IN POWDERED FORM.
Claims use since July 16, 1948.

Ser. No. 563,638. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Aug. 17, 1948.

PUFFETTE

FOR DISPENSER, MORE PARTICULARLY A COMPRESSIBLE TUBE FOR THE DISPENSING OF MEDICINE IN POWDERED FORM.
Claims use since July 16, 1948.

Ser. No. 566,115. BAKER & COMPANY, INCORPORATED, Newark, N. J. Filed Sept. 30, 1948.

PUM-ROUGE

The word "Rouge" is disclaimed apart from the mark as shown.
FOR DENTAL WHEELS.
Claims use since July 15, 1948.

Ser. No. 566,589. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Oct. 7, 1948.

ADAPTICA

Applicant claims ownership of Registration No. 213,391.
FOR BANDAGES FOR MEDICAL AND SURGICAL USE.
Claims use since Dec. 23, 1925.

Ser. No. 566,591. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Oct. 7, 1948.

CEL-U-ROL

Applicant claims ownership of Registration No. 317,730.
FOR ABSORBENT CELLULOSE FOR DENTAL, MEDICAL, AND SURGICAL USE.
Claims use since Apr. 24, 1933.

Ser. No. 566,596. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Oct. 7, 1948.

"Especialista"

Applicant claims ownership of Registration No. 271,368.
FOR BANDAGES, IN SHEET, ROLL, AND STRIP FORM, FOR MEDICAL AND SURGICAL USES, AND SPLINTS.
Claims use since Jan. 11, 1935.

Ser. No. 566,646. PERSONAL PRODUCTS CORPORATION, North Brunswick Township, N. J. Filed Oct. 7, 1948.

Modess

Applicant claims ownership of Registrations Nos. 215,220 and 407,150.
FOR SANITARY BELTS.
Claims use since December 1945.

Ser. No. 566,921. H. G. DIVELBY INDUSTRIES, INC., Colorado Springs, Colo. Filed Oct. 13, 1948.

Twix

FOR CHEMICALLY TREATED TISSUE FOR CLEANING TEETH BY DIRECT APPLICATION THERETO.
Claims use since Aug. 15, 1948.

Ser. No. 569,918. VAPONEFRIN COMPANY, Portland, Oreg., assignor to A. C. Bonebrake and J. Warren Smith, copartners, doing business as Vapo-Efrin Company, Vancouver, Wash. Filed Dec. 3, 1948.

VAPONEFRIN

Applicant claims ownership of Registration No. 336,962.
FOR NEBULIZERS, AEROSOL MASKS, APPARATUS FOR THE ADMINISTRATION OF ANTI-BIOTIC AEROSOLS, DIAPHRAGM PUMPS, FOR USE WITH SAID APPARATUS, AND REPLACEMENT PARTS FOR SAID APPARATUS.
Claims use since Sept. 5, 1935.

Ser. No. 571,285. THE MOTLOID COMPANY, Chicago, Ill. Filed Dec. 29, 1948.

Moldpac

FOR ACRYLIC DENTURE REPAIR MATERIAL.
Claims use since Sept. 9, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 570,182. B. ALTMAN & CO., New York, N. Y. Filed Dec. 8, 1948.

B&A

FOR POWDERS, CONCENTRATES, AND SIRUPS FOR MAKING NON-ALCOHOLIC MALTLESS SOFT DRINK BEVERAGES; GRAPE JUICE, AND CARBONATED WATER.
Claims use since 1915.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 508,784. MARGARET BURNHAM'S INC., Oakland, Calif. Original filed, act of 1905, Sept. 10, 1946; amended to application under act of 1946, Principal Register, Mar. 24, 1948. (Sec. 2f.)

Margaret Burnham's

The name "Margaret Burnham" is not the name of any known living individual.
FOR CANDY.
Claims use since November 1921.

Ser. No. 514,922. THE WINORR CANNING COMPANY, Circleville, Ohio. Original filed, act of 1905, Dec. 27, 1946; amended to application under act of 1946, Principal Register, Nov. 14, 1947.

GOOD WILL

FOR CANNED PEAS, CANNED CORN, CANNED STRING BEANS, CANNED SUCCOTASH, CANNED PUMPKIN, CANNED TOMATOES, CANNED TOMATO JUICE, CANNED BEETS, CANNED LIMA BEANS.
Claims use since Apr. 23, 1912.

Ser. No. 520,187. SCHULTZ, BAUJAN & CO., Beardstown, Ill. Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Principal Register, June 11, 1948. (Sec. 2f.)

BAKE-LITE

FOR WHEAT FLOUR.
Claims use since 1920.

Ser. No. 521,466. POLIS & HAGAN, Edinburg, Tex. Original filed, act of 1905, Apr. 28, 1947; amended to application under act of 1946, Principal Register, Sept. 26, 1947.

Twin Eagles

Applicant claims ownership of Registration No. 378,504.
FOR FRESH CITRUS FRUIT AND FRESH TOMATOES.
Claims use since Nov. 6, 1939.

Ser. No. 526,757. CHURCH & DWIGHT CO., INC., New York, N. Y. Filed July 6, 1947.



Applicant claims ownership of Registrations Nos. 76,711, 385,190, and 385,484.
FOR BAKING SODA (BICARBONATE OF SODA), FOR AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since 1877.

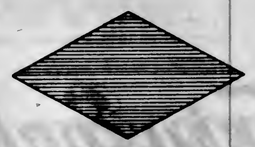
Ser. No. 528,162. ALLIED MILLS, INC., Chicago, Ill. Filed July 9, 1947. (Sec. 2f.)

BLOX

Applicant claims ownership of Registration No. 323,035.
FOR DOG AND FOX FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE DRIED MEAT AND CEREAL FLAKES.
Claims use since Feb. 15, 1934.

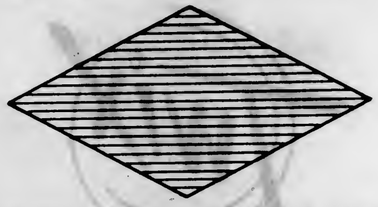
Ser. No. 530,154. APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed Aug. 1, 1947.

Diamond



The figure is lined for the color blue but no particular color is claimed. Applicant claims ownership of Registrations Nos. 90,992 and 321,880.
FOR FRESH DECIDUOUS FRUITS—NAMELY, FRESH APPLES, FRESH PEARS.
Claims use since July 15, 1909.

Ser. No. 530,155. APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed Aug. 1, 1947.



The figure is lined for the color blue but no particular color is claimed. Applicant claims ownership of Registrations Nos. 90,992 and 321,880.
FOR FRESH DECIDUOUS FRUITS—NAMELY, FRESH APPLES, FRESH PEARS, AND FRESH CHERRIES.
Claims use since July 15, 1909.

Ser. No. 532,295. KASCO MILLS, INC., Waverly, N. Y. Filed Aug. 25, 1947.



Applicant claims ownership of Registrations Nos. 276,197, 403,888, and 425,341.
FOR BALANCED RATIONS FOR POULTRY, DAIRY COWS, BEEF CATTLE, HOGS, RABBITS, CALVES, HORSES, AND DOGS, WHICH VARIOUS FEEDS ARE, IN MANY INSTANCES, MADE FROM TEN TO FIFTEEN DIFFERENT GRAINS AND FEEDING MATERIALS, BLENDED WITH MINERALS, IF NECESSARY, AND VITAMIN MATERIALS.
Claims use since 1922.

Ser. No. 538,164. PAULUS BROS. PACKING CO., Salem, Oreg. Filed Oct. 17, 1947.

RED TAG

The exclusive use of a tag colored red is disclaimed. Applicant claims ownership of Registration No. 184,202.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since Feb. 17, 1923.

Ser. No. 538,165. PAULUS BROS. PACKING CO., Salem, Oreg. Filed Oct. 17, 1947.

GREEN TAG

The exclusive right to the use of a tag colored green is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 189,430.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since Feb. 17, 1923.

Ser. No. 538,166. PAULUS BROS. PACKING CO., Salem, Oreg. Filed Oct. 17, 1947.

Brookland

Applicant claims ownership of Registration No. 173,636.
FOR CANNED FRUITS.
Claims use since May 5, 1922.

Ser. No. 538,167. PAULUS BROS. PACKING CO., Salem, Oreg. Filed Oct. 17, 1947.

BLUE TAG

Exclusive right to use of the tag colored blue is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 185,460.
FOR CANNED FRUIT AND VEGETABLE JUICES.
Claims use since Feb. 17, 1923.

Ser. No. 538,604. CAUSSE MANUFACTURING & IMPORTING CO., Bound Brook and Jersey City, N. J. Filed Oct. 22, 1947.

TROPICAL

Applicant claims ownership of Registrations Nos. 21,757, 107,049, 173,762, 390,400, and 393,794.
FOR BIGARREAUX CHERRIES, CRYSTALLIZED SLICED GINGER, ORANGE PEEL, GLACED ORANGE PEEL, GLACED LEMON PEEL, AND GLACED CITRON PEEL.
Claims use since May 15, 1892.

Ser. No. 540,861. ALFONSO ORTIZ, New York, N. Y. Filed Nov. 12, 1947.

CALDOX

FOR CANNED AND DEHYDRATED SOUPS.
Claims use since Mar. 12, 1947.

Ser. No. 541,836. HAAS, BARUCH & CO., Los Angeles, Calif. Filed Nov. 20, 1947.

QUAIL

FOR CANNED FRUITS, VEGETABLES, TOMATO PUREE, CATSUP, FRUIT JELLY, CHILI PEPPERS, OLIVES, FISH, AND OYSTERS.
Claims use since 1896.

Ser. No. 548,059. DOUGHBOY INDUSTRIES, INC., New Richmond, Wis. Filed Jan. 27, 1948.

EGG-EM-ON

FOR POULTRY FEEDS—NAMELY, LAYING MASH.
Claims use since Aug. 1, 1922.

Ser. No. 551,827. SINGH & WOOD FARMS, Phoenix, Ariz., assignor to J. A. Wood Company, Growers, Packers, and Shippers, Phoenix, Ariz., a corporation of Arizona. Filed Mar. 12, 1948.

COPPERHEAD

FOR FRESH VEGETABLES.
Claims use since Oct. 15, 1947.

Ser. No. 554,434. SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla. Filed Apr. 12, 1948.

CARDINAL

Applicant claims ownership of Registration No. 271,350.
FOR FRESH PEACHES AND PLUMS.
Claims use since 1926 for peaches; and since 1945 for plums.

Ser. No. 554,479. CANDY LANE, INC., Los Angeles, Calif. Filed Apr. 13, 1948.

"NUTCRACKER SWEETS"

The word "Sweets" is disclaimed.
FOR CANDIES.
Claims use since Dec. 6, 1947.

Ser. No. 554,865. THE CREAMETTE COMPANY, Minneapolis, Minn. Filed Apr. 17, 1948.

CREAMONAS

FOR MACARONI.
Claims use since Apr. 2, 1948.

Ser. No. 555,415. JOHN F. JELKE COMPANY, Chicago, Ill. Filed Apr. 23, 1948.

GOOD LUCK

Applicant claims ownership of Registrations Nos. 48,908, 115,089, and others.
FOR SHORTENING MADE FROM VEGETABLE OIL.
Claims use since June 15, 1936.

Ser. No. 555,540. JEWEL TEA CO., INC., Barrington, Ill. Filed Apr. 24, 1948.



West Coast

Applicant claims ownership of Registrations Nos. 248,178, 312,416, and 315,586.
FOR COFFEE.
Claims use since Oct. 16, 1928.

Ser. No. 555,698. ROBINSON SYRUP CO. INC., Cairo, Ga. Filed Apr. 27, 1948.

Uncle Remus



The figure on the drawing is fanciful. The stippling is for shading.
FOR TABLE SYRUPS.
Claims use since June 23, 1925.

Ser. No. 559,481. MORGAN FOODS CORPORATION, New York, N. Y. Filed June 16, 1948.

APPLE DANDY

The word "Apple" is disclaimed.
FOR READY-TO-COOK PUDDING DESSERT PREPARATION, THE PRINCIPAL INGREDIENTS OF WHICH ARE DRIED APPLE SLICES, RAISINS, BROWN SUGAR, SPICES, TOASTED CEREALS, AND SALT.
Claims use since Mar. 23, 1948.

Ser. No. 560,234. TRADERS OIL MILL COMPANY, Fort Worth, Tex. Filed June 25, 1948.

"PAM"

FOR COMPRESSED TABLETS OF COTTONSEED PROTEIN, ALFALFA MEAL, AND MINERALS FOR STOCK FEED.
Claims use since May 19, 1948.

Ser. No. 562,370. KORDAY CANDIES, INC., Brooklyn, N. Y. Filed July 28, 1948.

Korday

FOR CANDY.
Claims use since Mar. 1, 1948.

Ser. No. 565,736. SOUTHERN FARMS, Walkersville, Md. Filed Sept. 23, 1948.

Aunt Lucy

Applicant claims ownership of Registration No. 250,033.
FOR HAM, BACON, AND SCRAPPLE.
Claims use since 1932.

Ser. No. 568,065. LOS BANOS PRODUCE DISTRIBUTORS, Los Banos, Calif. Filed Nov. 2, 1948.

Joaquin MURIETTA

The trade-mark consists of the name of an early California historical character, now deceased.
FOR FRESH MELONS.
Claims use since July 30, 1948.

Ser. No. 568,883. WHEATLEY FOODS, INCORPORATED, Louisville, Ky. Filed Nov. 16, 1948. (Sec. 2f.)

WHEATLEY'S

FOR SALAD DRESSING.
Claims use since 1942.

Ser. No. 569,351. COLTER CORPORATION, Palacios, Tex. Filed Nov. 24, 1948.

Dewpack

FOR FRESH FROZEN SHRIMP.
Claims use since Aug. 3, 1948.

Ser. No. 570,002. SOUTHERN SODA WORKS COMPANY, Nashville, Tenn. Filed Dec. 4, 1948.

SILVER LEAF



The drawing is lined for shading only. Applicant claims ownership of Registration No. 45,521.
FOR BAKING SODA (BICARBONATE OF SODA) USED AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since April 1891.

Ser. No. 570,690. H. F. BYRD, INC., Winchester, Va. Filed Dec. 17, 1948. (Sec 2f)

H.F.BYRD

The drawing is lined for the colors red and blue Applicant claims ownership of Registration No. 254,636.
FOR FRESH APPLES, AND CANNED APPLE SAUCE.
Claims use since Sept. 1, 1928.

Ser. No. 571,465. ROCKINGHAM POULTRY MARKETING CO-OPERATIVE, INC., Broadway, Va. Filed Dec. 31, 1948. (Sec. 2f.)

GENUINE ROCKINGHAM VIRGINIA POULTRY

The words "Genuine Virginia Poultry" are disclaimed.
FOR FRESH FROZEN POULTRY.
Claims use since 1940.

Ser. No. 572,779. STRATHMORE PACKING HOUSE CO., Strathmore, Calif. Filed Jan. 25, 1949.

LOCH LOMOND

FOR FRESH CITRUS FRUITS.
Claims use since 1916.

Ser. No. 573,451. THE W. H. DUNNE CO., Norwich, N. Y. Filed Feb. 2, 1949. (Sec. 2f.)

Norwich

Applicant claims ownership of Registration No. 201,378.
FOR CANNED VEGETABLES, CANNED FRUITS, COFFEE, TEA, WHEAT FLOUR, OLIVES, CATSUP, PREPARED MUSTARD, AND PEANUT BUTTER.
Claims use since June 1, 1924.

Ser. No. 573,898. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Filed Feb. 15, 1949.

SCHOOL TIME

FOR COOKIES.
Claims use since Aug. 6, 1936.

Ser. No. 574,066. SUNSET PACKING CO., INC., Pembroke and West Pembroke, Maine. Filed Feb. 17, 1949.

SUNCO

FOR CANNED FISH.
Claims use since Sept. 11, 1925.

Ser. No. 574,551. SUNBEAM CORPORATION, Chicago, Ill. Filed Feb. 25, 1949.

COFFEEMASTER

FOR GROUND COFFEE.
Claims use since Jan. 28, 1949.

CLASS 47

WINES

Ser. No. 565,139. RIVERBANK WINE COMPANY, Brooklyn, N. Y. Filed Sept. 14, 1948.

Madonna

FOR WINES.
Claims use since Mar. 6, 1936.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 510,301. BURLINGTON BREWING COMPANY, Burlington, Wis., and Chicago, Ill. Original filed, act of 1905, Oct. 5, 1946; amended to application under act of 1946, Principal Register, July 5, 1947. (Sec. 2f as to "Van Merritt.")



The lining represents red and green. Applicant claims ownership of Registrations Nos. 501,445, 405,265, and 416,369.

FOR BEER.

Claims use since Sept. 17, 1940, as to "Van Merritt"; and since Sept. 4, 1946, as shown.

Ser. No. 510,303. BURLINGTON BREWING COMPANY, Burlington, Wis., and Chicago, Ill. Original filed, act of 1905, Oct. 5, 1946; amended to application under act of 1946, Principal Register, July 5, 1947. (Sec. 2f as to "Van Merritt.")



Applicant claims ownership of Registrations Nos. 501,445, 405,265, and 416,369.

FOR BEER.

Claims use since Sept. 17, 1940, as to "Van Merritt"; and since July 1, 1944, as shown.

Ser. No. 539,497. F. W. COOK COMPANY, INC., Evansville, Ind. Filed Oct. 30, 1947.

GOLDBLUME

Applicant claims ownership of Registration No. 307,387.

FOR BEER.

Claims use since 1902.

Ser. No. 574,140. DUQUESNE BREWING COMPANY OF PITTSBURG, Pittsburgh, Pa. Filed Feb. 19, 1949.

THE *Little* DUKE

FOR BEER.

Claims use since Dec. 24, 1948.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 566,683. THE AMERICAN DISTILLING COMPANY, Pekin, Ill., and New York, N. Y. Filed Oct. 6, 1948.

Briarcliff

Applicant claims ownership of Registration No. 357,389.

FOR WHISKEY.

Claims use since Feb. 24, 1934.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 570,208. H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 8, 1948.

LEKTRIC-HEN

The word "Lektric" is disclaimed apart from the mark as shown.

FOR POULTRY BROODERS.

Claims use since November 1940.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 566,691. COMMERCIAL LABORATORIES, INC., Newark, N. Y. Filed Oct. 8, 1948.

Radelle

Applicant claims ownership of Registration No. 516,620.

FOR PREPARATIONS FOR THE TREATMENT OF HAIR—NAMELY, CREAM CONDITIONER, LIQUID CONDITIONER, CREAM RINSE, SCALP FRESHENER, STYLING LOTION, FINISHING FRAGRANCE, NORMALIZER, AND WAVE LOTION.

Claims use since Aug. 19, 1948.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 552,513. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware. Filed Mar. 19, 1948.

ACTO

Applicant claims ownership of Registrations Nos. 221,646, 221,885, 251,298, 251,487, 273,653, 296,241, and 299,746.

FOR WHITE MINERAL OIL FOR CHEMICAL, MEDICINAL, PHARMACEUTICAL AND VETERINARY PURPOSES; PETROLEUM SULFONATES FOR GENERAL USE IN THE INDUSTRIAL ARTS, INCLUDING USE AS SUCH, OR AS AN INGREDIENT IN, EVAPORATION RETARDANT SPRAY OILS, EMULSIFIERS FOR ADHESIVES, CORDAGE OILS, METAL FABRICATING LUBRICANTS, PAPER TREATING OILS, FIBRE LUBRICANTS, AND RUBBER POLYMERIZATION; CLEANING AND WETTING AGENTS FOR ADHESIVES; ANTI-RUST AND METAL CLEANING COMPOUNDS; PICKLING AGENTS; SPLITTING AGENTS FOR FATTY OILS, FATS AND GREASES; DISPERSING AGENTS FOR PAPER INGREDIENTS; ABSORBENT AGENTS; SIZING AGENTS; FLOTATION AGENTS FOR ORES; INSECTICIDES, AND FOLIAGE WETTING AND SPREADING AGENTS; LEVELING, PENETRATING AND WETTING AGENTS FOR TREATMENT OF FABRICS, AND PLASTICIZERS AND LUBRICANTS FOR PLASTIC ARTICLES.

Claims use since Oct. 19, 1918.

Ser. No. 558,172. H. M. SINCLAIR, JR., Toledo, Ohio, trustee for the Ohio partnership The Sinclair Manufacturing Company. Filed May 29, 1948.

Sprite

FOR LIQUID SYNTHETIC DETERGENT COMPRISING A BLEND OF ANIONIC AND NON-IONIC COMPONENTS HAVING WETTING, DEGREASING, AND COMPOUND ACTION ADAPTED FOR HOUSEHOLD AND GENERAL CLEANING PURPOSES.

Claims use since May 12, 1948.

Ser. No. 566,691. COMMERCIAL LABORATORIES, INC., Newark, N. Y. Filed Oct. 8, 1948. (Classified in Class 51.)

Radelle

Applicant claims ownership of Registration No. 516,620.

FOR PREPARATIONS FOR THE TREATMENT OF HAIR—NAMELY, CREAM CONDITIONER, LIQUID CONDITIONER, CREAM RINSE, SCALP FRESHENER, STYLING LOTION, FINISHING FRAGRANCE, NORMALIZER, AND WAVE LOTION.

Claims use since Aug. 19, 1948.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 527,692. RWAY, INC., New York, N. Y., assignor to Reiss Manufacturing Corporation, New York County, N. Y., a corporation of Delaware. Filed July 5, 1947.

RWAY

FOR CHEMICAL, MECHANICAL, CIVIL, STRUCTURAL, NAVAL, ELECTRICAL, AND MINING ENGINEERING.

Claims use since Oct. 25, 1945.

Ser. No. 546,886. WILLIAM MINOT THOMAS, doing business as Math Trend Financial Service, Albany, N. Y. Filed Jan. 13, 1948.

MathTREND

No claim is made to the word "Trend" separate and apart from the mark.

FOR AN INVESTMENT ADVISORY SERVICE—NAMELY, THE FURNISHING OF CHARTS TO CLIENTS ON WHICH THE TRENDS OF VARIOUS INDUSTRIES ARE PLOTTED, THE FURNISHING OF WEEKLY DATA TO CLIENTS FOR KEEPING SUCH CHARTS UP TO DATE, TOGETHER WITH INTERPRETATIONS OF THE CHANGES IN SUCH TRENDS, AS THEY OCCUR, AND RECOMMENDATIONS AS TO THE PURCHASE OR SALE OF SPECIFIC STOCKS IN SAID INDUSTRIES.

Claims use since Nov. 20, 1947.

Ser. No. 566,704. HARRINGTON HOTEL CO., INC., Washington, D. C. Filed Oct. 8, 1948.

KITCHETERIA

FOR CAFETERIA SERVICES.
Claims use since Aug. 2, 1948.

Ser. No. 569,034. THE WHITE TURKEY—MURRAY HILL, New York, N. Y. Filed Nov. 18, 1948.

THE

WHITE TURKEY

FOR PURVEYING OF FOOD, BEVERAGES, AND OTHER REFRESHMENTS TO TRAVELERS, WAYFARERS, AND THE GENERAL PUBLIC.
Claims use since July 1, 1908.

Ser. No. 576,719. POTOMAC ELECTRIC POWER COMPANY, Washington, D. C. Filed Apr. 6, 1949. (Sec. 2f.)

Matchless Service

FOR SUPPLYING ELECTRICAL ENERGY FOR POWER, LIGHT, AND HEAT.
Claims use since Dec. 21, 1925.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 550,891. THE CREDIT BUREAU, INC., Atlanta, Ga. Filed Feb. 24, 1948.

THE CREDIT BUREAU INC.
CREDIT REPORTS
1930

The figure of the woman is fanciful. The date 1930 and all wording is disclaimed.
FOR REPORTING ON THE CREDIT STANDING, CHARACTER, AND FINANCES OF INDIVIDUALS AND FIRMS.
Claims use since Dec. 27, 1938.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 528,882. OCCIDENTAL LIFE INSURANCE COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed July 18, 1947.

Occidental Life
INSURANCE COMPANY OF CALIFORNIA

No claim is made to "Life Insurance Company of California" apart from the mark as depicted by the drawing.
FOR THE UNDERWRITING OF LIFE INSURANCE.
Claims use since Mar. 25, 1942.

CLASS 103

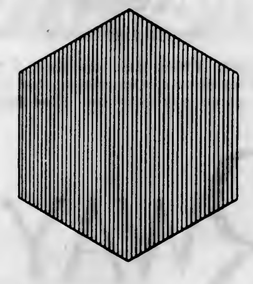
CONSTRUCTION AND REPAIR

Ser. No. 535,425. NORTHEASTERN ROOFING, SIDING AND INSULATING CONTRACTORS ASSOCIATION, INC., New York, N. Y. Filed Sept. 23, 1947. COLLECTIVE MARK.

NERSICA

FOR ROOFING, SIDING, AND INSULATING CONTRACTING.
Claims use since July 12, 1943.

Ser. No. 586,424. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Oct. 1, 1947.



The drawing is lined for red. Applicant claims ownership of Registrations Nos. 147,803, 230,021, and 350,224.
FOR SERVICE, MAINTENANCE, AND REPAIR OF AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF AND ACCESSORIES THEREFOR, AND FOR THE INSTALLATION OF REPAIR PARTS FOR SAID AUTOMOBILES, CONSTRUCTION PARTS THEREOF AND ACCESSORIES THEREFOR.
Claims use since 1912.

Ser. No. 538,477. VULCAN ASPHALT COMPANY INC., Buffalo, N. Y. Filed Oct. 20, 1947.

Durolithic

FOR CONTRACTING SERVICES—NAMELY, LAYING OF COMPOSITION FLOORING MADE WHOLLY OR PARTLY OF ASPHALTIC MATERIAL.
Claims use since 1925.

Ser. No. 540,101. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Nov. 4, 1947. (Sec. 2f.)

APPROVED Packard SERVICE

No claim is made to the words "Approved Service" apart from the mark as shown. The hexagonal design is colored red as indicated by the vertical lines in the drawing. Applicant claims ownership of Registrations Nos. 47,621, 73,048, 73,049, 95,655, 147,803, 183,867, 230,021, 350,224, and 389,399.
FOR SERVICE, MAINTENANCE, AND REPAIR OF AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF AND ACCESSORIES THEREFOR, AND FOR THE INSTALLATION OF REPAIR PARTS FOR SAID AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF AND ACCESSORIES THEREFOR.
Claims use since 1939.

Ser. No. 540,102. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Nov. 4, 1947.

ASK THE MAN WHO OWNS ONE

Applicant claims ownership of Registration No. 195,900.
FOR SERVICE, MAINTENANCE, AND REPAIR OF AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF AND ACCESSORIES THEREFOR AND FOR THE INSTALLATION OF REPAIR PARTS FOR SAID AUTOMOBILES, CONSTRUCTIVE PARTS THEREOF AND ACCESSORIES THEREFOR.
Claims use since 1918.

Ser. No. 546,779. MURDOCK DISTRIBUTORS, INC., Los Angeles, Calif. Filed Jan. 12, 1948.

STERIMATIC

Applicant claims ownership of Registration No. 401,408.
FOR INSTALLATION, MECHANICAL REPAIR AND INSPECTION OF AUTOMATIC GERMICIDE MIXERS AND DISPENSERS FOR USE IN DISH AND SIMILAR STERILIZING.
Claims use since December 1939.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 539,238. TELOMATIC CORPORATION OF NORFOLK, Norfolk, Va. Filed Oct. 27, 1947.

"MUSITONE"

FOR FURNISHING BY WIRE OF VARIOUS TYPES OF BACKGROUND MUSIC FOR INDUSTRIES.
Claims use since May 1, 1947.

Ser. No. 559,504. EDUCATIONAL METHODS, INC., Wilmington, Del., now by change of name, Audiscope Corporation, a corporation of Delaware. Filed June 17, 1948.

AUDISCOPE

FOR INSTRUCTION IN PIANO PLAYING.
Claims use since Apr. 8, 1948.

Ser. No. 566,836. THE GREEN HORNET, INC., Detroit, Mich. Filed Oct. 2, 1948.

The Green Hornet

FOR ENTERTAINMENT PRESENTED BY MEANS OF AN INTEGRATED SERIES OF DRAMATIC RADIO PROGRAMS BROADCAST FROM TIME TO TIME.
Claims use since January 1937.

Ser. No. 578,943. UNITED STATES DEPARTMENT OF THE ARMY, Washington, D. C. Filed May 16, 1949.

COMMAND PERFORMANCE

FOR INFORMATIONAL, EDUCATIONAL, AND ENTERTAINMENT SERVICES FOR THE UNITED STATES ARMY, NAVY, AND AIR FORCE PERSONNEL STATIONED OVERSEAS, AFLOAT AND ASHORE, RENDERED THROUGH THE MEDIUM OF RADIO PROGRAM BROADCASTING.
Claims use since Mar. 1, 1942.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,757. FILMS AND SHEETS OF PLASTICS AND/OR SYNTHETIC OR NATURAL RESINS HAVING BONDED TO ONE SURFACE THEREOF A FLEXIBLE, STRENGTHENING, RETAINING MATERIAL, ETC. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed Mar. 13, 1944, Serial No. 468,239. Published Nov. 15, 1949. Class 42.

443,758. MIXTURE OF INGREDIENTS HAVING THERAPEUTIC VALUE AND USED FOR THE RELIEF OF ITCHING AND OTHER DISCOMFORTS OF ECZEMA, ETC. EBEN R. FRENCH, Tacoma, Wash.
Filed May 18, 1945, Serial No. 483,522. Published Feb. 26, 1946. Class 18.

443,759. HAND AND TOILET SOAP. THE PINOL COMPANY, Quincy, Ill.
Filed Jan. 3, 1946, Serial No. 494,233. Published Oct. 1, 1946. Class 52.

443,760. PIECE GOODS OF RAYON AND COTTON, AND COMBINATIONS THEREOF. CORNHALL & COMPANY, INC., New York, N. Y.
Filed June 12, 1947, Serial No. 524,054. Published Nov. 15, 1949. Class 42.

443,761. ELECTRIC MEASURING BRIDGES, WATT METERS, APPARATUS FOR INDICATING RELATIVE WORLD TIMES, ELECTRIC INSULATION TESTERS, ELECTRIC FLAT IRON HEATING TESTERS. ELECTRIC & MUSICAL INDUSTRIES LIMITED, Hayes, Middlesex, England.
Filed June 27, 1947, Serial No. 524,961. Published Sept. 13, 1949. Class 26.

ACT OF 1946, PRINCIPAL REGISTER

520,971. MANGE MEDICINES, ANTISEPTIC MEDICATED OINTMENT USED FOR THE TREATMENT OF THE HUMAN SCALP AND HAIR, AND FOR A PREPARATION FOR DRESSING THE HAIR. H. CLAY GLOVER CO., INC., New York, N. Y.
Original filed, act of 1905, May 18, 1945; amended to application under act of 1946, Principal Register, Feb. 23, 1949, Serial No. 483,526. Published Oct. 18, 1949. Class 51.

520,972. THERMOMETERS, TEMPERATURE AND PRESSURE CONTROLLERS, TACHOMETERS, BAROMETERS, PRESSURE GAUGES, LIQUID COLUMN GAUGES, AND RECORDER CHARTS. MANNING, MAXWELL & MOORE, INCORPORATED, New York, N. Y.
Original filed, act of 1905, Sept. 27, 1946; amended to application under act of 1946, Principal Register, Apr. 13, 1948, Serial No. 509,856. Published Oct. 11, 1949. Class 26.

520,973. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Original filed, act of 1905, Apr. 11, 1947; amended to application under act of 1946, Principal Register, Oct. 7, 1947, Serial No. 520,519. Published Nov. 15, 1949. Class 27.

520,974. BRUSHES FOR PAINTING, VARNISHING, OR SIMILAR LIQUID-APPLYING USE, AND FOR CLEANING, POLISHING AND SWEEPING. WHITING-ADAMS COMPANY, INC., Boston, Mass.
Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, July 14, 1948, Serial No. 520,584. Published Nov. 15, 1949. Class 29.

520,975. BRUSHES FOR PAINTING, VARNISHING, OR SIMILAR LIQUID-APPLYING USE, AND FOR CLEANING, POLISHING AND SWEEPING. WHITING-ADAMS COMPANY, INC., Boston, Mass.
Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, July 14, 1948, Serial No. 520,586. Published Nov. 15, 1949. Class 29.

520,976. CAMERAS, PROJECTORS, ENLARGERS, LENSES, RANGE FINDERS, VIEW FINDERS, PHOTOGRAPHIC MASKS, FILM HOLDERS, FILM PACK ADAPTERS AND PARTS THEREOF. BUSCH PRECISION CAMERA CORPORATION, Chicago, Ill.
Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Principal Register, Sept. 1, 1948, Serial No. 520,930. Published Oct. 4, 1949. Class 26.

520,977. CONSOLIDATED CERTIFICATE. MOTOROLA, INC., Chicago, Ill., by change of name from Galvin Manufacturing Corporation.
RADIO RECEIVING APPARATUS; RADIO TRANSMITTING APPARATUS; COMBINATION RADIO RECEIVING AND TRANSMITTING APPARATUS; TELEVISION RECEIVING APPARATUS; COMBINATION TELEVISION RECEIVING APPARATUS AND RADIO BROADCAST RECEIVING APPARATUS; COMBINATION RADIO RECEIVING AND ELECTRIC PHONOGRAPH APPARATUS WITH AND WITHOUT RECORD CHANGING MECHANISM; COMBINATION TELEVISION RECEIVING APPARATUS AND RADIO RECEIVING APPARATUS WITH ELECTRIC PHONOGRAPH APPARATUS HAVING RECORD CHANGING MECHANISM; COMBINATION RADIO RECEIVING, ELECTRIC PHONOGRAPH AND ELECTRICAL SOUND RECORDING APPARATUS WITH OR WITHOUT RECORD CHANGING MECHANISM; ELECTRONIC RECORD PLAYING APPARATUS WITH AND WITHOUT RECORD CHANGING MECHANISM; CONTROL APPARATUS FOR USE WITH RADIO TRANSMITTING AND WITH RADIO RECEIVING APPARATUS; RADIO ANTENNA APPARATUS; RADIO CONDENSERS; ELECTRIC TRANSFORMERS; VIBRATORS FOR RADIO APPARATUS; RADIO LOUD SPEAKERS; ELECTRICAL COILS; RADIO INDUCTANCE UNITS; PIEZOELECTRIC CRYSTALS FOR RADIO EQUIPMENT; BATTERY ACCESSORY KITS FOR AUTO RADIO RECEIVERS CONTAINING BATTERY LEAD WIRE, FUSES, AND THE LIKE; INTERFERENCE ELIMINATORS FOR RADIO APPARATUS; NOISE ELIMINATORS FOR RADIO APPARATUS; AND DIALS FOR RADIO RECEIVERS. Original filed, act of 1905, May 17, 1947; amended to application under act of 1946, Principal Register, Sept. 9, 1947, Serial No. 522,606. Published Jan. 25, 1949. Class 21.

SPACE HEATER USING LIQUID FUEL FOR GENERAL USE. Original filed, act of 1905, May 17, 1947; amended to application under act of 1946, Principal Register, Sept. 9, 1947, Serial No. 522,613. Published Feb. 22, 1949. Class 34.

AUTOMOBILE HEATERS OF THE INTERNAL COMBUSTION TYPE USING LIQUID FUEL, CARGO HEATERS OF THE INTERNAL COMBUSTION TYPE USING LIQUID FUEL FOR INSTALLATION IN VEHICULAR TRUCKS AND TRAILERS, DEFROSTER UNITS FOR USE WITH AUTOMOBILE HEATERS, CONTROL UNITS FOR AUTOMOBILE HEATERS USING LIQUID COMBUSTIBLE FUEL, LIQUID PUMPS FOR AUTOMOBILE HEATERS USING LIQUID COMBUSTIBLE FUEL, AND SUN VISORS FOR AUTOMOBILES. Filed Oct. 19, 1948, Serial No. 567,202. Published Nov. 1, 1949. Class 19.

RADIO RECEIVING APPARATUS; RADIO TRANSMITTING APPARATUS; COMBINATION RADIO RECEIVING AND TRANSMITTING APPARATUS; TELEVISION RECEIVING APPARATUS; COMBINATION TELEVISION RECEIVING APPARATUS AND RADIO BROADCAST RECEIGING APPARATUS; COMBINATION RADIO RECEIVING AND ELECTRIC PHONOGRAPH APPARATUS WITH AND WITHOUT RECORD CHANGING MECHANISM; COMBINATION TELEVISION RECEIVING APPARATUS AND RADIO RECEIVING APPARATUS WITH ELECTRIC PHONOGRAPH APPARATUS HAVING RECORD CHANGING MECHANISM; COMBINATION RADIO RECEIVING, ELECTRIC PHONOGRAPH AND ELECTRICAL SOUND RECORDING APPARATUS WITH OR WITHOUT RECORD CHANGING MECHANISM; ELECTRONIC RECORD PLAYING APPARATUS WITH AND WITHOUT RECORD CHANGING MECHANISM; CONTROL APPARATUS FOR USE WITH RADIO TRANSMITTING AND WITH RADIO RECEIVING APPARATUS; RADIO ANTENNA APPARATUS; RADIO RECEIVERS. Filed Oct. 20, 1948, Serial No. 567,268. Published Aug. 2, 1949. Class 21.

520,978. CAMERAS, FLASH ATTACHMENTS, AND CAMERA CASES. WHITEHOUSE PRODUCTS, INC., Brooklyn, N. Y.
Filed July 5, 1947, Serial No. 527,452. Published Oct. 4, 1949. Class 26.

520,979. COSMETIC CREAM. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed Aug. 26, 1947, Serial No. 532,491. Published Oct. 25, 1949. Class 51.

520,980. FACIAL MAKE-UP PREPARATION. CAMPANA CORPORATION, Batavia, Ill.
Filed Sept. 16, 1947, Serial No. 534,600. Published Sept. 7, 1948. Class 51.

520,981. ANTISEPTIC SALVE OR OINTMENT. HALL & RUCKEL, INC., New York, N. Y.
Filed Oct. 11, 1947, Serial No. 537,582. Published Mar. 8, 1949. Class 18.

520,982. BRAIDED COTTON RUGS. AMSTERDAM TEXTILES, Amsterdam, N. Y., assignor to Amsterdam Textiles, Inc., Amsterdam, N. Y., a corporation of New York.
Filed Oct. 22, 1947, Serial No. 538,588. Published Nov. 15, 1949. Class 42.

520,983. FLOCKED RAYON FABRICS IN THE PIECE. VALLURA CORPORATION, Clifton, N. J.
Filed Nov. 15, 1947, Serial No. 541,363. Published Nov. 1, 1949. Class 42.

520,984. KNIT PIECE GOODS OF COTTON, WOOL, WORSTED, RAYON, WORCESTER KNITTING COMPANY, Worcester, Mass.
Filed Nov. 20, 1947, Serial No. 541,908. Published Nov. 8, 1949. Class 42.

520,985. ARTISTS' BRUSHES. M. GRUMBACHER, INC., New York, N. Y.
Filed Dec. 6, 1947, Serial No. 543,600. Published Nov. 15, 1949. Class 29.

520,986. HAIR OIL, PERMANENT WAVE OIL, LEMON SHAMPOO, LEMON CLEANSING CREAM, SPECIAL CLEANSING CREAM, AND FACE CREAM. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill.
Filed Dec. 10, 1947, Serial No. 543,891. Published Oct. 18, 1949. Class 51.

520,987. FABRICS OF COTTON, LINEN, WOOL, SILK, OR SYNTHETIC FIBERS AND MIXTURES THEREOF. THE DUPLAN CORPORATION, New York, N. Y..
Filed Dec. 11, 1947, Serial No. 544,068. Published Nov. 1, 1949. Class 42.

520,988. COTTON GINGHAM. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Jan. 7, 1948, Serial No. 546,366. Published Oct. 26, 1948. Class 42.

520,989. BELT BUCKLES, COMPACTS, WATCH CHAIN AND KEYS, MADE PARTLY OR WHOLLY OF PRECIOUS METAL AND FOR FRATERNITY JEWELRY TO BE WORN ON THE PERSON — NAMELY, BADGES, BRACELETS, CHARMS, CUFF LINKS, PENDANTS, FINGER RINGS, STICK PINS, WATCH BANDS, WATCH FOBS, AND WATCH CHAINS. ALPHA KAPPA PSI FRATERNITY, Denver, Colo.
Filed Jan. 12, 1948, Serial No. 546,744. Published Nov. 15, 1949. Class 28.

520,990. WEIGHING SCALES, INDICATORS FOR WEIGHING SCALES, WEIGHT CHECKING APPARATUS, AND WEIGHT GOVERNED CLASSIFYING MACHINES. THE EXACT WEIGHT SCALE COMPANY, Columbus, Ohio.
Filed Feb. 17, 1948, Serial No. 549,914. Published Oct. 4, 1949. Class 26.

520,991. TEXTILES AND TEXTILE PRODUCTS—NAMELY, FABRICS CONSISTING OF COTTON, WOOL, FLAX, SILK, RAMIE, AND COMBINATIONS OF SYNTHETIC FIBERS, AND SHEETS, TABLE CLOTHS, AND TEXTILE RUG MATS. ORIENTEX, LTD., New York, N. Y.
Filed Feb. 18, 1948, Serial No. 550,065. Published Nov. 1, 1949. Class 42.

520,992. ELECTRICITY MEASURING INSTRUMENTS FOR REGISTERING OR RECORDING ELECTRICAL CONDITIONS, ETC. LANDIS & GYR A. G., Zug, Switzerland.
Filed Feb. 25, 1948, Serial No. 550,525. Published Oct. 4, 1949. Class 26.

520,993. DIALS AND COOPERATING CHARTS WHICH ARE INCORPORATED IN COOKING RANGES AND BY WHICH THE COOKING TIME AND TEMPERATURE FOR DIFFERENT FOODS MAY BE ASCERTAINED. THE TAPPAN STOVE COMPANY, Mansfield, Ohio.
Filed Feb. 28, 1948, Serial No. 550,846. Published Oct. 4, 1949. Class 26.

520,994. OPTICAL AND PHOTOGRAPHIC FILTERS, LENSES AND MAGNIFYING GLASSES, ETC. THE EDNALITE OPTICAL COMPANY, INC., New York, N. Y.
Filed Mar. 6, 1948, Serial No. 551,373. Published Oct. 18, 1949. Class 26.

520,995. KNITTED JERSEY CLOTH IN THE PIECE MADE OF COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF. NATIVE LACES & TEXTILES, INCORPORATED, New York, N. Y.
Filed Mar. 12, 1948, Serial No. 551,809. Published Nov. 1, 1949. Class 42.

520,996. CHEMICAL PREPARATION FOR USES AS A LARVAL SPRAY, ANTISEPTIC, DISINFECTANT, GERMICIDE, AND DEODORANT. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed Mar. 15, 1948, Serial No. 552,015. Published Oct. 18, 1949. Class 18.

520,997. PRESSURE GAUGES, VACUUM GAUGES, TEMPERATURE GAUGES, AND RECORDERS MAKING A GRAPHIC RECORD OF TEMPERATURE OR PRESSURE CHANGES OVER A GIVEN PERIOD CLASSED AS INDICATING AND RECORDING INSTRUMENTS. AMERICAN MACHINE AND METALS, INC., Sellersille, Pa.
Filed Mar. 20, 1948, Serial No. 552,562. Published Oct. 4, 1949. Class 26.

520,998. COLORING COMPOUNDS INCORPORATING DYES FOR COLORING MOLDED, CAST, AND EXTRUDED NYLON. THE POLYMER CORPORATION, Reading, Pa.
Filed Apr. 8, 1948, Serial No. 554,152. Published Oct. 25, 1949. Class 6.

520,999. DUSTING BRUSHES AND SCRUBBING BRUSHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed Apr. 15, 1948, Serial No. 554,701. Published Nov. 15, 1949. Class 29.

521,000. PREPARATION FOR BLOCKING OUT INK WRITING, OR INK SPOTS FOR USE IN DUPLICATING PROCESSES, PREPARATION FOR DILUTING SAID BLOCKING OUT PREPARATION, ETC. DITTO, INCORPORATED, Chicago, Ill.
Filed Apr. 17, 1948, Serial No. 554,868. Published July 26, 1949. Class 51.

521,001. PREPARATION FOR BLOCKING OUT INK WRITING, OR INK SPOTS FOR USE IN DUPLICATING PROCESSES, PREPARATION FOR DILUTING SAID BLOCKING OUT PREPARATION, ETC. DITTO, INCORPORATED, Chicago, Ill.
Filed Apr. 17, 1948, Serial No. 554,869. Published July 26, 1949. Class 51.

521,002. KNITTED, NETTED, AND TEXTILE FABRICS MADE FROM COTTON, WOOL, SILK, LINEN, SYNTHETIC FIBRES, AND MIXTURES THEREOF. MURRAY BROS. & CO., LIMITED, Bulwell, England.
Filed Apr. 23, 1948, Serial No. 555,431. Published Nov. 8, 1949. Class 42.

521,003. SPONGE-TYPE MOPS AND COMPONENTS THEREOF—NAMELY, REPLACEMENT SPONGE PADS, AND SQUEEGEES. DU-FOLD MOP MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Apr. 28, 1948, Serial No. 555,740. Published Nov. 15, 1949. Class 29.

521,004. ELECTRONIC THICKNESS MEASURING APPARATUS. BRANSON INSTRUMENTS, INC., Danbury, Conn.
Filed May 1, 1948, Serial No. 555,987. Published Oct. 4, 1949. Class 26.

521,005. MEASURING AND TESTING APPARATUS—NAMELY, ELECTRICAL INSULATION TESTERS, ETC. RADIO FREQUENCY LABORATORIES, INC., Boonton, N. J.
Filed May 3, 1948, Serial No. 556,126. Published Oct. 4, 1949. Class 26.

521,006. SORORITY PINS, FINGER RINGS, BUTTONS, MADE IN WHOLE OR PART OF PRECIOUS METAL AND BADGES, MADE IN WHOLE OR PART OF PRECIOUS METAL. DELTA SIGMA GAMMA SORORITY, Atlanta, Ga.
Filed May 18, 1948, Serial No. 557,264. Published Nov. 15, 1949. Class 28.

521,007. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. CYMA WATCH CO., INC., New York, N. Y., assignor to Tavannes Watch Co., S. A., Tavannes, Switzerland, a corporation of Switzerland.
Filed May 19, 1948, Serial No. 557,343. Published Nov. 15, 1949. Class 27.

521,008. TEXTILE RUGS, BEDSPREADS, AUTOMOBILE ROBES, AND BATH MAT SETS. MONARCH CHENILLES, INCORPORATED, Dalton, Ga.
Filed May 26, 1948, Serial No. 557,860. Published Nov. 8, 1949. Class 42.

521,009. PRINTING INKS. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed June 3, 1948, Serial No. 558,396. Published Nov. 15, 1949. Class 11.

521,010. PHOTOGRAPHIC SOLUTION TANKS, X-RAY DEVELOPING TANKS, COMPARTMENT DEVELOPING TANKS, AND DEVELOPING SINKS. BUCK X-OGRAPH COMPANY, St. Louis, Mo.
Filed June 11, 1948, Serial No. 559,002. Published Oct. 4, 1949. Class 26.

521,011. PIECE GOODS OF WOOL, WORSTED, MOHAIR, COTTON, SILK, RAYON, AND COMBINATIONS THEREOF. B. PRIESTLEY & CO., INC., New York, N. Y.
Filed June 12, 1948, Serial No. 559,119. Published Nov. 8, 1949. Class 42.

521,012. PROTECTIVE COATING COMPOSITION AND POLISH ADAPTED FOR USE ON AUTOMOBILE BODIES AND ON PAINTED AND ENAMELED SURFACES IN GENERAL. KAR GLAMOR, INC., Indianapolis, Ind.
Filed June 17, 1948, Serial No. 559,518. Published Oct. 18, 1949. Class 16.

521,013. GROOVED PHONOGRAPH RECORDS AND NON-ELECTRIC PHONOGRAPHS. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed June 18, 1948, Serial No. 559,638. Published Oct. 11, 1949. Class 36.

521,014. TABLECLOTHS, SHOWER CURTAINS, WINDOW CURTAINS, MADE OF PLASTIC MATERIAL. ELRENE MANUFACTURING CO., New York, N. Y.
Filed July 1, 1948, Serial No. 560,553. Published Nov. 1, 1949. Class 42.

521,015. COAL TAR COLORS. CIBA LIMITED, Basel, Switzerland.
Filed July 9, 1948, Serial No. 560,969. Published Nov. 1, 1949. Class 6.

521,016. COAL TAR COLORS. CIBA LIMITED, Basel, Switzerland.
Filed July 9, 1948, Serial No. 560,970. Published Nov. 1, 1949. Class 6.

521,017. COAL TAR COLORS. CIBA LIMITED, Basel, Switzerland.
Filed July 9, 1948, Serial No. 560,971. Published Nov. 1, 1949. Class 6.

521,018. DYESTUFFS FOR NITRO AND ACETYL LACQUERS. CIBA LIMITED, Basel, Switzerland.
Filed July 9, 1948, Serial No. 560,979. Published Nov. 1, 1949. Class 6.

521,019. DYESTUFFS FOR NITRO AND ACETYL LACQUERS. CIBA LIMITED, Basel, Switzerland.
Filed July 9, 1948, Serial No. 560,980. Published Nov. 1, 1949. Class 6.

521,020. CHEMICAL PRODUCTS FOR USE AS AUXILIARY AGENTS IN THE TEXTILE INDUSTRY. CIBA LIMITED, Basel, Switzerland.
Filed July 9, 1948, Serial No. 560,985. Published Nov. 1, 1949. Class 6.

521,021. ELASTIC FABRICS IN THE PIECE OF COTTON, SILK, WOOL, AND SYNTHETIC FIBERS. ETABLISSEMENTS BOUDIOS, Romilly-sur-Seine, France.
Filed Mar. 10, 1948, Serial No. 561,172. Published Nov. 15, 1949. Class 42.

521,022. PHARMACEUTICAL VITAMIN PREPARATIONS. VITAMINS LIMITED, London, England.
Filed July 23, 1948, Serial No. 562,107. Published Oct. 18, 1949. Class 18.

521,023. ANALGESIC AND SEDATIVE PREPARATION. WINTHROP-STEARNS INC., New York, N. Y.
Filed July 29, 1948, Serial No. 562,514. Published Oct. 18, 1949. Class 18.

521,024. MARGARINE. THE MIAMI MARGARINE COMPANY, Cincinnati, Ohio.
Filed June 3, 1948, Serial No. 562,591. Published Oct. 4, 1949. Class 46.

521,025. ACCORDIONS. MELODIANA ACCORDION COMPANY, West New York, N. J.
Filed Aug. 27, 1948, Serial No. 564,285. Published Aug. 16, 1949. Class 36.

521,026. STARCH FOR MANUFACTURING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Sept. 18, 1948, Serial No. 565,416. Published Oct. 18, 1949. Class 6.

521,027. COLORS USED IN THE PREPARATION OF COSMETICS. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed Sept. 21, 1948, Serial No. 565,557. Published Oct. 18, 1949. Class 51.

521,028. FINGER RINGS. M. SICKLES & SONS, INC., Philadelphia, Pa.
Filed Sept. 25, 1948, Serial No. 565,899. Published Nov. 8, 1949. Class 28.

521,029. SHAVING BRUSHES. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed Sept. 14, 1948, Serial No. 566,281. Published Nov. 8, 1949. Class 29.

521,030. WATCHES AND WATCH MOVEMENTS. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill.
Filed Oct. 8, 1948, Serial No. 566,695. Published Nov. 15, 1949. Class 27.

521,031. DISHCLOTHS. GRANITE LOOMS, INC., Fall River, Mass.
Filed Oct. 12, 1948, Serial No. 566,877. Published Nov. 15, 1949. Class 42.

521,032. PIECE GOODS, FABRICS OF COTTON, SILK, WOOL, RAYON, NYLON, AND COMBINATIONS THEREOF. THE UNITED PIECE DYE WORKS, Lodi, N. J., and New York, N. Y.
Filed Oct. 15, 1948, Serial No. 567,059. Published Nov. 8, 1949. Class 42.

521,033. DIAMOND FINGER RINGS. JENKINS & SONS, INC., Jacksonville, Fla.
Filed Oct. 27, 1948, Serial No. 567,699. Published Oct. 18, 1949. Class 28.

521,034. SPECIAL HYDRAULIC FLUID FOR OPERATING MACHINE TOOLS. SUN OIL COMPANY, Philadelphia, Pa.
Filed Oct. 27, 1948, Serial No. 567,723. Published Oct. 25, 1949. Class 6.

521,035. BLANKETS. CHATHAM MANUFACTURING COMPANY, Elkin, N. C.
Filed Nov. 1, 1948, Serial No. 567,955. Published Nov. 1, 1949. Class 42.

521,036. CORDUROY FABRICS IN THE PIECE. BOOTT MILLS, Lowell, Mass.
Filed Nov. 3, 1948, Serial No. 568,143. Published Nov. 15, 1949. Class 42.

521,037. MEDICINAL PREPARATION CONTAINING A COMBINATION OF HORMONES AND VITAMINS. SCHERING CORPORATION, Bloomfield, N. J.
Filed Nov. 5, 1948, Serial No. 568,281. Published Oct. 25, 1949. Class 18.

521,038. WATCH CASES. ARMAND J. LEMIEUX CORPORATION, New York, N. Y.
Filed Nov. 6, 1948, Serial No. 568,313. Published Nov. 8, 1949. Class 27.

521,039. METHIONINE AND B-COMPLEX VITAMINS COMBINED IN DOSAGE FORM. WYETH INCORPORATED, Philadelphia, Pa.
Filed Nov. 13, 1948, Serial No. 568,772. Published Nov. 8, 1949. Class 18.

521,040. TEXTILE GOODS—NAMELY, BED SHEETS, PILLOW CASES, TOWELS, TOWELING AND PIECE GOODS OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. HELEN BASORE, doing business as Fabrics Designs Company, Pasadena, Calif.
Filed Nov. 16, 1948, Serial No. 568,829. Published Nov. 15, 1949. Class 42.

521,041. CHEMICAL SOLUTION FOR USE AS A RUST PREVENTIVE IN WATER-COOLING SYSTEMS, INCLUDING ENGINE JACKETS, HEADS, AND RADIATORS. YOUNG RADIATOR COMPANY, Racine, Wis.
Filed Nov. 16, 1948, Serial No. 568,885. Published Nov. 8, 1949. Class 6.

521,042. COTTON TWILL PIECE GOODS. BROWN & ACKERMAN, INC., New York, N. Y.
Filed Nov. 26, 1948, Serial No. 569,428. Published Nov. 15, 1949. Class 42.

521,043. CHEMICAL PREPARATION FOR CLEARING AND CLEANING STOPPED-UP DRAIN AND SEWER PIPES. PURITAN CHEMICAL COMPANY, Atlanta, Ga.
Filed Nov. 26, 1948, Serial No. 569,476. Published Oct. 18, 1949. Class 52.

521,044. CORE BINDER OIL OF AN ADHESIVE MATERIAL. ARCHER-DANIELS-MIDLAND COMPANY, Minneapolis, Minn., doing business as The Werner G. Smith Company, Cleveland, Ohio.
Filed Dec. 2, 1948, Serial No. 569,731. Published Nov. 8, 1949. Class 5.

521,045. WATCHES, CLOCKS, AND PARTS THEREOF. B. ALTMAN & CO., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,167. Published Nov. 15, 1949. Class 27.

521,046. REMEDY FOR THE RELIEF OF ATHLETE'S FOOT. DAVID C. FUSSELL, doing business as A & F Remedy Company, Raleigh, N. C.
Filed Dec. 14, 1948, Serial No. 570,485. Published Nov. 8, 1949. Class 18.

521,047. LAXATIVE PREPARATION. A. H. ROBINS COMPANY, Richmond, Va.
Filed Dec. 15, 1948, Serial No. 570,579. Published Nov. 8, 1949. Class 18.

521,048. WATCHES, WATCH MOVEMENTS, PARTS OF WATCHES AND OF WATCH MOVEMENTS. COMPAGNIE DES MONTRES MARVIN S. A., La Chaux de Fonds, Switzerland.
Filed Jan. 18, 1949, Serial No. 572,354. Published Nov. 8, 1949. Class 27.

521,049. WATCHES AND WATCH MOVEMENTS. FINLAY STRAUS, INC., New York, N. Y.
Filed Jan. 28, 1949, Serial No. 573,013. Published Nov. 15, 1949. Class 27.

521,050. PLASTIC COATED RUBBER IMPREGNATED FABRIC. PHILIP G. WHITMAN, INC., New York, N. Y.
Filed Feb. 1, 1949, Serial No. 573,156. Published Nov. 8, 1949. Class 42.

521,051. SHOWER CURTAINS. WEAREVER SHOWER CURTAIN CORP., Brooklyn, N. Y.
Filed Feb. 2, 1949, Serial No. 573,219. Published Nov. 1, 1949. Class 42.

521,052. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,233. Published Nov. 8, 1949. Class 42.

521,053. PERMANENT FINISH, CREASE RESISTANT COTTON CLOTH. SINGER & NEUBURGER, INC., New York, N. Y.
Filed Feb. 4, 1949, Serial No. 573,341. Published Nov. 1, 1949. Class 42.

521,054. SHEETS AND PILLOW CASES. THE B. V. D. CORPORATION, New York, N. Y.
Filed Feb. 8, 1949, Serial No. 573,470. Published Nov. 8, 1949. Class 42.

521,055. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Feb. 16, 1949, Serial No. 573,925. Published Nov. 1, 1949. Class 42.

521,056. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Feb. 16, 1949, Serial No. 573,927. Published Nov. 8, 1949. Class 42.

521,057. STERLING SILVER FLATWARE AND HOLLOW WARE. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn.
Filed Mar. 1, 1949, Serial No. 574,691. Published Nov. 15, 1949. Class 28.

521,058. FRATERNITY PINS, FINGER RINGS, AND LAPEL BUTTONS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL. DELTA SIGMA FRATERNITY, Chicago, Ill.
Filed Mar. 22, 1949, Serial No. 575,851. Published Nov. 8, 1949. Class 28.

Service Mark

521,059. RAILROAD PASSENGER TRANSPORTATION SERVICE. THE KANSAS CITY SOUTHERN RAILWAY COMPANY, Kansas City, Mo.
Filed Oct. 20, 1947, Serial No. 538,421. Published Aug. 30, 1949. Class 105.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

521,060. (CLASS 5. ADHESIVES.) MID-STATES GUMMED PAPER CO., Chicago, Ill. Original filed, act of 1905, Aug. 22, 1946; amended to application under act of 1946, Principal Register, Sept. 9, 1947; amended to Supplemental Register, Feb. 2, 1949, Serial No. 507,833.

THE LIFELINE

OF YOUR CONTAINER

FOR GUMMED TAPE.
Claims use since July 15, 1946.

521,061. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SAFTOY, INC., Oak Lawn, Ill. Original filed, act of 1905, Nov. 1, 1946; amended to application under act of 1946, Supplemental Register, July 24, 1948, Serial No. 511,901.

Saf-Toy

FOR TOY POWER PLANTS.
Claims use since August 1946.

521,062. (CLASS 37. PAPER AND STATIONERY.) HERBERT A. GOETZ, Ann Arbor, Mich. Original filed, act of 1905, Dec. 26, 1946; amended to application under act of 1946, Supplemental Register, Nov. 23, 1948, Serial No. 514,813.

Goetzcraft

FOR BOND PAPER, FOR WRITING, PRINTING, TYPING, AND SIMILAR PURPOSES.
Claims use since Nov. 11, 1946.

521,063. (CLASS 37. PAPER AND STATIONERY.) JOHN HANCOCK PEN COMPANY, INC., New York and Woodside, N. Y., assignee of Glove Instrument Company, Inc. Original filed, act of 1905, Jan. 20, 1947; amended to application under act of 1946, Supplemental Register, Sept. 3, 1948, Serial No. 516,012.

John Hancock

The name, "John Hancock," is that of a deceased celebrity.
FOR BALL PENS AND INK PENCILS.
Claims use since Jan. 8, 1947.

521,064. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MILPRINT, INC., Milwaukee, Wis. Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Supplemental Register, May 17, 1949, Serial No. 517,652.

Stik-on

FOR NON-ELECTRICAL ADVERTISING AND DISPLAY SIGNS.
Claims use since Nov. 11, 1946.

521,065. (CLASS 37. PAPER AND STATIONERY.) WILLIAM W. FITZHUGH, INC., Brooklyn, N. Y. Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Supplemental Register, Mar. 26, 1948, Serial No. 520,157.

WAYNE MAID

The silhouette appearing in the mark is fanciful.
FOR WRITING PAPER AND ENVELOPES, BOXED WRITING PAPER AND ENVELOPES, BOXES AND PACKAGES OF WRITING PAPER AND ENVELOPES PACKED SEPARATELY, NOTEPAPER AND PADS, BLANK POST CARDS, POST CARDS WITH THE TRADE-MARK ONLY PRINTED THEREON, AND PLACE CARDS.
Claims use since about 1926.

521,066. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH E. WEIDER, doing business as Muscle Power Publishing Company, Montreal, Quebec, Canada. Original filed, act of 1920, Apr. 10, 1947; amended to application under act of 1946, Supplemental Register, Aug. 24, 1949, Serial No. 520,485.

MUSCLE POWER

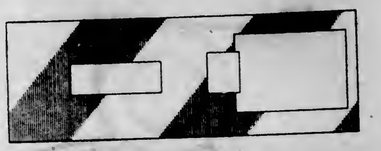
FOR MAGAZINE PUBLISHED MONTHLY.
Claims use since May 1945.

521,067. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NEW METHOD PAINT CO., Kansas City, Mo. Original filed, act of 1905, Apr. 30, 1947; amended to application under act of 1946, Principal Register, Dec. 11, 1948; amended to Supplemental Register, Dec. 1, 1949, Serial No. 521,605.

JIM DANDY

The mark is fanciful and does not identify any particular living individual.
FOR PAINT ENAMEL, VARNISH, VARNISH STAIN, AND GROUND COLOR FOR VARNISH STAIN.
Claims use since June 1932.

521,068. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MARTIN VARNISH COMPANY, Chicago, Ill. Original filed, act of 1946, Principal Register, July 23, 1947; amended to application, Supplemental Register, Oct. 19, 1948, Serial No. 529,283.



The relatively dark colored diagonal bands are lined to represent the color red. Applicant claims ownership of Registration No. 263,621.
FOR VARNISHES, PAINT ENAMELS, BAKING ENAMELS, PAINTS IN LIQUID FORM, PRIMERS AND SEALERS.
Claims use since Dec. 14, 1946.

521,069. (CLASS 37. PAPER AND STATIONERY.) NEWARK GLASSINE BAG CO., Newark, N. J. Original filed, act of 1946, Principal Register, Dec. 5, 1947; amended to application, Supplemental Register, Oct. 25, 1949, Serial No. 543,519.

Slipezy

FOR PAPER SHEETS APPLIED TO REFRIGERATOR ICE TRAYS.
Claims use since June 15, 1947.

521,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KUSTER LABORATORIES, INC., San Francisco, Calif. Original filed, act of 1946, Principal Register, Mar. 30, 1948; amended to application, Supplemental Register, Dec. 17, 1949, Serial No. 553,380.

MEE SOO

The expression "Mee Soo" means "Mother of Flavors."
FOR FOOD PRODUCT CONTAINING MONOSODIUM GLUTAMATE, LACTOSE AND SALT—NAMELY, FOOD SEASONING POWDER.
Claims use since July 26, 1947.

521,071. (CLASS 6. CHEMICALS AND CHEMICAL COMPOSITIONS.) DAVID F. SILVER, doing business as Davadon Laboratories, Peekskill, N. Y. Original filed, act of 1946, Principal Register, Apr. 14, 1948; amended to application, Supplemental Register, Oct. 14, 1949, Serial No. 554,615.

fish-o-roma

FOR CHEMICAL PREPARATIONS FOR TREATING ARTIFICIAL BAIT.
Claims use since Mar. 1, 1948.

521,072. (CLASS 15. OILS AND GREASES.) QUAKER STATE OIL REFINING CORPORATION, Oil City, Pa. Original filed, act of 1946, Principal Register, Apr. 28, 1948; amended to application, Supplemental Register, June 2, 1949, Serial No. 555,767.



FOR MOTOR OIL.
Claims use since Nov. 16, 1926.

521,073. (CLASS 12. CONSTRUCTION MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Original filed, act of 1946, Principal Register, June 5, 1948; amended to application, Supplemental Register, Nov. 21, 1949, Serial No. 558,591.

WET-PATCH

FOR PLASTIC REINFORCED WITH LONG ASBESTOS FIBRES ADAPTED FOR USE AS AN EMERGENCY STOP-LEAK.
Claims use since August 1942.

521,074. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GLADYS E. TETER, doing business as Howard Manufacturing Company, Boston, Mass. Original filed, act of 1946, Principal Register, Sept. 9, 1948; amended to application, Supplemental Register, Sept. 23, 1949, Serial No. 564,915.

HI-LO

FOR THERMOMETER.
Claims use since July 3, 1948.

521,075. (CLASS 15. OILS AND GREASES.) TIZ-KWIK OIL PRODUCTS COMPANY, Wellsville, N. Y. Original filed, act of 1946, Principal Register, Dec. 30, 1948; amended to application, Supplemental Register, Nov. 14, 1949, Serial No. 571,366.

TIZ-KWIK

FOR PENETRATING OIL FOR RUST.
Claims use since June 11, 1948.

TRADE-MARK REGISTRATIONS RENEWED

33,801. "$4 RALSTON HEALTH SHOE" AND DESIGN. Registered Nov. 28, 1899. Churchill & Alden, Campello, Mass. Re-renewed Nov. 28, 1949, to Doyle Shoe Company, Inc., Brockton, Mass., a corporation of Massachusetts. SHOES. Class 39.

76,344. REPRESENTATION OF CROCODILE. Registered Jan. 4, 1910. Ralph Martindale & Co., Limited, Birmingham, England, a corporation organised under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Jan. 4, 1950. MACHETES. Class 23.

76,952. SALIPYRIN. Registered Mar. 1, 1910. J. D. Riedel Aktiengesellschaft, Berlin, Germany. Re-renewed Mar. 1, 1950, to Riedel & Co. Inc., Brooklyn, N. Y., a corporation of New York. REMEDY FOR RHEUMATISM AND GRIPPE. Class 18.

76,960. WHITE HOUSE. Registered Mar. 1, 1910. The Brown Shoe Company. Re-renewed Mar. 1, 1950, to Brown Shoe Company, Inc., St. Louis, Mo., a corporation of New York. MEN'S AND WOMEN'S LEATHER, CANVAS, AND CLOTH SHOES. Class 39.

259,697. THE SHETLANDER. Registered Aug. 6, 1929. The Graff Company, Inc., New York, N. Y. Renewed Aug. 6, 1949, to J. Schoeneman, Inc., Baltimore, Md., a corporation of Maryland. MEN'S SUITS, TOPCOATS, AND OVERCOATS. Class 39.

259,969. TUF-WEAR. Registered Aug. 13, 1929. Oklahoma Steel Castings Company. Renewed Aug. 13, 1949, to Oklahoma Steel Castings Company, Inc., Tulsa, Okla., a corporation of Delaware. STEEL CASTINGS. Class 14.

260,806. TENDERONI. Registered Aug. 27, 1929. Bayard S. Scotland, Joliet, Ill. Renewed Aug. 27, 1949, to Stokely-Van Camp, Inc., Indianapolis, Ind., a corporation of Indiana. MACARONI. Class 46.

262,251. SNOW CREST. Registered Oct. 1, 1929. Earl Fruit Company, Wenatchee, Wash. Renewed Oct. 1, 1949, to Di Giorgio Fruit Corporation, San Francisco, Calif., a corporation of Delaware. FRESH APPLES AND FRESH PEARS. Class 46.

263,296. "FISHER'S GRIFFIN KEY" ETC. AND DRAWING. Registered Nov. 5, 1929. Fisher Flouring Mills Company, Seattle, Wash. Renewed Nov. 5, 1949, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash., a corporation of Washington. WHEAT FLOUR. Class 46.

263,297. "FISHER'S GREEN BIRD CAGE" AND DRAWING. Registered Nov. 5, 1929. Fisher Flouring Mills Company, Seattle, Wash. Renewed Nov. 5, 1949, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash., a corporation of Washington. WHEAT FLOUR. Class 46.

263,322. "FAIRFAX" AND DESIGN. Registered Nov. 5, 1929. Henry Sonneborn Company. Renewed Nov. 5, 1949, to Harry Myers & Company, Inc., Baltimore, Md., a corporation of Maryland. MEN'S AND BOYS' SUITS AND OVERCOATS. Class 39.

263,507. SOLOPHENYL. Registered Nov. 5, 1929. Geigy Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. DYESTUFFS, LAKES, AND CHEMICAL PRODUCTS SUITABLE FOR DYEING PURPOSES. Class 6.

263,560. MARCEL FRANCK. Registered Nov. 5, 1929. Marcel Franck, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. ATOMIZERS. Class 44.

263,774. WAITE'S. Registered Nov. 12, 1929. The Antidolor Mfg. Co., Inc., Springfield, N. Y. Renewed Nov. 12, 1949, to Cook-Waite Laboratories, Inc., New York, N. Y., a corporation of Delaware. DENTIFRICES, MOUTH WASHES, DENTAL AND MEDICAL ANTISEPTICS, ANESTHETICS, AND MEDICAMENTS FOR ORAL HYGIENE. Class 18.

264,163. HI-TEX. Registered Nov. 19, 1929. The Muralo Company, Inc., New Brighton, N. Y. Renewed Nov. 19, 1949, to The Muralo Company, Inc., Staten Island, N. Y., a corporation of New York. DRY POWDER TO BE MIXED WITH WATER AND USED AS A PLASTIC PAINT FOR PRODUCING TEXTURED AND RELIEF DECORATIONS FOR WALL AND CEILING SURFACES. Class 16.

264,164. MARVEL-TEX. Registered Nov. 19, 1929. The Muralo Company, Inc., New Brighton, N. Y. Renewed Nov. 19, 1949, to The Muralo Company, Inc., Staten Island, N. Y., a corporation of New York. DRY POWDER TO BE MIXED WITH WATER AND USED AS A PLASTIC PAINT FOR PRODUCING TEXTURED AND RELIEF DECORATIONS FOR WALL AND CEILING SURFACES. Class 16.

264,356. FORMOZOME. Registered Nov. 26, 1929. Charles D. Scott, Trenton, N. J. Renewed Nov. 26, 1949. ANTISEPTIC WAFERS USED AS AN ANTISEPTIC, GERMICIDE, ETC. Class 18.

264,939. PARAMOUNT. Registered Dec. 10, 1929. Rubie Blade Corporation, New York, N. Y. Renewed Dec. 10, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

264,940. PARAGON. Registered Dec. 10, 1929. Rubie Blade Corporation, New York, N. Y. Renewed Dec. 10, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

265,044. ENDOMIN. Registered Dec. 10, 1929. Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey. Renewed Dec. 10, 1949. MEDICINAL PRODUCTS CONTAINING IRON AND OTHER METAL SALTS FOR THE TREATMENT OF ANÆMIA, ETC. Class 18.

265,177. "LOG CABIN DONUTS" AND REPRESENTATION OF LOG CABIN. Registered Dec. 17, 1929. Joe Lowe Corporation, Brooklyn, N. Y. Renewed Dec. 17, 1949, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. DOUGHNUTS. Class 46.

265,524. "FULCO" AND HEAVY UNDERLINE. Registered Dec. 31, 1929. Fulton Bag & Cotton Mills, Atlanta, Ga., a corporation of Georgia. Renewed Dec. 31, 1949. FURNITURE PADS FOR USE WITH MOVING AND DELIVERY VANS. Class 50.

265,930. AER O PEL. Registered Jan. 7, 1930. American Blower Corporation, Detroit, Mich., a corporation of Delaware. Renewed Jan. 7, 1950. ELECTRIC VENTILATING FANS. Class 21.

266,071. "CASCO" AND REPRESENTATION OF HORSES. Registered Jan. 14, 1930. The Casein Manufacturing Company of America, Inc., Wilmington, Del. Renewed Jan. 14, 1950, to The Borden Company, New York, N. Y., a corporation of New Jersey. GLUE. Class 5.

266,166. "'BLACK LEAF 40'" ETC. Registered Jan. 14, 1930. Tobacco By-Products and Chemical Corporation, Wilmington, Del., and Louisville, Ky. Renewed Jan. 14, 1950, to Tobacco By-Products and Chemical Corporation, Richmond, Va., a corporation of Delaware. TOBACCO EXTRACTS AND NICOTINE SOLUTIONS AND COMPOUNDS FOR INSECTICIDE PURPOSES—NAMELY, AS REGARDS AGRICULTURAL, HORTICULTURAL, VETERINARY, POULTRY, HOUSEHOLD, AND SANITARY USES. Class 6.

266,175. "'BLACK LEAF 40'" ETC. AND REPRESENTATION OF BLACK LEAF. Registered Jan. 14, 1930. Tobacco By-Products and Chemical Corporation, Wilmington, Del., and Louisville, Ky. Renewed Jan. 14, 1950, to Tobacco By-Products and Chemical Corporation, Richmond, Va., a corporation of Delaware. TOBACCO EXTRACTS AND NICOTINE SOLUTIONS AND COMPOUNDS FOR INSECTICIDE PURPOSES—NAMELY, AS REGARDS AGRICULTURAL, HORTICULTURAL, VETERINARY, POULTRY, HOUSEHOLD, AND SANITARY USES. Class 6.

266,321. CYCLONE. Registered Jan. 14, 1930. George H. Hansen, Philadelphia, Pa. Renewed Jan. 14, 1950, to Breuer Electric Mfg. Company, Chicago, Ill., a corporation of Illinois. ELECTRICALLY-DRIVEN PORTABLE ELECTRIC CLEANING BLOWERS AND SUCTION CLEANERS AND SPRAYERS, TORCHES, AND OTHER ATTACHMENTS THEREFOR. Class 21.

267,413. JAYBEECO. Registered Feb. 18, 1930. John Boyle & Company, Incorporated, New York, N. Y., a corporation of New York. Renewed Feb. 18, 1950. COTTON DUCK AND FILTER CLOTH IN THE PIECE. Class 42.

268,224. "FLS" AND DESIGN. Registered Mar. 11, 1930. F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey. Renewed Mar. 11, 1950. CEMENT-MAKING MACHINERY — NAMELY, AGITATORS, CONVEYORS, COOLERS, CRUSHERS, ETC. Class 23.

268,247. SEAFED. Registered Mar. 11, 1930. Oceanic Sales Co., Seattle, Wash., a corporation of Washington. Renewed Mar. 11, 1950. CANNED SALMON. Class 46.

268,501. "LUZIANNE 100% GOOD" AND DRAWING. Registered Mar. 18, 1930. Wm. B. Reily & Company, Inc., New Orleans, La., a corporation of Louisiana. Renewed Mar. 18, 1950. COFFEE AND CHICORY COMPOUND. Class 46.

268,809. "CARAVAN SALTED MIXED NUTS" AND DRAWING. Registered Mar. 18, 1930. The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Mar. 18, 1950. SALTED MIXED NUTS. Class 46.

269,028. MILTEX. Registered Mar. 25, 1930. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Mar. 25, 1950, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SOAP. Class 52.

269,320. AMLA. Registered Apr. 1, 1930. American Lanolin Corporation, Lawrence, Mass., a corporation of Massachusetts. Renewed Apr. 1, 1950. FACE CREAM. Class 51.

269,586. "HOLLY HILL GROVES" AND DESIGN. Registered Apr. 15, 1930. Holly Hill Fruit Products, Inc., Davenport, Fla., a corporation of Florida. Renewed Apr. 15, 1950. FRESH CITRUS FRUITS. Class 46.

269,659. "GOODYEAR EAGLE" AND REPRESENTATION OF EAGLE. Registered Apr. 15, 1930. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Apr. 15, 1950. PNEUMATIC TIRES CONSTRUCTED WHOLLY OR PARTLY OF RUBBER AND USED FOR MOTOR TRUCKS, MOTOR CARS, ETC. Class 35.

269,683. "TRIP-O-LAY" AND PORTRAIT. Registered Apr. 15, 1930. Tripoli Barber Supply Co. Inc. Renewed Apr. 15, 1950, to Tripoli Barbers' Supply Company, Philadelphia, Pa., a copartnership. HAIRDRESSINGS. Class 51.

269,832. "GOLDEN NUGGET" AND DESIGN. Registered Apr. 22, 1930. Golden Nugget Sweets. Renewed Apr. 22, 1950, to Golden Nugget Sweets, Ltd., San Francisco, Calif., a limited partnership. CANDY. Class 46.

269,912. "OWL BRAND" AND REPRESENTATION OF OWL, ETC. Registered Apr. 22, 1930. Rolled Plate Metal Company, New York, N. Y. Renewed Apr. 22, 1950, to Rolled Plate Metal Company, Brooklyn, N. Y., a corporation of New York. COPPER AND ZINC PHOTOENGRAVERS' PLATES. Class 14.

269,974. VAC-CHEM. Registered Apr. 22, 1930. Beach-Russ Co., Brooklyn, N. Y., a corporation of New York. Renewed Apr. 22, 1950. PUMPS. Class 23.

270,061. "ANTÊME" AND DESIGN. Registered Apr. 22, 1930. M. C. Schrank & Company, Bridgeton, N. J., a corporation of New Jersey. Renewed Apr. 22, 1950. UNDERWEAR FOR WOMEN, OF KNITTED, NETTED, AND TEXTILE FABRICS; CORSETS, DRESSES; ETC. Class 39.

270,065. "BYRON" ETC. AND DESIGN. Registered Apr. 22, 1930. Byron Hat Corporation, New York, N. Y. Renewed Apr. 22, 1950, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. HATS AND CAPS FOR MEN, OVERCOATS FOR MEN, HATS FOR WOMEN, WOMEN'S DRESSES, AND WOMEN'S COATS. Class 39.

270,108. AIRON. Registered Apr. 29, 1930. Detroit Graphite Company. Renewed Apr. 29, 1950, to Detroit Graphite Company, Detroit, Mich., a corporation of Delaware. READY-MIXED PAINT. Class 16.

270,177. THE NEW YORKER. Registered Apr. 29, 1930. Van Baalen Heilbrun & Co. Renewed Apr. 29, 1950, to Van Baalen Heilbrun & Co., Inc., New York, N. Y., a corporation of New York. LOUNGING ROBES, HOUSE COATS, BATH ROBES, AND SMOKING JACKETS. Class 39.

270,189. FORT DEARBORN. Registered Apr. 29, 1930. Geo. Rasmussen Co. Renewed Apr. 29, 1950, to National Tea Co., Chicago, Ill., a corporation of Illinois. NONALCOHOLIC BEVERAGES—TO WIT, BOILED CIDER AND GRAPE JUICE. Class 45.

TRADE-MARK REGISTRATIONS CANCELED

367,091. "USS STORM SEAL" AND DESIGN. Registered May 9, 1939. Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. METALLIC ROOFING SHEETS. Class 12. Canceled Jan. 17, 1950.

404,629. MIKE'S HAIR MINNOW. Registered Dec. 7, 1943. Freeman S. Mikesell, Chetek, Wis. ARTIFICIAL BAIT. Class 22. Canceled Jan. 16, 1950.

422,089. FARMCO. Registered July 2, 1946. Farmco, Inc., Jersey City, N. J., and New York, N. Y. ELECTRIC REFRIGERATORS. Class 31. Canceled Jan. 13, 1950.

422,211. FARMCO. Registered July 9, 1946. Farmco, Inc., Jersey City, N. J., and New York, N. Y. GAS WATER HEATERS. Class 34. Canceled Jan. 13, 1950.

423,515. FARMCO. Registered Sept. 3, 1946. Farmco, Inc., Jersey City, N. J., and New York, N. Y. ELECTRIC MOTORS. Class 21. Canceled Jan. 13, 1950.

423,516. FARMCO. Registered Sept. 3, 1946. Farmco, Inc., Jersey City, N. J., and New York, N. Y. ELECTRIC CREAM SEPARATORS. Class 23. Canceled Jan. 13, 1950.

425,848. AIREX. Registered Dec. 3, 1946. New Rexbilt Leather Goods Corporation, New York, N. Y. LEATHER GOODS—NAMELY, BRIEF CASES, ETC. Class 3. Canceled Jan. 16, 1950.

431,216. FARMCO. Registered July 15, 1947. Farmco, Inc., Jersey City, N. J., and New York, N. Y. HOUSEHOLD TYPE ELECTRIC CLOTHES WASHING MACHINES. Class 24. Canceled Jan. 13, 1950.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

266,968. "UNITY FOR SERVICE NATIONAL EXCHANGE CLUB" AND DESIGN. Registered Feb. 11, 1930. The National Exchange Club, Toledo, Ohio. PRINTED PAPER BANNERS, ETC. Class 38. Corrected as follows:



269,585. FARM-TESTED. Registered Apr. 15, 1930. General Mills, Inc., Minneapolis, Minn. STOCK AND POULTRY FEED. Class 46. Amended as follows: In the statement, column 2, lines 5 through 13 are deleted and *Applicant is the owner of Trade-Mark Registration No. 256,524 registered May 21, 1929, and Registration No. 229,848 registered July 5, 1947.* is inserted in lieu thereof.

383,432. BLACK HAWK. Registered Dec. 10, 1940. The Ohio Cultivator Company, Bellevue, Ohio. ONE-WAY DISC PLOWS, ETC. Class 23. Corrected as follows: In the statement, column 2, line 6, "September 5, 1925" should be deleted and *about January 1, 1897* inserted in lieu thereof.

510,528. QUIK-SEAL. Registered June 7, 1949. Quik-Seal, Inc., Kansas City, Kans. SEALING MACHINES FOR WRAPPED PACKAGES. Class 23. Corrected as follows: In the certificate, lines 2 and 3, address of registrant, for "Kansas City, Missouri" read *Kansas City, Kansas*; in the heading to the printed statement, line 1, for "Kansas City, Mo." read *Kansas City, Kans.*

517,768. REPRESENTATION OF A TOWER. Registered Nov. 22, 1949. York Street Flax Spinning Co. Limited, Belfast, Ireland. LINEN PIECE GOODS AND LINEN UNION PIECE GOODS IN WHICH LINEN PREDOMINATES. Class 42. Corrected as follows: In the statement, first column, line 8, description of merchandise, for the word "FOODS" read *GOODS.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

356,201. "EUROPA" AND DESIGN. Registered Apr. 19, 1938. Intercontinental Meat Corporation. CANNED HAMS AND PICNICS. Class 46. New certificate under section 7(c) issued Feb. 14, 1950, to Intercontinental Packers, Ltd., Saskatoon, Saskatchewan, Canada, a corporation of Canada.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 230,763. Registered Aug. 2, 1927. JOE T. MCCLARAN, doing business as Sunshine Hatcheries, Corydon, Ind. Republished by Sunshine Hatcheries, Corydon, Ind., a copartnership.



The word "Hatcheries" and the pictorial representation of a chick are disclaimed apart from the mark as shown.

FOR BABY CHICKS.

Claims use since 1913.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 193,915. Registered Jan. 13, 1925. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

CADALYTE

FOR METALLIC SALTS FOR ELECTROLYTIC PLATING.

Claims use since Aug. 25, 1924.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 142,583. Registered May 17, 1921. THE INTERNATIONAL NICKEL CO., New York, N. Y. Republished by The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware.

MONEL

FOR METAL ALLOYS CONTAINING NICKEL AND COPPER.

Claims use since about Aug. 30, 1905.

Reg. No. 308,200. Registered Nov. 21, 1933. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

INCONEL

FOR NICKEL ALLOYS AND ALLOYS OF NICKEL, CHROMIUM, AND IRON.

Claims use since Nov. 25, 1932.

Reg. No. 403,265. Registered Sept. 14, 1943. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR NICKEL-CONTAINING ALLOYS — NAMELY, THOSE IN THE FORM OF ALLOYS OF NICKEL, CHROMIUM AND IRON IN THE FORM OF BLOOMS, BILLETS, SLABS, SHEET BARS, RODS, PLATE, SHEET, STRIP, TUBING, WIRE, WELDING RODS, CASTINGS.

Claims use since Nov. 25, 1932.

Reg. No. 403,505. Registered Sept. 28, 1943. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR NICKEL CONTAINING ALLOYS—NAMELY, THOSE CONTAINING NICKEL AND COPPER, IN THE FORM OF BLOOMS, BILLETS, SLABS, SHEET BARS, RODS, PLATE, SHEET, STRIP, TUBING, WIRE, WELDING RODS, CASTINGS, SHOT, AND BLOCK.

Claims use since Apr. 29, 1919.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 409,053. Registered Sept. 12, 1944. HARTLEY WIRE DIE COMPANY, Thomaston, Conn. Republished by Hartley Tool & Die Company, Thomaston, Conn., a firm.



FOR CEMENTED CARBIDE DIES FOR DRAWING, EXTRUDING, HEADING AND STAMPING; WIRE DRAWING DIES EMBODYING THE USE OF A DIAMOND FOR DRAWING WIRE; CEMENTED CARBIDE WEAR RESISTANCE PARTS—NAMELY, GUIDES AND BUSHINGS; AND CEMENTED CARBIDE SPECIAL TOOLS—NAMELY, FORM TOOLS, REAMERS, DRILLS, AND CUTTERS.
Claims use since April 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 355,528. Registered Mar. 22, 1938. BLACKSTONE MANUFACTURING COMPANY, INC., Jamestown, N. Y. Republished by Blackstone Corporation, Jamestown, N. Y., a corporation of New York.

HYDRACTOR

FOR LAUNDRY WASHING MACHINES.
Claims use since May 5, 1937.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 61,800. Registered Apr. 9, 1907. GEO. BRAY & Co., LIMITED, Leeds, England, a corporation of Great Britain. Republished by registrant.

CETO

FOR GAS-BURNERS OF ORDINARY METAL.
Claims use since July 30, 1902.

Reg. No. 61,801. Registered Apr. 9, 1907. GEO. BRAY & CO., LIMITED, Leeds, England, a corporation of Great Britain. Republished by registrant.

BETO

FOR GAS-BURNERS OF ORDINARY METAL.
Claims use since July 30, 1902.

Reg. No. 61,802. Registered Apr. 9, 1907. GEO. BRAY & Co., LIMITED, Leeds, England, a corporation of Great Britain. Republished by registrant.

BRAY'S "SPECIAL"

FOR METAL GAS-BURNERS.
Claims use since Aug. 19, 1884.

Reg. No. 61,804. Registered Apr. 9, 1907. GEO. BRAY & Co., LIMITED, Leeds, England, a corporation of Great Britain. Republished by registrant.

VIKA

FOR GAS-BURNERS OF ORDINARY METAL.
Claims use since Aug. 21, 1902.

Reg. No. 61,805. Registered Apr. 9, 1907. GEO. BRAY & Co., LIMITED, Leeds, England, a corporation of Great Britain. Republished by registrant.

OTA

FOR GAS-BURNERS OF ORDINARY METAL.
Claims use since Aug. 19, 1902.

Reg. No. 87,724. Registered Aug. 6, 1912. GEO. BRAY & Co., LIMITED, Leeds, England, a corporation of Great Britain. Republished by registrant.

LUTA

FOR GAS-BURNERS OF ORDINARY METAL.
Claims use since Nov. 15, 1901.

Reg. No. 186,280. Registered July 8, 1924. GEO. BRAY & Co., LIMITED, Leeds, England, a corporation of Great Britain. Republished by registrant.

NETO

FOR GAS BURNERS.
Claims use since Nov. 14, 1923.

CLASS 39

CLOTHING

Reg. No. 259,505. Registered July 30, 1929. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.

FAN-TAN

FOR TENNIS SHOES OR SNEAKERS WITH CANVAS OR FABRIC UPPERS AND VULCANIZED RUBBER BOTTOMS.
Claims use since about Mar. 13, 1929.

Reg. No. 262,191. Registered Oct. 1, 1929. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.



The words "America's Standard" are disclaimed apart from the mark as shown.
FOR BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER AND/OR FABRIC OR ANY COMBINATIONS THEREOF.
Claims use since about Apr. 20, 1929.

Reg. No. 265,733. Registered Jan. 7, 1930. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.



"Scrimmage"

FOR BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since about Aug. 13, 1929.

Reg. No. 265,735. Registered Jan. 7, 1930. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.



No claim is made to the outline of the shoes shown in dotted lines.
FOR BOOTS AND SHOES MADE OF LEATHER, AND CANVAS SHOES WITH VULCANIZED-RUBBER BOTTOMS COMMONLY KNOWN AS TENNIS SHOES OR SNEAKERS.
Claims use since about July 31, 1929.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 73,104. Registered Mar. 16, 1909. BRADAS & GHEENS, Louisville, Ky. Republished by Bradas & Gheens, Inc., Louisville, Ky., a corporation of Kentucky.



FOR CANDY.
Claims use since about 1881.

Reg. No. 215,434. Registered July 20, 1926. MYLES SALT CO., LTD., New Orleans, La. Republished by Morton Salt Company, Chicago, Ill., a corporation of Illinois



The words "Myles Preferred Salt" are disclaimed apart from the mark as shown. The drawing is lined for the colors blue and red.
FOR SALT.
Claims use since on or about Feb. 5, 1924.

Reg. No. 215,460. Registered July 20, 1926. MYLES SALT CO., LTD., New Orleans, La. Republished by Morton Salt Company, Chicago, Ill., a corporation of Illinois.



The word features are disclaimed apart from the mark as shown. The drawing is lined for the colors red, yellow, and blue.

FOR SALT.

Claims use since on or about Jan. 1, 1924.

Reg. No. 277,865. Registered Dec. 2, 1930. F. A. SCHNEIDER, doing business as Warren Dried Fruit Co., San Jose, Calif. Republished by Warren Dried Fruit Co., San Jose, Calif., a firm.

WARREN

FOR DRIED FRUITS—NAMELY, PRUNES.

Claims use since 1892.

Reg. No. 323,080. Registered Apr. 2, 1935. MYLES SALT CO., LTD., New Orleans, La. Republished by Morton Salt Company, Chicago, Ill, a corporation of Illinois.



FOR TABLE SALT.

Claims use since on or about Sept. 21, 1934.

Reg. No. 417,503. Registered Oct. 30, 1945. MCDONALD & OLLIFF, INC., Wauchula, Fla., a corporation of Florida. Republished by registrant.

MEMPHIS BELLE

The word "Memphis" is disclaimed apart from the mark as shown.

FOR CITRUS JUICES FOR FOOD PURPOSES, AND FRESH CITRUS FRUITS.

Claims use since Apr. 19, 1945.

Reg. No. 417,634. Registered Nov. 6, 1945. MCDONALD & OLLIFF, INC., Wauchula, Fla., a corporation of Florida. Republished by registrant.

WAHOO

FOR CITRUS JUICES FOR FOOD PURPOSES, AND FRESH CITRUS FRUITS.

Claims use since Apr. 19, 1945.

Reg. No. 440,929. Registered Oct. 12, 1948. MCDONALD & OLLIFF, INC., Wauchula, Fla., a corporation of Florida. Republished by registrant.

MIST O' GOLD

FOR CANNED CITRUS FRUIT JUICE AND CANNED CITRUS FRUIT SECTIONS.

Claims use since June 10, 1946.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 33,688. Registered Nov. 7, 1899. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Republished by registrant.

4

FOR TOILET SOAP.

Claims use since July 1, 1897.

REISSUES

FEBRUARY 14, 1950

23,197

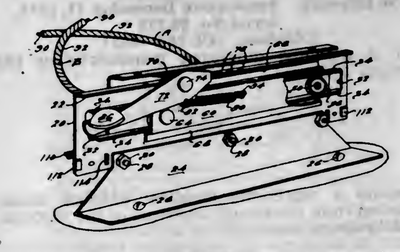
SEAT SLIDE STRUCTURE

Harold E. Nofz, Detroit, Mich., assignor to National Stamping Company, Detroit, Mich., a corporation of Michigan

Original No. 2,446,241, dated August 3, 1948, Serial No. 592,501, May 7, 1945. Application for reissue October 25, 1949, Serial No. 123,501

9 Claims. (Cl. 308—6)

1. In a seat slide structure, in combination, a supporting unit comprising a rail member and a slide member, said members each comprising an elongated substantially flat sheet metal portion arranged with its plane of thickness vertical and said portions being arranged in slidable but substantially contacting relation with respect to each other, one of said members having longitudinally extending slot means formed therein, the metal of said member along the upper and lower edges of said slot means being bent out of the plane of said member whereby to provide a track means of greater width than the thickness of said member, the other of said members having pins fixed thereto and projecting perpendicularly therefrom, and rollers received on each of said pins within said slot means and in supported re-



lation with respect to said track means, and outboard support means carried by the pins and engageable with said slotted member to hold said rollers aligned properly in the track means.

PLANT PATENTS

GRANTED FEBRUARY 14, 1950

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

922

ROSE PLANT

Theodore John Morris, deceased, late of Van Nuys, Calif., by Lillian Adelle Morris, administratrix, Van Nuys, Calif., assignor to Germain's Inc., Van Nuys, Calif., a corporation of California

Application August 30, 1948, Serial No. 46,861

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by the exceptionally bright unfading color of its blooms; their long keeping qualities both on the plant and as cut-flowers; their habit of opening slowly in all types of weather; its heavy foliage and long, strong stems bearing single blooms, substantially as shown and described.

923

ROSE PLANT

Theodore John Morris, deceased, late of Van Nuys, Calif., by Lillian Adelle Morris, administratrix, Van Nuys, Calif., assignor to Germain's Inc., Van Nuys, Calif., a corporation of California

Application August 30, 1948, Serial No. 46,862

1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant characterized as to novelty by its exceptional free-blooming habit; its vigorous branching habit of growth; its relative freedom from thorns; its ease of propagation; and the distinctive color of its flowers, substantially as shown and described.

924

PEACH TREE

Lawrence W. Sherwood, Fullerton, Calif.

Application February 25, 1948, Serial No. 10,781

1 Claim. (Cl. 47—62)

The new and distinct variety of free stone peach tree, substantially as herein disclosed, characterized particularly by its vigorous and dense growth, its early bearing and heavy producing qualities; its vigor indicating longevity; its late ripening season; its unusual leaf; and its fruit having scant fuzz, excellent keeping and shipping qualities and pearl white flesh of unusual denseness and lack of fibre.

PATENTS

GRANTED FEBRUARY 14, 1950

2,497,060

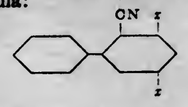
3,5-DIHALOGEN-2-CYANODIPHENYLS

Saul R. Buc, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 31, 1948, Serial No. 68,733

3 Claims. (Cl. 260—465)

1. A diphenyl dihalogen mononitrile of the general formula:



wherein x represents identical halogen atoms selected from the group consisting of the chlorine and bromine atoms.

2,497,061

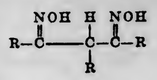
ALKANEDIONE DIOXIMES AS ANTIOXIDANTS FOR PRESERVING ORGANIC COMPOSITIONS WHICH TEND TO DETERIORATE BY THE ABSORPTION OF OXYGEN FROM THE AIR

Henry B. Kellog, Binghamton, N. Y.

No Drawing. Application March 24, 1947, Serial No. 736,620

14 Claims. (Cl. 99—163)

1. An organic substance which tends to deteriorate by the absorption of oxygen from the air containing, in anti-oxidizing amount, an alkanedione dioxime of the following general formula:



wherein R is an alkyl group.

2,497,062

PROCESS FOR THE PRODUCTION OF ALKALI METAL PHYTATES

Neal E. Artz, Oak Park, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 17, 1947, Serial No. 735,239

14 Claims. (Cl. 260—461)

1. The process which comprises effecting chemical reaction between (A) a metal phytate precipitate comprising essentially a material selected from the group consisting of calcium phytate, magnesium phytate and mixtures thereof and obtained as a precipitate resulting from the treatment of an acidic plant extract with an alkaline material selected from the group consisting of lime, calcium hydroxide and magnesium hydroxide, and (B) an alkali metal hydroxide in (C) a water medium, and recovering alkali metal phytate; the ratio of said metal phytate precipitate, on a dry basis, to alkali metal hydroxide, on a dry basis, to water being metal phytate precipitate 5, alkali metal hydroxide 6 to 10 and water 2 to 20, the temperature of said medium during reaction being within the range of from about 190° F. to 240° F.

2,497,063

PROCESS FOR THE PRODUCTION OF ALKALI METAL PHYTATES

Neal E. Artz, Oak Park, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 17, 1947, Serial No. 735,240

4 Claims. (Cl. 260—461)

1. The process which comprises mixing a magnesium phytate precipitate obtained from the treatment of corn steep liquor with magnesium hydroxide, with a highly diluted aqueous solution of an alkali metal hydroxide to effect a chemical reaction between said magnesium phytate and said alkali metal hydroxide, the proportions of said reactants being at least 2 mols of alkali metal hydroxide for each atom of phytic acid phosphorus present in said magnesium phytate precipitate, the temperature during the reaction being maintained at less than about 120° F., and the time during which the reaction is effected being at least about one hour.

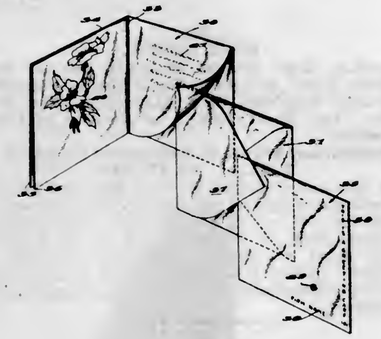
2,497,064

GREETING CARD AND ENVELOPE ASSEMBLY

William C. Baynes, Washington, D. C.

Application May 22, 1947, Serial No. 749,748

12 Claims. (Cl. 229—92.8)



1. The combination comprising a French-folded greeting card, an envelope therefor having a closure flap and disposed between the two sheets of the card with the hinge of said closure flap coinciding with the vertical fold line of the card and an adjacent edge of the envelope coinciding with the horizontal fold line of the card, an insert sheet extending between said closure flap and the envelope proper, said insert sheet bearing indicia on an exposed marginal portion extending beyond a pair of unfolded edges of the card, and a direct adhesive connection between the inner sheet of the card and the insert sheet.

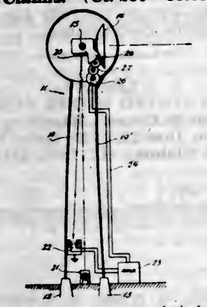
2,497,065

STABILIZED TOWER SUPPORTED ANTENNA

Frederick D. Braddon, Babylon, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application December 26, 1947, Serial No. 794,024

10 Claims. (Cl. 250—33.65)



5. In an apparatus for maintaining a radio scanning device pivotally mounted on a ship's mast in a predetermined line of sight, wherein said device is stabilized about said pivotal mounting against rolling of the ship by a servomotor controlled in part from a gyro vertical, an improvement therein for preventing errors in the line of sight due to bending of the mast comprising means for producing a reversible signal upon flexure of the mast in either direction including a photo-electric device disposed near one end of the mast and a beam of light directed from the other end of the mast, and means for correcting said servomotor by said signal means to compensate for flexure of the mast.

2,497,066

METHOD OF MAKING CONDENSERS

Joseph B. Brennan, Bratenahl, Ohio, assignor to Everett D. McCurdy, trustee

Application April 14, 1944, Serial No. 530,996

1 Claim. (Cl. 154—80)



The method of making condensers which includes the steps of providing an aluminum plate with an adherent, capillary porous, electroformed dielectric film by subjecting the aluminum to electrolysis as an anode in an aqueous solution of a potential condensation product of urea and formaldehyde having boric acid and ammonium hydroxide added thereto, and carrying out the electrolysis at a voltage such that sparking takes place on the surface of the aluminum, assembling the plate with another metallic plate directly juxtaposed thereto, and impregnating the assembly with an adhesive dielectric material.

2,497,067

MINERAL OIL COMPOSITION CONTAINING A THENYLAMINE

Howard D. Hartough, Pitman, and Sigmund J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Original application December 21, 1945, Serial No. 636,511. Divided and this application January 29, 1947, Serial No. 725,160

3 Claims. (Cl. 252—47)

3. A mineral lubricating oil containing a minor proportion, effective to reduce corrosion of bearings, of a thenylamine selected from the group consisting of 2-thenylamine and di-2-thenylamine.

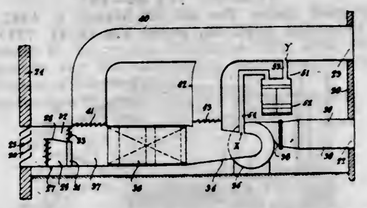
2,497,068

AIR VENTILATING SYSTEM WITH MALODOR REDUCING MEANS

Arthur Warren Canney, New York, N. Y., assignor to Airkem, Inc., New York, N. Y., a corporation of New York

Application January 6, 1945, Serial No. 571,620

9 Claims. (Cl. 98—33)



1. Air ventilating system for enclosed spaces of occupancy comprising, in combination, an air inlet passage for drawing in outside air, a fan having discharge means and intake means with the latter connected to said inlet passage, a supply passage connected to said fan discharge means to supply air to an enclosed space of occupancy, a mal-odor-reducing air-quality-improving liquid evaporating means having a passage extending therethrough adapted to bring air into contact with such liquid to entrain a quantity thereof in vapor form as that air passes through that passage, and means connecting the evaporating passage at one end substantially directly to a source of substantially stable inside air of an enclosed space of occupancy and at the other end substantially directly to the fan intake means whereby an appreciable differential in pressure will create air flow at a relatively high rate through the evaporating passage.

2,497,069

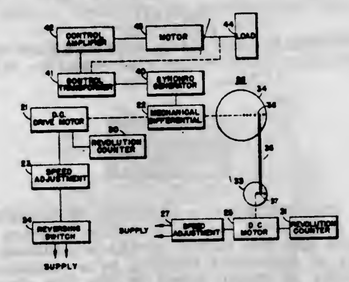
SERVO SYSTEM TESTING

Ralph A. Carpenter and Donald M. Lowe, Washington, D. C.

Application January 15, 1946, Serial No. 641,362

5 Claims. (Cl. 73—1)

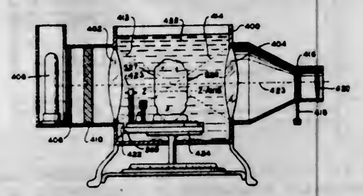
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A test device for a servo control system which includes a synchro generator comprising two variable speed motors, a differential coupled to one of said motors driving the synchro generator, oscillatory means coupled to the other motor operative to change the rotary motion thereof to

a substantially simple harmonic motion, and means coupling the oscillatory means to the differential means.

2,497,070
CRYSTAL ANALYSIS APPARATUS HAVING A REMOVABLE CRYSTAL HOLDER
Joseph E. Coleman, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War
Application May 18, 1945, Serial No. 594,467
3 Claims. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In apparatus for manufacturing oscillator plates from crystals, in which the optical axis of the crystal is located by passing polarized light through the crystal while it is submerged in an immersion bath, the improvement comprising a container for the immersion bath, means for passing a beam of polarized light into the container in a predetermined direction, a guide support in fixed relationship with the container, a removable holder including a portion engaging the guide support in a predetermined position, means mounted on the holder for supporting a crystal supported thereon for rotation about one axis and tilting movement about another axis relative to the guide support engaging portion of the holder while the crystal is in the immersion bath and in the path of the polarized light beam entering the container, both of said axes being angularly related to the axis of said light beam, a viewer mounted on the container and through which a crystal on said holder may be observed in said light beam as the crystal is rotated and tilted about said axes to determine by the appearance of typical concentric interference bands in the crystal when the optical axis of the crystal is coincident with the axis of the light beam.

2,497,071
PACKAGE
William Homer Colgate, Highland Park, Ill.
Application November 21, 1944, Serial No. 564,428
3 Claims. (Cl. 206—45.31)



1. In combination, a container formed from a one piece blank having fold lines defining top, bottom and side panels, means to maintain the blank in assembled position as a container, a plurality of match books or the like disposed within said container, said match books each having a cover including a retaining flap secured thereto adjacent one end and a cover portion inserted beneath said retaining flap, an aperture in the top through which at least certain of said match books in the container are displayed, a flap integral with said blank extending parallel to the top of the container from one side thereof towards the said aperture, a second flap integral with the last named flap extending reversely from said aperture towards said one side and contacting the cover portion of the match book covers and extending toward the retaining flap thereof whereby the match books are locked within the container.

2,497,072
TORSION SPRING WHEEL SUSPENSION
Arthur B. Cooper, Massillon, Ohio
Application June 14, 1947, Serial No. 754,699
5 Claims. (Cl. 280—124)



In a vehicle, a frame, a transverse tubular member in the frame, a block fixed within the central portion of the tubular member and having a square longitudinal opening therethrough, torsion bars located in each end portion of the tubular member, both ends of each torsion bar being square, the inner square ends of the torsion bars being located in the square opening in said block, torque arms having journal bosses journalled in the ends of the tubular member, said journal bosses having square openings therein receiving the square outer ends of the torsion bars, axles attached to the torque arms on one side of the journal bosses an ear upon each torque arm on the end thereof which is on the opposite side of the journal boss, said ear having an arcuate slot therein concentric with the torsion bar, a bolt fixed upon each end of the tubular member and located through the adjacent arcuate slot to limit the swinging movement of the torque arms relative to the tubular member, and a nut upon the bolt for retaining the journal boss in the tubular member and for holding the torque arms against substantial transverse movement.

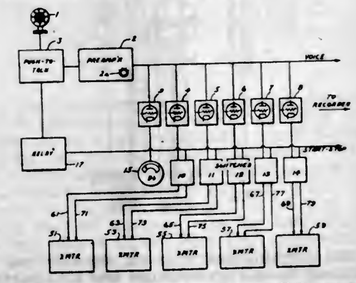
2,497,073
REACTION PRODUCTS OF DICYANDIAMIDE WITH AN AMINE-FORMALDEHYDE REACTION PRODUCT
James R. Dudley, Darien, and John A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 5, 1947, Serial No. 732,658
2 Claims. (Cl. 260—70)

1. The method of preparing a new synthetic composition especially adapted for use as a cationic modifier of urea-formaldehyde resins, said method comprising heating together under reflux (1) an aqueous solution of formaldehyde and (2) an aqueous solution of N-methylaniline hydrochloride produced by dissolving N-methylaniline in concentrated hydrochloric acid in the ratio of 1.1 mols of HCl per mol of N-methylaniline, the formaldehyde of (1) and the N-methylaniline used in forming the N-methylaniline hydrochloride of (2) being employed in the ratio of 0.75 mol of formaldehyde per mol of N-methylaniline, adding dicyandiamide to the resulting aqueous solution of the N-methylaniline-formaldehyde reaction product in an amount corresponding to 1.1 mols thereof per mol of N-methylaniline used in forming the N-methylaniline hydrochloride, and heating the resulting aqueous, acidic reaction mass under reflux to effect reaction between the said dicyandiamide and the said N-methylaniline-formaldehyde reaction product.

2,497,074
MODIFIED UREA-FORMALDEHYDE RESINS AND METHODS OF PREPARING THE SAME
James R. Dudley, Darien, and John A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 5, 1947, Serial No. 732,659
17 Claims. (Cl. 260—29.4)

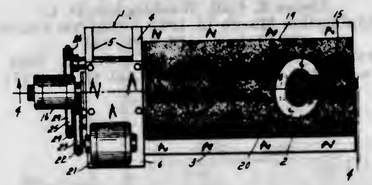
1. A resinous composition comprising a urea-formaldehyde resin chemically combined under heat with a water-soluble product of reaction under heat of (1) dicyandiamide with (2) the water-soluble product of reaction, under heat and acid conditions and in the presence of a liquid medium comprising water, of formaldehyde and an amine selected from the class consisting of primary aromatic hydrocarbon monoamines and secondary hydrocarbon monoamines having at least one aryl radical attached directly to the amine nitrogen atom, each aryl radical of the said primary and secondary monoamines having at least two of its ortho and para positions unsubstituted, the formaldehyde and the amine being employed in the ratio of from about 0.5 to about 1.5 mols of formaldehyde per mol of the amine, and the dicyandiamide of (1) being employed in an amount corresponding to at least about 0.9 mol thereof per mol of the amine used in forming the reaction product of (2).

2,497,075
VOICE INPUT CONTROL SYSTEM
William F. Ebert, Rutledge, Pa.
Application March 12, 1946, Serial No. 653,914
1 Claim. (Cl. 179—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



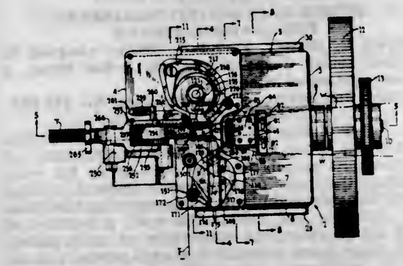
Radio-frequency energy-transmitting apparatus comprising a plurality of transmitters adapted to provide a like plurality of radio-frequency carrier waves, a transducer for converting voice frequencies into an electrical output, means normally short-circuiting said transducer to render the same inoperative to affect said transmitters, a plurality of normally deenergized electron discharge tubes having respective control grids connected in parallel with each other and having individual input circuits respectively connected to said transducer, said electron discharge tubes also having individual cathode-coupled output circuits, and means operable upon removal of said short-circuiting means to couple the output circuits of said electron discharge tubes to selected ones of said transmitters, said output-circuit-coupling means comprising a relay actuatable simultaneously with deactivation of said short-circuiting means to effect energization of each of said tubes, and selectively operable switch means connecting individual cathode-coupled output circuits to individual transmitters, whereby the radio-frequency carrier waves generated only by a selected transmitter is affected by said electrical output of said transducer.

2,497,076
GRINDING MACHINE
Alexander D. Ferguson, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application May 15, 1945, Serial No. 593,803
20 Claims. (Cl. 51—103)



18. In an abrading machine for simultaneously grinding the inner and outer peripheries of an annular workpiece, three elongated cylindrical abrading stones, means supporting said stones for rotation on parallel axes disposed at the corners of a triangle, one of said stones being of smaller diameter than the internal diameter of the workpiece to be ground, whereby it can extend through the latter, and said other stones being spaced from each other and from said one stone so as to engage the outer periphery of the workpiece while said one stone engages the inner periphery of the latter and to support, with said one stone, the workpiece in an inclined position with respect to the stones, and means for simultaneously rotating said stones one at a materially different peripheral speed from another to effect grinding of the inner and outer peripheries of an annular workpiece.

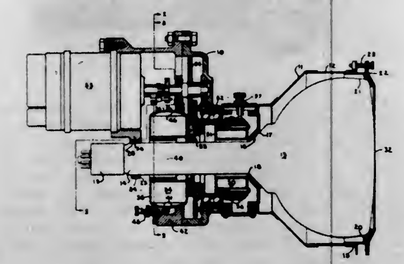
2,497,077
LOOM
Osborne Firing, Staten Island, N. Y., and Leonard M. Dorman, Meadville, Pa., assignors to Talon, Inc., a corporation of Pennsylvania
Application December 22, 1945, Serial No. 636,920
45 Claims. (Cl. 139—124)



1. In a loom of the class described, means for forming a shed between the warp threads, a weft

needle reciprocably mounted to one side of the shed, said needle having an eye for the filler thread arranged therethrough adjacent the free end thereof, the forward edge of said needle being substantially straight throughout the length thereof, and means for moving said needle into and out of the shed so that said free end is projected through to the opposite side thereof with the forward straight edge of said needle in its travel being moved into the fell of the fabric substantially parallel thereto whereby the straight forward edge of said needle beats up the filler threads throughout the width of the fabric and co-extensive therewith, said needle being retracted from the shed along a path near the fell of the fabric.

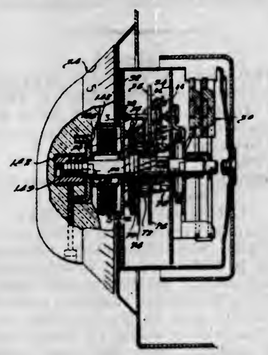
2,497,078
TUBE MOUNT
James E. Gall, Washington, D. C.
Application March 15, 1945, Serial No. 582,968
16 Claims. (Cl. 250—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



14. In combination with a cathode ray tube having flare and base portions, a casing including a supporting portion intermediate said base portion, a deflection coil, deflection coil mounting means rotatably carried by said supporting portion, means detachably mounting said deflection coil on said mounting means with said deflection coil positioned on the side of said supporting portion adjacent the flare portion of said tube, a motor for rotating said deflection coil detachably mounted on the other side of said supporting portion and drive means carried by said casing interconnecting said motor and said deflection coil.

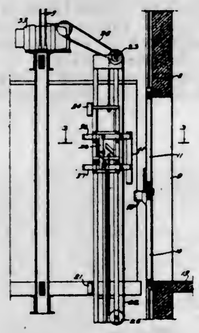
2,497,079
TIMER MAINSPRING VARIABLE PRELOADING MEANS
Charles E. Godley, Ferndale, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application February 21, 1941, Serial No. 379,925
8 Claims. (Cl. 161—23)

1. In a timing mechanism, the combination of a main arbor, timing elements comprising an escapement associated with said arbor for controlling the rate of movement thereof, means comprising spaced plates for supporting said timing elements and said arbor with a portion of said arbor extending externally of said plates, said arbor being journaled in said plates, a main spring positioned externally of said plates for driving said arbor having one end connected to said portion of said arbor, the other end of said main spring being connectible to one of said plates in any of a plurality of rotative positions



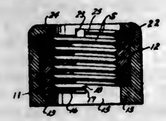
so as to vary the normal loading of said main spring.

2,497,080
OPERATING MEANS FOR SLIDING ELEVATOR DOORS
Nicholas R. Guilbert, Jr., Chestnut Hill, Pa., and George J. Arbogast, Maple Shade, N. J., assignors, by direct and mesne assignments, to Guilbert, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 19, 1946, Serial No. 663,508
10 Claims. (Cl. 187—52)



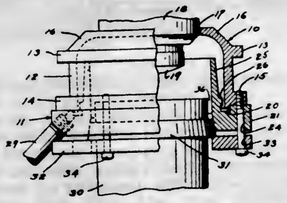
7. The combination with an elevator cab in a hatchway having an entrance and a bi-parting slidable door therefor, of a motor, a movable element carried by the cab, means interconnecting said element and motor whereby when the motor is energized the element is moved relatively to the cab, a member supported from the door for movement therewith, a shoe adapted to frictionally engage said member, means operative to yieldingly press the shoe against the member sufficiently when so engaged to cause the member to move unitarily with the shoe under normal operating conditions, and means operable through movement of the element to bring the shoe into engagement with the member whereby to open and close the door thereafter in correspondence to movement of the element.

2,497,081
SELF-LOCKING NUT AND METHOD OF MAKING THE SAME
Mark Hattan, Dayton, Ohio
Application May 1, 1945, Serial No. 591,294
4 Claims. (Cl. 10—86)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



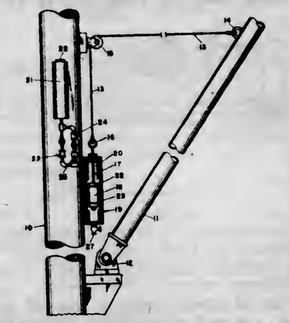
1. A method of forming a helical seat for the end turn of a helical spring on the inner side of an inturned flange at the end of a spring casing of cylindrical bore, which consists of grooving the casing at least part way around the inside at a predetermined distance from the open end, removing metal from the inside of the cylinder wall to the same distance from the end as the groove to form a spiral seat in said side wall radially beyond the original bore, and forming that portion at the end of the bore which contains the spiral seat radially inward to a plane normal to its original position, thereby converting said spiral seat into a helical seat.

2,497,082
SPINNING DEVICE
Cortland Hatfield, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y., a corporation of New York
Application June 4, 1946, Serial No. 674,237
2 Claims. (Cl. 18—8)



1. In a spinning head and funnel assembly, a liquid distributing member comprising a base plate having a central opening which tapers upwardly, an annular wall rising from the base plate in alignment with the upper smaller end of the opening, said base plate having an annular groove in its upper face at the junction of the outer face of the wall and the base plate and having also a liquid inlet port communicating with the groove from below, a liquid-flow constricting flange on the annular wall partially overhanging the groove, a dome removably seated on the upper face of the base plate in spaced relation to the annular wall, a spinning funnel insertable through the tapered opening in the base plate said funnel having a relatively narrow frustro-conical flange disposed a short distance below its top edge and extending peripherally about and radially from said funnel and having a tapered peripheral surface corresponding to the taper of the opening in the base plate, an annular member bearing against the bottom surface of said flange and pressure exerting means cooperating with said dome, said base plate and said annular member to force said member against the bottom surface of said flange and said flange into its seat in said tapered opening and to retain said dome, said base plate, said funnel, and said annular member in assembled relation.

2,497,083
HYDRAULIC SAFETY DEVICE
George L. Hildebrand, United States Navy
Application May 21, 1945, Serial No. 594,879
1 Claim. (Cl. 188—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In combination in hydraulic apparatus for controlling abnormal acceleration of movement of a body; a base; a hydraulic cylinder vertically mounted thereon; a piston arranged for vertically reciprocating travel in said cylinder; a piston rod projecting in operating position out of the top of said cylinder; means connecting said rod and said body; a vented reservoir constructed and arranged above said cylinder; a main conduit arranged to maintain the delivery fluid from said reservoir into a space above said piston in said cylinder; a by-pass conduit circumventing a portion of said main conduit; a by-pass valve for opening and closing said by-pass conduit; a check valve in said by-pass conduit arranged to check flow therethrough in one direction when said by-pass valve is in its open position; and a flow-restricting jet positioned in said portion of said main conduit and arranged and constructed in cooperating relationship with said cylinder to automatically check abnormal acceleration of said movement when said by-pass valve is in its closed position.

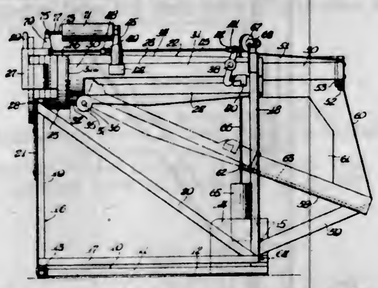
2,497,084
AUTOBALLISTIC ANTENNA
James W. Irby, Dayton, Ohio
Application April 30, 1943, Serial No. 485,101
4 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. An extensible antenna for radio apparatus, comprising a chamber having a constant volume and holding explosive material, a plurality of tubular telescoping antenna members forming an enclosed extensible chamber communicating with the first mentioned chamber, means to explode said material whereby the innermost telescoped member is forced to an extended position, means carried by said innermost member

for carrying the outer telescoped members to an extended position and means to tightly lock adjacent members together when extended.

2,497,085
ARTILLERY TRAINER
Clayton H. Jeffers, Phoebus, Va.
Application October 5, 1945, Serial No. 620,615
6 Claims. (Cl. 35—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



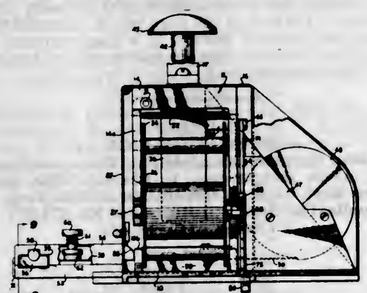
2. In an artillery training device, a frame, an upper, generally horizontal semi-cylindrical member fixed in said frame, a lower semi-cylindrical member pivoted at its rear end to said upper member on a normally horizontal transverse axis and pivotable downwardly from a first position closed against said upper section, to a second downwardly and forwardly inclined position, said lower member when in first position, cooperating with said upper section to form a cylindrical gun chamber, and when in second position forming a downwardly and forwardly directed chute, said lower section when in first position coacting with said upper section to grip a projectile at their forward ends, a breechblock pivoted on said frame rearwardly of and aligned with said sections, releasable latch means normally holding said lower section in first position, and means releasing said latch means in response to movement of said breechblock to closed position.

2,497,086
CHECK VALVE
William J. Kiene, Chicago, Ill., assignor to Dorothy S. Kiene, Chicago, Ill.
Application September 7, 1944, Serial No. 553,047
5 Claims. (Cl. 251—119)



4. A valve of the class described comprising a valve stem having an inherently resilient, circular disk-like metallic valve portion arranged on one end thereof, a valve seat comprising a similar resilient circular disk-like metallic portion, each of said disk-like portions being tapered from the center outwardly to the periphery thereof so as to provide a relatively thin-lipped circumferential edge portion therearound, the inner surface of the disk-like portion of said valve stem being convex and the inner seating surface of said seat being concave with the degree of convexity and concavity respectively of said disk-like portions being such that a space is provided normally therebetween when the thin-lipped edge portions are substantially in line contact with each other whereby the seating area of said disk-like portions is variable and increases progressively and rapidly at relatively low pressure differences.

2,497,087
RECORDING MEASURING DEVICE
Robert L. Littlejohn, Los Angeles, Calif.
Application April 1, 1947, Serial No. 738,663
5 Claims. (Cl. 33—138)

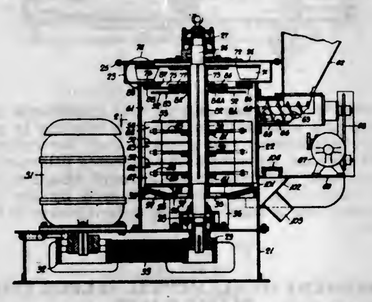


4. A measuring device comprising, in combination, a frame having an anvil plate, a measuring tape having one end wound on a roller rotatably carried by said frame and being longitudinally moveable over said anvil plate, said tape having embossed indicia thereon, a blank tape wound on a roller mounted on said frame and moveable over said anvil and measuring tape, an inking tape moveable over said blank tape, an embossed pointer on said anvil plate adjacent the path of movement of the measuring tape thereover, a plunger member over and moveable toward said anvil for effecting pressure engagement of said tapes between said plunger and said anvil and means to advance said blank and inking tapes when said plunger is actuated, and an abutment plate mounted on said frame and projecting outwardly therefrom below said anvil plate to be engaged by one end of an element to be measured, and positioning and holding means releasably holding said abutment plate on said frame for adjustment in a direction parallel to the direction of extension of said measuring tape.

2,497,088
VORTICAL CLASSIFYING MACHINE
Henry G. Lykken and William H. Lykken, Minneapolis, Minn.
Application August 17, 1943, Serial No. 498,988
4 Claims. (Cl. 209—144)

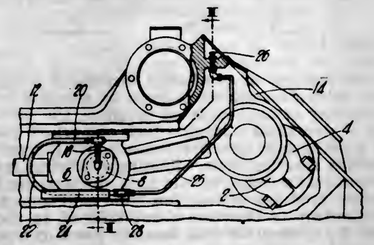
3. In a classifier for air suspended pulverized material, a cylindrical casing, an annular outlet in the top of said casing for selected material, a

sealing ring depending from one side of said outlet, a plurality of rotor elements mounted in said casing, one of which operates adjacent said sealing ring, said elements being mounted upon a shaft and each element comprising a hub, a plurality of equi-distant, round spokes radially mounted in said hub and extending across the outlet, a ring shaped plate mounted on the spokes of the rotor element adjacent the outlet, fan-like elements carried by said plate and operating beneath the top of the casing and between the



casing and the sealing ring to aid in keeping oversize material from entering said outlet, an opening in the lower part of said casing for admitting air suspended pulverized material, and means for setting up an air current to withdraw sufficiently pulverized material through said outlet, the rotor maintaining a substantially uniform vortex of the air-suspended material in said casing from which the sufficiently pulverized material is withdrawn through said outlet and rotor and by which the oversize material is rejected.

2,497,089
LUBRICATING MEANS FOR CROSSHEAD PINS
August R. Maier, Oil City, and William J. Redman, Pittsburgh, Pa., assignors to Oil Well Supply Company, a corporation of New Jersey
Application November 13, 1945, Serial No. 628,096
4 Claims. (Cl. 184—8)



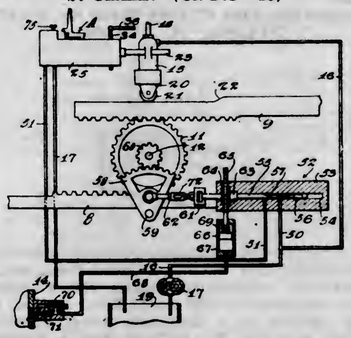
1. Lubricating means for a connector pin in a crank-driven reciprocating crosshead, said pin having a channel therein extending from the outer end thereof to the bearing surface comprising a pipe carried by the crosshead and communicating with the outer end of said channel and extending upwardly toward the top of the crosshead on which the pin is mounted, a flexible hose connected to the upper end of said pipe, a downwardly extending loop in said hose to one side of said pin and an elongated guiding support below said pin disposed substantially parallel to the plane of reciprocation of said crosshead for carrying a portion of said hose below said loop.

2,497,090
ELECTRODE AND METHOD OF MAKING THE SAME
Harold D. Miller, San Bruno, and Paul D. Williams, Palo Alto, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application December 13, 1947, Serial No. 791,524
6 Claims. (Cl. 250—27.5)



4. A grid material for an electron tube comprising a core of molybdenum, an inner layer of molybdenum carbide, an intermediate layer of platinum, and a surface layer comprising zirconium carbide.

2,497,091
AUTOMATIC PISTON STROKE COMPENSATOR FOR FREE PISTON ENGINES
Willard A. Morain and Paul S. Shirley, Hamilton, Ohio, assignors, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio, a corporation of Virginia
Application June 14, 1945, Serial No. 599,478
27 Claims. (Cl. 123—46)

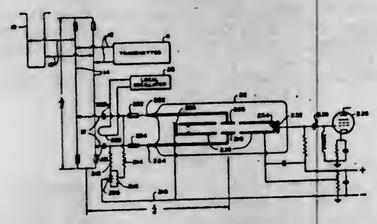


11. In an internal combustion engine of the free piston type operating a gas pump and discharging the gas pumped and the exhaust gases into an exhaust receiver, an adjustable fuel feed stroke-limiting means, actuated by movement of the pistons beyond a predetermined scavenging position, to reduce the fuel charge at each stroke until the pistons no longer travel beyond said position, and means, rendered effective by the fall of pressure below normal in the exhaust receiver, to render said limiting means effective upon a shorter stroke of the pistons than is normally required to render said limiting means effective.

2,497,092
TRANSMITTER-RECEIVER CONNECTIONS IN RADIO OBJECT-LOCATING SYSTEMS
James R. Moore, Princeton, N. J.
Application February 12, 1945, Serial No. 577,393
4 Claims. (Cl. 250—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An ultra-high frequency radio system including a transmitter, a receiver, a common an-

tenna connected to said transmitter and to said receiver, an impedance-matching network interconnecting said transmitter, antenna, and said receiver, a cathode-ray-beam detector tube having an outer envelope and comprising an input circuit of said receiver, said tube including two



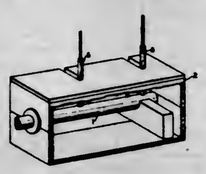
beam-deflecting plates within said envelope, and a tuned-line, step-up transformer comprising two conductors mounted within said envelope, said conductors connected respectively to said deflecting plates at one end and to said network at the other end.

2,497,093

HIGH-FREQUENCY WATTMETER

Theodore Moreno, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application June 17, 1944, Serial No. 540,827
2 Claims. (Cl. 171—95)



1. A microwave wattmeter comprising a coaxial transmission line having a liquid filled section, temperature responsive means for measuring power absorbed by said liquid filled section, said liquid serving as a dielectric power absorbing medium a supply line section, and a matching section between said supply line section and said liquid filled section, said matching section including inner and outer conductors whose diameters bear a different ratio to each other than the inner and outer conductors of said liquid filled section, and a body of solid dielectric material filling the space between said conductors in said matching section, said body acting as a seal to maintain said liquid in said liquid filled section.

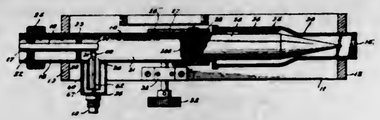
2,497,094

MICROWAVE APPARATUS

Theodore Moreno, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application February 28, 1945, Serial No. 580,220
3 Claims. (Cl. 171—95)

1. Ultra-high-frequency apparatus comprising a coaxial line having an inner and an outer conductor for conveying electromagnetic energy, a continuation of said outer conductor forming a below cut-off wave guide section at the operating frequency and being adapted for connection to a utilization device, calibrated means for varying the attenuation in said wave guide section, an impedance element having one end connected to the end of said inner conductor adjacent said below cut-off wave guide section, said impedance element extending radially between said inner and outer conductors and being characterized by appreciable change of impedance as a function of current flow therethrough, an output lead con-



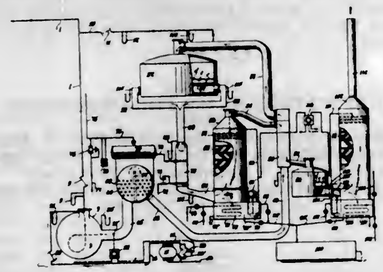
nected to the other end of said impedance element and extending through an opening in said outer conductor, and a wave trap surrounding said opening, whereby said calibrated attenuation means and said impedance element afford means for measuring the power conveyed by the apparatus over a wide range of output power variation.

2,497,095

RECOVERY OF ELEMENTAL SULFUR FROM ACIDIC GASES

Samuel L. Nevins, Little Rock, Ark., and James S. Gilliam, Jr., Shreveport, La., assignors, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia

Application January 25, 1945, Serial No. 574,606
15 Claims. (Cl. 23—225)



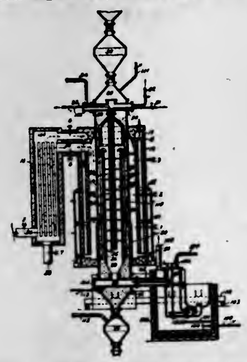
1. A method of producing elemental sulphur from sulphide-containing gases by reaction with a quantity of air regulated to effect the formation of elemental sulphur which comprises, passing a potentially reactive gas mixture through a confined reaction zone, effecting oxidizing reactions of said mixture in said zone, discharging the gaseous products of reaction from said zone at a temperature of between about 1800° F. to about 2400° F., cooling the exit reaction gases, contacting said cooled reaction gases with a catalyst, scrubbing said catalyst treated gases with a coolant to condense and recover elemental sulphur therefrom, passing the scrubbed gases in indirect heat exchange relationship with gases discharged from said reaction zone to preheat said scrubbed gases to a temperature of between about 350° F. and 700° F., contacting such preheated scrubbed gases with a catalyst to effect further reaction of sulphur-containing gases therein to elemental sulphur, and separating and recovering elemental sulphur thus formed by scrubbing such gases with a coolant.

2,497,096

PROCESS FOR THE PRODUCTION OF VAPORIZABLE METALS

Vernon F. Parry, Golden, Colo.

Original application April 20, 1945, Serial No. 589,450. Divided and this application October 7, 1946, Serial No. 701,635
4 Claims. (Cl. 75—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A process for the continuous production of a vaporizable metal from an ore thereof which comprises passing such an ore downwardly through an externally-heated elongated annular reaction zone, withdrawing and discharging spent ore near the bottom of said zone, withdrawing evolved vapors near the center of said zone into the interior thereof, passing said evolved vapors upwardly through an annular heat-exchange zone inside of and in heat-exchange relationship with said reaction zone, then passing said vapors downwardly into an elongated condensing zone inside of and in heat-exchanging relationship with said heat-exchanging zone, cooling and condensing metallic vapors to the liquid state in said condensing zone, and withdrawing and recovering liquid metal near the bottom of said condensing zone.

2,497,097

METHOD OF PREPARING STABILIZED ORGANIC SULFUR-CONTAINING COMPOUNDS

Edward N. Roberts and Lawson W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application May 31, 1946, Serial No. 673,632
11 Claims. (Cl. 252—48.2)

1. The method of inhibiting the evolution of hydrogen sulfide from a sulfurized oleaginous compound which evolves hydrogen sulfide, comprising adding to said compound from about 0.001% to about 4% of a quinone to substantially inhibit the evolution of hydrogen sulfide.

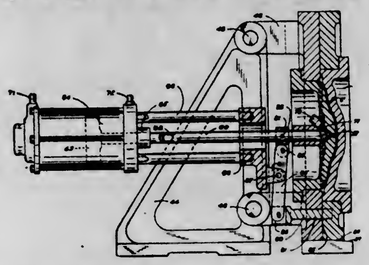
2,497,098

APPARATUS FOR CASTING MOLTEN METAL

Gottlieb E. Schmid, Parma Heights, Ohio, assignor to The Monarch Aluminum Mfg. Company, Cleveland, Ohio, a corporation of Ohio

Application July 3, 1946, Serial No. 681,302
4 Claims. (Cl. 22—94)

3. In apparatus of the class described, a mold comprising at least two parts that may be separated to open the mold and permit removal of a casting from a mold cavity, means forming a passage communicating with the mold cavity to introduce an extraneous fluid pressure between the casting and a surface of the mold to which it may cling to separate the same, a cylinder aligned with said passage, a piston in said cylinder, a piston rod terminating in a shiftable plunger adapted to slide within said passage to



open and close said passage to said mold cavity, a safety member slidably supported in one of said mold parts and adapted to engage the other to prevent the premature closing of said mold, and a link interconnecting said safety member and said piston rod to shift said safety member in a predetermined manner consequent upon movement of said piston rod.

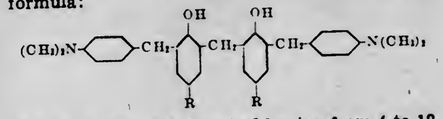
2,497,099

ADDITION AGENTS FOR MINERAL OIL LUBRICANTS AND COMPOSITIONS CONTAINING THE SAME

Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 12, 1947, Serial No. 754,268
21 Claims. (Cl. 252—42.7)

10. A lubricant composition comprising a major amount of a mineral lubricating oil and a minor amount, sufficient to confer detergent properties on the composition, of a substantially neutral polyvalent metal salt of a compound having the formula:



wherein R is an alkyl radical having from 4 to 12 carbon atoms.

2,497,100

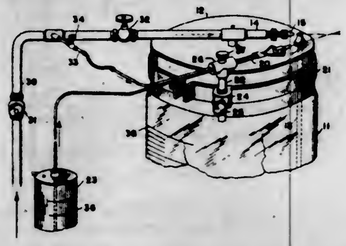
MERCAPTO-ALKOXY THIO-ETHERS

Harold R. Snyder, Urbana, Ill., and John M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application May 9, 1947, Serial No. 747,121
16 Claims. (Cl. 260—609)

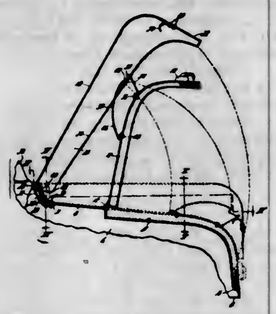
1. The method of producing a mercapto alkoxy thio-ether which comprises reacting one molecular equivalent of an alkoxy thiol containing from 4 to 18 carbon atoms per molecule, with a molecular equivalent of an olefin sulfide containing from 2 to 9 carbon atoms per molecule, and recovering as a product of the process, from the reaction mixture, a resulting mercapto alkoxy thioether.

2,497,101
METHOD OF SPRAYING
Donald F. Starr, College Park, Md., dedicated to the free use of the People in the territory of the United States
Application June 29, 1945, Serial No. 602,243
3 Claims. (Cl. 21—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



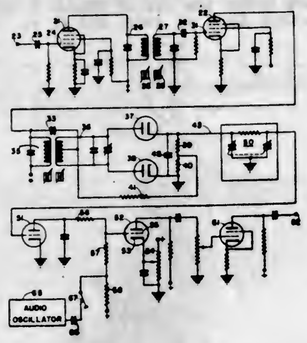
1. A method of depositing DDT comprising forming a water spray, independently thereof forming a spray of a solution of DDT, and intermixing the sprays, thus causing the DDT solution to be dispersed throughout the droplets of water immediately prior to depositing of the spray.

2,497,102
COVER LATCH FOR AUTOMOBILE BAGGAGE COMPARTMENTS
Robert Louis Stevenson, Overland Park, Kans.
Application November 1, 1948, Serial No. 57,697
8 Claims. (Cl. 217—60)



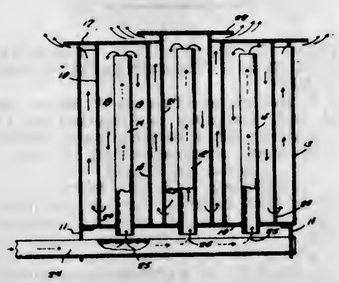
5. The combination, with an automobile having a luggage compartment and a generally upwardly opening cover for said compartment hingeably secured at its forward edge to the body of said automobile, of a latch for securing said cover in the open position comprising an arm pivoted at its forward end to said automobile body in forwardly spaced relation to the pivotal axis of said cover for movement about an axis parallel to said cover axis, said arm being adapted to overlie a portion of the outer surface of said cover and shaped to conform with the contours thereof; a transverse latch bar carried by said arm intermediate its ends; an operating member fixed to said cover and having a notch formed therein adapted to lie engaged by said latch bar when said cover is raised; and means for resiliently urging said arm against said cover when said cover is closed.

2,497,103
NOISE REDUCING NETWORK
Emerick Toth, Takoma Park, Md.
Application June 7, 1945, Serial No. 598,192
2 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



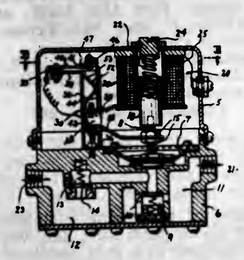
1. A transmission system comprising a single channel radio receiver for supplying a signal source, said signal source including a keyed continuous wave signal at a single known frequency and noise impulses of broad frequency distribution including said single known frequency, a frequency discriminator having a zero output frequency differently offset from said single known frequency and from the center frequency of said receiver, a single channel feeding said source to said discriminator, and an output channel fed by said discriminator.

2,497,104
MULTIPLE GAS BURNER
William R. Vandiver, Tulsa, Okla.
Application February 21, 1946, Serial No. 649,210
2 Claims. (Cl. 158—104)



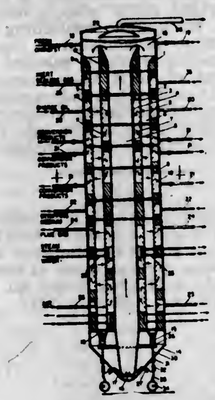
2. A gas burner, comprising means forming at least two concentric aerating chambers, a common floor for both of said chambers, a substantially cylindrical vertical outer wall for one chamber, a substantially cylindrical inner wall for said one chamber, said inner wall being concentric to said first wall and inwardly spaced therefrom, said second wall extending substantially above said first wall and defining the outer wall of the other of said chambers, a flat plate arranged about the extending end of said second wall and secured thereto, a substantially cylindrical baffle positioned in said one chamber and spaced inwardly from one wall of the chamber and outwardly of the other, said baffle having the end adjacent said floor provided with openings extending therethrough and having the other end secured to said flat plate, a second substantially cylindrical baffle positioned in said other chamber and spaced inwardly from the outer wall of the latter chamber, said second-named baffle having the end adjacent said floor provided with openings extending therethrough and having the other end extending substantially above the outer wall of said other chamber, a second flat plate positioned upon the extending end of said second-named baffle and closing the latter end, said second-named flat plate extending outwardly from said second-named baffle, and means for admitting gas and air to each of said chambers inwardly of said baffles.

2,497,105
CIRCUIT BREAKER ARRANGEMENT FOR ELECTROMAGNETICALLY OPERATED RECIPROCATING DEVICES
Anton Voros, Jr., Allen Park, Mich., assignor of one-half to Stephen J. Voros, Allen Park, Mich.
Application May 16, 1946, Serial No. 670,106
3 Claims. (Cl. 172—126)



3. In a reciprocating electromagnetic driving device, provided with a solenoid, having an operative circuit, a movable magnetically permeable core member, a return spring acting on said core member and a circuit making and breaking device controlled by the movement of said core member and controlling the operative circuit of the solenoid, said device comprising a slide member consisting of a flat strip extending in and movable in a direction substantially parallel to the path of the reciprocating magnetically permeable core member, said slide member being provided with a bent U-shaped portion having a bottom section parallel to the flat portion of the strip and side walls at an angle thereto, the open side of the bent U-shaped portion of the flat strip facing the reciprocating magnetically permeable core member, the flat strip and the bottom section of the bend portion forming slide surfaces, a closed tubular guide member enclosing said slide member and provided with an opening on the side facing the core member for giving access to said U-shaped portion of the strip and further provided with guiding surfaces for said flat strip and for the bottom section of the U-shaped portion parallel thereto, a transverse projection on said tubular guide member, a loose movable spring member within said guiding tube member, between the same and the slide member for pressing the slide member against the guiding surface of the said movable guide member, adjustable abutment members in the side walls of the U-shaped recessed portion of the slide member, arranged substantially in the longitudinal axis of the tubular guide member, an arm attached to the magnetically permeable core member, projecting through the opening in the tubular guide member into the bent U-shaped portion of the slide member for cooperation with the axial abutment members, a contact spring supporting a stationary contact, arranged on the transverse projection of said tubular guide member, projecting towards the longitudinal axis of the said tubular guide member and the movable contact cooperating therewith and mounted on the slide member, both contacts being arranged for axial relative movement substantially in the longitudinal axis of the guide member and controlling the intermittent energization of the solenoid coil.

2,497,106
APPARATUS FOR PYROLYTIC CONVERSION OF HYDROCARBONS
Kenneth Merle Watson, Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 27, 1947, Serial No. 757,648
1 Claim. (Cl. 23—288)



Apparatus especially adapted to the conversion of hydrocarbons which comprises an enlarged elevated chamber, a coaxially positioned, vertically elongated, annular chamber extending downwardly therefrom, a plurality of outer, vertically spaced annular chambers encircling the elongated vertical chamber, a plurality of inner, vertically spaced annular chambers encircled by the inner wall of the vertically elongated chamber, the relative positions of the inner and outer vertically spaced chambers being staggered so that the upper portion of an inner chamber is opposite the lower portion of an outer chamber and the lower portion of said inner chamber is opposite the upper portion of the next lower outer chamber, each inner and outer chamber communicating with the vertically elongated annular chamber through louvers in the walls of the latter, the slats of the louvers extending upwardly into the respective vertically spaced chambers, a cooling coil positioned in the lower portion of the vertically elongated chamber, a hopper positioned below the lower end of the vertically elongated chamber, an elongated, coaxially positioned inner chamber connecting the elevated chamber with the hopper, jetting means for injecting air into the lower end of the hopper be-

neath the lower end of the inner chamber and adapted to entrain catalyst from the hopper and carry it upwardly through the inner chamber into the elevated chamber, conduit connections to the lower, a higher, and at least two intermediate vertically spaced outer chambers, respectively, and a conduit leading from the upper part of the enlarged elevated chamber.

2,497,107

PROCESS OF POLYMERIZING CONJUGATED DIENES IN THE PRESENCE OF SELECTED ALKYL ESTERS OF MERCAPTYL UNDECANOIC ACIDS AS POLYMERIZATION REGULATORS

Karl H. Weber, Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Original application March 10, 1944, Serial No. 525,946. Divided and this application September 17, 1947, Serial No. 774,674
9 Claims. (Cl. 260—82.7)

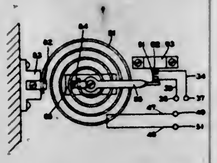
1. The process which comprises polymerizing a material selected from the group consisting of an open chain, aliphatic conjugated diene containing 4 to 6 carbon atoms and a mixture of such a conjugated diene with a different copolymerizable compound containing a vinyl radical in an aqueous emulsion in the presence of a polymerization regulator selected from the group consisting of alkyl 11-mercaptyl undecanoate, alkyl 10-mercaptyl undecanoate, and a mixture of alkyl 11-mercaptyl undecanoate and alkyl 10-mercaptyl undecanoate, said alkyl radical having 1 to 4 carbon atoms inclusive.

2,497,108

ELECTROMECHANICAL TRANSDUCER

Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application June 12, 1948, Serial No. 32,594
14 Claims. (Cl. 171—327)



1. An electro-mechanical transducer comprising: an elongated element of electro-mechanically sensitive dielectric material convoluted into a space the largest dimension of which is a small fraction of the length measured along said elongated element to provide an electro-mechanical response significantly greater than that of an element of the same material and cross-sectional shape having a length equal to said largest dimension but having a straight configuration.

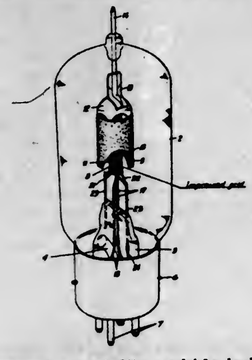
2,497,109

ELECTRODE FOR ELECTRON TUBES

Paul D. Williams, Palo Alto, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application February 4, 1946, Serial No. 645,443
8 Claims. (Cl. 250—177)

1. An electrode for an electron tube comprising a metallic core, an outer layer of a primary electron emission inhibiting material, and an intermediate layer of a metallic carbide isolating the outer layer from said core.



2,497,110

METHOD OF MAKING ELECTRODES

Paul D. Williams, Palo Alto, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Original application February 4, 1946, Serial No. 645,443. Divided and this application February 8, 1947, Serial No. 727,409
1 Claim. (Cl. 204—29)



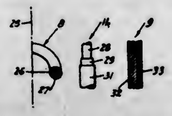
The method of processing molybdenum wire for a grid of an electron tube, said wire exhibiting, when employed as a grid, negligible primary emission and stable secondary emission, which comprises carburizing the wire by heating the wire in the presence of carbon to a temperature sufficient to form a layer of molybdenum carbide, then coating the carburized wire by electrodepositing thereon finely divided particles of a metal selected from the group consisting of iridium, ruthernium, and platinum, and then heating it to a temperature sufficient to fuse the particles together and to the underlying molybdenum carbide layer.

2,497,111

ELECTRON TUBE HAVING CARBURIZED THORIATED CATHODE

Paul D. Williams, Palo Alto, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application July 25, 1947, Serial No. 763,574
1 Claim. (Cl. 250—27.5)



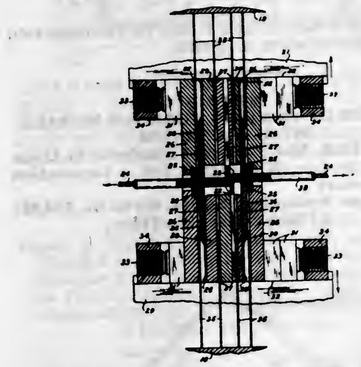
An electron tube comprising a thoriated tungsten cathode having a layer adjacent its surface comprising tungsten carbide, an anode having a layer adjacent its surface comprising zirconium carbide, and a grid having a plurality of layers adjacent its surface, one of said grid layers containing platinum and another grid layer containing the carbide of a metal selected from the group consisting of zirconium, tantalum, molybdenum, tungsten, titanium and vanadium.

2,497,112

WIRE CUTTING AND STRIPPING APPARATUS

Karl H. Andren, Greenfield, Wis., assignor to Artos Engineering Company, Milwaukee, Wis., a corporation of Wisconsin

Application May 14, 1945, Serial No. 593,745
5 Claims. (Cl. 81—9.51)



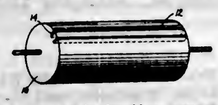
1. A wire cutting and stripping assemblage comprising, a pair of spaced supports, a pair of slides movable toward and away from each other between said supports, cooperating wire severing knives carried by said slides, a pair of cooperating insulation cutting and stripping blades disposed laterally of the zone of action of said knives, a carrier element supporting each of said blades and being secured to the adjacent slide and having a rectilinear recess extending therealong, and a stationary knockout plate carried by each of said supports and projecting into the adjacent carrier element recess, said knockout plates being of a length relative to said slides sufficient to project beyond the inner portions of the slides when the latter are moved away from the zone of cutting of said knives.

2,497,113

INDUCTION GENERATOR

Herman H. Curry, United States Coast Guard

Application February 21, 1946, Serial No. 649,429
6 Claims. (Cl. 172—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a high-speed induction generator; an all-iron rotor, longitudinally disposed slots in the surface of said rotor and iron strips within said slots.

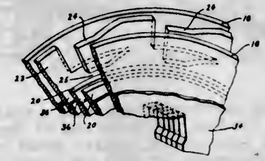
5. In a high-speed induction generator having a rotor element, a stator element and a minimum air gap between said elements, said rotor element comprising a solid piece of iron having slots therein, iron strips within said slots, said rotor and said stator elements being cooperable to minimize the production of slot-frequency currents in said rotor and for localizing such slot-frequency currents as are produced in a region adjacent said air gap, and cooling means for said stator element comprising means defining a plurality of channels around the periphery of said stator element and extending radially therethrough for the circulation of a cooling fluid from the periphery radially toward said gap.

2,497,114

INDUCTION GENERATOR

Herman H. Curry, Inverness, Fla.

Original application February 21, 1946, Serial No. 649,429. Divided and this application April 30, 1948, Serial No. 24,292
15 Claims. (Cl. 171—252)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



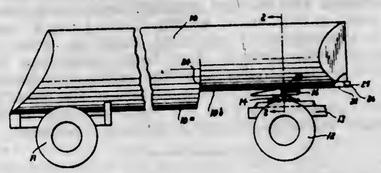
1. In electrical apparatus, a stator element comprising a plurality of laminations, plastic bonding means near one end of said laminations only, the opposite ends being spaced to define passages therebetween, and cooling means around the periphery of said stator element for the passage of a cooling fluid through the passages and into contact with each of said laminations.

2,497,115

TANK TRUCK SUPPORT

Joseph H. De Frees, Warren, Pa., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa., a corporation of Pennsylvania

Application November 3, 1945, Serial No. 626,538
3 Claims. (Cl. 280—5)



2. A chambered tank body for liquid transporting trucks, comprising metal sheets welded together to form an elongated stress-transmitting body of generally cylindrical cross section, the forward portion of the body being shallower than the rear portion and including a floor formed by such metal sheets and extending in a horizontal plane at a level above the floor of the rear body portion, said front body floor having an integral depending king pin and a portion surrounding the king pin and extending horizontally in said plane in all directions from said pin and which floor portion forms an upper fifth wheel member integral with the tank body and presents downwardly a bearing surface of relatively wide area adapted to rest upon and distribute weight of the body and load over the full area of the lower fifth

wheel member of a tractor to which the body is connected by its king pin, that portion of the metal sheets which serves as the upper fifth wheel member being of generally channel form with its wide web forming the floor of the front body portion and having integral opposite parallel edge flanges which extend upwardly into the chamber of the body and reinforce the upper fifth wheel member against tractive strains and stresses transmitted to it through the king pin.

2,497,116
STRINGED MUSICAL INSTRUMENT
Louis Dopyera, Jackson, Wyo., assignor to Valco Manufacturing Company, Chicago, Ill., a partnership
Application January 14, 1949, Serial No. 70,971
31 Claims. (Cl. 84—293)



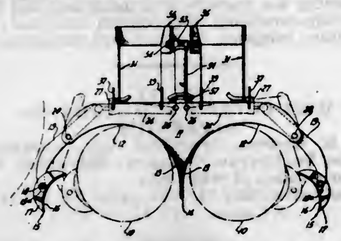
1. A string carrying neck having a shank portion and a head on the outer end of the shank portion and including, a unitary metal core extending continuously through the shank portion and into the head, and a wooden shell extending continuously from one end of the neck to the other and embracing the core at both the shank portion and head.

2,497,117
METHOD OF SURFACE-BONDING FIBROUS BATTS
Camille Dreyfus, New York, N. Y.
No Drawing. Application January 23, 1946, Serial No. 642,996
12 Claims. (Cl. 154—101)

1. Process for the preparation of coherent batting materials having their surfaces coalesced to yield a strong unitary structure and containing staple fibers having a basis of a thermoplastic material, which comprises forming a batting of interlaced and matted unplasticized staple fibers at least a portion of which fibers have a basis of a thermoplastic material, applying water to the surfaces thereof, and then subjecting the wetted batting material to the action of a heated surface whereby at least a portion of the thermoplastic staple fibers at the surfaces only of the batting material are softened and coalesced.

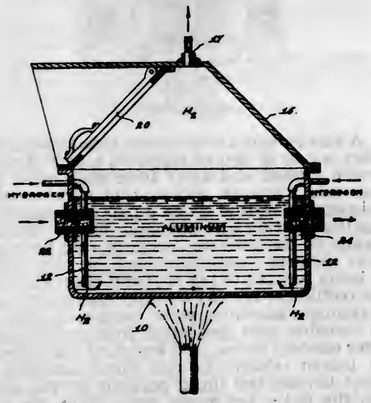
2,497,118
APPARATUS FOR LIFTING CYLINDRICAL OBJECTS
John J. Ferrario and Joseph Dondero, San Francisco, Calif.
Application May 20, 1947, Serial No. 749,312
9 Claims. (Cl. 214—66)

1. A device of the character described, including a tiltable frame having a pair of fixed inner oppositively arranged concave jaws, a pair of movable outer concave jaws, each movable jaw being opposite a fixed jaw, means connected to said movable jaws and mounted on said frame, hydraulically operable means on said frame connected to said means for simultaneously moving said movable jaws to and from said fixed jaws, a supporting frame, means pivotally mounting said tiltable frame on said supporting frame for tilting about a generally horizontal axis, and hydraulically operable means on said supporting frame



connected to said tiltable frame for swinging said tiltable frame about said axis.

2,497,119
METHOD OF COATING FERROUS METALS WITH ALUMINUM
Colin G. Fink, New York, N. Y., assignor to Alwac Company, Inc., Wilmington, Del., a corporation of Delaware
Application September 18, 1944, Serial No. 554,621
1 Claim. (Cl. 117—114)

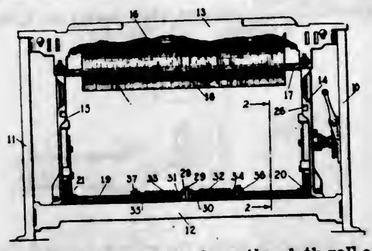


A method of coating basis metals, comprising continuously introducing streams or jets of hydrogen below the surface of a molten bath of aluminum, in quantity in substantial excess of the quantity capable of being absorbed by the molten aluminum, and maintaining said quantity, so that there is always a surplus of hydrogen in the bath, and immersing ferrous basis metal in an ordinary state, capable of absorbing hydrogen from the molten bath, in the molten bath of aluminum containing said excess of hydrogen.

2,497,120
CLOTH ROLL WINDUP AND RELEASE
Alphonse J. Fiset, Worcester, and Carl D. Brown, Hopedale, Mass., assignors to Draper Corporation, Hopedale, Mass., a corperation of Maine
Application September 30, 1948, Serial No. 52,106
6 Claims. (Cl. 139—308)

1. In a loom having a sand roll, a cloth roll and cloth roll stands within which said cloth roll is retained, the improvement in means for winding up and releasing said cloth roll which comprises racks upon which the cloth roll is supported in

said cloth roll stands, a shaft and gears rotated thereby and interconnected to said racks, and pretensioned, resilient means for continuously urging the shaft in a direction to raise the racks and to press the cloth roll toward the sand roll,



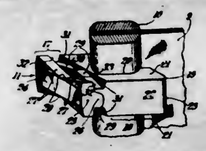
and a means for winding down the cloth roll comprising a hand crank, a unidirectional driving clutch and reduction gearing rotated by said crank and interconnected to the gearing for said racks through said uni-directional driving clutch.

2,497,121
BICYCLE CONSTRUCTION
Frank P. Fletcher, Pasadena, Calif., assignor to Wendell S. Fletcher, Frank P. Fletcher, and Maurice C. Fletcher, copartners doing business as Fletcher Aircraft, Pasadena, Calif.
Application June 19, 1944, Serial No. 540,971
7 Claims. (Cl. 280—283)

2. As an article of manufacture, a main frame for a bicycle comprising a tubular, substantially S-shaped, single-piece frame including a forward upper section approximately horizontal, a rearward lower section approximately horizontal, and an intermediate section extending downwardly and forwardly and connected to said forward and rearward sections by curved portions, said sections and portions being of spring material so as to provide a resilient frame.

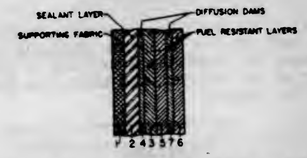
2,497,122
SLIDE FASTENER SCOOPS OR INTERLOCKING ELEMENTS
Herman M. Frank, New Britain, Conn., assignor to The North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application October 1, 1945, Serial No. 619,660
8 Claims. (Cl. 24—205.13)

1. A slide fastener interlocking member of the class described, comprising a body having a tape attaching jaw portion and a head portion extending therefrom, said head portion having similar top and bottom sides, the top and bottom surfaces of said head portion comprising adjacent transverse concave and convex cam surfaces substantially symmetrical with respect to the width of said interlocking member and with respect to each other said convex and concave cam surfaces extending transversely completely throughout the width of said head portion, being unobstructed



and continuous and each being formed by a pair of merging oppositely inclined planar surface portions intersecting centrally.

2,497,123
FUEL CELL
Per K. Frolich, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 18, 1944, Serial No. 531,569
4 Claims. (Cl. 154—43.5)

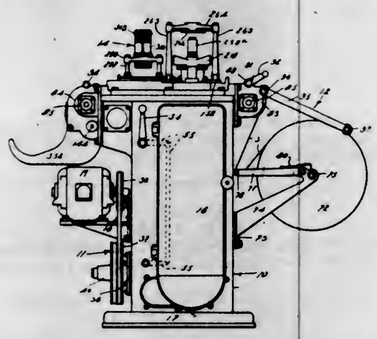


1. A self-sealing liquid hydrocarbon fuel container, the walls of which comprise an outer layer of durable abrasion-resistant material, on the inner side thereof a sealant layer comprising essentially a rubber-like material adapted to swell on contact with a hydrocarbon liquid fuel, said sealant layer comprising at least one-ply of material selected from the class consisting of natural rubber, butadiene-styrene synthetic rubber, polybutadiene synthetic rubber, high molecular weight polymerized olefins and high molecular weight iso-olefin-diolefin copolymers, and on the inside of said sealant layer a fuel-resistant layer comprising a plurality of laminae made of fuel-resistant rubber compositions the rubbery constituents of which consist of copolymers of a conjugated diolefin and a nitrile of a low molecular weight unsaturated acid, the nitrile content of said copolymers ranging from 10 to 40% by weight, and the nitrile content of the copolymer in the innermost lamina being substantially greater than the nitrile content of the copolymer in the fuel-resistant lamina immediately adjacent to the sealant layer, the said layers being bonded together to produce a laminated fuel-resistant wall construction having high fuel-resistance characteristics yet good flexibility and resistance to chunking and shattering at low temperature.

2,497,124
MECHANISM FOR HANDLING PRODUCTION FROM CUP FORMING MACHINES OR THE LIKE
Leo M. Harvey, La Canada, Calif.
Original application December 17, 1942, Serial No. 469,306. Divided and this application March 28, 1944, Serial No. 528,384
13 Claims. (Cl. 93—60)

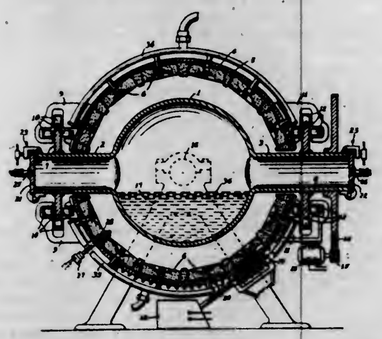
1. In a cup making machine having a die mechanism operating to form a cup and including relatively movable forming parts one of which holds the cup after it has been completely formed and the parts are separated, a pair of shiftable fingers operable to engage the cup while held by

said forming part, means shifting said forming part out of engagement with the cup engaged by the fingers, and means for shifting the fingers as a unit to remove the cup from the mechanism.



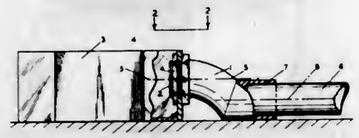
11. In a cup machine, a longitudinally split tubular cup receiver, a spring engaging around the receiver and shiftable therealong to vary the diameter of the receiver, and means for stacking cups in the receiver.

2,497,125
FURNACE FOR MELTING METALS AND ALLOYS
Philip M. Hulme, Stamford, Conn., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application October 1, 1946, Serial No. 700,557
2 Claims. (Cl. 266—33)



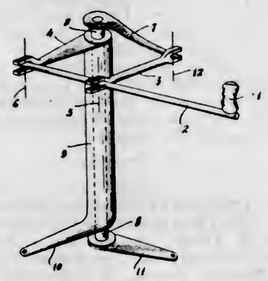
1. In combination with a furnace for melting metals comprising a refractory lined shell, a retort within said shell spaced at all points a substantial distance away from the refractory lining of said shell, means for charging metal into said retort and for discharging molten metal therefrom and a plurality of radiant-heat-type fuel burners studding the refractory lining of said shell for supplying heat to said retort, each burner comprising a refractory member having a heat-radiating concave surface; the improvement in which a group of radiant-heat-type burners are at least in the region below the retort and have their concave, heat-radiating surfaces facing the retort, whereby heat is radiated from said concave surfaces directly onto the underside of the retort.

2,497,126
ELECTRIC CONDUIT FITTING
James D. Langman, Portland, Oreg., assignor to Associated Manufacturers and Distributors Corp., Multnomah County, Oreg., a corporation of Oregon
Application January 22, 1948, Serial No. 3,793
2 Claims. (Cl. 285—6.5)



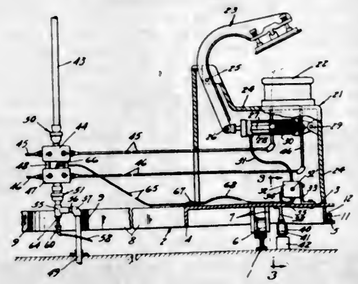
1. A connector device for running electric conductors from a surface into a terminal box, mounted on said surface, which device comprises a tubular member having an outer end portion for receiving an electric conductor and lying against the surface and having a center line parallel with the surface, an inner threaded end portion for entry through the usual admission aperture of a terminal box, said inner end having an integral flange adjacent the threads, the inner end being spaced from the plane of the surface and having a centerline parallel therewith but in a plane spaced outwardly from that of the outer end centerline, an intermediate portion having a double bend and connecting said end portions, and a removable nut engaging the threaded end to clamp a box against the flange.

2,497,127
AIRCRAFT CONTROL
Jacques André Marie Lecarme, Aix-en-Provence, France, assignor to Societe Anonyme dite: Societe Nationale de Constructions Aeronautiques du Sud-Est, Paris, France
Application July 18, 1946, Serial No. 684,626
In France September 13, 1945
5 Claims. (Cl. 74—471)



1. A mechanical device for piloting aircraft by conjugated action of the pilot on the controls of said craft, comprising, in combination, two concentrical actuating shafts, an articulated parallelogram, two adjacent sides whereof are respectively secured to one end of said shafts, a gripping and operating member fixed to one of the two other sides of said parallelogram and means for transferring in planes different from the plane of said parallelogram the movements of its two sides secured to said shafts.

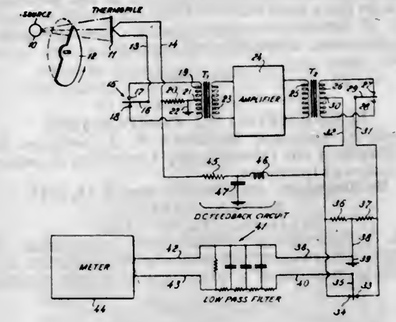
2,497,128
IRONING APPARATUS
John H. Leef, Minneapolis, Minn.
Application November 15, 1947, Serial No. 786,218
1 Claim. (Cl. 38—5)



A coupler for connecting each of a plurality of pressing machines movably mounted on a circular track to independent relatively fixed sources of supply of fluid under pressure and a drain, said pressing machines each comprising a relatively fixed and relatively movable pressing element, one of which elements is adapted to be heated by a fluid heating medium, and fluid pressure operated means for moving the movable pressing element in one direction with respect to its cooperating relatively fixed element, said coupler being coaxial with said track and comprising axially aligned rotatable inlet and outlet manifolds rigidly secured together in closely spaced relationship, a fixed inlet pipe axially aligned with and overlying said inlet manifold, a fixed drain pipe underlying said outlet manifold and axially aligned therewith, fluid tight swivel joints connecting each of said manifolds with its adjacent fixed pipe, said manifolds each having a plurality of ports adapted to be in communication one each with a pressing element on each of said machines, a rotary fluid pressure conduit extending axially through said outlet manifold and drain pipe, a second fixed inlet pipe and a fluid tight swivel joint connecting the lower end of said rotary conduit to said second fixed inlet pipe, said rotary conduit terminating in the space between said manifolds for connection to said fluid operated means.

2,497,129
RADIATION DETECTING APPARATUS
Max D. Liston, Wilton, Conn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York
Application May 2, 1947, Serial No. 745,491
6 Claims. (Cl. 250—83.3)

1. In a detecting means, the combination of a source of rays, an element receiving rays from the source and generating a voltage in response thereto, a member interposed between the source and the element and operating to intercept the rays at a low and uniform frequency, an interrupter in circuit with the element and periodically interrupting the current produced by the voltage generated by the element, means receiving the interrupted current and amplifying it, a rectifying device receiving the output from the amplifying means and operating in timed relation to the interrupter to cause the voltage generated by the element to be reproduced although amplified, a second rectifying device directly receiving substantially the entire unaltered output of the first rectifying device and operating in timed relation with and at the same frequency as the member to cause the voltage generated by the element in response to the rays



to produce a direct current output, and filter means connected to and receiving the entire output of the second rectifying device and passing said direct current output only.

2,497,130
MANUFACTURE OF SULFOARYL-AMIDES OF AROMATIC CARBOXYLIC ACIDS
Herbert August Lubs, Wilmington, Del., and Walter Valentine Wirth, Woodstown, Louis Spiegler, Woodbury, and J. Allington Bridgman, Salem, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1948, Serial No. 35,985
7 Claims. (Cl. 260—507)

1. The process of producing a diaroyl-diamino-stilbene-disulfonate, which comprises refluxing together in a water-immiscible, inert, organic liquid which boils at a temperature between 100° and 150° C., 4,4'-diamino-disulfo-stilbene, a monocyclic aroyl chloride, and diethyl-cyclohexylamine.

7. A process of producing a diaroyl-diamino-stilbene-disulfonate, which comprises reacting 4,4'-diamino-2,2'-disulfo-stilbene with a monocyclic aromatic carbonyl chloride in a water-immiscible, inert, organic liquid containing further a water-immiscible, tertiary nitrogenous base, then adding water to the reaction mass, and steam distilling the latter with simultaneous addition of aqueous alkali to liberate the acid-bound tertiary base and to effect its separation, together with the inert organic liquid, in the oily phase of the distillate.

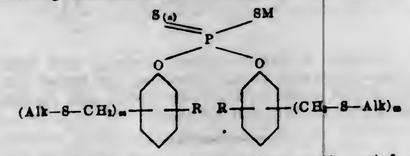
2,497,131
MANUFACTURE OF SULFOARYL-AMIDES OF AROMATIC CARBOXYLIC ACIDS
Herbert August Lubs, Wilmington, Del., and Walter Valentine Wirth, Woodstown, J. Allington Bridgman, Salem, and Louis Spiegler, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1948, Serial No. 35,986
5 Claims. (Cl. 260—507)

1. In the process of producing a diaroyl-diamino-stilbene-disulfonate, the step which consists of bringing together into reactive contact a 4,4'-diamino-2,2'-disulfo-stilbene, a mono-

cyclic aromatic carboxylic acid, and an acid halogenating agent selected from the group consisting of phosphorus oxychloride, phosphorus trichloride and thionyl chloride, in the presence of a tertiary base selected from the group consisting of dimethyl-cyclohexylamine, diethyl-cyclohexylamine, tributylamine, quinoline and pyridine.

2,497,132
LUBRICATING OIL COMPOSITION
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 14, 1947, Serial No. 734,857
10 Claims. (Cl. 252—32.7)

8. A lubricating composition comprising a mineral lubricating oil base and an oxidation inhibiting amount of a compound of the structure



wherein M represents an alkaline earth metal, m is a number from 1 to 2, n is a number from 0 to 1, R is selected from the group consisting of hydrogen and alkyl radicals, and "Alk" is an alkyl radical.

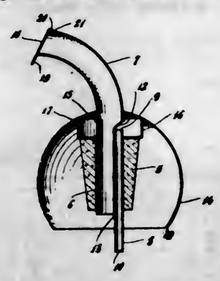
2,497,133
LUBRICATING GREASE COMPOSITIONS
Arnold J. Morway, Clark, N. J., Alan Beerbower, Baltimore, Md., and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 6, 1947, Serial No. 753,112
1 Claim. (Cl. 252—36)



The process of preparing a lubricating grease which is highly stable in severe mechanical working which comprises combining about 15 to 20% by weight of lithium stearate, about 1% of zinc naphthenate, 77.5 to 83% of di-2-ethyl hexyl sebacate, and 1 to 1.5% of antioxidant, stirring the ingredients to prepare a slurry, heating said slurry to a temperature substantially above the melting point of said lithium stearate to obtain a homogeneous solution, and rapidly and continuously chilling said solution to a temperature of about 80° F. simultaneously with severe mechanical working in layers of 0.005 to .25 inch in thickness.

2,497,134
LIQUID DISPENSING DEVICE
Joseph W. Muense, Ridgewood, N. Y.
Application April 25, 1946, Serial No. 664,797
4 Claims. (Cl. 215—79)

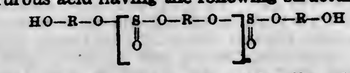
1. In a liquid dispensing device, a pouring spout adapted to be mounted in the pouring opening of a container, a shield mounted on an intermediate portion of the spout and adapted to encircle the portion of the container in which the spout is mounted, a cup shaped member having notches in the side wall extending inwardly from the edge of said side wall and mounted on the pouring spout within the shield with the edge of the side wall abutting the shield



and the notches forming air vents and the member in encircling relation to the spout, and an air vent tube juxtaposed to the portion of the spout within the shield with one end terminating within the cup shaped member.

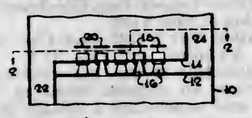
2,497,135
POLYMERIC SULFUROUS ACID ESTERS
William J. Myles, Summit, and John H. Prichard, Springfield, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Original application January 21, 1947, Serial No. 723,466. Divided and this application January 13, 1948, Serial No. 2,125
5 Claims. (Cl. 260—456)

2. A polymeric polyhydroxy alcohol ester of sulfurous acid having the following structure:



wherein n is an integer no greater than 15 and R is a saturated straight chain containing at most carbon, hydrogen and oxygen and at least four and at most ten carbon atoms and is the divalent residue normally linking the hydroxy groups of a polyhydroxy alcohol.

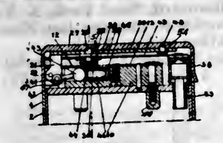
2,497,136
VAPOR-LIQUID CONTACTING UNIT
John A. Patterson, Beverly, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 27, 1946, Serial No. 693,180
1 Claim. (Cl. 261—114)



In a vapor liquid contacting tower the improvement which comprises: a pair of horizontally disposed, vertically spaced plates within the tower, the upper of said plates being terminated adjacent one side of said tower by a juncture with a first vertical partition extending upwardly from the said upper plate thereby forming a first liquid downcomer passageway between the said tower and the said first vertical partition, the upper of said plates being terminated adjacent the opposite side of the tower by a juncture with a second vertical partition extending downwardly from said upper plate thereby forming a second liquid downcomer passageway between the said

tower and the said vertical partition, the lower of said plates being terminated adjacent one side of said tower by juncture with the said second vertical partition, said plates further being characterized by a plurality of vertically aligned perforations, the perforations of said lower plate being fitted with nozzles extending upwardly to the level of the upper plate, the perforations of said upper plate being equipped with risers concentrically located in relation to the said nozzles and extending above and below said upper plate, the diameter of said nozzles and said risers being proportioned to effect intimate contact of vapor and liquid, and each of said risers being surmounted by a horizontally disposed baffle plate located above the upper open end of each of said risers.

2,497,137
LIGHTER
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Societe Anonyme Etablissements Ed. Jaeger, Levallois-Perret, France
Application February 1, 1947, Serial No. 725,782
In France February 4, 1946
4 Claims. (Cl. 67—7.1)

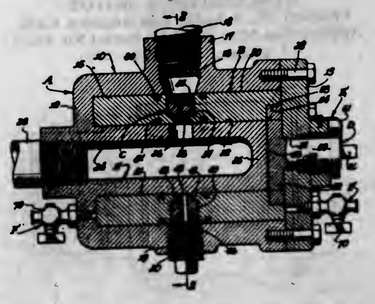


1. A lighter comprising, in combination, a casing made of a material having a relatively thin cross-section, a liquid container in said casing rigid therewith, a wick extending through said container, a flint wheel adjacent said wick, a flint bearing on said flint wheel, means for rotating said flint wheel, means for applying said flint against said flint wheel, a block having a substantially greater thickness than the casing fixedly mounted on said container, a cap made of a material having a thickness of the same order as the casing, a resilient strip located in said cap for actuating the same, a resilient transverse locking plate resiliently fitted in the lateral walls of said cap for maintaining said strip against the top of the cap, means for centering simultaneously said strip and said locking plate with respect to said cap, means for maintaining said strip correctly angularly positioned with respect to said cap, means for pivoting said resilient strip to said block so that said cap is not directly hinged to said casing whereby the strength of the so formed hinge is independent from the lightness of said casing and cap, and means for simultaneously retaining said cap in the position occupied by said latter, either opened or closed, and for ensuring simultaneously that the closure is effected thoroughly.

2,497,138
METHOD OF PURIFYING SULFURIZED HYDROCARBON PRODUCTS
Dilworth T. Rogers, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 29, 1947, Serial No. 782,955
8 Claims. (Cl. 260—139)

8. A method of dechlorinating sulfurized diisobutylene which has been obtained by reacting diisobutylene with sulfur monochloride which comprises heating said sulfurized diisobutylene with about 10% by weight of 2-ethylhexyl alcohol at a temperature of about 230° to 280° F. for a period of about 4 hours.

2,497,139
ORIFICE FITTING
John R. Rumbaugh, Los Angeles, Calif.
Application July 16, 1946, Serial No. 684,015
17 Claims. (Cl. 138—46)



1. A fitting of the character described including a body having inner and outer concentric walls defining a tubular chamber, there being a plurality of ports circumferentially spaced in one wall and a port in the other wall, and a sleeve rotatable in the chamber and a having a plurality of ports extending laterally therethrough and located to cooperate with the ports in the walls of the body.

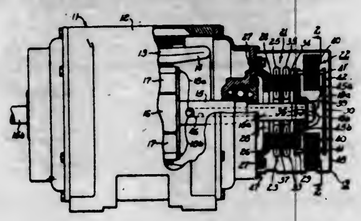
14. A fitting of the character described including, a body having a shell with a bore, a tubular core arranged centrally in the shell with an open outer end projecting from one end of the shell and a closed inner end terminating in the shell, a head rigidly joining the shell and core at the outer end portion of the core, and a removable head at the other end of the shell and core, there being aligned flow openings in the shell and core and there being an access opening in the shell normally closed by a removable plug, a tubular sleeve confined between the heads and bearing in the bore and on the core and having a plurality of circumferentially spaced ports movable into and out of register with said openings, orifice plugs carried in the ports, and operating means for the sleeve including a stem carried in the last mentioned head and having a part between the inner side of said head and the inner end of the core and engaging the sleeve.

2,497,140
METHOD OF MANUFACTURE OF LUMINESCENT MATERIALS
James H. Schulman, Cambridge, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application March 28, 1946, Serial No. 657,922
8 Claims. (Cl. 252—301.6)

1. The process of preparing a manganese activated silicate phosphor selected from the group consisting of zinc orthosilicate, zinc beryllium silicate, magnesium orthosilicate, cadmium silicate and calcium silicate which comprises disposing the components thereof, in the solid state, in the proportions necessary to form the phosphor, in an enclosed chamber; disposing at least one compound selected from the group consisting of $CdCl_2$, $ZnCl_2$, HgCl, $PbCl_2$, PbF_2, PbO, and

PbO_2, in the solid state, in said chamber, physically separate from said components but in close proximity thereto; and heating said components and said compound to a temperature high enough to vaporize said compound and cause said vapors to permeate the solid state components of said phosphor.

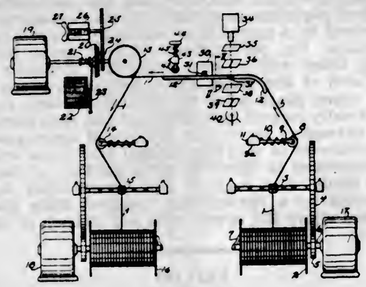
2,497,141
SYNCHRONOUS MOTOR
Frederic W. Schultz, Los Angeles, Calif.
Application May 28, 1949, Serial No. 96,077
1 Claim. (Cl. 172—120)



In combination with a polyphase synchronous motor, said motor having an enclosing frame, an armature structure of magnetic material rigidly supported in said frame, said structure having a bore therein, a polyphase armature winding on said armature structure, means connecting said armature winding to a polyphase source of electric current, a shaft supported by and turning in bearings in said frame and having an end portion extending outside said frame, a field structure of magnetic material carried on said shaft within said armature bore, and a unidirectional-current winding on said field structure, the parts previously enumerated in this claim being well known and forming a combination found in any conventional polyphase synchronous motor: an exciting means for said unidirectional-current winding comprising a primary magnetic means fixed to said frame outside said frame; a primary polyphase winding carried on said primary magnetic means; a secondary magnetic means concentrically mounted on said end portion of said shaft and rotating therewith, said secondary magnetic means being so placed as to form a magnetic circuit with said primary magnetic means; a secondary polyphase winding carried on said secondary magnetic means; a polyphase rectifier carried on and rotating with said end portion of the shaft and electrical conductors by which current from each phase of said secondary winding is carried through one phase of said rectifier and thence through the shaft of the motor to said winding on said field structure and thence through said shaft back through the rectifier to said secondary winding.

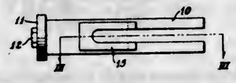
2,497,142
SOUND RECORDER AND REPRODUCER
Judson O'D. Shepherd, Atlanta, Ga.
Application December 18, 1941, Serial No. 423,450
22 Claims. (Cl. 179—100.4)

1. The method of recording and reproducing signals employing a medium of optically active light transmitting material which consists in moving the medium at substantially uniform speed while modifying its light rotative characteristic in response to received signals, subsequently passing the medium through polarized light which the medium rotatively modulates in accordance with the record on it and trans-



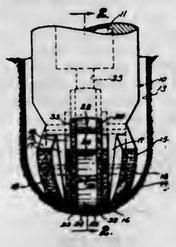
lating the resulting modulated light into signals corresponding to those received.

2,497,143
TUNING FORK
John R. Shonnard, New York, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application October 23, 1946, Serial No. 705,021
8 Claims. (Cl. 84—457)



1. A tuning fork comprising a plurality of superposed bifurcated elements rigidly attached together to vibrate as a single unit at a predetermined vibration frequency, the areas of contact between said elements being confined to a portion of the length of each element which is a small fraction of the total length thereof.

2,497,144
DRILL BIT
Albert L. Stone, Palos Verdes Estates, Calif.
Application November 23, 1945, Serial No. 630,197
8 Claims. (Cl. 255—71)



1. A well drill bit comprising a rotatable body carrying a bottom formation cutting means, a circular cutter carried by and rotatable within a central portion of the body to cut the formation at the center of the cutting area of said means while the body and cutter are vertically supported by the engagement of said cutting means with the formation and the cutter is thereby permitted relatively high speed rotation, and means for rotating said cutter at such relatively high speed independently of the body rotation.

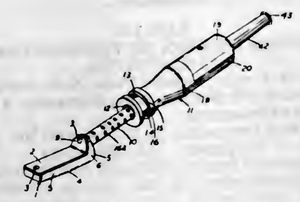
2,497,145
SUBSTITUTED GAMMA-2-THENOYL-BUTYRIC ACID
Daniel Hetfield Terry, Plainfield, N. J., and Carlton Webster Croco, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 11, 1946, Serial No. 715,618
4 Claims. (Cl. 260—329)

1. A compound of the general formula

$$R—CO—CH_2CH_2CH_2COOH$$

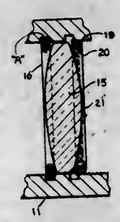
wherein R is a thienyl radical selected from the group consisting of 4-nitro-thienyl, 4-nitro-5-halogeno-thienyl, 4-amino-thienyl, and 4-acylamino-thienyl, the CO group of the above formula being attached to said thienyl radical in the 2-position.

2,497,146
ELECTRIC SEALING IRON
William Thomas Warren, Brightlingsea, England
Application November 19, 1947, Serial No. 787,018
In Great Britain October 4, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 4, 1964
5 Claims. (Cl. 219—21)



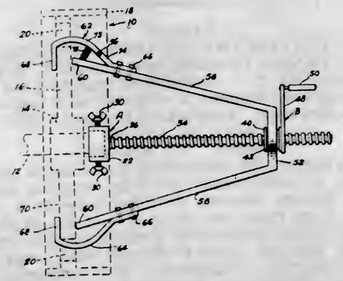
1. An electrically heated sealing iron for use in sealing wrapping papers around goods packed therein such iron comprising a heating unit in the form of a shallow hollow metal box of oblong substantially parallelepipedon form, the bottom of said box being inclined upwardly and outwardly from substantially the centre of its length and forming an imperforate sole plate adapted to be wiped over the wrapping paper to be sealed, an electric heating element of rectangular parallelepipedon form detachably located in said box, a detachable cover to close the upper side of said box and to retain said heating element therein, said cover being removable from the box to give access to the electric heating element, a tubular handle shank secured at right angles to one narrow end of said box, the end of the box to which said handle shank is secured being of greater depth than the other perimetrical walls of the box and being of upwardly tapering form with its outer surface inclined at an angle of approximately 80° to said cover, so that the box is inclined upwardly with respect to the handle shank but is collinearly arranged with respect thereto when seen in plan, a heat and electrically insulating handle on the end of said handle shank opposite to the box, electric connection means within such handle, electric leads from said heating element passing through the said handle shank to the electric connection means within the handle and heat dissipating means provided on said handle shank.

2,497,147
LENS BARREL
Joseph Washam, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application June 18, 1947, Serial No. 755,407
1 Claim. (Cl. 88—57)



A lens holder comprising a barrel having formed in its interior surface a plurality of circumferentially extending grooves axially spaced at different distances from each other, said interior surface in which said grooves are formed providing screw threads over a major portion thereof, a lens for said barrel, and means for mounting said lens in a predetermined position within said barrel, said means including a locating ring adapted to be mounted in any one of said grooves and forming a shoulder for said lens, and a retainer ring having a threaded surface engaging the interior thread bearing surface of said barrel for positioning adjacent any one of said grooves, said retaining ring having an annular shoulder engaging the edge of said lens to position the same against the shoulder of the locating ring.

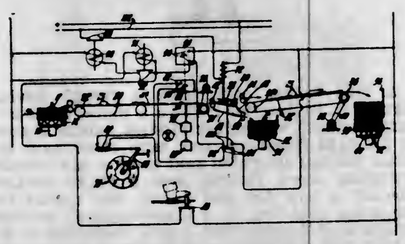
2,497,148
WHEEL ADJUSTING AND REMOVING DEVICE
William T. Allen, Calvert City, Ky.
Application April 1, 1947, Serial No. 738,668
1 Claim. (Cl. 29—283)



A grapple adapted to transmit a pushing or pulling force to an article comprising a U-shaped frame embodying a connecting portion and spaced arms diametrically oppositely arranged with respect to the center line of said connecting portion, the free ends of said arms adapted to engage the face of an article to transmit a pushing force, a curved hook secured to the free end of each arm, the curved portion thereof extending beyond the free end of the arm and being spaced therefrom to engage the rear face of the article to transmit a pulling action thereon, one of said hooks having a pivoted connection with its arm whereby the hook may swing generally radially

inwardly and outwardly with respect to the arm, a spring arranged between the last named hook and arm and connected therewith and serving to bias the last named hook radially inwardly toward the adjacent arm.

2,497,149
APPARATUS FOR HANDLING SHEETS DURING INSPECTION
Albert J. Berdis and Laurence S. Dahl, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application December 21, 1943, Serial No. 515,130
5 Claims. (Cl. 235—98)

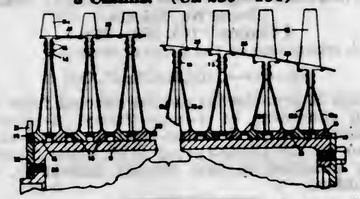


5. Sheet-inspection and classifying apparatus comprising a substantially horizontal inspection conveyor, a carry-away conveyor in alignment therewith but spaced therefrom, a deflector gate pivotally mounted between said conveyors for tilting movement between two positions, adapted in one position to guide sheets onto the carry-away conveyor and in the other to divert them to a piler therebelow, means for operating the gate from one position to the other, manual control means for the gate-operating means, counting mechanism normally actuated by the passage of sheets along the inspection conveyor and a switch actuated by the gate effective to suspend operation of the counting mechanism temporarily.

2,497,150
PROCESS FOR THE CONTROL OF FOAMING
Carl S. Carlson, Elizabeth, and Howard T. Oakley, Jersey City, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 23, 1946, Serial No. 692,706
2 Claims. (Cl. 260—657)

1. A process for controlling spontaneous foaming in a continuously reacting aqueous liquid phase system, wherein an alkyl chloride is prepared from hydrogen chloride and an aliphatic alcohol in the presence of a metal chloride catalyst in aqueous solution during which reaction foam-inducing substances are continuously formed and built up, which comprises an initial step of adding lauryl sulfate to the system in a small amount sufficient to suppress foam formation, whereby foaming is inhibited, followed by a second step during which period the reaction is allowed to proceed and foam-inducing substances continuously form and build up to an undesirable concentration within the aqueous liquid phase reacting system, and a third step of subsequently adding lauryl sulfate to the system in an amount sufficient to positively produce foam therein, and thereafter removing said foam so produced from said system leaving behind a relatively foam-free aqueous liquid phase in which the preparation of the alkyl chloride is continued.

2,497,151
MULTIDISK ROTOR
Thomas Clark and John Harry Clapham Atkins, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England
Application November 13, 1946, Serial No. 709,644
In Great Britain March 4, 1946
3 Claims. (Cl. 230—134)

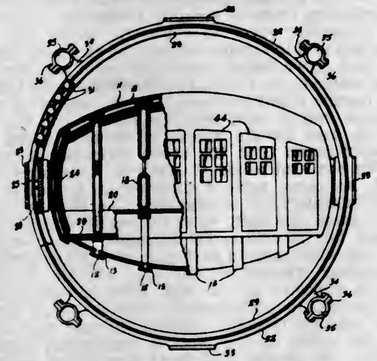


1. In combination, a cylindrical steel drum, pairs of frusto-conical steel discs having hubs shrunk on to and axially located on said drum, and circumferential rows of blades respectively secured to the outer peripheries of each pair of discs, each pair of said frusto-conical discs being arranged axially with one another with the conical surfaces of adjacent discs being concave to one another and all the hubs having intermeshing driving dogs, at least one of the hubs having driving dogs which mesh with driving dogs on said drum.

2,497,152
PURIFICATION OF PETROLEUM SULFONATES
Charles A. Cohen, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 31, 1946, Serial No. 719,371
12 Claims. (Cl. 260—504)

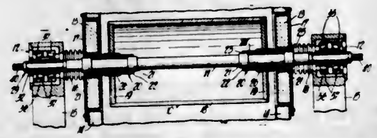
1. A process for purifying oil soluble petroleum sulfonates dissolved in an aqueous solution of a C_3 to C_4 monohydric alcohol containing at least about 40% alcohol which comprises treating said aqueous alcoholic solution of the oil soluble petroleum sulfonates with an aqueous solution of sodium sulfate containing at least 15 grams of sodium sulfate per 100 mls. of solution at a temperature between 40 and 70° C.

2,497,153
AIRPLANE PASSENGER CARRIER
Nicolas Cosakis, Cairo, Egypt
Application June 25, 1946, Serial No. 679,164
3 Claims. (Cl. 244—118)



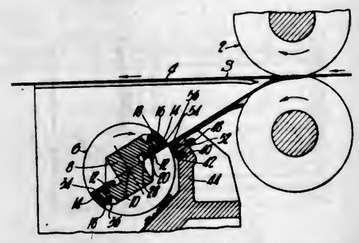
2. A shock-and-fire-resistant passenger compartment for an aircraft comprising an elongated metallic body of circular cross-sectional shape, a covering of fire-resistant material over said body, doors in the sides of said body, and pneumatic cushion means secured within said body to provide individual shock-resistant passenger compartments therein, one opposite each of said doors, said pneumatic cushion means comprising a seat structure in the lower portion of said body, a seat back extending from said seat structure to the top of said body, partition members between the individual passenger compartments, a cushion extending over the top of each passenger compartment, and a cushion on the inner side of each door.

2,497,154
CONVEYER ROLL FOR HEATED STRIPS OR THE LIKE
William H. Dailey, Jr., Library, and Edward A. Di Nucci, Pittsburgh, Pa.
Application February 10, 1948, Serial No. 7,474
10 Claims. (Cl. 263—6)



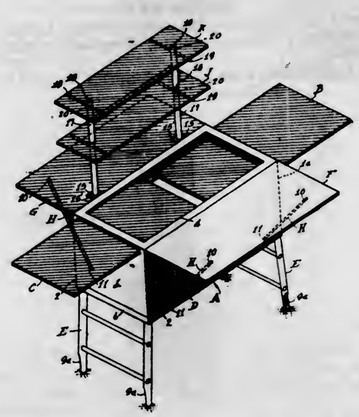
2. Means for mounting a furnace conveyor roll including a tubular body and a plurality of webs spaced therealong on a supporting shaft, comprising a pair of spaced shoulders on the shaft, one on each side of each web, and a sleeve fitted on each pair of shoulders, said shoulders affording a void space between the sleeve and shaft intermediate the shoulders, each sleeve having a seat thereon intermediate said shoulders for one of said webs.

2,497,155
ROTARY SHEAR
Floyd E. Davis, Gary, Ind.
Application October 2, 1945, Serial No. 619,817
1 Claim. (Cl. 164—10.6)



A rotary shear for metallic sheets or the like comprising a rotary knife holder, a knife, said holder having a recess adjacent its outer end for adjustably receiving the knife, said knife having a counterbored opening therethrough extending away from the direction of rotation of the holder, said holder having an opening therein in line with the opening in the knife, a cutting edge at the outer end of the face of the knife, one face of said knife extending from the cutting edge away from the direction of rotation of the knife and forming an angle with a radial line through the cutting edge so that the cutting edge travels ahead of the face of the knife, the outer face of said knife being cut back from the cutting edge so that the maximum radius is at the cutting edge, said holder having a threaded opening therein extending into said recess from the center of the holder, a screw in said threaded opening for moving the knife relative to the center of the holder, a bolt extending through said first and second openings to hold the knife in adjusted position the angle formed by the centerline of the bolt and a line passing through the axis of the rotating knife holder and the cutting edge being substantially less than 90°, a stationary knife located outside the line of travel of said rotary knife and having a face substantially on a radial line extending from the axis of rotation of the rotating knife holder, a cutting edge on said stationary knife adjacent the path of travel of the cutting edge of the rotary knife and means for feeding the sheet to the shear on a line extending substantially toward the center of rotation of the rotary knife and substantially parallel to the said face of the stationary knife.

2,497,156
CAMP KIT HAVING TWO TABLE CLOSURES PROVIDING MULTIPLE SEALS
Robert S. Davis, Ajo, Ariz., assignor of one-half to Robert E. Edgington, Cleveland, Ohio
Application May 20, 1947, Serial No. 749,316
2 Claims. (Cl. 190—12)



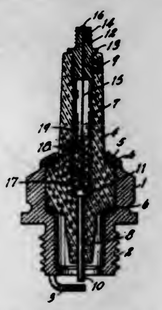
1. In a combination cooking and serving unit of the character described; a box-like cabinet having an open top; a pair of draw leaves slidably mounted between walls of the cabinet and arranged one below the other; the leaves being extensible from the cabinet to provide table surfaces; the two leaves, when fully inserted into the cabinet, providing a double closure for the cabinet top; the leaves being extensible independently of one another, whereby one leaf can be extended while the other remains in a position to close the cabinet top; the cabinet having portions snugly embracing the entire marginal portions of both the top and bottom surfaces of each leaf when the latter is fully inserted into the cabinet, whereby a double seal is provided between each leaf and the cabinet when the former is fully inserted into the latter.

2,497,157
FILM MAGAZINE
Lloyd R. De Witt, Mount Vernon, Ill.
Application February 25, 1948, Serial No. 10,879
3 Claims. (Cl. 95—19)



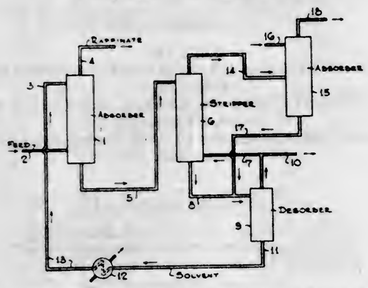
1. A film magazine comprising a housing for mounting on the rear of a camera, said housing having an inner wall formed with a window for exposing a film engaging across said window, a transverse partition in said housing dividing said housing into an exposure chamber and an exposed film chamber, a film shifting plate slidable in said housing, said plate including outwardly extending flanges on the opposite longitudinal edges thereof, a cover removably mounted on the outer end of said housing, a spring-pressed plate actuator slidably carried by said cover, correlated coupling means carried by said actuator and said flanges whereby said plate will be coupled with said actuator when said cover is in applied position, said actuator being normally urged to dispose said plate in said exposed film chamber, and spring-pressed followers disposed in each chamber.

2,497,158
SPARK PLUG
Rex J. L. Dutterer, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application July 17, 1946, Serial No. 684,161
3 Claims. (Cl. 123—169)



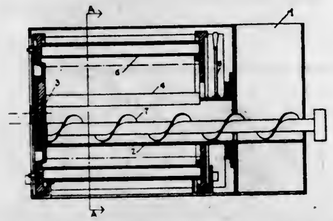
1. A spark plug comprising an insulator member defining a smooth walled central bore with a lower portion of reduced cross-section and an internally threaded portion at the top thereof, a lower electrode provided with an enlargement engaging the bottom of the upper portion of said bore and extending beyond the bottom of said insulator, a center electrode formed of fine wire electrically and mechanically connected to the top of said enlargement and extending upwardly beyond the top of said insulator, a terminal tip passed over the upper end of said wire and having threaded connection with the threaded portion of said bore, said terminal tip having an enlargement engaging the top of said insulator whereby the lower end of said tip does not extend beyond the threaded portion of said bore, the upper end of said wire being mechanically and electrically connected to the top of said terminal, and a preformed capillary tube of boro-silicate glass positioned around the lower end of said center electrode and snugly fitting the walls of said bore, the walls of said bore being glazed where they contact said tube and being fused to said tube, said tube terminating substantially below said tip.

2,497,159
SEPARATION OF OLEFINS
Egi V. Fasce, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 24, 1949, Serial No. 78,100
7 Claims. (Cl. 260—677)



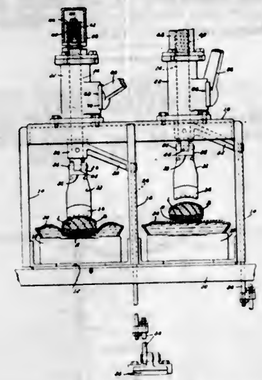
1. The process of separating the mixture of hydrocarbons containing a normal pentene and branched pentenes which comprises contacting said mixture and with a solution of cuprous salt in an organic nitrogen base at a temperature between −29° C. and +38° C. and a pressure from about atmospheric to 200 pounds per square inch gauge to form an extract solution containing the normal pentene and a non-absorbed raffinate fraction containing the branched pentene, and separating the extract solution from the raffinate fraction.

2,497,160
MACHINE FOR MANUFACTURING HOLLOW BODIES OF PLASTIC MATERIAL
Erik Valdemar Fejmert, Nykoping, Sweden
Application September 19, 1945, Serial No. 617,380
In Sweden October 8, 1938
2 Claims. (Cl. 25—30)



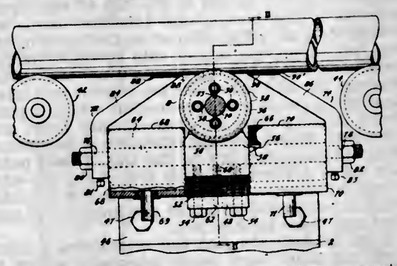
1. A machine for making hollow bodies of plastic material comprising in combination a horizontally disposed rotatable casing, a horizontally disposed rotatable trough within said casing the rotational axis of which is radially removed from that of said casing, a flange extending radially of an edge of said trough, a stationary magazine adjacent one end of said casing and trough and in communication with said trough, means for feeding material from said magazine to said trough for distribution over the flange of said trough, and means for rotating said trough and its flange about its axis during rotational movement of said casing and during the feeding of the plastic material whereby by reason of the axial displacement of said trough and casing said trough can be angularly adjusted for positioning the free edge of the flange a predetermined distance from the internal periphery of the mold casing dependently upon the wall thickness desired of the hollow body to be formed.

2,497,161
SHOE PRESS
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 3, 1948, Serial No. 436
17 Claims. (Cl. 12—36)



1. A shoe press having, in combination, a shoe support, a pressure applying member, means for effecting relative movement between said member and said support to apply initial pressure to a shoe in the press, operator controlled intermittent grip means for applying further pressure to the shoe, and means separate from said intermittent grip means for maintaining said further pressure.

2,497,162
MAGNETIC ROLL CONVEYER
Samuel N. Findlay and Loren A. Hayes, Elyria, Ohio, assignors to National Tube Company, a corporation of New Jersey
Application September 12, 1946, Serial No. 696,596
5 Claims. (Cl. 198—41)

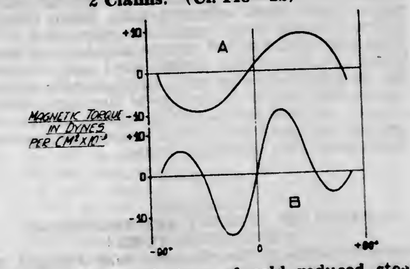


1. A device for conveying elongated magnetizable articles comprising a support furnishing bearings axially aligned in a substantially horizontal direction, a magnetizable conveyor roll rotatably mounted in said bearings and adapted to convey articles in a path tangential to the upper edge of its circumference, means spaced from said roll for additionally supporting the articles, drive means for rotating said roll, fixed magnetic means carried by said support and transmitting magnetic flux to said roll and thereby making the upper edge of the circumference a magnetic pole, and magnetizable means carried by said magnetic means furnishing a pole of polarity opposite that of the upper edge of the roll circumference proximate to the article carrying path and spaced from the upper edge of the roll circumference.

2,497,163
PREPARATION OF 2(p-AMINOBENZENESULFONAMIDO)-PYRIMIDINE
Maurice Louis Auguste Fluchaire and Georges Louis Albert Bost, Lyon, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French company
No Drawing. Application April 5, 1946, Serial No. 659,872. In France April 11, 1945
7 Claims. (Cl. 260—239.75)

1. A process for the preparation of 2(para-aminobenzenesulphonamido) - pyrimidine which comprises reacting a para-acylaminobenzenesulphonylguanidine with the diethyl acetal of propinal and then subjecting the resulting reaction product to a deacylation treatment.

2,497,164
MANUFACTURE OF TIN PLATE
Nelson C. George, Crown Point, and Rolf C. Haab, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application June 25, 1946, Serial No. 679,305
2 Claims. (Cl. 148—12)

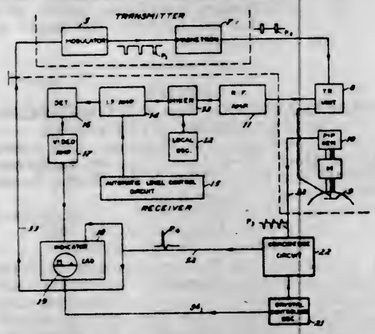


2. In the manufacture of cold reduced steel strip for tin plating and subsequent deep drawing of symmetrical shapes, wherein steel of approximately the composition:

	Percent
Carbon	0.030 to 0.15
Manganese	0.60 maximum
Phosphorus	0.150 maximum
Sulphur	0.050 maximum
Silicon	0.010 maximum
Copper	0.30 maximum

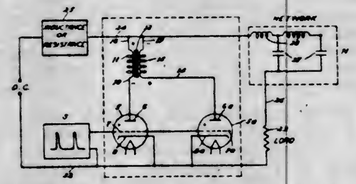
and the balance iron and incidental impurities, is hot rolled into strip, the hot rolled strip is coiled, pickled and cold reduced, and the cold reduced strip is annealed at approximately 1100° F. to 1300° F., a method of producing random crystalline orientation in the steel as measured by its magnetic torque characteristics which, when expressed in a sinusoidal curve, are practically entirely free of harmonics, and thereby of preventing earing when the steel is drawn, comprising finishing the hot rolling at a temperature above 1580° F. and performing the coiling at a temperature above 1300° F.

2,497,165
COINCIDENCE CIRCUIT FOR IMAGE DISPLAYING SYSTEMS
Harold Goldberg, Irondequoit, and Walter C. Thompson, Rochester, N. Y., assignors to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application February 7, 1944, Serial No. 521,459
6 Claims. (Cl. 343—13)



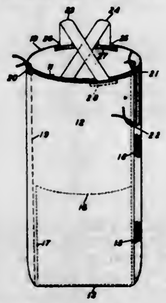
1. In a display system, a display device having a surface on which transitory range marks and transient images corresponding to distant objects can be simultaneously displayed, means including a source of oscillations of predetermined frequency for effecting the display of said range marks, means for generating control pulses, means for transmitting exploring pulses in predetermined relation to the generation of said control pulses, means for receiving echoes of exploring pulses which have been reflected back from objects within a given range, means for generating substantially square pulses, means utilizing said control pulses for causing operation of said generating means to produce said substantially square pulses, and means responsive to the termination of each of said substantially square pulses for causing the operation of said transmitting means to transmit said exploring pulses.

2,497,166
PARALLEL CIRCUIT ARRANGEMENT FOR POWER TUBES
Harold Goldberg, Irondequoit, and Edward F. De Mers, Rochester, N. Y., assignors to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 538,920
7 Claims. (Cl. 315—195)



1. In a circuit arrangement of the class described, a source of direct current, a pair of arc-discharge devices of unequal current handling ratings, each of said devices including a plurality of electrodes, and having certain corresponding electrodes thereof connected in parallel to said source, means for applying a control voltage to one of said devices for initiating the flow of current therethrough, and means responsive to the flow of current through said one device for increasing the voltage applied to the more positive electrode of the other device for insuring the flow of current through said other device, said last mentioned means comprising a transformer having one of its windings connected in series with one device and another winding connected in series with the other device, the turns ratio of said windings being equal to the desired current ratio of said devices, the winding having the smaller number of turns being connected in series with the anode of the device that conducts the greater current, and the winding having the larger number of turns being connected in series with the anode of the device that conducts the smaller current whereby current flow through one device will initiate the operation of the other device and whereby currents through said devices are divided in accordance with their ratings.

2,497,167
SLEEPING BAG
Hazel S. Guyol, Concord, N. H.
Application May 19, 1947, Serial No. 748,870
2 Claims. (Cl. 2—69.5)

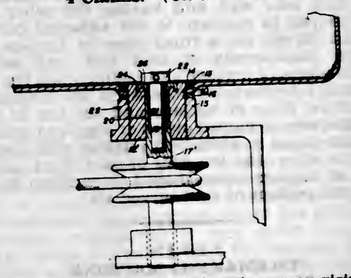


1. An infant's sleeping bag comprising a front panel, an inner back panel integrally united to said front panel at one side thereof, an outer back panel integrally united to said front panel at the other side thereof, said outer back panel overlying said inner back panel with the top edge overlapping the top edge of the inner back panel to a substantial extent when the bag is in normal closed position, means closing the bottom of the bag, fastening means for securing said back panels in said overlying relation, and a pair of shoulder straps integrally united to the top of said front panel at spaced points, said shoulder straps extending to and being crossed at the back of the bag, the underlying one of said straps being integrally united to the top of said inner back panel adjacent the free end of the top edge of said inner panel and passing over the shoulder which is positioned adjacent the juncture of said front and inner back panels, and the outer one of said straps being integrally united to the top of said outer back panel adjacent the free end of the top edge of said outer panel and passing over the shoulder which is positioned adjacent the juncture of said front and outer back panels.

2. An infant's sleeping bag comprising a front panel, an inner back panel integrally united to said front panel at one side thereof, an outer back panel integrally united to said front panel at the other side thereof, said outer back panel overlying said inner back panel with the top edge overlapping the top edge of the inner back panel to a substantial extent when the bag is in normal

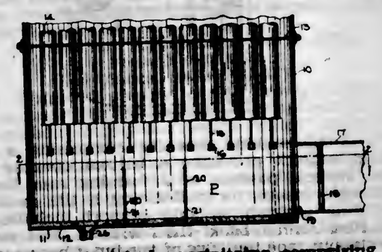
closed position, a bottom panel sewn to the bottom edges of said front and back panels to provide a bottom closure for the bag, fastening means for securing said back panels in said overlying relation, and a pair of shoulder straps integrally united to the top of said front panel at spaced points, said shoulder straps extending to and being crossed at the back of the bag, the underlying one of said straps being integrally united to the top of said inner back panel adjacent the free end of the top edge of said inner panel and passing over the shoulder which is positioned adjacent the juncture of said front and inner back panels, and the outer one of said straps being integrally united to the top of said outer back panel adjacent the free end of the top edge of said outer panel and passing over the shoulder which is positioned adjacent the juncture of said front and outer back panels.

2,497,168
SINK DISHWASHER BEARING
William Norris Harris, Atlanta, Ga.
Application May 23, 1946, Serial No. 671,831
4 Claims. (Cl. 308—36.1)



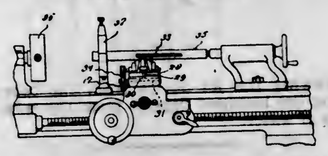
4. A non-leaking shaft bearing comprising, in combination: a bearing mounted liquid-tight in the wall of a receptacle, a shaft journaled in said bearing and carrying a flange; said bearing formed with an annular recess surrounding its bearing opening, said recess opening at a liquid contacting side of said wall; an annular flange carried by said flange closely fitting said recess; and means driven by said shaft, to be immersed in liquid when said means is operating.

2,497,169
GAS DISTRIBUTING SYSTEM
Pierre Herber, Middlesex, and Willis C. Richardson, North Plainfield, N. J., assignors to Research Corporation, New York, N. Y., a corporation of New York
Application April 18, 1946, Serial No. 662,942
2 Claims. (Cl. 183—7)



1. In an electrical precipitator comprising a treating chamber including spaced complementary electrodes, a plenum chamber opening into the treating chamber, a gas inlet into said plenum chamber, gas flow distributors in said plenum chamber comprising a vertical plate member positioned in the plenum chamber between said gas inlet and said treating chamber, and relatively narrow leg means supporting said plate member in a position spaced from the floor and walls of said plenum chamber, said supporting means being attached solely to the floor and providing a minimum of obstruction beneath said plate member.

2,497,170
TOOL
Alonzo R. Hite, Mattoon, Ill.
Application October 30, 1945, Serial No. 625,473
1 Claim. (Cl. 90—11)



A keyway cutting attachment for lathes, comprising a flat horizontal support plate detachably mounted upon the tool rest of the lathe, a substantially flat low horizontal casing secured to the bottom of the support plate and extending transversely of the bed of the lathe, the casing overhanging the bed and having its bottom disposed close to the bed, an upstanding vertical shaft journaled within the casing and projecting above the top of the casing and support plate, a milling cutter secured to the vertical shaft near its top and disposed above the support plate, a worm gear secured to the vertical shaft and disposed within the casing, a horizontal worm mounted within the casing and meshing with the worm gear and having its axis extending longitudinally of the bed, a shaft carrying the worm and extending exteriorly of the casing at one side thereof, a motor secured to the casing at its end remote from the tool rest and having its armature shaft disposed horizontally and parallel to the bed of the lathe, gearing operatively connecting the armature shaft of the motor and the shaft carrying the worm, and an upstanding steady device secured to the casing and extending above the same and adapted to engage the work at its side opposite the milling cutter to prevent vibration of the work.

2,497,171
ELECTRIC PRECIPITATOR TUBE CLEANING METHOD
Joshua B. Jones and Richard H. White, Youngstown, Ohio, assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application November 27, 1944, Serial No. 565,298
1 Claim. (Cl. 134—24)

The method of removing adhering deposits of mud or scale from the inner surface of an electric precipitator tube having an axially directed electrode therein, which comprises inserting in the tube a disc shaped air jet device having a radius slightly less than that of the bore of the tube, and having a slot therein to receive the electrode, said jet device being provided with a plurality of substantially radially directed jets on its peripheral surface, subjecting the inner wall of the tube to jets of compressed air from the jet device, moving the jet device axially of the

tube to subject at least substantially all the inner surface of the tube to the compressed air jets, whereby to loosen the deposits from the tube,



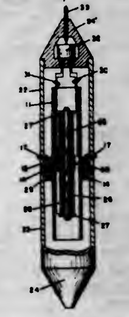
withdrawing the jet device from the tube, and flushing the loosened deposit from the tube by a stream of water.

2,497,172

MEANS FOR MOUNTING ELONGATED MAGNETOSTRICTIVE ELEMENTS

Clare H. Kean, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application September 27, 1947, Serial No. 776,549
3 Claims. (Cl. 171—209)



1. An improved mounting for a magnetostrictive element adapted to permit free vibration of the ends thereof which comprises an elongated element of magnetostrictive material, a wedge member rigidly affixed coaxially around the outer periphery and substantially midway between the ends of said element, a rigid supporting member defining an opening having a bevelled seat adapted to receive said wedge member, and means for forcing said wedge member to seat in said opening.

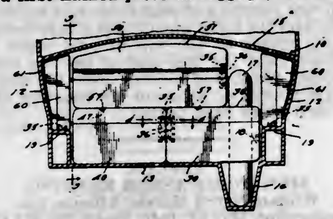
2,497,173

BAGGAGE SET FOR AUTOMOBILE TRUNKS

Herman J. Kossow, Washington, D. C.

Application October 10, 1947, Serial No. 779,136
2 Claims. (Cl. 224—42.42)

1. The combination with an automobile baggage compartment including, a floor, a vertically disposed rear wall, and a curved lid pivotally mounted on said rear wall for movement into and out of closing relation with respect to said floor and rear wall to thereby form a closed compartment, of a set of luggage positioned within said closed compartment and adapted to conform to the shape of the latter, said set of luggage comprising a first piece of luggage resting upon said floor and having one end wall abutting said rear wall, and having the other end wall shaped to conform to the adjacent portion of said curved lid, a second piece of luggage resting upon said floor in side by side abutting relation with respect to said first named piece of luggage, said second



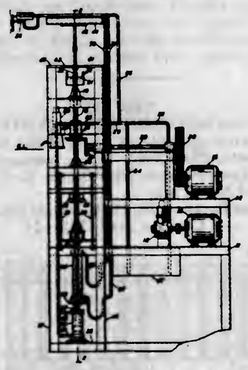
named piece of luggage having one end wall abutting said rear wall and having the other end wall shaped to conform to the adjacent portion of said curved lid, a third piece of luggage arranged transversely of said first and second named pieces of luggage and resting upon the latter, and interengaging means on the bottom of said third piece of luggage and the top of said first and second named pieces of luggage for holding said pieces in assembled relation with respect to each other, the top wall of said third named piece of luggage being shaped to conform to the adjacent portion of said curved lid.

2,497,174

TILEMAKING MACHINE

Clarence M. Lee, Charles O. Lee, and Oscar Lee, Waseca, Minn., assignors to Lee Hydraulic Machinery, Inc., Waseca, Minn., a corporation of Minnesota

Application May 23, 1947, Serial No. 750,070
4 Claims. (Cl. 25—36)



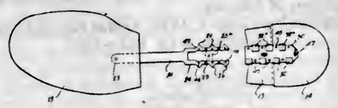
1. A tile-making machine comprising a tile mold support providing a bottom opening for the vertical passage of a forming ram therethrough, means for restraining a tile mold in molding position on said support including a member for engaging the tile mold, said member being mounted for movement from a mold engaging position to a mold disengaging position, a forming ram mounted for rotation and for vertical reciprocation through said opening and through a tile mold on said support, said ram being of a size to effect substantial closure of said opening when inserted therein, power-operated means for rotating said ram, second power-operated means for reciprocating said ram between the point where said ram effects closure of said opening and a point above said opening in the formation of a tile, third power-operated means for reciprocating said ram and said second power-operated means between the point where said ram effects closure of said opening and a point below said opening, and means actuated by operation of said third power-operated means for moving said mold engaging member from mold engaging position to mold disengaging position.

2,497,175

SHOE CONSTRUCTION

John P. Mantos, Boston, Mass.

Application March 2, 1948, Serial No. 12,611
2 Claims. (Cl. 36—2.5)



1. A shoe construction comprising an outer sole, an inner sole superimposed upon said outer sole and secured thereto, a heel having a recess at its breast receiving the rear-end portion of said outer sole, a shank secured at one end to said inner sole adjacent the rearward end of the latter and extending rearwardly of said outer sole, said shank being bifurcated near its rearward end to provide a pair of spaced-apart prongs, and each of said prongs having a series of spaced-apart, outwardly-projecting serrations along its outer edge and a series of contiguous indentations along its inner edge, a sheath secured to the upper face of said heel and slidably receiving said prongs, a radial finger pivoted on said sheath in position to lie between said prongs, said finger being engageable in any selected one of said indentations to move said prongs laterally of said sheath at the corresponding longitudinal position of said prongs relative to said sheath, and locking means on said sheath engageable with the serrations on the prong having the indentation with which said finger is engaged to lock said prongs against longitudinal movement relative to said sheath.

2,497,176

HYDROGENATION CATALYST

Ralph Burgess Mason, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 12, 1946,
Serial No. 676,353
4 Claims. (Cl. 196—53)

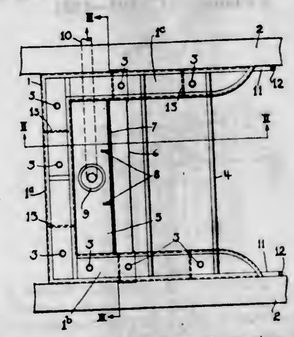
1. Improved process for the hydrogenation of unsaturated high molecular weight petroleum hydrocarbons containing sulfur which comprises contacting said high molecular weight hydrocarbons under non-destructive hydrogenation conditions with a catalyst consisting essentially of about 40–90% by weight of nickel sulfide promoted with a minor promotional amount of thoria amounting to about 0.5–15% by weight of the catalyst, the balance amounting to a substantial proportion of the catalyst being alumina, whereby the feed oil is hydrogenated to saturated hydrocarbons and no substantial depolymerization and cracking results.

2,497,177

DIFFERENTIAL GRAVITY SKIMMER

John H. McClintock, Cranford, N. J., and George D. Priestman, Billings, Mont., assignors to Standard Oil Development Company, a corporation of Delaware

Application November 27, 1946, Serial No. 712,644
5 Claims. (Cl. 210—51)



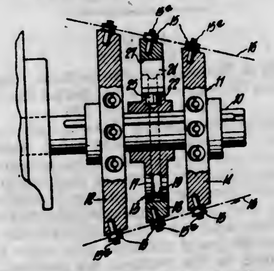
1. An apparatus of the character described, comprising a substantially U-shaped float member, including a base float portion and oppositely disposed wing float portions, said base and wing float portions defining a confined collecting area open at one end and closed at the other, a skimming pan within said area, extending laterally across the closed end thereof, in liquid tight relation to said base and wing float portions, a baffle and weir secured to the outer edge of said pan, the baffle member depending downwardly therefrom below the float member and extending laterally across the full width of the float member, and a conduit flexibly connected with said skimming pan to drain therefrom liquid collected in said pan.

2,497,178

ADJUSTABLE PREFORMING HEAD

Owen A. McNamee, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

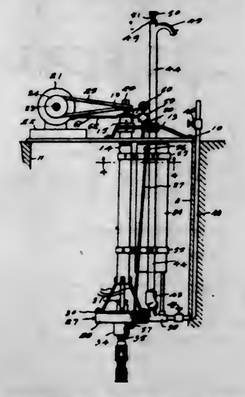
Application November 2, 1948, Serial No. 57,850
12 Claims. (Cl. 57—55)



1. In a preforming head for a wire-stranding machine a generally circular plate adapted to be mounted on the spindle of the machine for supporting wire-bending rollers spaced about the

periphery thereof, said plate comprising a central disc, a ring surrounding the disc and rotatable thereon, said disc having a segmental cut-out in its periphery, a block mounted on said disc having opposite lateral faces exposed in said cut-out, and adjusting screws threaded through said ring and adapted to engage said faces.

2,497,179
PUMP
Lee E. Meisner, Raymond, Ill.
Application February 16, 1946, Serial No. 8,620
5 Claims. (Cl. 103—103)



1. In a water supply system for wells, a platform over the well having a manhole therein, a base on the platform, an elongated tubular housing depending from said base and extending into the well, a centrifugal pump carried by the lower end of said housing below the frost line in the well and having a suction inlet pipe extending down into the water in the well and a valved outlet, a shaft extending through the housing and journalled at the upper end thereof, said pump including a casing and a rotatable impeller therein having a water-tight connection with the lower end of the shaft through the casing, distributing connections leading from the outlet, a vertically disposed cylindrical pressure storage tank communicating with one connection and supported from said tubular housing below the frost line in the well, a motor for driving the shaft, and means operated by the pressure in the tank to start and stop the motor.

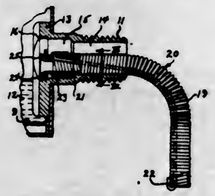
2,497,180
GARMENT
Louis H. Mendelsen, Springfield, Ohio
Application November 5, 1946, Serial No. 707,835
1 Claim. (Cl. 2—231)

In combination with a drawer type garment worn next the body and having a waist band portion, seat and leg portions, a loose lining insert for the left leg of the garment and comprising a piece of fabric adapted to conform to the shape of the drawer and having substantially straight side edge portions and a substantially straight edged bottom portion, said straight side edge portions being secured to the vertical leg portions of the drawer at the front and back and having its upper ends stitched to the waist band of the drawer forming a loop against lengthwise strains, said fabric piece having a free margin of concave arcuate shape conforming to the shape of the crotch portion of the garment and said substantially straight edged bottom portion being



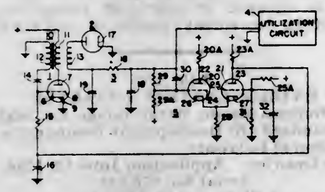
free from attachment to the garment except at its ends where it joints the bottoms of the side edge portions.

2,497,181
VENT VALVE STRUCTURE
Peter Lawrence Mikesska, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application July 1, 1946, Serial No. 680,710
2 Claims. (Cl. 137—122)



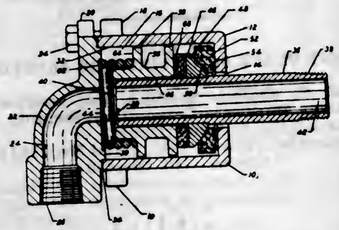
1. As an article of manufacture, a vent valve structure having projecting therefrom a helical coil spring syphon tube for conducting liquid by capillarity along the coils of the tube.

2,497,182
POWER SUPPLY
Glenn H. Miller, Ames, Iowa, assignor to Stromberg-Carlson Company, a corporation of New York
Application January 23, 1948, Serial No. 3,872
8 Claims. (Cl. 321—2)



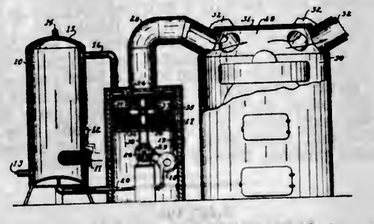
1. In combination with a pulsed power supply arranged to operate at a predetermined repetition rate including a pulsed oscillator, means for energizing said oscillator, means for rectifying the output of said oscillator and means for filtering the rectified output of said oscillator, and means responsive to undesired changes in the voltage at the output of said filtering means for varying said repetition rate in a sense to correct for such changes, whereby the value of said voltage is maintained substantially constant.

2,497,183
SWING JOINT
Rollo O. Monroe, Three Rivers, Mich., assignor to The Johnson Corporation, Three Rivers, Mich., a corporation of Michigan
Application April 30, 1947, Serial No. 744,855
2 Claims. (Cl. 285—97.6)



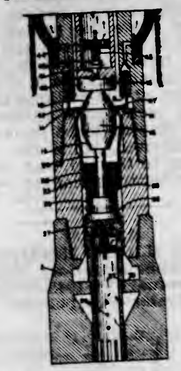
1. A fluid joint comprising a cup-shaped body portion, an attachment flange on said body portion, a fitting adapted for attachment to a relatively stationary part and presenting an attachment flange to join with said first flange, a nipple, movable on its longitudinal axis, projecting through an opening in said body portion said opening providing circumferential clearance with the nipple, a spherical segmental sealing portion on said nipple, a spherical segmental sealing ring floatingly mounted within said body portion in sealing relationship with said sealing portion and said body portion, a cylindrical guide in which one end of said nipple is journaled and within said body portion, and a spring seated on said guide and adapted to urge said guide against said sealing portion.

2,497,184
ELECTRIC HOT-WATER TANK ATTACHMENT
Don C. O'Brien, Coeur d'Alene, Idaho
Application March 25, 1947, Serial No. 737,170
1 Claim. (Cl. 237—50)



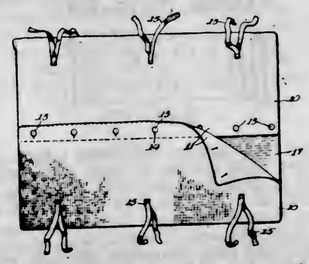
A device of the character described, in combination with a heat insulated hot water tank and a heat insulated hot air furnace, comprising a housing, a radiator in said housing, means for connecting said radiator to said tank, means for connecting said housing to said furnace, and said means comprising an insulated pipe having a bell formation on one end confronting the radiator, means for circulating the water in the tank and the radiator insulation means on said tank, housing a connecting means for retaining the heat therein and means for forcing air from said housing, which has been heated by said radiator, into said furnace, for the heating of a dwelling, and motor means in said housing for operating said water circulating and heat circulating means.

2,497,185
DRILL STEM TESTING DEVICE
Carl E. Reistle, Jr., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 30, 1947, Serial No. 794,736
7 Claims. (Cl. 166—1)



5. A device adapted for receiving a sample of fluid from a formation comprising, in combination, a body member defining a cavity adapted to receive a sample with a passage connecting said cavity with the exterior of the body member, a valve member carried by the body member adapted to assume a closed position preventing flow of fluid through the passage and movable from a closed position to an open position for admitting fluid therethrough, a piston member slidably mounted on the body member and adapted to be moved from a first position to a second position and from a second position to a third position, a hook member secured to said piston member said hook member including a plurality of hooks arranged to be moved radially on movement of said piston member from its first position to its second position, an activating member carried by the body member for moving the valve member from its closed to its open position upon movement of the piston from its second to its third position.

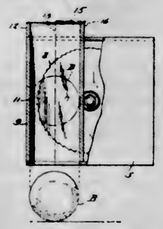
2,497,186
BLANKET
Ida Pedersen, Chicago, Ill.
Application March 7, 1945, Serial No. 581,424
1 Claim. (Cl. 5—334)



A sleeping blanket comprising two sheet like sections entirely separated from each other, means separably securing adjacent edges of said sections together in overlapping relation, anchor-

ing tapes secured to each of the sections in spaced relation throughout the length of the sections, and spaced a substantial distance from the free lateral edges of the respective sections and adapted to be tied to a portion of the bed, the free portions of the respective blanket sections beyond the said anchoring means, being adapted to be tucked under the mattress, the entire remaining portion of each section, when in use, being disposed above the person, each of said sections, while thus anchored and tucked under the mattress, being adapted to be hung over the respective adjacent sides of a bed, when the proximate edges of the sections are unfastened and separated, each of the sections, when separated, being adapted to be separately and independently removed, while the other section remains secured to the bed, and also adapted to be employed as separate blanket covers or units.

2,497,187
BUN SLICING MACHINE
Louis Sammy, Gary, Ind.
Application February 26, 1948, Serial No. 10,989
1 Claim. (Cl. 146—73)



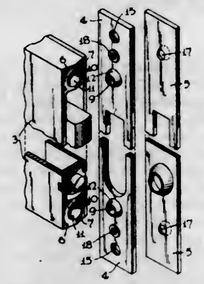
A bun-slicing machine including a casing, a motor in the casing, a rotary knife powered by the motor, a bun chute carried by the casing, a portion of the knife extending through one wall of the chute, the peripheral edge of the knife being spaced from the opposed wall, and an insert adapted to be positioned in the chute along the first-named wall for adjusting the bun passage defined by the chute, said insert including a block having an elongated slot for receiving the knife, and an end plate secured to one end of the block and comprising a hook for engaging one end of the chute.

2,497,188
FISHHOOK HOLDER
Henry E. Schindler, Seattle, Wash.
Application November 26, 1948, Serial No. 61,963
2 Claims. (Cl. 43—57.5)



1. A fish hook holder comprising a thin-walled rectangular back having at each end a folded-over portion providing an offset flange at each end of said back, said back having spaced-apart apertures therein between said flanges, a wire having U-shaped eyes therein secured to said back with said eyes extending through respective apertures in said back, and a pad of resilient material disposed on said back with its ends secured between said back and said offset flanges, said pad having apertures therein receiving respective eyes of said wire and having a thickness greater than the distance said eyes extend from said back, whereby fish hooks may be inserted through said eyes upon compression of the portions of the resilient pads surrounding said eyes and will be firmly held in said eyes with their points embedded in said pad upon re-expansion of the resilient pad material.

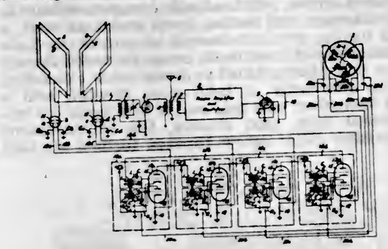
2,497,189
FRONT PLATE MOUNTING FOR MORTISE LOCKS
Elwood F. Shaffer, Reading, Pa., assignor to Reading Hardware Corporation, Reading, Pa., a corporation of Pennsylvania
Application June 30, 1947, Serial No. 758,113
3 Claims. (Cl. 70—450)



3. In a lock of the type adapted to be mortised into the edge face of a door, a casing having its front face beveled at a predetermined angle in respectively opposite directions from the longitudinal center line of said front face and having holes in its front face counterbored to provide therein substantially semi-spherical recesses, a front plate arranged to overlie said casing front face and having inwardly offset portions of substantially semi-spherical shape arranged for interfitting cooperation with said recesses in the casing front face, said offset portions and recesses providing substantially a ball and socket mounting of the front plate upon the front face of the casing operable to effect positioning of said front plate angularly with respect to the front face between the limits defined by said bevels thereon, and means arranged to extend through said inwardly offset portions of the front plate and engage said holes in the casing front face to secure said front plate thereto in any selected angular position thereof within said limits.

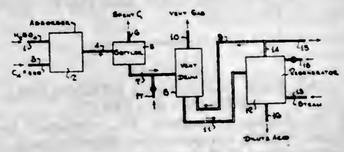
2,497,190
ELECTRONIC INDICATOR
John R. Steinhoff, Brooklyn, N. Y.
Application June 18, 1948, Serial No. 33,706
7 Claims. (Cl. 343—121)

1. An electronic direction-indicating system comprising an antennae array providing a plurality of directional antenna circuits, a single radio amplifying channel, an indicating device including a plurality of windings and pointer means movable in response to the magnitude and sense of currents in said windings, and means for cyclically connecting said antennae circuits to said amplifying channel and synchronously connecting the amplifying channel to a corresponding terminal of said windings through low-resistance non-amplifying circuit elements comprising a series succession of electronic tube stages corresponding in number to the number of said winding terminals, and connections between said



tube stages for establishing conduction in one stage upon the cessation of conduction in the preceding stage.

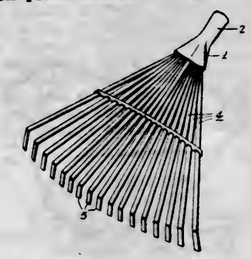
2,497,191
ISOBUTYLENE PRODUCTION
Clellie T. Steele and Ernest A. Epps, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 20, 1946, Serial No. 717,356
3 Claims. (Cl. 260—677)



1. A process for the production of substantially pure isobutylene from an isobutylene fraction containing isomeric butene-1 and butenes-2 which are difficult to remove therefrom which comprises contacting the isobutylene fraction with sulfuric acid of 55–70 wt. per cent concentration to form an isobutylene-sulfuric acid extract contaminated with physically dissolved and mechanically entrained isomeric butene-1 and butenes-2, stripping the contaminated extract with an isobutylene fraction substantially free of butene-1 whereby the physically dissolved and mechanically entrained isomeric butene-1 and butenes-2 are removed from the extract, and thereafter stripping the purified extract with steam to recover therefrom isobutylene substantially free of isomeric butene-1 and butenes-2.

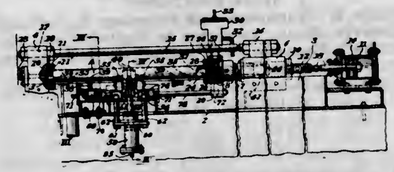
2,497,192
LAWN RAKE
Joseph T. Thayer, Jr., Hatboro, Pa., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 24, 1948, Serial No. 16,679
3 Claims. (Cl. 56—400.17)

1. A lawn rake comprising a plurality of tines assembled in side-by-side relatively spaced relation and approximately in a common plane, means uniting the tines at one end of said assembly, the other ends of the tines describing a curve in the said common plane and having their terminal portions offset from said plane so that when the assembly is held at a normal working angle with respect to a work surface the extremities of the offset portions will occupy a relatively upright position to the plane of said surface, and said offset portions differing as to length so that the tips thereof will lie approximately in a common plane corresponding to the plane of



the work surface when the assembly is held at the said normal working angle.

2,497,193
HYDRAULIC TESTING MACHINE
Samuel Webb, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 4, 1944, Serial No. 566,581
11 Claims. (Cl. 73—37)

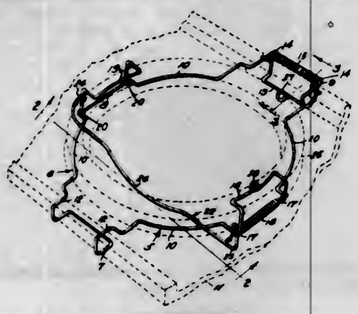


1. A testing machine for subjecting the interior of a hollow article to fluid pressure which comprises in combination a tailstock, a headstock, means for moving the headstock toward and away from the tailstock for holding a hollow article between the tailstock and headstock and for releasing it, respectively, means on the tailstock and headstock for forming a seal between the article and the tailstock and headstock when the latter is advanced toward the tailstock, means for gripping the article at a point intermediate its ends, means supporting the gripping means for travel in a direction toward and away from the tailstock, stop means for limiting the extent of travel of the gripping means away from the tailstock, means operated by the headstock moving means after the headstock has advanced at least substantially into contact with one end of the article to thrust the gripping means and the article held thereby toward the tailstock, and means constantly exerting a force upon the gripping means in a direction away from the tailstock, whereby the gripping means and the article held thereby are positively moved away from the tailstock when the headstock is retracted from the tailstock.

2,497,194
BABY'S PLATE HOLDER
John T. White, Palmyra, Mo.
Application September 17, 1948, Serial No. 49,838
9 Claims. (Cl. 248—229)

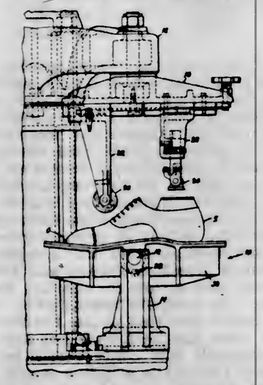
1. A plate holder comprising a frame adapted to be supported on a high chair tray, hook portions projecting from said frame and detachably engaging under the tray for mounting the frame thereon, a pair of swingably mounted hook members projecting upwardly from said frame and having inwardly extending upper portions

adapted to engage over portions of a plate for retaining the plate in engagement with the



frame, and at least one of said last mentioned hook portions being swingably mounted for releasably engaging the plate.

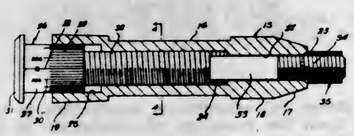
2,497,195
APPARATUS FOR PRESSING SOLES ON SHOE BOTTOMS
Charles K. Woodman and Napoleon S. Ferland, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 3, 1947, Serial No. 789,380
21 Claims. (Cl. 12—38)



1. Apparatus for pressing soles on the bottoms of shoes, comprising a soft resilient pad, and a metal blanket entirely covering said pad, said blanket comprising a plurality of stiff metal bars arranged in side-by-side relation to form a substantially continuous surface, said bars being connected together for bodily movement relatively to one another and also being each yieldable in response to pressure of a shoe thereon to conform to the lateral and heightwise curvatures of the bottom of the shoe.

2,497,196
MICROMETER HEAD SPACE GAUGE
Leroy A. Woodward, Dickinson, N. Dak.
Application February 20, 1948, Serial No. 9,817
1 Claim. (Cl. 33—163)

In a head space micrometer for measuring the distance from the internally shouldered forward end of a firing chamber to the forward end of a closed breech closure, including an internally threaded sleeve substantially complementary to said chamber and having front and rear ends, a beam having external threads at an intermediate portion thereof, said beam being threaded in said sleeve and having front and rear ends extending axially outwardly of both ends thereof, and a head formed on said rear end of said beam for engagement with said closure, the improvement comprising other screw threads formed on said



front end of said beam, a lock nut threadedly and adjustably engaged with said last named threads, said sleeve including a forward end formed with a forwardly-directed frusto-conical recess axially thereof, said lock nut including a rear end formed with a rearwardly-directed frusto-conical sleeve engaging end, and said sleeve engaging end of said nut being wedgingly seatable in said recess, whereby to lock said beam and sleeve in pre-set relation to each other.

2,497,197
CAP FOR NONRIGID DISPOSABLE NURSING BOTTLES
Adda M. Allen, Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C., a corporation of Delaware
Application January 25, 1946, Serial No. 643,400
4 Claims. (Cl. 215—11)



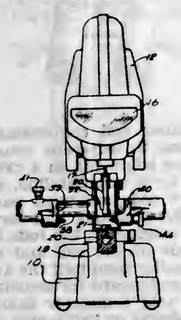
3. A nursing device comprising a disposable container bag of collapsible, pliant flexible material having an open forward end, a reusable rigid collar attached to the open end of said container, and a nursing nipple attached in sealing engagement to said collar, said collar being relatively narrow axially as compared with the length of said container bag, and comprising inside and outside annular members concentrically arranged with respect to one another, said inside member having an inwardly and rearwardly tapering outer sealing surface and said outside member having a correspondingly tapered inner sealing surface, said surfaces being formed to grip the open end edge area of said container bag in sealing relation between them when said end edge area is wrapped around the outer surface of said inside member and said members are axially wedged together, said members having cooperating aligned resilient lugs and sockets positioned to spring into engagement with one another when said members are axially wedged together to lock said members in their fully wedged relation to retain the open end edge area of the container bag in sealed relation between said surfaces.

2,497,198
WIDE MOUTH NURSING UNIT
Adda M. Allen, Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C., a corporation of Delaware
Application December 14, 1945, Serial No. 634,948
3 Claims. (Cl. 215—11)



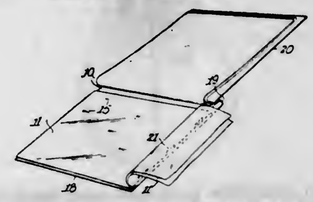
1. A nursing unit comprising a disposable container bag of pliant material having a closed rearward end and an open forward end, and a reusable collar assembly made of rigid material and a reusable nursing nipple secured in sealing relation to the open end of said bag, said collar assembly comprising a separate inside ring surrounded by and providing inside support for the open end edge of said bag, the minimum interior diameter of said inside ring being substantially equal to the diameter of said bag at its open end whereby said inside ring does not substantially restrict the flow of liquid from the open end of said bag, said nipple having a central forwardly protruding nursing portion and a surrounding integral relatively wide perimeter area of diameter as great as that of the open end of said bag and overlying the open end of said bag and the forward end of said inside ring, said collar assembly further comprising a separate outside retaining ring surrounding said inside ring and the open end edge of said bag and having means to clamp said perimeter area of said nipple in sealing engagement with and overlying the open end of said bag.

2,497,199
GAUGING DEVICE
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application November 1, 1943, Serial No. 508,559
4 Claims. (Cl. 33—143)



4. A thread gauge comprising a base, a column on said base, a gauge unit adjustably mounted on said column and having a work operated plunger, a block removably fixed on said base and having a movable work anvil, means carried by said block for quickly raising and lowering said anvil, said block having a post rigid therewith and arranged closely adjacent said column, said post providing a bearing, a shaft rotatably mounted in said bearing and axially movable therein, a pair of work carrying arms on said shaft and relatively adjustable thereon to vary the spacing therebetween, said arms having work centers adapted for engagement with opposite ends of a threaded workpiece, and a bar parallel to said shaft and spaced therefrom and engaging both of said arms to prevent relative angular movement thereof.

2,497,200
QUIZ DEVICE
Robert E. Appel, Chicago, Ill.
Application May 24, 1947, Serial No. 750,240
4 Claims. (Cl. 35—35)

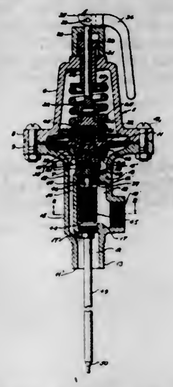


1. A quiz device embodying therein a supporting backing sheet, a set of substantially opaque statement sheets and a set of substantially transparent revision sheet, there being a revision sheet for association with each statement sheet, the set of statement sheets being fixed along one margin to a part of the backing sheet and the set of revision sheets being fixed along one margin to another part of the backing sheet, each sheet of each set being swingable about its fixed margin so that any revision sheet may be disposed in superposed relation upon its associated statement sheet, each statement sheet having indicia thereon, certain portions of which are arranged for revision by the user, each revision sheet having in certain areas thereof revision portions that are arranged substantially to register with said portions of the associated statement sheet when superposed thereon, thereby affording a direct visual comparison of the revisions made by the user in said portion of the indicia on the statement sheet, with the pertinent revision matter on the revision sheet.

2,497,201
RELIEF VALVE
Francis L. Banner, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application September 16, 1946, Serial No. 697,177
9 Claims. (Cl. 236—92)

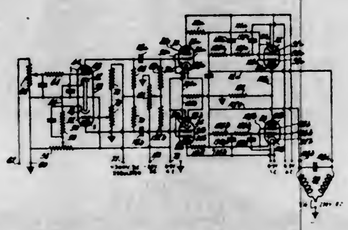
1. A relief valve comprising a housing including a removable top part and a lower part having an inlet port and an outlet port, partition means dividing the interior of the lower part into an inlet chamber and an outlet chamber, an opening in the partition means having a surrounding margin on the inlet side of the partition means providing an upwardly facing valve seat, an upwardly movable valve member normally engaging said seat, a bellows below said valve in the outlet chamber exposed to flow therethrough, said bellows having its lower end rigidly connected to and supported by the lower housing and being disposed with its axis of expansion substantially aligned with said opening, an abutment on the upper end of the bellows adjacent said opening having a one-way engagement with said valve member to unseat the same when the bellows

expands, and a tube communicating at one end with the lower end of the bellows and projecting through the inlet port, the other end of the tube being closed and the tube and bellows being filled



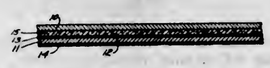
with an expansible fluid, said valve being removable for replacement or repair, when the top housing part is removed, without disturbing the bellows and the tube.

2,497,202
ELECTRONIC RELAY
Joseph G. Beard, Haddonfield, and Robert W. Harralson, Masonville, N. J., and Alexander Kreithen, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application December 30, 1944, Serial No. 570,706
6 Claims. (Cl. 315—194)



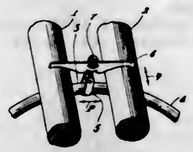
1. An electronic relay operable on variation of a direct current signal from a given value to shift an alternating current from one channel to another, said relay comprising a pair of amplifiers having a common cathode circuit, each of said amplifiers having at least a control electrode in addition to a cathode and an anode, connections for applying said direct current signal to the control electrode of one of said amplifiers, connections for applying a balancing potential to the control electrode of the other of said amplifiers, connections including said common cathode circuit for applying an alternating voltage to each of said amplifiers, output means to be controlled having alternate alternating current channels, first and second gas tubes in each of said channels, each of said tubes having at least a cathode, an anode and a grid, a supply of alternating energy for said output means and said tubes of the same frequency as said alternating voltage and in phase therewith, means for applying the output of said amplifiers to the grids of said first tubes in said channels, respectively, and means for applying to the grids of said second gas tubes voltages delayed in time with respect to said alternating energy.

2,497,203
BUTTER PACKAGE
Clarence G. Bennett, San Mateo, Calif., assignor to Paterson Pacific Parchment Company, a corporation of California
Application November 12, 1947, Serial No. 785,493
2 Claims. (Cl. 99—179)



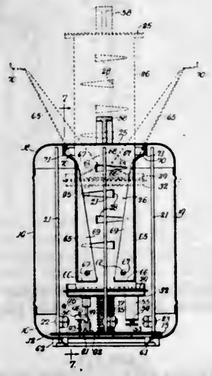
2. A butter package comprising a cake of fresh butter completely enclosed in a sheet material consisting of a relatively water and moisture impermeable base sheet material positioned on the outside of the package, a relatively water permeable sheet of vegetable parchment positioned in direct contact with the cake of butter, a layer of water soluble mold-retarding material selected from the group consisting of sodium chloride, sodium propionate, calcium propionate, and mixtures thereof, provided between said sheets, and a laminating agent securing said sheets together as a unitary wrapper with said mold-retarding material therebetween.

2,497,204
COIL SUPPORT
Dirk Boterweg, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford Conn., as trustee
Application July 20, 1946, Serial No. 685,138
In the Netherlands August 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 25, 1963
4 Claims. (Cl. 175—21)



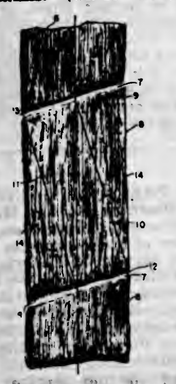
1. An inductance coil comprising an electric conductor wound in adjacent spaced convolutions whose outer edges fall in a cylindrical surface generated by a straight line, a pair of insulating support rods arranged parallel to the line in one of its positions and serving to support the wound conductor, the rods being located on the same side of the coil and spaced apart by a distance smaller than half the average diameter of the coil, and means for securing individual convolutions of said conductor against the rods to prevent peripheral or transverse movement of a convolution relative to the rods emprising a draw element acting on the arc of the convolution between the support rods, a bridge element disposed on the opposite sides of the support rods, and an adjustable element for connecting the draw element and the bridge element with an adjustable tension.

2,497,205
ELECTRIC COOKING APPLIANCE
Lee Brewton, Melrose Park, Ill., assignor to Federated Machine Products Inc., Chicago, Ill., a corporation of Illinois
Application October 30, 1947, Serial No. 783,004
10 Claims. (Cl. 99—391)



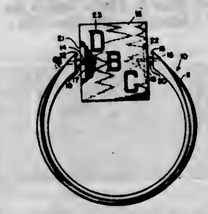
1. In an electric cooking appliance the combination of means including upright side wall members forming a housing having an opening in the top wall thereof, a rack, a pair of vertical posts supported within said housing on which said rack is slidable between a lowered position within said housing and a raised position projecting from said housing, each of said posts having free upper ends to accommodate removal of the rack therefrom when the rack is in raised position, electric heating elements arranged at opposite sides of the path of said rack within the housing, means for latching the rack in lowered position and simultaneously operative to close an electric circuit through said heating elements.

2,497,206
METALLIC WOOL PAD
Charles Arthur Bruce and Frank H. Lyons, Memphis, Tenn., assignors to E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware
Application August 26, 1946, Serial No. 693,144
6 Claims. (Cl. 15—209)



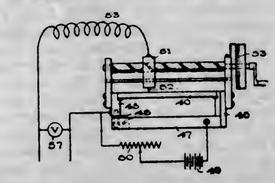
6. An article of manufacture for use as a cleaning element comprising: a substantially flat pad of metallic wool both sides of which are adapted to be applied to a surface to be cleaned, said pad having at least two ply-like completely contiguous wool layers of substantially equal thickness, the filaments of each layer being arranged generally in parallelism and extending in a direction different from the lay of the filaments of the other layer.

2,497,207
FINGER RING
Ernest Burk, Washington, D. C.
Application February 18, 1946, Serial No. 648,225
9 Claims. (Cl. 63—15)



1. A finger ring comprising a reversible setting support disposable in either of two positions, a prestressed shank for gripping said setting support, said setting support being pivotally mounted on said shank, and means comprising a detent and a cooperating groove for locking said setting support in either of said two positions.

2,497,208
ELECTRICAL LOGARITHM COMPUTER
Norman D. Coggeshall, Verona, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application August 27, 1948, Serial No. 46,399
4 Claims. (Cl. 235—61)



2. Apparatus for obtaining an electric signal which varies in a logarithmic manner with a linearly varying adjustment comprising a uniform concentric circular annular sector-like member of electrically conducting material, means for flowing an electric current uniformly between the inner circular edge of said sector-like member and the outer circular edge of said sector-like member, means for electrically contacting a point on the surface of said sector-like member, means for radially adjusting said contact point, and an output circuit connected between said contact point and a circular edge of said sector-like member.

2,497,209
COMB
Samuel I. Davitcho, Montreal, Quebec, Canada
Application September 6, 1946, Serial No. 695,163
11 Claims. (Cl. 132—11)

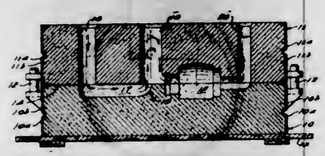
5. A comb comprising a teeth holder, at least

one row of teeth, a carrier for said teeth re-



movably carried by said holder, the teeth being shaped to form an undulated working face.

2,497,210
METHOD FOR CASTING METALS
Ray E. Day, Detroit, Mich.
Application Mar 6, 1947, Serial No. 732,886
2 Claims. (Cl. 22—134)



1. The method of making a sand mold and casting metal therein, comprising forming a cope section with a parting line along its bottom and an open top riser terminating at said parting line, forming a portion of a casting cavity in said section and a runner leading therefrom into the lower end of said riser and open at said parting line, ramming sand in a flask against a pattern plate to simultaneously form a drag section having a parting line, a runner extending along said drag parting line which is open throughout its length at such parting line and a solid baffle at the end of said last named runner which baffle is in the form of a wall curving from the botom of the runner and extending uninterruptedly substantially to the drag parting line, also forming at the same time by means of a portion on the pattern plate a casting cavity portion separated from said last named runner by said baffle, placing said cope and drag sections together with the parting lines thereof coincident so as to cause said baffle to form an inlet opening at the sprue side of the bottom of said riser of less horizontal cross-sectional area than the horizontal cross-sectional area of the bottom of the riser, and pouring molten metal into the mold to cause the metal to flow along from the runner in the drag section and to be entirely deflected upwardly by said baffle across the parting line into said riser and thence across the top of said baffle into the casting cavity.

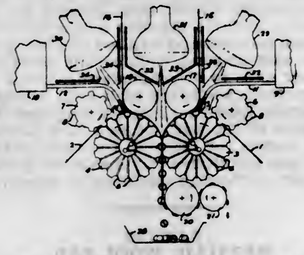
2,497,211
HEDGE TRIMMER
Vito Decarlo, New Rochelle, N. Y.
Application May 14, 1947, Serial No. 748,073
2 Claims. (Cl. 30—247)

1. A trimmer for elevated hedges comprising an elongated handle, inner and outer supporting members carried by said handle at one end, said outer supporting member having an offset portion, a pair of companion blades pivoted between said supporting members and including offset shank portions, the shank portions of said blades being notched to receive the offset portion of said outer supporting member during closing movement of said blades, and means for operating said blades, said means including a flexible bar, spaced guides on said handle slidably receiving the bar, a crank handle journaled for rotation on said elongated handle, a link journaled on said crank handle and secured to one end of said



bar, and links connecting the other end of said bar to the shank portions of said blades.

2,497,212
METHOD OF MANUFACTURING CAPSULES
Alfonso M. Donofrio, Toledo, Ohio
Application October 31, 1945, Serial No. 625,752
11 Claims. (Cl. 18—56)

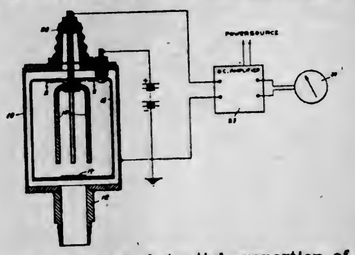


8. A method of manufacturing a multi-compartment medicinal capsule that comprises forming a substantially hemispherical pocket in a sheet of edible gelatin, filling the pocket with a substance to be encapsulated, closing the filled pocket with a second sheet of edible gelatin, forming a substantially hemispherical pocket in a third sheet of edible gelatin, filling the second pocket with a substance to be encapsulated, placing the open side of the second pocket on the side of the second sheet opposite from the first filled pocket and sealing the gelatin sheets around the margins of the two pockets.

2,497,213
PRESSURE GAUGE
James R. O. Downing, Boston, Mass., assignor to National Research Corporation, Boston, Mass., a corporation of Massachusetts
Application May 22, 1945, Serial No. 595,154
12 Claims. (Cl. 175—183)

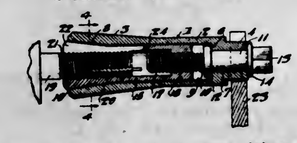
1. A gas pressure gauge operable at pressures above atmospheric pressure without damage thereto and comprising an ionization-chamber-defining casing, means for maintaining said casing at a predetermined potential, an ion collector within the ionization chamber defined by said casing, means for maintaining said ion collector at a potential different than said casing, a radio-

active material whose rate of emission of ionizing agents is substantially constant and substantially independent of temperature and electric field therearound, said radioactive material being positioned to radiate ionizing agents along prede-



termined paths, a substantial proportion of said paths extending beyond said collector to said casing, means for amplifying current created by ions collected at said collector, and means for indicating the magnitude of said amplified current and thus the gas pressure within said casing.

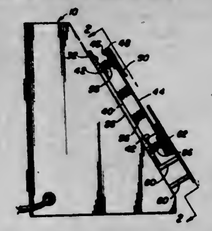
2,497,214
STUD EXTRACTOR TOOL
William F. Dreyer, Miami, Fla.
Application March 18, 1946, Serial No. 655,271
2 Claims. (Cl. 81—53)



1. A stud extracting tool comprising an outer sleeve having an axial cylindrical bore extending thereinto from one end and enlarged to provide an outwardly flared smooth surfaced conical opening at said end, said outer sleeve having a bearing opening extending axially through its opposite end, a tightening screw swiveled within the bearing opening against endwise movement with its threaded end extending into the bore and with a manipulating portion extending beyond the end of the outer sleeve, and a substantially cylindrical smooth surfaced collet slidably and rotatably insertable within the bore of the outer sleeve provided with a threaded opening to receive the threaded end of the tightening bolt and having an internal bore threaded to receive the threaded end of a stud, said collet having a smooth surfaced outwardly flared external portion and being longitudinally split at the internally threaded flared end, and said collet being freely rotatable as initially inserted within the bore and being locked against rotation solely by binding of its tapered outer wall against the tapered inner wall of the sleeve as the collet is drawn thereinto by the tightening screw.

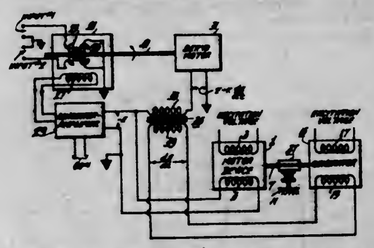
2,497,215
PHOTOGRAPHIC RETOUCHING STAND
Charles Z. Good and Beulah L. Good, Los Angeles, Calif.
Application March 15, 1948, Serial No. 14,876
1 Claim. (Cl. 95—102)

A retouching device for photographic negatives comprising a base plate having an annular recessed portion, an inner ring member mounted in said recessed portion for rotation, a plurality of retaining arms carried by said base plate and overlying said inner ring member, an outer ring member, and a plurality of circumferentially spaced coil spring members interposed between



said inner and outer ring members and having their end portions fixed to said ring members, said ring members being rotatable relative to said base plate.

2,497,216
SERVO SYSTEM DERIVATIVE GENERATOR
Maurice Leighton Greenough, Groveland, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1945, Serial No. 619,241
5 Claims. (Cl. 318—28)



2. An electro-mechanical device for generating a voltage to be applied to a servo-control system having a work load and which voltage is proportional in magnitude to the first derivative of an input voltage comprising an electric motor and a generator each having fixed and rotor windings, said rotor windings being coupled to a common shaft, a brake distinct from said servo-control system work load and coupled to said shaft, means for exciting one of said windings of both said motor and said generator, means for applying said input voltage to the remaining winding of said motor to provide rotational torque of said shaft against the retarding torque of said brake as a function of the magnitude of said input voltage, and means for deriving an output voltage proportional in magnitude to the angular velocity of said shaft from the remaining winding of said generator.

2,497,217
HOLDER FOR ROTARY TOOLS WITH CENTER HOLES OF DIFFERENT SIZES
Walter J. T. Hall, Benton Harbor, Mich.
Application March 8, 1947, Serial No. 733,886
4 Claims. (Cl. 51—168)

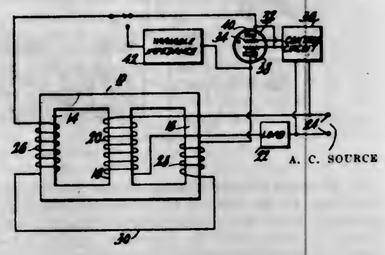
1. A tool holder of the class described, comprising a spindle having at one end thereof and integral therewith, a two place mounting for optional attachment thereto of disk type tools with large or small center holes, said two place mounting comprising a stepped face plate having

a threaded stem of the small center hole size projecting centrally from the stepped side of the face plate at the opposite side thereof from and in axial alignment with the spindle, said face plate having a projecting portion thereof forming an annular step of the large center hole size and having the threaded stem projecting therebeyond at the center thereof, a clamping plate of a



thickness at least as great as the width of said annular step and having a center hole which fits on the annular step, another clamping plate of a diameter greater than that of the annular step and having a center hole which fits on the threaded stem, and threaded means on said threaded stem and by which said clamping plates are secured respectively on the annular shoulder and on the threaded stem.

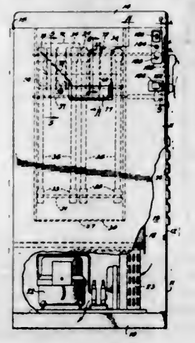
2,497,218
SATURABLE REACTOR SYSTEM
Stephen V. Hart, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 25, 1948, Serial No. 17,057
13 Claims. (Cl. 323—86)



1. Current regulating apparatus for regulating the alternating current through a load from a source of alternating current voltage, comprising a magnetic core structure having three magnetically parallel branches, a primary winding on one of said branches, said load, said primary winding, and said source being serially connected, secondary windings on the other of said branches, said secondary windings having unequal turns, and a rectifying device, said secondary windings and said rectifying device being serially connected in circuit with said windings in bucking relationship.

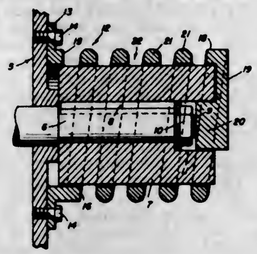
2,497,219
VENDING MACHINE
Joseph Haumann, Chicago, Ill., assignor, by mesne assignments, to Dresko Machine Corporation, Chicago, Ill., a corporation of Delaware
Application March 24, 1948, Serial No. 16,659
12 Claims. (Cl. 312—97)

1. A vending machine comprising, a storage compartment, a pair of spaced conveyor shafts journalled in the storage compartment, a continuous conveyor in the storage compartment carried by the shafts and provided with two rows of aligned article receiving pockets, offset discharge passages for the storage compartment associated respectively with the rows of pockets, offset ejectors in the storage compartment associated respectively with the rows of pockets, and



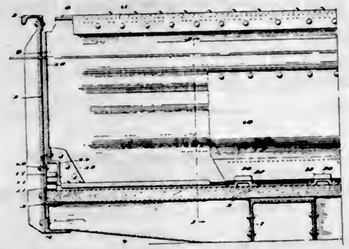
mechanism connected with said conveyor and ejectors for operating said offset ejectors and advancing said conveyor one-half the distance between said pockets for alternately ejecting articles from the two rows of pockets through the associated offset discharge passages.

2,497,220
SAFETY-TYPE CATHEAD CONSTRUCTION
Sidney T. Humberson, Casper, Wyo.
Application September 4, 1947, Serial No. 772,082
4 Claims. (Cl. 254—176)



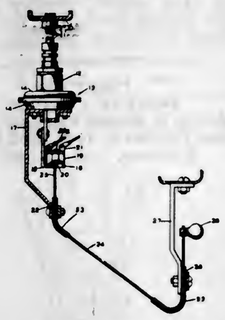
3. In a structure of the class described, a relatively stationary draw-work having a bearing, a jack shaft mounted for rotation in said bearing and projecting beyond said draw-work, a shoulderless cathead having an axial bore, said shaft projecting into said bore and terminating short of the outer end of the bore and providing a journal accommodating pocket, said cathead being keyed on said shaft for rotation therewith, a collar concentrically surrounding the inner end portion of said cathhead having a flange fixedly attached to said draw-work, a helical coil having a plurality of turns connected with and extending outwardly beyond said collar and surrounding and detached from the peripheral surface of said cathead, the outermost turn terminating in a shoulder radiating from the surface of the cathead and further including a sector-shaped plate, said plate being provided with an inturned journal and said journal projecting axially into said pocket.

2,497,221
DROP END GONDOLA CAR
Orville Ingram, Washington, D. C.
Application February 28, 1946, Serial No. 650,894
10 Claims. (Cl. 105—406)



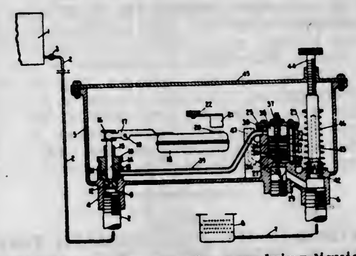
10. In a railway gondola car having upright side walls, the combination with a hinged drop end door adapted to be disposed in an upright position adjacent one end of the car to close the space between the side walls, said door having a plurality of transverse corrugations, of a plate spring secured to one of said corrugations above the lowermost corrugation, and an abutment secured to the car floor engageable with the lower end of the spring for deflecting it as the door is moved toward open position, said lowermost corrugation in the door affording a fulcrum on which the spring is deflected when the door is moved toward open position and the upper surface of said abutment being curved to gradually increase the deflection of the spring as the door approaches open position.

2,497,222
AUTOMATIC SWITCH FOR STARTING-MOTORS ON AUTOMOBILES
Louis Frank Jezek, Temple, Tex.
Application August 13, 1947, Serial No. 768,424
2 Claims. (Cl. 200—83)



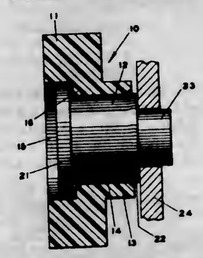
1. Automatic starting mechanism for an internal combustion engine having an intake manifold and an electric starting motor, comprising a vacuum cell, having a partitioning diaphragm a tubular connection between one side of said cell and the intake manifold whereby reduction of pressure in the manifold will effect the movement of the diaphragm in one direction, a stem connected with the opposite side of the diaphragm from the tubular connection and extending outwardly from said cell, a circuit closing switch including a housing, a pair of terminals carried thereby, a spring pressed element in the housing and a bridging contact carried by said element which, upon movement of the element in one direction electrically connects said terminals, said switch being mounted upon and carried entirely by said stem, and a reciprocable switch closing closing member supported for movement toward and away from said spring pressed element and adapted when moved in one direction to engage the spring pressed element and move the same to switch closing position, the movement of the diaphragm under the effect of the vacuum in the manifold effecting the shifting of the entire switch unit and movement of the spring pressed element away from the reciprocable member permitting opening of the switch.

2,497,223
ORIFICE CLEANING MEANS
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application August 4, 1945, Serial No. 608,894
9 Claims. (Cl. 137—68)



9. Fuel feeding means for supplying liquid fuel to a fuel burner, comprising a liquid fuel chamber, a valve controlling admission of fuel to said chamber, said chamber having an outlet orifice, a cylinder communicable with said chamber and with said orifice, a movable piston in said cylinder, a conduit for conveying fuel under pressure from the outlet of said valve to said cylinder to actuate said piston, means to intermittently open said valve, and means cooperable with said piston and operable to clean said orifice.

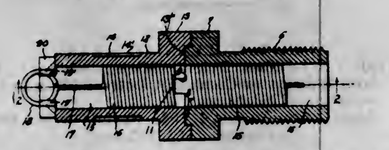
2,497,224
PLASTIC ROLLER
George R. Laure, Kalamazoo, Mich.
Application January 11, 1949, Serial No. 70,301
7 Claims. (Cl. 308—15)



6. In a roller, the combination comprising: a cylindrical body part comprising a synthetic resin impregnated with a dry lubricant and having a central opening therethrough; a shaft extending through said opening; radially extending means on said shaft positively preventing movement of said shaft with respect to said body part in one

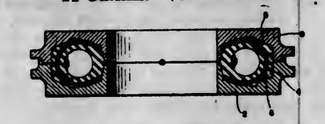
direction; a circumferential, radially extending, ridge spaced from said flange and being slightly larger in diameter than said opening, said ridge being urgable through said opening without injuring said wheel and cooperable with said flange for retaining said wheel on said shaft; and supporting means associated with one end of said shaft.

2,497,225
SMOKING PIPE STEM JOINT
Oliver M. Lerch, Gifford, Pa.
Application October 14, 1944, Serial No. 558,664
3 Claims. (Cl. 131—225)



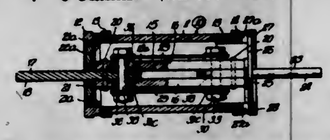
1. A connector between the bowl stem and mouth-piece stem of a pipe comprising longitudinally aligned male and female bushing members having interfitting engagement at one end, said bushing members having a bore extending therethrough, an expansible coil spring positioned in the bore, segmental extensions at the outer ends of the bore having grooves therein, and eyes extending longitudinally from the ends of said spring and releasably engageable in said grooves.

2,497,226
METHOD OF MAKING PNEUMATIC TIRES
George K. McNeill, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 11, 1949, Serial No. 75,900
11 Claims. (Cl. 154—14)



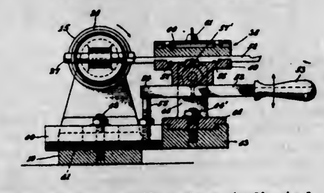
10. The method of manufacturing pneumatic tires comprising the steps, forming a carcass of plies of strain resisting elements into substantial tire shape, injecting in molds a pair of substantially transaxial rubber-like shells of an annulus, assembling the shells with the carcass, and vulcanizing the assembly.

2,497,227
FUSE
John S. Messer and David L. Davis, Chicago, Ill., assignors to Economy Fuse and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1946, Serial No. 713,358
6 Claims. (Cl. 200—131)



3. A fuse link holding member comprising a pair of struts disposed in parallel relationship with each other, electric terminals having portions thereof located between said struts at the extremities thereof, said terminals being secured to said struts, said struts and terminals having a pair of sets of coinciding holes therein and a pair of binding post means, each of said binding post means including a bolt located in one of said sets of holes, said binding post means also including studs encircling said bolts and located within said struts in electrical communication with said terminals and nut means for said bolts adapted to hold a pair of fuse links in electrical communication with said studs.

2,497,228
GROOVE SCRAPING DEVICE
Leon B. Miller, Brooklyn, N. Y.
Application June 21, 1946, Serial No. 678,269
2 Claims. (Cl. 15—104.01)



2. In a device of the class indicated, a tool holder including a longitudinally adjustable carriage, a tool rest comprising a bottom or tool supporting member and a top or tool clamping member, the bottom member being pivotally lodged between the ends of said carriage, means for urging the tool clamping member against the bottom member, the latter having longitudinally extending raised tool guides, piston groove scraping tools supported by the bottom member and being provided with guide recesses corresponding to and registering with the tool guides of the bottom member said guide recesses of the tools and the tool guides of the bottom member being adapted to retain the tools at substantially right angles to the tool rest, said tools being adjustable relative to said bottom member along its tool guides, and means for tilting the tool rest extending from the bottom member.

2,497,229
DENTAL FORCEP
Edward B. Moller, Falconer, N. Y.
Application October 9, 1947, Serial No. 778,890
9 Claims. (Cl. 32—62)



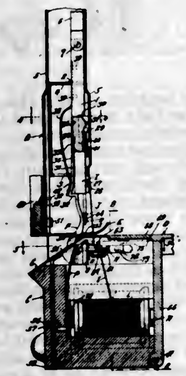
1. A dental forceps comprising a casing, a pair of handles separately and individually pivotally joined to said casing, a pair of process engaging beaks joined to said casing, a pair of pivotally connected tooth engaging beaks located between said process engaging beaks and movably carried by said casing, and means operable to move said tooth engaging beaks away from said process engaging beaks by movement of said handles toward each other.

2,497,230
STITCH AND METHOD OF STITCHING
Thomas E. Monroe, New York, N. Y., assignor of one-half to William R. Donaldson, Northport, N. Y., and one-fourth to William R. Donaldson, as trustee; William R. Donaldson administrator of said Thomas E. Monroe, deceased
Application February 2, 1943, Serial No. 474,450
14 Claims. (Cl. 112—262)



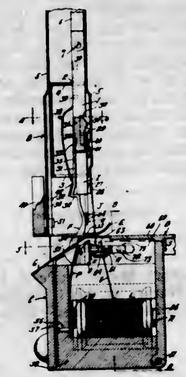
1. In a stitched structure the combination with a plurality of superposed plies of fabric, of a plurality of loops of thread extending through said plies of fabric at a succession of points spaced apart along the fabric at relatively short and longer distances, each said loop intermediate the end loops passing through the preceding loop and around the succeeding loop in said plurality of loops, said plurality of loops including short and long loops at said short and longer distances, respectively, arranged in a regularly recurring order, each said short loop having a length substantially equal to the thickness of said superposed plies of fabric and terminating between its and the next succeeding loop's points of passage through the superposed plies of fabric, and each said long loop next succeeding a said short loop extending from its point of passage through the superposed plies of fabric rearwardly along said outer face thereof through the said short loop and then about the thread thereof and forwardly along said outer face of the superposed plies of fabric and around the next succeeding loop in said plurality of loops.

2,497,231
SEWING MACHINE
Thomas E. Monroe, New York, N. Y., assignor of one-half to William R. Donaldson, Northport, N. Y., and one-fourth to William R. Donaldson, as trustee; William R. Donaldson administrator of said Thomas E. Monroe, deceased
Continuation of application Serial No. 373,976, January 10, 1941. This application October 20, 1944, Serial No. 559,579
15 Claims. (Cl. 112—98)



1. In a sewing machine, a fabric supporting table, means for advancing a fabric intermittently along said table, a reciprocable hooked needle, means for reciprocating said needle through the fabric to a point below said table during each dwell in the said intermittent movement, means for holding two sources of thread supply below said table, and means for positioning thread for engagement by said needle alternately from the said sources of supply, comprising a thread carrier positionable to place a thread from either of said sources of supply at the said point, and actuating means for the said thread carrier comprising a member adapted to be yieldably pressed against the lower side of the fabric in the path of movement of the said fabric advancing means.

2,497,232
METHOD OF STITCHING
Thomas E. Monroe, New York, N. Y., assignor of one-half to William R. Donaldson, Northport, N. Y., and one-fourth to William R. Donaldson, as trustee; William R. Donaldson administrator of said Thomas E. Monroe, deceased
Continuation of application Serial No. 322,867, March 8, 1940. This application October 20, 1944, Serial No. 559,580
9 Claims. (Cl. 112—262)

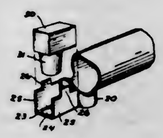


1. The method of stitching which comprises reciprocating a hooked needle through a fabric from the obverse to the reverse side, advancing the said fabric in substantially equal steps between reciprocations of said needle, positioning two threads on the reverse side of said fabric for alternate loop-forming engagement in the hook of the said needle, and subjecting said threads to different tensions, whereby the loops of the thread under greater tension are shortened and those under lesser tension are correspondingly elongated to respective lengths less and greater than that of the fabric advancing steps.

2,497,233
LIGHTER STRUCTURE FOR GAS BURNERS
Ervin H. Mueller, Grosse Pointe, Mich.
Application December 6, 1946, Serial No. 714,550
1 Claim. (Cl. 158—115)

In a lighter structure for igniting gas issuing from a gas burner having a charging port from a relatively remotely positioned pilot burner, a flash tube having an inlet opening at one end adapted to be disposed adjacent the gas burner and an outlet at the other end adapted to be disposed adjacent the pilot burner, the inlet end of said tube having a pair of spaced arms extending

outwardly beyond said inlet opening, a substantially flat cross member spaced outwardly beyond said inlet opening and connecting the outer end portions of said arms along corresponding longitudinal edges thereof, said cross member having an opening therein, said outer end portions of said arms forming substantially parallel wall portions which extend from opposite ends of said cross member at an angle of substantially 90° to the plane of the cross member, a tip member having a substantially rectangularly shaped body portion and an extension member projecting from one face thereof, said body portion seating on



said cross member and fitting snugly between said wall portions, said extension member extending through the opening in said cross member and being adapted for insertion into the charging port of the gas burner, said tip having an angular passage therethrough for directing gas from the charging port of the burner into the inlet opening of said flash tube, the longitudinal edges of said wall portions opposite the edges connected by said cross member having distortable winged parts extending therefrom, said wing parts being bent to overlie the face of said body portion opposite the face from which said extension projects.

2,497,234
TOW BAR
Salvatore Mylie, Eureka, Calif.
Application March 24, 1947, Serial No. 736,645
1 Claim. (Cl. 280—33.14)

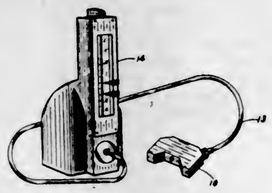


A tow bar of rigid form comprising two relatively long bar sections adjustably coupled together for longitudinal lengthening and shortening, a clamp unit coupled to each of the remote ends of the two bar sections, one of said clamp units being pivoted for free turning relative to the bar on a vertical axis and the other clamp unit being pivoted for free turning relative to the bar on a horizontal axis, that clamp unit which turns on the vertical axis comprising a longitudinally arcuate member, a long plate joined at one end to an end of the arcuate member to extending across the concave side thereof and a clamp screw threaded through the plate toward the arcuate member, the length of the arcuate member and plate being in the same direction as the pivot axis, and the other clamp comprising a longitudinally arcuate member, a long plate attached at one end to an end of the arcuate member and extending across the concave side thereof and a clamp screw threaded through the plate toward the arcuate member, the length of the arcuate member and plate of the said other clamp being transverse to the pivot axis thereof.

2,497,235
pH-RESPONSIVE GLASS ELECTRODES
George A. Perley, Wyncote, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 12, 1947, Serial No. 791,461
6 Claims. (Cl. 204—195)

1. A pH-responsive glass electrode including a conductive membrane of glass whose composition is represented by a three-component prefusion mixture free of the alkaline earth metals, the first component consisting of about 69 mol per cent to about 63 mol per cent silica, a second component consisting of about 26 mol per cent to about 30 mol per cent lithia, and the balance a third component consisting essentially of at least an oxide selected from a first group consisting of TiO_2, MnO_2, Mn_2O_3 and the rare earth metal oxides including La_2O_3 and Pr_2O_3, and of at least one added alkali metal oxide selected from a second group consisting of the following: Cs_2O, Rb_2O, K_2O and Na_2O, the sum of the mol per cent of at least one of said oxides of said first group and at least one of said alkali metal oxides of said second group being not less than about 3 nor more than about 10, the permissible mol per cent of the oxides from said first group ranging from 2 to about 5, there being present in each mixture including Na_2O a greater mol per cent of at least one of the alkali metal oxides Cs_2O and Rb_2O than the mol per cent of Na_2O, and there being present in each mixture including K_2O a mol per cent of at least one of said alkali metal oxides Cs_2O and Rb_2O of not less than about two-thirds that of the K_2O, the mol per cent of alkali metal oxide ranging from 0 to about 5.

2,497,236
SIZE GAUGING DEVICE
Louis F. Polk, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application June 8, 1944, Serial No. 539,273
1 Claim. (Cl. 73—37.5)



A gauging member of the character described adapted to be held in the hand of the user and having a flexible connection to a fluid supplying and measuring instrument and in which the various parts of said member are rigidly interconnected to one another so that the member as an entirety is devoid of moving parts, said member comprising a block having a body portion and a pair of opposed work engaging arms rigid therewith and extending therefrom in diverging relationship, the body portion of the block and the arms being of substantially uniform width in the direction of the work axis, said arms being provided, on their adjacent sides, with flat finished work engaging surfaces adapted to contact along lines parallel to the workpiece axis with circumferentially spaced portions of a cylindrical workpiece and definitely locate the cylindrical surface of the workpiece with respect to the block, said

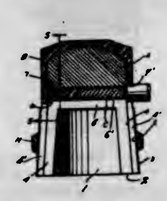
block having a fluid passage and the body portion of the block having a nozzle elongated in the direction of the work axis and of very restricted size in a plane transverse of said work axis and arranged between said work engaging surfaces and in communication with said passage, said nozzle having a freely exposed end loacted in fixed position slightly spaced from the located cylindrical surface of a workpiece of any diameter in the size range for which the body portion is adapted so that fluid flow from the gauging end of said nozzle is directly against the workpiece.

2,497,237
PRACTICE TYPE GOLF CLUB
William Reineking, Melbourne, Fla.
Application March 22, 1948, Serial No. 16,232
3 Claims. (Cl. 273—80)



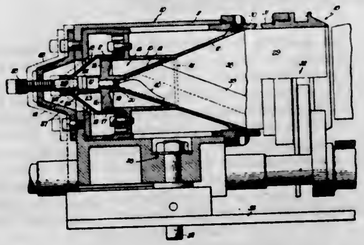
1. A training-type back stroke perfecting putter of conventional style and proportions comprising a shaft embodying an upper section provided on its upper end with a handle and a complemental lower section provided on its lower end with a ball striking head, said upper section having its lower end portion bifurcated and defining spaced parallel furcations and an intervening crotch, the tip ends of said furcations being beveled to provide oblique abutments, a cross-web rigidly connecting said furcations on their rear sides and providing a lug stop shoulder, said lower section having a central lug on its upper end located between said furcations and having beveled abutments at the lower end portion of said lug corresponding to and bearing firmly against said first named abutments, the rear edge portion of said lug being rigidly contactable with said stop shoulder when the sections are in axial alignment, said head being at right angles to said furcations and lug, a hinge pin piercing and joining said furcations and lug, said hinge pin being at right angles to the longitudinal axis of the shaft sections and substantially parallel to the ball lofting surface of said head, the upper end portion of said lug being provided with a centrally disposed notch constituting a keeper seat, and a manually regulable projectable and retractable spring pressed detent mounted in said upper handle equipped section and projecting into the crotch and releasably engageable with said keeper seat, said detent serving to mechanically latch said abutments in contact with each other and to normally hold said lug against said stop shoulder and, in addition, serving to permit the lug to free itself from the spring-held detent, whereby to disconnect and render said sections inoperative until same are reset by hand.

2,497,238
BATTERY TERMINAL
Herbert E. Rutherford, Little Falls, N. J., assignor to International Engineering Associates, Paterson, N. J., a corporation of New Jersey
Application December 26, 1945, Serial No. 637,171
3 Claims. (Cl. 173—259)



1. A battery terminal comprising a shell open at one end and fitting over a battery post, the open end portion of the shell being outwardly flared, said flared portion having slots extending therealong to permit said portion to be contracted, a member surrounding said flared portion and movable therealong to contract said portion, the shell at the inner ends of the slots being provided with a transverse bore communicating with said slots, one end of the bore being closed, said bore being adapted to receive from its other end an extremity of a current conducting cable, the bore at the closed outer end being of gradually increasing diameter for a portion of its length, and means for expanding the end of the cable entering the said portion of the bore from the said open end thereof.

2,497,239
CUP-MAKING MACHINE
Frederick Ruza, Chicago, Ill., assignor, by mesne assignments, to Paper Container Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 22, 1944, Serial No. 527,609
3 Claims. (Cl. 93—36.2)



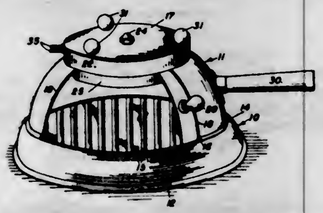
1. In a conical cup-making machine provided with means for winding a blank into cup form on a conical mandrel, the improvement comprising the combination of a die carriage having a body pressing die to press together an adhesively treated overlap of said cup, and means, resiliently mounted in said carriage and yieldable with respect to said die, to press together convolutely wound adhesively treated layers at the apex of said cup, said means including a bottom setting mechanism to set the bottom of said cup after said overlap and convolutely wound layers have been pressed together.

2,497,240
CART
Brice W. Sherer, Kismet, Kans.
Application October 20, 1947, Serial No. 780,939
1 Claim. (Cl. 280—51)



A cart for laundry baskets comprising a pair of substantially upright frame members, a basket supporting ring secured to and between the upper ends of said frame members, an axle housing secured to and between the lower ends of said frame members, an axle in said axle housing and ground contacting wheels on the ends of said axle, an L-shaped member having its lower end secured to said axle housing and an upper portion thereof secured to said ring, said frame members coacting with said L-shaped members and said ring to support a basket, a rest rigidly secured to the heel of said L-shaped member to contact the floor or ground when the ring is substantially horizontal.

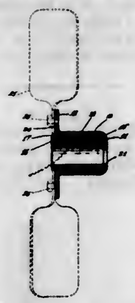
2,497,241
ELECTRIC BROILER
Robert Spigel, Lynn, Mass.
Application June 6, 1947, Serial No. 753,022
7 Claims. (Cl. 219—35)



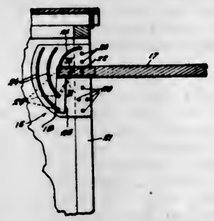
7. An electric broiler comprising a bottom section having a grate mounted within and below the top of the same, and a cover-like top section seated on the top of said bottom section and having an electric heating element mounted within the top thereof, said top section being provided with supporting feet and being removable from said bottom section for use as a stove when inverted, said top section including a main part having a handle and provided at one side with a relatively large opening adapted to permit turning of food in the broiler or to admit a frying pan or like utensils therethrough without lifting said top section, and a door movable to open and close said opening and carried by said main part.

2,497,242
FLANGED HUB
Verner E. Sprouse, Columbus, Ind.
Application August 19, 1946, Serial No. 691,603
4 Claims. (Cl. 170—173)

1. In combination, a rotatable element having an axial bore and an end face perpendicular to the axis of said bore; a hub for supporting said rotatable element, said hub comprising a sheet-metal stamping having a generally cylindrical, hollow body portion, an annular flange extending radially outwardly at one end of said body portion, a second annular flange extending radially inwardly at the other end of said body portion; a bushing secured within said body portion, one end of said bushing abutting said inwardly extending flange and the opposite bushing-end projecting axially beyond the outwardly extending flange, a face on the projecting portion of said bushing coplanar with the outer face of said outwardly extending flange, and a reduced diameter end on said projecting portion of said bushing, said reduced diameter end fitting within the bore of said rotatable element with the said flange face engaging said end face of the rotatable element.



2,497,243
DOOR GUIDING MEANS
Harry J. Turner, Detroit, Mich.
Application June 7, 1946, Serial No. 675,273
3 Claims. (Cl. 16—166)



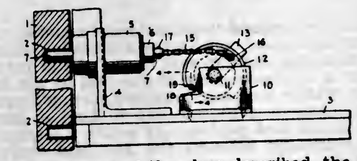
1. In door guiding means the combination comprising a plate secured to a door frame, a bracket mounted on a door, a pivot pin and a plurality of arcuate tracks on said plate, said tracks being concentrically disposed with respect to said pin, said pin engaging said bracket, a plurality of rollers on said bracket, each of said rollers engaging one of said tracks, and resilient means for controlling the movement of said door.

2,497,244
STRIKING DEVICE
Henry K. Ullman, Washington, D. C.
Application January 28, 1947, Serial No. 724,732
5 Claims. (Cl. 272—129)

5. An amusement device comprising a body portion, means mounting said body portion for rotation about an axis, a limb portion attached to said body portion for free pivotal movement with respect thereto about an axis parallel but eccentric to the first-mentioned axis, said limb portion having a free end extending beyond the arc described by any part of the body portion in its rotation and a table to which said mounting means is attached.



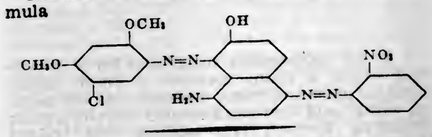
2,497,245
SAFETY LOCK FOR GRAIN ELEVATOR MAN LIFTS
Fred E. Vance, Sublette, Kans.
Application April 13, 1949, Serial No. 87,304
2 Claims. (Cl. 187—92)



1. In a device of the class described, the combination with a platform, of a pair of angle brackets mounted on said platform, a primary bolt extending through said angle brackets, a flanged wheel fixed to said primary bolt, said flanged wheel having one of its flanges partly cut away, a stop bolt on one of said brackets, said stop bolt extending into said cut-away part of said flanged wheel, said stop bolt provided with a lock nut engaging the inner face of the angle bracket, a foot pedal fixedly secured to said primary bolt, a cylinder and means mounting said cylinder on said platform, a sliding bolt on said cylinder and means connecting said sliding bolt to said flanged wheel.

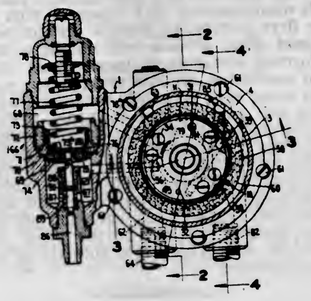
2,497,246
AZO DYES
William Henry von Glahn, Loudenville, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 2, 1946, Serial No. 659,161
1 Claim. (Cl. 260—186)

The azo dye compound represented by the formula



2,497,247
PUMP AND PRESSURE-REGULATING UNIT
Adolf von Wangenheim, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application November 19, 1942, Serial No. 466,116. Divided and this application March 16, 1944, Serial No. 526,751
4 Claims. (Cl. 103—42)

1. An apparatus of the character described, comprising a housing member having an end wall and a side wall enclosing a fluid inlet chamber, a fluid inlet to said chamber and a fluid outlet through said end wall, said housing member having a hollow extension from said end wall and a bore through said end wall intercommunicating said extension and said chamber, a closed pump casing unit in said chamber spaced laterally from said side wall and seating on said end wall, said casing unit having a tubular shaft supporting extension projecting through said bore and spaced for at least a portion of its length from the wall of said hollow extension, a drive shaft extending from and through said tubular extension, means sealing said shaft to said hollow extension, an end wall of said pump casing



unit closing off communication between said chamber and said hollow extension, said pump casing unit having an inlet opening into said chamber, said pump casing unit end wall having an outlet registering with and sealed to said chamber end wall outlet, pressure regulating means having a pressure chamber with a valve controlled outlet and a valve controlled by-pass, said pressure chamber communicating with said housing member chamber outlet, a conduit leading from said valve controlled by-pass and opening into the space around said shaft supporting extension, and a by-pass conduit communicating with said space and communicable with said fluid inlet chamber and with a point exterior of said housing member.

2,497,248
PROCESS OF DEALKYLATING ALKOXY AROMATIC AMINES
Curt G. Vogt, Union, N. J., and Franz Marschall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 1, 1946, Serial No. 707,328
7 Claims. (Cl. 260—575)

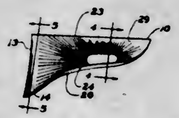
1. In a process of dealkylating an alkoxy aromatic amine by heating the amine in the presence of a inert liquid diluent with a compound selected from the group consisting of aluminum chloride and aluminum bromide at elevated temperatures, the improvement which comprises conducting the reaction by employing in place of the free alkoxy aromatic amine the salt thereof with a mineral acid selected from the group consisting of the halogen acids, sulfuric acid and phosphoric acid said temperature being in the range 70° C. to the boiling point of the diluent or the decomposition point of the amine, whichever is lower.

2,497,249
PEN
David C. Weston, Descanso, Calif.
Substituted for application Serial No. 549,416, August 14, 1944. This application April 7, 1947, Serial No. 739,741
1 Claim. (Cl. 120—115)



A pen consisting of a one piece member having a central arcuate portion having one arcuate end formed for insertion in a conventional pen holder and its other arcuate end enlarged with respect to the first portion to provide an ink reservoir bowl, said other arcuate end having a nib portion formed along each longitudinal marginal edge of said other arcuate end portion, each nib portion being bent arcuately back over said other arcuate end portion and inwardly toward the other nib portion to terminate in a spaced relation thereto to provide a relatively narrow ink feed slot extending to a common writing point at the ends of said nib portions to conduct ink from between the other arcuate end and the superimposed nib portions, each nib portion extending beyond the end of the other arcuate end portion with which it is integral to a writing pen point end.

2,497,250
ARTICLE OF FOOTWEAR AND SUPPORTING MEMBER
Hyman L. Whitman, East Bridgewater, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 29, 1948, Serial No. 4,955
12 Claims. (Cl. 36—71)



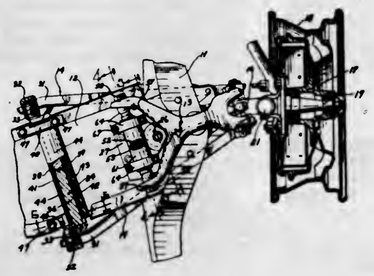
1. A sole having a raised supporting portion on the upper face thereof extending rearwardly from the metatarsal region, said portion being of maximum height adjacent the inner edge of the sole below the area of the oscalcis, scaphoid and astragalus and of from ⅓ to ⅔ said maximum height in the region of the first metatarsal, said portion slanting from the raised inner edge to converge with the normal sole face along a line extending from the region of the fifth metatarsal to the rear edge of the sole whereby a foot positioned on said sole is rotated diagonally outwardly and forwardly from said area of the oscalcis, scaphoid and astragulus to the region of the fifth metatarsal.

2,497,251
INSULATOR
Howard O. Wolf, Grand Junction, Colo.
Application July 22, 1947, Serial No. 762,677
2 Claims. (Cl. 174—151)

1. An insulator for high voltage lines of electric signs, comprising a three piece body consisting of a cap member, a body member and an intermediate bushing member, an axial bolt securing said members together, said body member having an encircling collar portion with a concave under face, said face being defined by a sharp peripheral edge, a shank portion extending downwardly from said concave surface, a thread encircling the shank portion adjacent to said face for securing the insulator in a sign plate, and an upwardly directed neck portion on the upper side of said collar portion adapted to carry said bushing member around it and said cap member over its end, said axial bolt having a threaded bottom end, clamping nuts on said threaded end for securing a conductor wire at the end of the said shank portion, and said axial bolt having threaded engagement with said cap to hold it firmly against said neck portion and secure a conductor wire extending between the cap and bushing members.

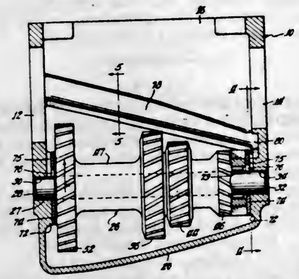


2,497,252
DAMPENER
George E. Adams, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 22, 1947, Serial No. 793,106
10 Claims. (Cl. 267—20)



1. In an independent suspension for a vehicle road wheel, a frame member, a sleeve rigidly mounted upon said frame member, a rubber bushing within said sleeve and bonded thereto, a shaft extending through said bushing and bonded thereto, said shaft having end portions extending beyond the opposite ends of said bushing and provided with radially offset crank arms, a wishbone link pivotally mounted upon the offset crank arms, and a wheel supporting member connected to said link, said link being swingable about said offset crank arms to accommodate rising and falling movement of said road wheel, and said shaft being rotatable in response to forces imposed upon said crank arms to place a torsional load upon said bushing.

2,497,253
LUBRICATING MEANS FOR TRANSMISSIONS
Kenneth M. Armantrout, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 26, 1946, Serial No. 679,441
8 Claims. (Cl. 184—11)



1. In a transmission mechanism, the combination with a casing having a fluid-lubricant chamber therein, of a gear cluster in said chamber and rotating on bearing members at each end of the cluster, said cluster including helical gears decreasing in diameter from one end of the cluster to the other and adapted to exert thrust on one of the bearing members adjacent said second-named end of the cluster, and a lubricant-conveying conduit on a side wall of said casing and inclined downwardly from said first-named end of said cluster to said second-named end and adapted to collect the lubricant splashed by the rotation of said gears and to deliver the lubricant to the bearing members at said second-named end of the gear cluster.

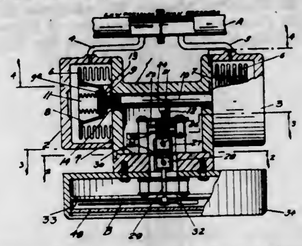
2,497,254
ATTACHABLE FULCRUM FOR DENTAL FORCEPS
Warner Morel Brantley, Birmingham, Ala.
Application September 29, 1947, Serial No. 776,755
1 Claim. (Cl. 32—62)



An attachable fulcrum assembly for use on dental forceps of the class described comprising; a main bracket having two upturned ends, a set screw in one upturned end, a portion of the bracket formed as a loop, a set screw in said loop portion, a base portion of the bracket with a slot therein, a smaller supporting bracket slidably mounted on the base portion of the main bracket, a fulcrum member removably attached to the smaller slidable bracket; an extension depending from and integral with the main bracket, a comparatively long adjusting screw mounted through the depending extension and the slidable smaller bracket, a jam nut mounted on said adjusting screw, a head on said screw for manual operation thereof.

2,497,255
DIFFERENTIAL PRESSURE INDICATOR
David P. Brown, Los Angeles, Calif.
Application February 25, 1946, Serial No. 650,071
4 Claims. (Cl. 73—407)

1. A pressure indicating device comprising, a casing, a stem extending through said casing and freely extending through the walls thereof, bellows seated on the outer surfaces of the casing walls in axial alignment with said stem, members closing the ends of said bellows and secured to the ends of said stem, the space within said casing and the said bellows being filled with a liquid, a stud laterally projecting from said stem, a mechanism seated for rotation within said casing and actuated by said stud in response to axial



movement of said stem to translate a short movement of the stud into an extended rotation of said mechanism, a permanent magnet on and rotatable with said mechanism, an indicator mounted on said casing, said indicator having a spindle in axial alignment with said permanent magnet, a similar magnet on said spindle adjacent the casing wall, a graduated dial, and a pointer on said spindle adjacent said dial.

2,497,256
SCREW HOLDER
Andrew H. Carlson, Worcester, Mass., assignor to Parker Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application June 7, 1945, Serial No. 598,107
2 Claims. (Cl. 145—52)



2. A screw holder for a screw driver having an abutment on its shank adjacent its end comprising a first member constituted by a single piece of sheel metal providing a perforated central portion to encircle the shank of the screw driver rearward of the abutment and to engage the abutment, said member having oppositely positioned arms inclined rearwardly and inwardly, and a second member constituted by a single piece of sheet metal providing a central perforated portion to encircle and slide on the shank and oppositely positioned arms forming longitudinally extending flat springs, the ends of which ride on the arms of the first member and also other arms extending from said central

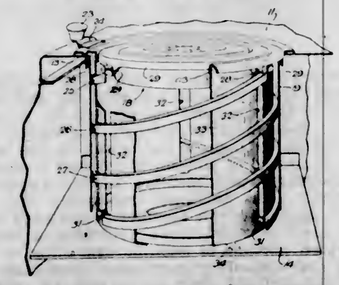
portion at locations between the said second mentioned oppositely positioned arms and extending forwardly past the first member and terminally provided with jaws for engaging the sides of a screw head.

2,497,257
TENSIONED FUSE CONSTRUCTION
Harold M. Chase, Chicago, Ill., assignor to S & C Electric Company, a corporation of Delaware
Application March 2, 1946, Serial No. 651,559
15 Claims. (Cl. 200—117)



1. In a fuse device, in combination, a fuse tube, a conductor in said fuse tube including a fusible section and a flexible section, means for anchoring said conductor at one end of said fuse tube, a rotatable drum at the other end of said fuse tube over which said flexible section is trained and to which it is secured, means mounting said drum for movement bodily endwise of said fuse tube, means biasing said drum for said endwise movement to tension said conductor and restrained as long as said fusible section remains intact, and means operatively interconnecting said drum and said fuse tube for causing said drum to rotate as a result of said endwise movement on blowing of said fusible section to wind said flexible section thereon to an extent greater than twice the bodily endwise movement of said drum.

2,497,258
DEEP WELL COOKER
Cecil E. Chesser, Hebron, and Truman H. Cline, Newark, Ohio, assignors to Newark Stove Company, Newark, Ohio, a corporation of Ohio
Application August 20, 1945, Serial No. 611,526
8 Claims. (Cl. 219—35)

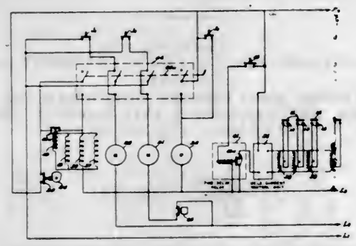


1. In a deep well cooking apparatus, a pair of spaced horizontal panels, an outer cylindrical element extending between said panels and provided with an operating handle for manual rotation thereof, a series of equally spaced helical track elements secured upon the inner wall surface of said cylindrical element, a heating unit having radially extending support means for engaging said track elements, and a device for confining said heating unit to longitudinally adjustable movement in accordance with the disposition of said helical track elements.

2,497,259
MANUFACTURE OF SOLUTIONS OF POLYMERIZED STYRENE COMPOUNDS
Jacques Paul Camille Elie Corbiere, Lyon, France, assignor to Societe "Rhodiaceta," Paris, France, a company of France
No Drawing. Application March 7, 1946, Serial No. 652,820. In France April 29, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 29, 1962
2 Claims. (Cl. 260—30.8)

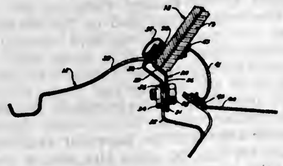
2. Solutions of acetone insoluble polymers prepared from styrene in a mixture of at least 30% and not more than 70% of carbon disulphide with acetone and containing 10 to 60 parts of said polymers per 100 parts of solution.

2,497,260
ELECTRICAL CONTROL FOR FENCE WELDING MACHINES
Harry E. Griesemer, Bloomington, Ill., assignor to Northwestern Steel and Wire Company, Sterling, Ill., a corporation of Illinois
Application July 8, 1948, Serial No. 37,644
6 Claims. (Cl. 219—4)



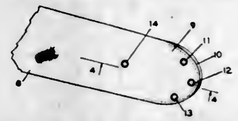
1. Electrical control for a fence welding machine having motor means for feeding cross and line wires to a welding position, solenoid controlled, relatively movable electrodes, and welding current timing mechanism controlling the duration of current flow through said electrodes, comprising, in combination, manually controlled means for energizing said feed motor means, a cam driven in timed relation with said feed motor means, a first switch cyclically opened and closed by said cam, first relay means responsive to operation of said first switch for actuating said electrode control solenoids to move said electrodes together to contact the wire, a second switch actuated by said movement of said electrodes to wire engaging position, and second relay means responsive to operation of said second switch for energizing said welding current timing means, whereby successive cross wires are applied to the line wires, squeezed between said electrodes and a controlled welding current applied thereto.

2,497,261
VEHICLE BODY CONSTRUCTION
Harold A. Hicks, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 21, 1946, Serial No. 717,633
2 Claims. (Cl. 296—84)



1. In a vehicle body construction, in combination, a cowl panel, a roof panel spaced above said cowl panel, a glass windshield extending between said cowl and said roof panels, and a single metal frame connecting said windshield to said cowl panel and to said roof panel, said metal frame being generally Z-shaped in cross section, the inner flange of said Z-frame being cemented to the marginal portions of the exterior surface of said windshield, the outer marginal flange of said Z-frame being connected to the cowl and roof panels of said body, and the intermediate leg of said Z-frame being cemented to the edges of the glass windshield.

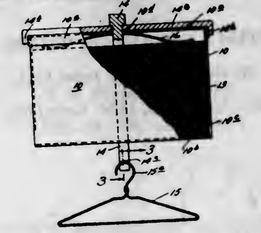
2,497,262
GARMENT SLEEVE CUFF
Ilamae W. Jacobson, St. Louis Park, Minn.
Original application August 7, 1947, Serial No. 766,979, now Patent No. 2,469,556, dated May 10, 1949. Divided and this application November 19, 1947, Serial No. 786,907
2 Claims. (Cl. 2—270)



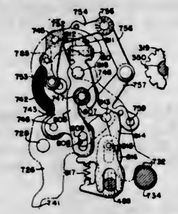
2. A cuff for a garment sleeve, comprising a pair of opposed retractable flaps disposed longitudinally of the sleeve and integrally formed therewith, said flaps being adapted to be folded back inside the lower portion of said sleeve, a plurality of closure snap fasteners mounted in fixed relation in the outer marginal end portions of said flaps and including cooperating pairs of closure fastener elements respectively mounted in opposed relation in said flaps, and a pair of snap fastener elements respectively mounted on the inside of said sleeve in upwardly spaced relation from said flaps and adapted to respectively cooperate with a pair of said flap closure elements to securely hold said flaps in retracted position inside said sleeve.

2,497,263
GARMENT BAG MAGAZINE DISPENSER WITH GARMENT SUPPORT SUSPENDED UNDERNEATH
Arthur C. Johnston, Minneapolis, Minn.
Original application December 4, 1944, Serial No. 566,626. Divided and this application December 4, 1947, Serial No. 789,687
3 Claims. (Cl. 226—18)

1. A garment bagging apparatus comprising in combination a bag dispensing container substantially rectangular in horizontal section having an open end and a plurality of bags having their skirt portions folded in accordion pleated form and stacked therein in collapsed and longitudinally extensible condition with their open ends directed toward the open end of the container, said container having bag fold engaging means adjacent its dispensing end arranged to support the lowermost folded portion of the lowermost bag of the stack, a bar supported centrally by said container, one end of said bar extending beyond the dispensing end of said container and having means therein for removably receiving the supporting portion of a garment hanger, whereby the lowermost folded bag of the stack of bags may be drawn downwardly from said fold engaging means and gradually extended thereby over a garment on said hanger, said bar having means secured thereto and extending to and engaging opposite sides of said container for holding said bar in position.



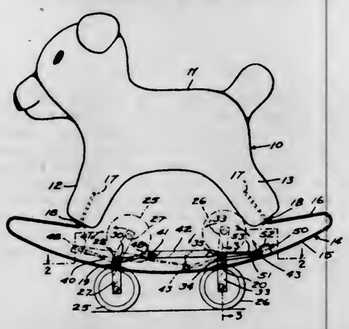
2,497,264
RECORD MATERIAL EQUIPMENT FOR CASH REGISTERS
Joseph J. Klosterman, deceased, late of Dayton, Ohio, by Mary Klosterman, executrix, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application February 10, 1942, Serial No. 430,214. Divided and this application March 15, 1946, Serial No. 654,645
16 Claims. (Cl. 197—133)



2. In a machine of the character described, adapted to print records on record material, and having type carriers, the combination of means to press the record material against the type carriers; a record material supply roll; a record material receiving roll; means to advance the receiving roll to line-space the record material; means to guide the record material from the supply roll, between the pressing means and the type carriers, and onto the receiving roll; a common pivoted support for the pressing means, the supply roll, the receiving roll, the receiving roll advancing means, and the guide means; means to rock said common pivoted support and all the parts carried thereby, including the pressing means, as a unit from a normal position to a

working position and return, to move the record material from a reading position to a printing position and return; and a movable framework for detachably supporting said rockable framework and the parts carried thereby as a unit, in the machine, so that the complete record material mechanism may be readily installed in or removed from said machine as a unit, without disturbing other mechanism on the machine.

2,497,265
CONVERTIBLE ROCKER OR WHEEL BORNE TOY
Maxwell Leit and Jules Leit, Rockaway Beach, N. Y.
Application August 29, 1946, Serial No. 693,736
11 Claims. (Cl. 46—106)



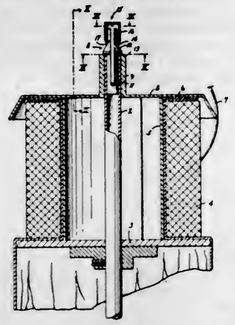
1. A toy comprising a supporting rocker, a pair of parallel rock shafts supported on said rocker transversely thereof, and each extending from one side of the rocker to the other, a crank rigid with each of said rock shafts midway thereof, a single link pivotally interconnecting said cranks, a pair of arms rigidly connected at one end to the ends of each shaft, and a supporting wheel rotatably mounted at the other end of each of said arms, whereby said wheels may be operated simultaneously either into operative supporting position or into retracted inoperative position.

2,497,266
HINGE
Robert Levane, London, England
Application July 17, 1946, Serial No. 684,156
In Great Britain December 20, 1945
3 Claims. (Cl. 16—189)



3. In a hinge structure comprising a pair of hinge plates co-assemblable with respective edges thereof in adjacent parallelism, each of said plates having a set of tubular lugs spaced lengthwise along its said edge and the bores in each set of such tubular lugs being coaxial to constitute hinge-pin-receiving openings, the axial dimensions and spacings of the lugs in each set being such to provide a central space along the edges of the plate when the sets of lugs are coaxially assembled, the combination with a tubular torsion spring accommodatable in said central space with its bore in coaxial alignment with those of the lugs and a cylindrical hinge pin adapted to be passed through the coaxial bores of the sets of lugs and of the spring when the plates are coassembled, said torsion spring having projections at its free ends, said projections being laterally spaced relative to the longitudinal axis of the spring and from each other a distance less than the combined thickness of said coassembled hinge plates, said hinge pin, when passed through the bores of said lugs and said spring, serving to align the spring coaxially with the lugs, and to spread the respective projections of the spring laterally, and reduce the diameter thereof, whereby to maintain the hinge structure with the plates under pressure, the spring under tension, and the portions of hinge pin passing through the bore of the spring under torque at all times, the same respectively being increased as the plates are spread apart.

2,497,267
LATCHING DEVICE
Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 13, 1945, Serial No. 628,213
11 Claims. (Cl. 287—53)

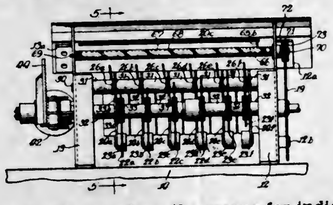


1. In a device for releasably retaining a part on a rod extending therethrough and having a recess, a radially inwardly retractable resilient member secured in the recess in the rod and extending generally longitudinally with respect thereto, a latching element projecting laterally outwardly from the member at a position intermediate of its length and having in its normal position of rest, an outer limit of projection which is spaced beyond the outer diameter of the rod a distance no greater than the distance that the member is inwardly retractable, one face of the element being gradually sloped inwardly and the other face of the element having a portion inclined abruptly to the body of the member and a sleeve normally mounted co-axially with respect to the rod with a portion surrounding that portion of the body of the member adjacent the gradually sloped surface of the latching element, said sleeve being movable axially with respect to the member and over the gradually sloped face thereof whereby it engages the element and retracts it inwardly.

2,497,268
PERMANENT MAGNETS AND METHOD FOR THE OBTENTION OF THE SAME
Louis Neel, Grenoble, France, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
No Drawing. Application March 28, 1945, Serial No. 585,398. In France July 26, 1944
4 Claims. (Cl. 175—22)

3. A permanent magnet consisting essentially of an agglomerated but unsintered body of pure iron powder and about 0.1% to 10% by weight of a powdered metal oxide having a high formation heat selected from the group consisting of calcium, magnesium, aluminum and cadmium.

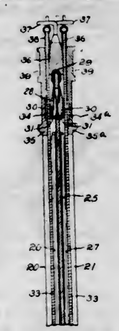
2,497,269
TUNING INDICATOR FOR RADIO RECEIVERS
Anthony P. Olesky, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application September 20, 1944, Serial No. 554,890
3 Claims. (Cl. 116—124.1)



3. In a radio receiver, the means for indicating the station to which the receiver is tuned, which comprises an elongated stationary member having a longitudinally extending guide slot therein, an elongated tubular camming member disposed beneath said stationary member in alignment with said slot and comprising an edge-wound strip having its edges displaced to define a helical camming groove, an elongated traveling element disposed within said camming member and slidably movable longitudinally of said camming member, movable indicator means including a wire-like element extending through said slot and said groove and anchored to said traveling element, whereby said indicator means is at least in part supported by said camming member and is moved along said slot when said camming member is rotated, means supporting said camming member for rotation, and means operated concurrently with the tuning of said receiver for rotating said camming member, thereby to move said indicator means to a setting indicative of the station to which the receiver is tuned.

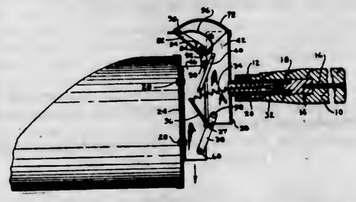
2,497,270
PHOTOGRAPHIC FILM HOLDER LIGHT SEAL
James S. Panosian, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application January 3, 1948, Serial No. 463
7 Claims. (Cl. 95—67)

1. A rectangular film holder for photographic cameras having two dark slides, a medianly positioned separator plate having a prolonged transversely-extending opening near its upper end, a light valve or seal extending downwardly from the upper cross portion of the holder, said light valve or seal having opposite depending portions received in said opening of the separator plate from opposite faces of said separator plate, thereby occupying all the space between said two dark slides, the said upper cross portion of



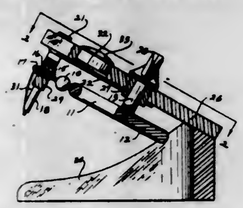
the holder being provided with a recess along the lower edge thereof, and the light valve or seal being positioned and held in said recess.

2,497,271
WEIGHING SCOOP
Charles Peckham, New York, N. Y., assignor to The Robson Corporation, New York, N. Y., a corporation of New York
Application February 7, 1947, Serial No. 727,198
1 Claim. (Cl. 265—66)



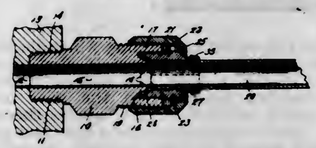
A weighing scoop comprising a handle having a sleeve extending therefrom, a first channel member having a base and spaced sides, the sleeve member mounted on the base of the first channel member at right angles thereto, a second channel member having a base and spaced sides, said second channel member spaced from the first channel member and movable parallel thereto and perpendicularly to the handle downward with respect thereto, a scoop mounted on the base of the second channel member and extending outwardly therefrom, means connecting the channel members together and comprising a lower link pivoted at one end to the sides of the first channel member therebetween and at the other end to the sides of the second channel member therebetween and an upper link pivoted at one end to the sides of the first channel member therebetween and at the other end to the sides of the second channel member therebetween, an indicating finger cooperating with the upper link at substantially right angles thereto and a weighing spring secured at one end in the sleeve to the interior of the handle and at the other end to the indicating finger and to be extended upon placing a weight in the scoop, said finger being of dimensions such that the weighing spring is maintained at right angles to each of the channel members upon its extension by a weight in the scoop.

2,497,272
CREST VOLTMETER
Challener W. Rainey, Ann Arbor, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 19, 1947, Serial No. 729,617
2 Claims. (Cl. 250—38)



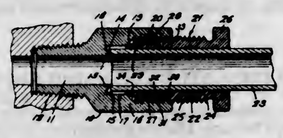
1. In a variable spark gap, a panel, a shaft rotatably mounted in said panel, a first relatively movable electrode comprising a tore secured to one end of said shaft at a point spaced from the geometrical center of said tore, a second relatively fixed spherical electrode mounted on a pin, said pin being slidably received in a sleeve mounted on said panel and so disposed that the longitudinal axis of said pin substantially coincides with the principal plane of said tore and is normal to and intercepts said shaft, said sleeve including resilient means engaging said pin and normally urging it to maintain a selected position therein, and indicating means on the face of said panel showing the relative displacement between said electrodes as said tore is rotated about the eccentric axis afforded by said shaft.

2,497,273
PIPE CONNECTION
James C. Richardson, Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application August 21, 1946, Serial No. 691,914
5 Claims. (Cl. 285—86)



1. A pipe connector comprising a body member having a projection having a flare-forming surface, an axially extending wall surrounding said projection and with the latter providing a flare-receiving recess of determinate size to contain the flared pipe and the hereinafter mentioned ferrule, said recess extending axially beyond said flare-forming surface of the projection a determinate distance dependent upon the amount of pipe to be flared, a draft member threaded to said body member, a ferrule joined to the draft member for advancement therewith, said ferrule having a bore of greater diameter than the smallest diameter of said projection to freely pass a pipe therethrough to abut said flare-forming surface of the projection, said ferrule having an abutment portion, the outer diameter of which exceeds the diameter of the recess so that the abutment portion of the ferrule engages the wall at the outer end of the recess, whereby threading of the draft member upon said body causes the ferrule to advance into said recess to be compressed into clamping engagement with the pipe at a place thereon spaced a distance from the pipe end dependent upon said determinate distance to extrude said pipe along the flare-forming surface of the projection and substantially fill said recess to form a leak-tight joint with said pipe.

2,497,274
PIPE CONNECTOR
James C. Richardson, Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application October 2, 1946, Serial No. 700,691
7 Claims. (Cl. 285—166)



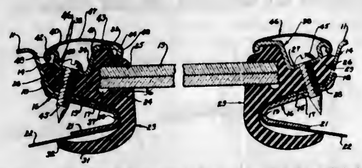
1. A pipe connector comprising a body member having a projection having a flare-forming surface, an axially extending wall surrounding said projection and with the latter providing a flare-receiving recess of determinate size to contain the flared pipe and the hereinafter mentioned sleeve, said recess extending axially beyond said flare-forming surface of the projection a determinate distance dependent upon the amount of the pipe to be flared, a draft member threaded to said body member, a sleeve joined to the draft member by a frangible connection and having a bore of greater diameter than the smallest diameter of said projection to freely pass a pipe therethrough to abut said flare-forming surface of said projection, said sleeve having an abutment portion the outer diameter of which exceeds the diameter of said recess so that the abutment portion of the sleeve engages the wall at the outer end of the recess, whereby further threading of the draft member upon said body shears said frangible connection so that the draft member may rotate without rotating said sleeve, and upon continued threading of the draft member advances said sleeve into the recess by abutting engagement of the draft member with the sleeve to be compressed into clamping engagement with the pipe at a place thereon spaced a distance from the pipe end dependent upon said determinate distance to extrude said pipe along the flare-forming surface of the projection and substantially fill said recess to form a leak-tight joint with said pipe.

2,497,275
QUARTZ OSCILLATOR PLATE
Wallace H. E. Samuelson, Weehawken, N. J., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa., a corporation of Pennsylvania
Application October 6, 1945, Serial No. 620,722
4 Claims. (Cl. 171—327)



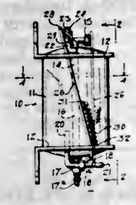
1. As an article of manufacture, a quartz oscillator plate, a film of suitable deposited metal on and completely covering the entire surface of one major face of said plate, and a spot-like film of similar deposited metal on the opposite major face of said plate having its entire edge spaced inwardly from the edge of said plate.

2,497,276
WINDOW CONSTRUCTION
Edwin D. Scott, Plymouth, and Thomas W. Stephenson, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application April 3, 1946, Serial No. 659,262
4 Claims. (Cl. 296—44)



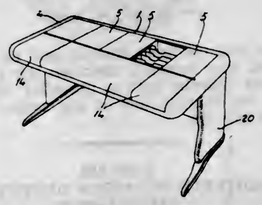
1. In a window construction for a vehicle, a body panel having a window opening formed therein, said body panel having a portion at said window opening extending inwardly at a considerable angle to the plane of said window opening, and a marginal flange extending inwardly from said first-mentioned portion at a smaller angle to the plane of said window opening, said inwardly extending portion and said flange cooperating a form a depressed window frame in said body panel, a resilient sealing strip seated in said window frame in engagement with said flange and said first-mentioned portion, a groove formed in the inner periphery of said sealing strip to receive a window glass, a window glass having its marginal edges seated within said groove, a retaining strip having a base portion extending generally parallel to the marginal flange of said body panel and an outer flange extending generally parallel to and overlying the marginal edges of said window glass, fastening means extending through the base of said retaining strip and engageable with the marginal flange of said body panel to clamp said sealing strip therebetween and to simultaneously clamp said sealing strip against the opposite faces of said window glass, and a decorative molding mounted upon said retaining strip and substantially concealing the latter and said sealing strip.

2,497,277
GASOLINE FUEL RESERVE TANK
Abe Siegel, Brooklyn, N. Y.
Application August 10, 1945, Serial No. 610,020
5 Claims. (Cl. 158—46.5)



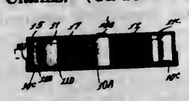
1. In a gasoline fuel reserve tank having a hollow container connected with a source of liquid fuel and having a high feed overflow and low feed overflow leading from the bottom thereof, a normally closed pet cock mounted on the top of said container to connect the interior thereof with the atmosphere when the liquid fuel in the container is draining through the low feed overflow, a two-way valve having separate branches connected to the high feed overflow and the low feed overflow and normally open to allow the liquid fuel to discharge through said two-way valve through the high feed overflow, a control handle extending radially from said pet cock, a control handle extending radially from said two-way valve, and means interconnecting said handles so that when said control handle of said two-way valve is moved to close the discharge from said high feed overflow and to open the discharge from the low feed overflow the control handle of said pet cock will be moved to open said pet cock and connect the interior of the container with the atmosphere.

2,497,278
WORKTABLE ADAPTED FOR OFFICE WORK
Bengt Thronsen Söderlund, Stockholm, Sweden
Application February 27, 1947, Serial No. 731,237
In Sweden September 3, 1946
5 Claims. (Cl. 45—6)



1. In an office table, in combination, supporting legs, a generally rectangular frame mounted on said legs, said frame having a member extending longitudinally thereof dividing the frame into two portions, a bottom supported from the lower side of said frame to form two compartments, one forward of said longitudinal member and one rearward thereof, and a plurality of slidable cover means for each said compartment, the cover means for the rear compartment being movable in a direction parallel to said longitudinal member and those for the forward compartment being movable in a direction perpendicular to said longitudinal member.

2,497,279
SASH BALANCE
Dudley M. Steele, Glendale, Calif.
Application June 2, 1947, Serial No. 751,824
2 Claims. (Cl. 16—198)

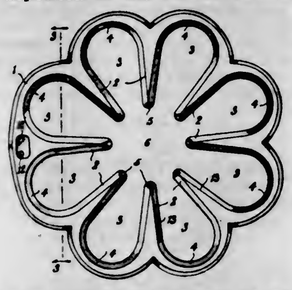


1. In a spring sash balance, a plate member, a cable, a reel member having a pair of spaced circular flanges defining a channel for confining said cable, one end of said cable being attached to said reel member in proximity to one of said flanges and the other one of said flanges cooperate with a raised portion on said plate member to guide the movement of said cable onto said reel member.

2,497,280
EGG MOLD
Joseph B. Stier, New York, N. Y.
Application May 3, 1948, Serial No. 24,881
2 Claims. (Cl. 99—428)

1. A mold for eggs comprising an open frame having a rim, bars integrally formed thereon and extending inwardly from the rim toward the center of the frame, the bars being similar in height to the rim, the inner ends of said bars

being spaced apart to define a central enclosure and the spaces between the bars being in communication with said central enclosure, whereby an egg deposited in the central enclosure will



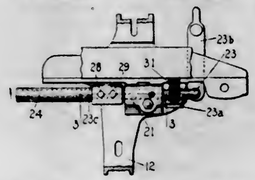
have its yolk confined therein and its white permitted to flow laterally between the bars and be separated thereby into a plurality of petal-like shapes, the lateral flow of the same being confined by the rim.

2,497,281

SHUTTLE POSITION DETECTOR MECHANISM

James M. Tuten, Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application December 11, 1947, Serial No. 791,117
5 Claims. (Cl. 139—345)



1. In a loom shuttle position detector mechanism: protector elements each including a dagger, a shuttle position detecting finger and a rod end; bearing members each receiving a portion of a respective rod end and thereby rotatively supporting the respective element; a tube extending between and interconnecting said rod ends, a short length of the tube at each end thereof receiving a complementary length of a respective rod end; means at each end of and substantially surrounding said tube outside said short length and firmly securing said tube to said rod ends; and spring means biasing said elements toward detecting position; whereby rapid rotation of either of said protector elements is accompanied by substantially identical rotation of the other of said elements with respect to time and extent of rotation to insure substantially coincidental operation of said daggers.

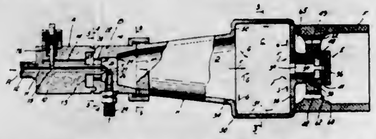
2,497,282

HEATING DEVICE AND COMBUSTION PROCESS

Richard J. Waller, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut

Application November 23, 1944, Serial No. 564,851
7 Claims. (Cl. 158—53)

1. In a device of the character described, means for atomizing liquid fuel with oxygen-containing gas, means for treating the atomized fuel with additional such gas in the region of atomization, means for proportioning the volumes of atomizing and treating gases, said device having chambers in succession into which in succession a mixture consisting of atomized fuel and atomizing oxygen-containing gas and treating oxygen-containing gas in proportions controlled by said proportioning means are delivered, heating means for the



final one of the chambers, and turbulence creating means in the final one of the chambers, said chambers, heating means and turbulence creating means effecting expansion of said mixture in said chambers, and its substantially complete homogenelzation into a homogeneous gaseous product, and means for burning the homogeneous gaseous product only subsequent to the completion of homogenelzation, and externally of said third-named means.

2,497,283

CONTROL PEDAL FOR MOTOR VEHICLES

John J. Wharam, Dearborn, and Jerome J. Felts, Pontiac, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application March 16, 1945, Serial No. 583,102
3 Claims. (Cl. 74—519)



1. In a pedal construction a main arm having its lower end folded upon itself, a linkage arm adapted to engage an actuating mechanism through one end having the other end folded upon itself, said folded portion of said main arm being in face-to-face relationship and directly abutting upon each other, said folded portions of the linkage arm being also in face-to-face relationship but substantially spaced from each other except at the end of the folded portion where they are welded together, a welded connection between said main arm and the folded portion thereof at the free end of said folded portion, a welded connection between said linkage arm and the folded portion thereof at the free end of said folded portion, and a bore extending transversely through the lower ends and folded portions of said arms.

2,497,284

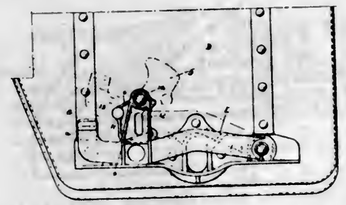
FULCRUM FOR CAR DOOR LOCKING MEANS

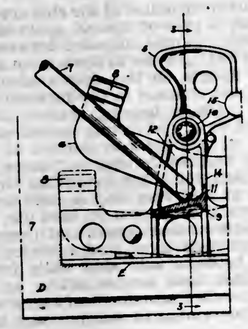
Albert E. Zimmer and William F. Batho, Chicago, Ill., assignors to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application July 17, 1947, Serial No. 761,590
2 Claims. (Cl. 105—308)

2. In a door latching device including a door hinged along its upper side and swingable about a horizontal axis to and from a closed position inclined to the vertical and biased therefrom by gravity to a vertical open position, a latch bar for holding the door closed, the latch bar being pivotally mounted on the door to swing parallel

to its outer side and toward its hinge axis to released position, a prying lug carried by the door and another prying lug carried by the latch bar, the two prying lugs being adapted to accommodate a prying bar inserted therebetween for unlatching the latch bar, the improvement which comprises a shelf integral with said prying lug carried by the door and adapted to form a rest for one end of said prying bar, the upper surface of said shelf being inclined upwardly with respect to the outer side of the door and forming therewith an acute angle opening to





receive said end of said bar with a wedging action whereby said bar is prevented from laterally slipping off said prying lug carried by the door when force is applied thereto by said bar to unlatch the latch bar, and a vertical wall integral with said shelf on the end away from said prying lug carried by said latch bar to prevent the prying bar from longitudinally slipping past said end, the upper edge of said vertical wall being inclined outwardly and downwardly with respect to the outer side of said door whereby said prying bar if applied thereto will slide off of the same and it will not function as a fulcrum therefor.

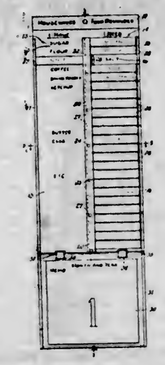
2,497,285

REMINDER DEVICE

Thomas B. Allardice, Mountain Lakes, N. J.

Application February 1, 1947, Serial No. 725,882
3 Claims. (Cl. 40—62)

1. A reminder device, comprising a supporting panel bearing upon a surface adjacently disposed columns of successive sets of duplicate indicia, a guide bar secured to the panel to extend substantially midway thereof longitudinally over and displaced from its face to divide the two columns of indicia, said bar affording with the indicia-bearing surface of the panel parallel transverse guides aligned with the respective indicia of the sets, and slide elements in number equal to the indicia of one column each having one end adapted to extend under the bar through corresponding guides thereof, said slides being provided in proximity to the end remote from the normally bar-underlying end with an upstanding



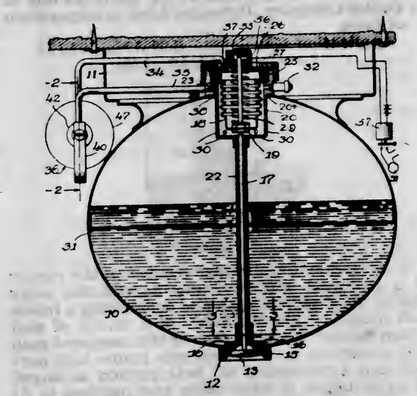
tab whereby to manipulate a slide transversely over the panel surface to expose alternatively one or the other of the duplicate adjacent indicia of a corresponding set.

2,497,286

AUTOMATIC FIRE EXTINGUISHING DEVICE

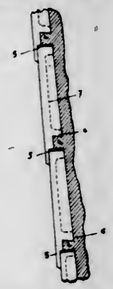
Ernest G. Ashcraft, Chicago, Ill., assignor to Iva Coryne Davidson, Hollywood, Calif.

Application November 29, 1944, Serial No. 565,658
13 Claims. (Cl. 169—26)



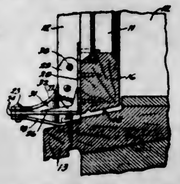
1. In a fire-extinguishing device, a container for holding a quantity of liquid fire-extinguishing agent, and a gas under pressure, an atomizing discharge nozzle communicating with said container, a valve means responsive to the pressure in said container for closing said nozzle, and means responsive to predetermined temperature conditions for rendering said pressure-responsive means inoperative so as to cause said valve to open and discharge the liquid through said atomizing nozzle under pressure of the gas in said container.

2,497,287
COVERING SYSTEM
André Jules Eugène Louis Bigard, Paris, France
Application January 4, 1946, Serial No. 638,954
In France October 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 17, 1964
5 Claims. (Cl. 108—10)



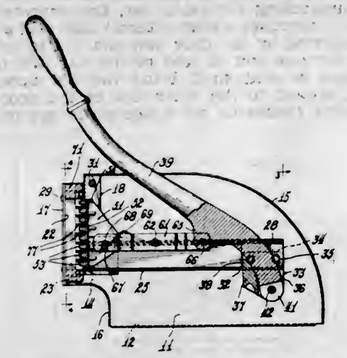
1. In a roof construction a plurality of spaced parallel supporting members arranged in the direction of the slope of said roof; a plurality of projecting tenons arranged along the upper faces of said supporting members and forming part thereof; a plurality of tiles placed on said supporting members so that each of them is supported by adjacent members along opposite edges; and notches provided at the lower corners of said tiles into which said projecting tenons fit so as to support said tiles.

2,497,288
CASEMENT SASH HINGE
Frederick E. Bissell, Jr., and Eugene E. Claussen, Dubuque, Iowa, assignors to Carr, Adams & Collier Company, Dubuque, Iowa, a corporation of Iowa
Application May 5, 1945, Serial No. 592,120
3 Claims. (Cl. 16—135)



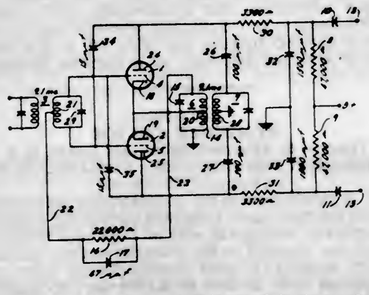
3. A casement sash hinge located in the corner of a casement window frame beyond the outer face of the casement sash and comprising a frame unit fitting within the angle of a corner of said frame beyond the outer face of the casement sash and consisting of a vertical side frame butt portion and a horizontal sill butt portion arranged at right angles to each other and inclined to fit an outwardly beveled vertical portion of the frame and the beveled surface of the sill of said frame, and a shank extending outwardly from said butt portions, and a sash unit having a flat angle strap secured to the outer face of the sash at the corner thereof adjacent the frame unit and provided with an outwardly extending arm pivoted to the outer end of the shank of the frame unit, and having a length sufficient to extend from its pivoted end to the outer face of the sash when the latter is in its closed position to cause the sash in its closing movement to be carried inwardly to a position beyond the frame unit.

2,497,289
POTATO CUTTER
Harold Bloomfield, Chicago, Ill.
Application October 2, 1947, Serial No. 777,459
3 Claims. (Cl. 146—169)



1. A cutting machine of the character described comprising a pair of spaced apart side walls, a sheet metal channel disposed between said side walls and having a slot in the bottom and opposed inturned flanges on the sides thereof, members securing said channel to the forward portions of said side walls, a bearing bracket disposed between said walls and having spaced ears between which is secured the rear portion of said channel, said bracket having a tongue extending through said slot, a pin extending through perforations in said ears and in said side walls, a lever pivotally supported on said pin, a pressure head slidable on said flanges and operatively connected with said lever, and a cutter removably mounted between said side walls forwardly of said channel, said tongue acting as a stop to limit the forward movement of said lever and the rearward movement of said pressure head.

2,497,290
FREQUENCY DETECTOR AND FREQUENCY CONTROL CIRCUITS
William E. Bradley, Springfield, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 17, 1947, Serial No. 780,343
11 Claims. (Cl. 250—27)



1. A frequency modulation detector of the synchronized oscillator type, said detector comprising: a pair of tubes each having at least a cathode, a grid and an anode, a resonant tank circuit, means connecting said tubes in parallel

with each other and in regenerative relation with said tank circuit for generating oscillations of predetermined frequency, means for applying a frequency-modulated carrier wave to said grids in differential relation, the carrier frequency of said wave being harmonically related to the frequency of said oscillations, a tuned circuit coupled differentially to said anodes and inductively to said tank circuit, said tuned circuit being tuned to the frequency of said tank circuit, and an audio frequency load circuit connected in the anode circuit of at least one of said tubes.

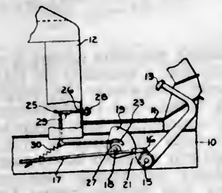
2,497,291
COPOLYMERS OF ETHYLENE WITH VINYL CHLORIDE
Merlin M. Brubaker, Boothwyn, Pa., John R. Roland, Wilmington, Del., and Merlin D. Peterson, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 13, 1947, Serial No. 734,560
2 Claims. (Cl. 260—87.5)

1. A solid ethylene/vinyl chloride polymer containing 74% to 90% by weight of combined vinyl chloride, copolymerized with correspondingly from 26% to 10% by weight of combined ethylene, said polymer being soluble in an aromatic hydrocarbon solvent to the extent of at least 20% by weight.

2,497,292
PREPARATION OF N-ISOBUTYL HEXAMETHYLENEDIAMINES
Walter M. Bruner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 7, 1946, Serial No. 668,018
3 Claims. (Cl. 260—583)

1. A compound of the class consisting of N-isobutyl-1,6-diaminohexane and N,N'-diisobutyl-1,6-diaminohexane.

2,497,293
BRAKE PEDAL LOCK FOR VEHICLES
William M. Cade, Dubuque, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application October 9, 1948, Serial No. 53,737
8 Claims. (Cl. 74—478)

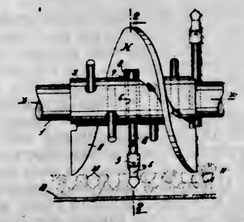


1. In a vehicle having supporting structure and a pair of brake pedals independently rockable forwardly about a common axis from a normal position to a depressed position, the combination with said pedals of a pair of lock members independently rockable about an axis spaced rearwardly from and parallel to the brake pedal axis, each arranged normally in a rear position and capable of movement by its own weight to a forward position; means providing in each lock member a slot extending toward the brake pedal axis and having front and rear ends; a single control member movable on the supporting structure between front and rear positions and having a portion passing freely through the slots in both lock members, said portion being slidable fore and aft in said slots and said portion, when the control member is in its rear position, engaging the rear ends of the slots to prevent said lock members from falling forwardly; and a pair of lock elements, respectively cooperative with the lock members one on and movable with each pedal and cooperating with the respective lock member when said lock member and pedal are in their rear positions to prevent said lock member from falling forwardly even though the control member is moved to its forward position to dispose its slot-received portion at the forward ends of the slots in said lock members, each lock member and its cooperating lock element having portions interengageable, when the respective brake pedal is depressed and the control member is in its forward position, to releasably lock said depressed pedal in depressed position, and said control member being returnable to its rear position with its portion engaging the rear ends of the slots of both lock members to return said lock members to their rear positions.

2,497,294
INSECTICIDAL COMPOSITION
Leonard C. Cartwright, New York, N. Y., assignor to Foster D. Snell, Inc., a corporation of New York
No Drawing. Application October 15, 1946, Serial No. 703,285
3 Claims. (Cl. 106—16)

2. A liquid composition suitable for use in forming a hard non-tacky insecticidal film comprising 2,2,-bis(p-chlorophenyl) 1,1,1-trichlorethane serving as the insecticide, a water insoluble cellulose ether of an aliphatic alcohol containing 2 to 4 carbon atoms to the molecule serving as hardening agent, a resin selected from the group consisting of coumarine-indene resin, terpene resin, ester gum, polymerized ester gum and maleicized ester gum, and a volatile solvent medium for the insecticide, hardening agent and resin, proportions by weight of the non-volatile ingredients being 0.5 part to 2.5 parts of the resin, 0.1 to 0.5 part of the cellulose ether and 5 parts of the insecticide.

2,497,295
DEVICE FOR MANIPULATING SAND AND OTHER PULVERULENT SUBSTANCES
Jean Albert Cavallier, Nancy, France, assignor to Société: Pompes Noel, Liverdun (Meurthe-et-Moselle), France, a French company
Application July 24, 1947, Serial No. 763,192
In France August 1, 1946
2 Claims. (Cl. 259—109)



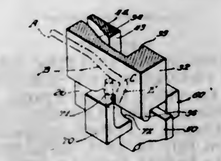
1. A device for handling pulverulent material comprising a fixed wall for supporting said mate-

rial which is to be displaced with respect to said wall, a support which is movable with respect to said wall, a hub on said support, a helicoid propelling element fixed to said hub for moving said material along said wall, said helicoid having spaced notches formed in its wall adjacent the hub, rods carrying breaking-up fingers extending through said hub and support to key said hub to said support, said rods projecting into said notches, securing pins in said rods within said notches to prevent displacement of said rods, said rods being disposed radially about said hub opposite said helicoid in the path of the pitch of said helicoid where it joins said hub, said breaking-up fingers extending radially towards said wall and projecting beyond the outer extremity of said helicoid so as to break up progressively with its formation, the layer of material formed on said wall and not reached by said helicoid.

2,497,296
PURIFICATION OF ETHYLENE
Franklin S. Chance, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1946, Serial No. 663,233
5 Claims. (Cl. 260—677)

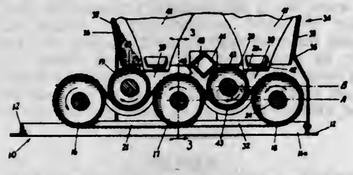
1. A process for the purification of ethylene containing acetylene as an impurity which consists in passing the said ethylene at a temperature of about 30° to 150° C. through a dispersion of metallic sodium in a liquid hydrocarbon medium to which has been added a sufficient quantity of anthracene to prevent the formation of foam recovering the ethylene from the gaseous product, and purifying the said recovered ethylene by distillation.

2,497,297
APPARATUS FOR FORMING POTATO DIGGER LINKS
Leslie W. Court, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application June 5, 1948, Serial No. 31,298
8 Claims. (Cl. 153—3)



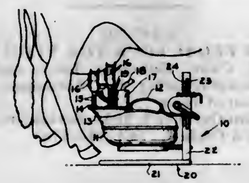
1. An apparatus for shaping the ends of a rod comprising in combination; an anvil die arranged to support the rod; a backing die having a joggle forming surface, means for moving said backing die into mating engagement with the anvil die; a first die having a surface normally mating with said joggle forming surface, means for moving said first die into engagement with said rod and said joggle forming surface whereby a joggle is formed in said rod; means on said backing die for bending the end of said rod downwardly on the anvil die substantially at a right angle with respect to the rod, and means constructed and arranged to engage the end of said rod and bend the same into a hook.

2,497,298
CORNHUSKING MECHANISM
Dugald Currie, Des Moines, Iowa
Application June 12, 1947, Serial No. 754,188
2 Claims. (Cl. 130—5)



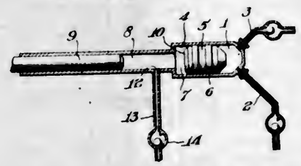
1. A corn husking mechanism including a frame structure, a plurality of rolls, means rotatably supporting said rolls in a parallel relation spaced transversely of said frame structure, with the end rolls and an intermediate roll having their axes in a common plane, and certain of the remaining rolls having their axes in a second common plane spaced upwardly from said first mentioned common plane and between adjacent rolls in said first common plane, with said rolls being relatively constructed such that the rolls in said second common plane have their lower sides substantially at the level of said first common plane, and their upper sides above the level of the upper sides of the rolls in said first common plane, a continuous combination drive and husking belt of a width substantially coextensive with the length of said rolls arranged to travel below said end rolls and between the rolls in said two planes, whereby to be in contact engagement with all of said rolls, and means for driving one of said rolls.

2,497,299
SUPPORTING MEANS FOR MILKING APPARATUS
Sherwood Daily, Downers Grove, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 3, 1947, Serial No. 745,682
5 Claims. (Cl. 31—58)



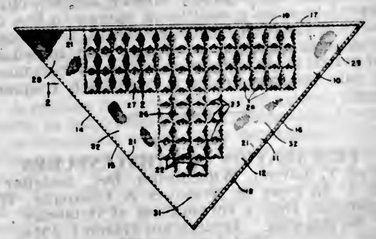
1. In a milking machine having a milk receiving receptacle and a plurality of teat cups connected to said receptacle by relatively short flexible milk tubes, the combination therewith of means for supporting said receptacle beneath the animal's body including a ground support having an upright member connected thereto, a member slidably associated with said upright member, rack and pinion means between said upright member and said supporting member for vertically adjusting the sliding member, a hinge member connected to said receptacle, said hinge member being pivotally connected to the sliding member for hinged movement about a horizontal axis, a resilient element positioned between said upright member and said receptacle, said hinge member and said resilient member providing two points of support for said receptacle thereby resiliently supporting the receptacle in a substantially horizontal position, said receptacle being adapted to sag vertically downwardly under the increasing accumulation of milk, thereby providing a downward vertical tug on the teats of the animal.

2,497,300
FLOATING PISTON PUMP
John F. Elliott, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 29, 1947, Serial No. 725,003
2 Claims. (Cl. 103—52)



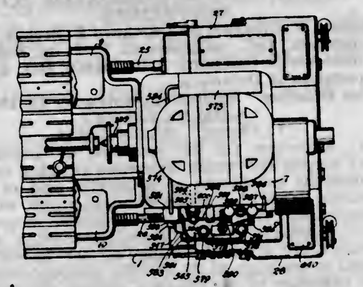
1. A device for pumping fluids which comprises in combination a pump chamber with valve-equipped inlet and valve-equipped outlet conduits, a cylinder contiguous with the said chamber, a solid stemless piston operable in the said cylinder, a second cylinder of smaller diameter in communication with the first cylinder, a solid plunger reciprocably mounted in the said smaller cylinder, means for reciprocating the plunger, said smaller cylinder being adapted to being sealed from the larger cylinder by the stemless piston at the end of a suction stroke of the said plunger, a fluid mass interposed between the said plunger and the said stemless piston, an inlet for introducing fluid into the smaller cylinder, said inlet being so positioned that it is closed by the plunger during a discharge stroke and opened by the plunger during a suction stroke and adapted to permit inflow of fluid when the stemless piston seals the larger cylinder from the smaller cylinder at the end of a suction stroke, and means, including a constant pressure pump and a conduit, for supplying fluid to the said inlet, the fluid in the cylinders being adapted to actuate the stemless piston, thereby transmitting the pumping effect from the plunger to the pump chamber.

2,497,301
HAIR DRIER
Earl Weston Farmer, Deephaven, Minn.
Application March 2, 1949, Serial No. 79,232
3 Claims. (Cl. 34—95)



1. A hair dryer comprising a relatively flat container having a front and a back and constructed of porous flexible material, stitches applied to said container and connecting said front and back together along predetermined lines to form pockets therebetween, said pockets covering an area in the shape of a T with intervening foldable portions therebetween and an absorbent material disposed in said pockets.

2,497,302
AUTOMATIC LATHE CONTROL
Frank A. Fritzsch, Cincinnati, Ohio, assignor to The Lodge and Shipley Company, Cincinnati, Ohio, a corporation of Ohio
Application December 20, 1946, Serial No. 717,576
1 Claim. (Cl. 74—337.5)



A change speed drive for a lathe spindle comprising an input power shaft and change gear mechanism connecting said input shaft and spindle for selectively changing the speed of rotation of the spindle with respect to the speed of rotation of the input shaft, a cam shaft, a reversing driving connection operatively connected to said cam shaft and said spindle and arranged to limit the rotation of said cam shaft to not more than about one complete revolution of 360° in either direction, said cam shaft having cams thereon and means for adjusting the relative position of said cams with respect to the starting point of said cam shaft when turning one revolution in one direction, a plunger actuated by one of said cams when said cam shaft turns in one direction, an electric switch having at least two circuit controlling positions and actuated by said plunger to one of said positions, a second plunger actuated by another of said cams adapted to lock said first mentioned plunger in its actuated position and to release said first mentioned plunger when said cam shaft is turning in the opposite direction, means for reversing the direction of rotation of said cam shaft when said shaft has turned one revolution in either direction about its longitudinal axis, and means controlled by said switch for actuating said spindle speed-change mechanism.

2,497,303
REACTION BETWEEN OLEFINIC COMPOUNDS, CARBON MONOXIDE, AND HYDROGEN IN THE PRESENCE OF A METAL CARBONYL CATALYST
William F. Gresham and Richard E. Brooks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1945, Serial No. 595,474
3 Claims. (Cl. 260—604)

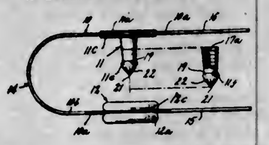
1. A process for the preparation of oxygen-containing organic compounds which comprises reacting an organic unsaturated compound containing olefinic unsaturation simultaneously with carbon monoxide and hydrogen in the presence

of a catalytic quantity of a carbonyl of a metal having an atomic number of from 26 to 28 inclusive, said metal carbonyl being initially introduced as such into the reaction mixture, at a temperature of about 75° to 250° C. under a pressure within the range of 50 to 3000 atmospheres whereby thermal decomposition of the said metal carbonyl is suppressed, and an oxygen-containing reaction product is obtained.

2,497,304
PREPARATION OF CARBOXYLIC ACID ANHYDRIDES
William F. Gresham and Richard E. Brooks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 23, 1945, Serial No. 630,540
10 Claims. (Cl. 260—546)

1. A process for the synthesis of carboxylic acid anhydrides which comprises reacting under anhydrous conditions a carboxylic acid of the formula RCOOH, R being an alkyl group, with a hydrocarbon containing non-aromatic monoolefinic unsaturation, and carbon monoxide, at a temperature within the range of 200° to 500° C., under a pressure of 25 to 2000 atmospheres, in the presence of a nickel-containing catalyst of the class consisting of nickel carbonyl and substances which produce nickel carbonyl under the conditions of the reaction, whereby a reaction product containing organic carboxylic acid anhydride is produced and thereafter separating the said organic carboxylic acid anhydride from the resulting mixture.

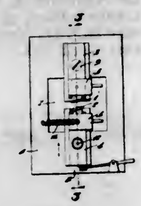
2,497,305
SNAP FASTENER DEVICE
Miriam Isaac and Richard M. Rauner, New York, N. Y.
Application June 26, 1948, Serial No. 35,346
3 Claims. (Cl. 24—217)



1. A fastener device for detachably joining together layers of pliable material in superposed position comprising snap button means including a male part and a female part engageable with one another, said male part including a conical head terminating in a pointed end, and cutting means extending radially from said pointed end and arranged on said head to thereby facilitate passage of said head of said male part through said layers for subsequent engagement of said male part with said female part.

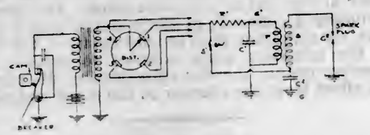
2,497,306
ELECTRIC SWITCH
Edwin W. Landmeier, Lakeside Park, Ky., assignor to The Wadsworth Electric Manufacturing Co., Inc., Covington, Ky., a corporation of Kentucky
Application March 5, 1945, Serial No. 581,106
4 Claims. (Cl. 200—166)

4. A switch comprising a base having an elongated guide slot therein, an elongated contact carrier disposed within said slot so as to be guided by a surface thereof, said contact carrier being substantially narrower than said slot, means for retaining the contact carrier in said slot, means for biasing the contact carrier towards one side of said slot, a contact mounted at the end of said carrier, a cooperable contact, and means for moving said carrier toward and from the second contact, one of the said contacts having a face



generally disposed in a plane of configuration which is angulated with respect to the axis of said elongated slot such that the angulation is effective to cause substantial bodily, lateral movement of said contact carrier in said slot upon pressure engagement of said contacts whereby one of the contacts wipes relatively over the surface of the other when they are brought into pressure engagement.

2,497,307
IGNITION SYSTEM
Gregor L. Lang, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application June 6, 1946, Serial No. 674,724
8 Claims. (Cl. 315—163)

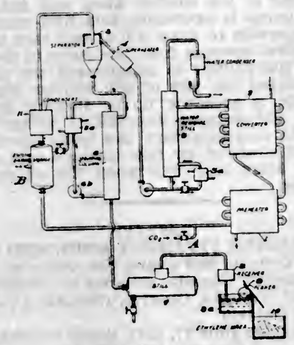


1. In a high frequency ignition system comprising a capacitance, high frequency transformer and spark gap adapted to furnish energy to a spark plug, an auxiliary energy booster circuit adapted to supply additional energy to the discharge of the high frequency circuit, said booster circuit comprising a condenser and impedance and switch means for connecting and disconnecting said booster circuit to said high frequency circuit.

2,497,308
PREPARATION OF ETHYLENEUREA
Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1944, Serial No. 524,527
8 Claims. (Cl. 260—309)

1. A process for the preparation of ethyleneurea which comprises subjecting carbon dioxide and ethylene diamine to a reaction at a temperature between 175 and 300° C. and at a pressure of at least 10 atmospheres.

2,497,309
PROCESS FOR THE PREPARATION OF ETHYLENEUREA
Alfred T. Larson and Arthur G. Weber, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 4, 1944, Serial No. 534,046
11 Claims. (Cl. 260—309)



1. A continuous cyclical process for the preparation of ethyleneurea which comprises continuously introducing ethylenediamine, containing from 10 to 50% water, and carbon dioxide into a reaction zone, subjecting the resulting mixture therein to a temperature between 200 and 300° C. and a pressure above 10 atmospheres, continuously discharging the products from the reaction zone, separating the ethyleneurea from the water, the unreacted ethylenediamine and carbon dioxide and returning the unreacted ethylenediamine and carbon dioxide, adding more carbon dioxide and the amount of ethylenediamine consumed in the cycle thereto and passing the resulting mixture into the reaction zone.

2,497,310
SYNTHESIS OF AMINES
Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 3, 1946, Serial No. 638,924
5 Claims. (Cl. 260—585)

1. A process for the synthesis of amines which consists in introducing carbon monoxide, hydrogen, a compound of the class consisting of ammonia and amines having at least one hydrogen attached to amino nitrogen, an unsaturated hydrocarbon compound containing a non-benzenoid double bond between carbon atoms, and a catalytic quantity of cobalt metal into a pressure resistant vessel, and heating the resulting mixture at a temperature within the range of 50 to 350° C., under a reaction pressure in excess of 50 atmospheres, whereby a reaction product containing amines is produced, and thereafter separating from the said reaction product the amines produced by the said reaction.

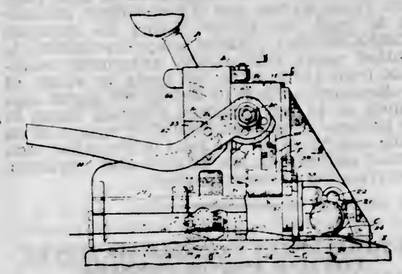
2,497,311
(5-CHLORO-2-THENOYL)-o-BENZOIC ACID
Henry R. Lee and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1947, Serial No. 723,665
1 Claim. (Cl. 260—329)

(5-chloro-2-thenoyl)-o-benzoic acid.

2,497,312
2-CHLOROTHIOPHANTHRAQUINONE
Henry R. Lee and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1947, Serial No. 723,667
1 Claim. (Cl. 260—329)

2-chlorothiophanthraquinone.

2,497,313
PACKAGE BINDING TOOL
John H. Leslie, II, Winnetka, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application December 15, 1943, Serial No. 514,343
7 Claims. (Cl. 81—9.1)

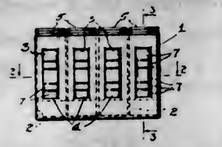


1. A package-binding tool of the type having a binder tensioning mechanism, an actuating handle therefor, and a gripper for anchoring one end of the binder against the pull of the tensioning mechanism; characterized by a spring biasing the anchoring gripper toward closed binder-anchoring position, a lever for moving the anchoring gripper to open binder receiving position, a cam lug on said lever, and a cam lug movably mounted on said tensioning mechanism actuating handle, the latter lug transiently engaging the first mentioned lug when the tensioning mechanism actuating handle is moved in one direction so as momentarily to open the anchoring gripper for insertion of the binder and then moving on the actuating handle to pass over said first mentioned lug without opening the anchoring gripper when the actuating handle is moved in the reverse direction.

2,497,314
MANIFOLD HOLDER FOR LIPSTICKS OR OTHER COSMETIC CONTAINERS
Philip Libson, Brooklyn, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application June 14, 1949, Serial No. 99,078
6 Claims. (Cl. 132—79)

1. In a manifold holder and a plurality of cosmetic containers therefor, a casing having a plu-

rality of cavities and windows in the wall of the casing each window opening into a cavity and individual cylinder removably fitting into each cavity and having a portion of its surface exposed



through the window thereof and a color arrangement on the exterior of each cylinder which bears a predetermined color relation to the color of the cosmetic in the cylinder and the type of the prospective user.

2,497,315

OXYGENATED ORGANIC POLYMERS

Donald J. Loder and William F. Gresham, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application May 6, 1941, Serial No. 392,128. Divided and this application December 30, 1944, Serial No. 570,772

7 Claims. (Cl. 260—2)

1. A process for the preparation of solid polymers from glycols and 1,3-dioxolane containing at least two groups having the structure —$CH_2OCH_2CH_2O$— which comprises reacting in solution under substantially anhydrous conditions from about 48 to 740 parts by weight of 1,3-dioxolane per part by weight of a glycol containing up to and including 8 carbon atoms in the presence of at least 0.001% by weight of an acidic catalyst, after the solid polymer has been formed neutralizing the catalyst and thereafter recovering the polymeric products.

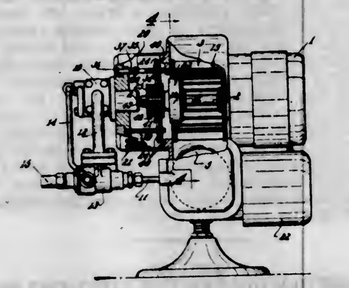
2,497,316

AUTOMATICALLY VARIABLE AIR SUPPLY CONTROL FOR OIL BURNERS

Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass., a corporation of Massachusetts

Application May 24, 1946, Serial No. 672,106

4 Claims. (Cl. 158—28)



1. In an oil burner, a fan, a casing therefor having an inlet and an outlet, an oil pump, a motor connected to drive the fan, a transmission between the pump and motor, a centrifugal clutch in the transmission for driving the pump only when the fan is operating at its high speed, constant high pressure oil atomizing means to control the oil supply from the pump for meeting the air from the fan outlet, in combination with a shutter mechanism for controlling the air at the fan inlet, said mechanism comprising an annular shutter, hand operable precision means to adjust the rim of the shutter in relation to the rim of the fan inlet opening, automatic means at the central opening of the annular shutter to control air flow through such opening, said means comprising a supplementary fan operatively connected to the driven side of said centrifugal clutch and operable when rotating to oppose the action of the first-named fan with a tendency to move air from the inner to the outer side of the shutter when and only when the oil pump is operating, said first-named fan being operable to draw air at one rate through said central opening from the outer to the inner side of the shutter to supplement the air supplied around the rim of the shutter when the main fan is speeding up or slowing down in starting and stopping intervals of burner operation, said supplementary fan being operable to reduce the rate of air flow through said central opening when and only when the oil pump is operating.

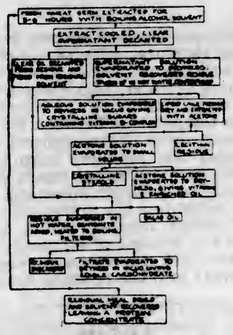
2,497,317

PREPARING VITAMIN E ENRICHED OIL

William Douglas McFarlane, Ste.-Anne-de-Bellevue, Quebec, Canada, assignor to Victory Mills Limited, Toronto, Ontario, Canada, a corporation of Ontario

Application June 17, 1947, Serial No. 755,146

2 Claims. (Cl. 167—81)



2. The process for preparing a vitamin E enriched oil from wheat germ comprising, extracting the wheat germ with a boiling alcohol-water solvent containing 88–92 per cent alcohol; cooling the extract to a lower temperature at which a major portion of the oils extracted from the wheat germ are thrown out of solution, said major portion being of such a nature that vitamin E is substantially insoluble therein; separating the said major portion from the cooled extract; removing the solvent from the cooled extract by evaporation; taking up the resulting residue in hot water and centrifuging to produce a lipoid phase and an aqueous phase, separating and drying the lipoid phase and extracting the same with acetone, separating the extract, and evaporating the remaining acetone from the solution to produce a vitamin E enriched oil containing the bulk of the vitamin E content of the original wheat germ.

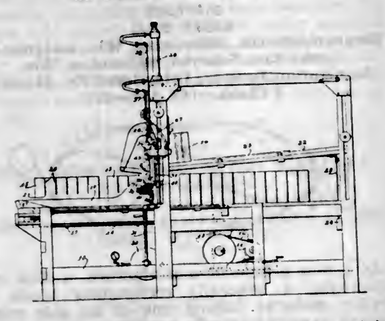
2,497,318

PARTITION STRIP ASSEMBLING MACHINE

John E. McLaughlin, Julius E. Wilske, and Francis A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application June 7, 1944, Serial No. 539,066

21 Claims. (Cl. 93—37)



1. Apparatus for assembling partition strips, comprising means for feeding strips to an assembly station, means for guiding a said strip in a predetermined path during its movement to the assembly station, an air-operated motor, means actuated by said motor for assembling said strips with other strips at said station, a master control valve controlling the operations of said motor, trip valve mechanism including a plurality of trip valves, an air pressure line extending to said master control valve, said trip valves having valve chambers connected in series in said pressure line, and dogs individual to said trip valves and mounted in position to actuate said trip valves, said dogs extending into said path in position to be actuated in a predetermined order by the said partition strip.

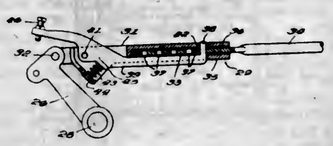
2,497,319

AUTOMATIC RELEASE-AND-CATCH COUPLING DEVICE

Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 20, 1946, Serial No. 663,712

6 Claims. (Cl. 74—593)



1. In a coupling device for establishing a releasable connection between a rockable structure and an elongated member having connecting sections distributed lengthwise thereof, a body for pivotal connection with said rockable structure and telescopic relation with said elongated member to incur a change in the angular relation between said structure and said body pursuant to rocking of said structure, connecting means on said body for connecting the same with said connecting sections but manipulatable thereon into a releasing position to release such connection, and means for so manipulating said connecting means pursuant to movement of said structure and body into a predetermined angular relation.

2,497,320

STABILIZED MILK PRODUCTS

Daniel K. O'Leary, Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 12, 1946, Serial No. 647,399

3 Claims. (Cl. 99—151)

1. A product of the group consisting of milk, condensed milk, evaporated milk, and dried milk to which has been added from 0.05 to 1% by weight of a 3-(mercapto) propionic compound having the linear structural formula

ROOCCH$_2$CH$_2$S—X

in which R is of the group consisting of hydrogen and hydrocarbon groups and in which the monovalent substituent X is an oxygenated hydrocarbon.

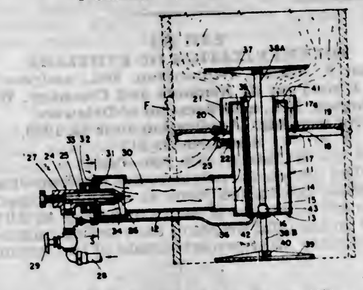
2,497,321

DEFLECTOR TYPE GAS BURNER

John R. Pattinson and Darwin G. Pattinson, Hutchinson, Kans.

Application April 1, 1946, Serial No. 658,826

3 Claims. (Cl. 158—113)



1. A gas burner comprising a partition plate adapted to divide a furnace fire-box into upper and lower zones, a burner body extending above and below said partition having inner and outer coaxial walls providing between said walls an annular mixing chamber for gas and primary air, and having a closure across the bottom of said chamber and across the inner wall thereof and having a constricted top discharge outlet; a coaxial collar mounted around the portion of said burner body extending through and above said partition; a movable flange adjustably positioned on the outer wall of said burner body below said partition adapted to admit a variable amount of secondary air from said lower zone to said upper zone for discharge adjacent the combustible gas mixture nozzle at the top discharge outlet of said burner body; a mixing tube connected to said annular mixing chamber below said partition; means for introducing regulated amounts of gas and of air into said mixing tube; and a horizontally disposed baffle disk positioned above said burner body.

2,497,322

MECHANISM FOR CONNECTING ENGINE GOVERNORS AND BY-PASS VALVES

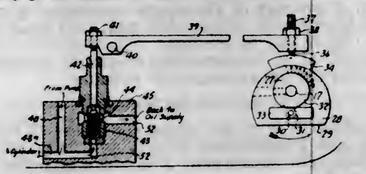
Edward Rathbun, Toledo, Ohio, assignor to The Rathbun-Jones Engineering Company, Toledo, Ohio, a corporation of Ohio

Application November 20, 1944, Serial No. 564,279

1 Claim. (Cl. 74—53)

An adjustable linkage for connecting an oscillatable control shaft to a mechanism to be actu-

ated thereby comprising a lever having a fulcrum intermediate its ends, means for operatively connecting a first end of the lever to the mechanism in such manner that rocking movement of said lever about its fulcrum will actuate the mechanism, a first disc for mounting concentrically on the control shaft, a second disc having an eccentrically positioned aperture therein in which said



first disc is positioned, a rotatable toothed pinion carried by one of said discs, teeth on the other of said discs meshing with the teeth of said pinion whereby rotation of said pinion causes relative rotation of said discs, a shoe riding on the periphery of said second disc, and an operative connection between said shoe and the second end of said lever.

2,497,323
POLYMERIZATION OF ETHYLENE
Milton J. Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1949, Serial No. 99,345
6 Claims. (Cl. 260—94.9)

1. The process for polymerizing ethylene which comprises heating ethylene at a temperature of 70° to 250° C. in the presence of 0.005% to 2.0%, based on the total weight of the reaction mixture, of a tertiary alkyl percarboxylate of the formula

$$R-O-O-\overset{O}{\overset{\|}{C}}-R'$$

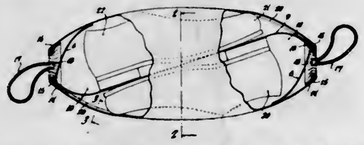
wherein R is a tertiary alkyl group and R' is a member of the class consisting of aryl hydrocarbon radicals, the number of carbon atoms in R' being not greater than 20, under a pressure above 25 atmospheres.

2,497,324
BRASSIÈRE
Irving Schenkman, Brooklyn, N. Y.
Application June 23, 1947, Serial No. 756,351
2 Claims. (Cl. 2—42)



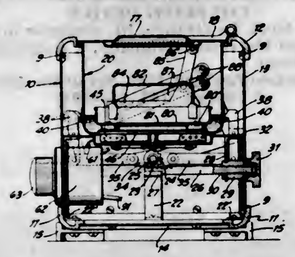
1. In a brassière having a bust receiving pouch enclosing an inner auxiliary sling section with a shoulder strap having its front end terminating at a point above the pouch, parallel lines of downwardly arched stitches securing the bottom edge portion of the sling section to the bottom edge portion of the pouch, a buckle mounted on the free front end of the shoulder strap, and a tape having its ends secured to the adjacent top edge portions of the pouch and sling section, said tape having its intermediate portion slidably extended through said buckle.

2,497,325
SHOE BAG
Stephen Scherba, Milwaukee, Wis., assignor to Emma Ross Scherba, Milwaukee, Wis.
Application June 22, 1944, Serial No. 541,617
1 Claim. (Cl. 150—52)



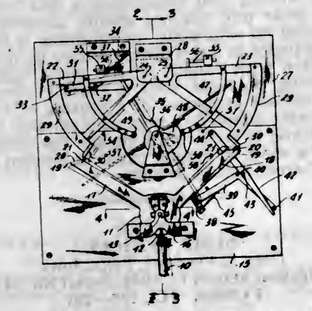
As a new article of manufacture, a shoe bag comprising a generally rectangular blank of flexible material having one of its side edges secured in a transversely extending diagonal line to a transversely extending intermediate portion of said blank and its other oppositely disposed side edge secured to a transversely extending partition-forming fold between the first edge and the connection of said front edge with said intermediate portion of the blank, forming a container having a diagonally disposed partition dividing it into two compartments, each compartment having an open end and a closed end of less area than its open end, said openings being at opposite ends of the container, and extensions on the partition-forming portion of the blank forming cover flaps for said openings.

2,497,326
STERILIZER
Emil R. Schlpanski, Gardena, Calif.
Application April 26, 1947, Serial No. 744,100
11 Claims. (Cl. 21—95)



1. Sterilizing apparatus of the class described including means forming a housing having an opening with a hinged lid; mechanism within said housing operatively connected to said lid, said mechanism having a handle portion extending outside of said housing operable to open said closure; a boiler within said housing adapted to pass through said opening; movable means within said housing to releasably secure said boiler therein; releasing means operatively associated with said securing means and extending outside of said housing whereby to permit selective manual operation of said securing means to secure or release said boiler; means in said housing to support said boiler on a relatively large bottom area thereof said support means being held in close heat exchange relation with said boiler by said movable securing means; heater means mounted in close heat exchange relation to said support means whereby to evenly heat said boiler through said support means; thermostatic control means for said heater including a temperature responsive element in heat exchange contact with said boiler and spring mounting means to urge said element against said boiler; a tray in said boiler adapted to hold articles for sterilization by liquid in said boiler; and support mechanism for said tray connected to said lid whereby to move said tray out of said boiler and housing in response to opening of said lid.

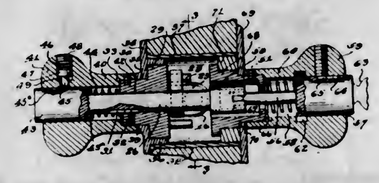
2,497,327
MECHANISM FOR IMPARTING IMPULSES TO PENDULUMS
Joseph R. Smith, Los Angeles, Calif.
Application December 19, 1945, Serial No. 635,894
5 Claims. (Cl. 58—124)



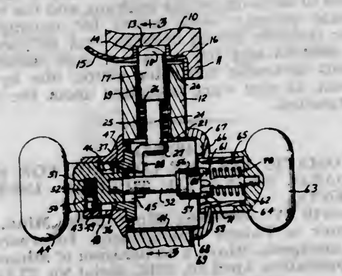
1. In a timing device, a pendulum, a spring suspending the pendulum from its axis of swing, a rocker having a pair of oppositely extending arms above the spring rigidly connected to each other and to the spring so as to be resiliently connected to the pendulum to move sympathetically therewith, each arm presenting a main impulse surface inclined to the radius therethrough from the axis of swing of the pendulum, the main impulse surfaces being of equal length, there being auxiliary surfaces at the ends of each main impulse surface which are more inclined to the mentioned radius than their respective main impulse surfaces, and means for applying equal impulses to the pendulum through said surfaces, each impulse applying means being adapted to engage the outermost auxiliary surface on its respective arm, then the main impulse surface thereon, and finally the innermost auxiliary surface whereby the impulses applied to each main impulse surface will be of equal magnitude, equal duration, and applied during the same portion of the swing of the pendulum and in a direction urging the pendulum through its spring suspension in the direction of its swing, and means for alternately releasing the impulse applying means for applying impulses to their respective arms.

2,497,328
DOOR LATCH
David C. Smith and Leroy I. Oblinger, Toledo, Ohio, assignors of thirty per cent to E. W. Sauers and thirty per cent to A. E. Giesey, both of Cleveland, Ohio
Application March 25, 1946, Serial No. 656,920
11 Claims. (Cl. 292—169)

1. A door latch comprising inside and outside door handles, a pair of aligned independently axially shiftable spindles connected to said handles respectively, each of said spindles being shiftable between two positions of adjustment, a latch bolt, means for retracting the latch bolt in response to turning movement of one of the spindles, means coupling said spindles when axially shifted to one of the positions of adjustment causing said spindles to rotate together for effecting retraction of said latch bolt, said last means being rendered ineffective when either of said spindles is axially shifted to the other position of adjustment enabling said spindles to be rotated independently of each other, and means continuously urging each spindle toward the coupled position of axial adjustment.

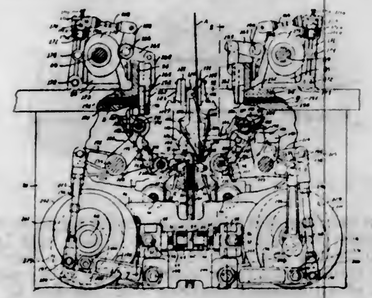


2,497,329
DOOR LATCH
David C. Smith and Leroy I. Oblinger, Toledo, Ohio, assignors of thirty per cent to E. W. Sauers and thirty per cent to A. E. Giesey, both of Cleveland, Ohio
Application May 21, 1946, Serial No. 671,223
6 Claims. (Cl. 292—169)



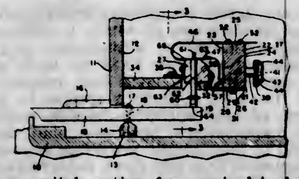
1. A door latch comprising inner and outer operating handles one of which is shiftable between two positions of adjustment, a pair of axially aligned spindles fixed to each of said handles respectively, a latch bolt, means for retracting the latch bolt in response to turning movement of said shiftable handle, contiguous concentric apertures of large and small diameter in the end of one spindle providing adjacent integral sleeves of thin and thick walls respectively, axial slots through the sleeve of greater wall thickness, radially extending projections on the end of the other spindle arranged to engage the slots in said slotted sleeve when the shiftable handle is in the normal position of adjustment causing the spindles to rotate together for latch retraction purposes, said projections being disengaged from said slotted sleeve when the shiftable handle is in the other position of adjustment enabling said spindles and handles to rotate independently of each other.

2,497,330
APPARATUS FOR MAKING CEMENTED PILE FABRIC
Paul S. Smith, Carlisle, Pa., assignor to C. H. Masland & Sons, Inc., Carlisle, Pa., a corporation of Pennsylvania
Application August 20, 1946, Serial No. 691,795
40 Claims. (Cl. 154—1.1)



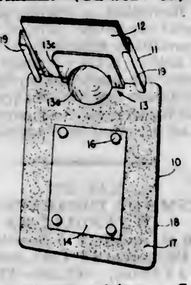
1. In a machine for making cemented pile fabric in which a warp is passed to and fro to the mouth of a confining passage for being plaited over severable separator strips for forming a plaited structure, the combination of a strip magazine; an upper transfer device, movable between a strip-receiving position and a strip-delivering position; means for moving said upper transfer device between said positions; means for feeding strips, one by one, from said magazine to said upper transfer device in strip-receiving position; a lower transfer device, movable between a strip-receiving position, in which it makes contact with a strip carried by the upper transfer device in strip-delivering position, and the mouth of said passage; and means for moving said lower transfer device between said strip-receiving position and the mouth of said passage, to deposit severable separator strips, one by one, therein, as said warp is plaited about the strips so deposited.

2,497,331
AUTOMATIC VOLUME CONTROL FOR KEYBOARD OPERATED MUSICAL INSTRUMENTS
Ellsworth W. Swedien, Minneapolis, Minn., assignor to Patent Management, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application April 26, 1948, Serial No. 23,373
14 Claims. (Cl. 84—1.26)



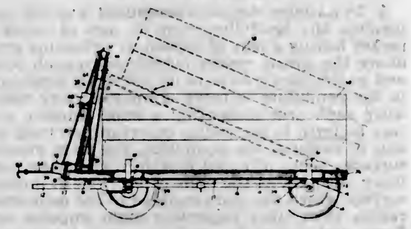
1. In a switch action for musical instruments, an elongated support, a plurality of spaced juxtaposed grooves in a face of said support, a number of key actuated switches including a number of elongated contacts disposed in said grooves and having contact portions disposed in a common surface, a plurality of switch blades having movable contacts movable substantially in said surface and across said elongated contacts to successively make contact therewith and impedances between certain of said contacts.

2,497,332
MAGNETIC WRITING PAD
Macy O. Teeter, New Castle, Ind.
Application December 29, 1945, Serial No. 638,105
4 Claims. (Cl. 281—44)



1. A writing pad comprising a flat magnetic metal plate and magnet means adapted to be positioned on said plate for retaining a sheet of writing paper in flat writing position by magnetic attraction with respect to the plate, said plate also being provided with a slightly roughened upper surface composed of a coating of ferrosoferric oxide adapted to present a suitable writing surface and to frictionally engage the under surface of a sheet of writing paper to prevent movement thereof during writing.

2,497,333
DUMP VEHICLE
Gary J. Vermeer, Pella, Iowa
Application March 12, 1948, Serial No. 14,559
1 Claim. (Cl. 298—19)

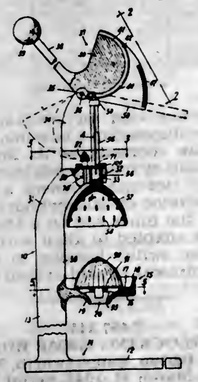


A dump wagon comprising, a main frame, a dump frame pivotally mounted at the rear end of said main frame for tilting movement, means for tilting said dump frame including an upright frame at the front end of said main frame having a pair of transversely spaced upright members, a first pulley means adjacent the top of said upright frame, a second pulley means adjacent the front end of said dump frame, a third pulley means on said main frame arranged forwardly of said upright frame, a flexible lifting means movably supported on said three pulley means having one end attached to said upright frame and an opposite end extended outwardly from said third pulley means to provide for a lifting of said dump frame in response to a pulling force on said opposite end of the lifting means, means for releasably locking said dump frame in a raised position therefor including a catch member on the front end of said dump frame, a gravity actuated latch member pivotally supported at the top of said upright frame for pivotal movement between said spaced upright members, and a transverse stop member on said upright frame engageable with said latch to limit its pivotal movement in one direction at a position for engaging said catch member, said latch member, on lifting of said dump frame, being initially engaged and moved by said catch member in an opposite direction and then moved by gravity into said catch engaging position to lock said dump frame against downward movement.

2,497,334
PREPARATION OF THIOPHANTHRAQUINONE
Viktor Weinmayr, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1947, Serial No. 723,664
2 Claims. (Cl. 260—329)

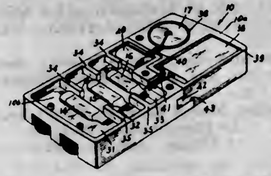
1. A process for preparing thiophanthraquinone which comprises heating phthalic anhydride and thiophene in nitrobenzene and in the presence of aluminum chloride at temperatures of from 30° to 70° C., continuing the heating until the condensation is essentially complete as evidenced by substantial cessation of the evolution of hydrochloric acid gas, and effecting ring-closure of the resulting (2-thenoyl)-o-benzoic acid without isolation from the nitrobenzene by heating in the presence of aluminum chloride at temperatures of from 120° to 125° C.

2,497,335
CITRUS FRUIT SQUEEZER WITH ROTATING AND RECIPROCATING CUP
Benjamin F. Wissner, New York, N. Y.
Application July 24, 1944, Serial No. 546,326
11 Claims. (Cl. 146—3)



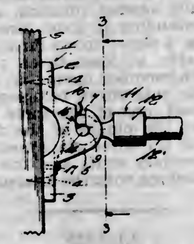
11. A juicer comprising a stand, a reamer supported on the stand, an inverted cup above the reamer and coaxial therewith means for supporting the cup for movement toward and away from the reamer and for rotation about its axis, a lever pivoted to the stand, means operable upon one stroke of the lever to move the cup from its position remote from the reamer toward the reamer, a substantial portion of the total length of movement of the cup and into position for engaging the fruit without turning the cup, means for rotating the cup, and means operatively connecting the lever and said last mentioned means to rotate the cup at least one revolution during continued movement of the cup longitudinally toward the reamer.

2,497,336
CASING FOR UNITARY HEARING AIDS
Don H. Young, West Hempstead, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application October 31, 1946, Serial No. 706,827
1 Claim. (Cl. 179—107)



A case for supporting elements of an electronic tube hearing aid, including the microphone, "A," "B" and "C" batteries, tubes, transformer, associated elements and wiring of an electronic hearing aid device, comprising a first block-like portion, a second block-like portion, means detachably connecting said portions in end-to-end relation to form a generally rectangular block-like member, means forming recesses in said first block-like portion receiving and substantially fitting said "A" and "B" batteries, means forming recesses in said second block-like portion receiving said "C" batteries, microphone, tubes, associated elements and a part of said wiring, and aligned channels in both of said block-like portions receiving wiring for connecting said batteries to the elements in said second block-like portion, and cover portions secured to and overlying said recesses in said block-like member.

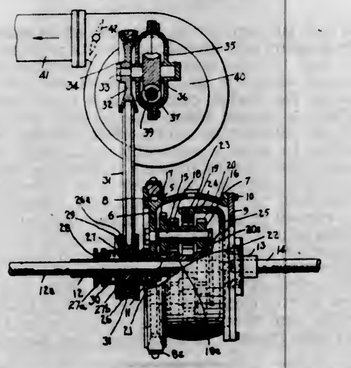
2,497,337
AWNING HINGE
Duane S. Ackerman, Topeka, Kans.
Application May 3, 1946, Serial No. 667,234
2 Claims. (Cl. 16—172)



1. In an awning frame hinge, a mounting bracket comprising a base portion adapted to be fastened to a support, and a pair of spaced arms projecting at right angles from said base portion, said arms having transversely alined slots extending through their upper edges and being enlarged at their inner end portions; and a complemental fastener element comprising a socket portion adapted to be connected to an awning frame rod, a stem portion projecting axially of the socket portion and adapted to occupy the space between said pair of mounting bracket arms, and a pin extending transversely through said stem to occupy the enlarged inner end portions of the bracket arm slots for pivotally connecting the fastener element to the mounting bracket, each end portion of said pin being flattened on one side to provide a reduced diameter substantially equal to the width of the entrance portion of its cooperating bracket arm slot so that the pin end

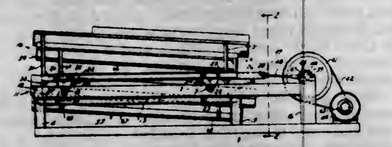
portions may be moved into and out of said slots only when the fastener element occupies a certain angular position with respect to the plane of the mounting bracket base.

2,497,338
MEANS FOR AUTOMATICALLY AND PROGRESSIVELY REGULATING VEHICLE SPEED
Flory Baron, Marseille, France, assignor of twenty-five per cent to Leon Mingaud, Long Island City, N. Y.
Application March 13, 1946, Serial No. 654,156
In France April 26, 1945
1 Claim. (Cl. 74—752)



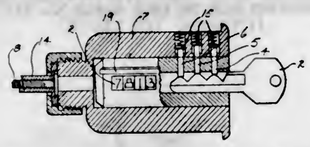
In a transmisison, a driving shaft, a driven shaft, and a hollow auxiliary shaft turning freely on the driving shaft, a first pinion keyed to the auxiliary shaft, at least one second pinion keyed to the driving shaft, a housing, turnably mounted on the auxiliary shaft, means for blocking the housing against rotation, a plurality of stud shafts extending in axial direction secured to the housing, a sleeve freely turning on each of said stud shafts, at least three gears on said sleeve, a crown member having an internal gear in said housing, said crown being connected with the driven shaft, one of the three gears of the sleeve meshing the pinion of the driving shaft, a second one of the three gears meshing the pinion of the auxiliary shaft and the third of the three gears meshing with the internal gear of the crown.

2,497,339
PNEUMATIC STRATIFIER
Gaston A. Bastanchury, Pittman, Nev.
Application July 9, 1948, Serial No. 37,740
3 Claims. (Cl. 209—469)



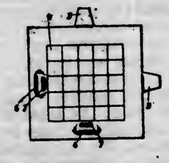
1. In a machine for separating particles of different specific gravity in loose material, the combination of: a frame; a first rail member movable longitudinally of the frame; an oscillatable lever having three angularly related arms, the first arm of which supports said first rail member to adapt the same for oscillation therewith; a pair of vertically-spaced tables carried by said first rail member and each having a porous surface upon which the material rests and along which it is adapted to move; a pair of vertically-spaced bellows members each of which is suspended from one of said tables and adapted to force air through one of said surfaces to provide buoyancy for the lighter particles of material, each of said bellows members having a movable element; a second rail member carried by the second of said arms so as to be oscillatable longitudinally, said second rail member being operatively connected to the movable element of the upper bellows member so that oscillatory movement of said rail member is communicated to said movable element to actuate said upper bellows member; a third rail member carried by the third arm of said lever parallel to said second rail member and operatively connected to the movable element of the lower bellows member to oscillate the same; rotary operating mechanism connected to oscillate said lever, said operating mechanism being so constructed and disposed that it imparts angular movement to said lever in one direction at a faster rate of speed than in the other direction so as to cause the material to be propelled along said tables in the direction of its faster movement; and power means for rotating said operating mechanism.

2,497,340
COMBINATION ODOMETER AND IGNITION SWITCH
Otto Edward Becker, Los Angeles, Calif.
Application February 25, 1947, Serial No. 730,869
1 Claim. (Cl. 235—1)



In combination with an ignition switch and odometer drive disposed in a housing, a cylindrical body having an odometer at its inner end, the outer end of said cylinder comprising a lock cylinder with key slot and tumblers, a longitudinal slot on the exterior of said cylindrical body extending from the inner end to a transverse cam slot, said slots adapted to align with a fixed pin in said ignition switch housing to permit rotation and withdrawal of said cylindrical body.

2,497,341
INTERLOCKING GAME BOARD
Leo J. Bisson, Somersworth, N. H.
Application March 31, 1948, Serial No. 18,096
1 Claim. (Cl. 273—130)



In a set of polygonal playing cards a polygonal card having in two of its angularly adjoining edge portions a pair of trapezoidal slots which are parallel to the edges of the card, and the card being

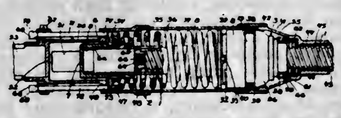
provided with tapered tongues extending laterally from the remaining edge portions, the slotted edge portions being upwardly bulged, and each of said tongues being adapted for interlockingly engaging the pair of slots in an edge portion of one of the other cards.

2,497,342
EGG SHELLER
George B. Brustolon and John E. Hoey, Groton, Conn.
Application October 15, 1946, Serial No. 703,352
2 Claims. (Cl. 30—356)



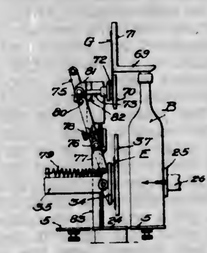
1. An egg sheller of the class described comprising a handle provided at one end with a longitudinally bowed highly flexible stainless steel blade which is bendable lengthwise and axially twistable to adapt same to conform to variable contours between the white and shell of a hard-boiled egg, whereby to dislodge said white properly from the shell by severing the usual intervening membrane-skin, in a manner to facilitate quick and convenient skinning and removal of the shell, the free outer end of the blade being rounded in a transverse direction and the cross-section of said rounded end portion being such as to provide convex longitudinal surfaces on opposite sides, the intermediate portion of said blade being flat on one side and convex on the other side.

2,497,343
AUTOMATIC SLACK ADJUSTER FOR BRAKES
Axel Georg Hjalmar Carlbom, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application December 4, 1945, Serial No. 632,720
8 Claims. (Cl. 188—202)



1. In an automatic slack adjuster for brakes of the character described, the combination comprising a two-part brake rod one part of which is in the form of a tubular rod and the other part of which is in the form of a non-self-locking screw-spindle axially movable in the tubular rod, and means for controlling the relative movements of the screw-spindle and the tubular rod, comprising a coupling nut screwed on the screw-spindle and housed in the tubular rod for coupling the screw-spindle to the tubular rod during application of the brake, a tubular operating member housed in the tubular rod and adapted to be moved axially in relation thereto in one direction during application of the brake, spring means for returning the operating member in the other direction in relation to the tubular rod during release of the brake, actuating means for compressing said return spring means during application of the brake, an adjusting nut screwed on the screw-spindle and housed in the tubular operating member for coupling the screw-spindle to the tubular operating member during release of the brake, and a slip friction clutch provided between the adjusting nut and the tubular operating member and compressed by said return spring means for controlling the axial force required on the adjusting nut for moving it on the screw spindle by said return spring means during the return movement of the operating member.

2,497,344
BOTTLE LABELER WITH NECK LABEL GAUGE
Paul Louis Chelle, Paris, France
Application February 14, 1946, Serial No. 647,563
In France June 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 10, 1963
6 Claims. (Cl. 216—13)



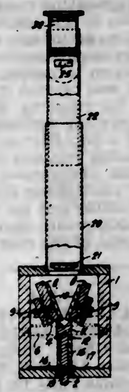
1. In a bottle labeller, a pair of drive wheels, a pair of vertical pivot means for mounting said wheels respectively, an endless chain passing around said wheels and being positioned with its two flights in substantially the same horizontal plane, intermittent drive means for intermittently driving one of said wheels and said chain, a plurality of bottle engaging means carried by said chain, pushing means for releasing bottles carried by a first one of said flights from said flight and pushing the same through a labelling position located between the two flights of said chain to engagement with the second one of said flights, means for actuating said pushing means during the interval when said chain is immobile under said intermittent drive, principal labelling means adapted to apply a main body-label to the body of the bottle when said bottle is located in said labelling position between the two flights of said chain, means for operating said principal labelling means and means for controlling said intermittent drive means, said actuating means and said operating means strictly sequentially in timed order.

2,497,345

APPARATUS FOR FINE MEASUREMENTS SUCH AS COMPARATORS AND EXTENSOMETERS

Reginald Stanley Clay and James Alfred Moore, Mill Hill, London, England, assignors to United Kingdom Optical Company, Limited, London, England

Application December 11, 1944, Serial No. 567,620
In Great Britain February 14, 1944
3 Claims. (Cl. 33—169)



2. A comparator comprising a base to be supported from a reference surface in spaced relationship thereto, a feeler pin movably mounted on the base to make contact with a surface displaced from the reference surface by a dimension to be measured, two mirrors set normally at an angle which is a sub-multiple of 180° and mounted to pivot about axes supported by the base and substantially parallel to the intersection line of the planes of their reflecting faces, and the mirror edges nearest to the intersection line of their planes being in close proximity, a head on the feeler pin divided by a notch to form two elements each normally in contact with one mirror structure at a small distance from its respective pivot axis, the distances from contact point to pivot axis being in opposite directions in the two mirrors, and the pivot axes of the mirrors, the contact points of the pin head elements with the mirror structures and the edges of the mirrors nearest the intersection of their planes all lying substantially in the same plane, means for producing two optical images of a marking by successive reflection in the mirrors one by light impinging first on one mirror and one by light impinging first on the other mirror, the said images being coincident when the mirrors are in their normal positions, and means for observing the relative shift of the two images due to any departure of the angle between the mirrors from its normal value.

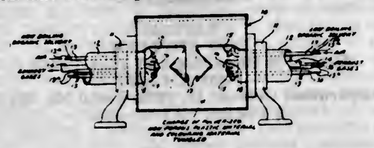
2,497,346

COLORING METHOD FOR PLASTICS

Henry M. Collins, Vaughan, Ontario, Canada, assignor to Reliable Plastics Company, Limited, Toronto, Ontario, Canada

Application October 29, 1946, Serial No. 706,388
3 Claims. (Cl. 106—193)

1. A method of colouring a charge of pulverised non-porous plastic material within an enclosure which comprises the steps of, tumbling the charge within the enclosure with particles of finely divided colouring material to form a substantially homogeneous mixture of the charge and the colouring material, and during the tumbling operation distributing throughout said mixture a finely divided low-boiling point organic liquid which has solvent power for at least the plastic



material, to provide inter-adhesion of the plastic particles of the charge and the particles of the colouring material introduced, and lastly evaporating said low-boiling point organic liquid while tumbling continues and before consolidation of said plastic particles occurs by reason of the solvent action of the low-boiling point organic liquid.

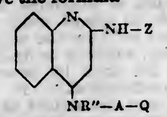
2,497,347

QUINOLINE DERIVATIVES

Francis Henry Swinden Curd, Justus Kenneth Landquist, Clifford Gordon Raison, and Francis Leslie Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 31, 1945, Serial No. 608,086. In Great Britain September 5, 1944
7 Claims. (Cl. 260—286)

1. A compound selected from the group consisting of the salts and free-base form of 2-arylamino-4-substituted quinolines, which in the form of free base have the formula



wherein Z stands for an aryl radical of the benzene series being devoid of acidic substituents, R'' designates a member of the group consisting of hydrogen and lower alkyl, A stands for an aliphatic radical devoid of acidic substituents, while the radical Q represents the N-radical of a nitrogenous base selected from the group consisting of lower monoalkyl amines, lower dialkyl amines and saturated heterocyclic amines.

2,497,348

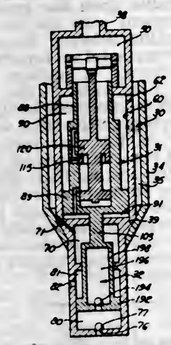
FLUID-OPERATED PUMP

Murray F. Ecker, Huntington Park, Calif., assignor to Pacific Pumps, Inc., Los Angeles, Calif., a corporation of California

Application July 18, 1947, Serial No. 761,977
18 Claims. (Cl. 103—46)

1. In a fluid-operated pump having supply means for supplying relatively high pressure operating fluid thereto and having conduit means for conveying a product therefrom, the combination of: a pumping unit having a reciprocable differential-type pump plunger and adapted to discharge fluid into said conduit means on both strokes of reciprocation; a reciprocating differential-type fluid-operated motor operably connected to said pump plunger to cause reciprocation of the same and having a discharge chamber for receiving spent operating fluid and outlet means from said discharge chamber to said conduit means, said motor being adapted to cause

a discharge of spent operating fluid through said outlet means on both strokes of reciprocation; hydraulically movable valve means for causing reversal of said motor adapted to discharge spent operating fluid to said discharge chamber at the end of each stroke of reciprocation of said motor



so as to cause continuous discharge of said spent operating fluid through said outlet means to said conduit means; means for controlling the rate of operation of said valve means; and means for controlling the deceleration and acceleration of said motor.

2,497,349

PRODUCTION OF ALICYCLIC ALCOHOLS

Adalbert Farkas, Philadelphia, Pa., and Andrew I. Smith, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application August 1, 1947, Serial No. 765,626
31 Claims. (Cl. 260—617)

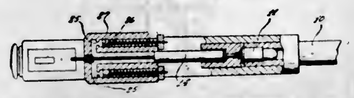
1. A method for the production of an alicyclic alcohol which comprises oxidizing in the liquid phase a saturated cyclic hydrocarbon having from 4 to 8 carbon atoms per molecule with a gas containing free oxygen to produce an oxidate containing the hydroperoxide of said cyclic hydrocarbon in substantial amount and reducing said hydroperoxide to form an alicyclic alcohol having the same carbon skeleton as said hydrocarbon.

2,497,350

PISTOL SHOCK ABSORBING DEVICE

Roman Ferda, Bronx, N. Y.

Application April 30, 1947, Serial No. 744,883
3 Claims. (Cl. 89—198)



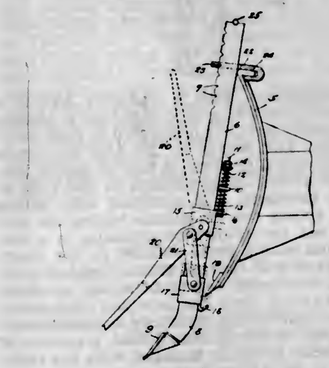
1. A shock absorbing device for guns and pistols comprising a plunger adapted to be pressed rearwardly upon the gun being fired, a chamber in which said plunger may be worked, a fluid receiving chamber adjacent the plunger chamber having communication with the plunger chamber, a fluid medium operable in said chambers, and a spring biased plunger in said receiving chamber for returning the fluid and the plunger into a position to again receive the shock of a second bullet, a throttle opening disposed in said communication between the two chambers whereby the fluid is throttled when passing between the chambers, said plunger being adapted to engage a firing pin to effect its actuation upon a bullet, a rod extending rearwardly of the plunger and through the fluid chamber wall for engagement with a lever controlled by a trigger mechanism.

2,497,351

QUICK REMOVABLE ROOTER ATTACHMENT FOR BULLDOZER MOLDBOARDS

Dean Fletcher, Wildomar, Calif.

Application November 5, 1948, Serial No. 58,394
2 Claims. (Cl. 37—145)



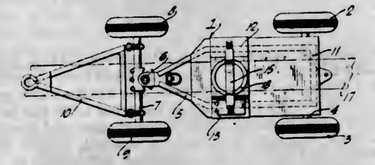
1. A rooter attachment for the mold board of a bulldozer, comprising a shank, a hook member adapted to hook over the upper edge of the mold board of the bulldozer, said hook member being adjustable longitudinally of the shank, a lower sleeve mounted for sliding movement on the shank, a hook on the lower sleeve adapted to engage the lower edge of the mold board, a second sleeve slidable on the shank, yieldable members on the shank and connected with the second sleeve, restricting movement of the sleeve longitudinally of the shank, a lever connected with the second sleeve, and a link connecting the lever with the first mentioned sleeve, whereby movement of the lever moves the sleeve and hook member into clamping relation with the mold board.

2,497,352

POLE TRANSPORTING DOLLY

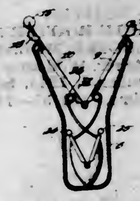
Marlin U. Gilbreath, Long Beach, Calif.

Application November 8, 1948, Serial No. 58,888
2 Claims. (Cl. 280—143)



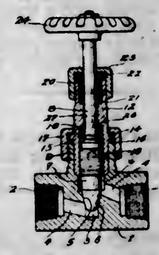
1. A pole transporting dolly comprising a flat platform, a pair of rear wheels mounted on the platform, a pair of front wheels pivotally mounted on the platform, and bolster resting on the platform, flanges on the bolster extending over the edge of the platform, whereby the bolster is slidably mounted on said platform, a saddle and a trunnion on the saddle journaled in said bolster.

2,497,153
U-FRAME FOR LADIES' HANDBAGS
Sally McDougall Henke, Brooklyn, N. Y.
Substituted for application Serial No. 587,946, April 12, 1945. This application September 3, 1949, Serial No. 114,007
1 Claim. (Cl. 150—2.9)



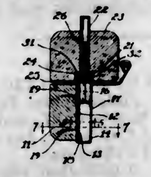
The combination with a handbag having a closure frame consisting of companion U-shaped frame members pivotally connected to each other and provided with means for latching the frame members in closed position, a pair of spring tension means having arms secured to the ends of the frame members and provided with spring coils, each spring tension means having an outwardly curved spring arm terminating in a lateral trunnion, and a purse secured in the handbag and having a closure frame consisting of companion U-shaped frame members pivotally connected to each other and provided with means for latching said frame members in closed position, the ends of the closure frame members of the purse being pivotally engaged with the trunnions of the spring tension means and said spring means being disposed in crosswise relation to provide means for opening the closure frame of the purse after said closure of the handbag is opened manually.

2,497,154
VALVE
James L. Hackathorn, Los Angeles, Calif.
Application March 2, 1945, Serial No. 580,555
1 Claim. (Cl. 251—49)



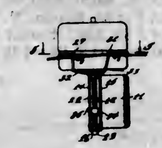
A valve structure of the character stated, comprising a body having a fluid passage therethrough and a valve seat intermediate the ends of the passage, a relatively long nipple integral with the body and opening inwardly into the passage and toward said seat, the nipple having a smooth inside wall surface and an inside shoulder adjacent to its inner end forming a sealing surface, an annular sealing surface formed at the outer end of the nipple, a relatively long bonnet having an axial bore therethrough, a shoulder encircling the bonnet adjacent to one end and formed to provide a sealing face, the bonnet at the inner end being formed to provide an annular sealing face, the portion of the bonnet between the shoulder sealing face and the last mentioned sealing face lying within the nipple and snugly engaging said inner wall surface, the bonnet sealing faces each tightly engaging a nipple sealing surface, means secured to the nipple and engaging the shoulder to maintain said bonnet sealing faces against the nipple sealing surfaces, a valve stem extending through the bonnet, a valve upon the inner end of the stem for engagement with the body valve seat, a threaded coupling between the stem and the bonnet for effecting axial movement of the stem upon rotation thereof, a packing between the stem and the outer end of the bonnet, said threaded portion of the stem being of enlarged diameter, the portion of the stem which is of enlarged diameter having that end remote from the valve end of the stem formed to provide an encircling tapering sealing face, and the bore of the bonnet being formed to provide a tapering sealing seat around the stem, said tapering sealing face being adapted to tightly contact the tapering sealing seat when the stem is axially shifted to a predetermined extent outwardly in the opening of the valve.

2,497,355
FISHING FLOAT
Arthur H. Hagen, Globe, Ariz.
Application July 15, 1947, Serial No. 760,972
14 Claims. (Cl. 43—43.11)



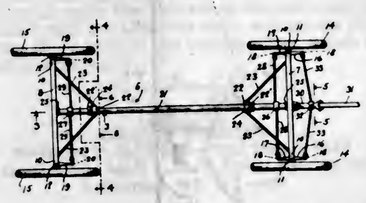
1. A fishing float comprising a main float section, a cylindrical float section rotatable on said main section and formed with a peripheral groove, a screw movable axially of said cylindrical section by rotation of the latter, and stop means for limiting axial movement of said screw to prevent rotation of said cylindrical section.

2,497,356
FISHING FLOAT
Arthur H. Hagen, Los Angeles, Calif.
Application September 8, 1948, Serial No. 48,260
7 Claims. (Cl. 43—43.11)



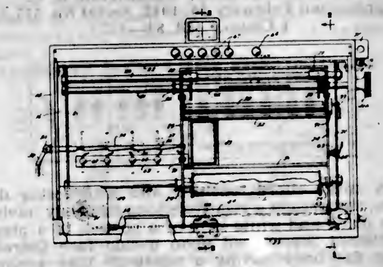
1. A fishing float comprising a main float section, a cylindrical float section, means rotatably mounting said cylindrical float section on said main float section, a track carried by said main float section, a screw carried by said cylindrical float section and extending axially from said cylindrical float section along said track, a stop member threaded on said screw and slidable along said track but held against rotation relative thereto, and stop engaging means on said track to arrest movement of said member and thereby prevent relative rotation of said float sections.

2,497,357
LAND VEHICLE STEERING MECHANISM
Guss Hunt, Francisco, Ind.
Application March 26, 1948, Serial No. 17,213
1 Claim. (Cl. 280—99)



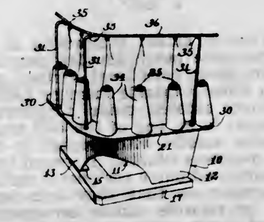
A four wheel land vehicle comprising, front and rear axles having fork shape outer ends, front and rear spindles including heads journalled between the fork shape ends of the axle, forwardly and rearwardly extending arms formed on the heads of the front spindles, forwardly extending arms formed on the heads of the rear spindles, a cylindrical reach pole rigidly connecting opposed inner surface of the front and rear axles, a tube rotatably mounted on the cylindrical reach pole with its opposite ends spaced from the front and rear axles, anti-friction bearings disposed on the reach pole between the ends of the tube and aforesaid axles, sleeves loosely surrounding the tube inwardly of the axles, diverging brace rods securing the sleeves to the axles, collars secured on the tube adjacent the front and rear sides of the sleeves, anti-friction bearings mounted on the tube between the aforesaid sleeves and collars, downwardly extending arms secured to the sleeve adjacent its opposite ends, oppositely extending links pivotally connecting the rearwardly extending arms of the front spindles to the forward arm of the tube, other oppositely extending links pivotally connecting the forwardly extending arms of the rear spindles to the rear downwardly extending arm on the tube, a draft bar pivotally connected to the front axle, and oppositely extending links pivotally connecting the draft bar to the forwardly extending arms of the front spindles.

2,497,358
CAMERA FOR MAKING SUCCESSIVE EXPOSURES ON A FILM TRANSVERSE TO THE LENGTH THEREOF
Kenneth P. Huntzinger, Pendleton, Ind.
Application March 15, 1947, Serial No. 735,012
4 Claims. (Cl. 95—37)



1. In a camera, a casing, a lens supported by said casing, a carriage mounted in said casing for movement lengthwise thereof and having means for supporting a film, spring means acting constantly on said carriage to move the same to and yieldingly retain the same at the limit of its movement in one direction, means manually operable from the exterior of said casing for moving said carriage step by step in the other direction and against the action of said spring means to position successive portions of said film in line with said lens, a retaining bar pivotally mounted on an end wall of said casing, extending inwardly therefrom across a part of said carriage and biased toward said part, said bar having a longitudinal series of shoulders to successively engage said part of said carriage as the latter is moved against the action of said spring means and prevent the movement of said carriage by said spring means, said bar having inclined edge portions between adjacent shoulders to engage said part of said carriage and elevate said shoulders and permit said part of said carriage to pass beneath said shoulders successively, and means for actuating said bar to release said carriage for movement by said spring means.

2,497,359
STAND FOR SPOOLS
Henry Joseph Isabelle, Sr., Fitchburg, Mass., assignor of one-half to Jerry Asher, Fitchburg, Mass.
Application August 19, 1947, Serial No. 769,495
5 Claims. (Cl. 112—218)

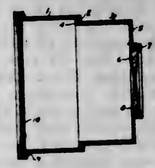


1. A stand for spools comprising a vertically disposed base member formed of a single sheet of metal, said sheet being bent intermediate the ends thereof at substantially a right angle, a section of the angular portion of the base member being cut away to provide a window, inturned flanges at the bottom edge of the base member at opposite sides of the window adapted to be secured to the corner of a sewing table, outturned flanges at the top edge of the base member, a top plate L-shaped in plan secured to the top flanges of the base members, vertically disposed spindles mounted on the top plate, and means on the top plate for guiding the thread.

2,497,360
OPTICAL VIEWING INSTRUMENT HAVING NEGATIVE LENS AND GRID SCALE
Richard W. Justice, Belvedere, Calif.
Application April 16, 1946, Serial No. 662,581
2 Claims. (Cl. 88—1)

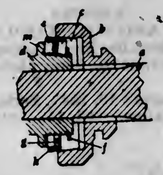
1. An optical instrument in the class described, comprising a telescoping body having a reduced aperture in one end; a negative lens mounted in and closing said aperture; a transparent closure in the opposite larger end of said body and having visible grid lines disposed upon its surface said grid lines being positioned a distance sub-

stantially equal to the focal length of said negative lens away from said lens, so that the area



of said grid lines appears in a reduced scale on the area of said lens.

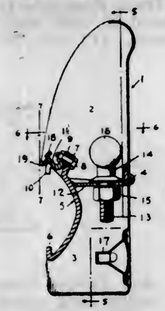
2,497,361
ROLLER TYPE FRICTION CLUTCH
Henry Martin Kesterton, Wroxall, near Warwick, England
Application September 13, 1945, Serial No. 616,614
In Great Britain November 17, 1944
4 Claims. (Cl. 192—44)



1. A friction clutch comprising in combination a rotatable outer annular member having a tapered inner peripheral surface of circular form, an inner rotatable member having a correspondingly tapered outer peripheral surface of polygonal form, one of the two members being slidable axially with respect to the other, wedging members situated in spaced relationship on the polygonal outer peripheral surface of the inner member so that they can serve when brought by relative sliding movement of the inner and outer members into frictional contact with the inner peripheral surface of the outer member to transmit rotary motion between this member and the inner member, and a radially resilient cage of annular form mounted on the inner member and serving to retain the wedging members in position and to oppose centrifugal forces acting on the wedging members, the resilient cage being arranged to project circumferentially beyond the wedging members when the latter are out of contact with the inner peripheral surface of the outer member, so that when the clutch is brought into action the cage effects frictional engagement with the outer member before the wedging members, and is then contracted by the outer member to allow frictional contact between the outer and wedging members.

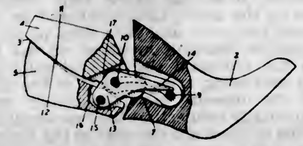
2,497,362
TRAILER HITCH GUARD
Gene Lachowicz, Detroit, Mich.
Application April 21, 1948, Serial No. 22,488
4 Claims. (Cl. 280—33.44)

1. In a device of the class described, the combination of a lower section provided on its front portion with bumper engaging means, said bumper engaging means including a hook, said bumper engaging means provided with a detachable bracket having bumper hooking means, a hitch post supported upon said lower section, and a hingedly mounted top section on said lower



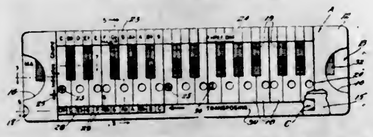
section and being adapted to substantially cover said hitch post.

2,497,363
LAST FOR SHOES
James Edwin Mackay, Street, England, assignor to C. & J. Clark Limited, Street, Somerset, England, a British company
Application November 15, 1948, Serial No. 59,999
In Great Britain October 22, 1948
4 Claims. (Cl. 12—136)



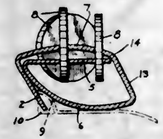
1. A three-part shoe last comprising a front portion and a two-part rear portion consisting of an upper rear part hingedly connected to said front portion so as to be rockable relative thereto and of a lower part connected by link means only to said upper rear part, so as to move backwards and forwards relative to said upper rear part, said link means being so constructed as to positively constrain said lower rear part to partake of a forward movement as said upper rear part rocks toward said front portion.

2,497,364
MUSIC CHORD INDICATOR AND TRANSPOSING DEVICE
John H. Mayberry, Washington, D. C.
Application February 10, 1945, Serial No. 577,226
1 Claim. (Cl. 84—473)



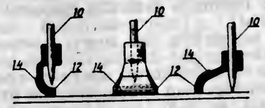
A music chord teaching and transposing device, comprising a relatively long flat body having the black and white keys of a portion of a piano keyboard reproduced upon a side face thereof, said flat body having a relatively long window opening formed therethrough across the front ends of the white keys of the said reproduced keyboard, through the extent of an octave, a relatively long slide member carried by the body upon the side opposite from the side upon which the keyboard is formed and having a face exposed through said window opening, said slide member having formed upon the said face thereof for exposure through said window opening, note letters for at least two octaves to be selectively associated with the adjacent keys, and means identifying those keys of the octave across which the window extends.

2,497,365
CHANGE HOLDER
Welburn T. McMurtry, San Diego, Calif.
Application April 4, 1947, Serial No. 739,392
4 Claims. (Cl. 211—89)



1. A change holder formed from a blank of sheet material, said holder blank being dimensioned for folding on parallel folding lines into an open-ended elongated formation with the width of the blank providing the length of the holder and with the folding effective to provide a three-wall formation in cross section of the holder, spaced zones of the blank forming the intermediate and upper walls of the holder with the lower wall of the holder formed from an intervening portion of the blank, the body portions of said walls being generally free from contact with adjacent walls, the upper and intermediate walls each having a plurality of slot formations with the slots in spaced relation, the slots of said walls being relatively positioned as to present corresponding slots of the two walls to be in registration in the folded holder, a registering slot formation of said upper and intermediate walls combinedly forming a support for an upstanding individual coin with a material portion of the coin exposed above the upper wall to thereby provide a plurality of upstanding coins in individually spaced relation and visually exposed for rapid individual visual selection under service conditions, said blank including an extension from the upper wall adapted to be folded downwardly and adapted to cooperate with a supporting element to support the holder in service position.

2,497,366
TALKING MACHINE NEEDLE
Amédée Nicole, Sainte-Croix, Switzerland, assignor to Hermann Thorens Societe Anonyme, Sainte-Croix, Switzerland, a firm of Switzerland
Application August 5, 1946, Serial No. 688,459
In Switzerland August 24, 1945
4 Claims. (Cl. 274—38)

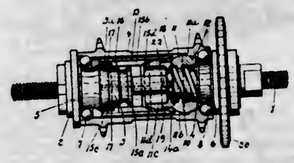


1. In combination with a talking machine needle having its pointed end adapted to engage the sound groove of a record, a sleeve of elastic and damping material fitted on the shank of the needle above its pointed end in close contact therewith, said sleeve being formed integral with a downwardly turned resilient lug bent under the point of the needle to prevent contact of said needle point with a record until upon rotation of the record said lug is drawn from under said point, said lug being adapted to remain in contact with the record when the needle point engages the sound groove of said record thereby to dampen the oscillations of said needle.

2,497,367
METHOD FOR PRODUCING OIL AND MEAL FROM FISH OFFAL
Olav Notevarp, Bergen, Norway, assignor to Aktieselskapet Stord, Lervik, Norway, a concern of Norway
No Drawing. Application November 20, 1946, Serial No. 711,222. In Norway January 26, 1942
4 Claims. (Cl. 99—2)

1. Method of producing fishmeal and oil from fish comprising reducing the moisture content of the fish to the range of 40 to 55% of moisture, pressing the fish material after proper heating to remove a liquid containing the oil and then drying the pressed fish residue.

2,497,368
FREEWHEEL HUB FOR BICYCLES
Gustaf Emil Olsson, Varberg, Sweden
Application February 26, 1947, Serial No. 730,908
In Sweden October 16, 1945
11 Claims. (Cl. 192—6)



1. In a wheel structure, a hollow hub, a shaft rotatably supporting said hub, a brake member fixed to said shaft, a coupling member movable axially on said shaft, a split brake sleeve expansible into contact with the interior of the hub, conical surfaces at both ends and the medial portion of the brake sleeve, and conical surfaces on the brake and coupling members coacting with each of the three first mentioned conical surfaces and operable, upon axial movement of the coupling member, to expand the brake sleeve uniformly from end to end against the hub.

2,497,369
METHOD AND APPARATUS FOR THE PRODUCTION OF FIBERS, IN PARTICULAR GLASS FIBERS
Ivan Peyches, Paris, France, assignor to Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
Application September 21, 1945, Serial No. 617,935
In France August 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 19, 1963
9 Claims. (Cl. 49—77.5)

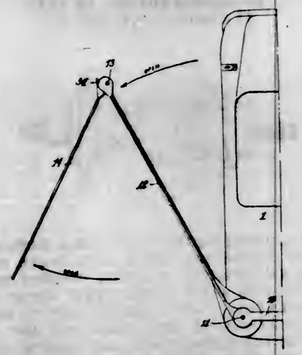
6. In combination with a device for the production of fibres from a vitreous material, a centrifuge having peripheral openings therein for containing the said material, means for heating the material in the centrifuge and an annular

burner surrounding the centrifuge to heat the issuing material through a limited zone remote



from the centrifuge, the burners being directed normally to the plane of issue of the material.

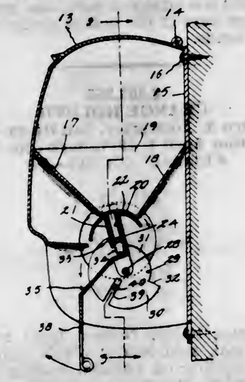
2,497,370
STARTING GATE FOR HARNESS HORSES
Stephen G. Phillips, Westbury, N. Y.
Application July 18, 1946, Serial No. 684,584
3 Claims. (Cl. 119—15.5)



1. A starting gate for harness horses comprising in combination an automobile, a pair of gate forming wing members on each side of the automobile, each pair of wing members consisting of an inner wing and an outer wing, means for pivotally supporting the inner wings on the automobile, means for hingedly connecting the outer wings to the free ends of the inner wings, and means on said wings for moving the same into a folded position on the automobile and for unfolding said wings to form a starting gate with said inner and outer wings in alinement and mechanism in the automobile for operating said wing moving means.

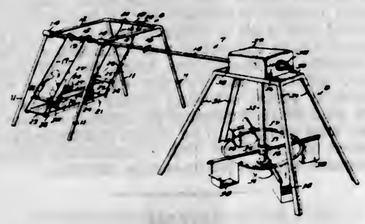
2,497,371
MATCH DISPENSER
Clarence E. Poister, Sabetha, Kans.
Application August 5, 1946, Serial No. 688,566
2 Claims. (Cl. 312—34)

1. A dispenser as set forth comprising a hopper having a lower discharge opening, a transversely arcuate gate closing said discharge opening, said gate including an elongated slotted radial guide, means rockably mounting said gate and guide below said hopper, a delivery member below said guide formed with an elongated slot adapted in one position of said delivery member to register with said guide whereby to receive a single article, means rockably mounting said delivery member,



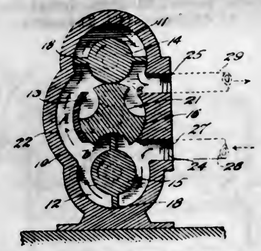
an operator fixed relative to said guide and gate, and means correlated with said hopper and said delivery member whereby to rock said delivery member reversely from said guide and gate, said delivery member being so formed whereby upon rocking thereof to delivery position the slot of said guide will be closed.

2,497,372
PLAYGROUND EQUIPMENT
Willie E. Price, Amarillo, Tex.
Application July 25, 1947, Serial No. 763,549
3 Claims. (Cl. 272—33)



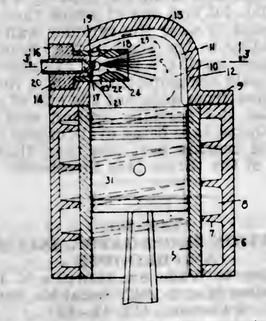
1. In a combination playground equipment, a swing supporting structure, an occupant actuated and occupant supporting swing supported for oscillating movement by said swing supporting structure, a shaft fixed to the swing at the pivot thereof for oscillating movement with the swing, said shaft being journaled in the swing supporting structure, a merry-go-round spaced from the swing and having a centrally disposed upright driving shaft, a merry-go-round supporting structure supporting the merry-go-round and in which the upright driving shaft is journaled, gear means mounted on the merry-go-round supporting structure and connecting the first mentioned shaft to said merry-go-round driving shaft, and clutch means operatively connected to the gear means for driving the upright driving shaft constantly in the same direction when the gear means is actuated by oscillation of the first mentioned shaft.

2,497,373
ROTARY FLUID MOTOR OR PUMP
Albert Z. Richards, Jr., Salt Lake City, Utah
Application March 1, 1946, Serial No. 651,151
5 Claims. (Cl. 103—125)



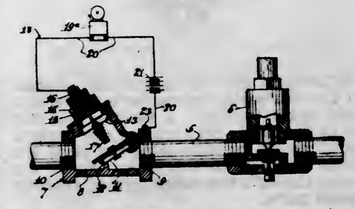
1. A rotary motor or pump mechanism for non-compressible liquids with a constant rate of flow and with a constant displacement volume comprising a casing provided with an inlet and outlet channel, piston rotor compartments in communication with a single abutment rotor compartment, one of said piston rotor compartments being in communication with the inlet channel and another communicating with the outlet channel, piston rotors provided with a cylindrical drum and with piston blades projecting therefrom within said piston rotor compartments, means for rotating them at an equal speed, the blades during rotation sliding along the compartment walls and subdividing the said compartments, an abutment rotor consisting of a drum in sealing contact with the drums of the piston rotors provided with recesses for the passage of the piston blades, means for rotating the abutment rotor, and a separate flow channel by-passing the abutment rotor compartment and connecting the piston rotor compartments in communication with the inlet and outlet channels respectively, for moving the non-compressible fluid continuously by the rotating pistons from the compartment connected with the inlet channel through the flow channel into the compartment connected with the outlet channel.

2,497,374
CATALYZING COMBUSTION CHAMBER FOR DIESEL ENGINES
Auguste Louis Marie Antoine Rouy, New York, N. Y.
Application November 25, 1944, Serial No. 565,145
3 Claims. (Cl. 123—33)



1. In an internal combustion engine, a body provided with a cylinder, a cylinder head detachably secured to said body and comprising a combustion chamber opening into said cylinder and a fuel injector leading into said combustion chamber, the latter being of parabolic cross section in an extending plane through the fuel injector axis and perpendicular to the cylinder axis at the end adjacent to the fuel injector and of heart-shaped cross section in the said plane at the opposite end, and a Venturi tube of catalytic material disposed in coaxial arrangement with said fuel injector adjacent the latter in said combustion chamber, said Venturi tube being adapted to operate as mixing member for the gas and air mixture, and a plurality of lateral parts provided in said Venturi tube in order to draw air from the combustion chamber into said tube due to the prevailing suction effect.

2,497,375
MEANS TO CHECK OPERATIONS OF STEAM TRAPS
Edmund L. Seguin and Mary Klein, Philadelphia, Pa.
Application June 11, 1946, Serial No. 675,882
1 Claim. (Cl. 177—311)

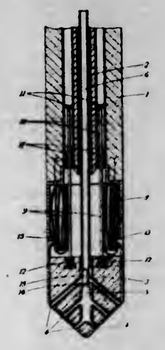


In combination, a steam line, a steam trap interposed in said line and ordinarily closed to hinder the passage of steam through the line and being opened by the accumulation of condensation to intermittently cause a flow of condensate past said steam trap, and means also interposed in said line behind the steam trap relative to the direction of steam travel, said means translating the mechanical functions of the steam trap and comprising a check valve, including a body and pivoted flapper, positioned to prevent return flow of the condensate passing through said check valve from said steam trap, and electrically operated signal means connected to the check valve to be actuated by the movements of the flapper.

2,497,376
PROCESS OF PRODUCING FILMS
John Cuthbert Swallow and Donald Kenneth Baird, Welwyn Garden City, and Bertram Pusey Ridge, Potters Bar, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 21, 1947, Serial No. 736,393. In Great Britain March 30, 1946
1 Claim. (Cl. 18—57)

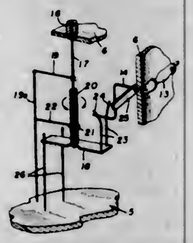
A process for the production of polymeric ethylene terephthalate films which comprises melting polymeric ethylene terephthalate, rapidly quenching it, dissolving the quenched polymer in a volatile solvent, depositing a thin layer of the solution on a smooth surface, evaporating the solvent from the layer at a rate sufficiently slow to prevent the formation of bubbles to form a film of the dissolved polymer, quenching the resulting film by immersion in cold water, stripping the quenched film from the smooth surface and thereafter orienting the film by drawing.

2,497,377
PILE
Philip Swann, Kildare, Hillbrow, Liss, England, and Reginald Henry Lothian Sung, Seria, Brunei
Application October 5, 1948, Serial No. 52,886
In Great Britain October 17, 1947
9 Claims. (Cl. 61—57)



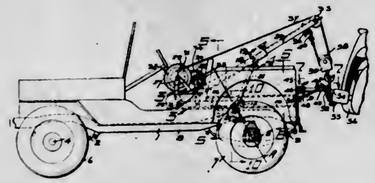
9. A two-part pile having a cavity formed between the two parts, means for initially securing the two parts together, a flexible bag initially folded in the cavity between the two parts of the pile, and means for separating the parts and introducing concrete to the folded bag to distend the same through the space formed between the separated parts.

2,497,378
HYGROMETER
Warren E. Talbott, Baltimore, Md.
Application May 23, 1947, Serial No. 749,904
2 Claims. (Cl. 73—335)



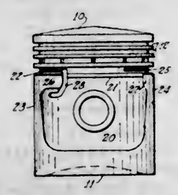
1. A hygrometer comprising in combination, a figure including a pivoted arm, a member responsive to changes in atmospheric conditions to produce a movement of the member, and means operatively connecting the member to the arm to actuate the latter, said member comprising a flexible twisting and untwisting strand suspended from a supporting structure, a horizontally swingable beam attached to the lower end of the strand, a tubular guide for the strand carried by the beam, a pair of spaced parallel rods carried at one end of the beam, and a crank having one end connected to the arm and its other end engaged between said rods for transmitting the motion of said strand to the arm.

2,497,379
CRANE ARRANGEMENT FOR WRECKING TRUCKS
Ercel C. Vandergrift, Sr., and Alfred Naffin, Detroit, Mich.
Application August 30, 1946, Serial No. 693,942
11 Claims. (Cl. 214—86)



1. A crane arrangement of the character described comprising a vehicle having a supporting frame thereon, a front boom portion pivoted thereon and adapted to extend upwardly and rearwardly from its pivot mounting, a rear boom portion pivoted on the front boom portion to extend rearwardly in alignment with the latter, said rear boom portion being also adapted to be turned forwardly about its axis to rest upon the front boom portion, a brace pivoted on the vehicle in front of the rear axle thereof adapted to support the boom portions in their upward and rearward positions, and hoisting means depending from the rear boom portion.

2,497,380
PISTON
William M. Venner, Clayton, and Percy L. Bowser, University City, Mo.
Application October 5, 1945, Serial No. 620,570
15 Claims. (Cl. 309—11)



1. A trunk piston one of whose thrust faces is partially separated from the head by a part-circumferential slot and one of whose faces is partially recessed to clear the cylinder wall over an area extending to the head in the region of one of the bosses, leaving a partial cylinder-bearing part below said circumferential slot, a retrograde slot extending from adjacent the end of said circumferential slot partially around said bearing part, said thrust face being oval-formed with the oval at said bearing part less than that of the remainder of the thrust face therebelow.

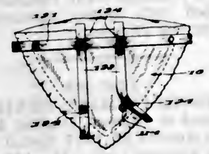
2,497,381
COMBINATION PROPAGATOR, INCUBATOR, AND BROODER
George H. Wade, Sr., Manville, N. J.
Application May 2, 1947, Serial No. 745,675
3 Claims. (Cl. 47—19)

1. In a combination incubator, plant propagator and brooder of the character described, an enclosure provided with a closed top and an open bottom, a plurality of legs, hinges connected to the inner side of the enclosure adjacent the open bottom thereof and to the upper ends of the legs to permit outward swinging movement of the legs to positions for substantially completely exposing said open bottom, and a demountable heating unit



removably mounted in the open bottom of said enclosure for heating the interior thereof, said legs being movable to substantially upright positions beneath the open bottom of the enclosure and engaging under and supporting the heating unit in the enclosure and for supporting said enclosure in an elevated position relatively to a supporting surface engaged by said legs.

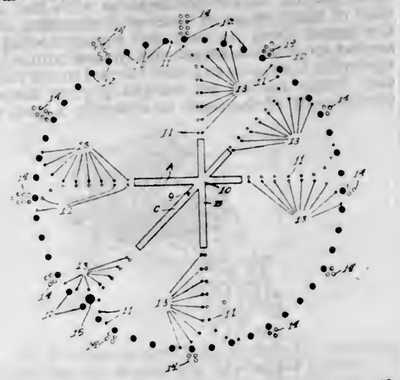
2,497,382
REPLACEABLE SHOULDER PAD FOR GARMENTS
Bonnie M. Weber, San Leandro, Calif.
Application February 12, 1947, Serial No. 728,163
5 Claims. (Cl. 2—268)



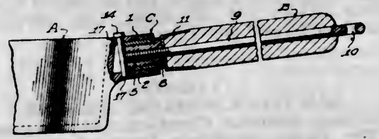
1. A removable shoulder pad construction for garments comprising a plurality of crossed tapes arranged in generally right angled relation adapted to substantially underlie and be secured to a garment along the lines of the shoulder and upper sleeve seams thereof, snap fastener elements secured to said tapes inwardly of the terminal ends thereof and at their intersection with other tapes and serving to secure said tapes together, a separable pad member, and cooperating snap fastener elements on one face of said pad member for detachable locking engagement with the fastener elements on said tapes.

2,497,383
VISUAL RUNWAY LOCATOR SYSTEM
Roger B. Whitaker, Miami Springs, Fla.
Application July 2, 1947, Serial No. 758,687
4 Claims. (Cl. 177—352)

1. The combination with an airport lighting system including illuminated runways, of a visual system comprising an enclosure of visual markers around the runways and visually marked approach paths curving inwardly from the enclosure markers and straightening out to a straight line paralleling and leading into the ends of said runways.



2,497,384
REMOVABLE UTENSIL HANDLE
Jonas L. Young, Catasauqua, Pa.
Application July 3, 1946, Serial No. 681,399
2 Claims. (Cl. 16—114)

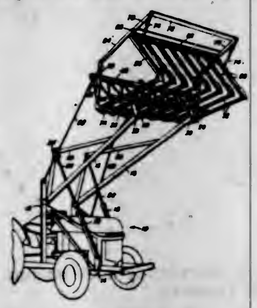


1. In a cooking utensil or the like, including a vessel and a removable handle, connecting means for said handle comprising a hollow socket member formed on the external wall of said vessel, a series of helical threads on the inner face of said socket, longitudinally interrupted on at least one side to form a threadless strip, a stem member fixed to said handle and having a series of complementary external helical threads which are longitudinally interrupted on at least one side to form a threadless strip corresponding to the threaded area of said socket, said stem member being insertable longitudinally in said socket member when the threaded areas of each member are aligned with the threadless strip of the respective other member, said stem being thereafter rotatable through a part only of one turn to effect interengagement of said threaded areas, the wall of said socket member being formed with diametrically opposed openings and the inner end of said stem member being provided with a transverse groove adapted to register with said openings, and a removable locking pin extending through said openings and said groove.

2,497,385
HINGED SWEEP OR BASKET FOR TRACTOR ATTACHMENTS
Thomas J. Young, Jennings Bryan Rambo, and Harold N. Young, Meridian, Idaho
Application January 26, 1948, Serial No. 4,304
1 Claim. (Cl. 214—140)

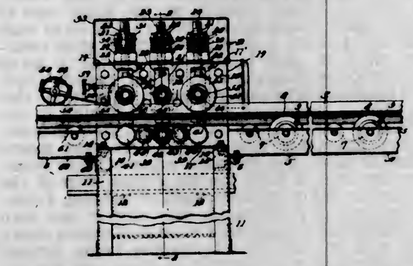
A basket construction for sweep rakes and stackers having elevating arms and power means to operate said arms, comprising a frame, a set

of spaced parallel elongated teeth secured to said frame, another set of spaced parallel elongated teeth having hinged connections with the outer ends of the first set of teeth and extending along the upper sides thereof, and means to tilt the second set of teeth about said hinged connections upwardly to discharge a load carried in the basket, said frame having an upright portion disposed transversely of the teeth to comprise a back wall



for the basket, said means to tilt comprising a cross member connected to each of said second mentioned teeth, a bell crank on said frame, a link between said bell crank and said cross member, and means to operate said bell crank, said last mentioned means comprising a hydraulic cylinder and piston operatively connected to said frame and to said bell crank, and operatively connected to said power means.

2,497,386
BAR STOCK MARKING MACHINE
Charles A. Zarobsky, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1943, Serial No. 511,337
4 Claims. (Cl. 101—5)



1. In a bar stock marking machine, power driven gripping roll means for feeding the bar stock in the direction of its length, a rotary roll in supporting engagement with the travelling stock at one side thereof, a frame member, a guideway on said frame, a slide block slideable in said guideway toward or from said roll, a presser bar, screw means attached to said block and threaded through said bar and adjustable to positively move the block toward or from said roll and from or toward said bar, spring means urging said bar and block toward said roll, and a marking roll rotatably supported on said block in position for engaging said stock at its opposite side and directly opposing the first mentioned roll.

2,497,387
MANUFACTURE OF FUSE POWDER AND FUSES
Henryk Zenftman, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 6, 1944, Serial No. 557,560. In Great Britain October 6, 1943
10 Claims. (Cl. 52—2)

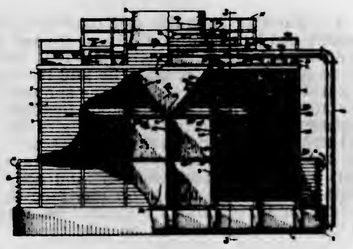
1. Fuse compositions comprising a pulverulent mixture of potassium nitrate, red lead and silicon, wherein the proportions by weight of the ingredients in the order named lie between 50–15%, 30–60% and 10–40%, respectively.

2,497,388
BOTTLE SEAL CUTTER
Michael F. Zuba, Avoca, Pa.
Application May 21, 1948, Serial No. 28,451
1 Claim. (Cl. 30—2)



A seal cutter of the character described comprising a pair of elongated members, each of said members being constructed at one end to provide a jaw, and at its opposite end to provide a handle, ears projecting inwardly from the medial portions of said elongated members, a pivot member pivotally connecting the ears, and a seal cutting blade carried by one of the jaws, and a coiled spring on the pivot member having its end portions bearing against said elongated members to hold said jaws in close relation, said elongated members being provided with offsets, against which the ends of the spring engage.

2,497,389
LIQUID COOLING DEVICE
Richard H. Ahrens, Olathe, Kans.
Application August 22, 1947, Serial No. 770,087
2 Claims. (Cl. 261—111)



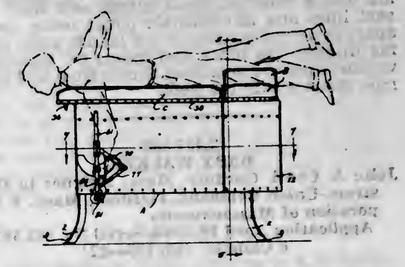
1. A liquid cooling device of the character described including a casing having spaced side walls and end walls connecting the side walls, said end walls being provided with air inlet openings in the lower portions of said end walls and the upper portions of said end walls being closed above said inlet openings, a partition extending transversely within the casing intermediate said end walls to divide the casing into cooling chambers disposed on opposite sides of said partition, said partition terminating short of the top of said walls, mist extracting baffles diverging above the top of said partition and forming a single air discharge chamber in connection with both cooling chambers, liquid distributing means at the top of the cooling chambers for distributing liquid to be cooled for gravitational flow into the cooling chambers in a plurality of streams, a liquid distributing and air directing means extending substantially horizontally of the upper end of the partition into each cooling chamber and terminating short of the closed upper portions of the respective end walls, lower liquid distributing and air directing means extending from said end walls above the air inlets and terminating short of the partition to cooperate with the other liquid distributing and air directing means and form tortuous passageways for flow of air from said inlets to said outlet chamber, a plurality of superimposed liquid dispersing decks extending transversely of the cooling chamber below the upper liquid distributing and air directing means and between the end walls and said baffles, similar decks extending from said end walls above and below said last named liquid distributing and air directing means, means forming an outlet for said air discharge chamber, a fan in said outlet forming means for effecting movement of air through the cooling chambers at substantial velocity, and means providing a liquid collecting basin below said chambers.

2,497,390
GOLF BALL PUTTING GAME
Joseph Anthony, Hamilton, Ontario, Canada
Application September 11, 1947, Serial No. 773,465
2 Claims. (Cl. 273—32)



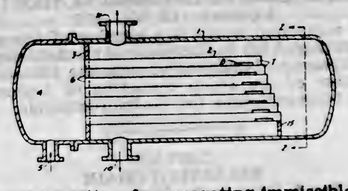
1. A golf ball putting game of the character described comprising an area from which the player putts the ball, an open ended channel extending from the area and along which the ball rolls after it has been struck, a deck formed with a plurality of troughs in its face which terminate with ball receiving holes, and a power driven oscillatable hazard member of funnel shape which continually oscillates while the player putts and having its large orifice directed towards the end of the channel and its small orifice directed towards the ends of the trough, said troughs being arranged between the limits of oscillation of the small end of the funnel, the small end of the funnel being only large enough to direct the ball into one trough.

2,497,391
MECHANICAL SWIMMING EXERCISING MACHINE
Benjamin Becker, St. Louis, Mo.
Application June 28, 1945, Serial No. 602,619
4 Claims. (Cl. 272—71)



1. An exercising device comprising a horizontal cushion for supporting the upper portion of the user's body, a pair of vertically reciprocable cushions for supporting the knees of the user, a shaft rotatably mounted beneath the forward end of the horizontal cushion, a T-shaped fitting pivotally mounted on each end of the shaft and having a transverse tubular section, a tubular sleeve held adjustably within and extending through the said transverse tubular section, a slide rod mounted in the sleeve for lengthwise reciprocating extension, a hand grip mounted on the outer end of the slide-rod, V-shaped hinge means rockably connected at one end to the T-shaped fitting and at the other end to the rod and including a transverse spring for normally urging the rod into the sleeve, a bracket secured to and adjacent each end of the shaft, a tension spring secured at one end to the bracket and at the other end to the sleeve for normally urging the sleeve inwardly, an inclined cam block mounted adjacent the path of the sleeve, cam roller means associated with the sleeve for coaction with the cam block for outward movement of the sleeve when the sleeve is rotated, and means connected to and driven by the shaft for moving the knee-supporting cushions up and down in alternate vertical movement responsive to rotary movement of the arm-stroke mechanism.

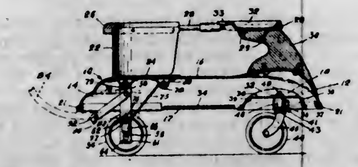
2,497,392
SETTLER
Stephanus J. H. Breukel, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 31, 1946, Serial No. 719,395
In the Netherlands April 9, 1946
10 Claims. (Cl. 210—51)



1. A tube settler for separating immiscible liquids of different specific gravities comprising a shell, a plurality of substantially horizontal settling tubes within said shell, manifold means for distributing an emulsion of liquids into said tubes at inlet points, each of said tubes being provided

with a final outlet for discharging one of said liquids and with an intermediate outlet near said final outlet disposed to permit the other of said liquids to leave the tube between the inlet and the final outlet without back-flow against the current of said one liquid, said outlets discharging into a common space within said shell and said inlet and intermediate outlet being spaced apart to permit settling of the liquids while flowing through the tubes, and means for separately withdrawing the separated liquids from said common space within the shell.

2,497,393
BABY WALKER
John A. Conti, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts
Application April 16, 1946, Serial No. 662,591
6 Claims. (Cl. 155—22)



1. In a baby walker, an integral stamped sheet metal body having generally the shape of the latter H with the connecting bar of the H generally of inverted channel shape and with each of the parallel arms of the H formed as shell with a fender at its opposite ends, a plate welded to the opposite edge margins of said inverted channel bar and closing the open side of the channel, a back rest and tray mounted in spaced relation on said body, depending means within the shell of one of said parallel arms of the H for supporting a rear axle, a rigid bar welded at its opposite ends within the shell of the other parallel arm of the H, a rigid shorter bar welded at its opposite ends within each front fender of the latter said arm and extending crosswise of the first mentioned bar, a bearing bushing extending vertically between and secured to said crossing bars at their regions of crossing within each front fender, and a wheel swivelly mounted in each said bearing sleeve.

2,497,394
ALKYLAMINOALKYL BENZOATES
Arthur C. Cope, Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Original application May 31, 1944, Serial No. 538,201. Divided and this application December 21, 1946, Serial No. 717,817
1 Claim. (Cl. 260—477)

A compound which is a member of the group consisting of (a) the benzoate of the 2-diisobutylmethylamino-1-alkanol wherein the alkanol is a member of the group consisting of 1-propanol and 1-butanol, and (b) its hydrochloride.

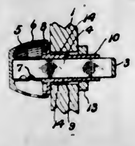
2,497,395
RECLINING CHAIR
Roy A. Cramer, Sr., Hickman Mills, Mo.
Application March 4, 1946, Serial No. 651,798
15 Claims. (Cl. 155—116)

1. A chair including a base, a back, supporting means for said back, means for suspending the back supporting means for swinging movement on the base from a position adapted for supporting the back of an occupant seated in the chair to positions adapted for supporting the back of the occupant when the occupant shifts toward a reclining posture, a seat, seat supporting means on the back supporting means and on said base for raising the seat and moving the



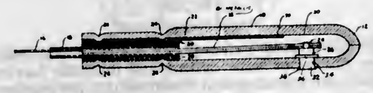
seat forwardly when the back supporting means is moved toward said reclining position, means pivotally carrying the back on the back supporting means, and a connection between the back and seat to effect pivotal movement of the back on said supporting means responsive to movement of said seat.

2,497,396
SPUD FOR FLUSH TANK LEVERS
Basil R. Crampton, Grand Rapids, Mich., assignor, by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich., a corporation of Michigan
Application July 22, 1946, Serial No. 685,486
1 Claim. (Cl. 4—67)



A tank wall spud or mounting fixture for a flushing tank lever comprising, a head and an integral portion extending from the head, said integral portion being square in cross section for a distance from the head, adapting it to enter square openings of variable dimensions through the wall of a flushing tank, but in no case being less than the cross section of said square portion of the spud, and said spud having extending beyond said square cross section thereof an exteriorly threaded portion, said section of the spud which is square in cross section, at two opposed sides thereof having spaced outwardly extending fins perpendicular to the faces from which they extend substantially paralleling each other and substantially paralleling the length of said spud, said fins being thin and extending outwardly a sufficient distance from the sides of said square cross section of the spud to extend beyond the adjacent surfaces of the square opening through the tank wall through which said spud is adapted to pass whereby said fins are adapted to be crushed between the sides of the square cross section of the spud at which they are located and the adjacent sides of a tank opening, such crushing taking place at all variations of space between the sides of the square cross section of the spud from which the fins extend and the adjacent sides of a tank opening into which it is adapted to be inserted.

2,497,397
THERMOSTAT SWITCH
George Franklin Dales, Akron, Ohio
Application January 19, 1946, Serial No. 642,188
6 Claims. (Cl. 200—138)



1. A thermostat switch including a flattened tubular case of electro-conductive material, said case being closed and substantially sealed at one end, a strip of thermally-responsive bi-metal received in the other end of the case and extending substantially centrally into the open end of the case almost to the closed end thereof, a tube of fiber glass insulation around the end of the bi-metal strip adjacent the open end of the case, an electrical connector secured to the bi-metal strip and extending out the open end of the case, a layer of mica insulation between one side of the first-named insulation and the case, the case being compacted around the insulation and bi-metal strip to hold the bi-metal with a cantilever support extending into the case, the compacting being concentrated at points spaced longitudinally of the bi-metal strip and extending laterally thereof to provide parallel ribs on the top and bottom of the inside of the case engaging the insulation and compacting it against the bi-metal strip, each side of the case being flattened into lands at the open end of the case between the parallel ribs to compact the insulation, such ends terminating short of the sides of the strip, an electrical connection to the outside of the case adjacent the mica insulation, an electric contact point secured to the unsupported end of bi-metal strip, and contact means of arc-resisting metal on the inside of the case adjacent the contact point.

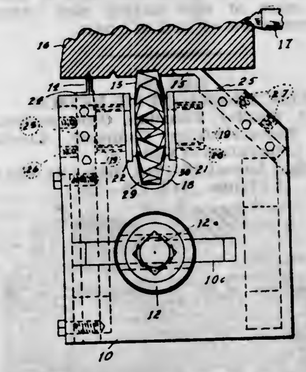
2,497,398
OIL BASE DRILLING FLUID
Reginald D. Dawson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 24, 1947, Serial No. 750,386
10 Claims. (Cl. 252—8.5)

7. A drilling fluid for use in a well, containing an emulsion of water in oil, an amount of finely divided solid material dispersed therein, said amount being sufficient to permit the drilling fluid to overcome the pressure of the well, and an amount of reaction products of from 0.5% to 5.0% by weight of the total emulsion of an alkali salt of an organic carboxylic acid and from 0.5% to 2.0% by weight of the total emulsion of a water soluble salt of a polyvalent metal, said amount being sufficient to stabilize said emulsion and to substantially improve its properties as medium for the electrical logging of the well.

2,497,399
METHOD OF PRESERVING UNPOPPED POPCORN AT OPTIMUM MOISTURE CONTENT
Stephen T. Dexter, East Lansing, Mich., assignor to Michigan State Board of Agriculture, East Lansing, Mich., a corporation of Michigan
No Drawing. Application September 13, 1946, Serial No. 696,934
1 Claim. (Cl. 99—154)

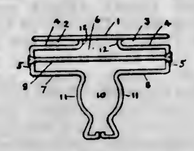
The method of preserving unpopped pop corn at optimum moisture content which comprises storing said pop corn in a closed container in which the atmosphere in the container is exposed to a saturated aqueous solution of sodium chloride, the quantity of water in the solution being more than sufficient to maintain a condition of equilibrium with the atmosphere in the container.

2,497,400
CUTTING TOOL
Lee Eller, Spokane, Wash., assignor to A. E. Rains, Spokane, Wash.
Application July 31, 1946, Serial No. 687,395
4 Claims. (Cl. 29—105)



2. A method of cutting a billet of soft metal and the like into similar roughly pyramid-shaped particles which comprises spirally grooving the periphery of the billet to a depth approximately equal to the height of the particles desired with the axial distance between grooves approximately equal to the base width of a particle, pressing transversely extending tapered channels in the billet material between grooves, and shaving the grooved and channelled portion from the billet.

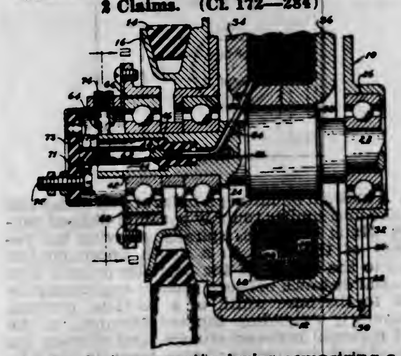
2,497,401
SLIDE LOOP
George Henry Elwell, New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application June 14, 1945, Serial No. 599,477
1 Claim. (Cl. 24—73)



A wire slide loop, the physical combination of button receiving and button retaining portions

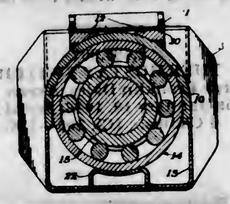
thereof in an upright plane with strap holding position including a strap passage parallel to said upright plane, said slide loop comprising a one-piece wire formation of which a central straight portion provides a cross-bar of said holding portion, a pair of relatively spaced rigid end loops extending toward one another in a plane perpendicular to said upright plane and provided by spacedly forming backwardly both extremities of said straight portion, a second pair of rigid end loops in said upright plane and provided by spacedly forming forwardly said wire extremities, each of said second pair having a wire portion in common with one of said loops in said perpendicular plane, side bars each integrally depending from wire of said second pair of loops, cross bar sections parallel with said central straight portion of wire and extending toward one another from said side bars, the downwardly extending extremities of wire from said cross-bar sections providing oppositely positioned resilient arms of said button receiving and retaining portions of said slide loop, said arms terminating in relatively movable free wire ends of said one-piece formation, and a separate straight piece of wire having each extremity looped around one of said side bars.

2,497,403
ELECTROMAGNETIC DEVICE
Howard J. Findley, Chardon, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 26, 1946, Serial No. 693,061
2 Claims. (Cl. 172—284)



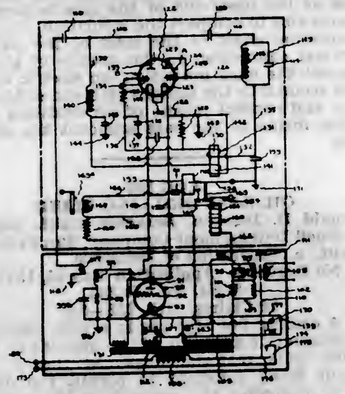
1. An electromagnetic device comprising a rotatable member, a second rotatable member associated therewith, an electromagnet carried by one of the members, a shaft secured to the member carrying the electromagnet, said electromagnet having leads at the respective ends thereof, one lead being secured to the rotatable member on which the magnet is carried and the other lead being insulatingly supported in the shaft with its terminus lying upon the axis of the shaft, a stationary current supply axially spring pressed brush extending along the axis of the shaft having contacting association with the coil lead supported in the shaft at its terminus, a second stationary current supply axially spring pressed brush extending perpendicularly to the axis of the shaft having contacting relation upon the outer periphery of the shaft and a housing journalled on the shaft supporting the brushes for current conducting engagement respectively with the terminus of one lead from the coil and with the shaft.

2,497,403
ROLLER BEARING HOUSING
Raymond H. Gaver, Warren, Ohio, assignor to The American Welding & Manufacturing Company, Warren, Ohio, a corporation of Ohio
Application September 30, 1947, Serial No. 776,944
2 Claims. (Cl. 308—189)



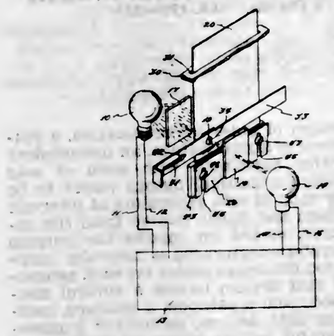
1. A fabricated railway car journal box comprising an upper semi-cylindrical member having an inner surface disposed downwardly for engagement with an outer element of a bearing race, a lower channel-shaped body having side walls welded along their edges to the opposing edges of the upper member, a top wall above the upper member and spaced therefrom, a recessed load box carried by the top wall and extending upwardly therefrom to receive a railway car load bar, and means for supporting the top wall in position on the upper member comprising a pair of load blocks extending longitudinally of the said member and welded thereto on opposite sides of the longitudinal centerline of said member.

2,497,404
FREQUENCY RESPONSIVE CONTROL CIRCUIT
Carl K. Gieringer and Arthur G. Billin, Cincinnati, Ohio, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio, a corporation of Ohio
Application February 5, 1947, Serial No. 726,472
16 Claims. (Cl. 250—36)



7. A short wave oscillator including an electronic power tube, an overload relay in connection with the plate circuit of said tube, an oscillator control switch movable to off and on positions, said control switch being responsive to said overload relay in event of excessive plate current conditions in said oscillator, a differential relay also arranged for actuation of said switch in response to variations of predetermined magnitude from a predetermined frequency of operation of said oscillator, and means for energizing said differential relay comprising; a rectifier for energizing one winding of said relay, a resonant circuit connected to derive a voltage from said oscillator for energizing said rectifier, a triode tube arranged differentially to energize a second winding of said relay, and means for furnishing a negative bias to the grid of said triode tube proportional to the current flowing in said rectifier, said differential relay being constructed to hold said oscillator control switch in closed position against the effect of said overload relay while the oscillator is operating within a predetermined range of frequency and to open said switch in event of plate current overload or in the event of frequency deviation of said oscillator beyond a predetermined range.

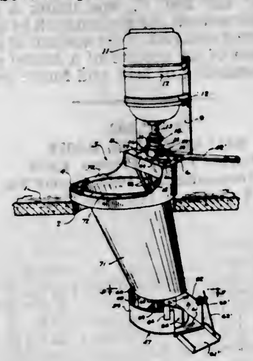
2,497,405
IDENTIFICATION CARD AND MECHANISM
Donald O. Glover, Pullman, Wash.
Application March 14, 1949, Serial No. 81,369
5 Claims. (Cl. 250—230)



1. In combination, a light source, a light responsive element, and means to control the passage of light from the source to the element comprising spaced apart light polarizing plates between the source and element having their planes of polarization at right angles to each other normally to prevent light passage from the source to the element, and a card insertible between said plates provided with an aperture through which light may pass and having a translucent sheet covering the aperture, the sheet being of a material capable of correcting the polarization plane of light from the plate closest the light source to cause it to pass through the other plate to the light responsive element.

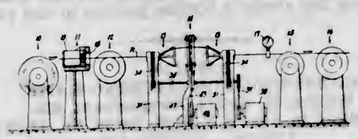
2,497,406
SOYBEAN STORAGE BIN EQUIPMENT
Clarence Hale Graham, Champaign, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1947, Serial No. 746,685
3 Claims. (Cl. 214—17)

1. A compact and self-contained unit for loading bins with grains, beans, and the like, comprising: a rigid frame adapted to be supported in an opening at the top of the bin to be filled; a funnel member having a large generally circular inlet opening and a smaller generally circular outlet opening, said openings being disposed in spaced and approximately parallel planes and being also eccentrically arranged with respect to each other, said outlet opening being positioned under the inlet opening with the center of the outlet opening lying in a vertical plane approximately tangent to the periphery of the inlet opening; said funnel member extending downwardly from the frame and into the top of the bin; a rotatably mounted distributing spout supported from said frame immediately below the outlet opening of said funnel member; said spout having a generally horizontal floor and being shaped to direct the grain and the like outwardly from the funnel member in a horizontal direction; a motor mounted on the frame and being positioned above the plane of the inlet opening to the



funnel; and said motor being generally concentrically arranged above the outlet opening of the funnel; a rotatable impeller mounted in the spout to forcibly drive the grain therefrom; a drive shaft extending approximately vertically and closely along the wall of the funnel adjacent said vertical plane for connecting the motor to the impeller to effect rotation thereof; and a handle and latch means mounted on the frame and operatively connected with the spout to cooperate therewith whereby the spout may be turned to any one of a number of positions and may then be held fixed with the latch while the grain is being driven out horizontally from the spout after the motor becomes energized.

2,497,407
METHOD AND APPARATUS FOR GRINDING ROD AND WIRE
Richard Duane Green, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application April 29, 1947, Serial No. 744,723
9 Claims. (Cl. 51—73)

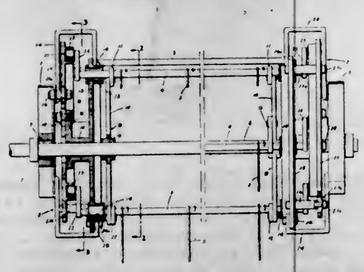


1. Apparatus for grinding rod and the like which comprises an annular grinding wheel, means for pulling the rod through the grinding wheel, means for restraining the rod from turning, and means for whipping the rod around the inside of the annular grinding wheel as it is pulled through it.

2,497,408
MANUFACTURE OF PROPYLENE GLYCOL ESTERS
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 13, 1947, Serial No. 785,810
8 Claims. (Cl. 260—497)

1. A process for the preparation of propylene glycol monoacetate and propylene glycol diacetate which comprises acting on acetic acid and propylene with an oxidizing gas at a temperature between 100° and 350° C., and under a pressure of at least 400 pounds per square inch in the presence of a mixed catalyst of an acetate of an alkaline earth and of an acetate of a heavy metal of the group consisting of lead and ferric iron.

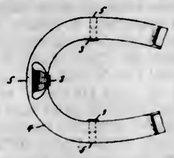
2,497,409
ROTARY REEL RAKE
Charles Jones, Fresno, Calif.
Application December 12, 1945, Serial No. 634,423
8 Claims. (Cl. 56—364)



1. A reel comprising a driven center shaft, a plurality of longitudinal, circumferentially spaced tine shafts surrounding the center shaft, rows of tines on said tine shafts, spiders on the center shaft adjacent the ends of the reel, means connecting the spiders to the tine shafts, the latter being rotatable, and a cam assembly supporting the tine shafts at the ends and including a cam plate through which the center shaft projects, said cam plate having an endless cam slot surrounding the center shaft, the tine shafts projecting through the cam slot and being guided thereby for movement in a circumferential path corresponding to the configuration of the cam slot, said cam slot having a substantially horizontal straight portion at the bottom, and means cooperating with the tine shafts outwardly of the cam plate operative to rotatively position the tine shafts so that the rows of tines depend substantially vertically therefrom as the tine shafts traverse the straight bottom portion of the cam slot.

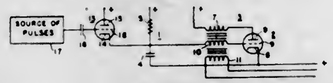
2,497,410
HORSESHOE FOR PITCHING GAME
William H. Kettig, Birmingham, Ala.
Application August 3, 1948, Serial No. 42,202
1 Claim. (Cl. 273—106)

In the game of horseshoe pitching of the character described comprising; a metal horseshoe of conventional shape, said horseshoe having three holes therein, two of said holes being in the middle portions of the prongs of the horseshoe and positioned one in each prong and opposite and in line with each other, the curved portion of the horseshoe having a similar hole therein, all of said holes being of the same size and extending through the horseshoe body; a blank explosive cartridge inserted and fitting snugly



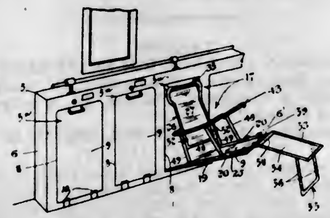
in each of said holes with the head rim of each cartridge positioned adjacent to and in contact with the surrounding inner edge of the hole.

2,497,411
PULSE TRANSMISSION SYSTEM
James A. Krumhansl, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application July 25, 1946, Serial No. 686,139
8 Claims. (Cl. 179—15)



1. In a system of pulse communication, a plurality of sources of signal voltage, an independent pulse generator associated with each of said sources, means for causing output pulses to be generated by each of said generators at intervals dependent upon the signal voltage from the associated source, means for mixing the outputs of said generators comprising a normally inoperative electron discharge device for each generator, each of said devices having a control electrode, an anode and a cathode, a common loading means for said devices, means for impressing the generator output pulses on the control electrodes of the corresponding discharge devices to render said corresponding discharge devices conductive, and means for impressing the output pulse of each generator on the input circuit of another generator whereby said generators operate successively to produce pulses across said common loading means.

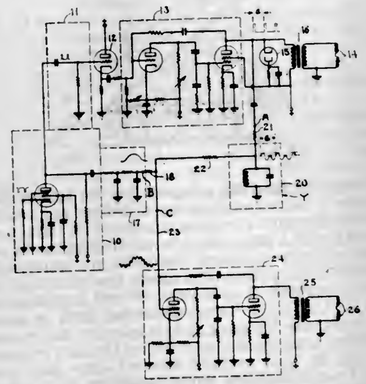
2,497,412
FOLDING CHAIR
Marcel T. Larin, Sorel, Quebec, Canada
Application December 4, 1945, Serial No. 632,640
4 Claims. (Cl. 155—83)



3. A collapsible deck chair installation comprising a locker provided with a front opening and a door for said opening hinged at its lower end, a seat structure carried by the door at the inner side thereof, a foot-rest member hinged to the door by a ball-shaped hinge or pivot member

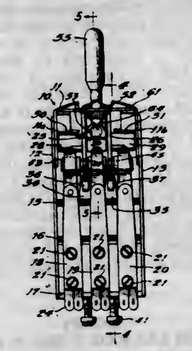
having terminal trunnions mounted in trunnion bearings carried by the door adjacent the front end of the seat structure, a foldable leg pivotally connected to said foot-rest member, a U-shaped arm-rest frame, a pair of front supporting posts having their upper ends pivoted to the side members of the arm-rest frame and their lower ends pivoted to the inner side of said door, a pair of rear supporting posts also having their upper ends pivoted to the sides of the arm-rest frame and their lower ends pivoted to said door, said arm-rest frame being arranged with its side portions extending in the direction of the upper end of the door and a back member mounted for swinging movement into and out of said locker by supporting means located at the upper end of the back member and within the upper portion of the locker, the lower portion of said back member being positioned forwardly of the central portion of the arm-rest frame and being pivotally secured to intermediate portions of said rear supporting posts.

2,497,413
SYNCHRONIZING CIRCUIT
Frederick A. Lindley, Flushing, N. Y., assignor to Radio-Television Institute, Inc., New York, N. Y., a corporation of New York
Application September 13, 1946, Serial No. 696,914
10 Claims. (Cl. 178—69.5)



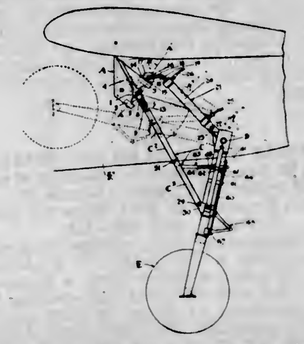
1. A synchronizing circuit for control of a cathode ray tube comprising a horizontal synchronizing signal separating means having an output connection, a horizontal sweep generator connected with the horizontal synchronizing separating means, a vertical synchronizing signal separating means producing a low frequency pulse with a sloping edge and having an output connection, means connecting the output connection of the horizontal sweep generator with the output connection of the vertical synchronizing pulse separating means to provide a composite signal of a frequency which is a multiple of one or more of the horizontal sweep frequency superimposed on the vertical synchronizing signal, the extent of the sloping edge being such that at least one high frequency wave peak will be carried thereby, and a vertical sweep generator connected with the connecting means and triggered by the composite signal.

2,497,414
FIVE POSITION LEVER SWITCH
Donald P. Mossman, Chicago, Ill.
Application April 28, 1945, Serial No. 590,909
5 Claims. (Cl. 200—5)



1. A switch of the character described comprising a supporting framework, movable and stationary contacts mounted thereon, a pair of members pivoted in said framework and having means thereon operable by pivotal movement of said members to move the movable contacts with respect to the stationary contacts, an actuating lever, means on said lever operatively connected in one position of the lever to both members and locking the members against movement but movable by shifting of the lever to and fro to establish, alternatively, an operative connection with either one of said members to the exclusion of the other, resilient means opposing shifting of said lever from the position where it is connected to both members, said lever being shiftable in another direction when in operative connection with only one of said members to effect turning movement of that member and means on the framework preventing movement of said lever in said other direction while the means on said lever is connected to both of said members.

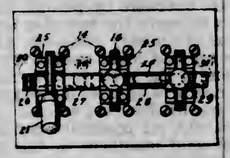
2,497,415
SELF-LOCKING ACTUATING MECHANISM
Arnold G. Parker, Longueuil, Quebec, Canada
Application September 28, 1945, Serial No. 619,162
16 Claims. (Cl. 244—102)



1. In self-locking actuating mechanism of the character described, a motion-transmitting unit comprising a shaft, means mounting said shaft

for rotation on its central longitudinal axis, an inclined disk carried by the shaft and fixed to rotate therewith, a yoke through which said shaft extends, means mounting said yoke for swinging movement about an axis intersecting said shaft axis at right angles thereto and passing through the disk-carrying portion of the shaft, means interconnecting said yoke and disk so that swinging movement is imparted to the yoke by the disk in response to rotation of the shaft, shaft operating means through which force is applied directly to said shaft to rotate it through a partial revolution to either of two predetermined positions of rest in which the disk and yoke are disposed in a co-planar position in which loads transmitted to the shaft through said yoke and disk are ineffective to rotate the shaft on its axis, means for preventing relative displacement of the yoke and disk from their co-planar relationship by vibration loads without interfering with normal operation of the shaft by said shaft operating means.

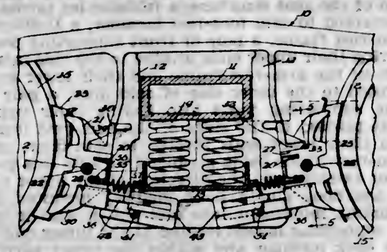
2,497,416
SWITCH LOCKOUT MECHANISM
Isidore F. Peckham, Chicago, Ill., assignor to Donald P. Massman, Sr.
Application May 22, 1946, Serial No. 671,452
1 Claim. (Cl. 74—483)



A lockout mechanism for banks of instrumentalities such as switches having movable actuator elements arranged in spaced relation whereby the actuator elements may be locked in one position by movement of one element to another position until that element is returned to the non-lock position, said mechanism comprising a mounting base for said instrumentalities, a series of tube sections mounted on said base in end to end relation such sections having the actuator elements extending transversely between them and the elements each comprising a disk pivoted upon an axis offset to one side of the line of said sections and substantially filling the space between adjacent sections, said disk having an aperture for alignment with the tube section in one position of the element whereby to form a continuous passage through the sections and ball members mounted in said passage and free to roll therein for permitting an actuator element to move until its aperture is out of alignment with the passage.

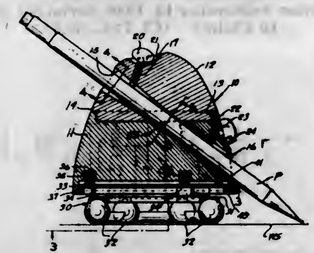
2,497,417
RAILWAY BRAKE BEAM MOUNTING
William H. Sale, Sanston, Va., assignor of one-half to Edward F. Kelly, Chicago, Ill.
Application November 12, 1947, Serial No. 785,299
16 Claims. (Cl. 188—212)

1. The combination with a railway truck structure, embodying a side-frame, a brake-beam structure including a brake-beam, a brake-shoe head, provided with an upper slide-bearing face, and a brake-shoe; of means slidably and demountably supporting the brake-beam structure in the truck, comprising an upper bearing on the inner side of the side-frame for the upper bearing-face on the head, a transversely extending inward extension on the side frame, and a lower support for the brake-beam structure carried by said inward extension and retractable longitudinally of



the side frame, for movement to permit clearance of the head so the brake-beam structure may be dropped from the truck.

2,497,418
ROLLING SUPPORT FOR WRITING INSTRUMENTS
Russell A. Schroeder, Jr., St. Louis, Mo.
Application October 29, 1945, Serial No. 625,351
9 Claims. (Cl. 120—167)

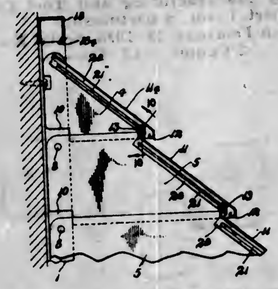


9. In a writing aid adapter for use by disabled persons, a body constituting a holder for a writing instrument, a rolling support for the body comprised of a plurality of anti-friction balls and a ball retainer in which the balls are universally movable in any direction along the plane of the writing surface, a plurality of coil compression springs, the body being provided with a series of sockets, one for each of said springs, and means providing a horizontal surface on the ball retainer engaged by said springs, the retainer and body being freely rotatable with respect to each other, and the body being susceptible of universal rocking movement over the retainer and hence with respect to a plane writing surface engaged by the anti-friction balls.

2,497,419
AWNING
Stanley G. Schwartz, Grand Rapids, Mich., assignor, by mesne assignments, to Victor Tool & Machine Corporation, Benton Harbor, Mich., a corporation of Michigan
Application December 30, 1946, Serial No. 719,284
1 Claim. (Cl. 20—57.5)

An awning comprising two spaced apart vertical supports, and a plurality of superposed overlapping awning sections of progressively increasing length from top to bottom, each section having an inclined top and two ends, each end being pivoted near its top inner portion to a vertical support and each end being slightly inclined outwardly and downwardly and all of said sections being of the same width whereby

they become nested together when turned upwardly on their pivots, elongated guideways extending beneath the inclined tops of the sections

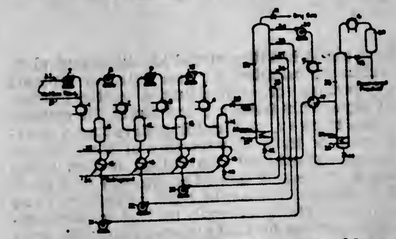


and bearing members at the upper outer parts of said sections each traversably engaging the guideway of the section above it.

2,497,420
MANUFACTURE OF LACTALBUMIN
Everette C. Scott and George W. McDonald, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 19, 1945, Serial No. 636,081
2 Claims. (Cl. 260—122)

1. In the process of separating lactalbumin from whey as large floating cohesive clumps, readily separable from the whey and characterized by good draining properties, the steps which comprise adjusting the acidity of whey, calculated as lactic acid, to a point between 0.07 per cent and 0.12 per cent whereby coagulation of lactalbumin is inhibited within the heat-coagulable temperature range of lactalbumin, heating the so treated whey to within the said heat-coagulable temperature range of lactalbumin, adjusting the acidity of the heated whey as lactic acid while at said heat-coagulable temperature to an amount within the range of 0.15 per cent to about 0.30 per cent by adding the calculated amount of acid to the quiescent whey with a minimum of agitation, whereby the lactalbumin is suddenly precipitated in large floating clumps.

2,497,421
ABSORPTION PROCESS
Russell N. Shiras, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 4, 1946, Serial No. 707,748
7 Claims. (Cl. 183—115)



1. The process of absorbing desirable volatile hydrocarbons from mixed gases containing such hydrocarbons, which comprises forming and separating from an initial mixed gas a liquid condensate, contacting the uncondensed gas countercurrently with an absorption oil of lower volatility than the constituents of said mixed gas in an absorption zone, and introducing the said separated condensate into said absorption zone at a point intermediate to the points of introduction of the uncondensed gas and the absorption oil so as to flow countercurrently to the uncondensed gas.

2,497,423
PRODUCTION OF ALKOXY THIOLS
Harold R. Snyder, Urbana, Ill., and John M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application May 9, 1947, Serial No. 747,128
13 Claims. (Cl. 260—609)

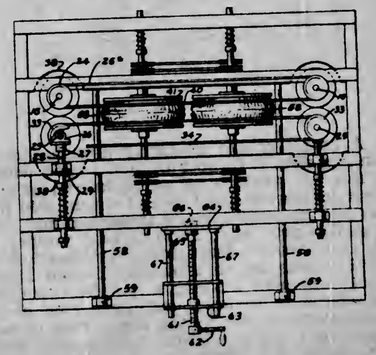
9. The method of producing an alkoxy thiol which comprises reacting a glycol mono-ether containing not more than nine carbon atoms in the molecule with an olefin sulfide containing from 2 to 9 carbon atoms in the molecule, and recovering from the reaction mixture a resulting alkoxy thiol reaction product.

10. A chemical compound containing the structure



and which corresponds to the reaction product of one molecular equivalent of an olefin sulfide containing from 2 to 9 carbon atoms per molecule with a molecular equivalent of a glycol mono-ether containing not more than 9 carbon atoms per molecule, wherein R is the radical attached to the OH group of said glycol mono-ether, and each dangling valence is attached to a radical selected from the group consisting of hydrocarbon and hydrogen.

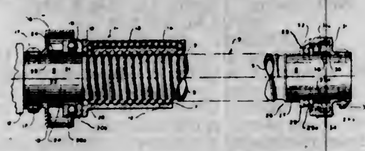
2,497,422
APPARATUS FOR SCRUBBING BUNKS AND THE LIKE
Joseph A. Spanier and Norman N. Spanier, San Francisco, Calif.
Application November 3, 1944, Serial No. 561,750
1 Claim. (Cl. 15—77)



A device for scrubbing bunks or the like comprising opposed scrubbing brushes and pairs of opposed frictionally engaged rollers for advancing bunks to be scrubbed between said brushes, one of said rollers being rotated by power means,

a driving connection between said one of said rollers and a roller of another pair, and a driving connection between the rollers which frictionally engage the last mentioned driven rollers to minimize the tendency toward slippage at the points of frictional driving contact.

2,497,424
LEAD SCREW STOP MEANS
Frank Terdina and Wallace E. Skidmore, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware
Application January 25, 1946, Serial No. 643,415
12 Claims. (Cl. 74—424.8)



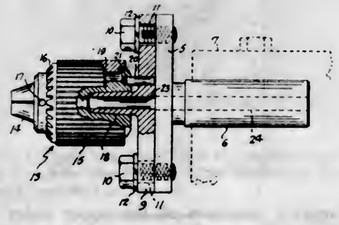
1. In a screw retracting mechanism including threaded nut and screw members arranged for relative axial movement upon rotation of either member, resilient stop means for limiting said axial movement comprising a plurality of telescopic annular elements having complementary tapered friction surfaces arranged to resiliently oppose compressive axial forces and permit a reduction in the torque required to reverse said mechanism.

2,497,425
FLUE DAMPER WITH LATCHING MEANS
Augustus P. Terry, Berkeley, Calif.
Application February 21, 1949, Serial No. 77,475
6 Claims. (Cl. 126—285)



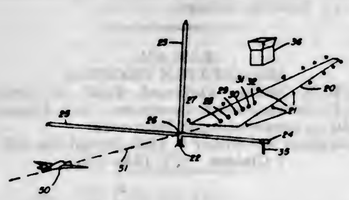
1. A device of the character described comprising: a flue; a damper pivoted to and within said flue for rotation on an horizontal axis; a bracket member secured to and within said flue above the horizontal plane including said axis and in the path of rotation of said damper; a latch stem member journaled in said bracket on a vertical axis for rotation and limited longitudinal movement therein; a radially extending latch secured to the lower end of said stem member; a catch secured to the upper face of said damper in vertical alignment with said latch when said latch is directed inwardly of said flue; and cam track and cam follower means associated with said stem member for causing said stem member to rotate through substantially 180° in response to each cycle of upward and downward movement thereof.

2,497,426
FLOATING CHUCK ADAPTER
Barnabas P. Toth, Bridgeport, Conn., assignor to Barnaby Manufacturing and Tool Company, Bridgeport, Conn., a partnership
Application February 23, 1945, Serial No. 580,180
2 Claims. (Cl. 279—6)



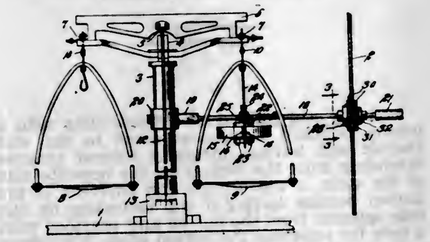
1. A chuck adapter of the character described comprising a back plate, a shank extending rearwardly from said plate forming a mounting therefor and adapted to be secured in a tool holder, a floating plate, means for mounting the floating plate on the forward face of the back plate for lateral adjustment in all directions with respect to the axis of the shank and securing it in adjusted positions, a stud projecting forwardly from the floating plate in substantial alignment with said shank and adapted for detachably mounting a complete conventional tool holding chuck on the floating plate, said stud and its plate being provided with a longitudinal passage for the shank of a tool in the chuck, and said back plate and shank being provided with a longitudinal passage in alignment with the first passage and larger than the first passage to permit lateral movement of the tool shank with the floating plate.

2,497,427
NIGHT LANDING VISUAL LOCALIZER AND GLIDE PATH INDICATOR
David C. Weiss, Williamsburg, Va.
Application July 14, 1948, Serial No. 38,736
7 Claims. (Cl. 177—352)



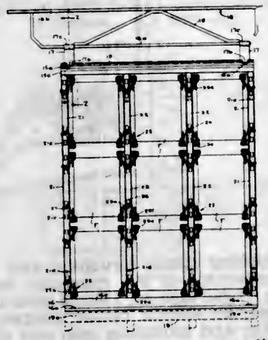
1. In a night landing visual localizer and glide path indicator adapted for use with an aircraft runway, means for generating a vertical beam of light skywardly from a point along the centerline of the runway, means for generating a horizontal beam of light transversely of the runway, said second mentioned generating means being removed transversely from the runway and positioned to direct its beam of light to intersect the vertical beam, and glide path indicating generating means carried by said runway along the centerline thereof and being spaced from said first and second generating means and the point of intersection thereof a distance necessary to give the desired glide path indication.

2,497,428
PRECISION BALANCE
Frederick S. Arguelles, New York, N. Y., assignor to Seederer-Kohlbusch, Inc., Englewood, N. J., a corporation of New Jersey
Application July 15, 1947, Serial No. 761,099
4 Claims. (Cl. 172—285)



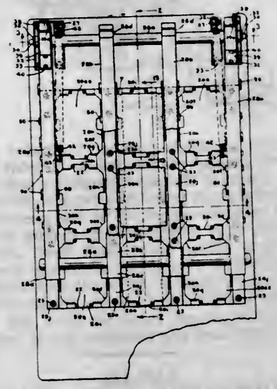
1. In a precision balance, a casing, a standard therein, a beam pivoted on said standard, a vertical damping plate of non-magnetic material freely suspended from said beam, a substantially circular magnet having closely spaced poles adapted to lie on opposite sides of said damping plate to dampen the motion of said beam, a horizontal control rod journaled in said casing with one end extending outside said casing and having means for rotating said rod from outside the casing, and means securing said magnet to said control rod diametrically opposite the magnet poles whereby to rotate said magnet with respect to said damping plate to vary the damping effect upon rotation of said control rod.

2,497,429
MULTIPLE FILM HANGER WITH FILM TENSIONING MEANS
Robert W. Armstrong, Robert Sardeson, and Edward H. Savela, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application September 15, 1945, Serial No. 616,596
15 Claims. (Cl. 95—100)



1. A hanger for holding a plurality of films having in combination, substantially parallel spaced top and bottom members, a plurality of substantially parallel spaced side and intermediate members extending between said top and bottom members, said side and intermediate members being in the form of channels with their open sides directed upwardly, a plurality of spaced gripping means carried in said side and intermediate members, said gripping means each comprising a pair of gripping jaws disposed at the outer sides of said channels, a plurality of spaced pivot members being secured in the bottom of the channels forming said side and intermediate members, one of the jaws of each of said gripping means extending through the adjacent side of its channel respectively and being mounted for swinging movement about one of said pivots, said jaw carrying the other jaw, and resilient means disposed in said channel normally urging and moving said gripping means toward said channel.

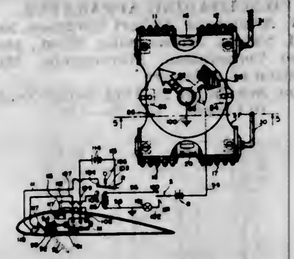
2,497,430
FILM LOADING APPARATUS
Robert W. Armstrong, Robert Sardeson, and Edward H. Savela, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application September 15, 1945, Serial No. 616,597
10 Claims. (Cl. 95—100)



1. A film loading apparatus having in combination, a base having a raised surface on which a photographic film may be laid, said surface being of less area than the area of said film so that said film has projecting portions extending beyond said surface, a film hanger comprising a substantially flat frame having spaced pairs of gripping means mounted thereon, each of said means comprising a pair of spring pressed superposed jaws normally held in closed gripping relation, one of said jaws of each of said pairs of jaws being movable downwardly from its cooperating jaw, said gripping means being mounted for swinging movement about axes at right angles to the plane of said frame, resilient means holding said gripping means of each pair in positions remote from each other and adjacent opposite sides of said film, said base having a portion for supporting said hanger with said pairs of gripping jaws over the corner portions of said film respectively, means mounted on said base for respectively engaging said gripping means to swing a gripping means of each of said pairs toward each other and toward the center of each film respectively against the tension of said resilient means as said frame is moved downwardly toward said portion, and means movable toward said support from above the same for moving said one of said jaws against said film in a direction substantially perpendicular thereto to bend the edge portion of said film downwardly about the edge of said surface until said jaw moves past said portion of said film and said film snaps back into position against the other cooperating jaw and is positioned between said jaws whereby when

said last mentioned means is moved away from said base and said hanger is lifted from said support, said film will be gripped by the spring pressure of said jaws and tensioned by said resilient means swinging said resilient means of each pair away from each other.

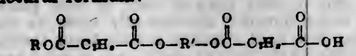
2,497,431
CRITICAL SPEED INDICATOR
Ward W. Beman, Glendale, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application September 8, 1944, Serial No. 553,250
12 Claims. (Cl. 244—78)



1. A critical Mach number indicator comprising a first means responsive to a total pressure which is a sum of the absolute static and dynamic pressure at a given point in a relative fluid stream, a second means responsive to the absolute static pressure in said relative fluid stream in the region of said given point, said first and second means including evacuated balancing means, and an indicator actuated by said first and second means and adapted to indicate the existence of a given predetermined ratio between the absolute total pressure and the absolute static pressure.

2,497,432
ANTIRUSTING COMPOSITION
Edward S. Blake, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 3, 1947, Serial No. 739,247
8 Claims. (Cl. 252—56)

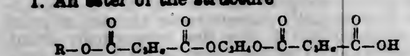
4. A refined mineral oil containing an anti-rusting agent in amount sufficient to impart anti-rusting properties, said agent having the structural formula:



where R is an unsaturated alkyl chain of at least 18 carbon atoms, x is an even number less than 5 and R' is a divalent aliphatic chain containing two carbon atoms.

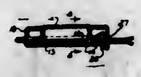
2,497,433
ALKYL ESTERS OF GLYCOL POLYCARBOXYLIC ACID ESTERS
Edward S. Blake, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 11, 1947, Serial No. 754,057
6 Claims. (Cl. 260—485)

1. An ester of the structure



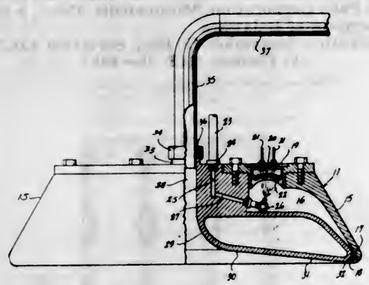
where R is an unsaturated alkyl radical containing at least 3 but not more than 18 carbon atoms and where x is an even number less than five.

2,497,434
CAR SEAL
Bruce Berland, Chicago, Ill.
Application October 11, 1947, Serial No. 779,353
5 Claims. (Cl. 292—317)



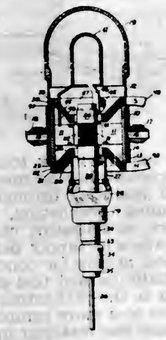
3. A car seal formed of a single strip with a button punched therein adjacent to one end thereof and having integrally formed tongues extending from the button on the opposite side of the strip, a widened portion adjacent to the button portion having a cup extending on the side opposite from the button and provided with a hole for receiving the button when it is folded over into the cup section and a second enlarged portion having a longitudinal depression with sloping sides, said enlarged portions being folded together and welded or otherwise secured to form a casing with an opening for receiving the free end of the strip which extends outwardly from the last named section, the free end having holes which are adapted to register with the tongues when it is inserted in the casing, the arrangement being such that when the button is pressed, the tongues will be forced through the holes and clinched against the surface of the opposite side of the casing.

2,497,435
STEAM VACUUM CLEANER
Leonard Branneman, Green Cove Springs, Fla.
Application August 24, 1948, Serial No. 45,853
4 Claims. (Cl. 15—314)



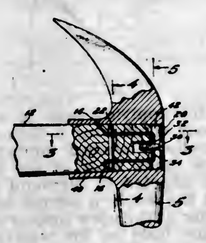
1. A combined steam scrubbing and vacuum cleaning apparatus of the character described, comprising a head member formed with an internal chamber, an electric heater secured to said head member and projecting into said chamber, a spray nozzle secured in said chamber directed toward said heater, said head member being formed with a concave bottom surface and an exhaust passage communicating with said bottom surface, the lower edge portion of said head member being formed around the periphery of the head member with spaced restricted passages connecting said chamber with said concave bottom surface, a water supply conduit connected to said spray nozzle, and a vacuum pump connected to said exhaust passage.

2,497,436
ELECTRON DISCHARGE DEVICE
William C. Brown, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 26, 1947, Serial No. 744,087
6 Claims. (Cl. 250—27.5)



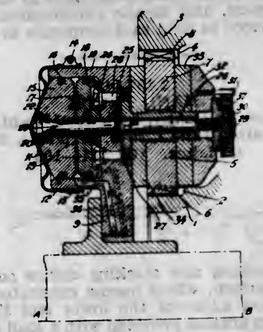
1. An electron discharge device comprising: a tubular member; and a laminated pole piece disposed in said tubular member; said pole piece including a plurality of nested, dish-like stampings having centrally apertured bottom walls; the bottom wall of one of said stampings being upset and forming an annular shoulder axially aligning the remaining stampings.

2,497,437
TOOL AND HANDLE ATTACHING MEANS THEREFOR
Christopher D. Budelman, Baldwin, N. Y.
Application April 2, 1947, Serial No. 738,873
9 Claims. (Cl. 306—35)



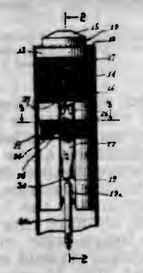
1. In combination, a tool handle, a nut, and an anchor pin, said nut being a U-shaped sheet metal nut having self-locking thread-engaging prongs struck from the base of the U, the end of said handle having recesses receiving the arms of the U, and said anchor pin passing crosswise through the end of the handle and through mating holes in the arms of the nut in order to anchor the nut in the end of the handle.

2,497,438
FLUID OPERATED DISK BRAKE
Henry James Butler, Sutton Coldfield, England, assignor to Dunlop Rubber Company Limited, London, England, a British company
Application October 3, 1947, Serial No. 777,698
In Great Britain October 1, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 1, 1966
8 Claims. (Cl. 188—152)



1. A fluid-operated disc brake comprising a rotatable axially displaceable friction disc, friction pads located adjacent to and on opposite sides of said disc, a brake-operating cylinder, two pistons contained therein, a piston rod connected to one piston but not connected to the other piston, said rod being operatively associated with said discs and pads, and two systems of fluid supply for the application of braking pressure, the port for one fluid supply being at one extremity of the cylinder and the port for the other fluid supply being intermediate the two pistons whereby one fluid supply moves both pistons in one direction to apply braking pressure and the other fluid supply moves only one piston in the same direction to apply braking pressure.

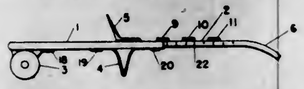
2,497,439
RESISTOR BULB
Gustave D. Cerf, Livingston, N. J., assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application August 8, 1947, Serial No. 767,482
6 Claims. (Cl. 201—63)



1. A resistor bulb comprising a metal core of thermally-conductive material, a resistance element mounted on said core and having an electrical resistance variable with temperature, a casing enclosing said core and resistance element, a solid insulating piece joined to the outer

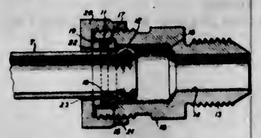
end of said core and fitting closely the interior wall of said casing to hold the core and casing in spaced relation, said insulating piece being grooved at opposite sides along the length thereof and being also grooved transversely thereof, terminals lying in said lengthwise grooves and having side arms engaging said transverse grooves to anchor the terminals to the insulating piece in directions lengthwise of the latter, the inner ends of said terminals being connected to said resistance element, and means surrounding said insulating piece to hold said terminals in place.

2,497,440
HAND TRUCK
Lee R. Denny, Inglewood, Calif.
Application June 7, 1946, Serial No. 675,252
6 Claims. (Cl. 214—100)



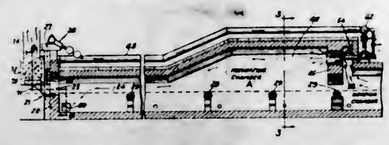
1. A trucking and stacking device comprising an arm portion, wheel means connected to said arm portion adjacent the lower end thereof, a second arm portion provided with a load engaging and carrying part at the lower end thereof and a handle part at the upper end thereof, said second arm portion being adjustably connected to said first arm portion to extend said load-engaging part below the lower end thereof thereby to enable a load engaged by said part when said device is substantially upright to be shifted by arranging said device substantially horizontally and shifting said second arm portion with respect to said first arm portion a distance from the lower end of said first arm corresponding to the height to which the load is to be raised for loading or stacking purposes, whereby an upward force on said handle part will move said load about said wheels to loading or stacking position.

2,497,441
HYDRAULIC COUPLING
James I. Detweiler, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application March 19, 1945, Serial No. 583,405
1 Claim. (Cl. 285—90)



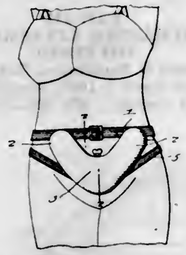
A fitting for use with a tubing having an external end bead comprising a body having an opening for receiving the beaded end portion of the tubing with clearance, a shoulder on the wall of the opening facing toward the adjacent end of the body, an inner ring engaged against said shoulder and surrounding the tubing with substantial clearance, an outer ring in said opening surrounding the tubing with substantial clearance and projecting from said end of the body, a flexible resilient ring of substantially cylindrical transverse cross section between the inner and outer rings, and a nut having threaded engagement with the body and being operable to force the outer ring toward said shoulder to distort the flexible ring and in so doing force it into sealing engagement with the tubing and the wall of said opening, whereby the tubing is supported for limited angular movement out of contact with the fitting except in the zone of the flexible ring.

2,497,442
MEANS FOR HEAT-TREATING MATERIAL
Henry A. Dreffein, West Chicago, Ill.
Application September 25, 1947, Serial No. 776,090
4 Claims. (Cl. 263—36)



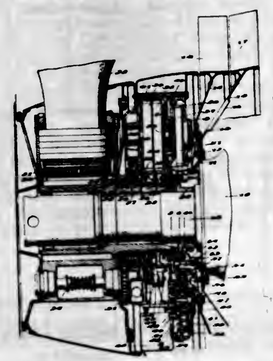
1. Apparatus for thermally treating material comprising a structure having means to support and move such material through a series of chambers including preheating, heating, and cooling chambers, said heating chamber having means to generate and supply partially burned fuel gases thereto, means for conducting a portion of the partially burned fuel gases from the heating chamber to the preheating chamber and burning the gases to a more complete degree for directly preheating the material in the preheating chamber, and means for conducting a portion of the partially burned fuel gases from the heating chamber to the cooling chamber to maintain a special atmosphere about said material in said cooling chamber.

2,497,443
FORM FITTING HEATING PAD
Josephine N. Eatman, St. Augustine, Fla.
Application February 1, 1946, Serial No. 644,750
1 Claim. (Cl. 150—2.6)



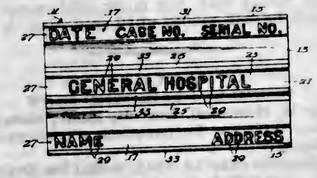
Apparatus for applying heat to a portion of the human body comprising a thin-walled, hollow, substantially V-shaped container, a belt secured to the upper ends of the legs of said container and adapted to surround the body of the wearer at the waist, a second belt attached to said container at the apex thereof and adapted to surround the body of the wearer below the waist, said belts together holding said container firmly against the body of the wearer, said container having a total breadth not materially less than the breadth of the lower portion of the abdomen of the wearer, the width of its leg portions being materially less than its total width and the container having a thickness materially less than the width of any of its portions, and having a flat, corrugated wall adapted to contact the body of the wearer to facilitate the transfer of heat from the contents of said container to the body of the wearer.

2,497,444
COOLING MEANS FOR AIRCRAFT ENGINES
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England
Application February 2, 1945, Serial No. 575,877
3 Claims. (Cl. 170—135.743)



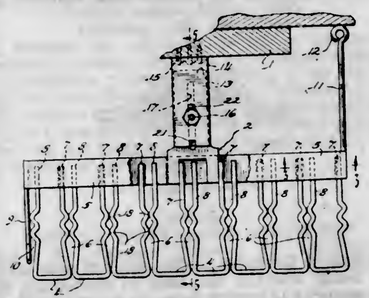
1. In a fan, a support having a facing, a rotatable driving element extending from said facing, a bracket mounted on said facing and having a bearing portion surrounding said driving element, a bladed stator carried by said bracket, a bladed rotor rotatably mounted on said bearing portion, and a power transmitting element connecting said driving element and said rotor, said stator and said rotor being disposed on one side of the plane of said facing, and said bearing portion being disposed on the other side of said plane.

2,497,445
FILM MARKING DEVICE
Clyde Gaul, Chicago, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application October 9, 1944, Serial No. 557,787
9 Claims. (Cl. 40—64)



1. A card holder comprising a sheet metal back plate, having top and bottom edges folded to form lips spaced from the back plate to provide pockets for receiving the edges of removable data cards, a strip of metal having a central portion secured to said plate medially between said lips, said strip having opposed edges respectively facing said lips and offset from said central portion to form pockets for receiving the edges of the data cards remote from said lips, raised indicia characters in alignment on said central portion and facing away from said plate, certain of said lips being formed to provide ribs projecting forwardly of said raised characters to rigidify the holder and protect the characters from contact with a surface on which the holder may be deposited, face downwardly.

2,497,446
BRACKET FOR CURTAINS AND DRAPERIES
James Leonard Golding and Irwin C. Bowman, Chicago, and William H. Comerford, Bellwood, Ill., assignors to J. Leonard Golding, Evelyn L. Golding, and Ann Golding, doing business as Plasti-Glo Manufacturing Company, a partnership
Application July 11, 1946, Serial No. 682,874
6 Claims. (Cl. 211—89)



1. A bracket adapted to drape curtains and draperies which comprises two parallel spaced bars permanently fastened together, a series of crinkled U-shaped fingers disposed adjacent one another, each finger having its prongs inserted between the parallel bars with alternate prongs attached to a bar, and the other prongs unattached and free to flex, thereby having pairs of adjacent prongs consisting of one attached and one unattached in such manner that the adjacent prongs are adapted to maintain tension on drapery inserted between them, an end member secured at one end of the bar adjacent an unattached prong and parallel to and extending forwardly in the same direction as the fingers and means for mounting said bracket on a wall.

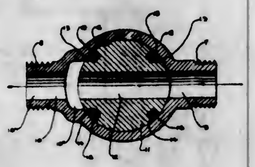
2,497,447
SILICA SOL CATALYST IN THE EMULSION POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS
Alfred J. Green, Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 11, 1945, Serial No. 572,426
8 Claims. (Cl. 260—83.7)

1. The process which comprises polymerizing in an aqueous emulsion at a pH from 2 to below 7 material selected from the group consisting of butadiene-1,3 hydrocarbons and mixtures of butadiene-1,3 hydrocarbons with compounds which contain a single $CH_2{=}C<$ group and are copolymerizable therewith, in the presence of .2 to 2 parts dry weight of hydrous silica sol per 100 parts of polymerizable material as a polymerization catalyst.

2,497,448
VALVE
Lorin E. Grosboll, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application January 22, 1946, Serial No. 642,607
6 Claims. (Cl. 251—103)

4. A valve comprising a housing member having inlet and outlet ports and a seat of circular

cross section intersected by said ports, a rotary plug member in said seat having a passage including inlet and outlet ports registrable with the housing member ports, said plug being turnable between on and off positions, said seat and plug member having opposed surfaces, the surface of one of said members being provided with annular grooves which in the off position of the plug member surround the ports of said housing member, continuous rubber sealing elements in said grooves deformable by fluid pressure into sealing engagement with the plug member and



seat, one of the ports of the other of said members being laterally enlarged so that when the plug member is turned from on to off position a seal will be established by one of said sealing elements around one of the housing member ports to cut off flow through said passage before a seal is established by the other sealing element around the other housing member port, in order to prevent inlet pressure from escaping around the plug member and forcing the sealing element subjected to the influence of such pressure, to be pinched or mutilated as the plug member is being turned to its off position.

2,497,449

RESIN-GLYCERIDE COATING

Samuel S. Gutkin, Plainfield, N. J., assignor to Falk & Company, Carnegie, Pa., a corporation of Pennsylvania

No Drawing. Application May 2, 1946, Serial No. 666,810
12 Claims. (Cl. 260—104)

1. The method of making a resin-glyceride coating composition by reacting together acid thermoplastic natural resin, fatty acid glyceride and pentaerythritol in the presence of a basic-reacting saponifying agent capable of forming water-insoluble soaps, at a temperature between the lowest reaction temperature of the pentaerythritol and the decomposition temperature of that reagent, the pentaerythritol and the said resin being reacted with the fatty acid glyceride simultaneously.

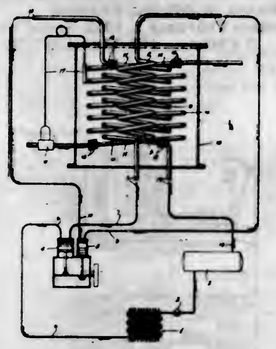
2,497,450

REFRIGERATION SYSTEM

Ernest Gyrax, St. Louis, Mo., assignor to General Engineering & Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application August 2, 1945, Serial No. 608,496
9 Claims. (Cl. 62—115)

1. In a refrigerating method, a condensing stage which includes circulating a gaseous refrigerant under pressure in a confined stream, cooling the circulating gas stream by circulation of a liquid cooling agent in a confined stream, passing said gas stream in direct heat exchange relation to a solid cooling medium comprising an eutectic mass of material having a melting temperature sufficiently high to cause a sufficient heat loss from the gas stream to condense the



same independently of the cooling effect of said first-named cooling agent.

2,497,451

PROCEDURE FOR THE PREPARATION OF PROSTHESES OF GREAT STRENGTH FROM METHYL METHACRYLATE MONOMER AND POLYMER

Max Haefeli, Basel, Switzerland

No Drawing. Application August 17, 1945, Serial No. 611,248. In Switzerland September 16, 1944
1 Claim. (Cl. 18—55.1)

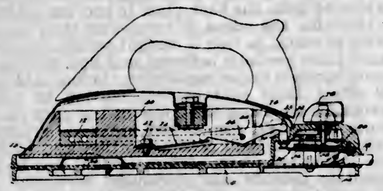
The process of manufacturing a prosthesis of great strength, which comprises mixing superficially for a maximum time of ½ minute a highly polymerised methylester of methacrylic acid in pulverulent form, the grains ranging in size from fine to coarse with 15 to 25% of a monomeric methyl ester of methacrylic acid in such a way, that the polymers do not swell and the mixture forms a moist, loose, granular mass, filling a mould immediately with said mass, heating said mould with the mass, and compressing said mass in said mould until said mass is hardened.

2,497,452

CORDLESS ELECTRIC IRON

Kemper M. Hammell, Detroit, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan

Application May 17, 1945, Serial No. 594,303
12 Claims. (Cl. 219—25)



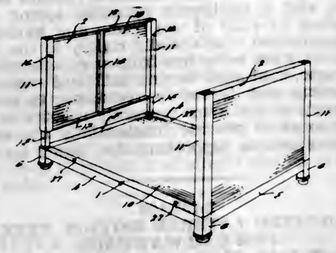
1. In a device of the class described, an iron including a sole plate, a heating element for said sole plate and electrical terminals for said element, a stand for supporting said iron and having a current conducting cord connected therewith and provided with terminals arranged to be engaged by said terminals on said iron when said iron is supported on said stand, said stand terminals forming part of a current supplying circuit for said heating element which includes a switch arranged on said stand in the circuit ahead of at least one of said stand terminals, a thermally responsive element on said sole plate arranged to be deflected by a rise in the temperature thereof ensuing from the operation of said heating element, and a connection between said thermally responsive element and said switch, when said iron is arranged on said stand with said stand and iron terminals engaged, operable for opening the switch in response to deflection of said thermally responsive element by a rise in the temperature thereof ensuing from the operation of said heating element.

2,497,453

KNOCKDOWN BOX CONSTRUCTION

Adelbert Gorden Hazen, Centerline, Mich.

Application September 17, 1948, Serial No. 49,820
6 Claims. (Cl. 248—120)



1. A knockdown box construction comprising a base having a border frame and depending legs at the corners thereof, said legs having upwardly directed openings in the upper ends thereof so that another base of the same construction and size may be stacked on said base with the legs of said other base nested in said openings, a pair of end members, each having upstanding corner posts, said corner posts having depending lower ends receivable in said openings, said end members being arranged one at each end of said base and parallel to each other and with the lower ends of the corner posts thereof nested in said openings in said base, lugs on the facing surfaces of the corner posts of each of said end member and projecting toward the other of said end members, side members having upstanding end elements provided with bayonet slots adapted to receive said lugs therein, and depending pins on the bottom of said side members receivable in aligned openings formed in said base border frame, the over-all length of said side members being at least as great as that of said end members but no greater than the distance between said end members, so that the box will accommodate therein parallel to said side members, the side and end members of another box of the same construction and size.

2,497,454

MANUFACTURE OF COMPOSITE PRODUCTS OF RUBBER AND RAYON AND THE PRODUCTS OBTAINED THEREBY

James William Hlingworth, Little Aston, Sutton Coldfield, and Evelyn William Madge, Sutton Coldfield, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y., a corporation of New York

No Drawing. Application April 27, 1945, Serial No. 590,732. In Great Britain April 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 6, 1964
6 Claims. (Cl. 154—136)

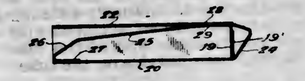
1. Process for the manufacture of composite products of rubber and rayon comprising applying a vulcanizable rubber composition to an assemblage of yarn formed from rayon containing the resin product of the reaction of formaldehyde and a phenol, the proportion of said phenol product being not more than 2% by weight based on the dry weight of the rayon.

2,497,455

ARTICLE DISPENSING CONTAINER

Jerome A. Johnson, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois

Application May 13, 1947, Serial No. 747,616
3 Claims. (Cl. 220—20)



3. An article dispensing container comprising, a top wall, a bottom wall, side walls, end walls, said end walls being normally disposed in spaced parallel relation in a plane normal to said top and bottom walls and having their lower ends hingedly connected to said bottom wall, and an inner wall hingedly connected to the movable upper ends of said end walls for movement relative to said top wall, said top wall and inner wall having apertures normally disposed out of registry and adapted to be brought into registry by movement of said inner wall relative to said outer wall responsive to inward pressure exerted manually against one of said end walls, end flaps extending inwardly from said side walls to normally engage the inner side of one of said end walls, said end flaps being hingedly connected to their respective side walls and having their upper edges disposed in spaced relation to said top wall to define a recess to receive said inner wall.

2,497,456

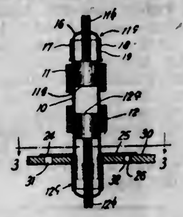
ADJUSTABLE INDUCTANCE DEVICE OR THE LIKE

Edward L. Johnson, South Orange, N. J., assignor to The Palnut Company, Irvington, N. J., a corporation of New Jersey

Application November 23, 1944, Serial No. 564,843
1 Claim. (Cl. 74—424.8)

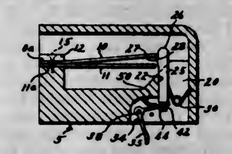
For an inductance device in which a winding is positioned on the exterior of an insulating tube having a cylindrical terminal portion provided with a pair of diametrically-positioned cross axial holes and a magnetic core for the winding is telescoped into the tube in sliding fit relationship, a one-piece fitment of spring sheet metal, said fitment comprising: an annulus for closely embracing the terminal portion of the tube and circumferentially supporting it against distortion, a convex disc-like portion surrounded by the

annulus, the disc-like portion being formed with an annular shoulder which aids in positioning the fitment on the tube and said disc-like portion having at its center binding female thread means, said thread means being resiliently cooperable with a threaded stem extending from the core to adjustably position the core lengthwise of the tube, and a pair of circumferentially-spaced oppositely-positioned arms of arcuate cross-section extending from the annulus in position to resiliently clasp the cylindrical side wall of the tube



when the fitment is telescoped on the end of the tube, said arms having portions which in unstressed condition are diametrically spaced by a distance substantially less than the exterior diameter of the tube with which the fitment is to be assembled, said arms having flaring ends diametrically spaced apart by a distance greater than the exterior diameter of the tube, and one of said arms having an inwardly-extending protuberance to make snap engagement with either of said holes in the side wall of the tube to retain the fitment nonrotatable on the tube.

2,497,457
SOUND PRODUCING DEVICE
Rudolph C. Kucera, Alhambra, Calif.
Application January 14, 1946, Serial No. 641,122
7 Claims. (Cl. 46—191)

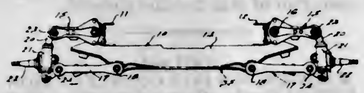


1. In sound producing apparatus, a vibratory element, means for actuating said element comprising a body, a traveling bar mounted in the body for axial sliding movement into and out of operative engagement with said element and for lateral movement towards and away from said element, lever means carried by the body and cooperable with the bar to move the latter axially into operative engagement with said element, and spring means for moving said bar laterally and axially in the opposite direction.

2,497,458
BUTADIENE-STYRENE COPOLYMER TACKIFIED WITH ISOOLEFIN-DIOLEFIN-STYRENE COPOLYMER
Stewart S. Kurtz, Jr., Merion, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application May 26, 1945, Serial No. 596,099
3 Claims. (Cl. 260—45.5)

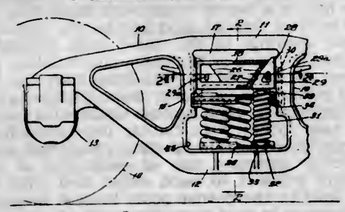
1. A composition of matter comprising a mixture of a preponderant proportion of a synthetic rubber, made by polymerization of a mixture consisting essentially of butadiene and styrene, and a minor proportion, effective to impart tack thereto, of a tacky, elastic tackifier copolymer product derived by polymerization, at a temperature of from about —40° C. to about —160° C. with the aid of a Friedel-Crafts type catalyst, of a monomeric mixture comprising from about 50 to about 70 parts by weight of an iso-mono-olefin of 4–6 carbon atoms having a double bond in the alpha position and a side chain in the beta position, from about 10 to about 30 parts by weight of an aliphatic 1,3 conjugated diolefin and from about 20 to about 30 parts by weight of styrene.

2,497,459
WHEEL SUSPENSION
John W. Leighton, Port Huron, Mich.
Application July 30, 1945, Serial No. 607,765
10 Claims. (Cl. 267—11)



1. In combination, a vehicle frame, substantially aligned arms projecting laterally from the frame at opposite sides thereof and carrying wheels at their outer ends, means pivotally connecting the inner ends of the arms to the frame so that they can swing vertically relative to the frame, and a resiliently bendable spring strip extending laterally of the frame and having its ends connected substantially rigidly to the arms respectively but being free from any connection to the frame, said strip having sufficient resistance to bending and, therefore, resistance to pivotal movement of the arms upwardly relative to the frame so as to provide substantially the entire springing means supporting the frame on said arms.

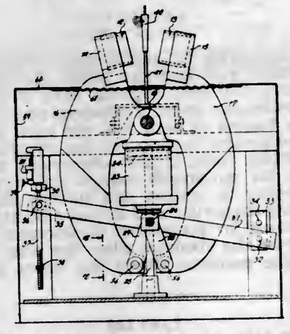
2,497,460
STABILIZED LATERAL MOTION TRUCK FOR RAILWAY CARS
Charles P. Leese, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application November 6, 1946, Serial No. 708,132
8 Claims. (Cl. 105—186)



1. In a railway car truck, a side frame having a bolster window therein; a bolster extending through said window and having recesses in portions of its opposite faces; means for supporting said bolster in the window for movement laterally of the side frame; wedge members positioned in said recesses for frictionally engaging the said portions of the side faces of the bolster and adjacent portions of the frame; and resilient means interposed between the wedge members and a supporting structure for forcing the wedges into said frictional engagement with said portions of the side faces of the bolster and said adjacent faces of the frame; the said spring supporting

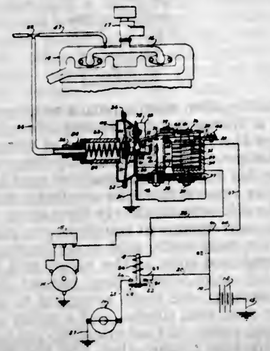
structure including means providing rocker bearings for the resilient means to permit the resilient means to move to angular positions in response to the movements of the bolster laterally of the frame.

2,497,461
APPARATUS FOR SPLICING INNER TUBES OF TIRES
Cuyler S. McChesney, Kenmore, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application April 19, 1949, Serial No. 88,352
9 Claims. (Cl. 154—9)



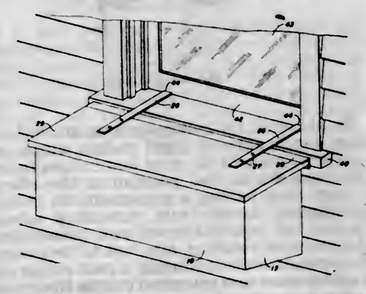
1. Apparatus for splicing the ends of inner tubes which comprises a hollow die holder having a stepped cylindrical recess and a cylindrical die having a hinged section, said die being rotatably mounted co-axially in the recess of said holder, the circumferential wall of said die holder being open to permit said hinged section to swing outwardly.

2,497,462
STARTER MOTOR CONTROL SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Earl Finley McCracken, Turner, Mont.
Application April 15, 1949, Serial No. 87,697
3 Claims. (Cl. 290—38)



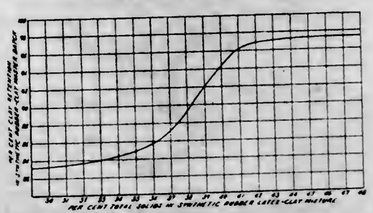
3. Control means for an internal combustion engine starting system comprising a starting motor energizing circuit, an electro-magnetic relay switch and a pressure-operated switch interposed in series in said circuit, an energizing circuit for said electro-magnetic relay switch, a manually-closable switch interposed in said last-mentioned circuit, and circuit-interrupting means for said first-mentioned circuit moved to circuit-interrupting position by said pressure-operated switch and held in circuit-interrupting position by said electro-magnetic relay switch during energization of the latter.

2,497,463
WINDOW PROVISION BOX
Joseph H. Meagher, Rochester, N. Y.
Application January 8, 1948, Serial No. 1,129
2 Claims. (Cl. 312—101)



1. A window provision-box adapted to be mounted beneath a window-sill comprising a framework, a lid hinged to the outer wall of the framework, and straps secured to said lid and projecting inwardly from the lid, said straps being adapted to rest on the sill, when the lid is closed, and being of such length that they will extend beneath the window sash and be held closed by the window sash when the lid is closed and the window sash is down.

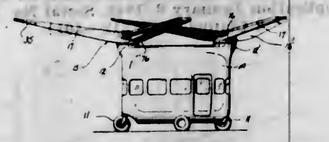
2,497,464
INCORPORATION OF CLAY FILLER INTO SYNTHETIC RUBBER
Robert E. Meeker, South Charleston, W. Va., and Harold J. E. Segrave, Washington, D. C., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 19, 1947, Serial No. 742,498
16 Claims. (Cl. 260—8)



6. The improvement in the method of making a synthetic rubber-clay master batch which comprises directing a mixture of synthetic rubber latex and clay having a solids content of 40 to 43%, and having a dry clay to latex solids ratio from 50:100 to 110:100, into an aqueous solution of a coagulant selected from the group consisting of aluminum sulfate, zinc sulfate, zinc chloride, magnesium sulfate, magnesium chloride, calcium chloride, sulfuric acid, and hydrochloric acid, the coagulant content of the solution being maintained at a sufficiently high concentration so that the coagulation of the latex-clay mix is

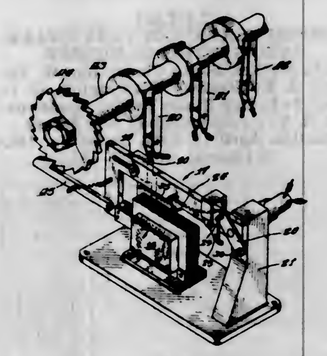
almost instantaneous, said coagulant solution containing glue in amount from 0.02 to 0.1% of the aqueous coagulant solution used.

2,497,465
AIRCRAFT OF THE ROTARY WING TYPE
Robert E. Mullin, Bremerton, Wash.
Application July 27, 1946, Serial No. 686,625
4 Claims. (Cl. 170—160.25)



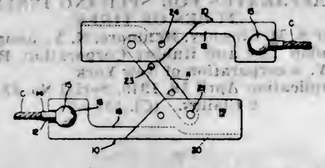
1. An air screw for helicopter type aircraft comprising a plurality of rigid radial wings, each having an aileron at its outer end, means for controlling the action and position of the ailerons, and each wing having a propulsion fin mounted longitudinally therein and extending substantially the full length thereof and perpendicular to the plane of rotation, adapted to be extended downwardly therefrom during a part of the rotation of the screw and retracted during the remaining part to cause a horizontally directed propelling force to be applied thereby to the craft.

2,497,466
TIMER
Ray G. Olson, Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application April 10, 1947, Serial No. 740,678
3 Claims. (Cl. 172—126)



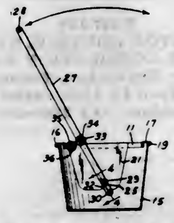
1. In a timer the combination of an electromagnetic impulser including a single magnetic winding, a pair of circuits either of which is adapted when closed to energize said impulser, a rotatably mounted fluent-conductor contactor adapted to be rotated to either of two angular positions to open one of said circuits and close the other, thereby to actuate said impulser, and means comprising a double acting bifurcated cam mechanically intercoupling said impulser and said contactor, the last-named means being so arranged that in response to actuation of said impulser said contactor is rotated from one of its positions to the other.

2,497,467
QUICK DISCONNECT COUPLING FOR CABLES
Edgar G. Peters, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application March 3, 1947, Serial No. 732,072
9 Claims. (Cl. 24—68)



1. A connector for cables and the like having end fittings with ball-like heads, the connector comprising two body sections, each section having a transverse opening adjacent one end, each opening having at least one end open at a side of its respective section for the reception of a cable fitting head, a link connecting the body sections for movement toward and away from one another to tension and slacken the cables connected therewith, and means associated with the sections for preventing displacement of the heads from the openings when the body sections are in the positions where the cables are tensioned.

2,497,468
ROLLER MOP WRINGER HAVING CARRYING HANDLE FIXED TO PIVOTED SUPPORT FOR ROLLERS
James A. Poirier, Detroit, and William Rombach, Highland Park, Mich., said Rombach assignor to said Poirier
Application January 4, 1946, Serial No. 639,026
1 Claim. (Cl. 15—262)

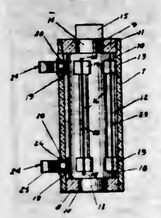


In combination with a pail, a mop wringer comprising a frame having spring clamps arranged to secure the frame to the rim of the pail, a pair of aprons extending downwardly from said frame, a slot in the lower end of each of said aprons, said slots being in a vertical plane substantially bisecting said pail, comparatively long arms secured by pivots to said aprons at points above and in alignment with said slots, said arms having a handle at one end and pins at the other end adapted to detachably engage said first named slots, longitudinal slots in said arms arranged to slidably engage the said arm pivots, and a roller carried between said arms and arranged to contact a roller carried by said frame when the end pins on said arms are out of contact with the slots in said aprons, the said end pins and said first named slots being so arranged that when said arms are in substantially vertical position the said end pins may engage said first named slots whereby the wringer and pail may be carried by said handle without tipping.

2,497,469
FLEXIBLE ABRASIVE ARTICLES
Norman P. Robie, Lewiston, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Original application May 20, 1940, Serial No. 336,212. Divided and this application May 19, 1943, Serial No. 487,621
2 Claims. (Cl. 51—301)

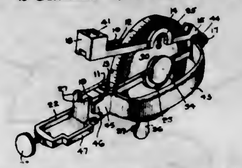
1. A bonded heat-resistant abrasive article of the coated abrasive type comprising abrasive particles bonded to a flexible backing by a binder comprising a uniform mixture of casein and a sodium silicate cement.

2,497,470
MULTIPLE ELEMENT FUSE
Fred J. Roukos, Jr., Columbia, S. C.
Application June 7, 1946, Serial No. 674,960
2 Claims. (Cl. 200—125)



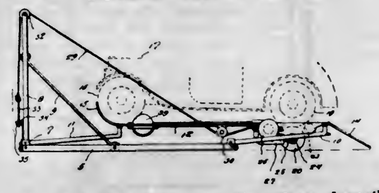
1. A multiple fuse assembly adapted to be substituted for the single fuse in the terminal clips of a fuse block, said multiple fuse assembly comprising an insulated tubular cylindrical casing having a pair of longitudinally spaced conductive contactors mounted having heads projecting radially from the exterior of said casing and formed for engagement with the fuse block clips whereby the assembly is supported on the fuse block with said contactors electrically connected to the fuse block clips, said cylindrical casing comprising ends formed with axially aligned cylindrical openings, a cylindrical insulated core having reduced cylindrical end portions journalled in said cylindrical openings, one of said end portions being extended and formed to provide a handle for manually rotating said core within said casing, said core being formed at equal circumferential intervals with longitudinal recesses of substantial width terminating at their opposite ends in relatively narrow longitudinal slots, conductive clips removably inserted in said slots, said clips comprising opposed elements arranged to be compressed toward each other upon insertion in the slots, longitudinally elongated fusible strips positioned in said recesses with their opposite ends removably clamped between the opposed elements of the related clips inserted in slots, and contacts on said contactors within said cylindrical casing, each contact embodying a ball, and a spring operatively connected to said ball for urging the latter into engagement with the clip aligned therewith and seat between the opposed elements of said aligned clip to thereby establish positive electrical engagement of the ball contacts with the clips aligned therewith and resist vagrant rotation of said core while said contacts are engaged with the clips of a fusible strip.

2,497,471
TAPE CONSTRUCTION
Nathan H. Shillman, Baltimore, Md.
Application September 10, 1947, Serial No. 773,133
2 Claims. (Cl. 242—84.8)



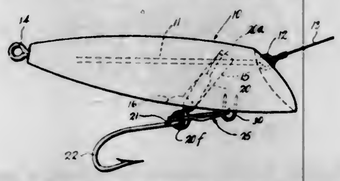
1. A tape holding device comprising a pair of complementally formed members adapted when fitted together to provide a tape housing having laterally spaced bearings for a tape drum and a tape passage opening at one end thereof, adjacent ends of said members being hinged together, wiping elements disposed in the free ends of said members, means to releasably interlock said ends of the members to form said tape passage opening therebetween, said wiping elements being adapted to engage the opposite surfaces of said tape in passage to clean the same, and guide means defining said opening for limiting lateral displacement of the tape, said guide means including a pair of laterally spaced elements integrally formed on the free end of one of said tape housing members and adapted to overlie the end surface of the other of said members when the latter are fitted together.

2,497,472
AUTOMOBILE LIFT
Grover A. Sims, Beaumont, Tex.
Application February 23, 1945, Serial No. 579,383
4 Claims. (Cl. 254—91)



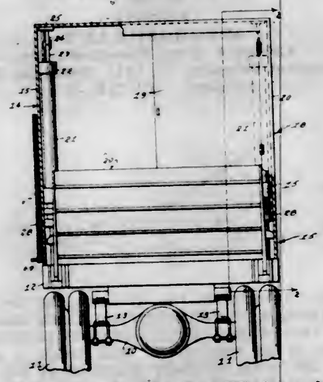
1. An automobile lift of the class described comprising a substantially open frame constituting a base, a pair of rear lift arms pivotally attached at the rear end of said frame, a pair of front lift arms pivotally attached at the front end of said frame, a pair of posts rising from the front end of said frame, a lift frame including a pair of spaced parallel tracks pivotally attached at its front and rear ends to said front and rear lift arms, respectively, a shaft extending transversely at the rear end of said tracks and journaled therein, rollers secured on said shaft and adapted for engagement by the drive wheels of a motor driven vehicle supported on said tracks, a pair of drums journaled on the end portion of said lift frame remote from said posts, means drivingly connecting said shaft with said drums, pulleys journaled on the upper ends of said posts, cables having one end adapted for winding on said drum and extending upwardly over said pulleys and downwardly therefrom, and adjustable means for attaching the other ends of said cables to said base, said cables exerting a lifting force on the lift frame upon the operation of said rollers by the drive wheels of the automobile.

2,497,473
SECURING CLIP FOR FISH PLUGS
William Slepica, Seattle, Wash.
Application November 22, 1948, Serial No. 61,367
4 Claims. (Cl. 43—42.04)



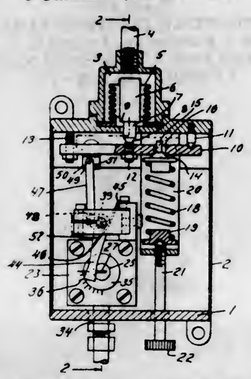
1. A fish plug, a swivel secured at its inner end to the plug, a hook directly connected to the outer end member of the swivel, and a clip affixed to the plug forwardly of the swivel and adapted to have applied thereto that member of the swivel to which the hook is applied to normally hold the swivel in a forward position relative to the plug and the hook in position that its point is forwardly directed; said outer end member of the swivel being disengageable from the clip by pull thereon through the mediacy of the hook as caused by the strike of a fish.

2,497,474
TRUCK TAIL GATE LIFT
Walter E. Snow, Rockland, Maine
Application May 28, 1948, Serial No. 29,891
3 Claims. (Cl. 214—75)



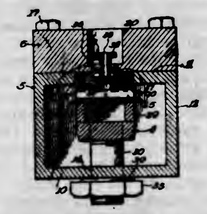
1. A loading and unloading lift for a burden vehicle having a frame and a body supported on said frame and provided with a rear door opening, said lift comprising a pair of hydraulic cylinders supported in the body, one at each side of the rear door opening therein, a piston slidable in each cylinder, a respective piston rod attached at its upper end to each piston and extending downwardly through the bottom end of each cylinder, a respective bracket secured on the bottom end of each piston rod, each bracket having a pair of apertured ears and a horizontal abutment extending outwardly from said ears, a tail gate pivotally connected at its opposite ends to said bracket ears and supported in horizontal position by said bracket abutments, said vehicle frame extending rearwardly of said body at each side of said rear door opening and having notches in the upper edges thereof, a pair of lugs disposed one on each end of said tail gate and engageable in said notches to releasably lock said tail gate in substantially vertical position, a control valve hydraulically connected to the bottom ends of both hydraulic cylinders, and a fluid pump having a fluid inlet and a fluid outlet hydraulically connected to said valve, said valve being operative to reversibly connect the lower ends of said cylinders with said pump outlet and inlet.

2,497,475
AIR PILOT
Sten Soderberg, Nutley, N. J., assignor to Leslie Co., Lyndhurst, N. J., a corporation of New Jersey
Application July 9, 1946, Serial No. 682,397
5 Claims. (Cl. 137—153)



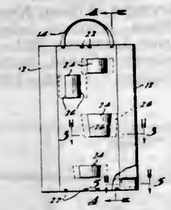
1. A valve structure comprising a rotatably mounted member having a central bore and having a centrally arranged discharge orifice at the end of the bore, and a pivoted lever mounted to move over the orifice to open and close it, the orifice having a major axis of greater dimension than its minor axis whereby sensitivity of the valve may be regulated by adjustment of the rotatably mounted member.

2,497,476
FLAME RETAINING GASEOUS FUEL BURNER
Albert Stadler, Rockford, Ill., assignor to Eclipse Fuel Engineering Co., Rockford, Ill., a corporation of Illinois
Application December 6, 1946, Serial No. 714,525
11 Claims. (Cl. 158—99)



8. A gaseous fuel burner comprising a manifold provided with means for supplying it with main gaseous fuel under pressure and having associated therewith an independent source of gaseous pilot fuel under pressure, means on the upper portion of the manifold forming a series of spaced apart open top wells, insert members corresponding in number to, and associated respectively with, the wells, disposed partly in the lower central portions of the wells, embodying vertical shanks, and having vertical open ended ducts extending centrally through the shanks, having their lower ends in communication with the interior of the manifold, and adapted to deliver upwards into the upper central portions of the wells streams of main fuel, a closed hollow member disposed within the central portion of the manifold interior and beneath the well forming means and connected to receive pilot fuel from said source, and means forming vertically extending ports positioned outwards of the shanks, having the lower ends thereof in communication with the interior of said hollow member, and adapted to deliver streams of pilot fuel upwards into the outer upper portions of the wells.

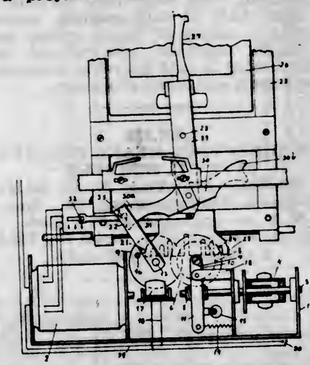
2,497,477
VACUUM CLEANER ATTACHMENT TOOL KIT
Marion W. Stoops, Normal, Ill., assignor to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan
Application February 19, 1948, Serial No. 9,408
4 Claims. (Cl. 206—16)



1. A vacuum cleaner attachment tool kit comprising an upright flat panel having an integral vertical hollow column at each of the ends thereof, the upper and lower edges of said panel being folded back upon said panel, a piece of material forming a closure adjacent the lower end of each column and having downwardly turned edges, said downwardly turned edges being received between the lower folded-back edge of said panel and at least two of the walls defining said column, said columns being spaced by said panel and forming supports for standing and maintaining said panel in an upright position, each side of said panel having provisions for supporting attachment tools between said columns, said hollow columns forming pockets for supporting attachment tools.

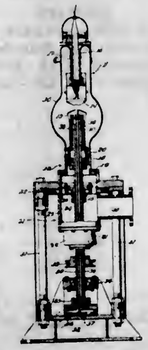
2,497,478
DRIVING MECHANISM FOR MULTIPLEX CAMERAS
Yngve Svensson and Erik Nilsson, Goteborg, Sweden
Application May 7, 1946, Serial No. 667,948
In Sweden March 2, 1945
2 Claims. (Cl. 95—37)

1. In a multiplex camera a mechanism to shift the camera plate holder horizontally and vertically to different positions in order to expose a number of pictures on the same plate, the mechanism consisting of a frame guiding the plate holder and movable horizontally, the plate holder vertically slideable therein, a ratchet rod attached to the plate holder and carrying the same, a gang hook swingably mounted to the frame and in engagement with the ratchet rod, the displacement of the gang hook causing the ratchet rod with the plate holder to fall one step at the end of the horizontal movement of the frame, a comb attached to the frame, a crankshaft to drive said mechanism and coacting with the camera shutter to release the same once per revolution, a member rotating with the crankshaft and provided with an axially projecting pin to grip into alternate tooth spaces of the comb to displace the same with the frame and the plate holder horizontally one step per revolution of the crank shaft, an electric motor to drive the crankshaft, a friction gear inserted between the motor and the crankshaft, the member of the crankshaft provided with a projection in intermittent cooperation



with a switch to break the current to the motor once per revolution of the crankshaft, a head switch to reclose the current to the motor and restart the rotation of the crankshaft, a switch connected to the gang hook and following the movement of the same to reverse the current to the motor at the end of the horizontal movement of the frame, means to disengage the crankshaft from the members driving the same, the motor and the between-coupled crankshaft driving members being executed as a separate mechanism carried by a foot plate and mountable as a separate unit into the camera.

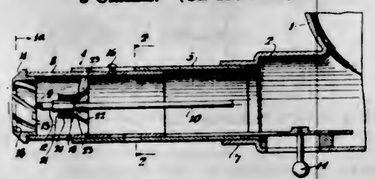
2,497,479
ROTATING VACUUM SEAL
John Joseph Vlach, Chicago, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application June 7, 1946, Serial No. 675,018
10 Claims. (Cl. 250—148)



1. An X-ray generator comprising means forming a sealed envelope providing a main chamber

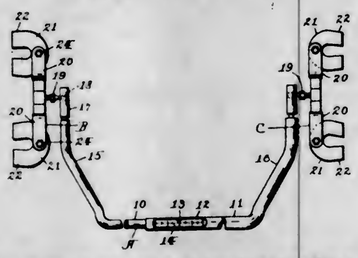
and a sleevelike extension, a cathode and a cooperating rotatable anode mounted within the main chamber, a shaft member drivingly connected with said anode and extending in said sleevelike extension and outwardly thereof through a shaft opening in said extension, means for sealing said opening against fluid leakage therethrough along said shaft member, comprising a running seal and flexible partition means supporting the same in position forming a liquid chamber in said sleevelike extension, at the end thereof remote from said main chamber, and around said shaft at said opening, means for maintaining a supply of liquid sealing medium in said liquid chamber, and exhaust conduit means connected to said sleevelike extension between said main and liquid chambers.

2,497,480
AIR DIRECTING MEANS FOR GUN TYPE OIL BURNERS
Murray Walshin, New York, N. Y., assignor to Silent-Flame Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application July 1, 1947, Serial No. 758,353
3 Claims. (Cl. 158—1.5)



1. In an oil burner of the class described, the combination of an outer tube for guiding a stream of air forced therethrough, relatively short funnel means located within and spaced from interior walls of said outer tube having a substantially uninterrupted interior surface for receiving and converging a portion of said air stream without rotation thereof and discharging it, and a relatively short and straight substantially tubular conduit in said outer tube and concentric therewith connected with the discharge end of said funnel means for receiving said discharged air, said conduit having inwardly projecting substantially spiralled air-guiding vanes for imparting in said conduit whirling motion to the air stream passing therethrough.

2,497,481
WHEEL GAUGE
Tobias Weber, Los Angeles, Calif.
Application October 3, 1945, Serial No. 619,961
1 Claim. (Cl. 33—203.2)



A combined camber and toe in gauge for a pair of oppositely disposed wheels of a vehicle, comprising tubular sectional extendable measuring arms telescoped together and having a scale between said sections for indicating length, and angularly disposed reach arms on the outer end portions of said sectional arms for supporting the measuring arm sections clear of the mechanism of the vehicle, and a pair of applicators on the outer extremities of said reach arms, each of said applicators comprising a body secured by a universal joint extended laterally from between the ends of said body to the side of the companion reach arm on an axis generally parallel to the axis of said measuring arms, and a pair of permanent magnets rigidly secured to the opposite end portions of said body having pole pieces disposed laterally from said body, said magnets being adapted to cling to the inner side surfaces of the rims of a pair of vehicle wheels while the measuring arms are supported in forward substantially horizontal position between said wheels clear of any interposed vehicle mechanism.

2,497,482
EDGE TOOL
Rubye Anne Jarveaux Wilson, New Orleans, La.; Margaret Wilson Johnson administratrix of said Rubye Anne Jarveaux Wilson, deceased
Application January 9, 1946, Serial No. 639,958
2 Claims. (Cl. 30—349)



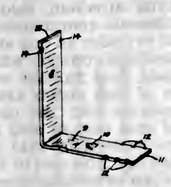
1. A blade-like holder of elongated form and triangular shape in cross-section with sides converging to a blunt edge and having a longitudinal recess extending therein from said blunt edge, and a cutting edge member set into said recess and having a bevelled cutting edge portion extending out of said recess provided with sides coplanar with the sides of said holder, said recess and said member having interfitting fluted sides for preventing the member from displacement out of said recess in the direction of said edge, said interfitting sides converging from the bottom of said recess to said blunt edge at a lesser angle than the sides of said holder and the sides of said bevelled cutting edge portion.

2,497,483
1-ACETYL-2-METHYL-2-CHLORO-METHYLCYCLOPROPANE
Kenneth E. Wilzbach, Chicago, Ill., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 14, 1948, Serial No. 65,290
1 Claim. (Cl. 260—586)

As a new compound 1-acetyl-2-methyl-2-chloromethylcyclopropane.

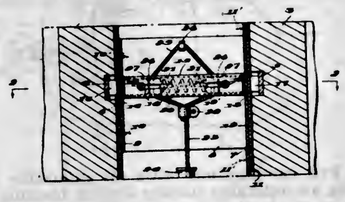
2,497,484
ELECTRICAL TERMINAL
Frank A. Wood, Elmhurst, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application February 19, 1947, Serial No. 729,539
2 Claims. (Cl. 173—363)

1. An electrical terminal having a pair of integral legs at an angle to each other, said terminal being mounted in a piece of insulation, said insulation having a slot therethrough for the passage of one of said legs, said one leg having a dished-in portion of resilient character, said portion having a depth dimension substantially greater than the height dimension of said slot, the other of said legs being disposed on one



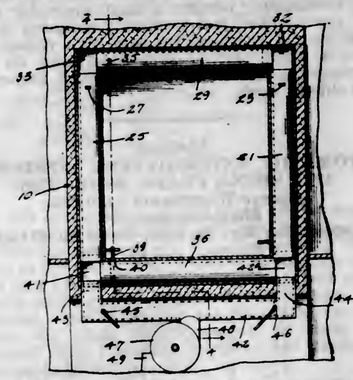
side of said dished-in portion, and a projecting barb on the other side of said dished-in portion; said dished-in portion of said terminal and the interaction of said other leg and said barb all cooperating to resist movement of said terminal in said slot.

2,497,485
MULTIPLE SAFETY LOCK
Walter R. Yost and Herman B. Wampler, Washington, D. C.
Application November 9, 1948, Serial No. 59,114
5 Claims. (Cl. 292—38)



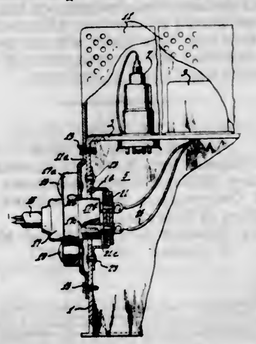
1. A multiple lock comprising, a flat mounting plate having relatively angularly disposed securing flanges at opposite ends thereof, an escutcheon being secured to one of said flanges, said flanges and said escutcheon respectively having relatively aligned bolt openings therethrough, a guide channel secured to said plate and extending between said openings, a pair of relatively spaced oppositely disposed bolts slidably disposed in said channel for movement through said respective openings, a helical spring disposed under compression in said channel between said bolts and normally projecting said bolts into operative locking position through said respective openings, said bolts being provided with relatively aligned spring positioning pins projecting into opposite axial ends of said spring, said bolts having cable openings disposed therethrough transversely to said channel and said channel having cable slots therethrough in registry with the respective opposite ends of said cable openings in all operative positions of said bolts, in combination with actuating means operable to retract said bolts through their respective openings comprising, a cable guide fixed to said mounting plate medially between and to one side of said bolts, a flexible cable extending transversely to the movement of said bolts from the side thereof opposite said cable guide, said cable being formed in a closed loop having a portion slidably disposed through said cable guide and portions on opposite sides of said cable guide slidably disposed through the respective cable openings in said bolts, whereby tension exerted on said cable transversely to the movement of said bolts will retract same.

2,497,486
FIREPLACE WITH SUPPLEMENTAL DRAFT MEANS
William V. Barber, Norfolk, Va.
Application November 5, 1945, Serial No. 626,663
1 Claim. (Cl. 126—120)



In a fireplace, an air supplying means therefor comprising a pair of vertical housings disposed at each side of the fireplace, upper and lower housings connected to and communicating with the opposite ends of said vertical housings, each of said housings having openings directed inwardly of the fireplace, an elongated tubular valve member in each housing extending along the length thereof, an arm carried by each valve member extending through said housings for rotatably adjusting the latter to regulate the discharge of air into the fireplace, a U-shaped manifold connected to the lower ends of said vertical housings, and a blower connected to said manifold.

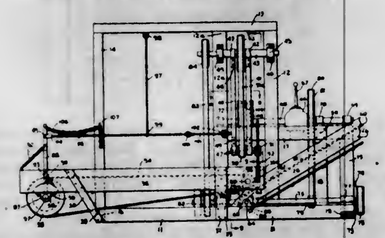
2,497,487
INTERLOCK
Elmer B. Cain, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1946, Serial No. 666,473
1 Claim. (Cl. 174—52)



In apparatus of the character described, a chassis defining a walled enclosure, high voltage apparatus mounted on the exterior surface of one wall of said enclosure, electrical connections for said high voltage apparatus extending through said wall and terminating in contacts

adjacent to the exterior surface of an adjacent wall of said enclosure, a cover defining a compartment for said high voltage apparatus removably mounted on the exterior surface of said first mentioned wall and overlapping said adjacent wall, a power line permanently affixed to said overlapping portion of said removable cover and having electrical terminals mounted to engage the said contacts for said high voltage apparatus upon placing said cover and its said overlapping portion in position with respect to said chassis walls.

2,497,488
AUTOMATIC INTERMITTENT FEED-AND-CUT SWING FRAME WOOD SAW
George Washington Cashwell, Elizabethtown, N. C.
Application May 20, 1946, Serial No. 671,072
4 Claims. (Cl. 143—46)



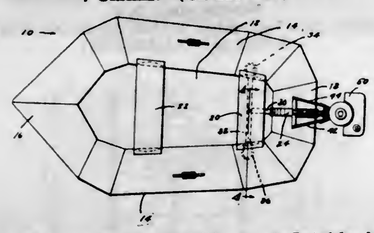
1. A wood saw of the kind described comprising a base frame, a scaffold on said frame, a log feeding conveyor belt adjacent said frame, a shaft on said scaffold, a swing frame rockably supported on said shaft, a rotatable saw on the lower end of said swing frame, operative connecting means between said saw and said first shaft for rotating said saw, a drive shaft carried by the frame, a crank on said drive shaft, a pitman between said crank and said swing frame for traversing said saw across said conveyor, said conveyor including a shaft at one end thereof, a ratchet on said shaft, a lever rockable on said conveyor shaft, a pawl rockable on said lever engaging said ratchet, and connecting means between said swing frame and the conveyor lever for effecting rocking of the conveyor shaft on retractive movement of the swing frame whereby said conveyor belt will be actuated in feeding direction upon swinging of said saw transversely away from the conveyor.

2,497,489
HYDRAULIC STRUT
John W. Coursen, New York, N. Y., and Edwin J. Schweitzer, Milford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 3, 1946, Serial No. 638,872
8 Claims. (Cl. 60—97)



1. In a piston and cylinder combination, a piston rod extended through an end wall of the cylinder and terminating within said cylinder and having its free end exposed to the pressure of the fluid in said cylinder during relative extending movement of said rod and cylinder, a piston adjacent the free end of said rod dividing said cylinder into two chambers and having a lost motion connection with said rod for permitting limited relative movement between said rod and piston in an axial direction, said rod having a fluid passage therein communicating with the chamber in said cylinder at one side of said piston, fluid connections, one of which communicates through said fluid passage with the chamber on one side of said piston and the other of which communicates with the chamber on the opposite side of said piston, and means for reducing the force exerted by said piston on said rod when the full line pressure of the fluid builds up at the end of an extending movement of said cylinder and rod including a sleeve in said cylinder for engaging the piston just prior to the completion of an extending operation of said cylinder and rod.

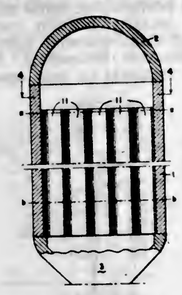
2,497,490
OUTBOARD MOTOR MOUNTING FOR BOATS
Louis R. Daniels, Belmont, Mass.
Application September 27, 1945, Serial No. 618,933
7 Claims. (Cl. 115—17)



1. The combination with an inflatable boat having an inflatable tubular section forming side walls of the boat and a floor extending between the side walls and being secured at their under sides, of a rigid enclosure element mounted around the outer circumferential surface of a stern side wall of the tubular section, said enclosure element being adapted to tightly grip the tubular section when the latter is in its normally inflated operating condition, one extremity of the enclosure element being located inside the boat at a point adjacent to the inner junction of the flooring with its respective tubular section, the other extremity of the enclosure element extending around the tubular section and terminating at the under side thereof at a point adjacent to the outer junction of the flooring with its respective tubular section, a stabilizing element fixed to the inside extremity of the enclosure element and extending forwardly in contact with the floor of the boat and means on the enclosure element for supporting an outboard motor.

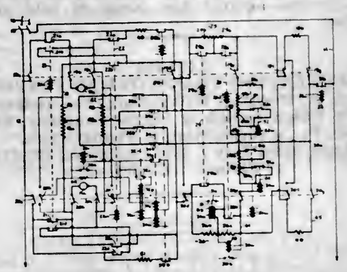
2,497,491
ACCUMULATOR
James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 25, 1945, Serial No. 601,516
10 Claims. (Cl. 138—30)

1. An accumulator, comprising a fluid tight vessel adapted to contain a quantity of liquid and a compressed gas above said liquid and having an opening at its lower end for the flow of liquid to and from the interior of said vessel, and a plurality of channels arranged within said vessel to divide the cross-sectional area thereof into a plurality of passages each of which has sufficient length and a sufficiently small cross-sectional



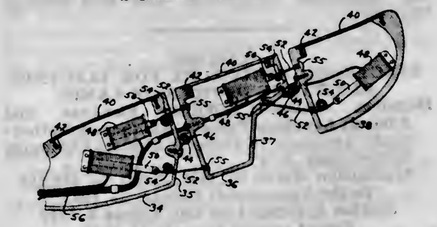
area to prevent the upper portion of the liquid in said vessel from being agitated by liquid entering said vessel thru said opening.

2,497,492
CONTROL MEANS FOR DYNAMIC BRAKING
Alvin C. Dyer, Shaker Heights, Ohio, assignor to The Electric Controller & Manufacturing Co., Cleveland, Ohio, a corporation of Ohio
Application July 9, 1947, Serial No. 759,817
21 Claims. (Cl. 318—57)



1. A dynamic braking control system comprising a plurality of direct current motors each having an armature winding and a series field winding, switching means for connecting the windings of each motor in series with each other and said motors in parallel with each other across a source of power for operation thereof as series machines with terminals of like polarity of said armature windings at substantially the same potential and terminals of like polarity of said field windings at substantially the same potential, said switching means including means for reversing said motors concurrently, armature cross connections connecting said armature terminals of like polarity to common armature junction points, respectively, field cross connections connecting said field terminals of like polarity to common field junction points, respectively, a first pair of dynamic braking connections respective to said common field junction points and independently connecting their associated field junction points with one of said common armature junction points, a second pair of dynamic braking connections respective to said common field junction points and independently connecting their associated field junction points with the other one of said common armature junction points, and control means for making and breaking said dynamic braking connections selectively.

2,497,493
ARTIFICIAL ARM
Harold Theodore Edwards, Los Angeles, Calif.
Application August 19, 1946, Serial No. 691,543
2 Claims. (Cl. 3—12)

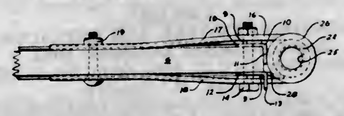


1. An artificial hand including digits each of which comprises flexibly connected sections, and electro-magnetic means for controlling movement of the sections, said means including a separate pair of electro-magnets for each pair of adjacent sections, one electro-magnet of each pair adapted when energized for flexing of the sections, the other electro-magnet of each pair adapted when energized to return the sections to extended position.

2,497,494
STALL WARNING DEVICE FOR AIRPLANES
Glen L. Fleming, San Leandro, Calif.
Application September 3, 1947, Serial No. 771,917
3 Claims. (Cl. 244—1)

1. In an airplane stall warning device, the combination which comprises an airplane wing having a substantially semi-circular leading edge and in which the chord axis of the wing is in a plane extended through the center of the said semi-circular leading edge, said leading edge of the wing having a whistle producing slot in the forward surface thereof and said slot positioned slightly above the said chord axis whereby as the airplane approaches the stall angle thereof the whistle will produce a warning sound.

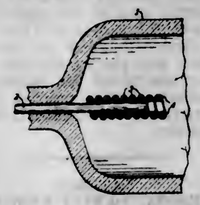
2,497,495
GATE HINGE STRUCTURE
William A. Gilmore, Dayton, Ohio
Application May 13, 1946, Serial No. 669,404
9 Claims. (Cl. 39—87)



2. In a gate of the type having a plurality of vertically spaced longitudinal members and a rigid upright supporting structure secured to the rear ends of said longitudinal members and including an angle bar having a laterally extending flange, a hinge member secured to one of said longitudinal members and to said upright structure and extending rearwardly beyond the latter,

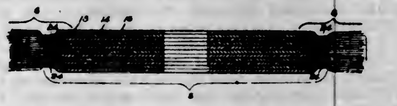
a bearing member carried by said hinge member and adapted to receive the pintle of a stationary hinge member, and a part struck from said flange, extending rearwardly therefrom and having supporting connection with said bearing member.

2,497,496
ELECTRODE STRUCTURE FOR ELECTRIC DISCHARGE DEVICES OR LAMPS
Henricus Gooskens, Willem Elenbaas, and Adriaan Abraham Padmos, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y.
Application March 30, 1946, Serial No. 658,410
In the Netherlands January 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 15, 1963
4 Claims. (Cl. 176—126)



1. An electrode structure for high pressure mercury vapor lamps and comprising a lead-in conductor and an over-wound coil constructed of a metal from the group of tungsten and molybdenum, said coil extending beyond the end of the conductor providing a recess and having its end-turn coated with a thin surface layer consisting essentially of a mixture of metallic tantalum and thorium.

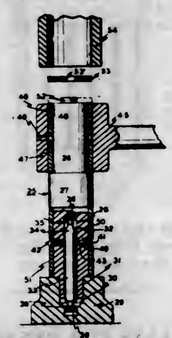
2,497,497
ROTARY CYLINDER ABRADING TOOL
Elisha W. Hall, Scituate, Mass.
Application October 3, 1944, Serial No. 556,928
10 Claims. (Cl. 51—193)



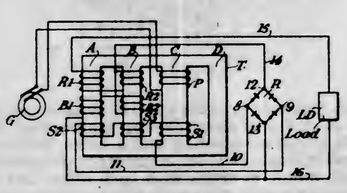
6. A buffing wheel comprising a strip of textile material wound in the form of a spiral, a fabric sheet having a slit positioned between two convolutions of said textile material, said textile material extending through said slit, and means for securing said textile material to said fabric sheet.

2,497,498
BUSHING REMOVER AND REPLACER
Bert C. Hamilton, La Grande, Oreg.
Application April 22, 1948, Serial No. 22,867
2 Claims. (Cl. 29—283)

1. In a device of the character described for removing and replacing a pair of spaced bushings, a post member having upper and lower main cylindrical sections of the same diameter, a shoulder of larger diameter separating said main sections, an annular groove in one of said main sections, a plurality of spacers in said groove and radially slidable therein, said groove being of sufficient depth radially to enable said spacers to be entirely contained within said groove when said spacers are in their innermost position, spring means normally holding said spacers in said innermost position, an axial channel in said grooved main section, branch radial channels connecting said axial channel with said groove, engageable elements extending through said branch radial channels to said spacers, a manually-operable plunger located in said axial channel and extending beyond the end of said post member, and a cam surface on said plunger arranged for engagement with said engageable elements for moving said spacers outwardly in said groove against the force of said spring means.

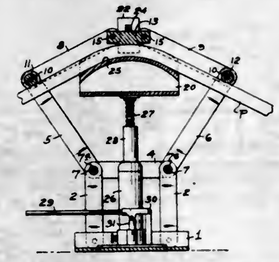


2,497,499
REGULATING TRANSFORMER SYSTEM
Linnie K. Hedding, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 7, 1945, Serial No. 603,675
10 Claims. (Cl. 321—16)



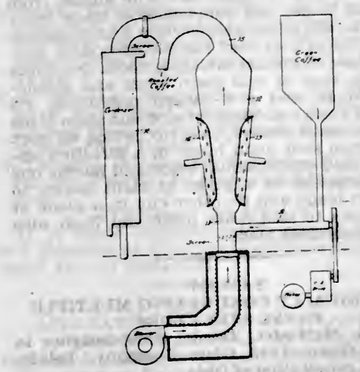
1. In regulating apparatus, the combination comprising, a magnetizable core structure having at least four legs, a primary winding mounted on one leg of the core and connected to an alternating current source to create an alternating current flux that threads the remaining legs of the core in multiple, a secondary winding comprising a main coil mounted on said one leg and two auxiliary coils mounted one on each of two other legs of said core, said main and auxiliary coils connected in series to input terminals of a rectifier and disposed for the auxiliary coils to add their alternating voltages and to oppose the alternating voltage of the main coil, a load circuit connected to output terminals of said rectifier to receive current of a value predetermined by the resultant voltage of said secondary winding, and a pair of regulating coils mounted one on each leg carrying an auxiliary coil and interposed in series aiding in said load circuit to regulate the portion of the alternating current flux threading the legs carrying said auxiliary coils according to the load circuit current.

2,497,500
PIPE BENDER AND STRAIGHTENER
Corrie Hightower and Herold Springett, Quincy, Ill.
Application May 5, 1948, Serial No. 25,134
1 Claim. (Cl. 153—33)



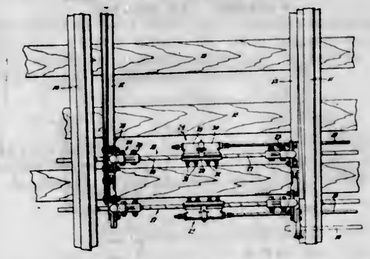
In a pipe bender, the combination of a base means, a pair of links pivoted to spaced portions of said base means, a pair of shaper arms, pivot means pivotally connecting said links with said shaper arms, respectively, shaping rollers mounted on said pivot means, a block means, means pivoting opposite ends of said block means to said shaper arms, respectively, said block means and shaper rollers being adapted to contact a pipe on the same side thereof, a shaping head having a presser face in opposed relationship with said block means, said presser face being adapted to contact the said pipe at the side thereof opposite to the side contacted by said block means and shaping rollers whereby a substantially three-point engagement between the said pipe and the pipe bender is obtained, hydraulic means mounted on said base means for moving said bending head toward and from said base whereby said shaper rollers swing the pipe into contact with said pressure face to curve the pipe.

2,497,501
TREATMENT OF COFFEE, ETC.
Loran B. Himmel and Ruth V. Bush, Des Moines, Iowa, assignors, by mesne assignments, to Ross M. Carrell
Application April 27, 1946, Serial No. 665,521
3 Claims. (Cl. 99—68)



1. A method of roasting coffee particles which comprises suspending the particles in an upwardly moving gaseous stream having a density below that of the particles, maintaining the temperature of the gaseous stream sufficiently high to permit roasting of the particle, subjecting the suspended particle to an high frequency electrical field to roast internally and controlling the rate of upward flow of the gaseous stream so that the particles remain suspended in the field until a substantial reduction of the density of the particle has occurred and thereafter are swept from the field by the gaseous stream.

2,497,502
RAILROAD SWITCH ADJUSTMENT
Albert F. Huber, Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application February 24, 1945, Serial No. 579,518
21 Claims. (Cl. 246—450)



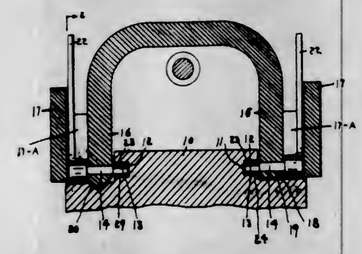
10. In a railroad track rod adjustment, rod sections, a channel bar partially surrounding said sections, a pair of adjustment housings one for each rod section, bolts connecting said housings and rod sections to said channel bar, said housings having aligned openings, said openings each having an internally screw threaded portion and a guide portion, a sleeve having corresponding guide portions and externally threaded portions engaging said internally threaded portions for providing turnbuckle adjustment between said housings, said bolt-connected parts having clearance openings around said bolts to permit such adjustment, a connecting rod passing through said aligned openings, said connecting rod having adjustment nuts, said housings having cylindrical clearance recesses for said adjustment nuts, said sleeve having a central flat sided portion, said housing having aligned flanged portions and a split sleeve surrounding said flange portions and having an internal flat surface fitting said sleeve flat sided portion.

2,497,503
PREPARATION OF SUBSTITUTED PHENOLS
John Leslie Jones, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application March 7, 1946, Serial No. 652,790
5 Claims. (Cl. 260—621)

1. In a method of preparing phenols having unsaturated substituents that comprises (1) condensing two molecules of phenol in the presence of an acid catalyst with one molecule of a ketone of the class consisting of cyclohexanone and alkyl methyl ketones in which the alkyl radicals consist of primary and secondary normal alkyl radicals having from one to five carbon atoms, (2) heating the condensation product to a temperature at which pyrolysis occurs to produce a phenol having an unsaturated substituent and (3) distilling off the substituted phenol, the step

of, prior to pyrolyzing, adding to the condensation product a strong alkali metal base in an amount in excess of the equivalent of the acid catalyst remaining in the condensation product, whereby the substituted phenol is distilled without substantial polymerization.

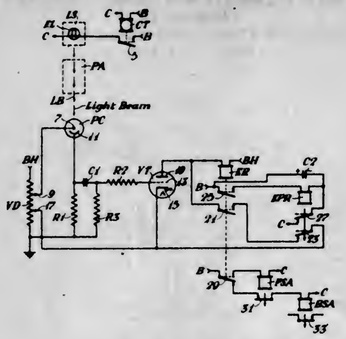
2,497,504
LOOSE HEADSTOCK OF A LATHE
Johan George Kronouer, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 3, 1946, Serial No. 667,036
In the Netherlands March 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1962
4 Claims. (Cl. 82—31)



1. Stock apparatus for a lathe, which comprises a stock member having side-wall portions and perforated rib portions in spaced-apart relation, a bed-like support member having a V-shaped gutter-like slot and square slide slots parallel to each other and to the said wall portions and rib portions, lever members, shaft members attached to said levers at the ends thereof and mounted for rotation in the said perforations and having eccentrically connected end portions, and roller members mounted for rotation on the said eccentric end portions, said rollers bearing on the top and bottom surfaces of the said square slots according to the extent and direction of the actuation of said levers.

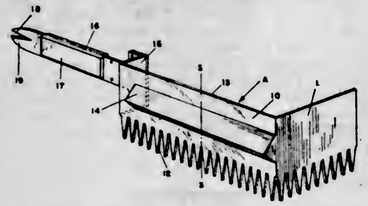
2,497,505
ELECTRON TUBE CIRCUITS
Paul N. Martin, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 6, 1948, Serial No. 42,833
11 Claims. (Cl. 315—340)

1. In combination, a source of direct current, an electron discharge device supplied with current from said source, said device having an anode-cathode circuit which is rendered conductive by the application of a control voltage and which remains conductive when said voltage is reduced, as long as current is supplied thereto from said source, means for applying a control voltage to said device to render said circuit conductive, a first relay having its winding connected in series with said circuit to the terminals of said source, said relay assuming its energized position when said circuit becomes conductive, means including a front contact of said relay for short-circuiting said anode-cathode circuit to render said device non-conductive without releasing said relay, and means including a contact of a second relay controlled by said relay for removing said short circuit after said first relay has been picked up for a time interval long enough to enable said



device to change from its conductive to its non-conductive state.

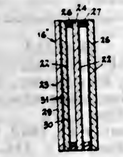
2,497,506
GARDEN TOOL
Joseph B. McCaskill, Oakland, Calif.
Application July 6, 1945, Serial No. 603,481
1 Claim. (Cl. 97—62)



An agricultural tool consisting of a handle portion, an offset wing portion projecting laterally at right angles from said handle portion, a main blade attached at right angles to said offset wing portions and extending in a direction opposite to said handle portion, a supplemental blade extending laterally at right angles from said main blade, said supplemental blade being parallel to said offset wing portion and extending beyond the axis of said handle portion, a continuous row of ground-engaging teeth extending along one edge of said main blade and supplemental blade, and a V-shaped reinforcing rib extending from and lengthwise of said main blade above the teeth thereof, said rib having its apex spaced from said main blade in a direction opposite to said supplemental blade and having one end terminating in a plane at right angles to said main blade and its other end in a plane at right angles to said main blade and flush with said supplemental blade.

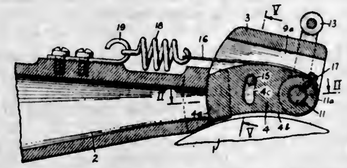
2,497,507
ELECTRICALLY CONDUCTING MULTIPLE PANEL STRUCTURE
Harold A. McMaster, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 14, 1947, Serial No. 779,733
2 Claims. (Cl. 219—19)

1. A window comprising a plurality of transparent panels, one of which is a sheet of laminated glass and another of which is an unlaminated sheet of glass, means arranged around and secured to the marginal portions of said panels for maintaining the same in spaced relation, a clear



transparent electrically conducting coating of tin oxide on that surface of said unlaminated sheet facing said laminated glass sheet, and spaced electrodes in electrical contact with said coating.

2,497,508
TURBINE ADJUTAGE
Anthony George Maldon Michell, Melbourne, Victoria, Australia
Application April 9, 1948, Serial No. 19,989
5 Claims. (Cl. 253—22)



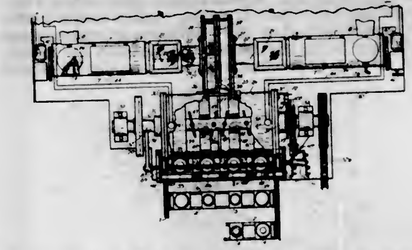
1. A nozzle for a water turbine, the outflow end of said nozzle being terminated by an arc of a concave cylindrical surface and being constructed to form an aperture of fixed dimension through said surface, combined with an adjutage comprising plane parallel sides, a tongue between said sides pivotally supported near one of its ends on an axis spaced from said surface of the nozzle, its other end being terminated by an arc of a convex cylindrical surface of the same radius as that of the end of the nozzle, opposed to, matching and movable over the apertured end of the nozzle to form therewith an adjustable valve.

2,497,509
STABLE, SUPERSATURATED AQUEOUS SOLUTIONS OF SACCHARIDE DERIVATIVES OF THE SUPRARENAL CORTICAL HORMONE SERIES AND PROCESS OF MAKING SAME
Karl Miescher, Riehen, and Charles Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J., a corporation of New Jersey
No Drawing. Application November 21, 1945, Serial No. 630,116. In Switzerland December 22, 1944
12 Claims. (Cl. 167—77)

11. A stable, supersaturated aqueous solution of a glucoside of desoxycorticosterone containing about 10% of acetamide.

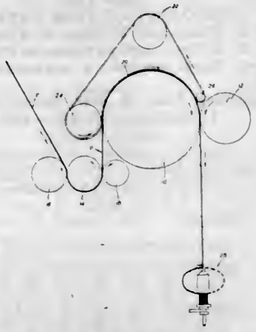
2,497,510
APPARATUS FOR FEEDING PLASTIC CERAMIC MATERIAL TO MOLDS
William J. Miller, Pittsburgh, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 13, 1946, Serial No. 676,385
24 Claims. (Cl. 25—22)

1. Clay feeding apparatus comprising, a pair of pug mills, a primary manifold for receiving the discharge therefrom, a secondary manifold for receiving the discharge from the first manifold,



a plurality of fluid actuated chargers associated with the second manifold, and power driven spiral snails associated with each manifold for forcing clay therefrom.

2,497,511
DIRECT SPINNING MACHINE AND METHOD
Charles Eugene Neisler, Jr., Kings Mountain, N. C.
Application July 23, 1948, Serial No. 40,209
4 Claims. (Cl. 57—2)

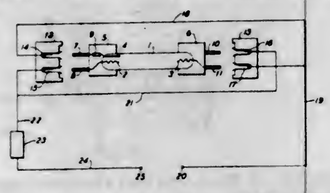


1. In a machine for producing staple fibers from continuous filaments, said machine comprising two pairs of driven rolls which are operable to tension and rupture the filaments into the staple fibers, while said filaments pass from one of said pairs of rolls to the other of said pairs of rolls; a movable flexible web mounted in juxtaposition to one of the rolls of said other pair for pressing the fibers against the peripheral surface of said one of the rolls, said web being free of engagement with the other roll of said other pair.

2,497,512
ELECTRIC GAS-DISCHARGE TUBE
Adriaan Abraham Padmos and Pieter Schouwstra, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y.
Application April 27, 1946, Serial No. 665,386
In the Netherlands September 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 17, 1962
2 Claims. (Cl. 315—334)

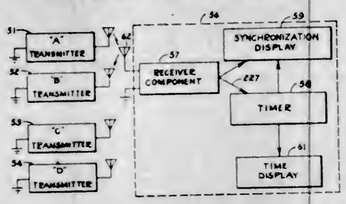
1. A device comprising in combination, a gas discharge tube comprising two main electrodes, an auxiliary electrode, contact studs mounted on the tube ends and connected to said electrodes and an impedance mounted in series with the

auxiliary discharge path, two tube holders engaging the ends of the tube and each provided with two contact elements one of which makes contact with the contact stud of a main electrode and the other of which makes contact with the contact stud of the auxiliary electrode when said stud is in the holder, and means independent of said tube connecting the contact element



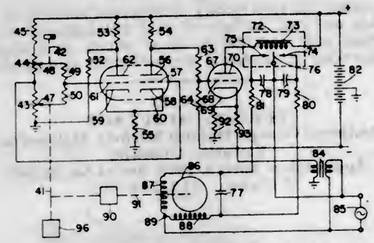
of each tube holder which is in contact with the main contact stud of a main electrode to the contact element of the other tube holder which is not in contact with the contact stud of a main electrode whereby said tube is connected correctly in whatever position it is inserted in said holders with its studs engaging the holder contact elements.

2,497,513
RADIO NAVIGATION SYSTEM
George R. Paine and William C. Platt, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application June 10, 1948, Serial No. 32,096
15 Claims. (Cl. 343—103)



1. In a long range navigation system wherein periodically recurring radio pulses are transmitted from A and B stations with precise and characteristic time intervals between like pulses and between each A-station pulse and the succeeding B-station pulse, a receiver for receiving said pulses, a cathode ray tube connected thereto for displaying said received pulses, a deflection circuit connected to said cathode ray tube, timing means variable in its frequency of operation connected to said deflection circuit for producing successive pairs of horizontal traces on said cathode ray tube screen the start of said traces being determined by the frequency of operation of said timing means, means connected to said timing means for adjustably and continuously varying the frequency of operation thereof whereby the rate of change of the start of said traces with respect to the times of recurrence of said A pulse may be varied, means connected with said timing means for automatically maintaining the start of said traces in exact synchronism with the times of recurrence of said A pulses when said starting time has been adjusted within a predetermined range by said means for adjustably and continuously varying the frequency of operation of said timing means, means for adjusting the start of the trace on which said B pulse appears to align said A and B pulses and means for displaying the time elapsed between the start of the trace on which said A pulse appears and the start of the trace on which said B pulse appears.

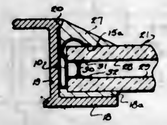
2,497,514
RELAY SERVO
James P. Palmer, Hawthorne, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application November 13, 1946, Serial No. 709,575
9 Claims. (Cl. 318—29)



1. In a servo mechanism of the class described, a thermionic amplifier, a source of direct current potential, a potentiometer connected to said source, a second potentiometer connected to said source and to said first potentiometer, variable contacts on said potentiometers, the variable contact on said first potentiometer being mechanically connected to an input shaft, the variable contact on second potentiometer being mechanically connected to an output shaft and both said variable contacts being electrically connected to the input circuit of said amplifier, an alternating current supply, connections from said alternating current supply whereby a pulsating current is produced in said amplifier circuit whose average value is a function of the relative positions of said variable contacts on said potentiometers, a relay comprising an actuating coil, a pair of fixed contacts in opposed relations and a movable contact adapted for alternate engagement with said fixed contacts, said actuating coil being connected in said amplifier output circuit whereby said relay movable contact is caused to alternately engage said fixed contacts in timed relation with the frequency of the pulsating current in said amplifier output circuit, an electrical connection from said movable relay contact to one side of a source of alternating current potential, a connection from one of said fixed contacts to one end of one of a pair of field coils of a two phase motor, a connection from the other of said fixed contacts to one end of the other of said field coils, the other ends of said two field coils being connected together and to the other side of said source of alternating current potential, a condenser connected in parallel with said field coils and to said fixed contacts, and a mechanical connection from said motor to said output shaft whereby movement imparted to said input shaft results in an equal movement of said output shaft.

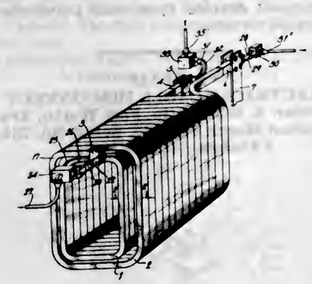
2,497,515
GLAZING CONSTRUCTION
John P. Pearse, Swanton, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 7, 1945, Serial No. 603,671
3 Claims. (Cl. 189—77)

1. A mechanical fastening means for glazing a window pane into a sash comprising a spring clip of resilient sheet material bent into substantially V shape in cross section to provide a pair of connected but diverging legs, one of which is adapted to engage the sash and the other of which is adapted to engage the window pane, said second-mentioned leg being of a shape resembling a shepherd's crook in cross section having a straight pressure portion adjacent the apex of said V and having its free end bent first toward the first-mentioned leg to form a pressure relieving portion and then bent away from said first-mentioned



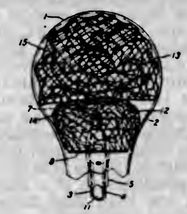
leg to form a pressure flange, whereby when said clip is forced into position between the sash and the edge of the window pane with the first-mentioned leg in contact with the sash the straight portion of the second-mentioned leg will exert lateral pressure against the edge of the window pane to center it in the sash the pressure flange will exert perpendicular pressure against the marginal portion of a face of the window pane to hold the pane in the sash and the pressure relieving portion will be in surrounding relation to and out of contact with the adjacent longitudinal corner of said window pane.

2,497,516
ELECTRICAL WINDING
George H. Phelps, Floral Park, N. Y., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application April 22, 1944, Serial No. 532,295
2 Claims. (Cl. 175—356)



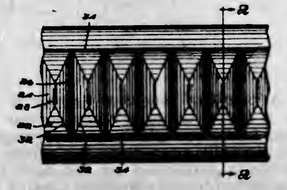
1. An electrically conductive coil for carrying a heavy current which coil comprises a pair of superimposed wound conductors, each conductor including a pair of conducting elements, each element having a substantially semi-cylindrical depression therein running longitudinally thereof and a copper tube between the elements and within the depressions for carrying a cooling medium, an insulating strip between the conductors, insulating material surrounding the conductors and securing them together and means for supplying a cooling fluid to the copper tubes.

2,497,517
FLASH LAMP
Marvin Pipkin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 18, 1947, Serial No. 722,783
3 Claims. (Cl. 67—31)



3. A flash lamp comprising a light-transmitting bulb containing a combustion-supporting gas, a quantity of thin-sectioned solid combustible material loosely arranged within and substantially filling the active portion of said bulb, said combustible material comprising separate masses of material of different combustion rates disposed in predetermined relation with each other within the bulb, and a non-combustible flexible light-transmitting net enclosing at least one of said masses of combustible material to thereby hold the said masses in said predetermined relation.

2,497,518
TIRE TREAD
Enzo A. Salcy, Allston, Mass.
Application April 1, 1947, Serial No. 738,617
3 Claims. (Cl. 152—209)



3. A tire tread for a pneumatic tire casing having rectangular shaped suction cups spaced transversely around the tire, the transverse walls of each pocket being parallel to the axis of the tire, the transverse walls of each pocket merging together at the bottom of the pockets, said transverse walls forming V-shaped ribs separating the pockets, said pockets having lateral triangular shaped walls inwardly sloping toward the bottom of the pockets.

2,497,519
ART OF STABILIZING RAYON TYPE FABRIC
Archibald S. Stevenson, Pawtucket, and Leo Beer, Providence, R. I., assignors to Alrose Chemical Company, Cranston, R. I., a corporation of Rhode Island
No Drawing. Application December 4, 1946, Serial No. 713,918
15 Claims. (Cl. 8—125)

1. The process of treating textile fabric of rayon type by subjecting the fabric while main-

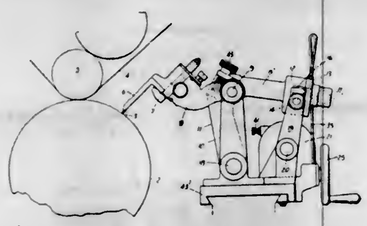
tained in the open width to aqueous solution of caustic alkali in concentration of 30 to 50 per cent at a temperature of 20 to 60 degrees C. for a period of time varying substantially inversely with the speed of penetration of caustic into the fabric, said period of time being but a few seconds where the fabric is rapidly saturated with said caustic solution, squeezing until the fabric retains 60 to 100 per cent of caustic solution based on the fabric weight, and, within a period well under one minute after the start of the caustic impregnation, neutralizing directly without prior dilution of the caustic in the treated fabric, washing the fabric substantially to free it of the neutralized impregnating agents, drying the fabric and adjusting to predetermined width, all of said steps being performed under substantially slack condition of the length of the fabric with resultant stabilization at a length contraction materially less than that incurred in conventional shrinkage treatment.

2,497,520

DOCTOR BLADE MECHANISM FOR USE IN ROTARY INTAGLIO PRINTING MACHINES

Norman Peter Toft, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York

Application October 23, 1946, Serial No. 705,022
In Great Britain November 2, 1945
7 Claims. (Cl. 101—157)



6. In a printing machine having a printing cylinder, a doctor blade, a blade carrier with an extension, first arms pivotally supported on the base and pivotally supporting the carrier, second arms pivotally supported on the base and pivotally connected to the extension, means to swing the second arms to move the carrier and the blade bodily toward and from the cylinder in a major movement, and in combination, means to move the extension relative to the second arms to rock the carrier and thereby move the blade toward and from the cylinder in a minor movement.

2,497,521

OIL COMPOSITIONS CONTAINING AMINE SALTS OF BORO-DIOL COMPLEXES

Charles E. Trautman, Cheswick, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application December 3, 1947, Serial No. 789,569
12 Claims. (Cl. 252—389)

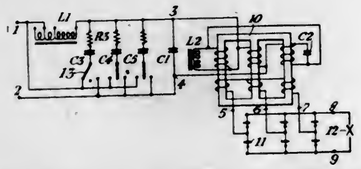
1. A composition of matter consisting essentially of a major proportion of a hydrocarbon oil and between about 0.001 and about 0.5 per cent by weight of the composition of an amine salt of an acid compound of boric acid and a member selected from the group consisting of glycols and polyhydroxy benzenes.

2,497,522

APPARATUS FOR OPERATING DEVICES HAVING A NEGATIVE RESISTANCE CHARACTERISTIC FROM AN ALTERNATING ELECTRIC CURRENT SUPPLY CIRCUIT

Alec Hervey Bennett Walker, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 9, 1947, Serial No. 746,903
In Great Britain May 17, 1946
6 Claims. (Cl. 321—57)



1. Current regulating apparatus for operating a device having a negative resistance characteristic by direct current derived from a single phase alternating current supply circuit, comprising a ballast impedance and a polyphase transformer provided with a phase converter and connected to said device through a polyphase rectifier, said ballast impedance comprising a condenser and reactor connected in series across the terminals of said supply circuit and having substantially equal and opposite reactive characteristics at the supply frequency, the output terminals of said ballast impedance being connected to the primary winding of at least one phase of said polyphase transformer, said ballast impedance and the phase converter associated with said transformer cooperating to cause the delivery of balanced polyphase currents regulated to compensate for changes in the resistance of said device to said rectifier in such manner that said rectifier is caused to supply a substantially constant direct current derived from said polyphase currents to said device.

2,497,523

ELECTRICAL CABLE DISCONNECT

Herman S. Warkentin, Fort Worth, Tex.

Application March 14, 1947, Serial No. 734,586
2 Claims. (Cl. 287—76)



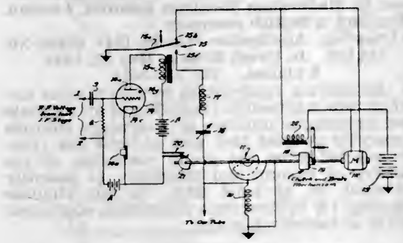
1. In a connector unit for coupling electric conductors, the combination comprising a die formed body element of a conductive material, a finger cut from said body and offset therefrom to extend parallel thereto but spaced therefrom, an offset formed transversely of said body at the end of said finger and opposite from the offset of said finger whereby the said unit can be firmly connected with a similar unit, the finger of each unit interlocking with that of the other, and a sleeve formed with said body providing means for connecting the same to a conductor.

2,497,524

AUTOMATIC TUNING APPARATUS

Verlis H. Wiley, Kenmore, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.

Application May 6, 1944, Serial No. 534,389
3 Claims. (Cl. 250—40)



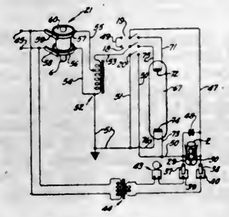
1. In automatic tuning apparatus, in combination, a tunable circuit including an adjustable tuning instrumentality, a motor for adjusting said tuning instrumentality to tune said circuit over a predetermined frequency range, means including a control tube coupled to said tunable circuit and responsive to a predetermined amplitude of signal energy developed therein by resonance for deenergizing said motor to terminate adjustment thereby of said tuning instrumentality, means for preventing deenergization of said motor during intervals when said circuit is being tuned in one direction through its frequency range, and an auxiliary reactive circuit controlled by said first-mentioned means to be effective only upon deenergization of said motor for compensating the change of frequency of said tunable circuit caused by the inertia of said motor effecting appreciable continuing movement of said tuning instrumentality after said motor is deenergized.

2,497,525

STARTER SWITCH SEASONING AND TESTING APPARATUS

Leon H. Zyta, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application July 9, 1947, Serial No. 759,785
8 Claims. (Cl. 175—183)



1. Apparatus of the class described comprising in combination, a movable carrier, a head on said carrier including a holder for supporting and making electrical connections to a starter switch, said head having mounted thereon a discharge lamp, a ballast for said lamp, and switching means, means for connecting said ballast to a source of electrical energy during movement of said head, means to connect said lamp through contacts of said switching means and through said ballast across said source of electrical energy and means to also connect said starter switch through other contacts of said switching means across said lamp, and means mounted along the course of movement of said head for actuating said switching means to close the aforesaid contacts and connect said starter switch across said lamp and also connect said lamp through said ballast across said source of electrical energy whereby to initiate starting and operation of said lamp so as to indicate at a location farther along said course of movement by the operation of said lamp or failure thereof the operativeness or inoperativeness of said starter switch.

2,497,526

PROCESS OF TREATING A POLYMERIC NITRILE WITH HYDRAZINE

Harold W. Arnold, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 26, 1948, Serial No. 11,320
7 Claims. (Cl. 8—55)

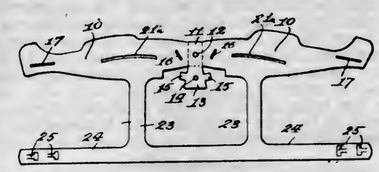
1. A process which comprises contacting a polymeric nitrile with hydrazine at a temperature of from 20° to 180° C. until the dye receptivity of said polymeric nitrile is substantially increased, said polymeric nitrile being the polymer of an unsaturated mononitrile of the formula $H_2C{=}CRCN$ wherein R is selected from the group consisting of hydrogen and monovalent hydrocarbon radicals.

2,497,527

TOY AIRPLANE HEADBAND

Emma Omar Bacon, Los Angeles, Calif.

Application April 2, 1947, Serial No. 738,808
3 Claims. (Cl. 46—53)



1. In a toy airplane head band, a body formed from a single piece of thin sheet material bent double to form a pair of identical side walls and a narrow front wall between the forward ends of said side walls, an inclined wall projecting upwardly from the lower end of said front wall, between the forward portions of said side walls, with pairs of slots formed in said side walls a spindle seated in said inclined and front walls and projecting forwardly from the latter, a propeller mounted on the forward portion of said spindle, a separately formed wing representing member, removably seated in one pair of said slots, and a separately formed stabilizer removably seated in the other pair of said slots.

2,497,528

WATERPROOF STOCKING AND SHOE PROTECTOR

Wren E. Baker, Baltimore, Md.

Application May 16, 1947, Serial No. 748,505
1 Claim. (Cl. 36—10)

A glove for a foot comprising a thin plastic shell of uniform thickness, said shell having a sole engaging portion contoured to elastically fit the foot of the wearer and an upper portion terminating in a rim closely fitting the top of the

foot, and the heel and toe portions of said sole having a plurality of spaced narrow independent ribs disposed only longitudinally of the sole throughout the length of the heel portion of the



sole and at the extreme toe end only thereof, each of the ribs at the toe end of the sole continuing up onto the forward end of the upper portion.

2,497,529

PROCESS FOR PRODUCTION OF MAGNESIUM BASE ALLOYS CONTAINING ZIRCONIUM

Charles J. P. Ball, London, Francis A. Fox, Manchester, and Alfred Claude Jessup and Edward Frederick Emley, Clifton Junction Works, near Manchester, England, assignors to Magnesium Elektron Limited, London, England, a British company

No Drawing. Application March 8, 1946, Serial No. 653,147. In Great Britain March 22, 1945

2 Claims. (Cl. 75—168)

1. A process for the production of magnesium base alloys containing zirconium comprising reacting molten magnesium, in the absence of any appreciable quantity of aluminum, silicon, manganese, cobalt, nickel, tin and antimony, with a substance consisting of at least 5% of zirconium in the form of zirconium fluoride together with at least two of the fluorides of lithium, barium, strontium, calcium, and magnesium, said fluorides being present in quantities relative to each other to cause the fluorides both with and without the magnesium fluoride produced during alloying to be fluid at the alloying temperature between 750° C. and 900° C.

2,497,530

MASTER ALLOY FOR INTRODUCING ZIRCONIUM INTO MAGNESIUM

Charles J. P. Ball, London, Francis A. Fox, Manchester, and Alfred Claude Jessup and Edward Frederick Emley, near Manchester, England, assignors to Magnesium Elektron Limited, London, England, a British company

No Drawing. Application March 8, 1946, Serial No. 653,148. In Great Britain March 22, 1945

2 Claims. (Cl. 75—168)

1. A master alloy for introducing zirconium into magnesium consisting of (1) a salt phase in quantity not exceeding 30% of the composition and consisting of at least two salts selected from the group of halides consisting of the halides of magnesium, lithium, calcium, barium and strontium, said salt phase containing at least some magnesium fluoride; (2) a matrix phase consisting essentially of at least one of the metals selected from the group consisting of magnesium, zinc, cadmium, cerium, silver, thallium, thorium, copper, bismuth, beryllium, calcium, and lead; and (3) metallic zirconium produced by reduction of zirconium fluoride by magnesium in the presence of the salt phase; the master alloy containing at least 3% of metallic zirconium and being substantially free from aluminum, manganese, tin, silicon, cobalt, nickel, and antimony.

2,497,531

ALLOYING COMPOSITION FOR INTRODUCING ZIRCONIUM INTO MAGNESIUM

Charles James Prior Ball, London, Alfred C. Jessup and Edward F. Emley, near Manchester, and Philip A. Fisher, Flixton, England, assignors to Magnesium Elektron Limited, London, England, a British company

No Drawing. Application May 14, 1947, Serial No. 748,108. In Great Britain May 17, 1946

4 Claims. (Cl. 75—168)

1. An alloying composition for introducing zirconium into magnesium consisting of an intimate fused anhydrous mixture of zirconium chloride in quantity at least 15% and at least one chloride selected from the group consisting of the chlorides of barium and strontium in quantity equivalent to at least 30% barium chloride reckoning 1% of strontium chloride as equivalent to 0.7% of barium chloride.

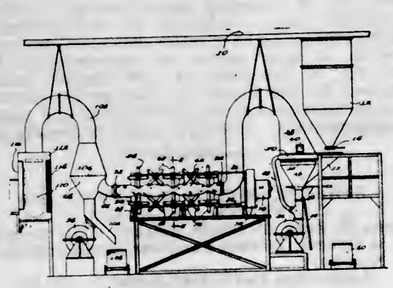
2,497,532

MILKWEED GIN

Boris Berkman, Appleton, Wis., assignor to Milkweed Products Development Corporation, Chicago, Ill., a corporation of Illinois

Original application May 15, 1942, Serial No. 443,086, now Patent No. 2,362,965, dated November 21, 1944. Divided and this application December 2, 1943, Serial No. 512,519

6 Claims. (Cl. 19—39)



1. In an apparatus for separating the pods, seeds, and floss of the milkweed plant, an agitation chamber, a second chamber, threshing means disposed between said agitation chamber and said second chamber, means connecting said agitation chamber, said threshing means and said second chamber, and moving air means adapted to separate the floss and seeds from the pods in said agitation chamber and for carrying them through said threshing means to said second chamber.

2,497,533

DIAPER

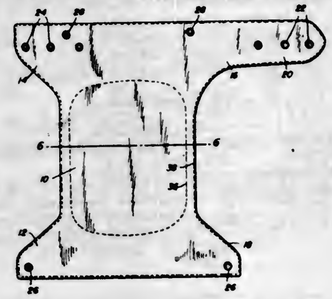
Alma Blankenship, Muskogee, Okla., assignor of one-third to Dorothy Kelly and one-third to Walter Crane, both of Fort Lauderdale, Fla.

Application October 6, 1947, Serial No. 778,174

7 Claims. (Cl. 128—284)

1. An improved diaper comprising a generally I-shaped portion of sheet material having a first and a second transverse bar, the first transverse bar being extended on one side to comprise a semi-waistband when the diaper is worn, means

to fasten the semi-waistband to the opposite end of said first transverse bar, and means to fasten



one end of the second transverse bar to said first transverse bar.

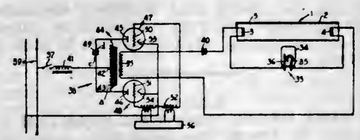
2,497,534

CIRCUITS FOR HIGH-FREQUENCY OPERATION OF FLUORESCENT LAMPS

John H. Campbell, Mentor Headlands, Ohio, assignor to General Electric Company, a corporation of New York

Application September 13, 1947, Serial No. 773,825

6 Claims. (Cl. 315—233)



1. In combination, an electric discharge device of the type employing an ionizable medium and comprising a plurality of filamentary electrodes and ballast means consisting of a substantially exclusively capacitive reactance in series with said device across a source of current having a frequency of the order of several hundred cycles per second but greater than about 300 cycles per second.

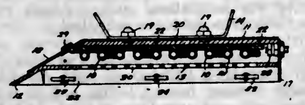
2,497,535

ELECTRICALLY HEATED PAINT REMOVER

Frank Carlino, Buffalo, N. Y.

Continuation of application Serial No. 8,709, February 16, 1948. This application September 28, 1948, Serial No. 51,622

6 Claims. (Cl. 219—29)



3. An electrically heated paint remover comprising a shallow casing with the under side open, a heating element suspended in the upper part of the casing, and a perforated grid spaced from and positioned below the said heating element with a sharp scraping edge integral therewith and extending downwardly to a plane corresponding with the lower surface of the casing.

2,497,536

YARN CONDITIONING

Carroll F. Chandler, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 14, 1946, Serial No. 676,849

2 Claims. (Cl. 117—139.5)

1. In the process of conditioning textile filaments of synthetic, organic, filament-forming material wherein the freshly formed filament is dressed with an oil-containing, aqueous finish composition, the improvement which comprises incorporating in said finish composition sufficient polyvinyl alcohol to deposit on the filament from 0.005% to 0.075% by weight, based on the weight of the filament, of polyvinyl alcohol.

2,497,537

ZIRCONIUM CARRYING ALLOYING SUBSTANCE

Edward Frederick Emley and Alfred Claude Jessup, Clifton Junction Works, near Manchester, and Philip Andrew Fisher, Flixton, England, assignors to Magnesium Elektron Limited, London, England, a British company

No Drawing. Application June 14, 1947, Serial No. 754,766. In Great Britain May 17, 1946

2 Claims. (Cl. 75—168)

1. A zirconium-carrying alloying substance, excluding alkali metal fluorides, consisting of zirconium fluoride in amount equivalent to at least 4 per cent of zirconium, and at least one chloride of a metal from the group consisting of alkaline earth metals including magnesium, the chloride component being in amount to enable the alloying substance as a whole to melt at the alloying temperature.

2,497,538

FLUXES FOR USE IN THE TREATMENT OF LIGHT METALS

Edward Frederick Emley and Alfred C. Jessup, Clifton Junction, near Manchester, England, assignors to Magnesium Elektron Limited, London, England, a British company

No Drawing. Application August 2, 1947, Serial No. 765,802. In Great Britain August 29, 1946

3 Claims. (Cl. 75—67)

1. An inspissated flux for use in the treatment of magnesium and magnesium base alloys consisting of at least one halide selected from the group consisting of the chlorides and fluorides of barium and strontium, in total amount at least equivalent to 20% barium chloride reckoning 1% barium chloride equivalent to 1.4% strontium chloride, 0.6% barium fluoride, or 1.6% strontium fluoride, at least one chloride selected from the group consisting of the chlorides of calcium, magnesium, and the alkali metals, said flux containing at least two of the aforementioned chlorides, said flux including at least one inspissating agent selected from the group consisting of such oxides and fluorides including the said barium fluoride and strontium fluoride as are chemically inert to molten magnesium, the quantity of inspissating agents being between 13% and 43%, and such as to enable the flux to provide a pasty viscous cover on the surface of the molten metal at 750° C., the flux having a specific gravity of at least 2.2 at 800° C. and being substantially free from sodium fluoride.

2,497,539
PROCESS AND FLUX FOR THE TREATMENT OF LIGHT METALS
Edward Frederick Emley and Alfred Claude Jessup, Clifton Junction, near Manchester, England, assignors to Magnesium Elektron Limited, London, England, a British company
No Drawing. Application August 25, 1947, Serial No. 770,544. In Great Britain August 29, 1946
5 Claims. (Cl. 75—67)

1. In melting magnesium base alloys containing zirconium, melting the magnesium-zirconium in crucibles and effecting separation of chloride inclusion and protecting the alloy against oxidation by a flux consisting essentially of at least two chlorides of the class consisting of the chlorides of the alkali and alkaline earth metals, at least one of the aforesaid chlorides being magnesium chloride, and another being selected from the group consisting of barium chloride and strontium chloride in quantity at least equivalent to 25 per cent barium chloride reckoning 1 per cent of strontium chloride equivalent to 0.7 per cent of barium chloride, said flux including not more than 5 per cent of inspissating agents and having a specific gravity of at least 2.05 at 800° C., the liquidus temperature of the flux as a whole being not greater than 610° C.

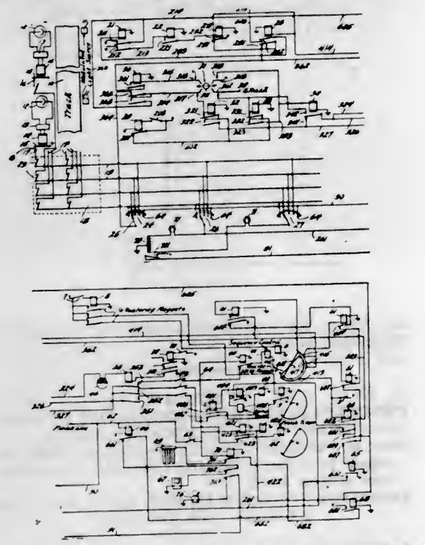
3. A flux for treating magnesium alloys containing zirconium which consists of magnesium chloride, at least one chloride from the class consisting of sodium chloride and potassium chloride, and at least one chloride of the class consisting of barium chloride and strontium chloride in quantity at least equivalent to 25 per cent barium chloride reckoning 1 per cent strontium chloride equivalent to 0.7 per cent of barium chloride, said flux having a specific gravity of at least 2.05 at 800° C., the liquidus temperature of the flux as a whole being not greater than 610° C.

2,497,540
FLUXES FOR THE TREATMENT OF LIGHT ALLOYS
Edward Frederick Emley, Clifton Junction, near Manchester, England, assignor to Magnesium Elektron Limited, London, England, a British company
No Drawing. Application August 26, 1947, Serial No. 770,763. In Great Britain August 29, 1946
2 Claims. (Cl. 75—67)

1. An inspissated flux suitable for the treatment of magnesium alloys containing a rare earth metal, which flux is substantially free from magnesium chloride and consists of at least two chlorides of the alkali metals and alkaline earth metals, other than magnesium, which chlorides when in mixture alone have a liquidus temperature not greater than 610° C., the balance of the flux being a quantity of inspissating agent such as to provide a pasty viscous covering on the molten metal, and at least 75% of the inspissating agent consisting of magnesium fluoride, the quantity of magnesium fluoride being about 20% by weight of the flux.

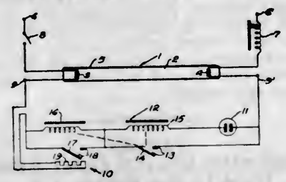
2,497,541
RACE TIMING SYSTEM
John B. Ferrara, Howard Beach, N. Y., assignor to American Teletimer Corp., Brooklyn, N. Y., a corporation of New York
Application June 3, 1944, Serial No. 538,679
19 Claims. (Cl. 161—18)

2. In a race track timing system, the combination of wayside devices disposed at intervals along the track and operable by the passage of a contestant to transmit an electric impulse, a central station receiving such impulses and comprising a plurality of timing registers, and unitary sequence control means for normally maintaining said registers unresponsive to said impulses and



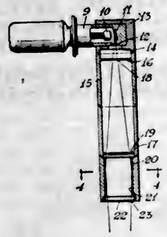
operating to render said registers successively at predetermined interval responsive to impulses from corresponding wayside devices to stop said registers.

2,497,542
TIME DELAY MAGNETIC STARTER
Theodore W. Frech, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application June 27, 1947, Serial No. 757,431
10 Claims. (Cl. 315—100)



2. In a starting device for an electric discharge device of the type employing a filamentary electrode, the combination comprising a repetitive magnetic switch of the vibratory type having contact means connected in series relation with said electrode, actuating winding means and an armature for actuating said contact means, a voltage sensitive device connected in series relation with said actuating winding means and having a critical breakdown voltage greater than the normal operating voltage of said discharge device, said contact means being connected across a portion of said winding means and the said voltage sensitive device, and a thermal means comprising contacts connected across a different part of said actuating winding means and a heater element connected in series relation with said part of said actuating winding means for short-circuiting said part of said actuating winding means a predetermined interval of time after the initiation of current flow through said electrode to cause said magnetic switch to open, said voltage sensitive element effecting subsequent energizations of the first-mentioned portion of said actuating winding means to cause repetitive closures of said magnetic switch irrespective of the condition of said thermal element when said discharge device fails to conduct initially.

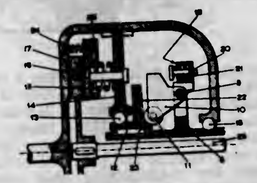
2,497,543
DEFLECTING AND FOCUSING MEANS FOR X-RAYS
Ludo K. Frevel, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application September 19, 1946, Serial No. 697,934
6 Claims. (Cl. 250—105)



6. Apparatus for providing a convergent X-ray beam comprising: an X-ray tube having an X-ray transparent window therein; a hollow cylindrical X-ray opaque tube mounted on the X-ray tube co-axial with the window thereof, a pair of X-ray opaque shields mounted transversely in the tube spaced from the window and from each other, each shield having therein an annular slit co-axial with the tube, the slits being of such diameters as to restrict the X-ray beam issuing from the window to the form of a hollow divergent cone, a cylindrical X-ray deflector support surface formed in the tube co-axial therewith and at a point more remote from the window than the shields in position to intercept the cone defined by the slits, and an X-ray deflector element comprising a thin flexible sheet molded of an amorphous organic plastic having embedded therein thin flakes of an inorganic crystalline substance characterized by micaceous cleavage, such flakes being oriented parallel to the surface of the sheet, the said element being curved to cylindrical form and removably lining the deflector support.

2,497,544
CENTRIFUGAL CLUTCH
Michel Gravina, Paris, France
Application August 20, 1945, Serial No. 611,565
In France June 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 27, 1964
3 Claims. (Cl. 192—105)

1. A centrifugal clutch for use with an engine which comprises, in combination, a driving member adapted to be operated by said engine and a driven member, both rotatable about a common axis, a clutch element carried by each of said driving and driven members to rotate together therewith, respectively, one of said clutch elements being slidable axially with respect to the other for cooperating engagement therewith, a part operatively connected with said axially slidable clutch element to move together therewith in the axial direction, a rotary support coaxial with said driving and driven members and adapted to be driven by said engine, radially movable centrifugally operated means mounted on said support and in cooperating engagement with a face of said part for controlling the axial displacements thereof, so as to cause movement of



said clutch elements toward each other in response to an increase in the speed of said engine, stop means for limiting the outward displacements of said centrifugal means to a given position, said centrifugally operated means and the cooperating face of said part being made and arranged to keep said centrifugally operated means in said limit position for decreasing speeds of said driving member above a given value.

2,497,545
ELECTRIC LAMP OR SIMILAR DEVICE AND METHOD OF MANUFACTURE
Alfred Greiner, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application July 2, 1948, Serial No. 36,616
9 Claims. (Cl. 176—16)



1. A sealed hollow article having a relatively thick glass end wall, and a glass tubulation fused to the said end wall and communicating with the interior of the article, said tubulation having a wall thickness materially less than that of said end wall and being tipped-off closely adjacent its junction with the said end wall, and the region of the said end wall bordering and extending a substantial distance away from its junction with the tubulation being of materially reduced wall thickness.

2,497,546
CERIUM ACETATE CONTAINING COMPOSITION
Curtis E. Griffin, Rhododendron, Oreg.
No Drawing. Application September 3, 1946, Serial No. 694,672
2 Claims. (Cl. 106—237)

2. A composition of matter essentially comprising water, a water soluble alcohol, cerium acetate and an alcohol-soluble resin, said acetate and resin being present in the proportions of from 5 to 25 parts of the acetate to from 5 to 25 parts resin, said composition containing sufficient water to dissolve the cerium acetate and sufficient alcohol to dissolve said resin.

2,497,547
MAGNETIC SWITCH
Charles Edwin Hastings, Hampton, Va.
Application April 20, 1946, Serial No. 663,696
2 Claims. (Cl. 200—87)

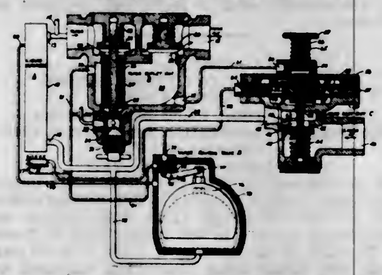


1. A magnetic switch comprising a pair of contact members of magnetic metal, one of said members comprising a plurality of leaves of spring metal stacked in laminations, means for supporting leaves as cantilever beams having their free ends overlapping the other of said members, and means for magnetizing said members for causing same to contact to close electrical connections between them, said leaves being free to move towards each other and away from each other adjacent their free ends whereby there is friction damping between adjacent leaves which resist bouncing when the members contact, and whereby the free ends of the leaves repel each other when magnetized thereby increasing the speed of operation of the switch.

2,497,548
PREPARATION OF AMINO ALCOHOLS
Vernon E. Haury, Simi, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 19, 1947, Serial No. 792,847
8 Claims. (Cl. 260—584)

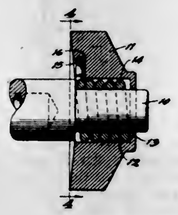
7. The process for the preparation of an amino alcohol which comprises reacting with hydrogen a mixture of a 1,3-diazine reactant and water, said 1,3-diazine reactant having attached to its nuclear atoms only members of the class consisting of hydrogen atoms and hydrocarbon radicals, the reaction being conducted at a pressure of from 500 to 1500 pounds per square inch, at a temperature of from 75° C. to 300° C., and in the presence of a hydrogenation catalyst, the amino alcohol being separated from the resulting reaction product.

2,497,549
FLUID CONTROL SYSTEM
John K. Heller, San Francisco, Calif., assignor to Gasair Corporation, San Francisco, Calif., a corporation of California
Application October 29, 1946, Serial No. 706,330
24 Claims. (Cl. 62—1)



1. In a liquid and vapor control system, in combination with a liquid vaporizer including a liquid inlet passageway and a vapor outlet passageway; a liquid inlet valve operative to open and to close said liquid inlet passageway, first valve control means at all times responsive to the pressure in said vapor outlet passageway for holding said liquid inlet valve in an open position, second valve control means normally responsive to said pressure in said vapor outlet passageway for opposing said first valve control means to close said liquid inlet valve, and means operative in response to a predetermined condition in said vaporizer requiring liquid to be supplied thereto for interrupting the supply of pressure to said second valve control means, thereby rendering said second valve control means inoperative and permitting said first valve control means to hold said liquid inlet valve in an open position.

2,497,550
FASTENING DEVICE
Leroy J. Jeffries, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application June 13, 1945, Serial No. 599,221
1 Claim. (Cl. 287—53)

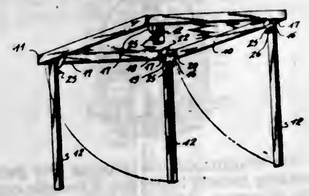


A fastening device comprising a rod having a substantially smooth cylindrical surface, a head having a recess therein open at one end and of larger diameter than the rod, a cylindrical coil spring of slightly smaller internal diameter than the rod and so wound that its adjacent convolutions are substantially in contact fitting loosely in the recess, and means securing one end of the coil spring to the head at said one end of the recess, the other end of the spring being free from the head.

2,497,551
COMPOSITION FOR INTRODUCING ZIRCONIUM AND BERYLLIUM SOLUBLY INTO MAGNESIUM
Alfred Claude Jessup, Clifton Junction Works, Manchester, and Joseph Beattie Wilson, Swinton, Manchester, England, assignors to Magnesium Elektron Limited, London, England, a British company
No Drawing. Application August 11, 1948, Serial No. 43,766. In Great Britain May 17, 1946
4 Claims. (Cl. 75—168)

1. A composition capable of introducing zirconium and beryllium solubly into magnesium, consisting of at least one zirconium halide, at least one beryllium halide, at least one salt selected from the group consisting of the chlorides and fluorides of metals of the group consisting of the alkali and alkaline earth metals including magnesium, the total zirconium calculated as metal being at least three per cent, and the ratio of zirconium to beryllium being between 50 and 500 to 1.

2,497,552
COLLAPSIBLE FURNITURE LEG
Carl Ledel, Los Angeles, Calif., assignor of one-third to Peter Rice and one-third to Sam Schuster, both of Los Angeles, Calif.
Application December 1, 1945, Serial No. 632,239
3 Claims. (Cl. 311—99)



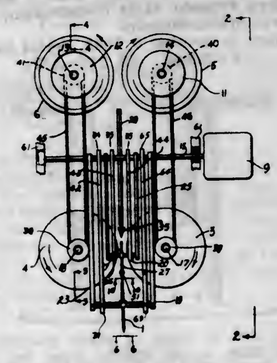
1. A collapsible leg construction including two rails angularly arranged, a leg, a single quadrant for the leg construction comprising a substantially flat plate having an arcuate edge, pivot means extending through one of the rails and the leg and the quadrant to hold the parts together preventing axial movement thereof, the pivot means positioning one side of the leg directly against said one rail and the opposite side of the leg directly against the quadrant, means for fastening the quadrant to the other rail, the arcuate edge of the quadrant having its center of curvature substantially at the pivotal axis of the leg, the quadrant having at least two notches along its arcuate edge spaced approximately 90° from one another, a keeper for the quadrant comprising a strip-like member positioned between the quadrant and the leg and through which pivot means extends, the keeper being disposed longitudinally of the leg and being biased to engage the quadrant, means on the leg for carrying the keeper with the leg when the leg is pivoted, the leg being recessed adjacent the edge of the quadrant to accommodate the keeper when the keeper is depressed, the keeper having a locking portion to fit in the notches whereby the keeper may optionally engage the quadrant to lock the leg in collapsed or erect position.

2,497,553
BUTENOL ALKANOL AMINES
Merton W. Long, Jr., Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 16, 1948, Serial No. 55,020
8 Claims. (Cl. 260—584)

1. A hydroxyaliphatic monoamine having attached to the nitrogen atom thereof as the sole organic substituents thereon not more than three radicals consisting of from one to two 3-buten-2-ol radicals and from one to two 2-hydroxyalkyl radicals each containing from two to three carbon atoms.

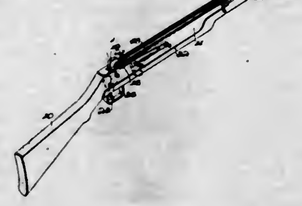
2,497,554
FLATFISH FILLETING MACHINE
Charles Meissner, San Diego, Calif.
Application July 23, 1945, Serial No. 606,681
13 Claims. (Cl. 17—4)

1. In a flatfish slicing machine, the combination of a pair of vertically disposed circular knives positioned in vertical alignment with each other having their edges in slight spaced relation, means resiliently tending to force said circular knives toward each other when in use, a second pair of circular knives horizontally disposed in slight spaced relation to each other, and resilient means engaging and supporting said



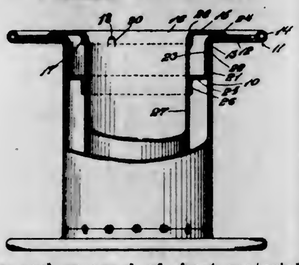
second knives parallel to the rotating axis thereof permitting the angular deflection of said second circular knives axially of their axes.

2,497,555
TOY RUBBER BAND GUN
Alonzo Miller, Monongahela, Pa.
Application April 3, 1947, Serial No. 739,123
3 Claims. (Cl. 124—18)



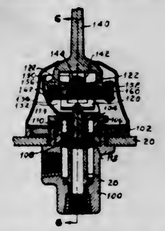
2. A toy gun including a stock and barrel, said barrel comprising a breech section fixed to the stock and a muzzle section pivoted upon the breech section and normally aligning therewith to form the forward end portion of the barrel, forward and rear means carried by the barrel near the ends thereof and releasably engageable by an elastic band to extend stretched between said means, the breech section of the barrel being provided with a longitudinal channel opening through the lower edge thereof, a hammer pivoted in said channel near the rear end of the barrel and having a portion to coact with said rear means for retaining the band engaged therewith, a trigger pivoted in said channel to coact with the hammer and operable to actuate the hammer and release said band, the muzzle section of the barrel being movable into angular relation to the breech section to initially receive the band to extend between said means and being returnable to normal position for stretching said band, and a lever carried by the muzzle section of the barrel for rocking the same and normally lying against the breech section therebeneath closing said channel.

2,497,556
REEL OR SPOOL
Robert V. Olson, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, a corporation of Massachusetts
Application September 6, 1945, Serial No. 614,696
6 Claims. (Cl. 242—123)



1. In a reel or spool of sheet material comprising a tube, a lug spaced from the end of the tube and offset outwardly from the stock thereof, a head having an opening through which the end of the tube extends, a flange on said head at the edge of the opening surrounding the tube, and a notch in the edge of the flange receiving said lug.

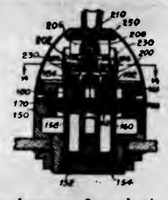
2,497,557
FLUID VALVE ASSEMBLY
Donald H. Reeves, Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich., a partnership
Application November 2, 1943, Serial No. 508,721
11 Claims. (Cl. 251—24)



1. In a valve assembly of the diaphragm type wherein the diaphragm is movable into contact with the valve seat to close the valve and away from the valve seat to open the valve, the combination including a plunger for actuating the diaphragm into closed position, and control means for actuating the plunger away from and towards the diaphragm, said control means including a guide surface, a wedging member normally in contact with the guide surface, and oscillatory means engaging the wedging member to lock the control means in an adjusted position.

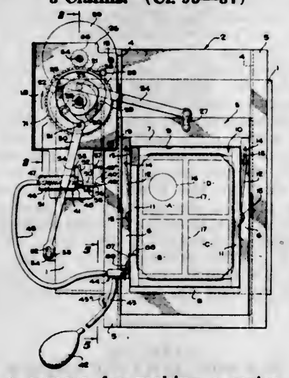
2,497,558
FLUID VALVE ASSEMBLY
Donald H. Reeves, Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich., a partnership
Application November 9, 1943, Serial No. 509,633
14 Claims. (Cl. 277—20)

1. A multi-passage valve having a plurality of passages associated with valve seats, the combination including a common diaphragm adapted for closing each of the valve seats, a plunger for each valve seat for actuating the diaphragm against the valve seat, and control means for selectively actuating the plungers, said control means including a plurality of resilient means one for each plunger for urging the plungers



against the diaphragm for closing the passages, and actuating means including a handle common to all the plungers, said actuating means actuating a selected plunger away from the diaphragm so as to permit fluid to flow through the passage underlying the selected plunger.

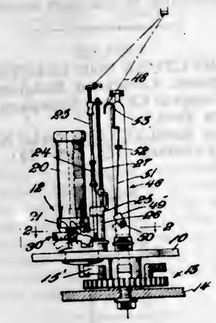
2,497,559
MULTIPLE EXPOSURE CAMERA
Percy F. Rice, Santa Ana, Calif., assignor of one-half to William H. Donahue, Santa Ana, Calif.
Application February 4, 1947, Serial No. 726,409
3 Claims. (Cl. 95—37)



1. In a camera for making a series of exposures on light-sensitive means, and having a lens and a shutter, with means for controlling the shutter: the combination of a fixed part on the camera, a carriage for carrying the holder for the light-sensitive means, a slide mounted to shift substantially horizontally with respect to said fixed part, and having means for guiding said carriage to shift substantially vertically, shifting mechanism mounted on said slide including cam means rotatably supported by said slide, a lever pivotally mounted on the slide, actuated by the cam means, connected to the carriage for raising and lowering the same on the slide, and a second lever pivotally mounted on the slide and having a connection to said fixed part for effecting a substantially horizontal shifting of the slide.

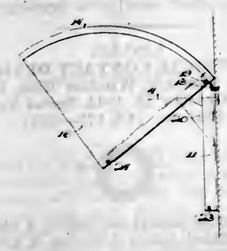
2,497,560
STOP MOTION FOR BRAIDING MACHINES
Joseph Robideau, Cumberland, R. I.
Application August 26, 1948, Serial No. 46,282
8 Claims. (Cl. 87—19)

1. In a braiding machine, a stationary post through which yarn is guided, a movable braider carrier, a stop motion actuating arm pivotally mounted on the carrier to be rocked about a substantially horizontal axis, a trigger mounted for rotational movement about a substantially vertical axis and movable into engagement with said arm to hold the same in inoperative position, said trigger having a projection thereon engageable to rock said trigger out of engagement with said arm to permit the same to be rocked by gravity



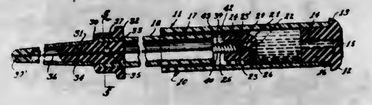
to be positioned in the operative position, a guide post on said machine, a member movably mounted on said post in the path of said projection, means engaged by the yarn passing through said post to hold, by tension on the yarn, said member out of the path of said projection but permitting the member to be moved into the projection path upon failure of said tension whereby to engage the projection to cause the arm to move into operative position.

2,497,561
HOOD FOR BOTTLED GAS CONTAINERS
William R. Rose, Arlington, Va.
Application February 12, 1946, Serial No. 647,011
5 Claims. (Cl. 312—112)



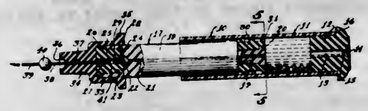
1. A hood for bottled gas containers including a back plate having vertical side flanges thereon provided at their upper ends with ears, a cover having side walls provided at their rear edges with channels adapted to receive said flanges when the cover is closed and form an interfitting joint between the back plate and cover, said ears being accommodated in the upper ends of said channels, means extending through said side walls, the ears and said channels pivotally connecting the cover with the back plate, and a resilient catch fixed at one end to the back plate and free at its opposite end, the free end of said catch being adapted to be flexed to engage in one of said channels when the cover is raised for holding the cover in open position.

2,497,562
DISPOSABLE SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application August 4, 1947, Serial No. 766,029
5 Claims. (Cl. 128—220)



1. A syringe comprising a cylindrical, transparent ampule and a plunger, a closure for one end of the ampule, said plunger including an elongated body, a threaded piston movable in the ampule, said plunger having a bore therethrough, a hypodermic needle disposed in said plunger bore, and a threaded member on said needle, the threads on said piston engaging said needle threaded member threads.

2,497,563
AMPOULE SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application August 4, 1947, Serial No. 766,030
5 Claims. (Cl. 128—220)

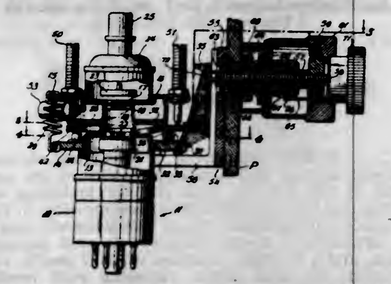


1. A syringe including a tubular ampule, a closure for one end of the ampule, a plunger movable in the ampule, said plunger having a bore therethrough and having a reduced inner portion, said reduced portion terminating in a shoulder, a piston stopper on said reduced portion and engaging said shoulder, said piston stopper having a plane inner end, the outer end of said plunger having a recess communicating with the plunger bore, a stopper in said recess, said stopper having inner and outer aligned recesses, a diaphragm between said stopper recesses, said inner stopper recess communicating with said plunger bore, a front member on said plunger, said front member having a bore therethrough, a hypodermic needle having a pointed inner end and slidably extending through said front member bore and into the outer recess of said stopper, the pointed end of said needle terminating short of piercing the stopper diaphragm, said needle having a protuberance thereon and having an injecting point in advance of the protuberance.

2,497,564
HIGH-FREQUENCY APPARATUS
Lloyd F. Sorg, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original application May 2, 1945, Serial No. 591,485. Divided and this application October 11, 1946, Serial No. 702,871
5 Claims. (Cl. 315—5)

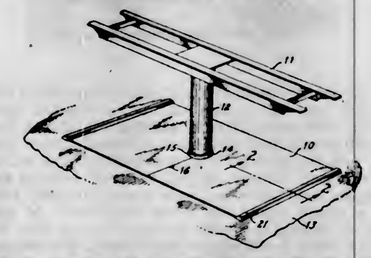
1. In tuning apparatus for determining the spacing of electrodes in an electron discharge device, the combination comprising a rockable tuning lever adapted to be operatively coupled to control the spacing between said electrodes, and adjustable frequency control means comprising a rotatable trimmer shaft having its inner end operatively connected to said tuning lever, a rotatable tuning shaft within which said trimmer shaft extends in fine-threaded rotatable engagement, a support on which said tuning shaft is

mounted in relatively coarse-threaded engagement, axial displacement of said tuning shaft carrying said trimmer shaft along therewith, and



means engaging said tuning shaft for locking said tuning shaft against rotation for permitting fine frequency adjustment by rotation of said trimmer shaft alone.

2,497,565
GREASE MAT FOR HYDRAULIC HOISTS
Leonard T. Stark, Detroit, Mich.
Application August 30, 1946, Serial No. 694,039
4 Claims. (Cl. 254—1)



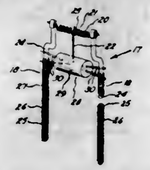
1. In combination with the shaft of a hoist for vehicles, a rectangular, disposable mat, having a central aperture to fit around the shaft, and means along the marginal portions of the mat to hold it in place on the floor level of the hoist.

2,497,566
MOUNT STRUCTURE FOR ELECTRIC LAMPS
Joseph E. Stone, Cleveland Heights, and John O. Geissbuhler, South Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application April 27, 1949, Serial No. 90,012
3 Claims. (Cl. 176—39)



1. An electric incandescent lamp comprising an envelope, a filament in said envelope, inleads anchored to and supported from the wall of said envelope and extending into the envelope from their wall anchorages in the same general direction and in spaced relation to the envelope wall and connected at their inner ends to said filament, and bridge means insulatively and rigidly tying the inner end portions of the inleads together, said inleads being provided intermediate their anchored ends and their said bridge means with laterally extending curved portions each approximately located in a plane transverse to the inleads and spaced from the envelope wall to impart flexibility to the said inleads.

2,497,567
MOUNT STRUCTURE FOR ELECTRIC LAMPS
Joseph E. Stone, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 27, 1949, Serial No. 90,013
5 Claims. (Cl. 176—39)



1. An electric lamp comprising an envelope, a filament in said envelope, lead-in conductors anchored to and supported from the wall of said envelope and extending into the envelope from their wall anchorages in spaced relation to the envelope wall, said conductors each comprising separate inner and outer sections spaced apart end-to-end and the filament being supported from and electrically connected to said inner sections, bridge means insulatively and rigidly tying the said inner conductor sections together, and a coil spring fitting over and gripping tightly the individual sections of each of said conductors and bridging the gap therebetween to yieldingly hold and electrically connect the said conductor sections together whereby to resiliently support the filament and inner conductor sections from the anchored outer conductor sections.

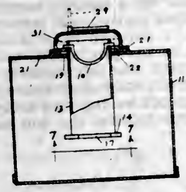
2,497,568
ELECTRICAL CONTACT DEVICE
Ralph S. Thacker, Windsor Hills, Calif.
Application October 16, 1944, Serial No. 558,942
8 Claims. (Cl. 173—332)



1. An electrical socket including a plurality of individual contact parts forming a tubular assembly to receive a pin and each having an opening to receive an electrical conductor, a yieldable element surrounding the assembly of contact parts to yieldably urge each one inwardly, a sleeve surrounding the assembly and said elements, and a body of insulating material surrounding the sleeve.

2,497,569
CONTAINER HAVING A SLIDABLY EXTENSIBLE POURING SPOUT
Keith H. Todd, Paul L. Eisinger, and Joseph C. Vogt, Baltimore, Md.
Application August 17, 1945, Serial No. 610,886
2 Claims. (Cl. 222—525)

1. A liquid container having a dispensing opening, an extensible pouring spout normally housed within said container, said pouring spout having a lower flange provided with opposed circular and opposed flat sides, a plate secured to said container about the dispensing opening and apertured to permit the passage therethrough of the aforesaid flange, the wall of the container adjacent the dispensing opening having stepped portions providing a chamber adapted to receive said flange when the spout is in extended position, a bail at the upper end of the spout having anchoring portions normally resting on one of the aforementioned stepped portions to act as a stop in retracted position and a cap secured to another of said stepped portions and covering the dispensing opening.

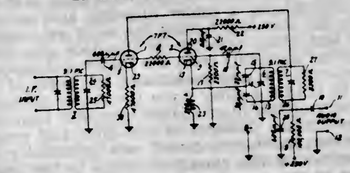


2,497,570
COMBINATION GAUGE AND SPOT MARKER
Richard J. Abshire, Pomona, Calif.
Application April 1, 1949, Serial No. 84,921
3 Claims. (Cl. 33—189)



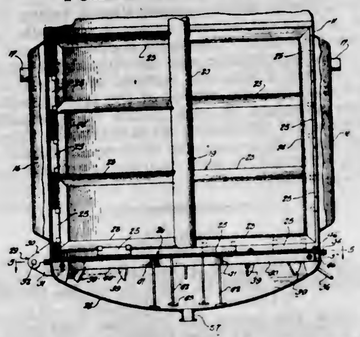
3. A device for gauging and spot marking pairs of opposite centers for dowel pins in a pair of juxtaposed panels arranged with top surfaces substantially coplanar and scored to indicate the spacing for said pins, said device comprising a base plate for sliding along said top surfaces, a gauge bar extending through the center of said plate at a right angle thereto for movement along said panels by sliding of said base plate on said panels with one end of said bar interposed between the panels, a pair of aligned markers on said end of said bar and opposite sides thereof for marking the centers on said panels by pressing of the panels against said markers, means for slidably mounting the gauge bar on said plate for endwise adjustment to variably space the markers from said top surfaces and gauge the location for the markings relative to said surfaces, said plate and bar having coincident slots therein for registration with said scorings to center the base plate and gauge on said scorings and thereby locate the markers according to said scorings, said markers comprising a pair of conical studs.

2,497,571
FREQUENCY DETECTOR AND FREQUENCY CONTROL CIRCUITS
Albert R. Alter, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 29, 1947, Serial No. 788,777
11 Claims. (Cl. 250—27)



1. An oscillator of controllable frequency comprising: a resonant frequency-determining tank circuit, a pair of vacuum tubes each having at least a cathode, a grid and an anode, a circuit arrangement including one of said tubes and said tank circuit for generating self-sustained oscillations at substantially the resonant frequency of said tank circuit, coupling means for applying said oscillations to the grid-cathode circuit of the other of said tubes, means for grid-biasing said other tube to restrict the flow of plate-current therein to a part only of each cycle of oscillation, means for applying a control voltage to the said grid of said other tube, said control voltage affecting the amplitude of the plate current pulses therein, means for reducing to a negligible value the amplitude of said control voltage applied to said tank circuit by way of said coupling means, and means for applying the oscillation-frequency output of said other tube to said tank circuit in quadrature relation to the oscillations generated therein.

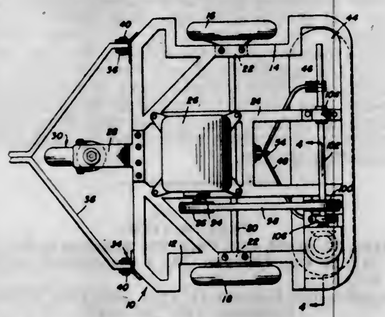
2,497,572
PERCOLATOR
Harry R. Ansel, Oak Park, Ill., assignor to Wm. J. Stange Co., Chicago, Ill., a corporation of Illinois
Application January 11, 1946, Serial No. 640,621
4 Claims. (Cl. 210—185)



1. In a percolator, a receptacle having a door-closed opening in the bottom thereof, a bottom door hingedly mounted on the lower portion of the receptacle to cooperate with said opening; said door being downwardly dished to provide a chamber for filtered menstruum, a filter of less area than the aforementioned opening, said filter provided adjacent its periphery with bolt holes,

and devices for detachably mounting the filter on the door and contiguously to the lower portion of the receptacle in such manner that when the door is closed the filter is well adapted to support a heavy load of solid matter and solvent occupying the receptacle without permitting downward escape of unfiltered material into the aforementioned chamber for filtered menstruum, said devices comprising a spider disposed and secured within the door and having the outer extremities of its legs lying adjacent to the door rim, bolts projecting upwardly from the spider and extending through the aforementioned bolt holes of the filter to hold the filter upon the spider with the periphery of the filter spaced inwardly from the adjacent inner surfaces of the door and receptacle when the door is closed, and an annular filter seat which lies closely adjacent to the lower portion of the receptacle when the door is closed carried by the extremities of the spider legs and having its outer edge continuously contiguous to the inner surface of the door and its upper surface continuously contacting the under peripheral margin of the filter.

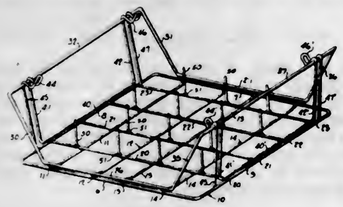
2,497,573
POWER LAWN MOWER
Floyd M. Apple, Burlington, N. C.
Application December 15, 1947, Serial No. 791,720
4 Claims. (Cl. 56—25.4)



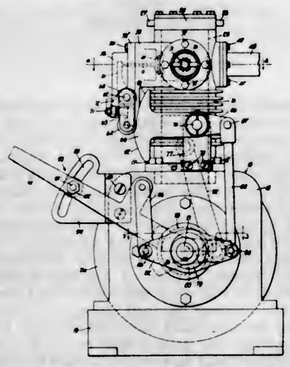
4. A power mower comprising a frame which has wheels attached adjacent opposite sides thereof, a cutter, a housing supporting said cutter, means mounting said housing at the forward end of said frame for vertical movement independent of the movement of the frame including a pin attached to said frame at substantially the center of the frame, an arm pivoted intermediate its ends to said pin, the ends of said arm being attached to said housing by means of a pivotal connection.

2,497,574
PIN BOARD
Fred F. Bahnson, Winston-Salem, N. C.
Application April 21, 1949, Serial No. 88,867
6 Claims. (Cl. 242—130)

1. In a pin board for bobbins, cops and the like, a rectangular base member, a plurality of spaced transverse parallel members having their ends secured to the side portions of the base member, a plurality of longitudinally extending spaced members having their ends secured to the end portions of the base member and being also secured to the top surfaces of the transverse spaced members, a top frame member comprising side portions secured to the top surfaces of the ends of the transverse members and said side portions of the top frame member extending upwardly and outwardly in an inclined position to project substantially beyond a vertical plane passing through the end portions of the rectangular base member, the upper ends of the outwardly and upwardly inclined portions being joined together by a handle member disposed in parallel relation to the end portions of the bottom member, a substantially U-shaped member for each end of the pin board having its bottom portion welded to the top surfaces of the ends of the longitudinally extending spaced members and having its legs projecting upwardly and over the handle portions joining the top ends of the upwardly and outwardly inclined portions, the legs of said U-shaped members then being bent downwardly and inwardly and then upwardly to form notches and then being bent downwardly and upwardly to conform to the first downwardly and upwardly bent portions and passing over the top of the handle portions joining the upper ends of the upwardly and outwardly inclined portions and extending downwardly and having their lower ends welded to the end portion of the rectangular base member thus providing hooks for the reception of the end portions of the base member of another pin board when placed in superposed relation relative to the pin board therebelow.

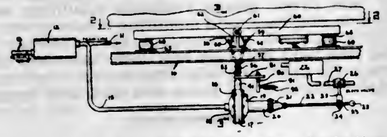


2,497,575
COMPRESSOR OR PUMP
Harvey W. Bell, Yonkers, N. Y.
Application October 20, 1945, Serial No. 623,584
10 Claims. (Cl. 230—25)



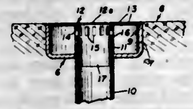
2. In a compressor, a cylinder, a piston reciprocable in the cylinder, a crankcase on which the cylinder is mounted, a crankshaft within the crankcase and projecting laterally from one end thereof, automatic inlet and outlet valve mechanisms, an unloading valve for the compression chamber, means for operating the unloading valve comprising an eccentric on the crankshaft, a transversely-extending member on the eccentric to be operated by the same, an oscillating type cam pivoted on the compressor and having lower and raised cam face portions, and a link connected between the transverse member and the oscillating cam to transmit the oscillating movement of the transverse member to the cam, roller means operable upon the cam surface for imparting movement from the cam to the unloading valve, and means for adjusting the phase relationship between the cam and the stroke cycle of the piston, including a hand lever connected with the transverse member on the eccentric and adapted to alter the oscillatory cam so that the roller means may be affected by either the lower portion or the raised portion of the cam face or by both.

2,497,576
ATTACHMENT FOR AIR BRAKE SYSTEMS
Robert K. Biery, New Orleans, La.
Application May 31, 1945, Serial No. 596,897
13 Claims. (Cl. 303—80)



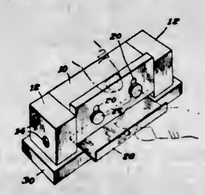
1. In an air brake control system including a train line and a car reservoir bleed valve, spring means biasing said bleed valve to open position, releasable manual means to maintain said bleed valve in closed position, diaphragm means in communication with said train line and associated with said spring means to oppose the latter and urge the bleed valve into a closed position when a predetermined pressure is maintained in said train line, said diaphragm means consisting of a housing having a central partition, diaphragm members on each side of said partition and forming chambers between the partition and the housing, means connecting the train line to the chamber formed between the housing and one diaphragm, the spring means extending into the chamber formed between the housing and the other diaphragm and abutting the latter, and one-way valve means controlling communication through said partition, whereby the first mentioned diaphragm may transmit a pressure medium through the partition to bias the second diaphragm, and automatic and manual valve means in a by-pass communicating with the chambers on both sides of and contacting the partition.

2,497,577
FLOOR DRAIN AND COVER THEREFOR
Geoffrey Biggerstaff, Huron, S. Dak.
Application April 25, 1947, Serial No. 743 987
3 Claims. (Cl. 182—31)



1. In a floor drain of the class described, a drain pipe, a cup-like trap secured to the upper end portion of said drain pipe, said trap including an upstanding annular rim, the upper end of said rim being provided on its inner peripheral surface with an endless groove constituting an annular cover supporting ledge, and a circular cover having its marginal edge portion seated on said ledge with its upper surface flush with the upper edge of said rim, the upper end of said drain pipe extending into said cup and terminating on a plane below the underside of said cover, and said cover having an integral central depending coupling telescoping into the upper end of said drain pipe and provided with an apertured and shouldered portion, the shouldered portion resting on the upper end of said drain pipe.

2,497,578
FILM SPREADER
John J. Bradley, Jr., Winchester, Mass., assignor to Boston Varnish Company, Everett, Mass., a corporation of Massachusetts
Application September 22, 1948, Serial No. 50,519
1 Claim. (Cl. 91—62.5)

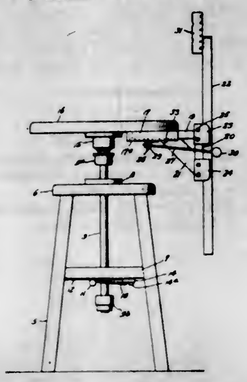


A device for spreading films of uniform and predetermined thickness on a flat surface, comprising two rectangular supporting blocks, the basal surfaces of which lie in the same plane, a rectangular bridge block terminally suspended between the inner side surfaces of said supporting blocks above said plane, means to secure the ends of said bridge block to the inner surfaces of said supporting blocks, a blade block adjustably secured laterally against a side surface of said bridge block and engaging terminally against said inner side surfaces of said supporting blocks, the bottom surface of said blade block being in a plane between and parallel to the plane of said basal surfaces of said supporting blocks and the bottom surface of said bridge block, and means to adjustably secure said blade block to said side surface of said bridge block comprising holes extending from said side surface through said bridge block, slits on either side of the entrances of said holes in said side surface, vertically elongated openings extending through said sliding block and aligned laterally with said holes, bolts extending through said holes and openings, pins at one end of said bolts at right angles to the axes thereof and adapted to pass through the long axes of said openings and lie in said slits, and, removable fastening means on the other ends of said bolts.

2,497,579
CARBOHYDRATE PRESERVATIVE
Edward A. Bried, Newport, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 26, 1947, Serial No. 794,104
12 Claims. (Cl. 260—209)

1. A new composition of matter comprising a carbohydrate and a preservative therefor selected from the group consisting of a stabilized rosin amine and the salts thereof said preservative being present in an amount within the range of about 0.25 and 10% of the weight of said carbohydrate.

2,497,580
ADJUSTABLE PHOTOGRAPHER'S POSING CHAIR
Claude M. Briggs, Elk City, Okla., assignor of one-third to John Overton Shaw, Elk City, Okla.
Application March 24, 1945, Serial No. 584,625
1 Claim. (Cl. 155—94)



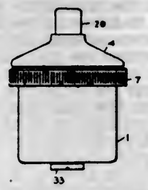
A posing chair, comprising legs, a top supported at the upper ends of the legs, a brace board intermediate the upper and lower ends of the legs, a seat supporting post slidable through the brace board and the top, a clutch plate hinged to the underside of the brace board and provided with a hole through which the seat post extends, said hole being larger than the seat post to permit of tilting of the plate away from the brace board, and a member pivoted to the brace board and adapted to swing between the plate and brace board to maintain the plate in clutching engagement with the post, whereby the post will be effectively prevented from longitudinal sliding movement, and a seat mounted on the upper end of the seat post.

2,497,581
VACUUM CLEANER DUST BAG UNLOADER
Charles Kepler Brown, Jr., Fairmont, W. Va.
Application October 17, 1945, Serial No. 622,829
1 Claim. (Cl. 183—51)



A vacuum cleaner dust bag ejecting and unloading device comprising, in combination, a housing provided at one end with an annular shoulder, a cap for closing the end of said housing adjacent said shoulder, a cradle slidably positioned within said housing, tensioning means secured to said cradle and to said shoulder, a dust bag in said housing, a collar at its open end normally resting against said cap when the latter is in closed position, said cradle comprising a circular ring surrounding said dust bag and said tensioning means consisting of a plurality of helical springs anchored in said circular ring and in said shoulder, a foraminated cylinder surrounding said bag and having one end secured to said collar and having its opposite end resting on said cradle, whereby, upon opening of said cap, said bag and cylinder will be ejected from the housing.

2,497,582
SEMIAUTOMATIC TABLE LIGHTER
Presper W. Buchhart, Closter, N. J.
Application December 9, 1947, Serial No. 790,569
2 Claims. (Cl. 67—7.1)



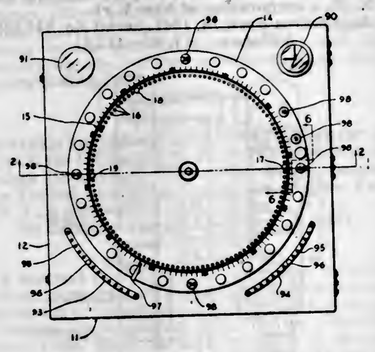
1. In a device of the class described, the combination with a fluid tank, of a base fitted tightly into the top of said fluid tank, said base provided with wick means and flint means, said base provided with an annular flange, a rotatable ring resting on said flange, said ring provided with serrations on its inner face, a hinged cover and means mounting same on said base, a lock hook for said cover, means yieldably mounting said hook on said base, said mounting means provided with a ball lock pin engaging the serrations on said ring, and said base and cover provided with means for actuating said flint means, whereby a spark therefrom will jump over said wick means.

2,497,583
PREPARATION OF MAGNESIUM NITRIDE
Alva C. Byrns, Los Altos, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
No Drawing. Application February 12, 1945, Serial No. 577,586
7 Claims. (Cl. 23—191)

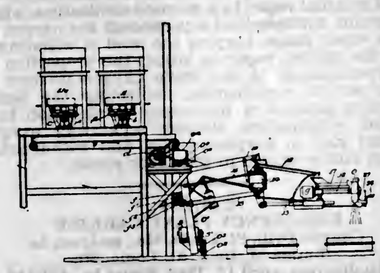
1. Process for the production of magnesium nitride which comprises reacting solid pyrophoric magnesium in the presence of hydrogen with nitrogen gas at an initial temperature of from about 300° C to about 400° C., and then increasing the temperature to about 900° C. to complete the reaction, said pyrophoric magnesium having been obtained by converting magnesium from the vapor phase to the solid phase by shock chilling with an inert gas.

2,497,584
INTERVAL TIMER
George W. Carmichael, Columbus, Ohio, assignor to Carmichael Machine Company, Columbus, Ohio, a partnership
Application December 6, 1945, Serial No. 633,111
3 Claims. (Cl. 161—4)

1. A timer adapted to signal the passing of predetermined and varying periods of time comprising in combination an electrical signal circuit adapted to be energized from a commercial power source, said signal circuit being normally open and having a signal means operated thereby when closed, a circular timing dial marked to indicate units of time within a predetermined period of time, a rotatable disc formed with a plurality of holes in the upper surface thereof adjacent to the outer edge and in close spaced relation with said time units on the dial, an electrically operated motor connected in said circuit and to said disc providing movement thereof at a constant rate relative to the timing dial, a removable circuit controlling pin adapted to be inserted in the nearest one of said holes opposite a preselected time unit marked on the timing dial indicating a period of time which is to elapse before the signal circuit is closed, a normally open switch in said signal circuit provided with means arranged in a predetermined position on said timing dial to close said switch when said pin moves into contact therewith after travelling for the selected period of time, and marking means movably positioned to indicate the starting point of said pin in its travel relative to the timing dial.

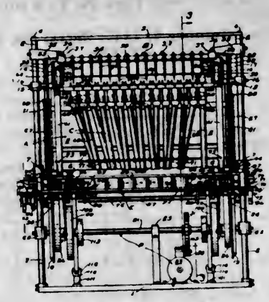


2,497,585
APPARATUS FOR RAMMING FLASKS
Murray G. Clay, Chicago, Ill., assignor, by mesne assignments, to Pettibone Mulliken Corporation, a corporation of Delaware
Application June 7, 1945, Serial No. 598,145
8 Claims. (Cl. 22—36)



4. Control mechanism for apparatus including a rotary projector mounted on a structure adapted to travel over a floor, stationarily mounted conveying-means for delivering sand to the projector when it is moved to different positions over the floor, a stationarily mounted plural-speed electric motor for driving the sand-conveying means, means for feeding sand from a source of supply onto the conveying-means, an electric plural-speed motor for driving said sand-feeding means, and an electric plural-speed motor for driving the projector, mounted on and to travel with the structure, said control mechanism comprising a manually and selectively operable control device mounted to travel with the projector, and means controlled by said device for conjointly controlling the operation of the motor for driving at different speeds the conveying-means, the operation of the motor at different speeds for driving the sand-feed means, and the operation and speed of the motor for driving the projector.

2,497,586
CONTAINER FEED AND CONTROL MECHANISM
Burton C. Coons, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Original application July 24, 1942, Serial No. 452,194, now Patent No. 2,398,922, dated April 23, 1946. Divided and this application August 2, 1944, Serial No. 547,791
2 Claims. (Cl. 198—19)



1. A container feed mechanism comprising a container guide channel having a continuously moving surface for moving containers, a first container stop, a second container stop spaced from said first stop, means for adjusting the distance between said stops to accommodate a predetermined number of containers for receiving a charge of material, means for reciprocating said stops in and out of said channel, means for controlling reciprocation of said stops for positioning both stops in said channel while containers are receiving charges of material, for moving said first stop out of said channel when containers have received their charges, for moving said second stop out of said channel when the charged containers have substantially cleared said first stop and for again moving said first stop into said channel before the leading container of the subsequent containers for receiving charges of material has reached said first stop.

2,497,587
SCISSORS
Bennie Oather Corley, Union City, Tenn.
Application December 2, 1946, Serial No. 713,552
2 Claims. (Cl. 30—261)



1. A scissors including an integral handle portion, a finger receiving ring and a stationary cutting blade, a pivoted cutting blade on said stationary cutting blade, said handle portion being formed with a slot having outwardly flared side walls, the ends of said walls being counterbored to form lateral stop shoulders, a resilient spring disposed in said slot anchored at its inner end and having slidable engagement with said pivoted cutting blade for normally holding the same in open position, and stop shoulders on the inner

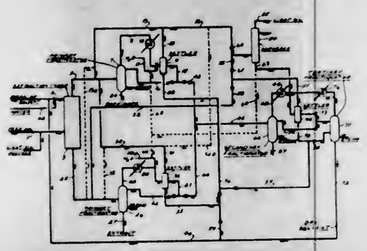
end of said pivoted cutting blade received within the inner periphery of said counterbored walls for cooperative engagement therewith to provide a wide seat for limiting the movement of said pivoted cutting blade.

2,497,588

METHOD OF REFINING OIL WITH A SELECTIVE SOLVENT

James A. Davies, Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 7, 1947, Serial No. 778,369
17 Claims. (Cl. 196—14.48)



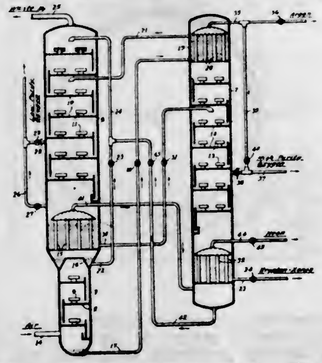
1. In the solvent separation of feed oil containing at least a small proportion of constituents having true boiling points in the range of the solvent boiling temperature and below wherein the feed oil is subjected to contact in an extraction zone with an organic solvent liquid partially miscible with water, extract and raffinate phases are formed, and separately removed from the extraction zone, the steps comprising distilling from at least one of said phases in a primary fractionating zone a distillate of solvent vapor containing small amounts of oil and water and leaving a liquid residue of oil substantially free from solvent, discharging said solvent-free oil, condensing said distillate, subjecting resulting condensate to settling in the presence of water in a primary settling zone, forming in said primary settling zone oil-rich, water-rich and solvent-rich liquid layers respectively, separately withdrawing liquid from each of said primary layers, recycling a portion of withdrawn primary water-rich liquid to said primary fractionating zone, passing another portion of withdrawn primary water-rich liquid to a secondary fractionating zone, passing withdrawn primary solvent-rich liquid to a tertiary fractionating zone, distilling from said secondary and tertiary fractionating zones distillates containing solvent, water and oil, discharging water as a residual fraction from said secondary fractionating zone, withdrawing substantially dry solvent as a residual liquid fraction from said tertiary fractionating zone, recycling withdrawn dry solvent to said extraction zone, condensing said secondary and tertiary distillates, subjecting resulting secondary and tertiary condensates in the presence of each other to settling in a secondary settling zone, forming in said secondary settling zone secondary oil-rich, water-rich and solvent-rich liquid layers respectively, separately withdrawing said secondary layers, recovering oil from withdrawn secondary oil-rich liquid, passing withdrawn secondary solvent-rich liquid to said tertiary fractionating zone, and passing withdrawn secondary water-rich liquid to both said secondary and tertiary fractionating zones.

2,497,589

SEPARATION AND RECOVERY OF THE CONSTITUENTS OF AIR

Wolcott Dennis, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application April 18, 1947, Serial No. 742,329
5 Claims. (Cl. 62—175.5)



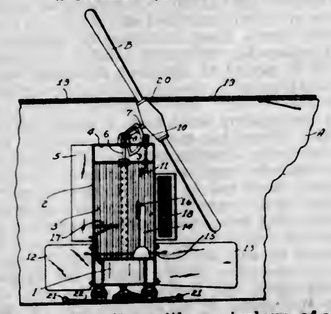
5. The method of recovering simultaneously high and low purity oxygen and krypton-xenon from the atmosphere by liquefaction and rectification which comprises subjecting compressed and cooled air to initial rectification and partial condensation to afford a liquid enriched in oxygen, liquid nitrogen and a residual vapor containing nitrogen and neon, condensing the nitrogen in the residual vapor, withdrawing neon, subjecting the oxygen and nitrogen products of the initial rectification with nitrogen condensed from the residual vapor to a second rectification, withdrawing nitrogen and a portion of the oxygen in the vapor phase, varying the level of withdrawal of the oxygen vapor to adjust the proportion of krypton-xenon in the liquid oxygen product of the second rectification, subjecting the liquid oxygen product of the second rectification to a third rectification, thereby separating oxygen liquid rich in krypton-xenon, and withdrawing high purity oxygen in the vapor phase.

2,497,590

EMERGENCY PLANE CARRIER

Charles Drill, St. Louis, Mo., assignor to Emma M. Drill, St. Louis, Mo.

Application April 12, 1946, Serial No. 661,615
2 Claims. (Cl. 244—139)



1. The combination with an airplane, of a pilot-receiving emergency carrier therefor comprising a self-contained motor driven flying unit normally mounted within said airplane, means in said unit to receive said pilot during operation of said unit, means for operating said unit to initially fly it together with its motor to a predetermined distance above said airplane and thence direct it in any direction, and a load-transmitting connecting means between said airplane and unit and limiting the vertical separation of the latter relatively of the former.

2,497,591

METHOD OF MINIMIZING "PATCHINESS" IN ETCHED CHROMIUM ELECTRODEPOSITS

George Dubpernell, Watertown, Conn., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application May 20, 1947, Serial No. 749,338
1 Claim. (Cl. 204—35)

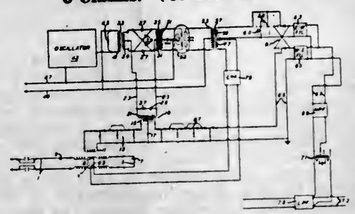
A method of minimizing patchiness in porous chromium consisting essentially of electroplating chromium predisposed to the formation of porous chromium in a plating bath having CrO_3/SO_4 ratios from about 25 to 1 to 150 to 1, at temperatures of about 77° F. to 160° F., and current densities from about ¼ to 16 amperes per square inch appropriate to the temperature of the bath, and etching the said chromium electrodeposits to form porous chromium, characterized by continuing the passage of current in the plating bath, in the end part of the plating period, to the chromium already deposited, at a reduced cathodic current density corresponding to a plating current efficiency of 6% to 0% for 1 to 10 minutes.

2,497,592

CARRIER TERMINAL EQUIPMENT

Lennart G. Erickson, San Francisco, Calif.

Application November 13, 1947, Serial No. 785,591
5 Claims. (Cl. 179—2.5)



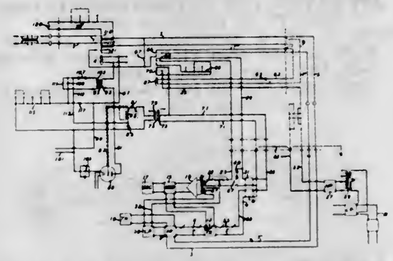
2. Carrier terminal equipment for connecting between a low frequency line and a high frequency line comprising a hybrid transformer for connection to said low frequency line, a network to balance said low frequency line connected to said hybrid transformer, a broad band pass differential transformer connected to the output of said hybrid transformer by a loop circuit, a terminating resistor connected to the primary center tap of said differential transformer, a balanced ring modulator connected to the secondary of said differential transformer in such manner that the frequencies from said differential transformer are suppressed in the output of said modulator, a source of carrier frequency connected to said modulator, an amplifier connected to the output of said modulator, an output transformer having a dual output connected to the output of said modulator, a high frequency circuit adapted to be coupled to said high frequency line, a high pass filter capable of passing both side band frequencies of the modulated carrier frequency interposed in said high frequency circuit, a circuit connecting one output of said output transformer and said high frequency circuit, a high pass filter designed to pass only one side band of the modulated carrier frequency interposed between said output transformer and said high frequency circuit, a sharply series resonant circuit tuned to the carrier frequency bridged across the circuit between said output transformer and said high frequency line, a circuit connecting the other output of said output transformer and the primary of said hybrid transformer, the coupling thereof to said low frequency line being balanced with respect to the coupling of line to said modulating frequency circuit to minimize energy transfer between the two circuits, a low pass filter interposed between said output transformer and said hybrid transformer, a loop circuit connecting said high frequency circuit and the center tapped primary of said differential transformer, and a band pass filter designed to pass only the second side band of the modulated carrier frequency interposed in the circuit connecting said high frequency circuit and said differential transformer.

2,497,593

CARRIER CURRENT SIGNALING SYSTEM

Lennart G. Erickson, San Francisco, Calif.

Application November 13, 1947, Serial No. 785,592
5 Claims. (Cl. 179—2.5)



1. In a carrier current communication system comprising a transmission line, a generator of carrier frequency current and means for modulating a message current thereon to produce side-band frequencies to carry the communication; a circuit sharply selective to the carrier frequency normally connected across said line effectively to short-circuit said carrier frequency, a local signaling circuit, a low frequency message circuit, means operated from said local circuit to open said selective circuit, a sharply selective receiving circuit resonant to said carrier frequency, a rectifier coupled to said receiving circuit, a relay actuated by rectified carrier frequency from said receiving circuit connected to switch said local signaling circuit onto said low frequency message circuit, and means for opening said receiving circuit operative concurrently with said means for opening said first mentioned selective circuit, whereby said receiving circuit is inoperative by carrier frequencies imposed on the line locally.

2,497,594

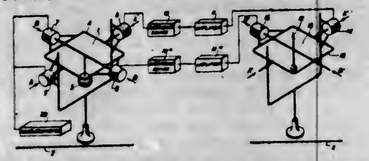
STABLE VERTICAL

Aaron D. Fialkow, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York

Application December 26, 1946, Serial No. 718,440
3 Claims. (Cl. 33—220)

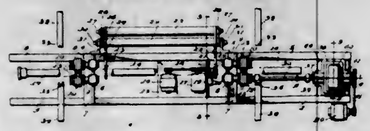
1. A stable vertical for use on a moving object

comprising, in combination, a pendulum of short natural period, means for mounting the same with freedom to rotate about mutually perpendicular axes, means coupled to said pendulum axes yielding varying voltages whose magnitudes are proportional to the displacement of said axes by said pendulum, an indicator, individual means for mounting said indicator with freedom to rotate about mutually perpendicular axes,



voltage responsive means coupled to said indicator axes and actuated by the said voltage yielding means to position said indicator in accordance with the position of said pendulum, and an electric filter means interposed between the voltage yielding means and said voltage responsive means to delete from the varying voltages therethrough those voltages arising as a result of the natural oscillation of said pendulum.

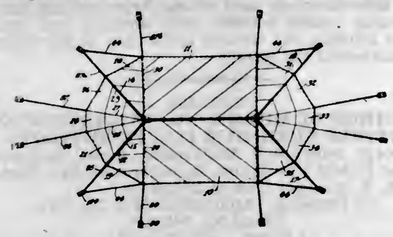
2,497,595
APPARATUS FOR DETERMINING ECCENTRICITY IN TUBULAR SECTIONS
Henry G. Floyd, Birmingham, Ala., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala., a corporation of Alabama
Application May 29, 1945, Serial No. 596,484
6 Claims. (Cl. 73—65)



1. In apparatus for determining eccentricity in tubular sections, anti-friction support means for supporting a section to-be-tested and including at least two sets of rolls each composed of two laterally spaced rolls on which said section may rest, drive means connected in drive relation with one only of said rolls for continuously rotating said section about its axis, and means connected in said drive means and operable for visually indicating torque variations during and incidental to the continuous rotation of the pipe.

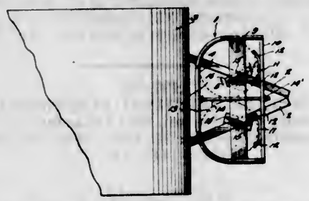
2,497,596
TENT
Leonard P. Frieder, Great Neck, and Walter S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder
Application June 11, 1946, Serial No. 676,000
17 Claims. (Cl. 135—1)

17. In a fabric tent, a tent-shaped body of fabric including a panel of fabric material having a substantially horizontal edge, and having side edges joined to other portions of said fabric body, said panel being cut on the bias relative to said horizontal edge, and said horizontal edge being normally incurving relative to the panel, means for supporting the panel at edge localities thereof remote from said horizontal edge, cord means disposed along said horizontal edge, said panel having associated means along said horizontal edge retaining the cord means in the aforesaid disposition and in such engagement with the panel that the cord means may exert outward force thereon substantially in the plane of the panel and throughout said horizontal edge when the cord means is tensioned, said cord means being adapted to have fastening connections made



thereto at its ends, to tension it endwise, whereby the fabric of the panel is distorted and rendered more taut when the cord means is tensioned, with said normally incurving horizontal edge thereby tending to flatten and the side edges to curve inwardly.

2,497,597
CARRIER FOR GAS CONTAINERS
Worth C. Gatewood, Alexandria, Va.
Application August 13, 1947, Serial No. 768,313
4 Claims. (Cl. 224—42.38)



1. A carrier for mounting containers of cooking gas upon a trailercoach comprising a frame open at its top and along one side and adapted to be mounted upon chassis bars adjacent one end of the body of a trailercoach, a yieldable bar extending longitudinally of the open side of the frame and rigidly secured at its ends to the ends of the frame, jaws carried by said bar in spaced relation to each other longitudinally of the bar and projecting therefrom inwardly of the frame, and means for flexing the bar inwardly of the frame and disposing the jaws in gripping engagement with gas containers placed in the frame through the open top thereof.

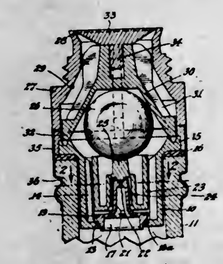
2,497,598
TRANSMISSION
Clifford B. Godwin, University City, Mo.
Application January 12, 1946, Serial No. 640,829
19 Claims. (Cl. 74—760)

1. Mechanism of the character described comprising a unitary assemblage of three spaced parallel plates constituting an output member, a shaft to be driven rigidly connected thereto, a pair of spaced parallel movable plates confined within the interstices obtaining between the intermediate and end plates of said output member, a circular series of bearings in said end plates concentric with but outwardly spaced from the center axis of said shaft to be driven, a similar series of internally cut ring gear openings in the intermediate plate of the output member, a circular series of alternate bearings and internally cut ring gear openings in each of said pair of spaced movable plates, a main journal for rotatably supporting the movable plates centrally thereof, a series of auxiliary journal assemblies each including a pinion member in spaced radial relation to the main journal, a power or input shaft rigid with said main journal and adapted to transmit rotary motion through said journal assemblies to said movable plates, a pair of control



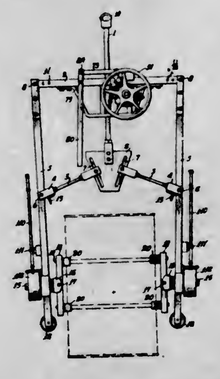
members in simultaneous engagement with each of the pinions of the auxiliary journal assemblies, gears associated with and supported by the auxiliary journal assemblies in engagement with the internally cut gear ring openings aforesaid, a cam member and a stud shaft included in each auxiliary journal assembly in rotary engagement with the bearings aforesaid, brake means to selectively immobilize either control member by the application of pressure, and visible means to indicate the degree of pressure applied.

2,497,599
RECEPTACLE CLOSURE
Edgeworth Greene, Great Notch, N. J., assignor to Inter-Seal Corporation, Spring Lake, N. J., a corporation of Delaware
Application April 3, 1947, Serial No. 739,108
10 Claims. (Cl. 215—22)



1. In a closure for a vessel having a neck, the combination of a casing adapted to be secured to the neck to close the latter and having an opening surrounded by a valve seat, a cover cooperating with the casing to form a chamber and having a pouring opening, buoyant valve means within the chamber freely movable toward and away from the seat, the valve means being more buoyant at the end adjacent the seat than at the other end, a ball weight in the chamber above the valve means, means within the chamber above the ball limiting the movement of the ball and valve means in a direction away from the seat and providing a conical guiding surface for the ball, and projections on the inner surface of the casing adjacent the seat for guiding the valve means in its movement, the effective length of the projections terminating short of the outer end of the path of travel of the valve means away from the seat, the difference in buoyancy at opposite ends of the valve means being such that, when it floats freely in liquid introduced through the pouring opening, when the vessel is inverted, it assumes a position with its axis making an angle to the horizonal approximately complementary to the vertical angle of said conical ball guiding surface.

2,497,600
HOIST DEVICE
William M. Grigsby, Richmond, Va.
Application May 21, 1945, Serial No. 594,992
15 Claims. (Cl. 294—116)

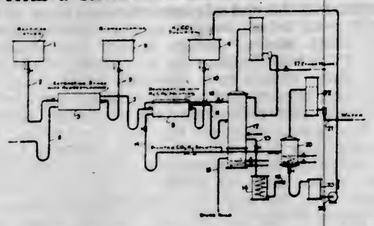


1. In apparatus of the character described the combination of; a beam, gripping jaws pivotally attached thereto, a hoist rod extending through said beam, the lower end of said hoist rod being connected to said gripping jaws by means that cause said jaws to approach each other upon upward movement of said hoist rod, and other means associated with said hoist rod and beam to move said beam with respect to said rod, whereby said jaws may be opened.

2,497,601
PURIFICATION OF ETHER
Henri M. Guinot, Versailles, France, assignor to Les Usines de Melle (Société Anonyme), Saint-Léger-les-Melle, France, a company of France
Application March 8, 1947, Serial No. 733,416
In France March 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 30, 1963
6 Claims. (Cl. 260—616)

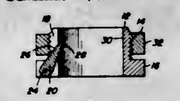
2. A process for purifying ether which comprises, reacting ether containing aldehyde with a substance selected from the group consisting

of hydroxylamine and water-soluble salts thereof to form a solution of aldehyde-hydroxylamine



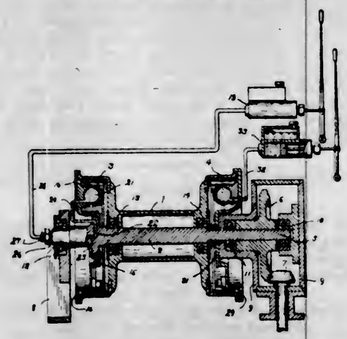
reaction product and separating the purified ether from the reaction product.

2,497,602
CLAMP CONNECTOR
Curtis L. Hatch, Salt Lake City, Utah, assignor of one-third to Edwin D. Hatch, Salt Lake City, Utah
Application April 1, 1948, Serial No. 18,385
2 Claims. (Cl. 173—259)



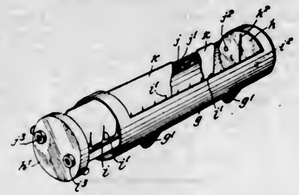
1. In a clamp connector, the combination of an externally screw-threaded bushing provided at one end thereof with an outturned flange, said bushing including said flange being formed with an open slot, a pin provided in said flange and extending transversely of said slot in a plane outside the screw-threaded surface of the bushing, a wedge-shaped gripping dog pivotally mounted in said slot on said pin, said dog having an outer surface extending inwardly in said slot beyond the screw-threaded surface of the bushing, and a clamping nut provided on said bushing and engageable with the outer surface of said dog whereby the latter may be urged into the bushing.

2,497,603
WINCH
Julmer Helstrom, Cook, Minn.
Application March 26, 1945, Serial No. 584,850
5 Claims. (Cl. 254—187)



1. A winch operating device comprising; a power shaft, a winding drum normally freely rotatable upon said shaft, an hydraulic clutch mechanism having expansive shoes carried by and rotatable with said shaft for coactive engagement with one end of said drum for driving same from said shaft, clutch operating means, fixed supporting means adjacent the opposite end of said shaft, an hydraulic brake mechanism supported upon said fixed means for coactive engagement with the opposite end of said drum, and independent fluid pressure lines for each of said hydraulic means, said clutch operating means comprising an expansive fluid chamber adapted to expand said shoes to engage one end of said drum, a bore axially of the end of said shaft adjacent said clutch, a fluid supply line leading from the inner end of said bore to said chamber, a plug installed within said bore, an adjustable stuffing gland installed axially of said plug, and one of said fluid pressure lines extending axially within and through said gland and plug and having a flange on the end thereof within said bore.

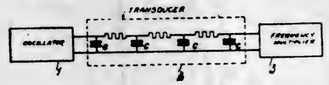
2,497,604
METHOD OF AND MEANS FOR ELIMINATING ELECTROSTATIC CHARGES IN INDUSTRIAL PROCESSES
Philip Sidney Hillard Henry, Ian Grant McDonald, and John Browning Todd, Didsbury, Manchester, England, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England, a British association
Application July 15, 1947, Serial No. 761,086
In Great Britain July 19, 1946
8 Claims. (Cl. 175—264)



1. Apparatus for eliminating electro-static charges in industrial processes by means of point discharge to ionize the air in the region of said electro-static charges, comprising two separate sets of discharge points arranged side by side and relatively close to each other and located in said region, a source of high voltage for charging each set of points simultaneously but with opposite polarity, whereby positive and negative ions will be simultaneously discharged into said region, and a partition of insulating material separating the two sets of discharging points throughout the length of the sets so as to minimize recombination of the positive and negative ions.

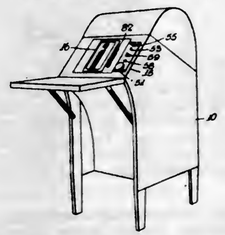
2,497,605
WAVE LENGTH MODULATING DEVICE
Gerard Hepp, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application May 13, 1947, Serial No. 747,778
In the Netherlands May 23, 1946
5 Claims. (Cl. 332—30)

1. A wavelength modulating circuit arrangement, comprising a source of oscillatory potential, an output circuit coupled to said source and means to vary the phase of said potential, said means comprising an electro-acoustical capacitative transducer responsive to sound waves impinging thereon and having a first electrode and a second electrode comprising a plurality of electrode elements in capacitative relationship with said first electrode and defining a plurality of distinct capacitors with said first electrode, one of said electrodes being in the form of an acoustically vibratory diaphragm and the capacity of each of said capacitors being individually variable in



proportion to the magnitude of the sound waves impinging on said diaphragm, an impedance element interconnecting two of said second electrode elements to form therewith and with said first electrode a phase shifting network, and means to connect said network to said source to vary the phase of said source in proportion to the magnitude of the sound waves impinging on said diaphragm.

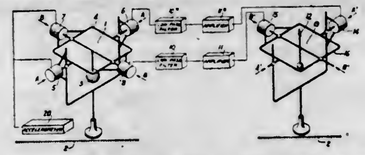
2,497,606
MICROFILM VIEWER AND PROJECTING APPARATUS WITH MASKING AND SELECTING MEANS
Alvin G. Herrmann, Freeport, N. Y., assignor to Herbert D. Adler & Company, New York, N. Y., a partnership
Application October 18, 1945, Serial No. 623,137
5 Claims. (Cl. 88—24)



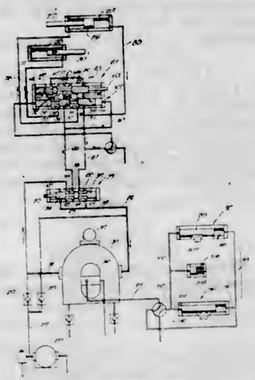
1. In a device for projecting and viewing film, the combination comprising microfilm having imposed thereon, transversely of the film, columnar data, each of the columns thereof being arranged seriatim along the length of the film, means for projecting a framed section of said film upon one face of a viewing screen, screen mounting means and underlying guides contiguous therewith having in the plane of the screen masking means including guides therefor adjacent said screen for a transverse portion of said framed section, and graphic indicia means on said opposite face, whereby a limited transverse portion may be viewed on the opposite face in combination with said last-mentioned graphic indicia means.

2,497,607
STABLE VERTICAL
Donald L. Herr, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 26, 1946, Serial No. 718,406
5 Claims. (Cl. 33—220)

1. In a stable vertical for use on a moving body, the combination of a pendulum freely suspended and capable of unrestrained motion about its point of support, a reference frame associated therewith, means responsive to the instantaneous angular displacements of said pendulum which yield voltages of angular position, means for averaging said voltages thus obtained, an indicator, and means for utilizing the average voltages to position said indicator continuously to the mean position of the pendulum.



2,497,608
HYDRAULIC CIRCUITS FOR MACHINE TOOLS
Rudolph E. Herrstrum and Stanley A. Bjorklund, Rockford, Ill., assignors to Rockford Machine Tool Company, Rockford, Ill., a corporation of Illinois
Application May 15, 1947, Serial No. 748,254
11 Claims. (Cl. 60—52)

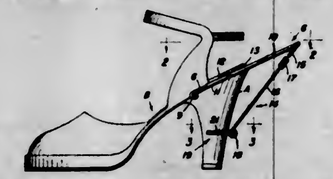


1. In a hydraulic machine tool having a reciprocating table, means for reciprocating the table including a closed hydraulic circuit, a pump for circulating hydraulic fluid under pressure in said circuit, a first cylinder in said circuit having a double acting piston reciprocable therein, a single piston rod in said cylinder and connected to the piston, a second cylinder in said circuit having a single acting piston reciprocable therein, said last mentioned piston having the same diameter as the piston rod and reciprocation of the pistons being adapted to cause reciprocation of the table, a valve in said circuit for selectively directing hydraulic fluid under pressure to either or both of said cylinders to cause the said pistons to reciprocate therein and means for directing return fluid from said cylinders to the pump intake and to the cylinder not receiving fluid under pressure.

2,497,609
SPLASH GUARD FOR USE ON SHOE HEELS
Clarence F. Hoover and Joseph Nissley, Harrisburg, Pa.
Application January 4, 1949, Serial No. 69,094
3 Claims. (Cl. 36—70)

1. In a splatter guard for shoe heels, an apron-like shield including a resilient U-shaped mem-

ber having springy limbs to partially embrace the heel, the crotch portion of said shield being rounded out to conform to coacting surfaces of said heel, a rubber flashing fitted into said crotch and coacting with the latter in providing an effective seal and assisting in shedding water from

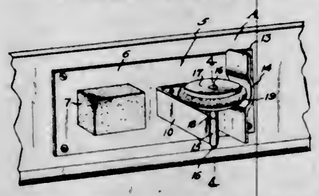


the shield, a U-shaped grip adapted to partially embrace a lower portion of said heel, and brace means interposed between and connected with the U-shaped member of said shield and said U-shaped grip, whereby to assemble the shield and grip.

2,497,610
PROTEIN PRESERVATIVE
Reginald W. Ivett, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 26, 1947, Serial No. 794,113
8 Claims. (Cl. 106—146)

1. An aqueous solution or dispersion of an alkali proteinate containing a preservative for said proteinate selected from the group consisting of a stabilized rosin amine and the salts thereof in an amount within the range of about 0.25% and about 10% of the weight of said proteinate.

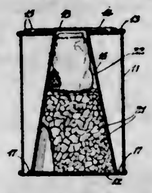
2,497,611
DOOR CHECK
Frank Jerousek, Fullerton, Md.
Application September 13, 1946, Serial No. 696,836
4 Claims. (Cl. 16—86)



4. A door check comprising a horizontally disposed U-shaped bracket of spring material, a door engageable buffer carried by one leg of the U-shaped bracket and a backing plate rising from the other leg of the bracket and being in the path of said buffer when said buffer is engaged and displaced by the edge of a door, said buffer carrying leg portion being formed at its free end to provide a bearing, said buffer being in the form of a wheel provided with an axle, said axle being journaled in said bearing.

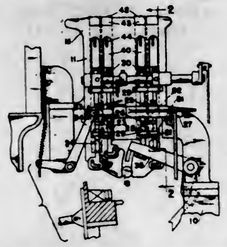
2,497,612
VAPORIZER
Max Katzman, Brooklyn, N. Y.
Application December 28, 1945, Serial No. 637,696
9 Claims. (Cl. 21—110)

1. A vaporizer comprising a container having an opening in a wall therein, a spout disposed in the container and movable through said opening, a first material in said container generating heat on the addition of a reactive reagent to said material and reacting expansively on said spout on the addition of said reactive agent to move



said spout through said opening, and a second material in said spout lying between said first material and said opening and generating vapors on application of heat thereto.

2,497,613
WEFT REPLENISHING MECHANISM FOR LOOMS
Osias J. Le Blanc, North Oxford, and Robert S. Schedin, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 18, 1948, Serial No. 49,962
7 Claims. (Cl. 139—245)

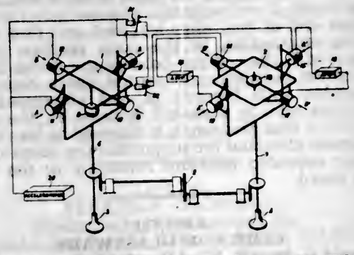


1. In a weft replenishing mechanism having a stack of bobbins which move downwardly by gravity toward transfer position, a resilient member mounted on the mechanism tending due to the resilience thereof to move away from the bobbins, and bobbin releaser means movable from one position thereof to another position thereof incident to a weft replenishing operation of the mechanism, the releaser means in said one position thereof engaging and forcing the member against the bobbins to resist movement of the latter, the releaser means in the other position thereof being out of engagement with the member, whereupon the latter moves away from the bobbins to enable the latter to fall toward transfer position without interference by the member.

2,497,614
STABLE VERTICAL
Earl E. Libman, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 10, 1947, Serial No. 721,435
5 Claims. (Cl. 74—5.47)

1. In an instrument to determine and maintain its axis perpendicular to the plane tangent to the surface of the earth at or above which said instrument may be at any given instant, a pendulum, a gyroscope, individual means for mounting said pendulum and said gyroscope so as to afford to each three degrees of rotation

about a fixed vertical, a fixed horizontal and a tiltable horizontal axis in said mounting means, means interconnecting said mounting means for maintaining parallel said fixed vertical and



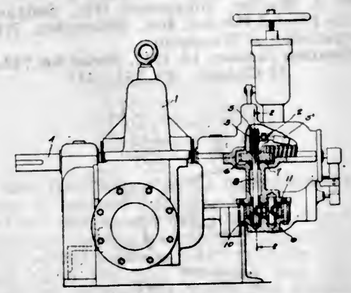
said fixed horizontal axis, and a servo mechanism controlled by said pendulum and acting on said gyroscope for precessing and coercing said gyroscope so that its axis of rotation is parallel to said pendulum.

2,497,615
SUSPENSION HOOK
Eugene J. Lux, New York, N. Y.
Application September 12, 1947, Serial No. 773,584
10 Claims. (Cl. 248—28)



1. A device including an upright, suspension hook member having a body having at its upper end a downwardly bent portion, the latter and the body having alined nail receiving openings, a decorative plaque element having an opening, the downwardly bent portion engaging in said opening to secure the element.

2,497,616
OIL PUMP DRIVE FOR STEAM TURBINES
Karl MacDonald, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application September 15, 1945, Serial No. 616,549
2 Claims. (Cl. 184—6)



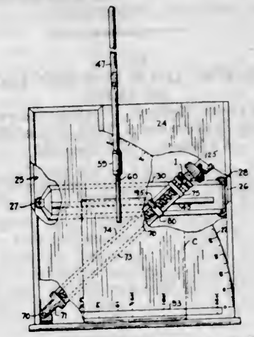
1. The combination with a steam turbine assembly including a governor embodying a governor disc, of a lubricating oil pump, said governor disc having a spiral gear cut upon its perimeter, and a spiral gear meshing with said governor disc carried spiral gear and connected to said oil pump for driving the oil pump by rotation of the governor disc.

2,497,617
FOLLOW-UP MECHANISM
Raymond B. Malley, Studio City, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 18, 1946, Serial No. 655,303
5 Claims. (Cl. 74—479)



1. A mechanism of the type described comprising: a driven member adapted to be restricted to movement in a first path; secondary driving means coupled to said driven member for movement with respect thereto only in a second path extending at an angle to said first path; a pair of independently movable primary driving members movable in third and fourth paths respectively; and link means independently linking each of said primary driving members to said secondary driving member, in which said second path bisects the angle of intersection of said link means at said secondary driving means.

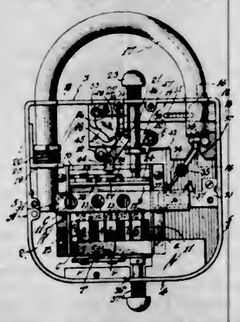
2,497,618
PROPORTIONAL MIXING SCALE
Paul Marienthal, Detroit, Mich., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1947, Serial No. 727,523
8 Claims. (Cl. 33—126.7)



1. A liquid measuring scale for different sizes of containers, comprising a frame, a vertically movable liquid level indicator carried on said frame, a carriage for the indicator having a horizontal track, vertical guide members on the frame for said carriage and an arm pivoted to the frame to swing across the path of said carriage at varying angles to the track, a settable element on the arm adapted to engage and move

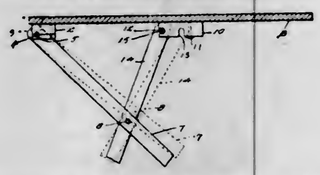
along the track to support the carriage, and an arcuate scale fixed on the frame showing the arm position graduated commensurately with even divisions of vertical movement of the indicator, and means for positioning said settable element at different positions along the arm for different sizes of containers.

2,497,619
COMBINATION LOCK
Adolph Mass, Maplewood, N. J.
Application October 15, 1948, Serial No. 54,739
14 Claims. (Cl. 70—25)



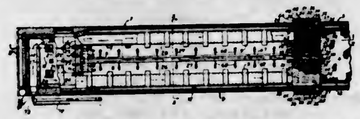
1. A combination lock comprising a bolt movable into and out of locking position, coaxially rotatable opposed tumblers at least one of which is movable toward and from the other and each having a plurality of projections extending toward the other, whereby when certain of said projections of one tumbler are in one position directly opposed to certain pins of the other tumbler said movable tumblers may move a certain distance toward the other tumbler while when said projections of the tumblers are in other positions movement of said movable tumbler toward the other tumbler is limited to less than said certain distance, and a connection between said movable tumbler and said bolt to release said bolt from and to hold said bolt in locking position when said projections are in the first mentioned and second-mentioned positions respectively.

2,497,620
THREE-WAY LOCK FOR TOY IRONING BOARDS
Ernest Melberg, Norway, Iowa
Application September 6, 1945, Serial No. 614,713
4 Claims. (Cl. 38—123)



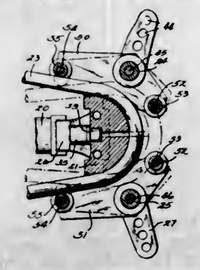
1. In combination with an ironing board provided with a stand on the underside thereof composed of crossed hinged legs foldable into one another and one of which legs is pivotally connected at its upper end to the underside of the board, a block rotatably connected to the underside of the board and provided with a notch in one end thereof and a second notch in its underside and between said end and the point of connection of the block to the board, said first notch being engageable with the hinge of the legs for locking the stand in a collapsed position against the board when the block is disposed with said first notch facing toward the pivot of said leg to the board, a rod extending transversely from the upper end of the other leg, and said first notch being engageable, in the same position of the block with the rod for holding the stand in one extended position, said second notch being engageable with the rod in said aforementioned position and in a second position of the block in which said first notch is disposed to face in the opposite direction for supporting the stand in two other extended positions relatively to the ironing board.

2,497,621
LEHR FOR GLASSWARE
Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 23, 1945, Serial No. 630,332
13 Claims. (Cl. 49—47)



1. Apparatus for annealing glassware, comprising an elongate tunnel, means for conveying glassware therethrough, muffle means located wholly beneath the path of the ware in the tunnel for passing relatively highly heated gases longitudinally of the tunnel beneath and in heat-transferring relation with the ware passing therethrough, said muffle means having a delivery end located a substantial distance along the tunnel from the front end thereof, heat-exchanging means operatively connected to the delivery end of said muffle means and located in said tunnel in part below and in part at a side of the path of the ware, an air blower operatively connected to said heat exchanging means to supply thereto air to be preheated, and air conducting and discharge means operatively connected to said heat exchanging means to receive preheated air therefrom and to direct such air into the tunnel.

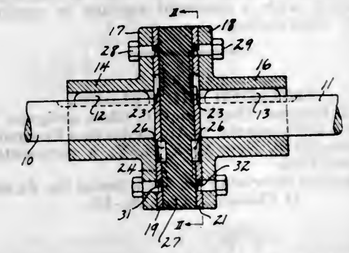
2,497,622
PIPE BENDING APPARATUS WITH PIVOTED SIDE SHAPERS
Henry A. Mueller, Milwaukee, Wis., assignor to Tal's Prestal Bender, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application January 16, 1947, Serial No. 722,410
14 Claims. (Cl. 153—33)



1. A pipe bending machine comprising, in combination, a frame, a pair of spaced formers

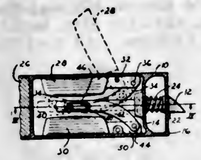
mounted on said frame, a forming element carried on said frame and arranged for movement between said formers, said element having an arcuate leading surface over which a pipe is bent, means arranged to impart movement to the forming element, a pair of levers severally pivoted on the frame beside the path of movement of said element, pipe engaged means mounted on the levers to effect lever oscillation as the element advances, and pipe engaging means on the levers disposed for acting on the pipe portions behind the advancing element in a direction to urge such portions toward each other.

2,497,623
FLEXIBLE COUPLING
Hardy Nolen, Birmingham, Ala.
Application July 10, 1946, Serial No. 682,677
1 Claim. (Cl. 64—13)



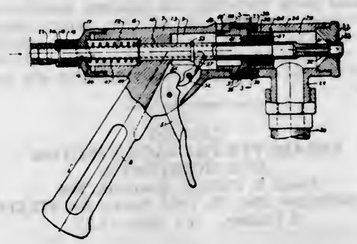
A flexible coupling for connecting driving and driven shafts, comprising a pair of metal disks having plane outer surfaces, a resilient rubber disk interposed between the metal disks and vulcanized thereto, coupling members having hub portions connected to the shafts and having flanges fitting against the metal disks, bolts extending through each of the flanges and threaded into the disks adjacent said flanges for securing the metal disks to the flanges, and radially disposed lugs on the inner surface of the metal disks extending into the rubber, said lugs extending less than half way through the rubber disk.

2,497,624
FLUSH HANDLE DOOR LATCH
Horace A. Nelson, Mission, Kans.
Application May 20, 1946, Serial No. 670,879
1 Claim. (Cl. 292—166)



A door latch comprising a hollow case having a pair of opposed openings therein; an elongated bolt reciprocably mounted in said case and having one end thereof normally projecting outwardly beyond the case; a spring in the case and coiled about the bolt adjacent said one end thereof for holding the bolt biased toward one end of its path of travel in said normal position; a manually manipulable, bolt-actuating element within each of said openings respectively, each element including a handle, and a stem in the case, said stem being pivotally mounted intermediate the ends thereof within the case for swinging movement of the handle thereof to and from a position substantially entirely within the case flush with the proximal outermost face of the case; a link pivotally secured at one end thereof to the free end of each stem respectively and disposed entirely within said case, each link having an elongated slot adjacent the opposite end thereof, said bolt extending between the links; and a pin on the bolt adjacent the opposite end thereof and extending through said slots, the pivotal mountings of said stems to the case and to the corresponding links being in transverse planes through the bolt intermediate said ends thereof.

2,497,625
SPRAY GUN
Henrietta M. Norwick, Oakland, Calif.
Application August 3, 1944, Serial No. 547,826
2 Claims. (Cl. 299—140)

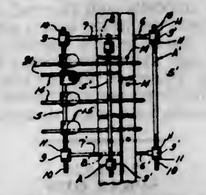


1. In a spray gun having a main body provided with a tubular open-ended barrel, a handle extending from the body, a tubular air-conducting member extending through said barrel, an axially movable tubular valve stem telescopically engaged with the tubular member and extending outwardly from one end of the barrel, an extension connected with said barrel at the end thereof through which the tubular valve projects, said extension having therein inlet and outlet passages for fluid, said outlet passage being associated with and adapted to be opened and closed by the tubular valve upon axial movement of the latter, and a trigger for moving said tubular valve in combination with a seal for restraining leakage of liquid from said extension and along said tubular valve comprising a closure member having a bore therein slidably receiving said tubular valve and secured in an end of said barrel, a plug member secured in said extension coaxially with and having therein a bore through which the tubular valve extends and is slidable, said plug member having therein an annular recess concentric with and surrounding said tubular valve, said recess having an open end facing the closure member of said barrel, compressible packing material in said recess, and means for releasably securing said extension to the end of said barrel whereby said closure member overlies and closes the open end of said recess.

2,497,626
SURGICAL SPLINT
Roy Persall, Morton, Wash.
Application November 9, 1945, Serial No. 627,599
2 Claims. (Cl. 128—92)

1. A surgical splint comprising a pair of similar splint units adapted to be disposed in crossed relation substantially at right angles to each

other when in use, each unit being in the form of a rectangular rod assembly composed of a pair of spaced straight longitudinal carrier rods and a pair of straight transverse bone piercing rods, and eye members on the opposite ends of said bone-piercing rods slidable on and adjustable longitudinally of the end portions of the carrier rods, said bone piercing rods being adapted to



pass through a broken bone at opposite sides of the break and having threaded intermediate portions for threaded engagement with the bone to fix said bone piercing rod against longitudinal movement transversely of the bone pierced thereby, and means to secure said bone piercing rods in adjusted positions, the carrier and bone piercing rods of each assembly being in the same plane.

2,497,627
CIGARETTE PACKAGE EJECTOR AND MOISTENER
Jacob E. Pollack, Dundalk, Md.
Application May 29, 1946, Serial No. 673,212
2 Claims. (Cl. 206—41.2)



1. A cigarette package comprising a deformable wrapper and a unitary insert in the bottom thereof, said insert comprising a stiff non-deformable frame member having openings adjacent each end and resilient diaphragms closing said openings whereby external pressure upon the package beneath either of said diaphragms is effective to displace material within the package thru a preformed opening in the top and the resilience of said diaphragms is operative to restore the bottom of said deformable package substantially to its non-deformed condition.

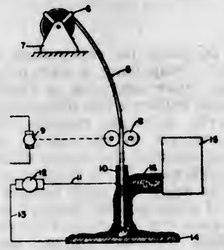
2,497,628
CRUSHED-FUEL STOKER HAVING MEANS FOR EQUALIZING THE DISTRIBUTION OF FUEL UPWARDLY IN THE RETORT
Cornelius Quist, Grand Rapids, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation of Delaware
Application October 17, 1945, Serial No. 622,838
4 Claims. (Cl. 110—45)

1. A stoker comprising a hopper, a fuel tube, a screw conveyer in the tube, a retort having a heel wall, an outwardly flaring neck having a throat between the tube and the retort, and a rib positioned on the wall of the retort adjacent the throat and near the upwardly movable side of the screw, and extending upwardly along one side of the neck, said rib being formed with a gradual curve on its two sides merging into the respective walls of the neck and the retort and at its ends merging into the throat and heel walls respectively, and having its edge extending inwardly and gradually increasing from bottom to top



and extending inwardly a substantial distance at the top, the screw when the neck is full of fuel lifting up part of the fuel into the throat at the rib side and pushing part of it along the bottom of the retort so that the fuel rises to the top of the retort with a crowned surface in uniform upward distribution.

2,497,629
SHIELDED ARC WELDING
Perry J. Rieppel, Worthington, Ohio, assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 10, 1948, Serial No. 64,496
11 Claims. (Cl. 219—10)



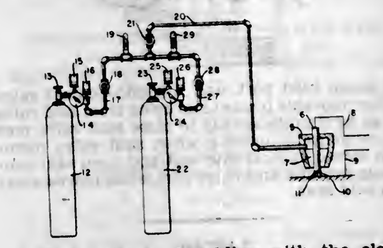
1. The method of electric arc welding which comprises maintaining an arc by supplying electric current from a source and surrounding the arc with a blanket of foam including a gaseous medium.

2,497,630
CONSTRUCTION OF SHIRTS FOR MEN
Ethel M. Roseen, Minneapolis, Minn.
Application August 9, 1946, Serial No. 689,447
3 Claims. (Cl. 2—115)



1. A man's shirt construction, comprising front panels, a collar, a unitary back panel joined to the front panels at the crest of the shoulders of a wearer, and a pair of pleats extending substantially vertically in parallel relation to each other from adjacent the outer limits of the collar and the upper slopes of the shoulders, said pleats commencing at the point of junction of the back panel with the front panels and terminating at the areas covering the tips of the shoulder blades to transfer excess fullness in the back panel from the area above the shoulder blades to the area below the shoulder blades and extending to the lower extremity of the back panel.

2,497,631
ARC WELDING
Gilbert R. Rothschild, Somerville, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application May 14, 1948, Serial No. 27,074
3 Claims. (Cl. 219—10)



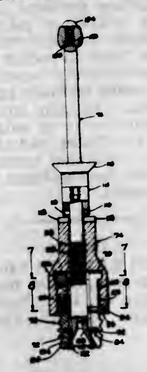
1. The method of welding with the electric arc which comprises striking an arc between the workpiece and an electrode and simultaneously and continuously delivering to the arc to form a protective gaseous shield therefor a mixture consisting of from 1% to not more than 10% of hydrogen by volume mixed with a rare gas of the atmosphere other than helium.

2,497,632
CATTLE MARKER
William F. Schacht, Huntington, Ind.; William J. Schacht, executor of said William F. Schacht, deceased, assignor to William F. Schacht, II, and Robert W. Schacht, both of Huntington, Ind.
Application July 8, 1946, Serial No. 681,828
2 Claims. (Cl. 40—3)



1. In a neck marker for livestock, a pliable strap of rectangular cross-section adapted to be placed upon the top of the neck of a livestock with its ends terminating at the sides of the neck; a pair of plates secured by rivets adjacent the respective ends of the strap and having perforations adjacent their lower ends registering with perforations adjacent the ends of the strap; a chain adapted to underlie the neck of the livestock and having one end engaged with a perforation in one of the plates and related end of the strap; and means for securing the free end of the chain in the perforation of the other plate and in the perforation in the related end of the strap.

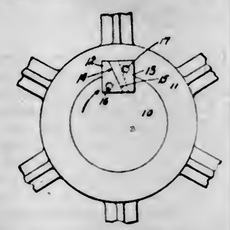
2,497,633
INTERNALLY APPLIED EXPANDING GRIPPING TOOL
Jack Shapiro and Marvin Shapiro, New York, N. Y.
Application April 8, 1947, Serial No. 739,990
2 Claims. (Cl. 81—72)



1. A tool for removing a screw-threaded lamp base from a threaded socket comprising a holder member having an internally screw-threaded part, a rod having a screw-threaded stem in screw-threaded engagement with said part, said holder member having a tubular portion extending axially from said screw-threaded part, said tubular portion being provided with an internal peripheral groove, a plurality of circumferentially disposed gripping elements carried by said holder member in said tubular portion thereof, each of said gripping elements being provided in its outer surface with a lateral end projection removably positioned in said groove for preventing relative axial movement of said holder member and said gripping elements, said gripping elements being radially movable in relation to said holder member and extending axially beyond the free end of said tubular portion thereof, said gripping elements being externally screw-threaded in the extended portions thereof for engagement with the screw-thread of the lamp base internally of the latter, each of said gripping elements comprising a longitudinally extending bar having an inner surface portion which flares outwardly toward the outer end thereof and being provided with longitudinally spaced recesses disposed on the inner surface thereof above said flared portion, and a pair of circular centrally apertured plates each provided with a plurality of circumferentially spaced recesses in the outer peripheral edges thereof, said plates engaging said gripping elements in the longitudinally spaced recesses thereof and said gripping elements engaging said plates in the circumferentially spaced recesses thereof whereby said gripping elements are retained by said plates in the circumferentially spaced relation thereof and said plates are held in fixed spaced relation longitudinally of said elements, said interengagement between said gripping elements and plates enabling limited radial movement of

said gripping elements to their circumferentially expanded and contracted positions for operative engagement with and release from the lamp base, the upper one of said plates being provided with a lateral key projection, said tubular portion being provided on its inner surface with a recess in which said key projection is disposed for preventing the turning of said upper plate in said holder member, said rod extending through the apertures in said plates and having a sliding fit therein, and said rod being provided with an inwardly tapering part at the end thereof below the screw-threaded stem thereof, said inwardly tapering part being in juxtaposition to said outwardly flaring surface portions of said gripping elements whereby rotation of said rod in relation to said holder member in a direction for unscrewing the lamp base from its socket results in axial movement of said inwardly tapered part toward the end of said holder member opposite the free end of said tubular portion thereof and in a radial outward movement of said gripping elements to clamp the latter radially against the lamp base so that continued rotation of said rod in said direction causes the lamp base to be unscrewed from its socket.

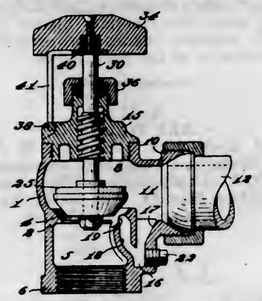
2,497,634
LOCKING KEY FOR SHAFTS
Harry P. Stevens, Oyster Bay, N. Y.
Application January 29, 1947, Serial No. 724,941
3 Claims. (Cl. 287—52.05)



1. A keyed assembly comprising a shaft and an element thereon formed with registering rectangular cross section, parallel wall recesses forming a keyway and a two-piece key means substantially conforming in cross section to the keyway when operatively disposed therein, said combined key pieces having forwardly and rearwardly disposed plane surfaces substantially coextensive with the forward and rearward side walls of the keyway and said key pieces having abutting plane surfaces sloped to provide for both longitudinal and vertical tapering of the key pieces and said key pieces being mated in reversely tapered relation.

2,497,635
MODULATING VALVE
Carl I. Stevens, Melrose, Mass.
Application May 28, 1948, Serial No. 29,748
2 Claims. (Cl. 137—103)

1. A modulating valve for a one-pipe steam system comprising a valve casing having a steam inlet port and a steam outlet port, a partition within said casing having an opening shaped to provide a frusto-conical surface which defines the valve seat of the main valve port, said partition defining an inlet chamber and an outlet chamber at each side of said valve port, said frusto-conical surface having a condensate opening formed within its confines, a U-shaped trap having one arm communicating with said outlet chamber at a point adjacent to said steam outlet port and its other arm communicating with said condensate opening so that condensate may flow from said outlet port through said trap and trickle down said frusto-conical surface to



said steam inlet port, and a frusto-conical valve member movable toward and away from said valve seat so as simultaneously to close said valve port and condensate opening when said valve member is moved against said seat and open said condensate opening and valve port when moved away from said seat.

2,497,636
PROCESS OF PREPARING DUST OF SLAKED LIME AND A HALOPHENOXYCARBOXYLATE WEED KILLER
Flaxney Percival Stowell, Buxton, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 4, 1946, Serial No. 674,387. In Great Britain June 4, 1945
11 Claims. (Cl. 167—45)

2. A process for the production of dust-like herbicidal compositions comprising a halophenoxycarboxylate which comprises slaking quick lime with water having admixed therewith a compound containing the radical

$$C_6H_{4-n}X_nY.O.CHR.CO—$$

in which X and Y may be each selected from the group consisting of hydrogen, halogen and methyl, n is an integer not greater than 2 and R is a member of a group consisting of hydrogen and alkyl, the concentration of said compound in said water mixture being between 1 and 14% weight/volume and the amount of solution employed being such that the product is obtained in dry pulverulent form.

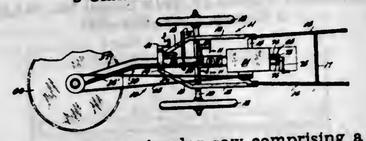
2,497,637
LAMINATES AND POLYMERS OF ALKENYL ESTERS OF ARYLPHOSPHONIC ACIDS
Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application December 6, 1945, Serial No. 633,272
14 Claims. (Cl. 154—43)

11. A solid laminated composition comprising layers of fabric made from fibers with the space between fibers and between layers of fabric being at least partially filled with a solid polymer of a beta, gamma dialkenyl arylphosphonate ester of the class consisting of diallyl and dimethallyl phenyl, tolyl, chlorophenyl, and chlorotolyl phosphonate.

2,497,638
COPOLYMERS OF ALKENYL DIESTERS OF ALKENYLPHOSPHONIC ACIDS WITH METHYL METHACRYLATE
Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application April 24, 1946, Serial No. 664,715
9 Claims. (Cl. 260—86.1)

6. A method which comprises reacting from 30 to 99% by volume of methyl methacrylate with 70 to 1% by volume of a beta, gamma alkenyl diester of an alkenylphosphonic acid selected from the class consisting of alkyl and phenyl substituted ethenylphosphonic acids in the presence of an organic peroxide polymerization catalyst at about 70 to 80° C. for a period of time sufficient to form a copolymer.

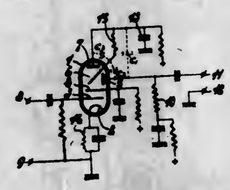
2,497,639
TWO-POSITION MOBILE POWER SAW
Leo Underwood, Bigelow, Ark.
Application October 1, 1947, Serial No. 777,189
3 Claims. (Cl. 143—43)



1. In a portable circular saw comprising a vehicle having two wheels and an axle supported thereby, a vehicle frame supported on said axle intermediate said wheels, said frame converging at the forward end of said vehicle and terminating in a guide member having an upright guideway, said guide member comprising a vertically rotatable threaded rod parallel with said guideway and rearward thereof, a pivotal clamp arm threaded on said rod and movable in a horizontal plane to and from said guide member, bolts passing through said clamp arm and through said guideway and carrying a clamp plate parallel with said clamp arm, an elongated saw carrying frame having a circular body portion passing through and being rotatable in said housing, means for forcing said clamp arm in the direction of said clamp plate to lock said saw frame in various selective angular cutting positions of said saw, an engine on said vehicle body having a driving pulley, a driven pulley for said saw, and a belt connecting said pulleys and movable with said driven pulley in all positions of said saw between horizontal and vertical positions.

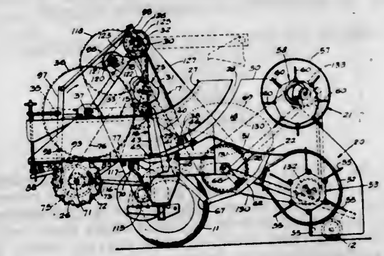
2,497,640
SECONDARY EMISSION AMPLIFYING TUBE CIRCUIT
Adelbert van Weel, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 20, 1946, Serial No. 685,202
In the Netherlands August 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 23, 1963
2 Claims. (Cl. 179—171)

2. An electric wave transmission circuit comprising a thermionic discharge tube having a cathode, anode, secondary emissive electrode and a grid included in the electron path between said anode and secondary electrode, a resistive element connected internally in said thermionic discharge tube between the anode and the grid, a first source of direct current potential of given voltage, an output stage, means to couple said first source of potential and said output stage to the secondary emissive electrode-cathode circuit of said thermionic discharge tube, a second source of direct



current potential having a higher voltage than the first source of potential, and means to connect said second source of potential to the anode of said thermionic discharge tube.

2,497,641
BALER
Wilhelm Vutz, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation, a corporation of Delaware
Application June 23, 1944, Serial No. 541,735
3 Claims. (Cl. 100—3)

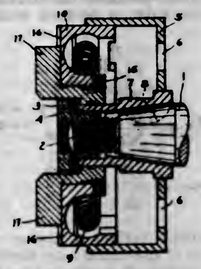


1. In a baler of the type described, a baling chamber having a receiving end with curved slots, said receiving end and said slots having a common center of curvature spaced from said chamber, a plunger head, said head including a transverse support bar extending through the curved slots of said baling chamber, said head having a plurality of longitudinal ribs, one end of each of which is attached to said bar, said head also having a transverse pressure plate covering a portion of the other ends of said ribs, supporting means secured to said transverse supporting bar, said supporting means being pivoted for rotation about the center of curvature, and crank means operatively connected to said supporting means and rotative about a point to the side of said chamber adjacent said center of curvature.

2,497,642
IMPULSE COUPLING
Albert F. Wagner, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application March 15, 1947, Serial No. 734,929
5 Claims. (Cl. 287—103)

1. In a device of the character described, an annular housing, a driving member having driving lugs and a portion extending into said housing and having a plurality of sets of aligned radial slots in the outer surface of said housing adapted to receive said driving lugs and means

in said housing for locking said portion of said driving member in said housing and thereby locking said driving lugs in any desired set of said slots.



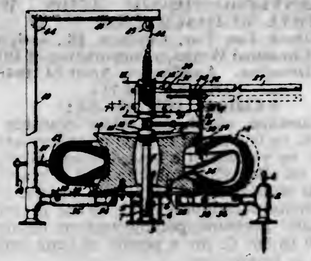
2,497,643
COIN PURSE
Neil S. Waterman, Scarsdale, N. Y., assignor, by mesne assignments, to Levelor Corporation, a corporation of New York
Application December 5, 1946, Serial No. 714,337
6 Claims. (Cl. 220—31)



1. In a coin purse, a base container section having a curved back wall having a curved recess within the curvature thereof for a cylindrical pivot and short end walls and a short front wall on the ends and front of said curved recess, a top container section having a curved back wall complementary to and engaging within said curved back wall of the base container section and provided within the curvature thereof with a recess superimposed on said curved recess and provided with end and front walls resting on the end and front walls of the curved recess of said container base section, a cylindrical pivot set into said recesses and having a trunnion engaging complementary bearing openings in the end walls of said recesses, and a cover for said coin purse attached to said pivot.

2,497,644
CIRCUMFERENTIALLY TRAVELING TYPE TIRE-CHANGING APPARATUS
Samuel Scott Watkins, Miami, Fla.
Application July 19, 1945, Serial No. 605,929
6 Claims. (Cl. 157—1.24)

1. In a tire changing apparatus, means for pulling a tire casing bead from the rim of a wheel comprising a support for holding the wheel in fixed position, a shaft mounted on the support and having a threaded portion extending axially through the wheel, an element adapted to be inserted beneath a bead of the casing and to extend outwardly therefrom in an axial direction past the adjacent rim of the wheel, a bushing sleeved on the shaft supporting said element, a nut member threaded on the shaft beneath the bushing and adapted to be turned up on the shaft to slide the bushing along the shaft and cause the element to pull a segment of the casing bead past the rim, and means for revolving the bushing and said element about the axis of



the shaft around the rim to pull progressively the entire bead past the rim.

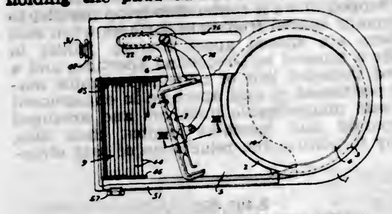
2,497,645
FLOATING TANK ROOF DRAIN
John H. Wiggins, Chicago, Ill.
Application August 20, 1945, Serial No. 611,590
3 Claims. (Cl. 220—26)



1. The combination of a liquid storage tank, a roof for said tank that floats on the liquid in the tank, a flexible drain conduit for said roof arranged on the interior of the tank and capable of floating in the liquid that sustains the roof, means on the roof for connecting the upper end of said drain to the roof, means on the lower end portion of the tank side wall for connecting the drain to said side wall, the conduit being free to flex intermediate the points where it is connected to the roof and to the tank side wall, and an abutment means for said conduit rigidly connected to the roof in stationary relationship with same and positioned between said conduit and the underside of the roof, said abutment means having no direct connection with the conduit and being provided with a contacting portion for said conduit located in a horizontal plane lower than the point of attachment of the upper end of the conduit with the roof, whereby said conduit will be prevented from assuming the form of an upwardly-disposed loop in which air can collect and interfere with the flow of the drainage from the top side of the roof through said conduit.

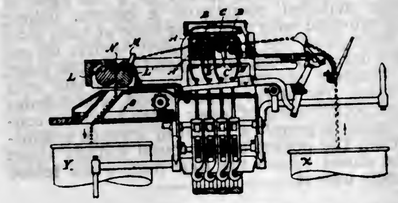
2,497,646
SLICING MACHINE
Travis W. Winberg and Raymond A. Ames, Beaumont, Tex., assignors to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application December 7, 1944, Serial No. 566,983
3 Claims. (Cl. 146—105)

1. In a slicing machine having a base, a horizontally disposed rotary knife and a commodity tray mounted for reciprocation past the cutting edge of the knife, in combination, a guage plate positioned radially adjacent the knife and adjustable in elevation with respect to the knife, means for reciprocating the commodity tray, a commodity clamp pivotally mounted on the tray, a spring for urging the clamp against the tray, a toothed wheel attached to the commodity clamp, a ring carrying at least one pawl and encircling the toothed wheel, means for normally holding the pawl out of engagement with the



toothed wheel and means for imparting rotary movement to the ring so that the pawl engages the toothed wheel and moves the clamp away from the tray against the force of the spring.

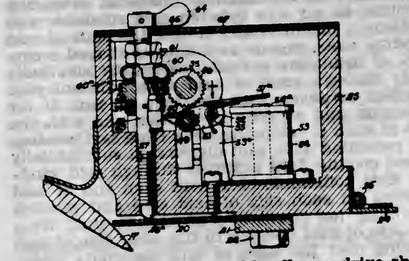
2,497,647
FOLDING DEVICE FOR ATTACHMENT TO DRAWING FRAMES
Herbert J. Woods, Greensboro, N. C., assignor to Burlington Mills Corporation, Greensboro, N. C.
Application June 2, 1947, Serial No. 751,735
2 Claims. (Cl. 19—159)



1. In a drawing frame, including pairs of upper and lower drawing rolls, calender rolls, a tube gear, and a web reducing trumpet located adjacent the entrance to the calender rolls, between which rolls a web is adapted to pass on its way from one sliver can to another, the improvement which comprises a web folding device located on the frame adjacent the entrance to the trumpet, arranged to fold the web in an orderly manner before entering the trumpet, said web folding device comprising a pair of upright spaced cylinders between which the web passes on entering the trumpet, one of said cylinders being eccentrically mounted to permit adjustment of the distance between them.

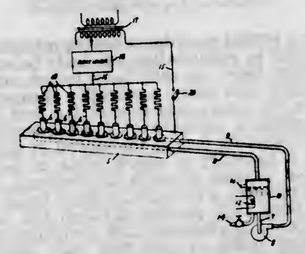
2,497,648
INK DELIVERY REGULATING DEVICE FOR PRINTING PRESS INK FOUNTAINS
Emory W. Worthington, Chicago, Ill., assignor to Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application September 16, 1944, Serial No. 554,417
13 Claims. (Cl. 101—365)

1. In an adjusting mechanism for a printing press ink fountain having a revoluble fountain roller and a laterally flexible blade extending along the same for regulation of the ink film thickness on said roller in accordance with lateral flexure of the blade toward and from the latter, the combination of a support extending longitudinally of the blade and having a series of adjusting screws threaded therein to bear against a side face of the blade generally normally thereto for lateral flexure of said blade in accordance with the endwise displacement of said screws incident to rotation thereof, positive stop means coacting with each of said screws for limiting the rotation thereof to a fixed angular distance correlated with the permissible range of flexure of said



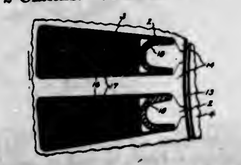
blade with reference to said roller, a drive shaft, and means including individual slip type drive connections for connecting each of said screws in driven relation with said shaft.

2,497,649
PROCESS OF ELECTROFORMING SELENIUM RECTIFIERS
Ralph D. Amsden, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 31, 1946, Serial No. 687,480
7 Claims. (Cl. 175—366)



1. The method of improving the rectifying characteristics of a selenium rectifier cell which consists in conducting therethrough electric pulsations having a polarity opposing the blocking characteristic of said cell and during said treatment maintaining said cell at approximately 80° C. independently of the heat developed by said pulsations.

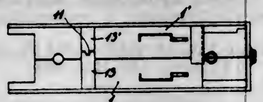
2,497,650
DYNAMOELECTRIC MACHINE
Marshall Anderson, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application December 28, 1945, Serial No. 637,735
2 Claims. (Cl. 171—252)



1. A dynamoelectric machine having a stationary member and rotatable member, said sta-

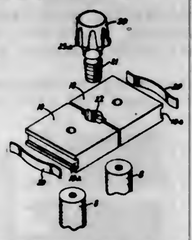
tionary member having a core of magnetic material with winding slots therein and a winding in said slots with a housing totally enclosing said core and winding, said housing including a thin diaphragm of nonmagnetic material extending through an air gap between said rotatable and stationary members and closing the ends of said winding slots, means including U-shaped members of insulating material extending longitudinally through each of said slots adjacent said winding arranged with the base of each U for retaining said winding in position and with the legs of each U extending away from said winding for providing with said diaphragm substantially closed cooling fluid passages through said winding slots communicating with each end of said housing on each side of said core and winding providing for circulation of cooling fluid from one side of said housing to the other side of said housing over the sides of said stationary member core and winding for cooling said machine.

2,497,651
SEWING MACHINE
Arnljot Austlid, Oslo, Norway
Application January 18, 1947, Serial No. 722,813
In Norway January 22, 1946
4 Claims. (Cl. 112—258)



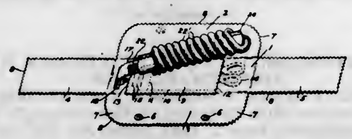
1. In a sewing machine a sewing machine body comprising in combination two body halves; two contacting faces on said body halves superimposed upon each other; a plurality of tapered recesses in the contacting face of the first of said body halves; a plurality of tapered projections in the contacting face of the second of said body halves; a plurality of screw holes in said first body half passing through the bottoms of said tapered recesses; a plurality of screw holes in said second body half passing through the tops of said tapered projections and corresponding to said screw holes in said first body half; and screws provided in said screw holes for securing said body halves together.

2,497,652
MAGNETIC STRUCTURE
Carl E. Basley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 18, 1947, Serial No. 786,708
3 Claims. (Cl. 175—21)



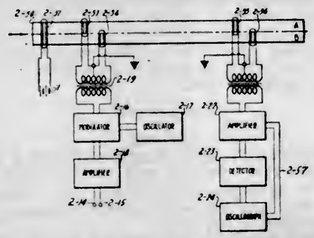
3. In a magnetic structure of variable magnetic reluctance, a base, a pair of relatively movable magnetizable members slidably mounted upon said base, spring means engaging said base and said members and arranged to bias said members into abutting engagement along a pair of contiguous surfaces, said members being conically tapped along a center line lying parallel to and equally spaced from said surfaces when said members are spaced apart thereby jointly to provide a tapered bolt-receiving aperture, and a tapered threaded bolt of non-magnetizable material positioned in said aperture in engagement with said magnetizable members and arranged to separate said members against their bias, thereby to control the reluctance of said structure.

2,497,653
EMBROIDERY THREAD KIT
Mabel E. Beardsley, San Francisco, Calif.
Application August 24, 1946, Serial No. 692,844
4 Claims. (Cl. 206—64)



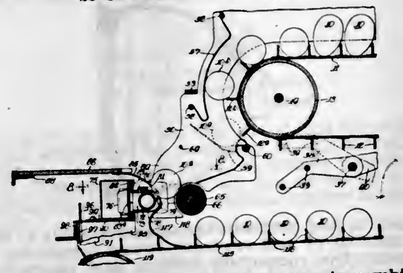
1. In an embroidery thread kit a flat piece of flexible material comprising a central oblong panel provided with extending flaps at both sides and both ends, and an elongated tubular thread pocket normally positioned upon the central panel and hingedly secured thereto at one end only and being free at the opposite end, said tubular thread pocket being of lesser width than the central panel to permit a bunch of threads extending from the pocket being wound spirally about it and closed within the four flaps when folded inwardly over it.

2,497,654
SYSTEM FOR MAGNETICALLY RECORDING A MODULATED CARRIER IN PUSH-PULL
Semi Joseph Begun, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application May 29, 1945, Serial No. 596,481
10 Claims. (Cl. 179—100.2)



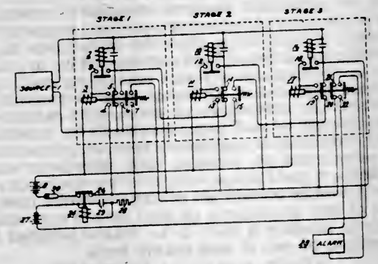
5. In carrying on magnetic record transducing operations by magnetic flux interlinkage between windings of a magnetic record transducer structure and elements of a magnetic record track, the process including the steps of: bringing the magnetic material of the record track to a substantially uniform magnetic state; and utilizing electric energy of a signal wave to be recorded for magnetically recording on said track two magnetic record traces, one trace having recorded thereon one-half cycle of the recorded signal wave and the other trace having recorded thereon the other half cycle of the recorded signal wave.

2,497,655
EGG CANDLING MACHINE
Ely Bramson, Chicago, Ill.
Application September 24, 1948, Serial No. 51,069
29 Claims. (Cl. 88—14.5)



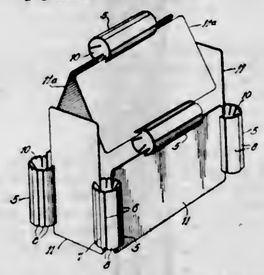
1. An egg candling machine having, in combination, a horizontally disposed motor-driven roller, a lamp comprising an illuminating tube disposed beside and parallel with said roller, a light shield consisting of a straight elongate hood parallel with and covering and enclosing said lamp and having a row of spaced light apertures opposite an upper part of the side of the lamp adjacent to the roller, the lamp being in near proximity to said apertures, and means supporting said lamp and shield in position for cooperation of said shield and roller to rotatably support over said apertures a row of eggs arranged end to end in spaced relation, said shield having a sloping wall portion in which said apertures are formed and against which the eggs rest with one-point sliding contact at or adjacent to the upper edges of said apertures.

2,497,656
SELECTIVE RELAY SYSTEM
Varro J. Clarke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 11, 1946, Serial No. 675,874
7 Claims. (Cl. 177—353)



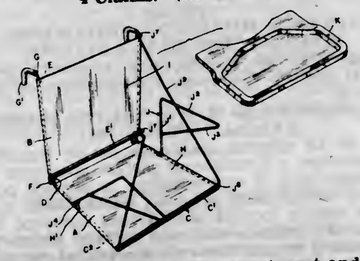
2. In combination, an input circuit, a first relay, means to actuate said relay when voltage of predetermined frequency and at least a predetermined magnitude and duration appears at said input circuit, a second relay, means to actuate said second relay when said first relay is actuated locking means to cause said second relay to remain in the operated condition when once operated, a third relay, means to actuate said third relay when said second relay is actuated and voltage of a second predetermined frequency and at least a predetermined duration and magnitude appears at said input circuit, a utilization device, means to energize said device when said third relay is actuated, a fourth relay constructed to operate after a predetermined time interval following energization, said time interval exceeding the sum of said predetermined durations, means for energizing said time delay relay when said first relay is actuated and for deenergizing it when said third relay is actuated, and means responsive to operation of said time delay relay to restore both said first and second relays to the deenergized condition if said predetermined time interval elapses after operation of said first relay and said third relay has not operated within that interval.

2,497,657
CONSTRUCTION TOY
Dalton E. Cole, Chicago, Ill.
Application October 25, 1945, Serial No. 624,534
4 Claims. (Cl. 46—31)



1. A toy capable of being assembled to simulate a variety of objects and comprising two basic kinds of units, one unit being in the form of a cylindrical body having conical recesses in its ends and longitudinally extending slits which extend radially inwardly from the cylindrical face of the body and being disposed circumferentially about the cylindrical face of the body with the bottom edges of the slits terminating at the walls of the conical recesses, and the other unit comprising a sheet of material whose edge portions are capable of being inserted into any of the slits in the cylindrical face of the body, and crosswise of the body in the slits at the end of the body.

2,497,658
COLLAPSIBLE AUXILIARY SEAT
Menno H. Davis, Detroit, Mich.
Application January 24, 1949, Serial No. 72,326
4 Claims. (Cl. 155—79)



1. In a collapsible auxiliary seat, seat and back members each formed of a generally U-shaped single wire frame and a sheet extending across between and wrapped about opposite side members of said frame, each U-shaped frame having

at its ends vertically extending open return bends with the return bends of the seat frame embracing the cross member of the back frame to form a hinge connection thereto, and a resilient sleeve on the downturned portion of each of the seat frame return bends completing the hinge connection and also constituting a cushion for the seat against its support.

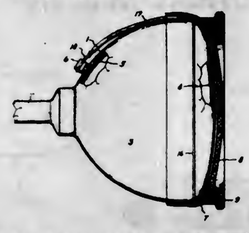
2,497,659
TUBING CLEANING DEVICE
Thomas J. Davis and Virgil B. Miller, Beaumont, Tex.
Application October 21, 1944, Serial No. 559,807
5 Claims. (Cl. 166—18)



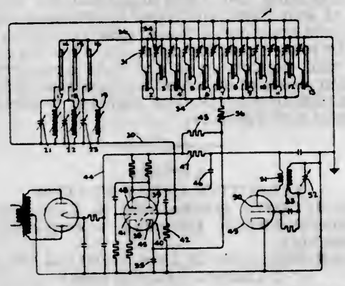
1. A device for removing deposits from tubing in oil wells including an assembly adapted to be lowered upon a cable and including an electric motor operatively connected to the cable, a shaft driven by said motor, a rotatable cutter on said shaft, and a stabilizer attached to the housing of said motor and extending downwardly proximate the periphery of said cutter, said stabilizer comprising a cutter ring having an annular inwardly tapering surface whereby deposits severed thereby are moved inwardly to be comminuted by the cutter, and arms extending downwardly from the cutter ring alongside the cutter to engage the deposits in advance of the cutter in the tubing as the assembly is moved axially of the tubing, whereby the device is restrained from rotation as it is advanced.

2,497,660
LEAKAGE MINIMIZING SHIELD FOR ELECTRON DISCHARGE DEVICES
George F. Devine, Easton, Conn., assignor to General Electric Company, a corporation of New York
Application June 18, 1945, Serial No. 600,009
5 Claims. (Cl. 250—141)

1. In an electron discharge device including an envelope, a luminescent surface positioned on an inner wall of said envelope, a cathode positioned within said envelope, accelerating electrode means located within said envelope between said cathode and said surface, means for impressing on said electrode a potential sufficient to direct electrons emitted by said cathode onto said surface whereby during operation of said device said surface acquires a high positive potential due to secondary emission and tends to produce leakage through said envelope, and means for minimizing leakage through said envelope comprising a conductive band arranged about the outside of said envelope adjacent the periphery of said surface, and means for maintaining said conductive band substantially at the potential of said electrode means comprising a conductive connection between said conductive band and said electrode means.



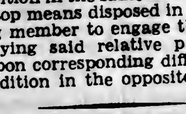
2,497,661
ELECTRONIC MUSICAL INSTRUMENT
Robert B. Dome, Geddes Township, Onondaga County, N. Y., assignor to General Electric Company, a corporation of New York
Application June 10, 1948, Serial No. 32,062
3 Claims. (Cl. 84—1.01)



3. An electronic musical instrument comprising a plurality of keys corresponding respectively to desired ones of a plurality of octaves to be reproduced, a set of keys corresponding in number to the notes of a single octave, an audio oscillator comprising a pair of input terminals, a plurality of reactances of given sign selectively connectable to said input terminals by means of respective ones of said octave keys, and a plurality of reactances of opposite sign selectively connectable to said input terminals by means of respective ones of said set of keys whereby operation of one of said sets of keys causes said oscillator to produce a note in an octave selected by operation of one of said octave keys.

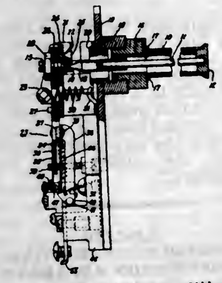
2,497,662
DEVICE FOR TUNING HIGH-FREQUENCY CIRCUITS
Henry M. Dressel, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application August 29, 1947, Serial No. 771,303
10 Claims. (Cl. 171—242)

2. A device for tuning a high frequency circuit, comprising a tubular metal case, an elongated high permeability core disposed in the case and slidable lengthwise through an open end thereof, said core being provided with a radial slot extending lengthwise of it, and a metal conductor element extending into said slot adjacent said open end of the case and then lengthwise of the inside of the core toward the opposite end of the case, one end of said element engaging the case, and one



end of the case and the free end of said element being adapted to be connected in said circuit, whereby an inductive circuit is formed through said element and case which can be varied by sliding the core or case lengthwise relative to the other.

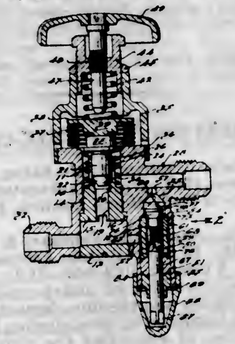
2,497,663
SELECTIVE CONDITION CONTROL
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 15, 1946, Serial No. 690,617
11 Claims. (Cl. 200—137)



1. A reversely variable condition responsive control device having in combination control means including a movable operating member having a control member movable with respect thereto, means including a movable interlocking member for controlling the relative positions of said control and operating members, condition responsive means for moving said members interlocked in different relative positions to operate said control member to a predetermined control position upon corresponding different variations of said condition in the same direction, and means including stop means disposed in the path of said interlocking member to engage therewith for reversely varying said relative positions of said members upon corresponding different variations of said condition in the opposite direction.

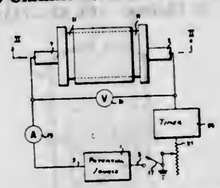
2,497,664
PRESSURE CONTROL VALVE
John E. Gray, Robert A. Gray, Jr., and William M. Parker, Port Huron, Mich., assignors to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application June 19, 1946, Serial No. 677,754
9 Claims. (Cl. 277—54)

2. A valve comprising a valve body having an inlet passage and an outlet passage, valve means in the body between the inlet and the outlet passages for controlling the flow of fluid through the valve, means providing a by-pass between the inlet and outlet passages and around the valve means, port means communicating with the by-pass and adapted to be connected to a gauge or the like, and auxiliary valve means for selectively opening the by-pass to both the inlet and outlet



passages or for opening one of the latter passages to said port or for closing the by-pass and port to both passages.

2,497,665
PIEZOELECTRIC DEVICE
Charles K. Gravley, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application February 7, 1945, Serial No. 576,561
5 Claims. (Cl. 171—327)

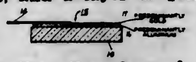


1. The method of electroding the surface of a section of fusible piezoelectric material, that comprises applying to said surface a layer of electrically conductive material, preheating said section of piezoelectric material to a temperature above room temperature but below the temperature at which the piezoelectric action is permanently impaired, positioning an induction heating coil in electromagnetic energy transfer relationship with the said layer of electrically conductive material and with the axis of the coil substantially parallel to the plane of the layer of conductive material, passing alternating current through said coil to cause said layer to be heated to a temperature sufficiently high to cause fusion of the piezoelectric material immediately adjacent thereto and discontinuing the heating before damage is done to the remainder of the section, whereby said layer is intimately bonded to the section to constitute an electrode therefor.

2,497,666
ELECTRODE FOR PIEZOELECTRIC CRYSTALS
Charles K. Gravley, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application May 4, 1945, Serial No. 591,900
5 Claims. (Cl. 171—327)

1. An electrode for a piezoelectric crystal element comprising, a layer of unoxidized aluminum

one face of which is in intimate contact with said element, and a layer of gold in intimate



contact with the other face of said layer of aluminum.

2,497,667

HEAT-TREATMENT OF NICKEL-CHROMIUM ALLOYS

Harold Ernest Gresham, Little Eaton, and Douglas Wilson Hall, West Monkseaton, England, assignors to Rolls-Royce Limited, Derby, England

No Drawing. Application February 4, 1947, Serial No. 726,441. In Great Britain February 8, 1946
8 Claims. (Cl. 148—21.9)

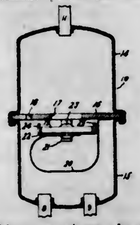
1. In the processing of nickel-chromium base alloys containing a hardening element and capable of being hardened by precipitation heat treatment, the step of subjecting the alloy to a two-stage heat treatment by first heating it during several hours at 650 to 895° C. and thereafter subjecting it during 8 to 30 hours to soaking at 1020 to 1100° C., then cooling and finally ageing at 650 to 850° C.

2,497,668

OVERLOAD LIMITING DEVICE

Victor J. Grumblatt, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application October 3, 1947, Serial No. 777,739
10 Claims. (Cl. 62—115)



2. A refrigerating system including a compressor and an evaporator, means including a conduit for conveying refrigerant from said evaporator to said compressor, said compressor being adapted to move refrigerant through said conduit at a substantially constant velocity regardless of the density of the refrigerant, a partition element within said conduit having at least one opening therein defining a passage for refrigerant, a valve for reducing the size of said passage, and means for holding said valve normally spaced from said partition element in the path of refrigerant flowing through said conduit, said valve being movable to its closed position, the movement of said valve to its closed position being effected solely by the force exerted by refrigerant of greater than a predetermined maximum density flowing through said conduit.

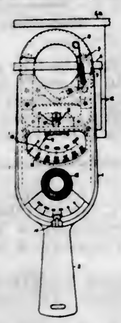
2,497,669

FLUX DISTRIBUTION COMPENSATOR FOR ELECTRICAL MEASURING INSTRUMENTS

Shubel C. Haley, Narragansett, R. I., assignor to General Electric Company, a corporation of New York

Application April 12, 1949, Serial No. 86,998
3 Claims. (Cl. 171—95)

1. An electrical measuring instrument comprising a stationary field magnet having pole pieces spaced apart by a gap, a stationary magnetic core centered in said gap and spaced from said pole pieces, a coil surrounding said core and rotatively mounted to rotate about the core and between it and said pole pieces, said coil having a measurement range of rotation of less than 180 degrees, a winding on said magnetic circuit for producing a field flux between its pole pieces and through the core, a stationary compensating coil



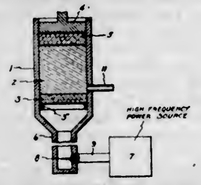
mounted on said core within the moving coil for producing a flux through the core at substantially right angles to the direction of the field flux therethrough, and connections for connecting said two coils to a common source of supply such that the fluxes produced by said coils in the core will be proportional to each other and in opposition when the rotatively mounted coil is at approximately the center of its measurement range of rotation.

2,497,670

HIGH-FREQUENCY HEATING AND COMPRESSION APPARATUS

Earl C. Hanson, Cleveland, Ohio, and Donald E. Watts, De Witt, N. Y., assignors to General Electric Company, a corporation of New York

Application June 1, 1946, Serial No. 673,725
6 Claims. (Cl. 219—47)



1. High frequency electric heating and compression apparatus comprising an electronic oscillator generator for supplying high frequency power, walls made of electrically conducting material forming a heating and compression chamber closed at one end, power transmission means connecting said generator with said chamber including power coupling means extending through one of said walls into said chamber for producing high frequency oscillating fields in said chamber for the generation of heat in a material to be heated in said chamber, a partition wall of dielectric material extending across said chamber adjacent said one wall thereby to provide a space for said power coupling means between said partition wall and said one wall, said partition wall being made of a material having a low power factor as compared with the material to be heated,

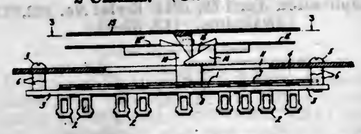
and pressure applying means made of electrically conducting material closing the other end of said chamber operable to compress the material in said chamber.

2,497,671

AUTOMATIC SWITCHING DEVICE

Bernard A. Harvey, Liverpool, and Eric O. Peterson, Syracuse, N. Y., assignors to General Electric Company, a corporation of New York

Application February 18, 1949, Serial No. 77,204
2 Claims. (Cl. 200—54)



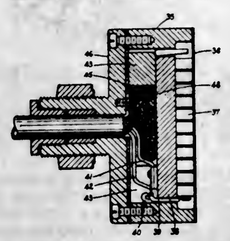
2. In a radio receiver adapted to be connected to internal batteries or to an external power source and having an enclosing cabinet including a door, means automatically to disconnect said internal batteries from said receiver when said door is closed comprising a flat supporting member located within said cabinet facing said door and having an aperture formed therein, a multiple contact switch supported by said supporting member beneath said aperture, said switch having a switching armature arranged manually to be moved in a direction parallel to the plane of said supporting member between an internal battery connecting position and an external terminal connecting position, a manually operable switching handle secured to said armature and extending through said aperture, a wedge shaped member secured to said handle and resting on the outer surface of said supporting member, said wedge shaped member having one surface inclined to said supporting member, and a striking member projecting from said door at a point aligned to the upper portion of said inclined surface when said armature is in said battery connecting position thereby to strike said inclined surface as said door descends and to enforce a lateral movement of said armature away from said internal battery connecting position when said door is closed.

2,497,672

PIEZOELECTRIC APPARATUS

Hans Jaffe, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application March 19, 1945, Serial No. 583,424
15 Claims. (Cl. 171—327)



1. A piezoelectric device comprising a piezoelectric crystal which tends to decompose with liberation of ammonia gas, a housing around said crystal, and ammonia gas within said housing and in contact with the surface of said crystal.

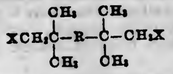
2,497,673

REACTION OF ALPHA-BETA UNSATURATED COMPOUNDS WITH AROMATIC HYDROCARBONS AND PRODUCTS OBTAINED

William Kirk, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 18, 1946, Serial No. 662,613
8 Claims. (Cl. 260—515)

1. A compound having the general formula



in which R is an aromatic hydrocarbon diradical, and X is a substituent selected from the group consisting of —$COCH_3$, —COOH, and —CN, said diradical being selected from the group consisting of phenylene, naphthalene, biphenylene, diphenylenemethane, and 1,2-diphenyleneethane.

2,497,674

WINDOW WASHER

Ushir Kolchinsky, Atlantic City, N. J.

Application November 14, 1945, Serial No. 628,544
1 Claim. (Cl. 15—136)



A window washer comprising a hollow elongated head receptacle, oval shape in cross section and having a longitudinal slot in one side, a squeegee of non-absorbent material mounted in said slot and sealing the latter, said head receptacle having a row of outlet orifices in the head receptacle in adjacent spaced parallel relation to the squeegee, a rigid tubular handle, of appreciable length and elliptical in cross section, secured at one end to said head receptacle and communicating with the interior thereof, and a rubber bulb detachably mounted on the opposite end of said handle to hold and propel liquid therefrom through the handle to the head receptacle and thence through the outlet orifice onto the squeegee, said bulb also functioning as a handhold whereby the apparatus may be manipulated by one hand during its use.

2,497,675

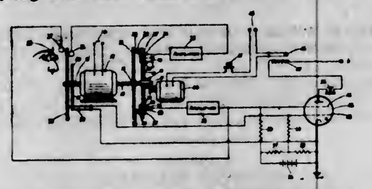
INDICATING DEVICE WITH AUTOMATIC ZERO ADJUSTMENT

Otto Kornei, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application October 30, 1946, Serial No. 706,584
8 Claims. (Cl. 177—351)

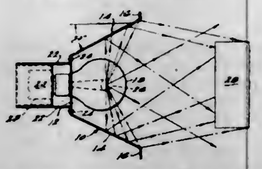
1. In an indicating device with an eye piece, indicia means a portion of which is observable

through said eye piece, a record medium, driving means for uniformly rotating said indicia means and said record medium in synchronism, means for uniformly repeatedly reproducing a momentary signal from said record medium, electrically controlled drive means having a power supply circuit including normally closed switch means for rotating said reproducing means with respect to said record medium in addition to the relative uniform motion therebetween, a first control switch and a second control switch connected to said switch means in the power supply circuit for said drive means, circuit means connecting said first control switch to said second



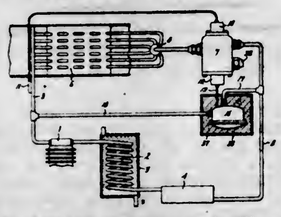
control switch, a control cam, means for driving said control cam in synchronism with said indicia means and said record medium for momentarily and periodically closing the first of said control switches, means connecting said second control switch to the signal reproducing means from which it receives periodic and momentary electrical impulses, said second control switch becoming conducting upon the first coincidence of one of said electrical signal impulses from said reproducing means with the closing of said first switch to cause the said normally closed switch in said power supply circuit for the drive means to open and remain open.

2,497,676
INFRARED RAY EQUIPMENT
Ralph W. Lashells, Findlay, Ohio
Application March 27, 1946, Serial No. 657,395
1 Claim. (Cl. 219—34)



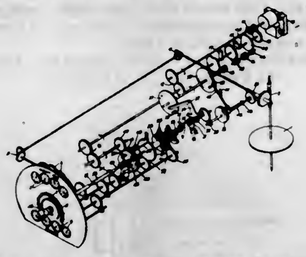
Infrared ray equipment comprising in combination a relatively elongated one piece trough-like member formed from sheet aluminum having a specular finish and comprising a relatively flat base and a pair of opposed outwardly diverging substantially flat side walls projecting from the edges thereof, and terminating at their free edges in laterally outwardly directed flanges, said sheet aluminum being of such a thickness as to permit the angularity between said side walls and said base to be readily varied between 30° and 45° with respect to the central plane of the reflector by bending the side walls with respect to said base, and the angularity of said flanges with respect to such side walls may be readily varied by bending said flanges with respect to said side walls, and an infrared ray lamp supported in fixed relations with respect to said reflector with the infrared ray emitting element thereof approximately centrally of the central plane of said reflector and at such distance inwardly of the open end of said reflector that at least a part of the rays projected from said emitting element will strike said side walls and be reflected therefrom toward said central plane.

2,497,677
REFRIGERATING SYSTEM, INCLUDING FLOW CONTROL DEVICES
Harold F. Lathrop, Grabill, Ind., assignor to General Electric Company, a corporation of New York
Application April 26, 1944, Serial No. 532,772
15 Claims. (Cl. 62—8)



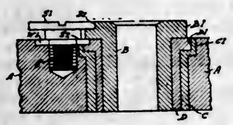
14. An expansion device for controlling the flow of refrigerant in a refrigerating system or the like comprising a valve body having an inlet and an outlet, a valve between said inlet and said outlet, two temperature responsive devices arranged in opposed relation to actuate said valve, one of said devices tending to open said valve on an increase in temperature and the other of said devices tending to close said valve on an increase in temperature, and means independent of said valve for maintaining liquid refrigerant in heat exchange relation with said other device and at substantially the pressure within said outlet whereby said other device is responsive to substantially the saturation temperature of the refrigerant at said outlet pressure.

2,497,678
MAXIMUM DEMAND METER RESET MECHANISM
John R. Macintyre, South Peabody, and Robert L. Davis, Saugus, Mass., assignors to General Electric Company, a corporation of New York
Application February 10, 1948, Serial No. 7,438
5 Claims. (Cl. 171—34)



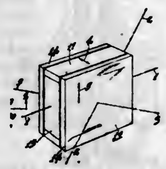
1. A demand meter comprising a demand measuring part, means for advancing said part from a zero position in accordance with the demand to be measured, means for resetting said part to a zero position, a timer motor, and a plurality of Geneva gears in series driving relation between said motor and resetting means through which said resetting means and part periodically are directly driven to a zero position by said timer motor.

2,497,679
ADJUSTABLE BUSHING FOR DRILL JIGS
Richard E. Maples, Lakeville, Mich.
Application August 25, 1945, Serial No. 612,622
8 Claims. (Cl. 77—62)



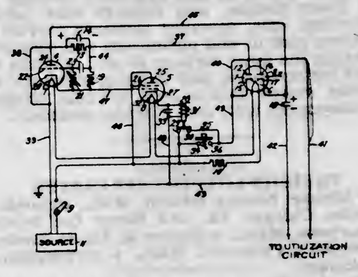
1. The combination, with a support having a counterbored circular opening and a cylindrical element to be positioned therein, there being a space intermediate said bore and said element, of a pair of eccentric bushings telescoped one within the other in said space, said bushings each having flanges, outer surfaces whereof lie in a common plane substantially flush with a surface of said support, the outer bushing being a slip fit in said opening and bored eccentrically to receive the inner bushing, and the inner bushing bored eccentrically to receive said element, whereby said element may be accurately located, there being means for locking said bushings in adjusted position relative to said support, said means comprising a counterbore in the face of said support, said bushing flanges having aligned recess forming extensions of said counterbore to provide a locking recess, a locking member fitting in said locking recess, and means holding said locking member within said locking recess.

2,497,680
PIEZOELECTRIC CRYSTAL UNIT
Frank Massa, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Original application March 26, 1942, Serial No. 436,304. Divided and this application January 19, 1944, Serial No. 519,069
9 Claims. (Cl. 177—386)



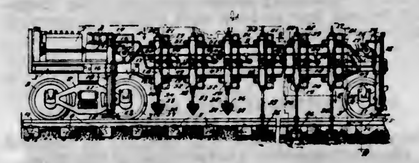
1. A piezoelectric crystal unit adapted to operate in direct contact with a sound transmitting liquid having a high acoustic impedance and which will not injure the crystal, and having four of its six faces adapted to vibrate piezoelectrically due to an alternating cause; comprising, in combination; a crystal, electrode means on the two faces which are not adapted to vibrate piezoelectrically due to the alternating cause, said electrode means having low mass compared to the mass of the said crystal and being adapted to be connected in an electric circuit, and means having a lower acoustic impedance than the liquid directly connected to and substantially covering two of said four piezoelectrically vibrating faces to substantially decouple the said two faces from the high acoustic impedance of the liquid.

2,497,681
ELECTRONIC TIMING SYSTEM
Harry F. Mayer, Baldwinsville, N. Y., assignor to General Electric Company, a corporation of New York
Application December 22, 1948, Serial No. 66,863
2 Claims. (Cl. 175—320)



1. An electronic timing system comprising an electron discharge device having an anode, cathode and control grid, a first source of positive operating potential connected to said anode, a second source of negative potential connected to said cathode through a common cathode resistor, a timing capacitor connected between said grid and a point on said resistor, means for charging said capacitor in response to voltage across said resistor comprising a second resistor connected between said grid and a second point on said cathode resistor, whereby said device draws increasing current through said cathode resistor as said capacitor charges, a second electron discharge device having a grid circuit and an anode circuit, said anode circuit including a third source of operating potential and a current-responsive relay, means for biasing said grid circuit in response to the voltage across said second source and said cathode resistor in series, the anode current in said second device being insufficient to actuate said relay until the voltage across said cathode resistor rises to a predetermined value, a utilization circuit normally energized when said relay is in unactuated position, and means responsive to actuation of said relay simultaneously to disconnect both said first and second sources from said first device and to deenergize said utilization circuit.

2,497,682
RAILROAD BALLAST TAMPER AND EQUALIZER
Walter H. Mertz, Lima, Ohio
Application March 6, 1946, Serial No. 652,414
5 Claims. (Cl. 104—12)



5. In a railroad ballast tamper, the combination which comprises a supporting car frame having side beams spaced above the rails and ties of a roadbed on which the car frame is positioned, vertically positioned fluid pressure actuated cylinders carried by said side beams, an up-

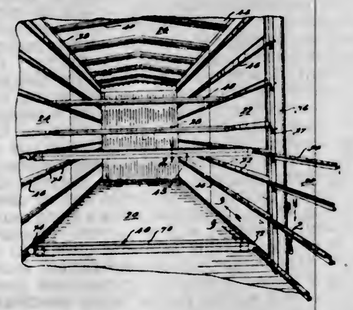
per and a lower piston in each of said cylinders, tubular connecting rods extended downwardly from the lower piston in the said cylinders, tamping plates pivotally and slidably mounted on the lower ends of the said tubular connecting rods and positioned to form a V in the closed position, piston rods extended downwardly from the upper piston in said cylinders, through the said lower pistons, and through said tubular connecting rods, spreader elements carried by the lower ends of said piston rods and positioned to engage the inner surfaces of said tamping elements for spreading said tamping elements, and resilient means holding said tamping elements in engagement with said spreader elements.

2,497,683

FREIGHT LOADING APPARATUS

Sulo Michael Nampa, Detroit, Mich., Kenneth J. Tobin, Chicago, Ill., and Henry Lee Dunlap, Dearborn, Mich., assignors to Evans Products Company, Plymouth, Mich., a corporation of Delaware

Application September 25, 1948, Serial No. 51,272
33 Claims. (Cl. 105—369)



1. As an article of manufacture, an elongated freight bracing bar to extend across, between, and be secured in selected perforations in, opposite upright side surfaces of a chamber such as a freight car, said bar having adjacent each end thereof a perforation-entering and normally anti-pull-out member which, in its engaged and operative position, has a laterally extending portion interengaging behind a said surface, at least one of said members being mounted on said bar to at least swing relative to the bar in a plane substantially parallel and adjacent to the longitudinal axis of the bar to permit insertion and removal of both said members, and a movable latch to selectively secure said swingable member to said bar to hold said swingable member in its operative position.

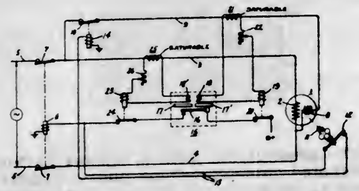
2,497,684

PROTECTIVE SYSTEM FOR DYNAMO-ELECTRIC MACHINES

Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application September 18, 1947, Serial No. 774,722
4 Claims. (Cl. 318—221)

1. An electrical control system for an alternating current motor having a starting and a running winding comprising, switching means for connecting said windings to a source of power, a single thermal relay means for operating said switching means, a plurality of heater elements for said relay means, means for energizing one of said heater elements nonlinearly in response to current in one of said motor windings, means for energizing the other of said heater elements



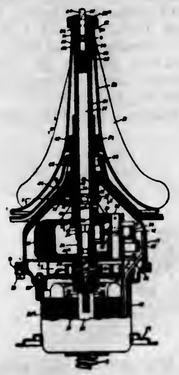
non-linearly in response to current in the other of said motor windings each of said last named means including a saturable current transformer in circuit with the respective heater element, and speed responsive means for disconnecting said starting winding from said source of power upon attainment of a definite rotation speed of said motor.

2,497,685

LOCKING MEANS FOR CLOTHES-WASHING MACHINES

John H. Palmer, Milford, Conn., assignor to General Electric Company, a corporation of New York

Application November 20, 1947, Serial No. 787,114
5 Claims. (Cl. 192—3.5)



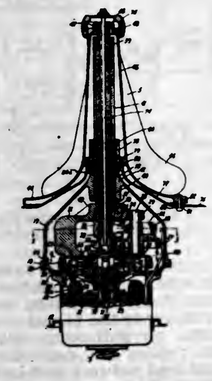
1. In mechanism for use in a clothes washing machine or the like comprising a casing, a gear cage in the casing, a tubular spin shaft connected to the cage, a motor, a clutch for connecting the motor to the cage, an agitator shaft in the tubular spin shaft movable axially relative thereto and gearing carried by the cage through which the motor actuates the agitator shaft, means for locking the gear cage from turning when said clutch is open comprising a collar on the spin shaft having a locking recess, a spring pressed locking pin carried by the casing in line with said recess, and means carried by the spin shaft actuated by movement of the agitator shaft axially with respect to said spin shaft for determining the position of the locking pin with respect to said recess.

2,497,686

GEAR AND CLUTCH MECHANISM FOR SPINNER TYPE CLOTHES WASHING MACHINES

James F. Young and Carl S. Dayton, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York

Application March 19, 1948, Serial No. 15,884
9 Claims. (Cl. 74—75)



1. For use in a clothes washing machine or the like of the type disclosed, a shaft and means for either oscillating or rotating the shaft comprising a casing into which the shaft projects, a gear cage rotatably mounted in the casing, an electric motor, gearing carried by the cage which connects the motor to said shaft for oscillating the shaft, means defining brake surfaces on said casing, sliding brake members on said gear cage, spring means biasing said brake members toward engagement with said brake surfaces, toggle lever means for sliding said brake members with respect to said brake surfaces against the action of said biasing spring means, clutch surfaces on said toggle lever means, a clutch collar connected with the motor shaft, and means for moving the clutch collar into engagement with said clutch surfaces for moving said toggle lever means.

2,497,687

RADIO AERIAL FOR USE ON VEHICLES

Walter Jonathan Pickett, Charles Molyneux Carington, and George William Shoobert, London, England, assignors to K. L. G. Sparking Plugs Limited, London, England, a British company

Application October 13, 1947, Serial No. 779,546
In Great Britain August 30, 1946
3 Claims. (Cl. 250—33)

1. In a radio aerial assemblage for a vehicle the combination of a two-part base whereof the first part is formed with a spigot engaging with the second part, a bolt extending through both said parts, a forked head on said bolt having two limbs extending out from said first part, a block mounted between said limbs, a friction washer between said block and one of said limbs, a spring on the other side of said block, means for compressing said spring to provide frictional resistance against rotation of said block between the limbs of said fork, and a telescopic aerial rod secured on said block and rotatable therewith



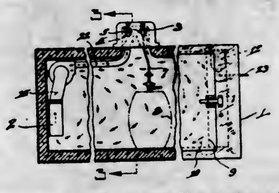
between an erect receiving position and a stored position.

2,497,688

BEVERAGE SERVING-BAR UNIT

Alois M. Pohl and Paul H. Herber, Reading, Pa., assignors to Excelsior Machine Company, Reading, Pa.

Application June 19, 1946, Serial No. 677,867
7 Claims. (Cl. 225—40)



1. A beverage cooling and dispensing structure, comprising a thermally insulated serving-bar cabinet adapted to accommodate therein a plurality of separate beverage containers, a thermally insulated chamber centrally mounted on top of said cabinet in intercommunicating relation therewith and having a front multiple dispensing faucet receiving wall; a plurality of separate dispensing faucets mounted exteriorly against said front chamber wall so that the connecting ends of said faucets project into said chamber; individual conduits arranged to convey the beverage from the containers interiorly of the cabinet and chamber to the faucets; and a unit disposed within the cabinet for refrigerating and circulating the air within said cabinet and chamber including a unit housing arranged to extend substantially from the upper to the lower wall of the cabinet and provided with an air inlet at its bottom and an air outlet at its top, an air-refrigerating coil and an air impeller within said housing, and an air duct arranged to effect flow of refrigerated air directly from the unit housing into said chamber.

2,497,689

PROCESS OF MODIFYING FATTY OILS

Sol B. Radlove, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

No Drawing. Application January 7, 1947, Serial No. 720,683
4 Claims. (Cl. 260—405.6)

1. A process for modifying a fatty oil contain-

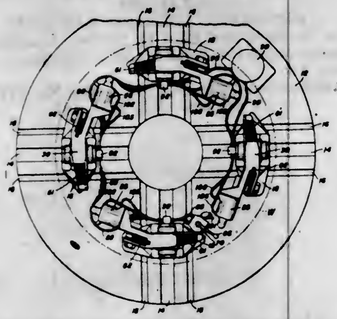
ing di-unsaturated non-conjugated fat acid radicals and at least twenty per cent of fat acids having three non-conjugated double bonds in the fat acid radicals, which consists in the steps of selectively hydrogenating in the presence of a catalyst composed of nickel on activated carbon a major portion of all but two of the double bonds occurring in the fat acid radicals having three double bonds, and isomerizing in the presence of the same catalyst to a conjugated system of double bonds at least fifty per cent of the two remaining double bonds in the said selectively hydrogenated fat acid radicals and in the di-unsaturated fat acid radicals originally present in the oil, to produce an oil of improved properties for protective coatings.

2,497,690

WORK DRIVING MECHANISM FOR LATHES

Roland R. Roberts, Irondequoit, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware

Application July 1, 1948, Serial No. 36,505
4 Claims. (Cl. 82—40)



1. A work-driving mechanism for a lathe comprising a plurality of supports adapted to be secured to the face-plate of a lathe in angularly spaced relation about the axis of the face-plate, a driver mounted on each support, each driver comprising a lever which is pivoted between its ends to the support to swing about an axis perpendicular to the axis of the face-plate, and a pair of blocks which are mounted in opposite ends of the lever, respectively, for rocking movement about axes extending in the general direction of the axis of the lever, each of said blocks having a surface adapted to engage a face of the work, the engaging surface of one block being eccentric of its rocking axis, and means for simultaneously rocking all said eccentric blocks in corresponding directions comprising a cylinder secured to each lever, a piston reciprocable therein, means connecting each piston to the associated eccentric block to move said block on movement of the piston and means for applying fluid pressure simultaneously to corresponding sides of the several pistons.

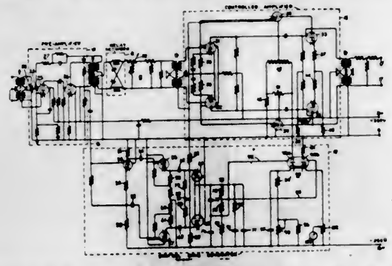
2,497,691

LIMITING AMPLIFIER SYSTEM

Ewald E. Schroeder, Berwyn, Ill., assignor to General Electric Company, a corporation of New York

Application January 16, 1948, Serial No. 2,592
2 Claims. (Cl. 179—171)

1. A limiting amplifier system comprising, in combination, an audio frequency signal input circuit, a signal delay network, a multi-stage audio amplifier having an input coupled to said circuit through said network, a degenerative feedback path between two stages of said amplifier, said path including the anode-to-cathode impedance of a grid-controlled discharge device, a control bias generator having an input supplied directly from said input circuit and comprising a low-impedance signal rectifying device and a capacitance-resistance load network, means for biasing said rectifying device to non-conductive condition until applied audio frequency signals exceed a predetermined level, said load network being charged through said rectifying device to



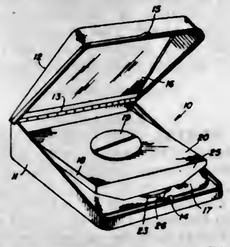
provide a bias voltage in response to audio signals exceeding said level, said network having a short time constant on charge and a long time constant on discharge relative to the period of a low audio frequency signal, an anti-pump network comprising a series resistor and capacitor connected in shunt to said load network and having a time constant substantially longer than said discharge time constant, and means for reducing the impedance of said grid-controlled discharge device in response to said bias voltage, said delay network providing a time delay greater than the time required for said control bias generator to cause said impedance to decrease.

2,497,692

POWDER COMPACT

Rose Schulfer, Stevens Point, Wis.

Application October 15, 1947, Serial No. 779,876
1 Claim. (Cl. 132—82)



In a powder compact, the combination of a substantially rectangular container having an open front and an open top, a unitary cover for said open front and top hinged to the upper edge of the back wall of the container, a powder receptacle secured to said back wall and disposed in the container in spaced relation to the bottom of the latter, the front wall of said receptacle being spaced rearwardly from the front portion of said cover, the bottom of said receptacle having a dispensing opening, a closure member for said opening provided under the bottom of the

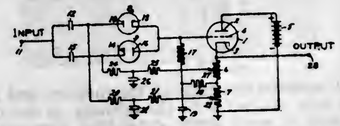
receptacle, and a finger piece provided on said closure member and extending forwardly in said container beyond the front wall of the receptacle, whereby the closure member may be conveniently actuated upon opening of said cover.

2,497,693

BILATERAL CLIPPER CIRCUIT

Richard F. Shea, Fairfield, Conn., assignor to General Electric Company, a corporation of New York

Application February 16, 1949, Serial No. 76,728
4 Claims. (Cl. 178—44)



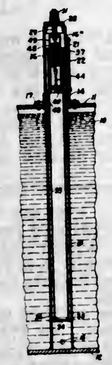
1. A filter circuit comprising an input terminal adapted to receive electrical pulses of varying magnitude, an electronic discharge device having a cathode, an anode and a control electrode, a source of operating potential for said device, a resistance serially connected between said cathode and said source, a pair of unilateral conducting devices having one pair of unlike poles connected to said control electrode and another pair of unlike poles connected through individual capacitances to said input terminal, and impedances, capable of carrying unidirectional current, connecting, respectively, said control electrode to an intermediate point in said resistance and said other pair of unlike poles to points in said resistance on either side of said intermediate point.

2,497,694

TANK GAUGE

Samuel Shakin, Newark, N. J., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York

Application September 14, 1948, Serial No. 49,235
10 Claims. (Cl. 73—322)



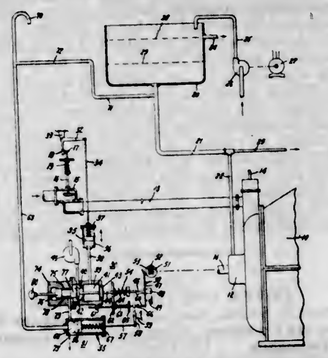
4. In a gauge for observing the level of a liquid in a tank, an indicator head above the tank having a relatively short slot, a relatively long pipe forming an extension from the head to the bottom of the tank having means of communication with the tank at its lower end, a weighted member within the pipe and extending into the head, a spring adjustably secured to the head suspending and counterbalancing the weighted member, whereby variations in the level of the liquid will be observable through the slot by the minimized, but proportionate, travel of the top of the member, the weighted member comprising a tube closed at its bottom, and a fluid tight partition below its top forming a cup from its top to the partition, the cup having drain-ports immediately above the partition.

2,497,695

EMERGENCY SHUTOFF DEVICE

Raymond Sheppard, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application January 22, 1944, Serial No. 519,305
7 Claims. (Cl. 137—139)

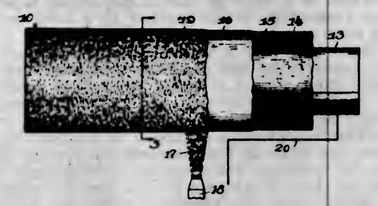


1. In a liquid distribution system, the combination of a tank for containing liquid, a pressure responsive device located at a level below the tank and including a pressure chamber with a bleed port and a control member subject to the pressure in the chamber and arranged to move from a normal to an emergency position in accordance with changes in said pressure, means biasing the control member to emergency position, a standpipe arranged to conduct liquid from the tank to the chamber by gravity at a rate to maintain the chamber continuously full and to exert a pressure on the control member to retain it in the normal position as long as the liquid in the tank is above a predetermined level, the bleed port being arranged to empty the standpipe and pressure chamber when the supply of liquid from the tank to the standpipe ceases, and means for automatically refilling the standpipe and pressure chamber with liquid upon occurrence of a certain critical drop of the liquid level in the standpipe below said predetermined level, said refilling means comprising a source of liquid under pressure, a conduit connected between said source and chamber, a valve in the conduit, means biasing the valve toward open position, latching means normally holding the valve in closed position, and means associated with the control member for unlatching the latching means in response to a predetermined pressure change in the chamber corresponding to said critical drop in the level of liquid in the standpipe.

6. In combination with a liquid reservoir, a control device including an operating member, a first fluid pressure motor having a normal and an emergency position and arranged to actuate the operating member, means biasing the first motor

toward the emergency position, means for supplying liquid under pressure, a control member having a normal and an emergency position, a distributing valve associated with the control member constructed and arranged so that liquid under pressure will flow from the supply means to the first motor to maintain said first motor in its normal position when the control member is in normal position, valve means associated with the control member constructed and arranged so that the liquid under pressure will exhaust from said first motor when the control member is in emergency position, means biasing the control member to emergency position and retaining means for holding it in normal position, a second fluid pressure motor having a normal position and an emergency position and arranged to release the retaining means when moved to emergency position, means biasing the second motor to emergency position, conduit means communicating to the second motor a variable pressure which is sufficient to maintain the second motor in normal position against said biasing means when the liquid in the reservoir is above a predetermined minimum level, the distributing valve associated with the control member being also arranged to supply liquid under pressure to the second motor to restore it to normal position when the control member is in emergency position, and means for restoring the control member to normal position to cut off the flow of liquid to the second motor and supply liquid under pressure to the first motor to restore it to normal position.

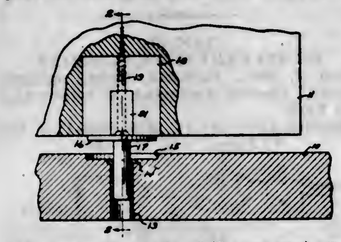
2,497,696
COVER FOR IRONER ROLLS
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application July 10, 1947, Serial No. 759,965
6 Claims. (Cl. 38—65)



1. A roll for a rotary type ironing machine comprising a rigid tubular member, a resilient sleeve of substantial thickness encompassing the tubular member and giving it uniform compressibility throughout, and a covering for the sleeve composed of individual asbestos fibers adhesively applied to the sleeve and projecting substantially perpendicularly therefrom to provide an exposed, scorch-proof nap.

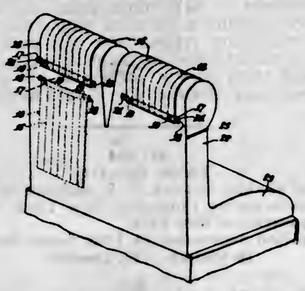
2,497,697
DOORSTOP
Merrill H. Smith, Athens, Tenn.
Application September 8, 1947, Serial No. 772,687
2 Claims. (Cl. 292—70)

1. A door stop comprising a sleeve adapted to be fitted into a floor, an armature vertically movable in the sleeve and adapted to lie flush with the floor surface when lowered, a magnet adapted to be fitted into a door at its bottom edge, said magnet having its end faces lying flush with the bottom of the door and adapted to elevate the armature from the floor when the door is extended thereover, said armature having a large diameter top portion adapted to fit a recess in the floor as the armature is lowered, said magnet being of U-shape and having a central opening adapted to receive a single wood screw, a piece



fitted between the ends of the magnet and having a hole aligned with the opening in the magnet, and a wood screw extending through the piece and the magnet and adapted to be extended into the door to retain the magnet therein.

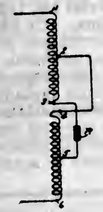
2,497,698
HEADREST PROTECTOR
Albert Struble, Llanerch, Upper Darby, and Merritt L. Moffitt, Jr., Havertown, Pa.
Application April 8, 1948, Serial No. 19,794
3 Claims. (Cl. 155—176)



1. As a new article of manufacture, a head rest cover adapted to be applied to a chair and comprising a cover sheet of pliable fabric material, and a thin resilient reinforcing hanger capable of deflection in one plane and pasted to and along one edge of said cover sheet, said reinforcing hanger having formations for engaging supporting devices on the back of the chair.

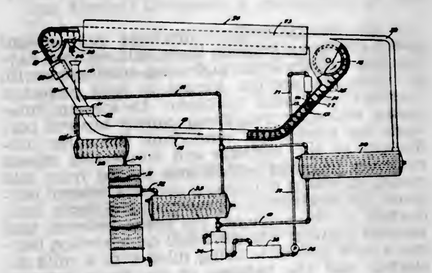
2,497,699
PROTECTIVE CIRCUIT FOR ELECTRICAL WINDINGS
James R. Sutherland, New Lebanon, N. Y., assignor to General Electric Company, a corporation of New York
Application June 30, 1949, Serial No. 102,211
2 Claims. (Cl. 175—294)

1. In a stationary electrical induction device having a first winding section and a second winding section, said first winding section having a terminal physically adjacent a terminal of said second winding section, said two winding sections being electrically connected by a conductor connected from an intermediate point of said first winding section to said terminal of said second winding section, a protective arrangement to prevent the establishment of an excessive difference of potential between said physically adjacent terminals, comprising a resistance having a negative resistance-voltage characteristic connected between said terminal of said first winding section and an intermediate point of said second winding section so positioned that the difference



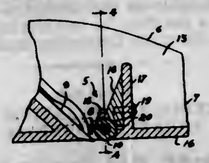
of potential between said intermediate point of said first section and said terminal of said first section is normally substantially equal to the potential difference between said terminal of said second section and said intermediate point of said second section.

2,497,700
COUNTERCURRENT EXTRACTION APPARATUS
Orland R. Sweeney and Lionel K. Arnold, Ames, Iowa, assignors to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
Application July 7, 1944, Serial No. 543,942
5 Claims. (Cl. 23—270)



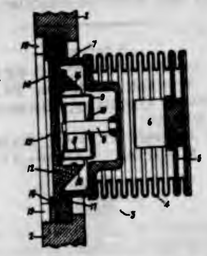
1. Apparatus for the solvent extraction of an extractable material, comprising a casing providing a chamber in the general shape of a loop, a portion of said loop providing an extraction chamber and having an inlet for the introduction of liquid solvent thereinto and an outlet for withdrawing the oil-bearing solvent therefrom, said inlet and said outlet being spaced apart and so arranged that solvent flows from said inlet through said extraction chamber to said outlet, a drier enclosing another portion of said chamber loop which is above said solvent level, and an endless conveyor extending through said looped chamber to carry said extractable material through the portion thereof containing solvent and thence through the portion thereof above the solvent level and enclosed by said drier, said chamber being provided with an outlet beyond said drier to release extractable material passing through said drier.

2,497,701
SMOOTHING PLANE
Sam Telasky, Bloomville, N. Y., assignor of fifty per cent to Clifford H. Telasky, Bloomville, N. Y.
Application August 15, 1946, Serial No. 690,686
1 Claim. (Cl. 145—5)



In a smoothing plane including a body portion comprising a flat base and perpendicular side walls, said base having a transverse chip receiving opening, a forwardly and downwardly inclined blade secured to said body portion and having its cutting edge positioned in said opening and a perpendicular wall rising from said base disposed forwardly of said opening; a chip guiding device mounted on said body portion and comprising a transversely extending pin detachably secured to the sides of said body portion, a roller mounted on said pin and received in said opening, the surface of the roller being substantially flush with the outer surface of the base, an elongated substantially triangular block detachably secured to said perpendicular wall, said block having a concaved recess provided in one face thereof, the wall of said recess embracing a part of the cylindrical surface of said roller, said recess extending throughout the length of said roller.

2,497,702
PRESSURE RESPONSIVE INDICATING DEVICE
Stephen Terpak, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 17, 1948, Serial No. 60,453
2 Claims. (Cl. 177—311)



1. An indicating device including, a pressure responsive bellows having one fixed end secured to a non-magnetic barrier and one movable end, said movable end of said bellows having a permanent magnet affixed thereto, a shaft secured to said barrier, said shaft lying on the longitudinal axis of and exterior to said bellows, said shaft having a first indicating member in the form of a cup fixedly mounted and a second indicating member slidably mounted thereon, said second indicating member being in the form of a larger cup concentric with and covering said first indicating member, said second indicating member being constructed of a magnetic material, a spring secured at one end to said shaft and

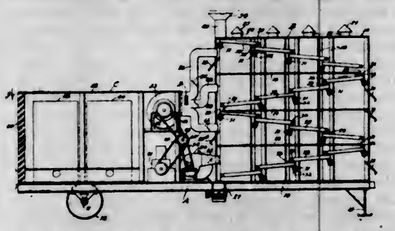
at the other end to said second indicating member, said spring acting in opposition to the attractive forces between said magnet and said second indicating member, and means for rendering only the outer surface of said second indicating member externally visible when it covers said first indicating member, said second indicating member being retractable by the attractive force of said magnet to a position for uncovering and rendering visible the first indicating member.

2,497,703

GRAIN DRYING AND TREATING APPARATUS OF THE TREATED MATERIAL VIBRATING TYPE

Floyd B. Todd, Merriam, Kans.

Application July 9, 1945, Serial No. 603,773
4 Claims. (Cl. 34—164)



1. In grain drying and treating apparatus, a casing providing a plurality of longitudinal chambers in superposed relation and communicating with each other to provide a continuous path for the flow of grain, a plurality of sieves in each of said longitudinal chambers arranged with the lower end of one sieve overlapping the upper end of another so as to provide a continuous path of grain from one end of the chamber to the other, means for shaking each of the sieves, means for introducing separately a drying medium into certain of said longitudinal chambers, and damper means for controlling the proportionate amount of drying medium delivered into each of the separate chambers.

2,497,704

SELF-CONTAINED SEAL

Charles F. Voytech, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application January 17, 1945, Serial No. 573,255
4 Claims. (Cl. 286—11)



1. A sealing apparatus for effecting a seal between two relatively rotatable elements, said apparatus comprising an annular container having a side opening, a sealing washer having a sealing surface thereon, said washer being positioned within the container so that the sealing surface is outside the container, means for effecting a seal between the washer and container, and means on the container for releasably holding the washer in a retracted position, such that the sealing surface is protected by the container, said holding means, when said washer is released, serving to prevent relative rotation between the washer and container but permitting relative axial movement therebetween.

2,497,705

COPOLYMERIZATION PRODUCT OF N-VINYL LACTAMS AND POLYMERIZABLE ESTERS, AND PROCESS FOR MAKING SAME

James H. Wernts, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 16, 1946, Serial No. 703,466
5 Claims. (Cl. 260—85.7)

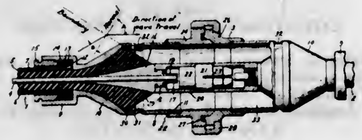
1. The copolymerization product of a N-vinyl lactam and a polymerizable ester of a monocarboxylic acid in the proportion of from 5 to 30 moles of the N-vinyl lactam for each mole of said ester, said ester containing 8 to 30 carbon atoms, and being selected from the group consisting of vinyl esters of aliphatic monocarboxylic acids and alkyl esters of acrylic and methacrylic acids.

2,497,706

ELECTRIC CABLE AND CABLE JOINT

Lynn Wetherill, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application February 21, 1945, Serial No. 578,965
4 Claims. (Cl. 178—44)



1. An electric cable comprising two sections and a connector between them, said sections having respectively inner and outer conductors with at least one section having a solid dielectric therebetween, said connector having an outer casing including non-linear convex tapered portions for electrically connecting the outer conductors of the sections and connecting means centrally disposed within and spaced from said casing including non-linear concave tapered portions for electrically connecting the inner conductors of the sections, the space between said tapered portions adjacent said cable section having a solid dielectric being filled with a solid dielectric and the balance of the space between said casing and said centrally disposed connecting means being filled with a dielectric other than that of said cable section, said solid dielectric between said tapered portions terminating in a boundary surface located at an angle to the direction of electric wave propagation such that the characteristic surge impedance of the connector is substantially the same on each side of the boundary and such that reflection of waves at the boundary is substantially precluded, said boundary angle being such that

$$\cot B = \frac{K_1}{K_2}$$

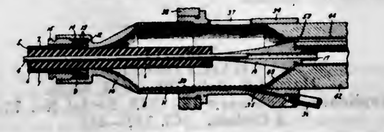
where B is the angle of incidence of an electric wave, K_1 is the dielectric constant on the side of incidence and K_2 the dielectric constant on the side of refraction.

2,497,707

METHOD FOR MAKING HIGH-FREQUENCY CABLE JOINTS

Lynn Wetherill, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Original application February 21, 1945, Serial No. 578,965. Divided and this application May 15, 1946, Serial No. 669,857
2 Claims. (Cl. 18—59)



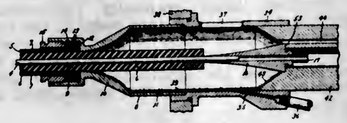
2. The method of forming a terminal on a cable having concentric conductors separated by a solid dielectric which comprises removing the outer conductor from an end portion of said cable, securing a terminal casing to the outer conductor, placing a contact member on the inner conductor, applying heat to the interior of said casing to soften the dielectric on said end portion, moving said contact member along the inner conductor to strip the softened dielectric therefrom and simultaneously molding the stripped insulation in said casing, cooling the insulation as it is being molded and ejecting excess stripped insulation continuously from said casing until termination of said molding operation.

2,497,708

APPARATUS FOR MAKING HIGH-FREQUENCY CABLE JOINTS

Lynn Wetherill, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application May 15, 1946, Serial No. 669,857, which is a division of application Serial No. 578,965, February 21, 1945. Divided and this application September 29, 1947, Serial No. 776,822
3 Claims. (Cl. 18—36)



2. A tool for forming cable connections comprising a cylinder having an inlet for heating medium and an exhaust, a plunger with a conical end face slidably extending into one end of the cylinder, means for actuating the plunger to force it into the cylinder, and means for supporting a cable section on the other end of the cylinder, said plunger having a central recess in its conical surface for supporting a metallic cone and a vent in its wall through which molded material may be extruded.

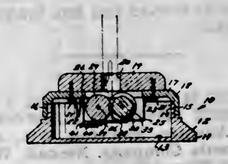
2,497,709

PEN POINT CLEANER

Adolph B. Wikstrom, Los Angeles, Calif., assignor of one-half to Meyer Egilson, Los Angeles, Calif.

Application September 16, 1947, Serial No. 774,324
2 Claims. (Cl. 120—108)

1. A device of the character described, comprising an ornamental base, an ornamental cover secured to said base, an opening in said cover to receive a pen point, a rectangular shaped frame mounted on the cover below the opening, said frame having alined openings in the sides thereof and elongated alined slots in the sides thereof spaced from each other in parallel relation to each other, a shaft journalled in the openings, and a shaft journalled in the slots rotating absorbent means mounted on the shafts in the frame on the cover below the opening to clean a pen point when the pen point is inserted into the opening to engage the absorbent means and tensioning means connected to the shaft in the slots for urging the absorbent means on the shaft into engagement with the absorbent means on the shaft in the openings.



2,497,710

GAFF GUARD FOR LINEMEN'S CLIMBERS

Clifford Nelson Wollensack, New Haven, Conn., assignor to American Telephone and Telegraph Company, a corporation of New York

Application October 15, 1947, Serial No. 780,035
6 Claims. (Cl. 227—27)



1. A protector for gaffs on linemen's climbing irons comprising a conical coiled spring member adapted to completely enclose the point of the gaff and means integral therewith for securing said protector to said climbing iron in position over said gaff.

2,497,711

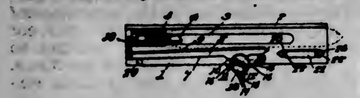
SHUTTLE CHECK FOR LOOMS

Arthur R. Abbott, Shelton, Michael F. Kieley, Derby, and Frederick T. Simon, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y., a corporation of New York

Application April 13, 1948, Serial No. 20,616
11 Claims. (Cl. 139—186)

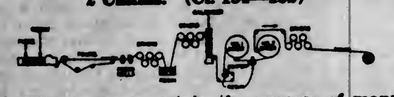
1. In a shuttle box for looms, means for arresting the incoming shuttle, said means com-

prising a pivoted and slidable element adapted to be moved bodily and also swung by contact of the



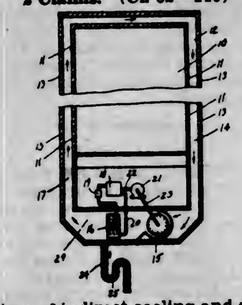
shuttle laterally toward and into braking contact with the shuttle.

2,497,712
PROCESS OF MANUFACTURING A FIBROUS SHEET COVERED PLYWOOD
Richard J. Auchter, Appleton, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application June 5, 1944, Serial No. 538,767
2 Claims. (Cl. 154—122)



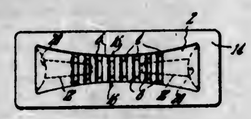
1. The improvement in the process of manufacturing a fibrous sheet covered plywood, which comprises the steps of first distributing throughout the body of a paper web having a basis weight within the range of from about 60 to 200 pounds per 3000 square feet condensable resin in an amount sufficient to produce a resin content of from 20 to 50 per cent of the weight of the sheet when fully dried, drying the resin-containing web to a moisture content of from about 10 to 20 per cent, then calendering the dried, resin-containing web to substantially reduce the thickness thereof, applying to both faces of the web a surface coating of condensable resin, drying the coated web to eliminate volatile material from said web and said coating, then placing a layer of at least one ply of said web over one face of a veneer which is to become an outer ply of the finished plywood panel and subjecting said web and veneer to sufficient heat and pressure to condense said resin, thereby to provide said veneer with an outer, protective, cover sheet of composite resin and fiber, the outer face of said cover sheet being composed substantially wholly of resin, and the inner face of said cover sheet being bonded to the face of the adjacent veneer by resin obtained from said web.

2,497,713
INDIRECT COOLING SYSTEM FOR BUILDINGS
Roger K. Becker, Evansville, Ind.
Application May 17, 1946, Serial No. 670,615
2 Claims. (Cl. 62—140)



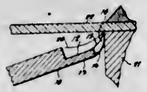
1. A system of indirect cooling and dehumidifying of a room and the like having a defining wall with one side exposed to the room and an opposite side, comprising directly subjecting the opposite side to a cooling and dehumidifying air stream without substantial transfer through the wall of air to and from the room and from and to the air stream respectively, said wall having physical charactertistics permitting substantially water vapor transfer only from the room to the air stream and transference of heat from the room to the air stream.

2,497,714
HAIR CURLER
Harold R. Bein, Westfield, Mass.
Application February 18, 1949, Serial No. 77,241
3 Claims. (Cl. 132—42)



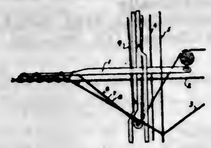
1. A device for receiving windings of hair for waving or curling the same comprising in combination, an elongated cylindrical body of a certain length having alternate annular grooves and ridges intermediate opposite ends thereof and relatively smooth end surface portions outside said grooves and ridges and at opposite ends of said body, the outer peripheral faces of said ridges and end surface portions curving outwardly in opposite directions from intermediate opposite ends of said body to said opposite ends whereby said body is of relatively larger diameter at its opposite ends than intermediate said ends, a retainer of resilient stretchable material having an elongated opening therethrough which is provided with longitiudinal side edges complemental to the contour of the sides of the body and opposite end edges for engaging opposite ends of the body, the length of said opening being slightly less than said certain length of the body, said retainer being manually longitudinally stretchable for receiving said body in the opening thereof whereby when released the end edges of said opening yieldingly embrace opposite ends of the body and the longitudinal side edges of said opening tend to lie against longitudinal sides of the body.

2,497,715
PAINTING SHIELD
Ernst Belschner, Brooklyn, N. Y.
Application July 25, 1946, Serial No. 686,202
4 Claims. (Cl. 91—65)



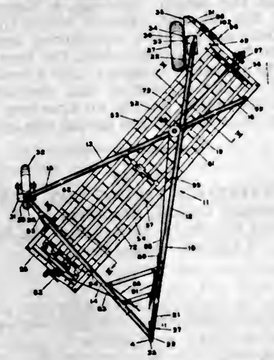
1. A painting shield for painting window frames or the like comprising a generally flat body portion provided with a straight edge along one side thereof, and means for spacing such edge from the edge of the window frame adjacent the glass, such means comprising a plurality of projections extending outwardly from such edge.

2,497,716
LOOP PILE CARPET FABRIC
Elsie C. Bloch and Godfrey Bloch, New York, N. Y.
Application September 8, 1949, Serial No. 114,672
4 Claims. (Cl. 28—74)



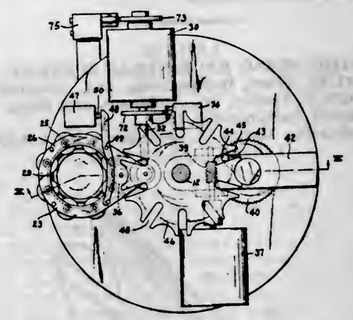
1. A woven looped pile carpet fabric consisting of a warp and filling forming a ground, and loops formed from hard twisted pile yarns 30 to 60 yards per ounce, of loop height when extended $\frac{1}{8}$ to $\frac{1}{4}$ inch from the ground fabric to under the pile thread, and a backing material from which the pile loops above the ground are substantially free, which constitutes an adhesive for the loops and fibers of the loops, thereby producing a carpet fabric characterized by freedom from visual imperfections usually found in carpets, free from pile crushing, capable of substantially invisible joining and true to color regardless of the direction from which it is viewed, with the fibers and loops held in at close intervals for high resistance to wear.

2,497,717
SIDE DELIVERY RAKE
James L. Bowman, Eau Claire, Mich.
Application March 4, 1948, Serial No. 12,995
7 Claims. (Cl. 56—377)



1. In a wheeled supporting frame for a side delivery agricultural rake having a rake reel and a rake basket suspended from said supporting frame, the combination comprising: three support beams secured to each other in a trinagular arrangement providing a first corner, a second corner and a third corner, the two beams forming said third corner extending beyond their point of mutual intersection; a pivot wheel adjacent to and supporting said second corner; a hitching means provided at said first corner for securing said wheeled frame to traction applying means; one end of the said rake basket being secured to and suspended from the support beam opposite said third corner and the other end of said rake basket being secured to and suspended from the extended ends of said two beams which extend beyond said third corner; a driving wheel secured to and supporting said extended end of that support beam opposite the said second corner and in the trail of said rake reel and said rake basket, the rotational plane of said driving wheel intersecting the longitudinal axis of said rake reel at an angle of approximately forty five degrees; a chain drive whereby said driving wheel drivingly engages said rake reel at said other end whereby to drive it at its end of maximum load; and a reel position control mechanism controlling the spacing of said reel from the ground; said driving wheel being sufficiently inboard of the said other end of said rake basket to place approximately four fifths of the total weight of said rake on said driving wheel and said wheels being so positioned that their respective planes of rotation pass on each side of said first corner.

2,497,718
DISPENSING APPARATUS
Robert W. Earley, Burlington, Vt., and Evert S. Wegman, East Longmeadow, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1945, Serial No. 572,124
2 Claims. (Cl. 312—44)



1. A rotatable turret for holding a plurality of columns of articles to be individually dispensed, means common to all of said columns for individually dispensing the articles comprised in the same, means including an electric motor for moving the columns successively to the common dispensing means, a switch responsive to the disposition of articles adjacent and in operative relation with the common dispensing means for controlling said motor when the dispensing column of articles is substantially exhausted, said switch being normally closed in the absence of articles at the dispensing means, and means including a switch responsive to movement of the turret for breaking the circuit to said motor when the last column of articles to be dispensed has been substantially exhausted, said last-mentioned means including a switch-actuating member rotatable with the turret and adjustable to indicate the last column of articles to be dispensed.

2,497,719
HAIR EXTRACTOR MECHANISM
Julius Fichter, South Euclid, Ohio, assignor to Maurice M. Cohen, Cleveland, Ohio
Application April 22, 1947, Serial No. 743,156
6 Claims. (Cl. 128—355)

1. A hair extractor comprising a handle, hair gripping elements carried by the handle and extending from one end thereof, one of said ele-

ments consisting of a rod having a laterally projecting face at the end thereof and the other of said elements consisting of a sleeve surrounding said one element, said elements being rotatable about a common longitudinal axis; means for reciprocating one of said elements along said axis relative to the other element during rotation of said elements whereby hair is gripped and released



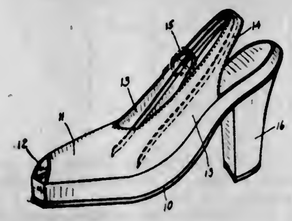
from between the end of said sleeve and said face; and manually operable means for moving said sleeve longitudinally relative to the other member during rotation of said elements for maintaining the end of the sleeve and said face separated and inoperative to grip hair, said manual movement of said sleeve being greater in degree than the movement during reciprocation by the first mentioned means.

2,497,720

SHOE SLING BACK STRAP SUPPORT

Robert W. Floro, Indianapolis, Ind., assignor to Henry Y. Fowler, Sr., Anderson, and Edgar W. Bidwell, Indianapolis, Ind.

Application March 23, 1946, Serial No. 656,595
1 Claim. (Cl. 12—128)



A shoe heel strap support comprised of a single U-shaped member having arms of a length to dispose the U-bend in strap engagement and to terminate within the shoe near the ball portion thereof, the U-bend portion normally disposing the arms in diverging relation, the arms having inherent bowability in a plane common to the arms and U-bend portion, and barb terminations on the ends of the arms and disposed similarly and angularly of the common plane.

2,497,721

CANNED LIQUID COFFEE AND METHOD OF MAKING SAME

John Harry Foulkes, Terre Haute, Ind., assignor to Finer Foods Packing Corp., Terre Haute, Ind., a corporation

No Drawing. Application August 12, 1948, Serial No. 43,957
3 Claims. (Cl. 99—152)

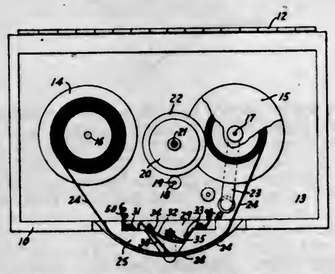
1. A coffee brew capable of bottling and retaining its freshness, comprising a liquid coffee brew containing minor amounts of propylene glycol and soluble sodium phosphite.

2,497,722

AUTOMATIC TELEGRAPH TRANSMITTER

Laurance E. Gardiner, Stratford, N. J.; Arthur N. Gardiner, administrator of said Laurance E. Gardiner, deceased, assignor to Arthur N. Gardiner, individually

Application September 5, 1945, Serial No. 614,487
10 Claims. (Cl. 200—46)



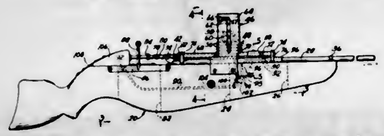
10. In an automatic telegraph transmitter of the character described having contacts controlled by a movable perforated tape, the combination of a housing adapted to enclose the operating parts and having a protruding portion at the front over which the tape visibly passes, said housing having a movable lid portion, a contact member carried by said lid and having a portion positioned adjacent the tape when the lid is closed, a brush member adapted to have its free end pass through the perforations in the tape to contact the aforesaid contact member, a spring having an insulated portion bearing against the brush member, a tapered pin carried by the lid and adapted when the lid is closed to bear against the said spring and cause the same to be stressed to impel the free end of the brush to operative position, and a cover plate adapted to enclose certain of said contact members, said cover plate having an aperture for the passage therethrough of the spring engaging pin.

2,497,723

CONTINUOUS FIRING TOY GUN

Herman Gilgoff, Brooklyn, N. Y.

Application March 21, 1947, Serial No. 736,254
3 Claims. (Cl. 124—27)



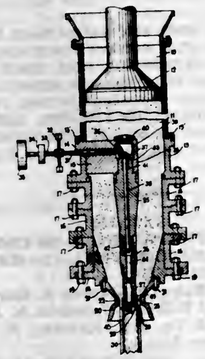
1. A toy gun comprising: a stock, a gun barrel mounted on said stock, a firing spring arranged within said gun barrel, means for fixing the rear end of said firing spring relative to said gun barrel, said gun barrel having a longitudinal slot in front of the front end of said firing spring, a slider reciprocably mounted on said stock, a manually operable crank rotatably mounted on said stock, a reciprocable connecting rod swingably connected at one of its end portions with said crank, said slider having an opening slidably receiving the other end portion of said connecting rod, the free end of said connecting rod at said other end portion forming a reciprocable loading finger extending through said longitudinal slot into the interior of said gun barrel during its stroke toward the rear end of the gun barrel whereby it urges a bullet placed into the gun barrel against said firing spring compressing and loading the latter, releasing means associated with said slidable loading finger for automatically withdrawing same from the interior of said gun barrel when said slider and said loading finger are substantially in their rear position relative to said barrel whereby the loading finger is disengaged from the bullet and the firing spring is released for firing the bullet, and means associated with said slidable loading finger for automatically returning same into the interior of the gun barrel when said slider and said loading finger are substantially in their forward position relative to said barrel.

2,497,724

CLAY PIPE CUTTER

William D. Gilson and Herbert B. Myers, Akron, Ohio, assignors to The Robinson Clay Products Company, Akron, Ohio, a corporation of Maine

Application August 30, 1946, Serial No. 693,958
5 Claims. (Cl. 25—30)



4. In a clay cutter of the character described, the combination of extruding and die means to form said clay into pipe, with a cutting unit arranged to sever said pipe in desired lengths, said unit comprising a rotatable shaft member, an inertia member mounted for rotation both on and with said shaft member, a cutting blade pivotally mounted on said shaft member, and means carried by said inertia member for first pivoting said blade into the path of travel of said pipe when said shaft member is rotated relative of said inertia member, and for then pivoting said blade out of the path of travel of said pipe when said inertia member is rotated relatively of said shaft member, said means comprising a pair of spaced pins arranged to contact opposite sides of said blade, and spring means engaging at least one of said pins to assist said pins in pivoting said blade out of the path of travel of said pipe.

2,497,725

RECOVERY OF MANGANESE BY ELECTROLYSIS

Frank S. Griffith, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 26, 1947, Serial No. 744,153
4 Claims. (Cl. 204—105)

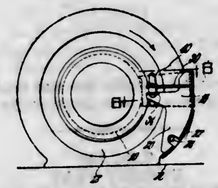
1. In the recovery of metallic manganese by electrodeposition in a diaphragm cell from an electrolyte consisting essentially of a solution of manganese and ammonium sulfates, the improvement which comprises including in the catholyte from 0.1 to 1 gram per liter of an organic smoothing agent of the group of organic acids consisting of adipic, aspartic, azelaic, glutamic, glutaric, maleic, malonic, phthalic, and succinic acids.

2,497,726

WHEEL JACKING APPARATUS

Gustaf Gustafson, Groton, Conn.

Application December 13, 1947, Serial No. 791,622
3 Claims. (Cl. 254—94)



1. Jack apparatus adapted to be secured to a flat tire on a wheel of a vehicle and engage the brake drum thereof for elevating the tire comprising in combination, separate jack and bracket members, said jack member provided with a web portion for engaging an inner side of a tire and having an outer base for overlying the tread of a tire and resting on a roadway and an upper table portion for engaging a brake drum, said bracket having a web portion for overlying an outer side of a tire and provided with a foot portion disposed transversely thereof for superposing on the base of the jack member, engageable means on said base and foot for releasably securing the jack member and bracket together, clamp means movable on said bracket for pressing against the outer side of a tire whereby said bracket and jack member engage opposite sides of and are secured to said tire, and a longitudinal shoe pivoted to said bracket for overlying the tread of said tire adjacent and downwardly of said secured together base and foot which is curved longitudinally similarly to the circumferential curvature of a tire tread, all adapted and arranged whereby with the bracket and jack members secured together and to a tire the tire may be rolled on the roadway so that the shoe engages and rolls thereon so that the base of the jack member engages and rests on said roadway and elevates said tire.

2,497,727

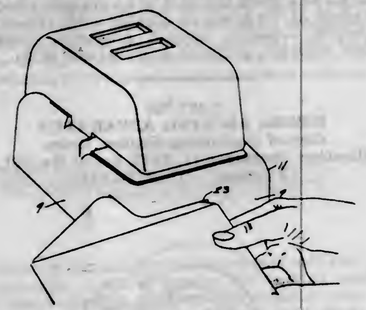
MOISTENING DEVICE FOR ENVELOPE FLAPS

Walter J. Hanson, Port Chester, N. Y., and Arthur D. Linden, Stamford, Conn., assignors to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware

Application April 18, 1946, Serial No. 663,182
5 Claims. (Cl. 91—43)

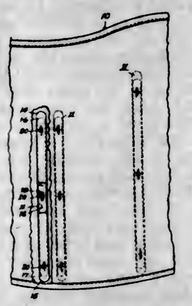
1. The combination with a postage printing machine casing the front and one side wall of which forms one corner thereof; of a moistening member having a moistening surface mounted in a concealed position within the said corner of the casing, and said casing having a slot through said corner in substantial alignment with the moistening surface of the moistening member,

whereby the device is adapted for the moistening of the gummed surface of an envelope flap when



the flap is drawn through the slot and across the moistening surface of the moistening member.

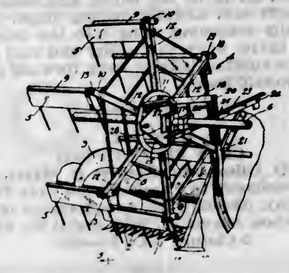
2,497,728
CORSET STAY
Rosalind Herz and Bert Herz, New York, N. Y.
Application June 13, 1947, Serial No. 754,352
3 Claims. (Cl. 2—263)



1. In a corset or foundation garment having pockets adapted to receive supporting stays, stays in said pockets, each of said stays having a plurality of elongated longitudinal slots, said slots being shorter than the distance between the ends of the stays and the ends of said pockets, and fastening means extending through said pockets and said slots to position said stays a spaced distance from the ends of said pockets and allowing said stays to move with respect to said pockets a distance equal to the length of said slots.

2,497,729
FEATHERING REEL CONSTRUCTION
Sherman C. Heth and William B. Tallman, Racine, Wis., assignors to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application May 9, 1946, Serial No. 668,403
3 Claims. (Cl. 56—226)

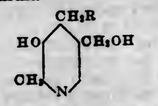
1. A rotatable feathering reel construction for harvesters comprising a rotatable reel shaft, bat-supporting means extending radially from said shaft and rotatable therewith, feathering reel bats mounted on and rotatable with respect to said bat-supporting means, crank arms movable with said reel bats, respectively, for controlling the feathering movement, a control rotor, means for mounting said control rotor for rotation about an axis eccentric with respect to the axis of said reel shaft, said control rotor having pivotal connections with said crank arms, respectively, said mounting means being rotatably adjustable about the said shaft to vary the feathering angle, means for securing said mounting means in different adjusted positions about the axis of said shaft comprising a link connected with said mounting means eccentrically with respect to said reel shaft



and extending from said connection away from the reel shaft, said control rotor comprising a circular ring surrounding said shaft and said mounting means comprising a support having a plurality of rollers mounted thereon for guiding said circular ring in its rotation, and common means for mounting one of said rollers on said mounting means and securing said link to said mounting means.

2,497,730
PROCESS OF PREPARING 2-METHYL-3-HYDROXY-4 AMINOMETHYL - 5 - HYDROXYMETHYLPYRIDINE
Dorothea Heyl, Rahway, Stanton A. Harris, Westfield, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 14, 1944, Serial No. 545,004
7 Claims. (Cl. 260—297)

1. The process which comprises heating with ammonia at superatmospheric pressure a compound of the formula



wherein R is selected from the group consisting of alkoxy, arylalkoxy and aryloxy to obtain 2-methyl - 3 - hydroxy-4-aminomethyl-5-hydroxymethylpyridine.

2,497,731
2-METHYL- 3,4 -DIHYDROXY- 5 -PHOSPHONOXYMETHYL-PYRIDINE AND METHOD FOR PREPARING SAME
Dorothea Heyl Hoffman, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 9, 1947, Serial No. 759,909
2 Claims. (Cl. 260—297)

1. 2-methyl-3,4 - dihydroxy - 5 - phosphonoxymethylpyridine.

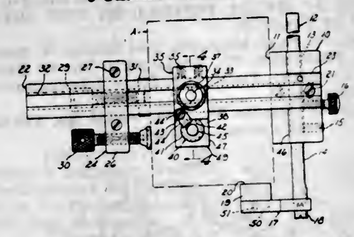
2. The process that comprises reacting the calcium salt of 2-methyl-3-hydroxy-4-formyl-5-phosphonoxmethylpyridine with an oxalic acid solution thereby precipitating calcium oxalate, removing the calcium oxalate from solution, reacting said solution with sodium hydroxide and hydrogen peroxide, reacting the resulting solution with acid and recovering the 2-methyl-3,4-dihydroxy-5 - phosphonoxymethylpyridine thus formed.

2,497,732
HYDROXYPYRIDINES AND PROCESSES OF PREPARING THE SAME
Dorothea Heyl Hoffman, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application July 9, 1947, Serial No. 759,909. Divided and this application November 2, 1948, Serial No. 58,023
7 Claims. (Cl. 260—297)

1. The process that comprises reacting 2-methyl-3-hydroxy-4-formyl -5 - hydroxymethylpyridine with hydrogen peroxide in an aqueous alkaline medium, recovering the 2-methyl-3,4-dihydroxy - 5 - hydroxymethylpyridine thus formed, reacting the latter compound with phosphorus oxyhalide and calcium carbonate in aqueous medium, recovering the calcium salt of 2-methyl - 3,4 - dihydroxy-5-phosphonoxymethylpyridine, reacting the latter compound with hydrochloric acid and recovering the 2-methyl-3,4-dihydroxy - 5 - phosphonoxymethylpyridine thus formed.

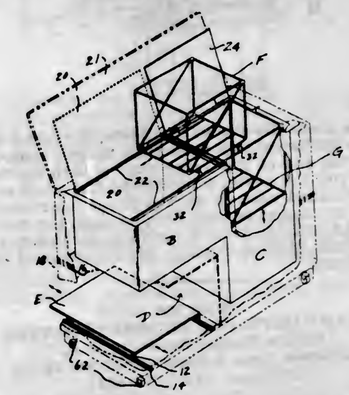
7. Calcium salt of 2-methyl-3,4-dihydroxy-5-phosphonoxymethylpyridine.

2,497,733
PRECISION LAYOUT GAUGE FOR DRILL GUIDES
Joseph N. Kebour, Hartford, Conn.
Application April 17, 1948, Serial No. 21,622
6 Claims. (Cl. 77—62)



6. A jig comprising a block having a flat side for engaging one side edge of a workpiece and having a rectangular slot in its upper surface at right angles to said side, an elongated bar of generally rectangular cross section fixed at one end in said slot with its upper surface indented with respect to the upper surface of the block and having a longitudinally extending T slot therein, a first slide on the bar having a rectangular aperture through which the bar extends, means for decreasing said aperture to clamp the slide on the bar, a set screw carried by the clamp for engaging the opposite side edge of the workpiece, a U-shaped slide on the bar engaging the top and sides of the bar having a rectangular portion at the front edge of the bar, said rectangular portion having a side edge parallel to the block and a front edge parallel to the bar, a removable bushing in said portion spaced from the edges thereof, means for locking the U-shaped slide on the bar comprising a bolt carried by the slide engaging in said T-slot, a shoulder on the block spaced from the flat side thereof at a distance equal to the distance from the center of the bushing to the adjacent side edge of the U-shaped slide, and means for fixing the position of the bar relative to the front edge of the workpiece comprising an elongated rod slidably extending through the block at right angles to the bar, a flat side on said rod adapted to be engaged to prevent turning of the rod, a projection on the rod parallel to the bar having an edge for engaging the front edge of the workpiece, a shoulder on said projection spaced from the engaging edge at a distance equal to the distance from the center of the bushing to the front edge of the U-shaped slide, a rule receiving slot in said shoulder, and means for locking the block on the rod.

2,497,734
FOOD FREEZER
Richard Joseph Kuklich, East Orange, N. J.
Application November 8, 1946, Serial No. 708,601
2 Claims. (Cl. 62—89)

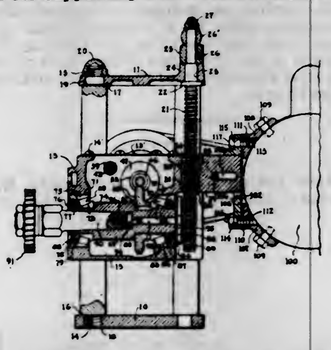


1. In combination, a refrigerator compartment and a freezer compartment adjacent to one another, a single housing for said compartments, said refrigerator and said freezer compartments adapted to be opened from the top, said freezer compartment being deeper than the compartment of said refrigerator, at least two vertically positioned baskets in said freezer compartment, the upper edge of the lower basket having rails, the lower edges of the upper basket having rollers thereon to ride upon said rails, and the refrigerator compartment having a pair of rails therein whereby said upper basket may ride thereon.

2,497,735
METALWORKING MACHINE ADAPTED TO ACT INDEPENDENTLY OR TO AUGMENT THE FUNCTIONS OF MACHINE TOOLS
David S. McCullough, New York, N. Y.
Application August 13, 1947, Serial No. 768,470
6 Claims. (Cl. 90—16)

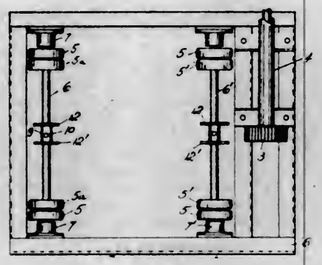
1. A tool unit having a frame with a plurality of guide posts, a housing mounted for slideable movement on the frame whose movement is limited to a pre-determined path by the posts, screw means for moving and positioning the head along that path, a sleeve rotatably mounted in the housing which has one end adapted for receiving a tool which end is exposed on one side of the housing; a tool-carrying attachment including when attached to the tool-receiving side of the

housing a tool shaft perpendicular to the sleeve as well as means for supporting the tool shaft axially nearer one end of the frame than is the sleeve for angular adjustment in respect to the frame but adjusted about the axis of the sleeve, belt means external of the housing for driving the tool shaft, motor means attached to the side of the housing opposite from the attachment, and means for supporting the motor for adjusted po-



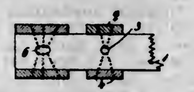
sitions about the axis of the sleeve, the motor being so positioned that its shaft is farther removed from one end of the frame than is both the tool shaft and the sleeve, whereby the tool shaft may be positioned close to work without interference from the motor or the housing and the motor shaft adjusted to varying positions parallel to the tool shaft without causing misalignment of the belt means.

2,497,736
ROTARY DRUM FOR CONCRETE MIXERS
Walter Muller, Dunellen, N. J.
Application June 2, 1948, Serial No. 30,591
6 Claims. (Cl. 259—175)



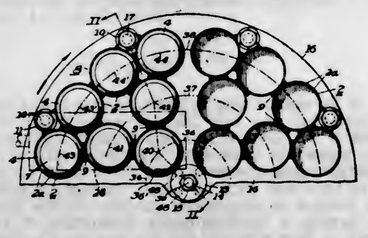
1. In a device of the character described, a frame, drum supporting idler rollers, shafts on which said rollers are secured on said frame, bearings for said shafts in said frame, a mixing drum mounted for rotation on said idler rollers, said drum comprising a cylindrical portion and members at the ends of said portion partly closing it overlapping said ends and united therewith to form a reenforced shell at the zone of contact of said idler rollers therewith, a medial rotational drive gear extending around the periphery of said drum, a positioning idler roller adjustably secured on one of said shafts between said drum supporting rollers and adapted to engage said gear, said gear adapted also to engage drive mechanism for rotation of said drum.

2,497,737
CLINCHING OF NAILS WHEN JOINING PIECES OF WOOD OR THE LIKE
Ernst Eric Alfred Norrefeldt and Hans Erik Edvin Holst, Lidingo, Sweden, assignors to Hyresgästernas Sparkasse- och Byggnadsföreningars Riksförbund u. p. a., Stockholm, Sweden, a corporation of Sweden
Application January 21, 1948, Serial No. 3,634
In Sweden January 16, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires January 16, 1967
5 Claims. (Cl. 1—1)



1. The method of securing a nail in at least two wooden parts forming a first part and a second part and thereby securing the two parts together into a unit so that the first part is superposed on the second part, which method consists in boring a hole in said second part intermediate the edges thereof substantially parallel to the mutually meeting surfaces of both parts and at right angles to the direction in which the nail is to be driven into said parts; selecting a nail which is shorter than the distance through both parts; driving the selected nail first through the first part and then into the second part toward the hole until the nail is driven and the inner end of said nail extends freely into said hole transversely of the axis thereof; and finally clinching the inner end of said nail in said hole.

2,497,738
METHOD OF AND APPARATUS FOR PRODUCTION OF METAL POWDER BY END MILLING OF INGOTS
William W. Paul, Carnegie, and Ernest M. Hommel, Pittsburgh, Pa., assignors to The O. Hommel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1944, Serial No. 559,638
16 Claims. (Cl. 241—29)

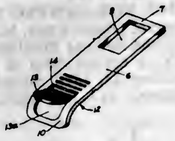


16. Apparatus for reducing metal in ingot form to finely divided particles comprising a rotatably mounted face plate, means on the face plate constituting sockets for receiving and rigidly holding ingots of metal therein with the ingots projecting from the face plate in a direction normal to its plane of rotation, a rotatable cutter extending transversely of the face plate with its axis of rotation transverse to the axes of the ingots in the holder, and means for effecting relative movement of the cutter and the face plate in the direction of the length of the ingots, each holder comprising a substantially cylindrical cup with its outer end slit longitudinally and biased to spring inwardly.

2,497,739
PROCESS OF SEPARATING ISOMERS OF AMIDONE INTERMEDIATES
Karl Pfister, III, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 5, 1949, Serial No. 69,413
14 Claims. (Cl. 260—465)

1. A process for the separation of a mixture consisting of 2,2-diphenyl-4-dimethylaminovaleronitrile and 2,2-diphenyl-3-methyl-4-dimethylaminobutyronitrile which comprises precipitating said 2,2-diphenyl-3-methyl-4-dimethylaminobutyronitrile from said mixture by the addition of p-toluenesulfonic acid.

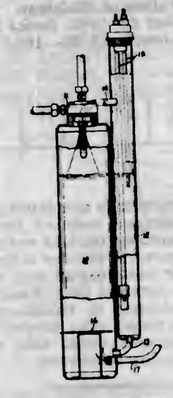
2,497,740
PULL FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application June 21, 1947, Serial No. 756,279
2 Claims. (Cl. 24—205.15)



1. A pull member for slide fasteners of the class described comprising an elongated flat body member, means carried at one end of said body member for attaching the same to the slider body, a portion of the material at the opposite end of said body member struck up therefrom and disposed out of the plane thereof, and that portion of the material in the immediate vicinity of said last mentioned portion being bent in the opposite direction out of the plane of said body member so as to provide a pair of diverging end finger gripping portions.

2,497,741
CARBONATOR APPARATUS
Anthony A. Quimper, Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1947, Serial No. 781,788
1 Claim. (Cl. 261—116)

A carbonator comprising a closed vessel, a nozzle assembly for supplying carbonated water to said vessel, water and carbon dioxide connections to said nozzle assembly, said nozzle assembly being attached to the upper end of said vessel in fluidtight relation therewith, said nozzle comprising a main body portion having passages therein for water and carbon dioxide gas therethrough, a cylindrical mixing chamber for gas and water provided in said nozzle assembly below the terminal points of said water and gas passages, said mixing chamber having a discharge port opening into said vessel, said main body portion being provided with a cylindrical tip portion extending only a slight distance into the mixing chamber and spaced a slight distance from the side walls thereof so as to provide a restricted passageway between the tip portion and the upper end of the side wall of the mixing chamber, said tip portion having a port therein to provide for the discharge of water therefrom under pressure into said mixing chamber, said mixing chamber surrounding said tip portion, whereby when water is discharged at relatively high pressure from said hollow tip portion into said mixing chamber, carbon dioxide gas is aspirated from the chamber surrounding the tip portion into the mixing chamber to atomize and

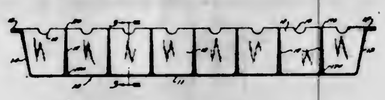


commingle with the water discharging from said tip portion to carbonate the said water, said carbonated water thereafter flowing into the closed vessel through the discharge port of the mixing chamber.

2,497,742
SCLEROSING COMPOSITION
Laszlo Reiner, Bloomfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
No Drawing. Application December 9, 1947, Serial No. 790,713
4 Claims. (Cl. 167—58)

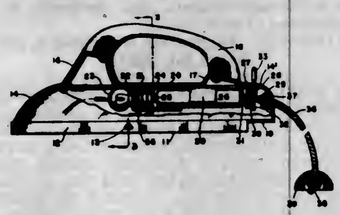
4. A product consisting of a sealed, internally sterilized container containing a predetermined quantity of a sterilized, clear solution of a sclerosing agent, said sclerosing solution being sterilized by treatment with a sterilizing agency distinct from said sclerosing agent, and the interior of the container being also sterilized by treatment with such an agency, and the entire interior and contents of the sealed container being in a positively sterilized condition, said sclerosing sterilized clear solution comprising water as a liquid carrier in the proportion of at least about 98 parts for 100 parts of the carrier, and the aforesaid sclerosing agent dissolved in the water, said solution having a pH in the range of about 7 to 8, the sclerosing agent being in the proportion of ½ to 10 parts by weight for 100 parts of the solution, being a material giving a surface active anion when dissolved in the carrier, and being a water soluble, non-toxic salt having the formula $R^1—X—M$ wherein M is the cationic constituent of the said salt, wherein X is selected from the group consisting of $—OSO_3—$ and $—SO_3—$ and is connected to a carbon atom of a hydrocarbon residue in R^1, and wherein R^1 is a chain containing at least 10 carbon atoms and containing at least one aliphatic hydrocarbon residue and at least one residue selected from the class consisting of hydroaromatic radicals, $—CHR^2—$, $—O—$, $—S—$, $—CONH—$ and $—CONR^2—$, wherein R^2 is an alkyl radical and R^2 is a short chain alkyl radical containing less than 6 carbon atoms, each divalent residue having each of its valences which is not connected to X, connected to a carbon atom, and said chain consisting of residues of the aliphatic hydrocarbon and of the other aforesaid class.

2,497,743
ICE TRAY
John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application May 22, 1948, Serial No. 28,541
3 Claims. (Cl. 62—108.5)



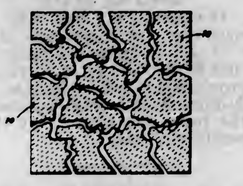
1. A liquid freezing tray comprising a generally rectangular pan-shaped member formed with a bottom and surrounding upright outer side walls, a plurality of transverse divider strips integrally joined along their bottom and end edges to the bottom and to an opposed pair of said side walls, each strip diminishing in thickness from the lower edge to the upper edge thereof, the upper edges of said opposed outer side walls being formed with a plurality of notches.

2,497,744
TOY FLATIRON
Morris Sorkin, New York, N. Y., assignor to Scientific Development Corp., a corporation of New York
Application December 27, 1945, Serial No. 637,299
1 Claim. (Cl. 46—14)



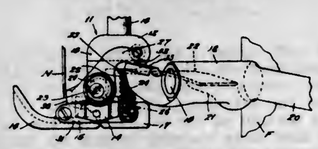
A toy flatiron, comprising a body portion simulating a flat iron and made of translucent plastic material, a base member removably attached to said body portion, the said base member being formed with a peripheral, upwardly extending flange and clips thereon to engage complementary clip members upon the said body portion to hold the said parts together, a miniature light bulb mounted within said body portion, a flashlight battery removably mounted in said body and adapted to supply electrical energy to said miniature light bulb to illuminate the said body portion, the said body portion being formed with a rearwardly extending housing, a metallic arm pivotally mounted in said rearwardly extending housing, insulated therefrom and having electrical connection with the said flashlight battery and said light bulb, a contact point insulated from said metallic arm but having electrical connection with said light bulb adapted to engage said metallic arm to close a circuit to said light bulb and a handle upon the said body portion, the upper end of said pivotal metallic arm extending outwardly through a slot in said body portion to provide hand manipulation to close or open the circuit to the light bulb.

2,497,745
METALLURGICAL BRIQUETTE
Robert W. Stohr, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application August 28, 1948, Serial No. 46,643
3 Claims. (Cl. 75—44)



1. A metallurgical briquet consisting essentially of silicon carbide, a bond and particles of vermiculite.

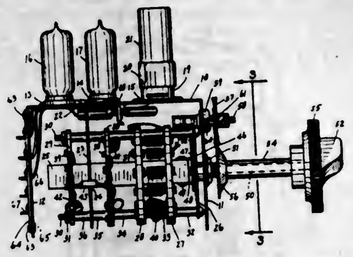
2,497,746
PRESSER DEVICE FOR SEWING MACHINES
Francis P. Tamburro, Ozone Park, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application December 13, 1946, Serial No. 716,161
17 Claims. (Cl. 112—235)



13. In a sewing machine, a presser bar; a lifter for the presser bar; a rocker arm carried by the presser bar at the lower end thereof; a pair of presser feet pivotally connected to the rocker arm and located one ahead of the other; and means including a spring connected with the lifter and with the rear presser foot, and including an adjustably mounted member cooperable with the rocker arm and lifter for maintaining the front presser foot either higher than, at the same level as, or lower than the rear presser foot, depending on the adjustment of the said member, when both presser feet are in lifted position out of engagement with a workpiece.

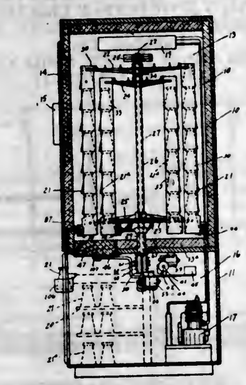
2,497,747
COMBINED CHASSIS AND MULTICHANNEL TUNER
Alarico A. Valdettaro, Bloomington, Ind., assignor, by mesne assignments, to Sarkes Tarzian, Inc., Bloomington, Ind., a corporation of Indiana
Application March 24, 1948, Serial No. 16,771
3 Claims. (Cl. 250—40)

1. In a tuning device suitable for multi-channel tuning of multi-station television and comparable radio-frequency structure, the combination of a U-shaped supporting base member, a confronting closure and shield U-shaped member, the two members interfitting to form a substantially closed chamber, one of said members upon at least two opposite sides, near the edges thereof having groove formations for seating and frictionally gripping the groove seated edges of the other member when interfitted, said members having integral latch and catch formations for locking together the members when interfitted to form the chamber, tuning elements disposed within the resulting chamber and supported by the base member, a manually oscillatable member projecting from one end of the base member,



oscillatable switch members, and an oscillatory support for said switch member disposed within the chamber and connected to the manually operable member for channel selection purposes.

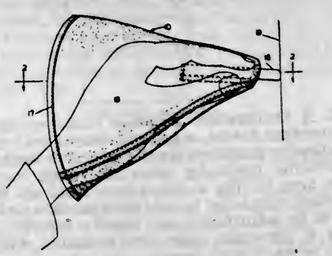
2,497,748
PACKAGE VENDING MACHINE
Walter Von Stoeser, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application March 8, 1946, Serial No. 652,869
10 Claims. (Cl. 312—48)



1. A vending machine comprising a series of vertically disposed tubes for containing a column of packages supported one upon the other, each of said packages having its supporting end of less area than its supported end, a toggle link pivotally mounted on each of said tubes operably mounting an inwardly extending platform thereon for supporting the lowermost package of the column, means for effecting collapse of said toggle link upon movement of its supporting tube to a dispensing station, and a spring operable to return said toggle link and platform to supporting position during discharge of its supported package for reception and support of its superimposed package.

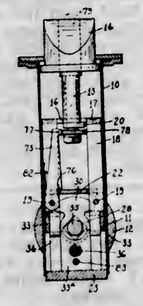
5. A vending machine comprising a cabinet provided with an elevated floor, means in said cabinet for supporting a plurality of packages to be dispensed, a downwardly swinging trap door in said floor for receiving a package thereon, a motor having a drive shaft upon which said door is freely pivoted, an interlocking connection between said shaft and door operable to interlock for controlling the downward movement of said door upon receiving said package, and means for biasing said door to closed position upon discharge of said package therefrom.

2,497,749
HAND AND FINGER SHIELD
Julia Wagner, Hazleton, Pa.
Application January 30, 1948, Serial No. 5,251
2 Claims. (Cl. 2—16)



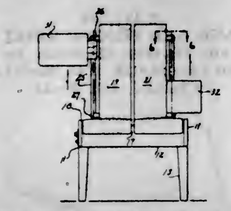
1. A hand and finger shield comprising, a body portion composed of a single piece of flexible material being substantially funnel-shaped in assembled form ready for use, and said funnel-shaped body including an inwardly extending finger disposed at the smaller end thereof and being proportioned to snugly receive a writing element and to snugly engage the writing element throughout substantially its entire circumference and substantially the major portion of the length thereof for permanently supporting the writing element in operable association therewith.

2,497,750
LOCK
George W. Wardwell, Jr., Trumbull, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application May 9, 1946, Serial No. 668,401
8 Claims. (Cl. 292—169)



3. A door lock comprising a case, a bolt and bolt-operating mechanism carried thereby, said mechanism including a retractor, said bolt being depressible relatively to the retractor, a dogging member movably mounted on the retractor and arranged to stand in the path of the bolt within the case when the door is in closed position to prevent retraction of the bolt by pressure on the outer end thereof, and a guard bolt movably mounted in the case to engage and control the position of said dogging member.

2,497,751
VIBRATORY THERAPEUTIC CHAIR
William L. Wettlaufer, Buffalo, N. Y.
Application December 12, 1947, Serial No. 791,250
4 Claims. (Cl. 128—33)



2. A therapeutic massage chair comprising a supporting frame, a pair of spaced seat members resiliently mounted on the frame, a back section extending upwardly from each seat member, a side arm having a concave contour on its inner surface connected to said back section and adapted to be adjustably and fixedly secured thereto, and a vibration generator mounted within the arm of each seat member.

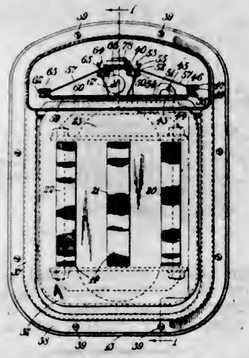
2,497,752
COMPACT
Roman Adler, New York, N. Y.
Application September 17, 1946, Serial No. 697,425
4 Claims. (Cl. 132—83)



3. In a compact, a receptacle having compartments open and closed, respectively, at the top of the receptacle, electrical illumination means including a light bulb in said closed compartment, the latter having a window at the top of said receptacle adjacent said light bulb for the passage of light from the latter to the outside of said receptacle, a cover over the top of said receptacle hinged to the latter, said cover being cut away so as to terminate short of said window when in closed position, a mirror on the inner surface of said cover, and a filler piece on the top of said receptacle having an opening exposing said window and fitting the cut-away portion of said cover and being flush with the latter when closed.

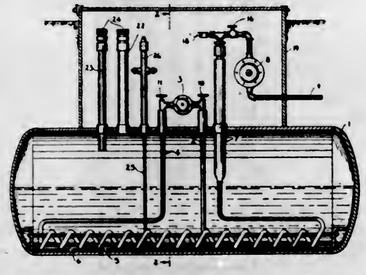
2,497,753
ELECTRICAL COOKING AND LIKE APPLIANCES
Alfred Erwin Reginald Arnot, London, England, assignor to J. E. Shay Limited, London, England, a British company
Application August 5, 1947, Serial No. 766,237
In Great Britain June 13, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 13, 1966
6 Claims. (Cl. 219—25)

1. In an electrically heated appliance of the type referred to the combination of a base, an electromagnet with upwardly-facing poles movably mounted on the base, means for yieldingly urging the electromagnet upwards through a limited path, a switch in series with the exciting coil of the electromagnet, a utensil to be heated which is heavy enough to depress the magnet when placed thereon, and switch-operating means having an actuating part which co-operates with



the electromagnet and utensil when the latter is in place, to break the magnet circuit upon lifting of the utensil, while the magnet follows the utensil through said limited path.

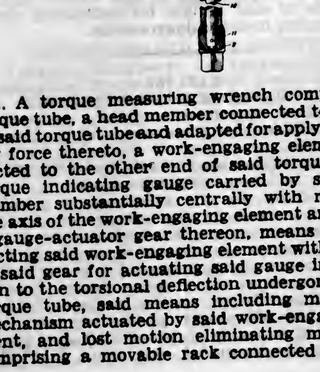
2,497,754
PROCESS AND APPARATUS FOR DISCHARGING VAPORIZABLE LIQUIDS
Robin Baker, Lockney, and James C. Fleming, Lubbock, Tex.
Application August 24, 1939, Serial No. 291,796
7 Claims. (Cl. 62—1)



1. A fuel supply apparatus comprising a tank adapted to contain a liquid under pressure, means to withdraw liquid from a point adjacent the bottom of said tank, means to reduce the pressure of said withdrawn liquid to cause vaporization thereof, a coil immersed in the liquid in said tank, means to pass the vaporized liquid to said coil and means to direct the vapors from said coil.

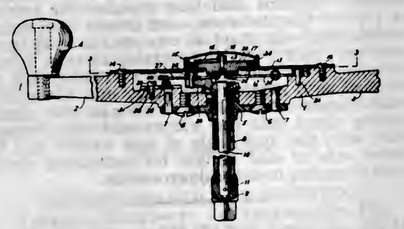
2,497,755
X-RAY TUBE WITH MOVABLE DIRECTING CONE
Detlof Emanuel Berggren, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 10, 1946, Serial No. 668,707
In the Netherlands June 19, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 19, 1961
3 Claims. (Cl. 250—61.5)

1. X-ray apparatus comprising an X-ray tube provided with a target and having a longitudinal axis passing through the target, a fixed housing for the X-ray tube, a beam localizing member having a beam axis intersecting the longitudinal axis of the tube in a focal spot on the target, a slide member movable parallel to the longitudinal axis of the tube, means to rotatably couple the beam localizing member to the slide comprising two interfitting members connected to the slide



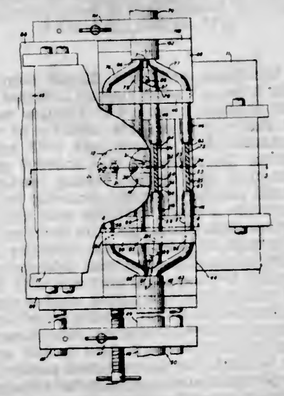
member and the beam localizing member respectively which constitute a pivot, and means coupling the beam localizing member to the fixed housing for pivoting the beam localizing member about an axis perpendicular to the longitudinal axis of the tube and passing through the focal spot, whereby the axis of the beam localizing member always passes through the focal spot for all positions of the beam localizing member.

2,497,756
TORQUE MEASURING WRENCH
Henry Robert Billeter, Highland Park, Ill., assignor to Ammco Tools, Inc., a corporation of Illinois
Application December 8, 1945, Serial No. 633,617
6 Claims. (Cl. 73—139)



1. A torque measuring wrench comprising a torque tube, a head member connected to one end of said torque tube and adapted for applying twisting force thereto, a work-engaging element connected to the other end of said torque tube, a torque indicating gauge carried by said head member substantially centrally with respect to the axis of the work-engaging element and having a gauge-actuator gear thereon, means interconnecting said work-engaging element with one side of said gear for actuating said gauge in proportion to the torsional deflection undergone by said torque tube, said means including multiplying mechanism actuated by said work-engaging element, and lost motion eliminating mechanism comprising a movable rack connected with another side of said gear independently of the connection of said interconnecting means therewith, the points of connection between said movable rack and said gear and between said interconnecting means and said gear lying in a common plane perpendicular to the axis of said gear, a spring urging said rack, gear and multiplying mechanism in a direction opposed to their respective directions of movement when actuated by said work-engaging element so that all torsional deflections of said torque tube in one direction, including small initial deflections, are transmitted, to said gauge and backlash is eliminated between said gauge, said interconnecting means and said work-engaging element and said gear is maintained in one axis of rotation during use of the tool.

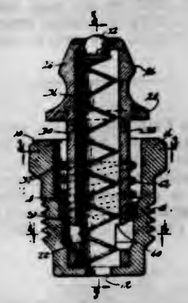
2,497,757
APPARATUS FOR MOLDING INSULATION ABOUT A CABLE SPLICE
Gerson Bonnett, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 17, 1946, Serial No. 641,847
7 Claims. (Cl. 18—36)



7. A molding apparatus, which comprises a pair of mold sections having a plurality of parallel, elongated molding cavities positioned in a plurality of predetermined planes, a plurality of liner pins located outside of the mold sections and in predetermined positions with respect to the molding cavities in the mold sections, a frame of the general shape of a U having a pair of arms and also provided with a plurality of bores for fitting closely over the liner pins, said bores in the frame being located in positions in which the arms of the frame are positioned at opposite ends of the mold sections, a stationary clamp mounted on one of the arms of the frame in a position in which it is equidistant from the ends adjacent thereto of the molding cavities in the mold sections for clamping a cable having a plurality of conductors, an adjustable clamp mounted on the other arm of the frame in alignment with the stationary clamp for clamping and tensioning a cable clamped by the stationary clamp, a pair of spreaders having a plurality of conductor-receiving notches formed therein and mounted on the arms of the frame in positions in which they are positioned between the clamps and the molding cavities and in which the notches therein are aligned with the molding cavities for guiding a plurality of conductors of the cable into alignment

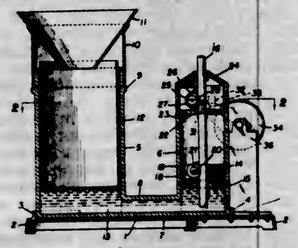
with the molding cavities, and a pair of guide blocks positioned between the clamps and the spreaders for locating the cable with respect to the spreaders.

2,497,758
LUBRICATING FITTING
Thomas Arthur Campbell, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 19, 1945, Serial No. 617,235
4 Claims. (Cl. 184—105)



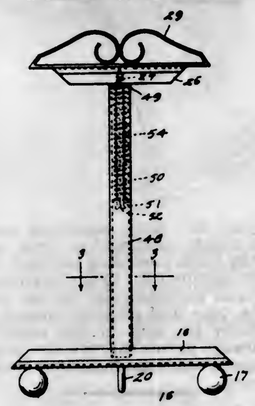
1. A lubricant receiving fitting comprising a generally tubular casing having a closed end with an outlet therein, a generally tubular member of smaller diameter than the interior of said casing communicating at one end with said outlet and having the opposite end thereof projecting from the open end of said casing, means for securing said tubular member centrally in said casing to provide a space between said member and casing communicating with the open end of said casing, a port in said tubular member adjacent said outlet communicating with said space, means in said space between said port and said open casing end restricting said space, and a coil spring surrounding said tubular member and having an end thereof normally closing said space at the restricted portion thereof, said spring end being movable toward the unrestricted portion of said space to permit communication between said outlet and said open end of the casing.

2,497,759
RAIN OR SNOW GAUGE
Homer L. Cappleman, Jr., Miami, Fla.
Application December 2, 1946, Serial No. 713,562
8 Claims. (Cl. 73—171)



1. A rain or snow gauge including a supporting base, spaced vertical open top cylinders seated thereon a connecting means between said cylinders, mercury in said connecting means and in the cylinders above the connecting means, an open vessel in one cylinder supported on the mercury therein, a piston in the other cylinder and actuated by the mercury therein, a rack rod slidably disposed through said piston, a ratchet gear supported by said piston and engaged with said rack rod means for preventing downward movement of the rack rod, and a recording device operable by the movement of the last mentioned means.

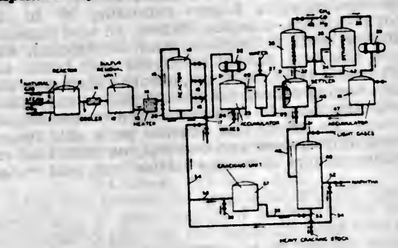
2,497,760
ADJUSTABLE MIRROR OR PICTURE HOLDER
Union Jerome Chambers, Knoxville, Tenn.
Application May 14, 1946, Serial No. 669,627
1 Claim. (Cl. 40—155)



A picture holding device of the kind described, comprising an elongated U-shaped base channel member, a rectangular tube fixed at its lower end to said base member, inwardly extending flanges on the upper end of said tube, an elongated inverted U-shaped upper clamping member and spring-pressed means for urging said clamping member towards said base member for holding a picture therebetween, said means including a rectangular rod fixed at one end to said upper member, said rod being slidable in said tube, a washer about said rod within said tube, said rod formed with a bifurcated lower end for holding said washer from sliding from said rod, and a spring about said rod within said tube engageable with the upper side of said washer and the lower side of said flanges for constantly urging said clamping member downwardly.

2,497,761
SYNTHESIS OF HYDROCARBONS
Alfred Clark, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 10, 1945, Serial No. 615,348
9 Claims. (Cl. 260—449.6)

1. A process for the synthesis of normally liquid hydrocarbons by the interaction of hydrogen and carbon monoxide, which comprises contacting hydrogen and carbon monoxide in a reaction zone in the presence of a sintered iron synthesis catalyst at a temperature between about 265 and 350° C. and a pressure between about 15 and 500 pounds per square inch gage, maintaining the molar ratio of hydrogen to carbon monoxide about 3:2 and about 1:1, maintaining a space velocity between about 100 and 200, withdrawing an effluent from said reaction zone comprising unsaturated aliphatic hydrocarbons, separating a predominantly unsaturated aliphatic hydrocarbon fraction boiling between



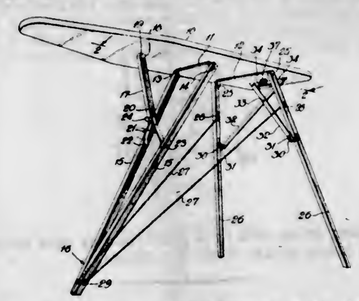
about 25 and 200° C. from said effluent, recycling the fraction thus separated to said reaction zone, and maintaining conditions of temperature and pressure within the aforesaid limits such that substantially all of said recycled hydrocarbons are in the vapor phase.

2,497,762
LUBRICATION GUN
Ernest W. Davis, River Forest, Ill.
Application October 4, 1945, Serial No. 620,340
7 Claims. (Cl. 103—38)

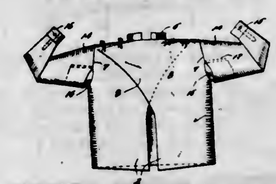
1. In a lever type grease gun which includes a head with a cylinder therein, a plunger reciprocable in the cylinder, and a lever fulcrumed on the head, said lever having a longitudinal slot inclined approximately 10° to the longitudinal axis of said lever, a pivot carried by the plunger and engageable selectively at different positions in the length of said slot to vary the leverage applied to operate the plunger.

2,497,763
IRONING BOARD LEG MOUNTING
Lucius L. Daugherty, Jr., Jacksonville, Fla.
Application November 27, 1945, Serial No. 631,144
11 Claims. (Cl. 38—117)

1. In an ironing board, a pair of legs, means pivoting said legs relatively to said board on pivot axes substantially transverse of said board for swinging movement longitudinally of the board into an extended position and into a retracted position against the board, a brace lever pivoted at its outer end to each of said legs for swinging movement therewith, said brace levers crossing one another to form an X, means pivoting said brace levers to one another where they cross, a link pivoted to the inner end of each of said brace levers, mounting means mounting said links relatively to the board for swinging movement whereby the brace levers will swing with said legs at one end and with said links at their other ends, said links swinging on said mounting means toward the board when said legs are extended and with said brace levers thereby braced between said board and said legs.



2,497,764
HOSPITAL BED GOWN
Ellen K. Doughty, Allentown, Pa.
Application June 6, 1947, Serial No. 752,963
4 Claims. (Cl. 2—114)

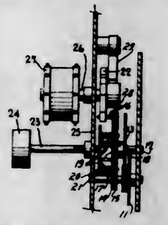


3. A garment comprising a front section, rear sections seamed along front side edges to side edges of the front section, portions of the front and rear sections being cut to form a neck opening and arm openings, the rear sections having their rear edges free from each other and upper portions thereof cut diagonally along a bias to provide the rear sections with laterally extending substantially triangular extensions disposed in overlapped relation to each other below the neck opening and extending across shoulder portions of the garment with their upper edges extending along lines between opposite sides of the neck opening and upper ends of the arm holes, the tapes at one side of the neck opening extending outwardly from the garment and the tapes at the other side of the neck opening extending inwardly of the garment, and tapes extending from upper end edges of the extensions of the rear sections and tied to companion ones of the tapes at opposite sides of the neck opening to releasably secure the rear sections overlapped.

2,497,765
FILM ADVANCER FOR STILL PROJECTORS
Joseph Guercio, Chicago, Ill., assignor to William Waltz, Chicago, Ill.
Application March 27, 1946, Serial No. 657,549
7 Claims. (Cl. 88—28)

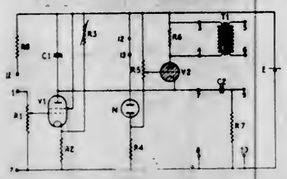
1. In projector-operating means, a film driving sprocket, a second driving sprocket operatively connected thereto, and a driver for the second sprocket comprising a plate, having a plurality of pins mounted thereon; a second plate, also connected to said pins; a third plate slidably receiving said pins; and springs mounted on

said pins, between the second plate and said third plate, and a plurality of driving pins ex-



tending from said first plate, one of said driving pins being longer than the others.

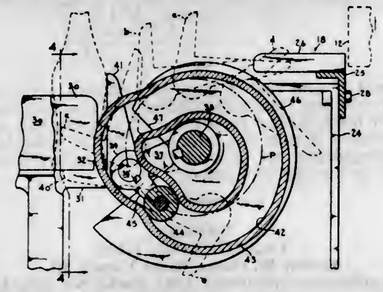
2,497,766
OSCILLATION GENERATOR
Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 4, 1944, Serial No. 521,055
In Great Britain March 17, 1943
7 Claims. (Cl. 250—36)



1. A relaxation oscillator comprising a condenser, a thermionic valve of the constant current type including a cathode and an anode, a source of direct current, said condenser being connected between said anode and the positive terminal of said source, said cathode being connected to the negative terminal of said source, said condenser thereby being charged at a uniform rate, a gaseous discharge tube including a cathode, an anode, and a control electrode, the anode of said gaseous discharge tube being connected to the positive terminal of said source, the cathode of said gaseous discharge tube being connected to the junction between said condenser and the anode of said valve, said condenser thereby being discharged when it reaches a predetermined potential, a potentiometer connected across said source, a connection between an adjustable tap on said potentiometer and the control electrode of said gaseous discharge tube whereby the potential attained by said condenser prior to its discharge through said gaseous discharge tube may be varied to control the amplitude of the oscillations, and a second gaseous discharge tube connected across a portion of said potentiometer to prevent variations in the amplitude of the oscillations with changes in the voltage of said source.

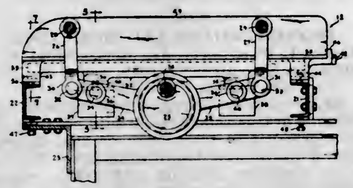
2,497,767
TRANSFER DEVICE
Mervil Hallead, Waukesha, Wis., assignor to Michael Yundt Company, Waukesha, Wis., a corporation of Wisconsin
Application March 27, 1948, Serial No. 17,481
1 Claim. (Cl. 198—25)

A transfer device for tilting and moving a bottle comprising an accumulating platform having spaced horizontal fingers on which said bottle is held in upright position, a bottle-engaging member guided for movement in a circular path perpendicular of said platform, said member having bottle-bottom-engaging fingers and bottle-side-engaging fingers extending 90° to said bottle-bottom-engaging fingers, all said engaging fingers being interspaced and overlapping with said platform fingers to engage said bottle and lift it from said platform, a bottle discharge station having spaced horizontal fingers engageable with the sides of said bottle and positioned adjacent the top of said circular path, said fingers being interspaced and overlapping with said engaging fingers to receive bottles from said bottle-



engaging member, means for tilting said bottle-engaging member immediately after said bottle-bottom-engaging fingers contact said bottle on said accumulating platform to tip said bottle and rest said bottle against said bottle-side-engaging fingers to prevent said bottle from falling as transferred, means for thereafter tilting said bottle-engaging member so that said bottle-side-engaging fingers are horizontal and maintaining said member in such position as said bottle is carried to said discharge station, and means for advancing the forward travel of the ends of said bottle-bottom-engaging fingers to aid the ejection of said bottle from said member to said station.

2,497,768
POWER-DRIVEN CONVEYER
Mervil Hallead, Waukesha, Wis., assignor to Michael Yundt Company, Waukesha, Wis., a corporation of Wisconsin
Application March 27, 1948, Serial No. 17,482
8 Claims. (Cl. 198—219)

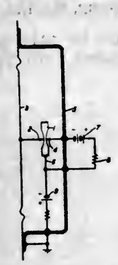


8. A conveyer comprising a pair of relatively movable members having article-engaging surfaces adapted to alternately engage and support articles, a lever for supporting and moving one of said members, one end of said lever being mounted for reciprocal movement in a prescribed path, and means for moving the other end of said lever around a circular path, said one of said members being attached to said lever intermediate the ends thereof to cause said one of said members to move relative to the other of said members in a path which resembles an ellipse the top half of which is somewhat flattened.

2,497,769
PRECIPITATION OF ALKALI METAL SALTS OF PENICILLIN
Norman A. Hansen, Lake Bluff, and James W. Milne and William C. Risser, Waukegan, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application August 17, 1945, Serial No. 611,262
6 Claims. (Cl. 260—302)

1. In the process of preparing a solid alkali metal salt of penicillin acid in which the salt is formed by reacting the penicillin acid with an alkali metal alcoholate, the improvement which comprises employing as said alkali metal alcoholate an alcoholate with an alcohol group containing at least three carbon atoms and up to and including eight carbon atoms, and in precipitating said alkali metal penicillin salt in an anhydrous ether medium.

2,497,770
TRANSISTOR-MICROPHONE
Robert L. Hanson, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1948, Serial No. 67,936
11 Claims. (Cl. 179—121)



1. An electromechanical transducer which comprises a movable, vibration-responsive member, a first electrode supported by and movable with said member, a second fixed electrode located oppositely to and axially aligned with said first electrode, a block of semiconductor material engaged by and supported between said electrodes in such fashion that pressures between said electrodes and said block due to movements of said member are equalized by movements of said block, and an external circuit including a potential source and a load interconnecting said electrodes, whereby movements of said member cause the modification, in related conformance with said movements, of currents flowing in said load due to said source.

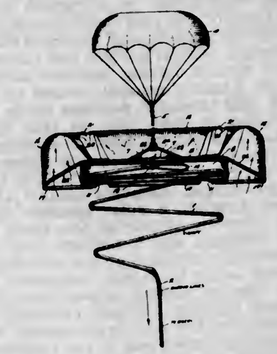
2,497,771
CAM FOR SHOVELS
Walter Hirst, Cranston, R. I.
Application October 3, 1947, Serial No. 777,781
2 Claims. (Cl. 254—131.5)

1. A fulcrum attachment for a shovel and the like comprising an upright support having portions adapted to engage with the ground surface, an arm pivotally connected to the upper end of the support for fore and aft swinging movement, said arm having been adapted to receive and retain a shovel, said support being formed at its top to overhang its bottom part and said arm



having a portion turned up to accommodate the lower end of the handle so that the dirt-engaging portion of the shovel will extend in longitudinal alignment with the arm and whereby to better accommodate the curved lower end of the handle of the shovel.

2,497,772
PACK-TYPE PARACHUTE AND RELEASING MEANS
James W. Horning, Bloomsburg, Pa., assignor of one-half to Samuel H. Evert, Bloomsburg, Pa.
Application June 27, 1947, Serial No. 757,441
6 Claims. (Cl. 244—148)



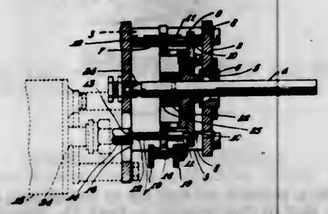
5. In a parachute, a cover open at its bottom, a canopy connected with the cover and stowed into the cover through the open bottom thereof, shroud lines for said canopy, releasable fasteners for releasably holding the shroud lines close against the bottom of the cover, air pockets carried by the cover and movable from a folded position under the cover to an extended position laterally of the cover when the cover is dislodged from the pack tray, elastic pull lines attached to edge portions of said pockets and extending across the top of said cover, and a looped cord engaged with ends of the pull lines and holding the pull lines under tension until broken.

2,497,773

APPARATUS COMPRISING A REVOLVING HEAD FOR TUNING DEVICES

Alexandre Horowitz, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 17, 1946, Serial No. 662,678
In the Netherlands January 14, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 14, 1962
9 Claims. (Cl. 74—10.1)



1. Apparatus for adjusting an electrical device provided with a slidable control shaft member having a conical-shaped end portion, which comprises a support member provided with spaced apart parallel head plates, bearing members mounted on said plates, an actuating shaft member mounted for rotation on the said bearing members, a disc-shaped toothed revolving head member mounted between the said head plates for rotation with the said actuating shaft and having a plurality of threaded holes symmetrically positioned about the axis of the said actuating shaft adjacent the outer periphery of the said head member, a flat ring-shaped member secured to the said head member for rotation therewith and having a plurality of smooth bore holes respectively in alignment with the threaded holes of the said head member, a plurality of threaded pin-shaped members each having an enlarged central portion and formed with a threaded portion having inclined surfaces at one end and a slotted smooth portion at the opposite end, said threaded portions being respectively mounted in said holes so that the said enlarged portions will be positioned between the said head member and the said ring-shaped member, a resilient means for individually pressing the said pin-shaped members against the said ring-shaped member, a roller member normally positioned between certain of the teeth of the said head member, and a resilient arm-shaped member rotatably mounted on the said fixed support member so as to oppose movement of the said roller member thereby to positively position the said head member, the said electrical device being mounted on the said fixed member so that the said conical-shaped end of the resilient control shaft will be positioned in the path of the inclined surfaces of the said pin-shaped threaded members one after the other whereby the said electrical device will be adjusted according to the rotation of the said actuating shaft member.

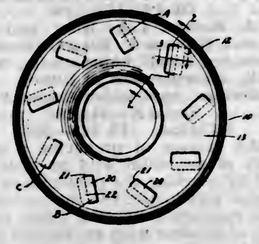
2,497,774

METHOD OF MAKING VANED TIRES

Robert W. Hurah, Erlton, N. J., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Original application December 31, 1943, Serial No. 516,449, now Patent No. 2,457,899, dated January 4, 1949. Divided and this application July 22, 1948, Serial No. 40,114
4 Claims. (Cl. 154—14)

1. The method of making an annular tire body having vanes on its side walls which comprises building an annular tire body of reinforcing material having a covering of vulcanizable material, assembling layers of reinforcing material and vulcanizable material to provide a vane, applying the assembled vane as a unit to a side wall of the tire body at the desired inclination



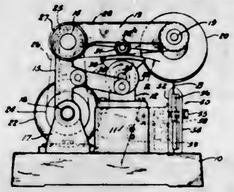
thereto with a layer of separating material between a portion of the vane and said side wall, enclosing the assembly in a mold, and applying heat and pressure to embed the vane in said side wall while vulcanizing the assembly and uniting the vane integrally with the side wall adjacent the separating layer.

2,497,775

MACHINE FOR GRINDING AND SHARPENING SAW BLADES

Otto M. Jensen, Racine, Wis., assignor to Peerless Machine Company, Racine, Wis., a corporation of Wisconsin

Application July 19, 1947, Serial No. 762,051
4 Claims. (Cl. 76—40)



1. A saw blade sharpener comprising, a blade-holding mechanism, a grinding head, a grinding wheel rotatably carried at one end of said head, means for imparting reciprocal arcuate movement to the other end of said head, and an arcuate support for the intermediate portion of said head, said reciprocal arcuate movement and arcuate support being correlated and said head being proportioned so that said grinding wheel reciprocates in a straight line the ends of which are at opposite sides of a blade in said holding mechanism.

2,497,776

COTTON PICKER SPINDLE

Carl A. Kallgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application September 25, 1944, Serial No. 555,664
9 Claims. (Cl. 56—50)

1. In a cotton picker spindle assembly for use upon a spindle carrier having a holding section for retention of the assembly upon the carrier

and having a spindle driving gear and oil supply means associated therewith; the combination of a hollow spindle-holder having outer and inner ends and disposable in said holding section for retention therein, bearing means in the holder, said bearing means including bearing sleeves at the respective ends of the holder, said sleeves being spaced axially apart to form an oil receiving space, the bearing sleeve at the inner end of the holder having an outwardly directed radial flange adjacently to such inner end of the holder, a spindle structure having a shank portion jour-



naled in said sleeves and a crop clutching portion projecting outwardly from the outer end of the holder, a gear on the inner end of said spindle structure for meshing with the spindle driving gear and receiving oil from said oil supply means while the holder is retained in the carrier holding section, oil duct means comprising radial channels in said flange and spaced circumferentially thereabout, a channel circumscribing the spindle structure at the inner ends of the radial channels and a channel extending axially of the spindle structure communicatively between the circumscribing channel and the oil receiving space.

2,497,777

PICKER SPINDLE

David B. Baker, Riverside, and Clarence R. Hagen, Chicago, Ill.

Application January 20, 1945, Serial No. 573,698
13 Claims. (Cl. 56—50)



1. A picker spindle structure comprising a spindle having axially spaced journal and sleeve-holding portions and an axially extending key-way slot, the sleeve-holding portion being tapered, a picker sleeve disposed on and about said sleeve-holding portion and tapered internally to conform to such tapered sleeve-holding portion, and a key comprising a portion of said sleeve projected inwardly into said slot.

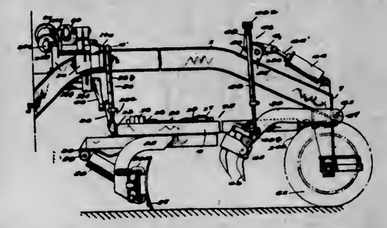
2,497,778

MECHANISM FOR ROAD GRADERS

Anthony L. Lado, Rome, N. Y., assignor, by mesne assignments, to The Union Fork & Hoe Company, Columbus, Ohio, a corporation of Ohio

Application March 17, 1944, Serial No. 526,959
8 Claims. (Cl. 37—156)

3. In a road grader the combination with a wheel-supported longitudinally extending arched main frame, a sub-frame flexibly connected at its forward end to a forward portion of said frame, a moldboard carried by said sub-frame, spaced apart links each connected by a lower end of said sub-frame, dual pairs of driving and driven bell-crank levers, each pair positioned on relatively different sides of said frame, the levers of each pair journalled on said frame to rotatably oscillate on relatively parallel longitudinally extending axes, separate link means hingedly interconnecting an arm of the driving bellcrank of each said pair to an arm of the driven bellcrank thereon, means flexibly connecting each of said links with the other arm of each said driven bellcrank, a pair of reciprocating fluid pressure motors disposed transversely of said frame in side-by-side compact relationship, the two ends of each said motor being respectively flexibly con-



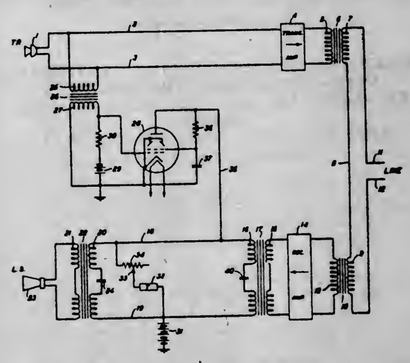
nected to an actuating crank arm of the driving one of said levers and to the opposite side of said frame, both said bellcrank levers each with its pair of arms, said lever linkage and said motors comprising a unitary assembly of elements adapted for mounting on said grader frame so as to position the free ends of said lift crank arms substantially in the vertical plane of said lift links.

2,497,779

FOUR-WIRE TRANSMISSION CIRCUIT THERMISTOR CONTROL

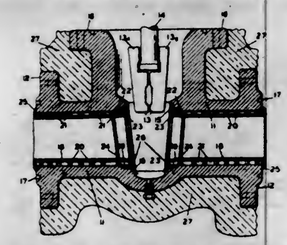
Edward H. Lanham, Montreal, Quebec, Canada, assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada, a corporation of Canada

Application October 9, 1946, Serial No. 702,110
5 Claims. (Cl. 179—1)



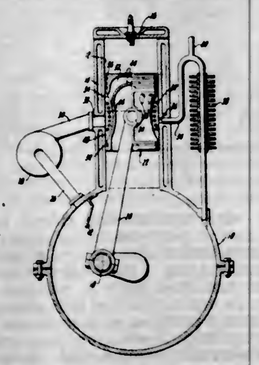
1. A four-wire transmission circuit having a first and a second two-wire transmitting path, a control branch interconnecting said paths, said control branch having a thermistor connected in shunt across said first path, a vacuum tube in said branch, an input circuit of said tube connected to said second path, an output circuit for said tube including said thermistor, and means for varying the current through said thermistor in response to transmission in said second path to vary the impedance of said shunt to reduce the effect of acoustic coupling between said paths.

2,497,780
REDUCING THERMAL SHOCK HIGH-TEMPERATURE VALVE
Shelby D. Lawson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 27, 1945, Serial No. 590,668
1 Claim. (Cl. 251—156)



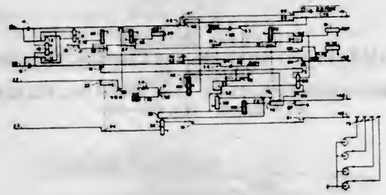
A valve for use with high temperature fluids comprising a valve body forming two coaxial passagewalls spaced apart therein at their inner ends, the adjacent inner ends of the walls of said passages being flared outwardly so as to form enlarged passage portions; imperforate flared liner members, smaller in diameter than said flared passage portions, spaced from the walls of said enlarged passage portions and rigidly affixed at their inner ends to the inner ends of said enlarged passage wall portions so as to form gas tight seals therebetween; annular support members disposed along the length of each said passage wall and rigidly affixed thereto so as to form gas tight seals; and imperforate liner members extending from the outer ends of said flared liner members to the outer ends of said passages, being affixed at their inner ends to said flared liner members so as to form gas tight seals and secured in said annular support members so as to form a plurality of substantially gas tight chambers between said passage walls and said liners.

2,497,781
FORCED DRAFT AIR-COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Theodore A. Logashkin, Yarwun, Queensland, Australia
Application July 13, 1948, Serial No. 38,513
8 Claims. (Cl. 123—171)



1. A cooling system for an internal combustion engine having a cylinder and a piston reciprocably movable therein comprising, for the piston, head and skirt portions in wiping engagement with the cylinder and an intermediate reduced diametral portion of substantial length defining with the cylinder an annular chamber, a passageway extending through the head portion, said passageway being out of communication with the internal space of the piston below the head portion and having an inlet and an outlet in communication with said chamber, and a plurality of radially extending ribs subdividing said chamber into a plurality of sub-chambers, and, for the cylinder, an inlet and an outlet port in the wall thereof, each in communication with said chamber and so located with respect to the stroke of movement of the piston as to be in communication with said chamber throughout the predominant portion of the piston stroke, and blower means associated with said inlet port and operable to blow air into said port during the operation of the engine, said ribs being adapted to channel the air received in said chamber from said inlet port to the inlet of said passageway.

2,497,782
CONNECTOR SWITCH CONTROLLED FROM EITHER CALLING OR CALLED PARTY TO TRANSMIT DIFFERENT TYPES OF SIGNALING
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 15, 1945, Serial No. 616,616
25 Claims. (Cl. 179—18)

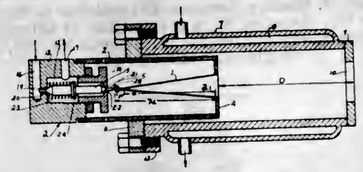


1. In an automatic telephone system, a plurality of classes of calling and called subscribers's lines, means for interconnecting said lines, ringing means in said connecting means, a ring control relay, circuit means for operating said relay in one manner dependent upon the class of said called subscriber's line in case the calling line is of a particular class, said ringing means controlled by the operation of said relay in said one manner to ring said called subscriber in a predetermined manner, additional circuit means for operating said relay in a different manner in case said calling line is of a different particular class independent of the class of said called line, and said ringing means controlled by the operation of said relay in said different manner to ring said called subscriber in a different predetermined manner.

2,497,783
RADIATION PYROMETER
Alfred A. Markson, Mount Lebanon, Pa., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1945, Serial No. 606,724
23 Claims. (Cl. 297—11)

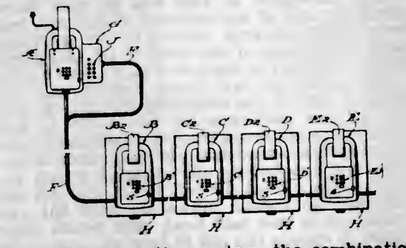
1. A radiation pyrometer comprising an elongated hollow member closed at one end and open at the other end whereby radiant energy may be directed on the inner surface of said hollow member, a support surrounding said hollow

member, said hollow member being secured at its open end to said support so that it is free to undergo changes in length with corresponding movement of its closed end in accordance with the quantity of radiant energy received on the inner surface thereof, and means supported by said support adjacent the closed end of said hollow member and disposed to be actuated by said hollow member in accordance with its changes in length, said support and actuated means being of



metal disposed to have the same total expansion as the hollow member resulting from ambient temperatures whereby the position of the actuated means relative to the closed end of said hollow member remains substantially fixed as the result of ambient temperature and whereby changes in length of said hollow member relative to said actuated means are substantially directly proportional to total radiant energy received on its inner surface.

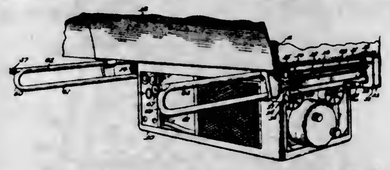
2,497,784
CALCULATING MACHINE AND REMOTE CONTROL MECHANISM THEREFOR
Thomas O. Mehan, Park Ridge, and Hunter E. Hooe, Chicago, Ill., assignors to Victor Adding Machine Co., a corporation of Illinois
Application May 15, 1944, Serial No. 535,574
9 Claims. (Cl. 235—60.31)



2. In an accounting system, the combination of a master calculating machine and a plurality of secondary calculating machines, each of said secondary machines including amount and total printing mechanisms, means to select one or more of said secondary machines for entry of amounts therein, electrical means for transferring amounts entered in said master machine to one or more of said secondary machines, and means manually controlled from said master machine for electrically transferring to said master machine the totals of the amounts entered in said secondary machines.

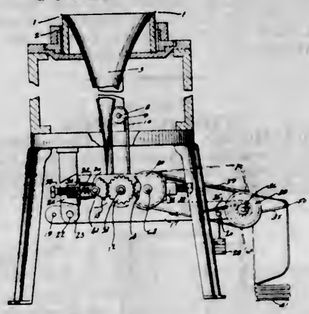
2,497,785
MOUNTING STRUCTURE AND EXTENSION TRACKS FOR MECHANICAL UNITS
Lee W. Melcher, Oconomowoc, Wis., assignor to Waukesha Motor Company, Waukesha, Wis.
Application June 2, 1947, Serial No. 751,871
8 Claims. (Cl. 104—89)

1. In combination, a pair of laterally spaced, horizontal, parallel, fixed tracks supported in suspension from the under side of a car body and extending crosswise of the car, a mobile unit having rollers resting normally on said tracks and adapted to be rolled along said tracks while being supported thereby, said unit being normally positioned underneath the car, latch mechanism operative releasably to lock said unit in its normal position on said fixed tracks, a pair of cantilever extension tracks adapted to be de-



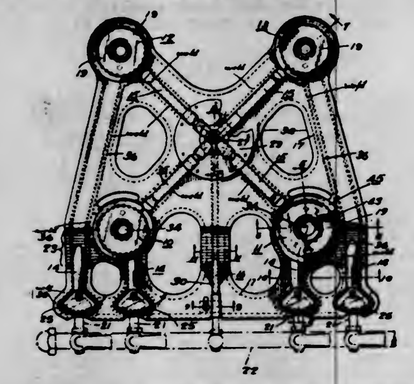
tachably connected, end-to-end, to said fixed tracks, individually, to form temporary continuations of said fixed tracks, the arrangement being such as will enable the mobile unit to be rolled along said track from its normal position underneath the car to a temporary position on said extension tracks out from underneath the car, and means for supporting said extension tracks underneath the car when the same are not in use.

2,497,786
TAKE-UP AND FOLDING MECHANISM
Charles F. Miller, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa., a corporation of New York
Application March 1, 1946, Serial No. 651,239
4 Claims. (Cl. 66—152)



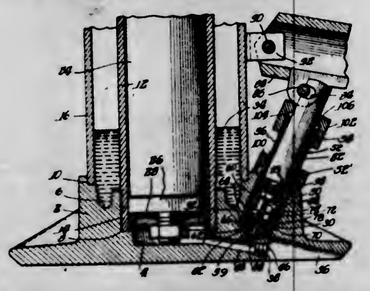
1. A cloth take-up mechanism for a knitting machine, comprising at least two substantially parallel cooperating rollers, at least one of which is driven, to receive the cloth in the bite between them and deliver the same in sheet form, a shaft disposed substantially parallel to said rollers and displaced from said rollers substantially horizontally and in a position to be intersected by planes perpendicular to the axis of at least one of said rollers at the two ends thereof, at least one plate projecting from and extending axially along said shaft, an outer edge of said plate being parallel to said shaft and in length at least substantially equal to the width of the sheet form of cloth leaving the said rollers and power mechanism to rotate said shaft in such a direction as to convey away from said rollers cloth fed from the rollers and extending over the shaft and plate, said plate being sufficiently rigid to substantially support the cloth when the plate extends substantially horizontally from the shaft.

2,497,787
BURNER ASSEMBLY
Henry S. Minster, Rescment, Pa., assignor to Roberts & Mander Corporation, a corporation of Delaware
Application May 1, 1945, Serial No. 591,247
11 Claims. (Cl. 158—115)



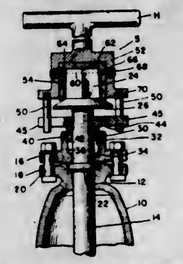
1. A burner assembly for gas stoves comprising complementary and securely connected upper and lower plates, the upper plate having a plurality of burner tops embossed therein, the lower plate having the burner bottoms formed therein, gas supply ducts to the burners formed in one of said plates, a pilot burner operatively associated with the burners, and igniter ducts for connecting the pilot burner and the first named burners having the upper portions thereof adjacent first named burners formed by arched passages provided in the upper plate.

2,497,788
HYDRAULIC JACK
Joseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application September 2, 1944, Serial No. 552,447
4 Claims. (Cl. 60—52)



2. An hydraulically operated device comprising a base including a ram cylinder, said base having a bore, the outer portion of which is internally threaded, a high pressure pump cylinder for said bore comprising an elongated sleeve of uniform wall thickness throughout its length and having a circular inner bore throughout its length of uniform internal diameter and circular threaded outer surfaces at each end of the sleeve of uniform outer diameter, a thread of each of said outer surfaces being a continuation of the thread of the other outer surface, the outer surface of the sleeve between the threaded portions being polygonal, one of said threaded portions of the sleeve threadedly engaging the internal threads of the bore.

2,497,789
EQUIPMENT FOR ADJUSTING PACKING AND THE LIKE
Robert H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application December 27, 1946, Serial No. 718,754
2 Claims. (Cl. 81—90)

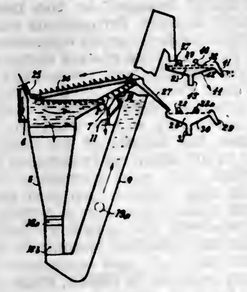


1. A wrench of the character described for turning a nut or the like around the protruding end of a shaft having a polygonal head thereon, comprising an elongated solid rod having handle and tool ends, said rod having a handle rigidly attached thereto at the extreme outer end thereof, said tool end comprising a working cup with a guiding sleeve therein, the exterior surface of said sleeve and the interior surface of said cup being of corresponding cylindrical form providing for turning movement of said cup on said sleeve around the axis of the tool end of said rod, said sleeve being interiorly formed to the polygonal shape of the head of the shaft to fix said sleeve thereto, the exterior surface of said sleeve having a substantially circular groove therein, said cup having a guiding pin extending through its wall with an end positioned for movement in said groove to prevent dislodgement of said sleeve from said cup while permitting relative turning movement, said cup having nut engaging means extending axially from the tool end of said rod and positioned far enough outwardly from the axis of said rod to pass said head, said means being formed to engage the nut to turn the same with respect to the head of the shaft.

2,497,790
SINK AND FLOAT PROCESS FOR THE SEPARATION OF COAL FROM ITS IMPURITIES
Robert L. P. Pauvrasseau, Anzin, France, assignor to Societe Valenciennoise de Gestion (Societe Anonyme), Paris, France, a company of France
Application February 25, 1948, Serial No. 10,794
In France November 9, 1943
6 Claims. (Cl. 209—173)

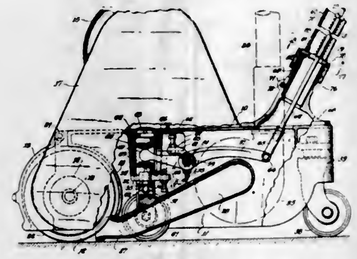
1. A float-and-sink process for the separation of impurities from coal, said coal having a minimum size of approximately 5 mm., comprising the steps of introducing said materials into a suspension containing particles of coal shale and coal fines in water, the average specific gravity of said shale particles and said coal fines being approximately 2.34, the maximum proportion by weight of coal fines to the total weight of solid materials being approximately 24 per cent, the

particles of shale and coal fines together having no particles to exceed 1 mm. in size, with a maximum percentage of 10 per cent by weight for particles of sizes between 0.2 mm. and 1 mm., a maximum percentage of 20 per cent by weight for particles of sizes between 0.1 mm. and 0.2 mm., a



maximum percentage of 90 per cent by weight for particles of sizes between 0.006 mm. and 0.1 mm., and a maximum percentage of 30 per cent and a minimum of 10 per cent by weight for particles smaller than 0.006 mm., and separately withdrawing the products of the separation.

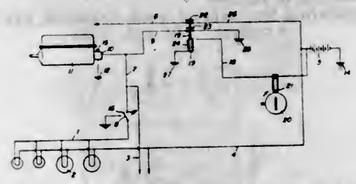
2,497,791
SANDING MACHINE
William L. Petersen, West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich., a corporation of Michigan
Application April 12, 1948, Serial No. 20,389
6 Claims. (Cl. 51—176)



1. In a sanding machine including a motor-driven sanding drum adapted to rotate on a generally horizontal axis and to act against the surface on which the machine is supported, the combination of drum supporting devices including a single swiveled caster wheel, remote from and at right angles to the axis of rotation of the drum; together with a pair of individually operable vertical slides adjacent the drum near its opposite ends; and a leveling wheel carried at the lower end of each of said slides, together with a pivot shaft extending across the machine adjacent the slides, and a pair of levers freely pivoted on the shaft near its opposite ends with each of the levers engaging one of the slides, a leveling fitting pivoted on the pivot shaft between the levers, with means on the leveling fitting to operatively engage both levers, said means comprising screw threaded adjusting means to adjust the relative positions of the levers and slides and effect precise leveling of the sanding drum on the floor surface; together with a spring tensioning device acting on the leveling fitting and common to each of said slides,

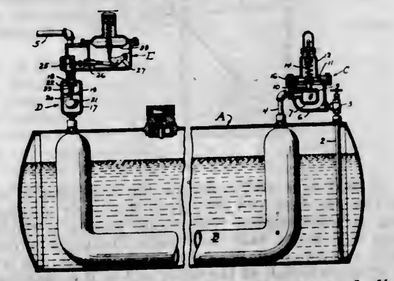
including an actuating rod extending upwardly from the leveling fitting through the machine handle, a coil spring within the handle and surrounding said rod, a screw threaded sleeve surrounding the handle, and means interconnecting the spring and the sleeve to adjust the spring by manual rotation of the sleeve.

2,497,792
AUTOMATIC CIRCUIT BREAKING SYSTEM FOR AUTOMOBILES
William Posnik, Hawthorne, Calif.
Application February 23, 1949, Serial No. 77,877
4 Claims. (Cl. 171—97)



4. An automatic circuit breaking and disconnecting system for automobiles provided with an engine, comprising a source of current, an ignition circuit, an ignition key switch, a source of current supply, current consuming devices and operative circuits therefor, two parallel common branches connectable with the said operative circuits, one of said branches being provided with a thermostatic switching device having a heat responsive element arranged in the vicinity of the automobile engine and operated by the heat developed by the same, and the second branch being a disabling branch, two supply circuits controlled by the ignition key switch including a solenoid, provided with means for connecting the ignition circuit with one of said supply circuits and further provided with means for simultaneously controlling the disabling branch, the second supply circuit being directly connected with the aforesaid operative circuits, the de-energization of the circuit controlled by the ignition key interrupting automatically the disabling branch, the operative circuits of the current consuming devices connected with the second supply circuit being left in control of the thermostatic switching device.

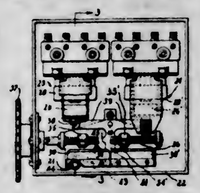
2,497,793
METHOD AND APPARATUS FOR VAPORIZING AND DISPENSING LIQUEFIED GASES
Tallent H. Ransome, Berkeley, Calif., assignor, by mesne assignments, to Ransome Company, a corporation of California
Application December 26, 1939, Serial No. 310,982
16 Claims. (Cl. 62—1)



7. In a liquefied petroleum storage and dis-

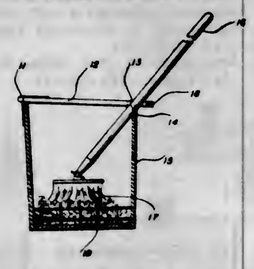
pensing system, a main storage tank, said tank being buried, a take-off connection joined to said tank and in communication with its interior, members defining a fluid conduit from said take-off connection to a point of use, a pressure regulator positioned adjacent the tank in communication with said conduit, a portion of said conduit lying within said tank and comprising a vaporizing unit.

2,497,794
ELECTRIC MOTOR-DRIVEN OPERATOR
Edmund A. Rehwald, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application November 8, 1945, Serial No. 627,472
8 Claims. (Cl. 318—266)



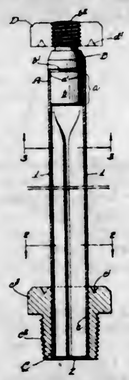
1. A power operator having, in combination, a reversible electric motor, a shaft driven thereby, a rockshaft extending along the motor shaft parallel thereto, a cam on said shaft, arms projecting in opposite directions from a common pivot and connected to said rockshaft, magnetic relays having armatures connected to the respective arms for turning said rockshaft in opposite directions when the respective armatures are moved by energization of their relays, switching means actuated by movement of the respective armatures to control the energization of said motor, a friction brake for said shaft actuated by said cam, and spring means acting on said brake and cam to apply the brake and return said cam and rockshaft to a predetermined neutral position in response to movement of said armatures to deenergize said motor.

2,497,795
CLOSED RECEPTACLE INTO WHICH A MOP MAY BE INSERTED AND SHAKEN
Lewis B. Reid, Atlanta, Ga.
Application January 17, 1946, Serial No. 641,720
1 Claim. (Cl. 15—142)



A dust and dirt collector for receiving a mop to remove dust and dirt from the same, comprising an open-ended receptacle, having a bottom and side walls, said side walls including a front wall and a rear wall, said front wall provided with a primary notch at the open end of the receptacle extending from an edge of said front wall toward said bottom, a closure member having the rear edge thereof pivoted to said receptacle at said rear wall thereof and, a pair of lips on said closure member extending therefrom and adapted to overhang said front wall when said closure member is in a closed position, said lips being adapted to be slidably engaged by the mop for lifting said closure member for opening said receptacle, said closure member having a secondary notch extending from an edge of said closure member intermediate said lips and toward the pivoted portion of said closure member, said lips having curved guiding edges merging with the edges of said secondary notch whereby said guiding edges guide the handle of the mop, when using the same to lift said closure member into an opening position, into said secondary notch and to direct the mop handle into said primary notch when said closure member is moved to a closing position whereby the mop may be slid into the receptacle for agitation therein to free the mop from dust and dirt, said secondary notch, when the closure member is closed, lying in a plane at an angle to that containing said primary notch and in register therewith to form an opening adapted to accommodate the mop handle to prevent substantially the escape of dust and dirt from the container during agitation of the mop to remove dust and dirt therefrom.

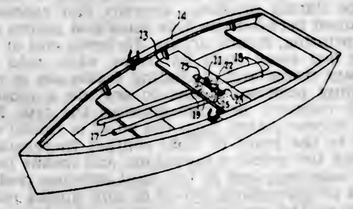
2,497,796
SUPPORTING SPINDLE FOR YARN PACKAGES
Alexander Robertson, Philadelphia, Pa.
Application September 16, 1944, Serial No. 554,483
6 Claims. (Cl. 68—198)



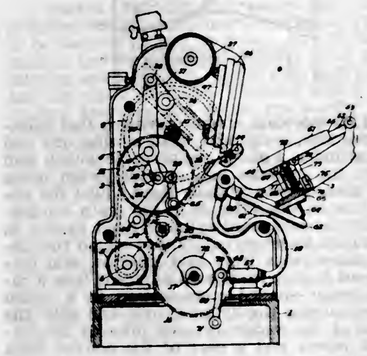
2. A yarn package supporting spindle comprising an imperforate walled tube having its wall radially deformed longitudinally of the tube into a plurality of circumferentially spaced radially extending longitudinal ribs alternating with a plurality of longitudinal grooves, an attachment plug having an axial bore into which said ribs and grooves extend, and means for securing said ribs to said plug.

2,497,797
DEVICE FOR SECURING OARS IN A ROWBOAT
Daniel Rogers, White Plains, N. Y.
Application April 2, 1947, Serial No. 738,880
7 Claims. (Cl. 9—1)

1. The combination with a rowboat seat having an opening, of a metal oar-securing member having a top projection fitting through said opening and lateral oppositely extending hook-shaped projections with upwardly facing openings to support a pair of oars below said seat, and means engaging said top projection to secure it in the seat opening.

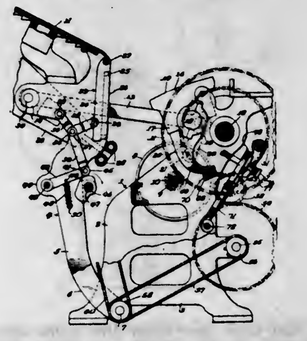


2,497,798
PRINTING PRESS HAVING CURVED IMPRESSION SURFACE
Charles F. Root, Cleveland, Ohio, assignor to Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application July 26, 1946, Serial No. 686,383
8 Claims. (Cl. 101—297)



7. A platen printing press comprising a stationary frame, an oscillating frame pivotally mounted on said stationary frame, means for moving said oscillating frame toward and away from said stationary frame for a printing operation, a type bed member on one of said frames, a curved platen member on the other of said frames, cooperating means on one of said members and its frame for floatingly mounting the member on its frame for rocking movement within a limited range during printing, whereby line contact is obtained between the two members during printing, means urging the lower end of the rockable member away from its frame while said stationary frame and oscillating frame are in non-printing position, means to provide a substantially constant pressure between the two members from the point of initial contact to the point of final contact therebetween during the printing operation, and means to retain said rockable member in the final printing position for a predetermined period of time during movement of the oscillating frame away from said stationary frame to prevent double impression.

2,497,799
PRINTING PRESS HAVING CURVED IMPRESSION SURFACE
Charles F. Root, Cleveland, Ohio, assignor to Chandler and Price Company, Cleveland, Ohio, a corporation of Ohio
Application August 2, 1946, Serial No. 687,844
9 Claims. (Cl. 101—298)

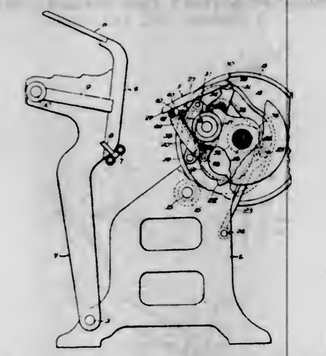


8. A platen printing press comprising a stationary frame, an oscillating frame pivotally mounted on said stationary frame, means for moving said oscillating frame toward and away from said stationary frame for a printing operation, a curved platen on one of said frames, a type bed on the other of said frames adapted to have a type form mounted thereon, cooperating means on said type bed and its frame for floatingly mounting said type bed on its frame for rocking movement within a limited range during printing, whereby line contact is obtained between the type form and platen during printing, means urging the lower end of said type bed away from its frame while said stationary frame and oscillating frame are in non-printing position, means to provide a substantially constant pressure between the type form and curved platen from the point of initial contact to the point of final contact therebetween during the printing operation, and means to retain said type bed in the final printing position for a predetermined period of time during movement of the oscillating frame away from said stationary frame to prevent double impression.

2,497,800
PRINTING PRESS HAVING CURVED IMPRESSION SURFACE
Charles F. Root, Cleveland, Ohio, assignor to Chandler and Price Company, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1947, Serial No. 734,056
6 Claims. (Cl. 101—297)

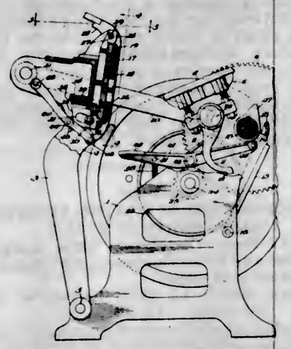
2. A platen printing press comprising a stationary frame, an oscillating frame pivotally mounted on said stationary frame, means for moving said oscillating frame toward and away from said stationary frame for a printing operation, a type bed on said oscillating frame, a curved platen, an oscillatable carrier on said stationary frame for supporting said platen, means for oscillating said carrier and platen to sheet receiving and printing positions, means for locking said oscillatable carrier against movement during the printing operation, means on said platen and carrier for rockably mounting said platen on said carrier for movement within a limited range during printing, whereby line contact is obtained

between said platen and the type bed during printing, means urging the lower end of said curved platen away from said carrier while said stationary frame and oscillating frame are in non-printing position, means to provide a substantially constant pressure between the curved



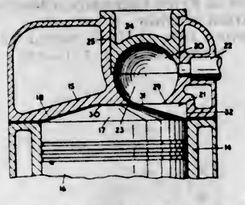
platen and type bed from the point of initial contact to the point of final contact therebetween during the printing operation, and means to retain said curved platen in the final printing position for a predetermined period of time after completion of the printing operation to prevent double impression.

2,497,801
PRINTING PRESS HAVING CURVED IMPRESSION SURFACE
Charles F. Root, Cleveland, Ohio, assignor to Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application April 23, 1947, Serial No. 743,427
5 Claims. (Cl. 101—297)



1. A platen printing press comprising a stationary frame, an oscillating frame pivotally mounted on said stationary frame, means for moving said oscillating frame toward and away from said stationary frame for a printing operation, a platen carrier oscillatably mounted on said stationary frame, a curved platen on said carrier, means for oscillating said carrier and platen to sheet receiving and to printing positions, means for holding said carrier and platen against movement during the printing operation, a type bed on said oscillating frame adapted to have a type form mounted thereon, upper and lower guideways on said type bed, upper and lower guide members on said oscillating frame cooperating with said guideways for guidingly and floatingly mounting said type bed on its frame for rocking movement within a limited range during printing, whereby line contact is obtained between the type form and platen during printing, means urging the lower end of said type bed away from its frame while said stationary frame and oscillating frame are in non-printing position, means to provide a substantially constant pressure between the type form and curved platen from the point of initial contact to the point of final contact therebetween during the printing operation, and means to retain said type bed in the final printing position for a predetermined period of time during movement of the oscillating frame away from said stationary frame to prevent double impression.

2,497,802
FUEL INJECTION ENGINE
Arthur Freeman Sanders, Penzance, England
Application February 20, 1947, Serial No. 729,710
In Great Britain March 9, 1946
5 Claims. (Cl. 123—33)



1. A fuel-injection engine having a fuel injector, a cylinder, a cylinder head closing one end of said cylinder, a piston reciprocable within said cylinder, the pressure end of said piston being convex towards said cylinder head whilst the adjacent face of the latter is in the main complementarily concave, said cylinder head having in it a compact injection cavity into which fuel injection takes place from said injector, said cylinder head having in its said adjacent face a recess of wedge-shaped cross-section in a radial plane containing the cylinder axis and with the thin end of the wedge directed towards the latter, said recess and a part of the convex head of the piston, when the latter is in its adjacent dead centre position, defining a reception cavity which is of less volume than the injection cavity and of which the said part of the piston head forms a boundary wall, the injection and reception cavities lying between a continuation of the internal wall of the cylinder and the longitudinal axis of the latter, and the said cavities communicating with each other through a ductless opening which is mainly sharp-edged and which is of a cross-sectional area which is less than the maximum cross-sectional area of said injection cavity in a parallel plane.

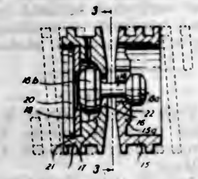
2,497,803
REMOVABLE SLAT FOR VENETIAN BLINDS
Albert N. Smalley, Corning, Ark.
Application March 20, 1946, Serial No. 655,720
1 Claim. (Cl. 160—173)

A removable Venetian blind slat, a latch on the end of said slat being bent along its transverse central line to provide two parallel spaced U-shaped portions forming parallel opposed clamping ears, a lift cord adapted to be received intermediate of said ears, said latch being pivoted to said slat by one set of said clamping ears, one of



the other of said clamping ears being grooved to engage a ribbed keeper secured to said slat opposite said pivot for said latch.

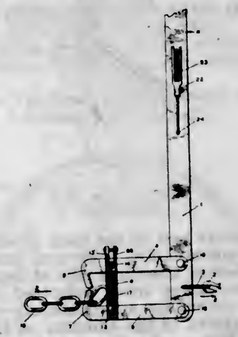
2,497,804
CONNECTOR FOR ELECTRODES
Dick E. Stearns, Shreveport, La.
Application September 30, 1948, Serial No. 51,960
4 Claims. (Cl. 24—222)



1. Means for swivelly connecting adjacent members comprising a pair of connectors adapted to be secured to said members, one of said connectors having a central aperture and a larger interior socket portion coaxial with such aperture, and the other connector provided with a smaller central aperture and socket rearwardly thereof, a substantially dumbbell-shaped swivel link having rounded end portions of different diameters, the smaller end portion of the swivel link being arranged to pass through the central aperture of the first-mentioned connector and to seat in the socket of the second-mentioned connector, and the larger extremity of the swivel link being arranged to seat in the socket of the first-mentioned connector, said second-mentioned connector being provided with a substantially keyhole-shaped slot leading into its central aperture through which the smaller end of the swivel link may pass to and from its seat in the socket of said connector.

2,497,805
COME-ALONG FOR CHAINS
Roy S. Towse, Weiser, Idaho
Application January 20, 1948, Serial No. 3,262
1 Claim. (Cl. 254—75)

A chain puller comprising a lever, a link pivotally carried by and projecting rearwardly from the lever in spaced relation to the lower end thereof for engagement by an anchor chain, hooks extending forwardly from the lower portion of said lever and disposed one above the link and the other below the link in spaced relation thereto, said hooks each consisting of a shank having its rear end portion straddling the lever and pivoted thereto and its front end formed with a bill adapted for detachable engagement through a link of a load chain, rocker links at opposite sides of said hooks and each consisting of a tube open at upper and lower ends, the upper portions of the tubes, having inner and outer side portions formed with longitudinally extending slots, pintles passing transversely through the hooks in rearwardly spaced relation to front and rear ends thereof and having portions projecting from opposite sides of the hooks and passing through end portions of the rocker links to pivotally connect the rocker links with the hooks, the upper pintle being passed through the slots and slidably connecting upper ends of the links with the hooks, helical

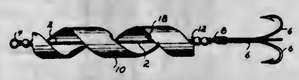


springs in the tubes having their ends connected with the upper and lower pintles and exerting pull longitudinally of the tubes and urging the hooks towards each other, and spacers about the pintles disposed between the rocker hooks and the tubes and holding the rocker hooks in spaced relation to opposite sides of the hooks.

2,497,806
ELECTRODEPOSITION OF CADMIUM
Louis Weisberg, Stamford, Conn., assignor to The Lea Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application December 12, 1945, Serial No. 634,627
8 Claims. (Cl. 204—50)

1. A bath for plating bright cadmium consisting of an aqueous cadmium cyanide solution containing alkali metal cyanide and a roasted water extract of coffee containing substantially all of the non-volatile, water-soluble constituents of roasted coffee, said extract being in amount sufficient to impart a bright surface to cadmium deposited from the bath.

2,497,807
TROLLING SPINNER
Thomas A. Wood, Roxbury, Mass.
Application February 10, 1947, Serial No. 727,497
1 Claim. (Cl. 43—42.2)



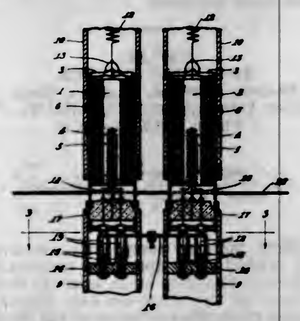
A trolling spinner comprising an elongated helically twisted strip, apertured tongues formed on the ends of the strip at an angle to the longitudinal axis of the strip, an axle journalled in the tongues permitting rotation of the strip about the axle, the inner edge of the strip having relatively spaced pairs of incisions formed therein and the portions of the strip intermediate each pair of incisions providing inwardly directed portions which when acted on by the water passing through the strip will cause the strip to rotate on the axle.

2,497,268
SHOULDER PAD
Florence B. Zacks, Columbus, Ohio, assignor to B. G. Barry Corporation, Columbus, Ohio, a corporation of Ohio
Application July 20, 1948, Serial No. 39,451
6 Claims. (Cl. 2—268)



1. A shoulder pad of the class described comprising, in combination, a covered fabric, a soft yieldable stuffing therein, a pair of separate narrow stiff reinforcing bones embedded in the pad, each bone extending approximately in the direction of extent of the shoulder of the wearer, the bones being spaced apart transversely of the shoulder, elastic retaining tapes applied to the underside of the pad, said tapes being approximately coterminous and parallel with the respective bones, means for securing the respective ends of the tapes to the body of the pad and to said bones at points adjacent thereto, with the tapes under tension and the intermediate portions thereof embracing the shoulder strap of the undergarment of the wearer.

2,497,309
HIGH-FREQUENCY DISCHARGE TUBE APPARATUS
David Zaayer and Eduard Gerardus Dorgelo, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 2, 1946, Serial No. 666,564
In the Netherlands April 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 17, 1962
9 Claims. (Cl. 315—39)

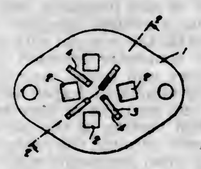


1. High-frequency push-pull circuit apparatus comprising two discharge tubes each including an electrode system having at least a cathode and an elongated anode and an insulating envelope surrounding said electrode system, and a parallel-resonant transmission line output circuit including two tubular conductors disposed in parallel relation, each of said conductors enclosing the envelope of one of said tubes over a major portion of the entire length of said anode whereby each of said conductors is capacitatively connected to the corresponding anode.

2,497,310
PRODUCTION OF PEROXIDE SOLUTIONS
Donald J. Campbell and Edward F. Lefson, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 19, 1949, Serial No. 94,267
16 Claims. (Cl. 23—207)

1. The process for producing hydrogen peroxide which comprises reacting a metal peroxide compound in aqueous medium with an acid-treated cation-exchange synthetic resin, which resin has been subjected to acid treatment at least twice that required to substantially completely remove adsorbed alkali metal ions.

2,497,311
HOLDER FOR THERMIONIC VALVES
Geoffrey William Clark, Bramcote, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass.
Application July 3, 1945, Serial No. 603,034
In Great Britain January 4, 1945
2 Claims. (Cl. 173—328)

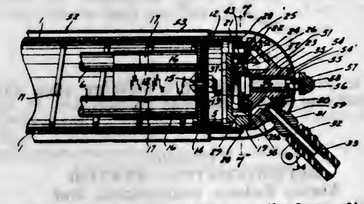


2. A holder for thermionic valves, plugs and like electrical devices including a body composed of one or more sheets of insulating material, said body having openings for contact elements and rectangular slots disposed between said openings extending from the upper face of said body through the lower face thereof, said slots having their sides adjacent said openings and their outer ends disposed within the peripheral edge of said body and their other ends disposed adjacent the center of said body, and wall portions of insulating material secured in said slots, each of said wall portions having an element extending into one of said slots on the upper face of said body and projecting beyond the lower face, and each wall portion having an element disposed in abutting relation with the upper face of said body.

2,497,312
PREPARATION OF PENTANEDIOL
Harry B. Copelin, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 14, 1946, Serial No. 709,793
5 Claims. (Cl. 260—635)

1. The process for the production of 1,5-pentanediol which comprises hydrogenating di-2-tetrahydropyryl ether in a substantially neutral aqueous medium in the presence of a hydrogenation catalyst.

2,497,313
PORTABLE PRESSURE FLUID SERVOMOTOR AND VALVE THEREFOR
Harold W. Darr, Minneapolis, Minn., assignor to Char-Lynn Co., Minneapolis, Minn., a corporation of Minnesota
Application April 17, 1946, Serial No. 662,810
5 Claims. (Cl. 121—38)

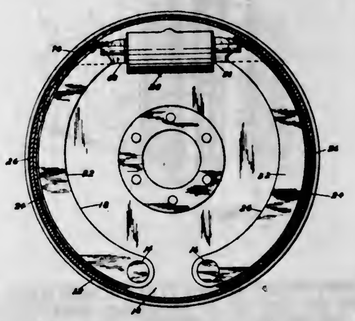


1. In a device of the class described, a cylinder, a piston within said cylinder, a cylinder head, an axial recess in said cylinder head, an air passage extending through said head radially outwardly of said recess, a valve disc mounted for rotation in said recess, said disc on its outer face having three circumferentially-spaced openings, two adjacent ones of which extend but partially through said disc and are connected to each other within said disc, and a third of which openings extends axially through said disc, a valve cap secured to said cylinder head and having an axial opening therethrough, a valve stem journalled in the axial opening of said cap and keyed to said disc, an air passage intermediate said valve disc and head in constant communication with the opening through said disc and terminating in said head radially outwardly of said disc, a valve seat on the inner face of said valve cap cooperating with said valve disc, a port in said valve seat adapted to be aligned with the openings in the valve disc upon rotation of the valve disc and discharging to atmosphere, a port in said valve seat adapted to be axially aligned with the openings in said valve disc upon rotation of said valve disc and communicating with the air passage in said cylinder head, an air passage in said valve cap communicating with the air passage intermediate said valve disc and cylinder head and adapted to be connected to a source of air pressure, and means for rotating said valve stem, said valve disc comprising a back plate of relatively hard material and a face plate of relatively soft material, said back plate having a circumferentially-extending channel adjacent said face plate and an opening circumferentially-spaced from said channel and extending axially through said back plate, said face plate having three circumferentially-spaced openings extending axially therethrough, one of said openings being aligned with the opening through said back plate and the other two of which communicate with opposite ends of said channel.

2,497,314
STABILIZATION OF PEROXIDE SOLUTIONS
Arthur A. Elston, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 17, 1947, Serial No. 742,027
12 Claims. (Cl. 23—207.5)

1. In the manufacture and storage of a high-strength hydrogen peroxide solution containing not less than about 50% by weight of hydrogen peroxide, the improvement which comprises adjusting and maintaining the pH of said solution not more than 1 pH unit above, nor more than 2 pH units below, the pH at which the greatest change in pH will occur on the addition of a substance from the group consisting of acid and base and adding thereto a hydrogen peroxide stabilizer.

2,497,315
FLUID PRESSURE ACTUATED MOTOR FOR VEHICLE BRAKES
Harold L. Frick, Detroit, Mich., assignor to Hydraulic Brake Company, a corporation of California
Application February 1, 1946, Serial No. 644,732
4 Claims. (Cl. 188—79.5)

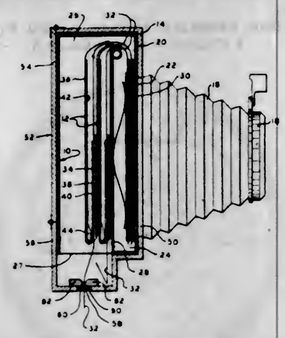


1. A brake comprising a movable member, a friction element movable into engagement therewith, fluid pressure means for actuating the friction element, means in the fluid pressure means for retracting the friction element and shiftable means in the fluid pressure means for determining the retracted position of the friction element having a part adapted to frictionally engage the movable member and to be shifted as a result of a differential in movement between the friction element and the shiftable means.

2,497,316
PHOTOGRAPHIC PRODUCT
John Greenhalgh, Auburndale, Newell W. Pinkham, North Quincy, and Robert B. Tomer, Danvers, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application July 16, 1947, Serial No. 761,240
7 Claims. (Cl. 95—22)

1. A film pack comprising a magazine and at least one composite photographic film assemblage therein; said photographic film assemblage comprising a layer of a silver halide photosensitive material, a second layer of material, said photosensitive layer having a predetermined area thereon adapted to have a latent image formed therein and adapted for movement relative to said second layer so as to permit alignment of said area on said photosensitive layer with a corresponding area of said second layer, an envelope formed from a material opaque to light which is actinic to said photosensitive layer, said second layer of material being disposed in said envelope and carried by one of the walls thereof and having said predetermined area thereon adapted to receive a visible image, said envelope having an opening at one end at least as wide as said layer of photosensitive material, a leader associated with said photosensitive layer and extending from said photosensitive layer through said

opening and into said envelope, a flap associated with each wall of said envelope at the other end thereof, each of said flaps being normally disposed in said envelope and having their ends attached to opposite sides of said leader, said flaps being adapted to register the image area on said photosensitive layer with the image-receiving area on the second layer of material when said photosensitive layer is drawn into said envelope through said opening by means of said leader, and a container releasably carrying a liquid composition secured to one of said layers adjacent an edge of its associated predetermined area, said liquid comprising at least a solvent for a silver halide developer and said assemblage including said developer and a substance for forming a visible image on said second layer; said magazine including a housing within which at least said photosensitive layer may be held and positioned in exposure position outside of said envelope, and means defining an exposure opening in said housing permitting exposure of the photosensitive layer held thereby.

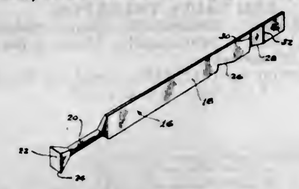


2,497,817
STABILIZATION OF EGGS
Cedric Hale, Glen Ellyn, and Paul Schauert, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 29, 1949, Serial No. 84,262
6 Claims. (Cl. 99—161)

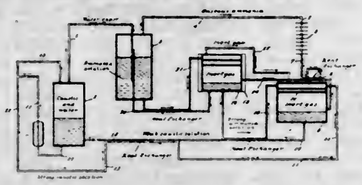
1. A process for the treatment of shell eggs which comprises the steps of subjecting such eggs to a heat treatment with a liquid at about 130° F. for about 7 minutes and thereafter subjecting the eggs to a separate heat treatment with a liquid at a temperature of about 136° F. for about 7 minutes, whereby the fresh quality of the eggs is retained to a greater extent than the untreated eggs, bacteria are destroyed, and the albumen is preserved in thick, untinted condition.

2,497,818
MEAT CUTTING GAUGE
Grover R. Henney, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois.
Application October 18, 1945, Serial No. 623,153
3 Claims. (Cl. 33—189)

1. A meat cutting gauge comprising an elongated flat bar portion, a scribing head at one end of said bar portion, and a portion of generally circular cross section between said bar portion and said head, said bar portion having a notch in one edge thereof at a prescribed distance from said head, and said head being generally pyramidal in form and having a scribing edge along at least one side of its base portion.

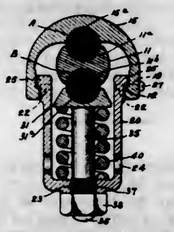


2,497,819
REFRIGERATING SYSTEM
Abram Katzow, Indianapolis, Ind.
Application January 29, 1944, Serial No. 520,268
11 Claims. (Cl. 62—119.5)



1. In a refrigeration process, the steps of expelling cooling agent from a part of a solution of cooling agent and solvent, condensing the expelled cooling agent and evaporating the cooling agent to produce refrigeration, bringing another part of said solution of cooling agent and solvent into an intimate contact with a medium which while entering into solution with the solvent frees the cooling agent to evaporate from the solvent to produce refrigeration, and reintroducing into the solvent both the expelled and the freed cooling agent.

2,497,820
CABLE CLAMP
Johan L. Kielland, Montreal West, Quebec, Canada, assignor to The Shawinigan Water & Power Co., Montreal, Quebec, Canada, a corporation of Quebec
Application July 13, 1945, Serial No. 604,901
In Canada May 1, 1945
6 Claims. (Cl. 24—126)



1. A cable connector for stranded cables, comprising an outer housing having a cover whose inner surface is adapted to provide a fixed contact bearing for a cable and a fixed spring support, a movable jaw member within the housing to provide a second contact bearing for a cable, said movable jaw member having at least two

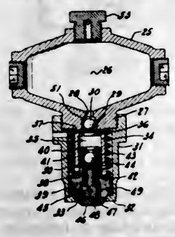
threaded shanks extending freely through and beyond the spring support, a spring on each shank between the movable jaw member and the spring support acting normally to press the movable jaw member against a cable, and a nut on each threaded shank outside the outer housing adapted to compress the corresponding springs and release the pressure of the movable jaw member against the adjoining cable during installation, and to release said springs for normal service.

2,497,821
SLIDE FASTENER
John H. Kohler, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 16, 1945, Serial No. 578,240
8 Claims. (Cl. 24—205.16)



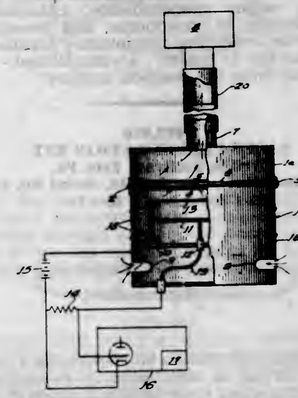
1. A slide fastener comprising a pair of stringer tapes, a substantially continuous bead strip secured to one face of each tape adjacent one edge thereof, a fastener coil for each tape including spaced successive convolutions, and means connecting each of said successive convolutions to said one edge of said tape and said bead strip at a plurality of circumferentially spaced points to attach the coil securely to said tape.

2,497,822
LUBRICATOR
Eugene Martin, Wesleyville, and Joseph B. MacKenzie, Erie, Pa., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application September 5, 1945, Serial No. 614,482
7 Claims. (Cl. 184—42)



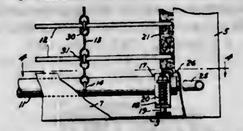
1. A lubricator comprising a main lubricant reservoir and an auxiliary reservoir with a communicating passageway therebetween, a check valve in said passageway, a lubricant discharge passageway leading from said auxiliary reservoir, a check valve in said discharge passageway, said check valves adapted for normally opening said communicating passageway and closing said discharge passageway, and a reciprocable member responsive to an external pressure applied thereon at the discharge end of said lubricator for transmitting pressure on the lubricant in said auxiliary reservoir, said check valves being responsive to the pressure on the lubricant in said auxiliary reservoir for closing said communicating passageway and opening said discharge passageway to effect a discharge of lubricant from said auxiliary reservoir through said discharge passageway.

2,497,823
RADIATION MEASURING DEVICE FOR AIR FILTERS
Everett W. Molloy, Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application June 10, 1946, Serial No. 675,798
9 Claims. (Cl. 250—83.6)



1. Apparatus of the class described comprising, in combination, a filter paper adapted to collect the dust from air, means for flowing the air through said filter paper at a constant rate, and radioactivity measuring means adjacent to and spaced from the air input side of said filter paper adapted to measure the radioactivity of the dust thereon collected.

2,497,824
AIR DIVERTER
Lyman C. Reed, New Orleans, La.
Application July 19, 1945, Serial No. 605,978
6 Claims. (Cl. 160—178)



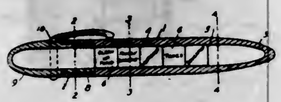
1. In an air diverter provided with an assembly of louver blades interconnected at their edges by links, the endmost links connected to upper and lower shafts, the combination of a fixed bearing for one of the shafts, a floating bearing for the other shaft, and pressure means for maintaining the floating bearing and louver assembly constantly under tension, the floating bearing comprising a yoke in slidable engagement with fixed guide members, the pressure means being carried by said guide members and operating upon said yoke.

2,497,825
METHOD OF MAKING 2-AMINO-5-SUBSTITUTED-1,3,4-THIADIAZOLE
George W. Steahly, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 28, 1946, Serial No. 680,077
19 Claims. (Cl. 260—302)

1. An improved method of making 2-amino-5-substituted-1,3,4-thiadiazoles in which the 5-

position substituent is a radical selected from the group consisting of alkyl, alkenyl, aralkyl and cycloalkyl radicals comprising condensing one equivalent of an acyl chloride with one equivalent of thiosemicarbazide in the presence of at least one equivalent of at least one condensing agent selected from the group consisting of thionyl chloride, thionyl bromide, sulfur monochloride, sulfur monobromide, chlorosulfonic acid, chlorides of phosphorus, and bromides of phosphorus, rendering the mixture alkaline and recovering the 2 - amino - 5 - substituted - 1,3,4-thiadiazole from the reaction mixture.

2,497,826
SALES PRESENTATION KIT
Cyril S. Sullivan, Erie, Pa.
Application November 3, 1948, Serial No. 58,111
4 Claims. (Cl. 35—1)



1. A sales presentation kit comprising a tubular member having a longitudinally extending recess of rectangular cross-section, a series of blocks encased in said recess in said tubular member having indicia on the sides thereof so arranged as to comprise in combination with the remainder of the blocks an outline of a sales presentation, the sides of said recess being straight so as to permit said blocks to be slid out of said tubular member when said tubular member is tilted upwardly, and a rounded tubular cap disposed on the open end of said tubular member.

2,497,827
CLOSURE MEMBER
Warren L. Trafton, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 13, 1946, Serial No. 662,002
2 Claims. (Cl. 220—60)

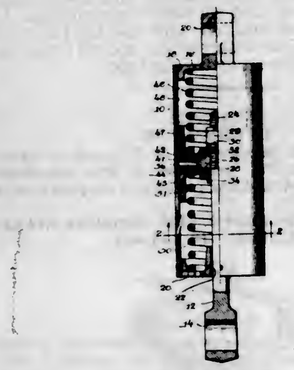


1. A closure button adapted for engagement with apertured supports of varying thickness comprising a body having an inturned edge forming a peripheral flange, an annular series of relatively narrow fingers of substantially two lengths in substantially alternate positions with respect to each other and extending laterally from an integral with said peripheral flange and having outwardly directed shoulders intermediate the ends thereof, the shoulders on the longer of said fingers being adapted to engage behind a lower edge of an aperture wall of a relatively thick support with the shoulders of the shorter fingers being spaced a shorter distance from the flange than the shoulders on the longer fingers and having increased tensioned contact with the aperture wall, and the shoulders on the shorter of said fingers being adapted to engage behind a lower edge of an aperture wall of a relatively thinner support.

2,497,828
CONTROLLING POLYMERIZATION REACTIONS
James H. Young, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 22, 1945, Serial No. 595,260
3 Claims. (Cl. 260—89.1)

1. A process for polymerizing vinyl acetate in aqueous emulsion in the presence of hydrogen peroxide as catalyst and formaldehyde sulfoxylate as activator therefore characterized in that the relative concentrations of said peroxide and sulfoxylate are controlled in response to measurements of the oxidation-reduction potential of the reaction mixture within a range not exceeding 200 millivolts.

2,497,829
SNUBBER
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 31, 1945, Serial No. 613,838
7 Claims. (Cl. 267—9)



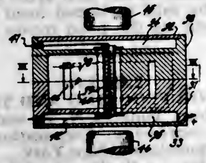
1. A shock absorber for controlling relative movements of the sprung and unsprung portions of a vehicle comprising a cylinder securable to one of said portions, a plunger extending and movable within said cylinder and securable to the other of said portions, said plunger comprising a wedge element rigidly secured thereto and having top and bottom V-shaped surfaces, a set of friction shoes having surfaces in complementary engagement with said top surfaces and friction faces in engagement with the inner surface of said cylinder, a set of friction shoes having surfaces in complementary engagement with said bottom surfaces and faces in engagement with the inner surface of said cylinder, and a pair of spaced coil springs, one of said springs extending between the surfaces and faces of said first-mentioned set of shoes and compressed between said set and said cylinder, and the other of said springs being sleeved over said plunger, extending between the surfaces and faces of said second-mentioned set of shoes and compressed between said set and said cylinder.

2,497,830
DOOR HOLDER
Benjamin S. Bernhard, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application October 4, 1945, Serial No. 620,287
8 Claims. (Cl. 292—275)



6. In a door holder, a track, a slide slidable on said track, an arm pivotally connected to said slide, a latch carried by said slide, a housing carried by said track, a dog in said housing, said dog and housing having cooperative surfaces for directing said dog into operative position for engagement with said latch when said dog is moved in one direction, a cam member in said housing for moving said dog in said direction and holding the same in said operative position, and a manually operated knob at the outside of said housing for rotating said cam for the purpose set forth.

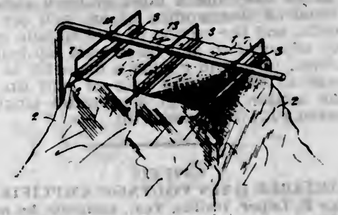
2,497,831
ELECTRON DISCHARGE DEVICE EMPLOYING CAVITY RESONATORS
Henry B. De Vore, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 22, 1945, Serial No. 611,937
19 Claims. (Cl. 315—39)



1. An electron discharge device having a plurality of anode elements defining a chamber, a cathode for supplying electrons within said chamber, cavity resonators coupled between adjacent anode elements and wave transmission means coupling said resonators together, said coupling means including a peripherally-closed tubular conducting wall extending between and opening into adjacent resonators intermediate the ends thereof.

2,497,832
OXYGEN TENT CANOPY
George R. Fairbamb, Pelham, N. Y., assignor to General Hospital Supply Service, Inc., New York, N. Y., a corporation of New York
Application October 28, 1947, Serial No. 782,548
2 Claims. (Cl. 135—8)

2. Suspension means for oxygen tent canopies and the like having a flat rectangular top panel and a skirt depending therefrom, comprising a plurality of strips extending transversely across the entire width of said top panel at spaced intervals, each of said strips having parallel side portions sealed to said top panel leaving an intermediate unsealed portion forming a straight tubular passageway extending across the entire width of said top panel, and a hanger for each strip, each of said hangers being of rectangular shape having upper and lower horizontal arms connected at one end, the other end of the upper horizontal arm being provided with a hook to

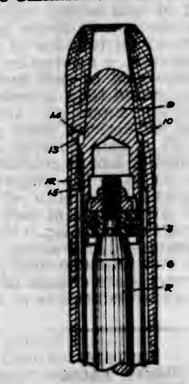


engage the free end of the lower horizontal arm, said lower horizontal arm being straight and extending through one of said passageways, entering at one end and emerging at the other, and engaging said passageway throughout its length.

2,497,833
PROCESS FOR POLYMERIZING BUTADIENE OR THE LIKE IN THE PRESENCE OF TETRA-ARYL SUCCINO DI-NITRILE AND PRODUCTS THEREOF
David Josefowitz, New York, N. Y., assignor to Publicker Industries Inc., Philadelphia, Pa.
No Drawing. Application March 9, 1946, Serial No. 653,442
6 Claims. (Cl. 260—45.9)

4. A fairly hard rubbery non-sticky and transparent synthetic polymer of butadiene 1,3 containing a tetra-aryl succino di-nitrile in the proportions of about 0.03–0.10 part of said di-nitrile to 5 parts of butadiene 1,3.

2,497,834
SPINNING AND TWISTING SPINDLE STRUCTURE
John A. Kennedy, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application September 19, 1946, Serial No. 698,017
8 Claims. (Cl. 242—46.2)



8. A textile spindle adapted for rotation about a vertical axis, including a spindle blade provided with a tapered tip at least one-half inch long adapted for driving engagement with a bobbin

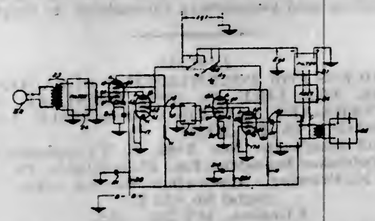
having a correspondingly tapered seat to fit frictionally on said tip with sufficient firmness to transmit the entire torque required to drive the bobbin and its load without abnormal slippage, said tip having a diameter of at least one-half inch at its base and a taper of from eighty to two hundred thousandths of an inch per inch of length, and the section of said spindle immediately adjacent to and below said tip being of cylindrical form and having a diameter at least as large as that at the base of said tip, said spindle section being of substantial length as compared with the tapered tip.

2,497,835

VARIABLE GAIN VOLTAGE AMPLIFIER

George B. Loper, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application December 20, 1946, Serial No. 717,557
1 Claim. (Cl. 179—171)



A variable gain amplifier stage for maintaining seismic signals at desired amplitude without producing spurious signals, which comprises two pentode tubes, a source of seismic signals connected to the control grid of a first of said tubes to vary the control grid-anode transconductance of said first tube, said first tube having an output circuit including a balanced bridge of the four-impedance type, the anode of said first tube and the screen grid of the second of said tubes being connected across a diagonal of said balanced bridge, an amplifier output circuit including a capacitor connected to the other diagonal of said balanced bridge, a source of B-supply for the anode of said first tube and for said screen grid of said second tube connected between their respective cathodes and to said last-named diagonal on the side of said bridge opposite said capacitor, a conductive connection between the screen grid of said first tube and the anode of said second tube, a conductive connection between the suppressor grids of said tubes, and means for deriving from said amplifier output circuit a gain control voltage including a gain control circuit connected to said suppressor grids to vary the suppressor grid-anode transconductance of both of said pentodes, the circuit components of said bridge being selected for continuous balance thereof upon change in suppressor grid-anode transconductance of said first tube and upon concurrent opposite and proportionate change in suppressor grid-screen grid transconductance of said second tube.

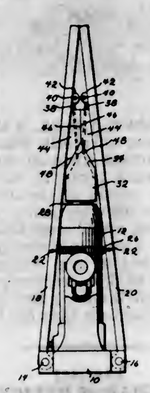
2,497,836

BODY JACK

Roy G. Miller, Tacoma, Wash.

Application June 12, 1946, Serial No. 676,147
3 Claims. (Cl. 153—32)

1. In a vehicle body jack, the combination which comprises a hydraulic jack including a base with a vertically disposed cylinder and a plunger in the said cylinder, a V-shaped head on the plunger with vertically disposed grooves in opposite sides thereof, the lower ends of said grooves having obstructions therein, vertically disposed pressure arms positioned on opposite sides of the cylinder and extended from the base to a point above the said plunger head, means pivotally mounting the said arms on the said base,



links pivotally connected to the said arms at points above the obstructions in the said grooves of the V-shaped head and positioned with the free ends thereof resting in the said groves of the plunger head, means resiliently urging the said arms to nested positions against the plunger head, and means on the said arms positioned to coact with the said V-shaped head to start the arms outwardly as the head moves upwardly.

2,497,837

BOARD FOR FLOORING AND THE LIKE

Henry P. Nelson, Yonkers, N. Y., assignor to The Non-Skid Surfacing Corporation, Yonkers, N. Y., a corporation of New York

Substituted for application Serial No. 460,929, filed October 6, 1942. This application filed September 27, 1947, Serial No. 776,493
5 Claims. (Cl. 20—6)



1. A safety board for use in making gratings, treads and flooring to stand or walk upon comprising a piece of sawed lumber having a length greatly exceeding its width and having the grain of the wood running longitudinally whereby the board may be sawed crosscut substantially perpendicular to a longitudinal edge to produce sections of desired lengths for use, said board having a succession of relatively shallow, transversely extending, continuous grooves in its top face extending for the full width of the board and substantially perpendicular to the edge, said grooves being spaced along the board at approximately foot-width intervals, the full length of grooves holding inlays of wear-resisting, slip-preventing abrasive mineral material extending at least to

the top face of the board, said inserts having a width less than one-half of the width of the space therebetween, said inserts being positioned and spaced with respect to one another so as to leave clear zones through which the board may be crosscut with a wood-working saw between adjacent inserts without the latter interfering with or contacting the saw blade to produce sections of any desired length for use.

2,497,838

STARCH TREATMENT

John Marshall Newton and Lee D. Ough, Clinton, Iowa, assignors to Clinton Industries, Inc., Clinton, Iowa, a corporation of Delaware

No Drawing. Application November 16, 1948, Serial No. 60,419
10 Claims. (Cl. 195—99)

1. A method of conditioning starch for enzymic conversion comprising dissolving magnesium phytate in an acid, mixing the solution with an aqueous starch slurry, neutralizing the starch milk to a pH range of 5 to 8 to effect precipitation of the phytate on the starch, and thereafter dewatering and drying the starch.

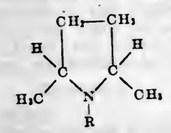
2,497,839

1-ALKYL-2,5-DIMETHYLPYRROLIDINES

Anderson W. Ralston, Chicago, and James Harwood, Western Springs, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 16, 1944, Serial No. 526,811
5 Claims. (Cl. 260—313)

1. A compound of the group consisting of 1-aliphatic-2,5-dimethylpyrrolidines of the general formula



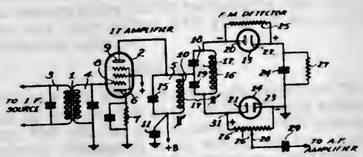
where R is a straight chain aliphatic radical containing at least 12 carbon atoms and salts thereof.

2,497,840

ANGLE MODULATION DETECTOR

Stuart W. Seeley, Roslyn Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 14, 1945, Serial No. 599,343
34 Claims. (Cl. 250—27)



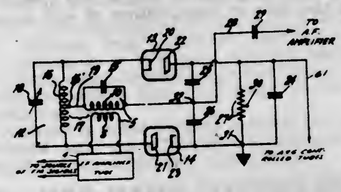
1. In a detector for angle modulated waves, a pair of rectifiers arranged in a closed loop in like current-flowing sense, a respective load resistor operatively associated with each rectifier, means for combining the rectified direct current potentials across said resistors in series-aiding polarity, and means for maintaining the sum of the two rectified potentials across said resistors against modulation frequency variations.

2,497,841

ANGLE MODULATION DETECTOR

Stuart W. Seeley, Roslyn Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application September 7, 1945, Serial No. 614,956
31 Claims. (Cl. 250—27)



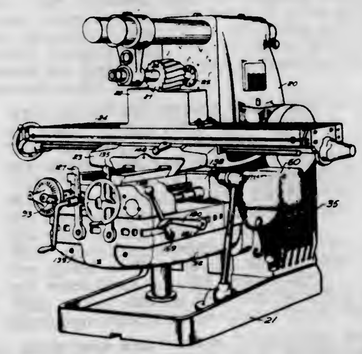
1. In combination with a source of angle modulated carrier waves, electrical circuit elements for deriving from the source of waves a pair of signal voltages whose relative magnitudes are dependent upon the angular modulations of the waves, at least two rectifiers, electrical circuit elements for applying each of said pair of voltages to a respective rectifier, additional circuit elements acting with said rectifiers and said first and second mentioned circuit elements to provide a single direct current path which carries substantially all the direct current which flows through either rectifier, and connections to said electrical circuit elements for deriving modulation frequency voltages therefrom.

2,497,842

MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM

Joseph B. Armitage and Theodore F. Eserkaln, Wauwatosa, and Theodore A. Wetzel, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application January 22, 1944, Serial No. 519,366
28 Claims. (Cl. 90—18)



1. In a milling machine of the type having a column, a knee movably mounted on said column, a work supporting table movably mounted on said knee, an electric motor carried by said knee and operatively connected to actuate said table, a cutter carrying spindle rotatably mounted in said column, a transmission mechanism of the adjustable speed type operatively connected to drive

said spindle, another electric motor operatively connected to drive said spindle transmission mechanism, a source of electric power connected to operate said motors, control means arranged to energize said spindle motor momentarily for actuating said transmission mechanism to facilitate its adjustment, time limiting means associated with said control means and operative to limit the time of energization of said motor to prevent operation of said transmission mechanism at excessive speed during adjustment, electrical switching means operable to effect reversal of the direction of rotation of said spindle driving motor for reversing said spindle, and switching means operative upon a reversing movement of said reversing switch to disconnect both of said motors from said source of power to obviate unintentional reversal of said spindle.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

606,278. METHOD OF PREPARING STARCH-CONTAINING COATING COMPOSITIONS. William L. Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York. Filed July 20, 1945. Published Feb. 14, 1950. Class 106—213. No drawings.

This application is for a method of preparing starch sizing solutions and coating colors, in which raw starch is converted by the action of an amylolytic enzyme in the presence of an approximately neutral aqueous medium having a pH of 6.5–7.5 and the enzyme is inactivated when the desired conversion of the starch has been obtained by incorporating in the coating composition an amount of a soluble metallic salt sufficient to inactivate the enzyme, but insufficient materially to increase the viscosity of the coating composition. Copper salts, and particularly copper sulfate, have been found particularly advantageous. Other metal salts which may be used include mercuric chloride, zinc acetate, stannic chloride, ferric sulfate, cupric nitrate, cupric acetate, aluminum sulfate and titanium trichloride. In general, the amount of salt should not exceed that which will reduce the pH of the coating composition to about 3, or more advantageously 3.5. Usually when copper sulfate is used the amount, by weight, is advantageously approximately equal to the amount of enzyme initially incorporated in the composition. Also, when copper salts are used, the amount should preferably not exceed that which will reduce the pH of the coating composition to from 4.7 to 5.3.

Example 1

840.	grams Water
0.896	grams Tetra sodium pyrophosphate
2.24	grams Sodium silicate
448.	grams Coating clay
112.	grams Corn starch
0.84	grams Liquefying enzyme
2.0	grams Soluble pine oil

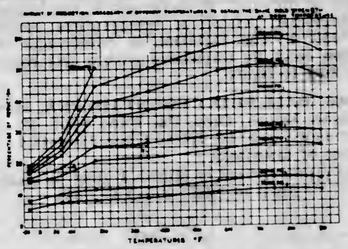
The constituents were added to the water enumerated in the order listed while continuously stirring the mixture. While continuing the stirring, the mixture was then heated to 170° F. and held at this temperature for 20 minutes. During the next ten minutes the mixture was cooled to room temperature while continuing the stirring. There was then added 0.84 gram of an enzyme-inactivating agent.

Example 2

300 grams of corn starch were dispersed in 900 grams of water. 0.3 gram of borax was added to adjust the pH to about neutral. 3.0 grams of liquefying enzyme (1% by weight on the starch) were then added and the resulting mixture was heated to 170° F. The mixture was held at this temperature for 15 minutes while stirring the mixture throughout the heating operation. At this point 3.0 grams of an enzyme-inactivating agent were added. Immediately after the addition of the enzyme-inactivating agent the pH values of the starch solution was determined and the solution was held at 170° F. for 5 minutes. All of the starch solutions then were cooled to room temperature. Immediately after cooling, all of the starch solutions were tested for percentage of sugar content by a Fehling's solution method. The starch solutions were then kept at room temperature for several hours and again tested for percentage of sugar.

No increase in sugar content between the first and second sugar determinations shows that the enzyme has been effectively inactivated.

608,872. COLD ROLLED STAINLESS STEEL HAVING SUBSTANTIALLY UNIFORM MECHANICAL PROPERTIES AND METHOD OF MAKING SAME. Rush A. Lincoln, Tarentum, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania. Filed Aug. 4, 1945. Published Feb. 14, 1950. Class 148—12. Four sheets of drawings.



Procedure for processing certain stainless steels which are normally of unstable austenitic structure at room temperatures, so as to closely control their physical properties and render them of stable austenitic structure at room temperatures and highly resistant to intergranular corrosion. The stainless steels in question include a nickel content within the range of from about 5.90% to about 7.25% and a chromium content generally ranging from 17% to about 21%, but in which the specific relationship between chromium and nickel is as follows:

1. With chromium ranging from 18% to 19% the nickel should range from 6.20% to 7%;
2. With chromium ranging from 19% to 21%, the nickel must not exceed 6.9—½ (% Cr. —19), but must always be in excess of 5.90%;
3. With nickel ranging from 5.90% to 6.20% the chromium should be less than 19% but not less than 18+6.20—% Ni.);
4. With chromium ranging from 17% to 18% the nickel content should be less than 7% but more than 6.2+0.8 (18—% Cr.);
5. With nickel ranging from 7% to 7.25% the chromium should range from 17% to 18.5%.

Such steels may also contain from about 0.40% to about 0.70% manganese, from about 0.30% to about 0.50% silicon, with normal amounts of phosphorus and sulphur and with the carbon ranging from about 0.08% to about 0.15%.

The procedure consists in hot and cold rolling the steel in accordance with usual practice to a gauge in excess of the final gauge. It is then given a final anneal at a temperature within the range of 1975° F. to 2050° F. and pickled. The

final cold reduction is carried on at a temperature substantially above normal cold rolling temperatures and preferably within the range of 200° F. The amount of final reduction will determine the physical properties of the steel and where each final reduction is accomplished at some specific rolling temperature within the range designated, slight variations in rolling temperature or in the percentage of reduction will not occasion material variation in the physical properties of the finished steel. In addition steels rolled at such elevated temperatures will have the same yield points, lower tensile strengths and greater percentages of elongation than the same steels subjected to a final cold reduction under normal cold rolling conditions.

The accompanying graph discloses the effect on yield strength at room temperatures, of rolling the material at different temperatures. A reference to the curves representing yield strengths of 110,000 p. s. i. and 120,000 p. s. i. and particularly the rectangles X and Y located between those curves, makes it apparent that in order to obtain a yield strength within the range designated by the two curves the percentage of reduction must be within the limits of 17.5% and 19% if the reduction is accomplished within the temperature range of 75°–100° F., whereas if the rolling is accomplished within a temperature range of 250°–350° F. the variation in percentage of reduction may lie anywhere within the range of from 23% to 26.5%.

615,908. **BALL POINT FOUNTAIN PEN.** Howard Nelson Moore, Oley, Pa. Filed Sept. 12, 1945. Published Feb. 14, 1950. Class 120—42.4. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

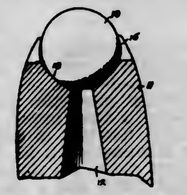
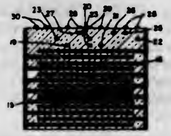


Fig. 1 illustrates means for mounting the rotating ball of a ball-type fountain pen. Housing 11 is provided with a mounting socket 13 in which ball 10 is rotatably mounted. The smooth surface of socket 13 has variable radii of curvature. That portion of the surface of the socket 13 adjacent capillary feed channel 12 has a radius of curvature that is less than the radius of ball 10, while that portion of the surface of socket 13, further removed from channel 12, has a radius of curvature that is greater than the radius of ball 10. As a result of the shape of socket 13, balls with a relatively wide variation in their diameters may be satisfactorily used.

A plurality of spring arms 15 are formed in the outer end of housing 11 by narrow slots. Ball 10 is preferably sprung into position after arms 15 are pressed into shape.

Housing 11 is a strong permanent magnet which is able to hold ball 10 within socket 13. In order to better control stray flux, housing 11 is split in half forming a pair of magnets. One of the magnets has its north pole adjacent ball 10, while the other magnet has its south pole adjacent the ball. The magnetic flux, then, is primarily through ball 10.

716,984. **ELECTRICAL APPARATUS.** Walter V. Patton, Matawan, N. J., Charles L. Petze, Jr., New Castle, Del., and Campbell Robertson, Westfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware. Filed Dec. 18, 1946. Published Feb. 14, 1950. Class 175—298. Four sheets of drawings.



This application discloses a monolithic, fused, vitreous enamel block containing conducting elements embedded therein.

Current in electrical apparatus such as radios, telephones, hearing aids, wave filters, and many other similar circuits is amply conducted by relatively narrow and extremely thin strips of heat-coalesced silver particles having a width of the order of 0.03125 to 0.25 inch and a thickness within the range 0.0001 inch to 0.02 inch. These thin layers forming components and connectors for the system are embedded in a plurality of parallel, spaced planes in the vitreous enamel block. These conducting layers of different planes cross and recross each other, without noticeable humps or unevennesses appearing on the external surfaces of the fused, vitreous enamel block.

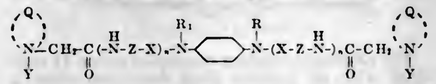
In constructing the device a layer of finely divided, vitreous enamel, suspended in a suitable vehicle, is applied on a smooth, heat-resistant surface such as a metal surface. The enamel layer is dried to a point where a design of the current conducting material can be printed or squeegeed with a screen stencil on the surface of the enamel layer. The desired design of the current conducting material composed of finely divided silver in a suitable vehicle is then applied by printing or squeegeeing lines or narrow strips thereof on the surface of the enamel layer. Another layer of enamel is applied over the design of current conducting material after which another different design of current conducting material is applied over the second layer of vitreous dielectric material. As many alternate layers of vitreous enamel and different designs of current conducting material may thus be applied as may be desired to form the various units and connections for them in an electrical circuit. Preferably, the current conducting strips are exposed at given predetermined points on the peripheral edge of the block. The blocks are then baked to remove the liquid vehicle from the enamel and silver layers. In order to ensure good electrical connections with the embedded silver layers, an additional amount of the silver current conducting material in a paint or paste form is then applied at the several points of the periphery where the current conducting elements are exposed. The blocks built up in this manner are then fired to fuse the enamel and cause the silver particles to coalesce into continuous, unbroken, current conducting strips or layers. The blocks, after they have become sufficiently strong to permit handling, may be transferred from one supporting surface to another for the purpose of baking or firing them.

The electrical apparatus can then be completed by making an electrical connection between the terminals of the electrical components, for example, resistances, condensers, vacuum tube sockets, inductances or impedances, and the terminals of the current conducting elements located at the peripheral edge of the block. The terminals of the current conducting elements may be exposed at the inner peripheral edge of a hole in the block, if desired. Furthermore, simple electrical components, for example, condensers, resistances, and inductances may be formed between layers of the vitreous dielectric material and the terminals of the current conducting elements connected directly thereto between the layers of dielectric without exposing the terminals of the current conducting elements at the periphery of the block.

The figure illustrated shows a highly magnified cross-section of a monolithic enamel block showing current conducting elements and condenser electrodes embedded within and on the surface of the block.

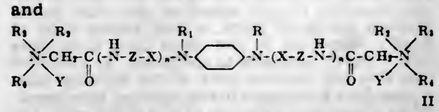
717,798. **SURFACE-ACTIVE COMPOUNDS CONTAINING A PARA PHENYLENEDIAMINE NUCLEUS.** Charles F. H. Allen and Charles V. Wilson, Rochester, N. Y. Filed Dec. 21, 1946. Published Feb. 14, 1950. Class 260—295. No drawing.

The subject matter of this application relates to compounds having the general formulas:



I

and



II

wherein R, R_1, R_2 and R_3 each represents an alkyl group having 1 to 2 carbon atoms, R_4 represents a long chain primary alkyl group or a benzyl group, X represents a carbonyl group, a sulfonyl group or a



group joined through its oxygen atom having a free valence bond to a nuclear carbon atom of the member Z, Y represents an anion, Z represents a monocyclic benzene nucleus or a naphthalene nucleus containing but one naphthalene ring, Q represents the nonmetallic atoms necessary to complete a heterocyclic nucleus containing from 5 to 6 atoms in the ring and n represents 0 or 1. These compounds are useful as surface-active agents. Some of them are likewise useful as supersensitizers in photographic emulsions.

Typical of the above compounds are N,N'-dimethyl-p-phenylenediamine-N,N'-diacetyl pyridinium chloride; N,N'-dimethyl-N,N'-di-(3-acetylaminobenzenesulfonyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(4-acetylaminobenzoyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(4-acetylaminobenzene sulfonyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(4-acetylamino-2-sulfobenzoyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(4-acetylaminophenoxyacetyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(1-acetylamino-2-naphthoxyacetyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(2-acetylamino-3-naphthoyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-cetylamine form of N,N'-dimethyl-N,N'-dichloroacetyl-p-phenylenediamine; N,N'-dimethyl-p-phenylenediamine-N,N'-diacetylpyridinium chloride; N,N'-dimethyl-p-phenylenediamine-N,N'-diacetyl) 2,4-dimethyl) thiazolium chloride; N,N'-dimethyl-N,N'-di-[3-acetylaminobenzenesulfonyl (2-methyl-4-phenyl) selenazolium chloride]-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(4-acetylamino-3-sulfo-benzoyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(1-acetylamino-5-naphthalenesulfonyl pyridinium chloride)-p-phenylenediamine; N,N'-dimethyl-N,N'-di-(4-acetylamino-3-sulfo-benzenesulfonyl pyridinium chloride)-p-phenylenediamine. Other compounds are specifically disclosed. The first-named compound, for example, is a nicely-crystallizing solid and acts as a supersensitizer in photographic emulsions.

Y can be an anion such as, for example, a chloride ion, a bromide ion, an iodide ion, a perchlorate ion or an acetate ion. Ordinarily Y is a chloride ion. Compounds containing the bromide ion, the iodide ion, the perchlorate ion and the acetate ion can be introduced by treating compounds containing a chloride ion with potassium bromide, potassium iodide, sodium perchlorate and silver acetate, respectively. Lead acetate can also be used to introduce the acetate ion.

Compounds that can be used to introduce the heterocyclic nucleus represented by



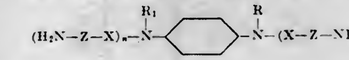
of Formula I include, for example, pyridine, α-picoline; β-picoline, γ-picoline, 2,4-dimethylpyridine, 3,4-dimethylpyridine, 2-methyl-4-phenyloxazole, 2,5-diphenyloxazole, thiazole, 2,4-dimethylthiazole, 2-methyl-4-phenylthiazole, 2-methyl-4-phenylselenazole, quinoline, 2-methylquinoline, and lepidine.

Tertiary amines that can be used to introduce the



grouping include, for example, N,N-dimethylcetylamine, N,N-diethylcetylamine, N,N-dimethyllaurylamine, N,N-dimethylmyristylamine, N,N-dimethyloctadecylamine, N,N-diethyloctadecylamine, N,N-dimethyldodecylamine, N,N-dimethylbenzylamine and N,N-diethylbenzylamine.

Compounds having the Formula I are prepared by reacting a compound having the formula:



III

wherein n, R, R_1, X and Z have the meaning previously assigned to them with a halogenoacetylhalide such as chloroacetylchloride and bromoacetylbromide. The compound thus obtained is, in turn, reacted with a tertiary heterocyclicamine of the character indicated hereinbefore to obtain a compound represented by Formula I and in which Y is a chloride ion or a bromide ion. The anion Y may be varied in the manner previously described.

Compounds having the general Formula II are prepared by reacting a compound having the Formula III with a halogenoacetylhalide such as chloroacetylchloride and bromoacetylbromide.

The compound thus obtained is, in turn, reacted with a tertiary amine having the formula:



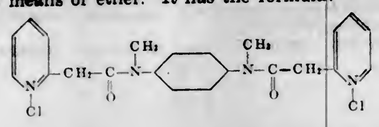
wherein R_2, R_3 and R_4 have the meaning previously assigned to them to obtain a compound represented by Formula II and in which Y is a chloride ion or a bromide ion. The manner of varying the anion Y has been previously described.

An example of how the compounds of the application are prepared is:

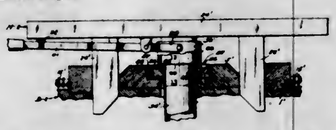
N,N'-dimethyl-p-phenylenediamine-N,N'-diacetyl-pyridinium chloride

A mixture of 31.6 grams (0.1 mole) of N,N'-dimethyl-p-phenylenediamine dioxalate and 42.4 grams (0.4 mole) of sodium carbonate in 300 cc. of water is treated gradually with 40 grams (0.35 mole) of chloroacetyl chloride. The temperature rises and carbon dioxide is evolved. The reaction mixture is stirred for two hours after the addition of the chloroacetyl chloride and the solid that is formed is collected on a filter and dried. There is thus obtained about 30 grams of N,N'-dimethyl-N,N'-dichloroacetyl-p-phenylenediamine.

The pyridinium chloride forms easily by merely dissolving the N,N'-dimethyl-N,N'-dichloroacetyl-p-phenylenediamine in pyridine by warming. Shortly after solution results the salt begins to separate and the reaction mixture finally sets to a solid mass. The salt is collected by diluting the mixture with acetone, filtering to collect the salt on the filter, and washing with acetone. It is soluble in methyl alcohol and water but insoluble in ether. The salt was purified by reprecipitating it from a methyl alcohol solution by means of ether. It has the formula:



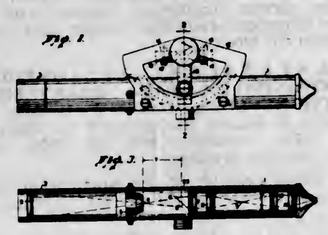
722,180. **METHOD OF AND APPARATUS FOR COINING FLANGES OF TUBES.** John B. Adler, Lincoln Park, Mich., assignor to the United States of America as represented by the Secretary of War. Filed Jan. 15, 1947. Published Feb. 14, 1950. Class 78—63. Five sheets of drawings.



Apparatus for coining and trimming a flange on a tube comprising a mandrel 34' for insertion into the tube, a pair of coining dies 86 having semicircular coining surfaces mounted for reciprocation toward and away from the end of the positioned tube to reduce the wall thickness of the tube a short distance from the end thereof by extrusion of tube material between the semicircular die surfaces and the mandrel, and a flange coining block 93 movable with the mandrel so that on continued movement of the mandrel into the tube subsequent to the completed coining motion of said dies, the end of the tube is engaged between the common flat upper surfaces (top of 88) of the engaged dies 86 and the flange coining block 93 to produce a coined flange on the tube; the trimmer comprising a coaxial trimming cutter 89 mounted on the flange coining block and reciprocable thereon by lever 91, and a complementary well 96 formed in the upper flat surfaces of said engaged coining dies to receive the cutter and the trimmed portion of flange material.

724,215. **TELESCOPIC ABNEY HAND LEVEL.** Robert L. Hughes, Albuquerque, N. Mex. Filed Jan. 24, 1947. Published Feb. 14, 1950. Class 88—2.2. Two sheets of drawings.

(Filed under the act of Mar. 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757)

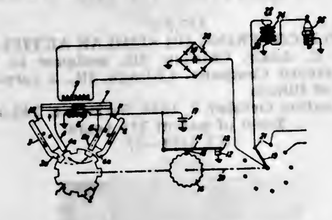


The clinometer system comprises frame 12 provided with an arcuate scale described about a pivot point, an index arm 13 for said scale pivotally mounted to turn about an axis that passes through the pivot point, a level bubble tube 19 fixedly supported by the index arm, a sighting tube 1 rigidly attached to the frame, an objective lens 2 in the forward part of the sighting tube, a cross hair 4 mounted in the sighting tube parallel to the axis of rotation of the index arm, the objective lens being mounted for focusing on the cross hair, an erector lens system through which pass the light rays from the cross hair and which produces an erect objective image, a forward lens 7 of the erector system having its principal focal point at the cross hair, an eyepiece having a lens 10 for focusing upon the erect objective image, said sighting tube having an aperture 23 in its side wall to receive light rays from the bubble tube, said aperture being between the cross hair and the said forward lens of the erector system, a right angled prism 8 in the tube positioned with its diagonal face toward the cross hair and positioned to receive the rays from the bubble tube through one of its sides and to deflect them into the erector lens through a second side, the distance from the center of the diagonal face to the cross hair being substantially the same as the distance from the center of the diagonal face to the center of the bubble tube.

728,870. **IGNITION SYSTEM.** Edward F. Wargin, San Anselmo, Calif., and Arthur W. Robinson, Jr., Schenectady, N. Y., assignors to General Electric Co., a corporation of New York. Filed Feb. 15, 1947. Published Feb. 14, 1950. Class 315—209. One sheet of drawings.

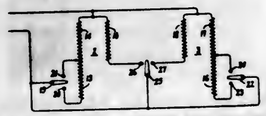
Discloses ignition apparatus wherein the electrical power is supplied by an inductor type of magneto which produces successive energy impulses of alternate polarity. The magneto is arranged so that as rotor 1 rotates, the flux produced by the permanent magnets 10 and 11 is switched so that it threads the core 7 in periodically reversing direction, whereby voltages of alternating polarity are induced in the core windings 8 and 9. These voltages are rectified by rectifiers 26 and stored in condenser 18.

The number of magneto lobes 2 are chosen so that the condenser 18 will receive a plurality of impulses during the period between discharge positions of the rotor 19.



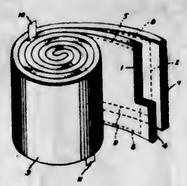
The rotor 1, cam 16 and distributor rotor 19 may therefore be connected to rotate in unison on a common shaft, for example at half engine speed, whereby even for an engine having an odd number of cylinders, the firing voltage will be the discharge of successively stored impulses.

776,092. **HEATING SYSTEM.** Homer H. Miller, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York. Filed Sept. 25, 1947. Published Feb. 14, 1950. Class 219—20. One sheet of drawings.



The disclosure in this application relates to control circuits for the heating elements in a double unit hotplate, designed to prevent overloading of the electric supply system. The hotplate units 2 and 3 have one or more principal heating elements such as 13 and 14 or 16 and 17 for each unit, controlled by switches 19 and 22, one for each unit. Each unit also has an additional heating element, 15 for unit 2 and 18 for unit 3, and a single control switch 25 common to both of the additional elements for energizing one or the other of the additional elements, but not both at the same time. Thus, at no time will any possible combination of switch settings allow the power consumption by the entire double hotplate to exceed a fixed maximum, which is less than the aggregate amount of the maximum ratings of all the elements in both hotplates. A modification shows a series connection instead of a parallel connection between the principal and additional heating elements in each hotplate unit.

776,482. **MINIATURE HIGH VOLTAGE CAPACITOR.** Benjamin H. Goldy and Levin W. Foster, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed Sept. 27, 1947. Published Feb. 14, 1950. Class 175—41. One sheet of drawings.

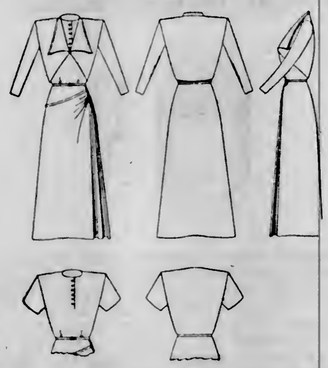


A compact rolled capacitor body of minimum axial length comprising a plurality of conducting foils and individual sheets of dielectric material respectively folded about the foils so that a longitudinal edge of a foil of given polarity is completely enveloped by a single dielectric sheet which otherwise extends beyond the opposite longitudinal edge of the foil. Separate single sheets of dielectric material are respectively folded about alternate foils of opposite polarity in a similar manner except that the enveloped longitudinal edges thereof are so positioned as to be oppositely disposed with respect to the enveloped edges of adjacent foils. A pair of tap straps of conducting material, in conductive engagement respectively with foils of opposite polarity and extending past the unenveloped edges thereof beyond the rolled capacitor body in an axial direction, serve to electrically connect the body to a pair of outside terminals mounted on a capacitor case or enclosure.

DESIGNS

FEBRUARY 14, 1950

157,227
DRESS ENSEMBLE
Miriam Abrams, New York, N. Y., assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y., a corporation of New York
Application November 10, 1949, Serial No. 5,966
Term of patent 3½ years
(Cl. D3—26)



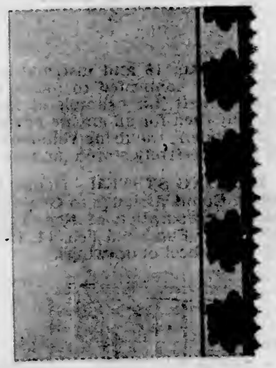
The ornamental design for a dress ensemble, substantially as shown.

157,228
SHELF COVERING OR SIMILAR ARTICLE
James E. Adair, Chicago, Ill., assignor to The Meyercord Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1948, Serial No. 149,013
Term of patent 3½ years
(Cl. D59—2)



The ornamental design for a shelf covering or similar article, substantially as shown.

157,229
SHELF COVERING OR SIMILAR ARTICLE
James E. Adair, Chicago, Ill., assignor to The Meyercord Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1948, Serial No. 149,017
Term of patent 3½ years
(Cl. D59—2)



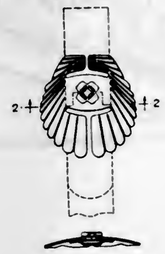
The ornamental design for a shelf covering or similar article, substantially as shown.

157,230
SHELF COVERING OR SIMILAR ARTICLE
James E. Adair, Chicago, Ill., assignor to The Meyercord Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1948, Serial No. 149,018
Term of patent 3½ years
(Cl. D59—2)



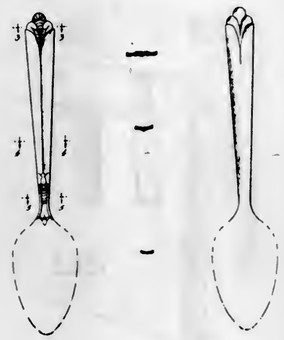
The ornamental design for a shelf covering or similar article, substantially as shown.

157,231
STRAP FASTENER
Fred W. Andrews, Dover, Del., assignor to International Latex Corporation, Dover, Del., a corporation of Delaware
Application January 3, 1949, Serial No. 37
Term of patent 14 years
(Cl. D17—3)



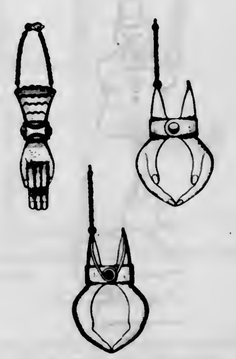
The ornamental design for a strap fastener, substantially as shown and described.

157,232
SPOON OR SIMILAR ARTICLE OF FLATWARE
Milton Bernstein, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application January 21, 1949, Serial No. 366
Term of patent 14 years
(Cl. D54—12)



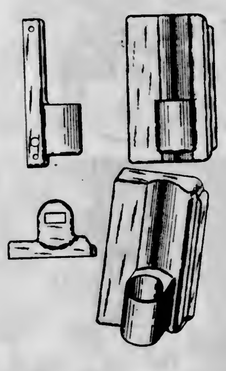
The ornamental design for a spoon or similar article of flatware, as shown and described.

157,233
GLOVE HOLDING ATTACHMENT FOR HANDBAGS
Gertrude Bloom and Israel Bloom, New York, N. Y.
Application September 22, 1949, Serial No. 5,130
Term of patent 14 years
(Cl. D87—2)



The ornamental design for a glove holding attachment for handbags, substantially as shown.

157,234
BRACKET LIGHTING FIXTURE
Merton B. Briggs, Cincinnati, Ohio, assignor to The Grote Manufacturing Company, Bellevue, Ky., a corporation of Kentucky
Application October 8, 1948, Serial No. 149,036
Term of patent 3½ years
(Cl. D48—4)



The ornamental design for a bracket lighting fixture, as shown.

157,235
ARTICLE HOLDING FIGURINE
Bertram M. Brown, Providence, R. I.
Application November 27, 1948, Serial No. 149,855
Term of patent 14 years
(Cl. D29—23)



The ornamental design for an article holding figurine, substantially as shown.

157,236
COMBINED MIRROR AND LAMP
Anthony Breznya, Irvington, N. J.
Application February 16, 1949, Serial No. 898
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a combined mirror and lamp, as shown.

157,237
LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application October 20, 1949, Serial No. 5,604
Term of patent 7 years
(Cl. D45—16)



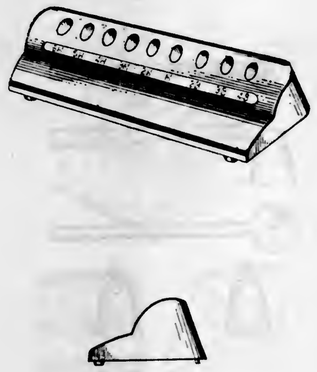
The ornamental design for a link chain for a bracelet or similar article, substantially as shown and described.

157,238
PERFUME ATOMIZER OR SIMILAR ARTICLE
William A. Cotter, New York, N. Y., assignor to Cotter Manufacturing Co., Inc., New York, N. Y.
Application December 26, 1947, Serial No. 143,357
Term of patent 14 years
(Cl. D83—1)



The ornamental design for a perfume atomizer or similar article, as shown.

157,239
PENCIL RACK
Clarence E. Crawford, Flint, Mich., assignor to Living Designs, Grand Blanc, Mich., a partnership
Application May 19, 1948, Serial No. 146,467
Term of patent 14 years
(Cl. D74—17)



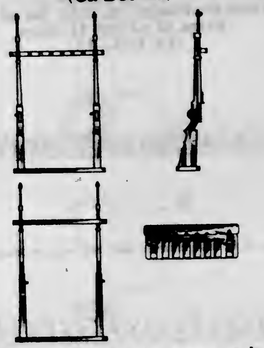
The ornamental design for a pencil rack, substantially as shown and described.

157,240
DISHWASHER CABINET OR THE LIKE
Elmer H. Daniels, Pasadena, Calif., assignor to Kaiser Fleetwings, Inc., Oakland, Calif., a corporation of California
Application September 19, 1947, Serial No. 141,492
Term of patent 3½ years
(Cl. D49—1)



The ornamental design for a dishwasher cabinet or the like, substantially as shown and described.

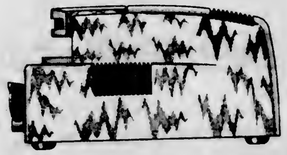
157,241
GUN RACK
Albert Del Peso, New York, N. Y.
Application February 14, 1948, Serial No. 144,502
Term of patent 14 years
(Cl. D80—9)

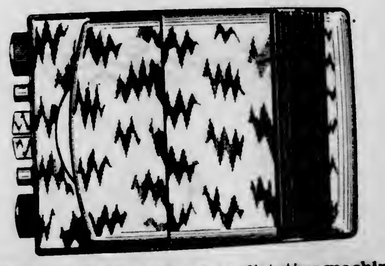


The ornamental design for a gun rack, substantially as shown.

157,242
DICTATING MACHINE CABINET
Anthony C. De Napoli, Jr., Windsor, Conn., and Raymond Spilman, Yonkers, N. Y., assignors to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut
Application August 26, 1949, Serial No. 4,702
Term of patent 14 years
(Cl. D26—14)

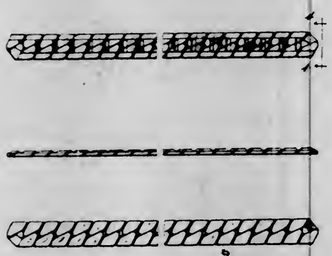






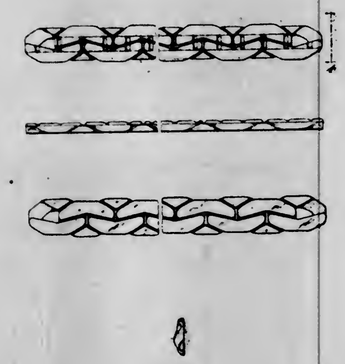
The ornamental design for a dictating machine cabinet, as shown.

157,243
CHAIN FOR A NECKLACE OR SIMILAR ARTICLE
Frederick A. Dieterich, Maplewood, N. J., assignor to Universal Chain Co. Inc., Maplewood, N. J., a corporation of Rhode Island
Application September 21, 1949, Serial No. 5,122
Term of patent 14 years
(Cl. D45—16)



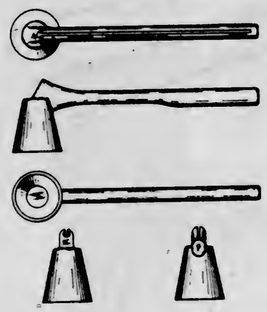
The ornamental design for a chain for a necklace or similar article, as shown.

157,244
CHAIN FOR A NECKLACE OR SIMILAR ARTICLE
Frederick A. Dieterich, Maplewood, N. J., assignor to Universal Chain Co. Inc., Maplewood, N. J., a corporation of Rhode Island
Application September 21, 1949, Serial No. 5,124
Term of patent 14 years
(Cl. D45—16)



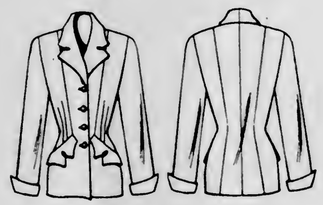
The ornamental design for a chain for a necklace or similar article, as shown.

157,245
COMBINED CANDLE SNUFFER AND LIGHTER
William Gifford Egle, Syracuse, N. Y.
Application April 28, 1949, Serial No. 2,327
Term of patent 7 years
(Cl. D48—2)



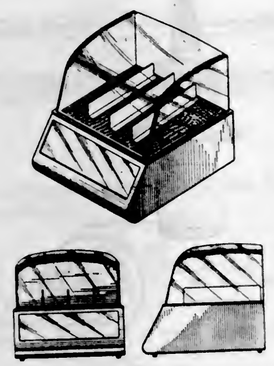
The ornamental design for a combined candle snuffer and lighter, substantially as shown.

157,246
JACKET
Simon Etkin, New York, N. Y.
Application August 18, 1949, Serial No. 4,592
Term of patent 3½ years
(Cl. D3—4)



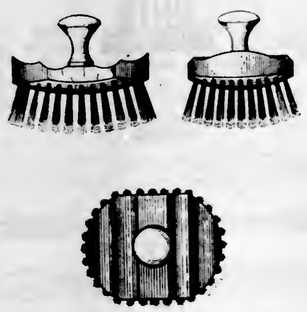
The ornamental design for a jacket, substantially as shown.

157,247
DISPLAY CABINET
Jack Evans, Chicago, Ill., assignor to Century Display Mfg. Co. Inc., Chicago, Ill., a corporation of Illinois
Application December 22, 1948, Serial No. 150,316
Term of patent 7 years
(Cl. D80—11)



The ornamental design for a display cabinet, substantially as shown.

157,248
HAIRBRUSH
Kenneth C. Fay, New York, N. Y., assignor to Parfumerie De Raymond, New York, N. Y., a firm
Application March 3, 1949, Serial No. 1,178
Term of patent 7 years
(Cl. D86—10)



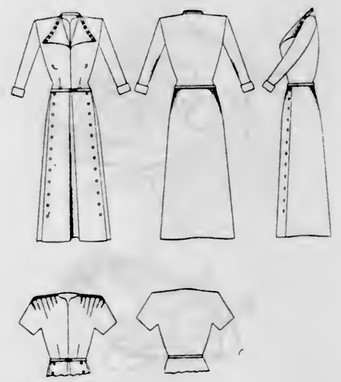
The ornamental design for a hair brush, substantially as shown.

157,249
CHILD'S SPOON
Gerald K. Geerlings, New Canaan, Conn.
Application October 19, 1948, Serial No. 149,185
Term of patent 14 years
(Cl. D44—29)



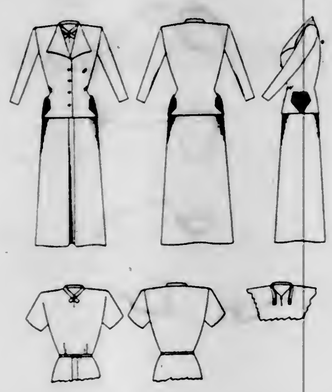
The ornamental design for a child's spoon, as shown.

157,250
DRESS ENSEMBLE
Bertha Geffen, New York, N. Y., assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y., a corporation of New York
Application November 10, 1949, Serial No. 5,971
Term of patent 3½ years
(Cl. D3—26)



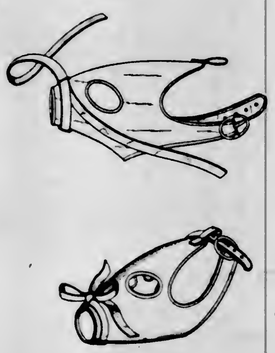
The ornamental design for a dress ensemble, substantially as shown.

157,251
DRESS ENSEMBLE
Bertha Geffen, New York, N. Y., assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y., a corporation of New York
Application November 10, 1949, Serial No. 5,972
Term of patent 3½ years
(Cl. D2—26)



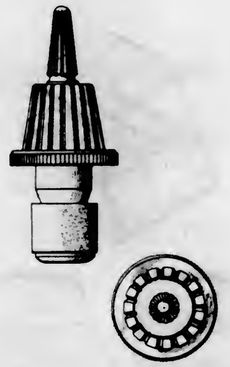
The ornamental design for a dress ensemble, substantially as shown.

157,252
DOG MUZZLE OR SIMILAR ARTICLE
Hermine Goldberg, Omaha, Nebr., assignor of one-half to Ralph D. Goldberg, Omaha, Nebr.
Application March 13, 1948, Serial No. 145,063
Term of patent 14 years
(Cl. D38—6)



The ornamental design for a dog muzzle or similar article, substantially as shown and described.

157,253
BOTTLE STOPPER
Paul R. Gruber, Waterbury, Conn.
Application October 28, 1946, Serial No. 134,330
Term of patent 7 years
(Cl. D58—10)



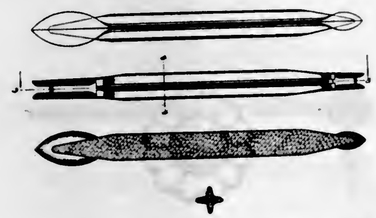
The ornamental design for a bottle stopper, as shown.

157,254
BOTTLE STOPPER
Paul R. Gruber, Waterbury, Conn.
Application October 28, 1946, Serial No. 134,331
Term of patent 7 years
(Cl. D58—10)



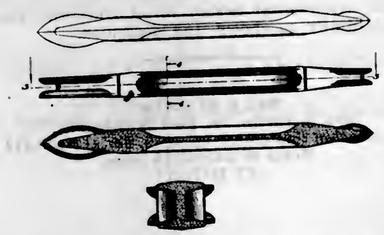
The ornamental design for a bottle stopper, as shown.

157,255
FISHHOOK DISGORGER
Lewis E. Hamel, Rochester, N. Y., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y., a corporation of New York
Application December 11, 1948, Serial No. 150,106
Term of patent 14 years
(Cl. D31—4)



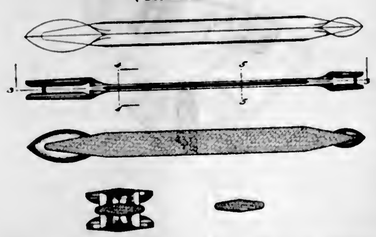
The ornamental design for a fish hook disgorger, as shown.

157,256
FISHHOOK DISGORGER
Lewis E. Hamel, Rochester, N. Y., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y., a corporation of New York
Application February 2, 1949, Serial No. 622
Term of patent 3½ years
(Cl. D31—4)



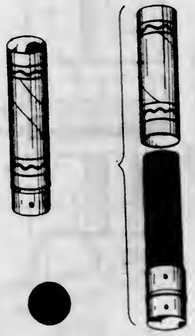
The ornamental design for a fishhook disgorger, as shown.

157,257
FISHHOOK DISGORGER
Lewis E. Hamel, Rochester, N. Y., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y., a corporation of New York
Application February 2, 1949, Serial No. 623
Term of patent 3½ years
(Cl. D31—4)



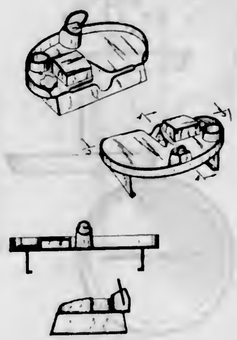
The ornamental design for a fishhook disgorger, as shown.

157,258
COMBINATION SUEDE BRUSH AND CONTAINER THEREFOR
Ira Hertzberg, Yonkers, N. Y., assignor to H. Hertzberg & Son, Inc., New York, N. Y., a corporation of New York
Application December 14, 1948, Serial No. 150,158
Term of patent 7 years
(Cl. D9—2)



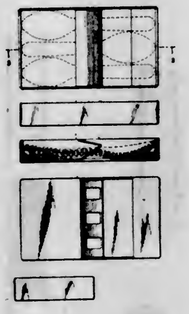
The ornamental design for a combination suede brush and container therefor, substantially as shown.

157,259
NURSERY UTILITY TRAY
David Honig, Brooklyn, N. Y.
Application October 23, 1948, Serial No. 149,259
Term of patent 7 years
(Cl. D4—3)



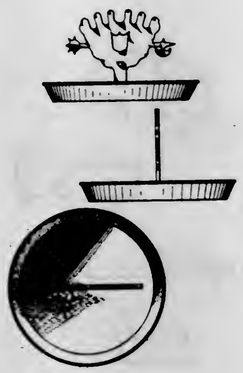
The ornamental design for a nursery utility tray, as shown.

157,260
DISPLAY CARTON
Gerald P. Hull and George S. Shields, Tupper Lake, N. Y.
Application January 17, 1947, Serial No. 136,216
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a display carton, substantially as shown and described.

157,261
ASH TRAY
Albert W. Jefferis, Jr., North Hollywood, Calif., assignor to Jerene Jefferis, North Hollywood, Calif.
Application September 11, 1948, Serial No. 148,552
Term of patent 3½ years
(Cl. D85—2)



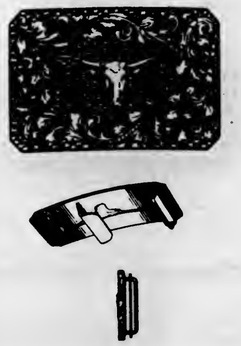
The ornamental design for an ash tray, as shown.

157,262
CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 12, 1948, Serial No. 146,324
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown and described.

157,263
BELT BUCKLE
John S. Justin, Jr., Fort Worth, Tex.
Application September 26, 1949, Serial No. 5,174
Term of patent 14 years
(Cl. D17—1)



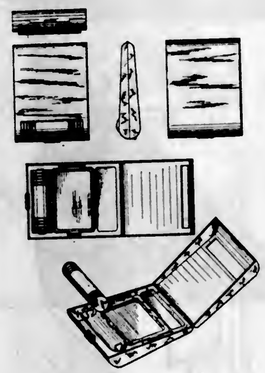
The ornamental design for a belt buckle, as shown.

157,264
NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 16, 1949, Serial No. 5,044
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

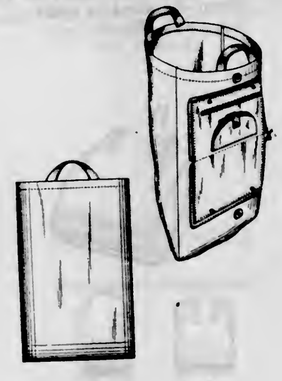
157,265
COMBINED VANITY CASE AND LIPSTICK HOLDER
Sol Kaufman, New York, N. Y.
Application March 22, 1948, Serial No. 145,259
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a combined vanity case and lipstick holder, substantially as shown.

157,266
COMBINED HANDBAG, SHOPPING BAG, AND MEMORANDA HOLDER
Jeanne Kiernan, New York, N. Y.
Application June 10, 1948, Serial No. 146,882
Term of patent 3½ years
(Cl. D87—3)





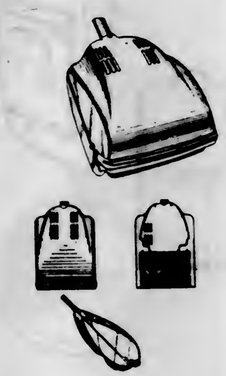
The ornamental design for a combined handbag, shopping bag, and memoranda holder, substantially as shown and described.

157,267
DESK INKWELL UNIT
Henry C. Klagges, Collingswood, N. J., and Harold E. Steinberg, Philadelphia, Pa., assignors to The Esterbrook Pen Company, Camden, N. J., a corporation of New Jersey
Application December 27, 1947, Serial No. 143,378
Term of patent 14 years
(Cl. D74—8)



The ornamental design for a desk inkwell unit, substantially as shown.

157,268
FLOOR POLISHER
Peter W. Lahr, Racine, Wis., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
Application June 12, 1948, Serial No. 146,927
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a floor polisher, as shown and described.

157,269
CHAIR
Joseph F. Laskewitz, St. Louis, Mo.
Application August 15, 1947, Serial No. 140,839
Term of patent 14 years
(Cl. D15—11)



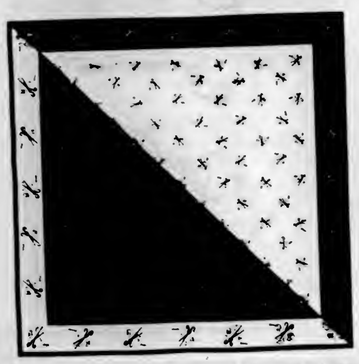
The ornamental design for a chair, substantially as shown.

157,270
ANIMATED DISPLAY DEVICE
Aubrey B. Leech, Los Angeles, Calif.
Application April 7, 1947, Serial No. 138,195
Term of patent 14 years
(Cl. D1—2)



The ornamental design for an animated display device, as shown and described.

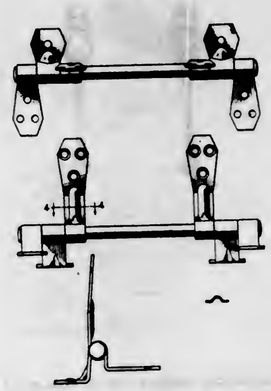
157,271
SCARF
Elsie M. Lewis, Rockville Centre, N. Y., assignor to Edgar C. Hyman Co., Inc., New York, N. Y., a corporation of New York
Application April 27, 1949, Serial No. 2,309
Term of patent 3½ years
(Cl. D3—12)





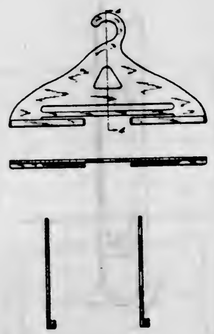
The ornamental design for a scarf, substantially as shown.

157,272
TOILET SEAT HINGE
Robert H. Lillyblad and Jacob A. Broersma, Grand Haven, Mich., assignors to American Brass Novelty Company, Grand Haven, Mich., a corporation of Michigan
Application June 28, 1948, Serial No. 147,246
Term of patent 14 years
(Cl. D4—5)



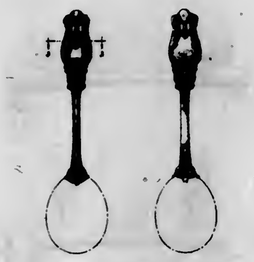
The ornamental design for a toilet seat hinge, substantially as shown.

157,273
COAT AND PANTS HANGER
Henry W. Lormor, Cleveland Heights, Ohio
Application September 22, 1948, Serial No. 148,700
Term of patent 7 years
(Cl. D80—8)



The ornamental design for a coat and pants hanger, substantially as shown.

157,274
SPOON OR SIMILAR ARTICLE OF FLATWARE
Allison R. Macomber, Taunton, Mass., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application November 25, 1949, Serial No. 6,247
Term of patent 14 years
(Cl. D54—12)



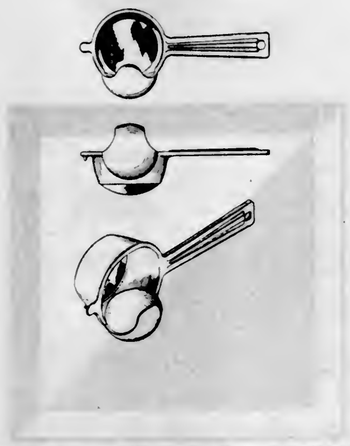
The ornamental design for a spoon or similar article of flatware, as shown and described.

157,275
SERVICE STATION WATER AND AIR DISPENSING COLUMN
Earnest E. Martin, Pasadena, Calif., assignor, by mesne assignments, to John Wood Manufacturing Company, Inc., New York, N. Y., a corporation of Delaware
Application June 18, 1948, Serial No. 147,043
Term of patent 14 years
(Cl. D52—2)



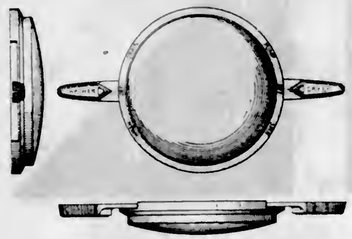
The ornamental design for a service station water and air dispensing column, substantially as shown and described.

157,276
COMBINATION LADLE AND STRAINER
John K. Mohr, Simi, Calif.
Application December 14, 1948, Serial No. 150,135
Term of patent 14 years
(Cl. D44—29)



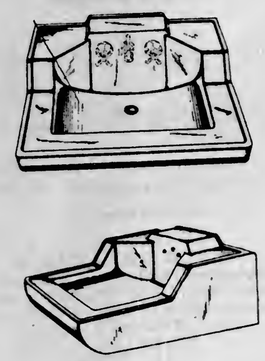
The ornamental design for a combination ladle and strainer, as shown.

157,277
CONTROL UNIT FOR WASHING MACHINES
Jack Morgan, Chicago, Ill., assignor to Automatic Washer Company, Newton, Iowa, a corporation of Delaware
Application May 29, 1948, Serial No. 146,691
Term of patent 7 years
(Cl. D49—1)



The ornamental design for a control unit for washing machines, substantially as shown and described.

157,278
SHELF LAVATORY
Peter Muller-Munk, Pittsburgh, Pa., assignor to Eljer Co., Ford City, Pa.
Application January 30, 1948, Serial No. 144,180
Term of patent 14 years
(Cl. D4—2)



The ornamental design for a shelf lavatory, as shown.

157,279
METER CASE FOR SELF-SERVICE GASOLINE PUMPS
Edward J. O'Toole, Burbank, Calif.
Application March 24, 1949, Serial No. 1,585
Term of patent 3½ years
(Cl. D52—2)



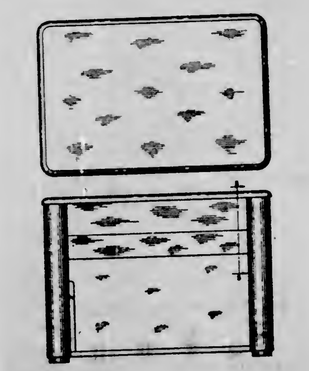
The ornamental design for a meter case for self-service gasoline pumps, as shown.

157,280
COMBINED HAND AND FOOT SUPPORT FOR USE IN APPLYING NAIL POLISH
Woodrow W. Pearce, Hollywood, Calif.
Application August 30, 1948, Serial No. 148,374
Term of patent 14 years
(Cl. D86—10)

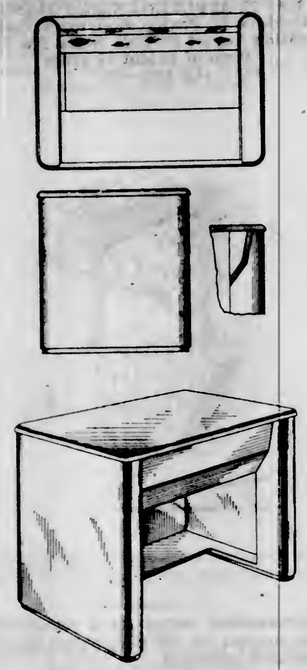


The ornamental design for a combined hand and foot support for use in applying nail polish, as shown and described.

157,281
CABINET FOR A MICROFILM RECORDER OR THE LIKE
Thomas R. Perzentka, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1947, Serial No. 143,337
Term of patent 14 years
(Cl. D33—19)



157,281—Continued



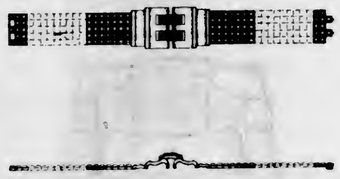
The ornamental design for a cabinet for a microfilm recorder or the like, as shown.

157,282
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 19, 1949, Serial No. 5,564
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

157,283
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 19, 1949, Serial No. 5,566
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

157,284
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 19, 1949, Serial No. 5,567
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

157,285
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 24, 1949, Serial No. 5,667
Term of patent 7 years
(Cl. D45—16)



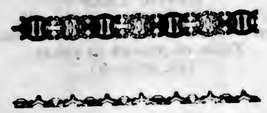
The ornamental design for a necklace or similar article, substantially as shown and described.

157,286
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 24, 1949, Serial No. 5,668
Term of patent 7 years
(Cl. D45—16)



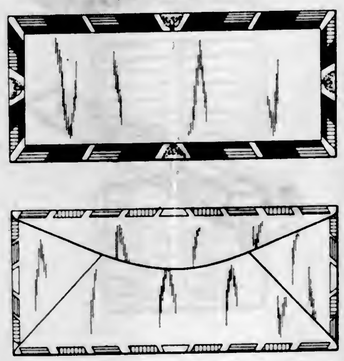
The ornamental design for a necklace or similar article, substantially as shown and described.

157,287
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 24, 1949, Serial No. 5,669
Term of patent 7 years
(Cl. D45—4)



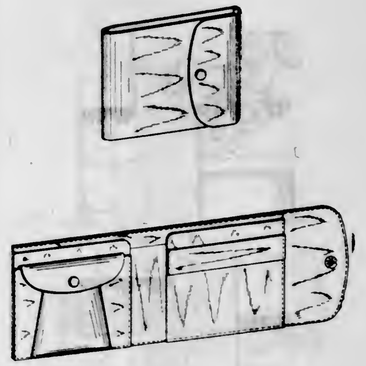
The ornamental design for a bracelet or similar article, substantially as shown and described.

157,288
AIRMAIL ENVELOPE
Julio A. Pichardo, New York, N. Y.
Application May 12, 1949, Serial No. 2,599
Term of patent 3½ years
(Cl. D59—8)



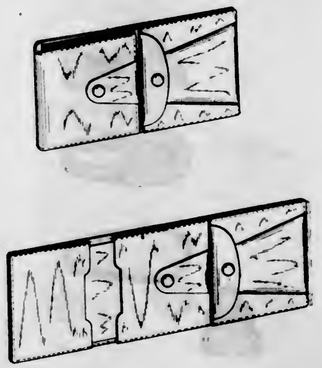
The ornamental design for an airmail envelope, as shown.

157,289
BILLFOLD
Harold B. Potter, Coshocton, Ohio
Application May 18, 1949, Serial No. 2,726
Term of patent 7 years
(Cl. D87—3)



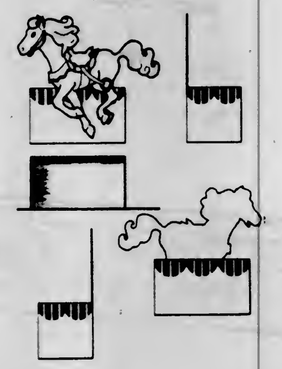
The ornamental design for a billfold, as shown.

157,290
BILLFOLD
Harold B. Potter, Coshocton, Ohio
Application May 18, 1949, Serial No. 2,727
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a billfold, as shown.

157,291
COMBINED FAVOR HOLDER AND PLACE CARD
Lula Jane Pyle and Maxine H. Schell, Kansas City, Mo.
Application March 8, 1948, Serial No. 144,975
Term of patent 3½ years
(Cl. D59—2)



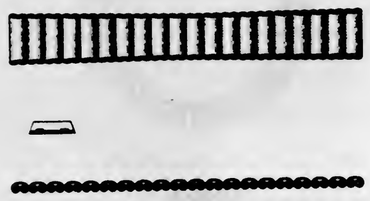
The ornamental design for a combined favor holder and place card, as shown.

157,292
CHILD'S SLIPPER OR SIMILAR ARTICLE
Henri E. Rosen, Brookline, Mass.
Application April 21, 1949, Serial No. 2,176
Term of patent 7 years
(Cl. D7—7)



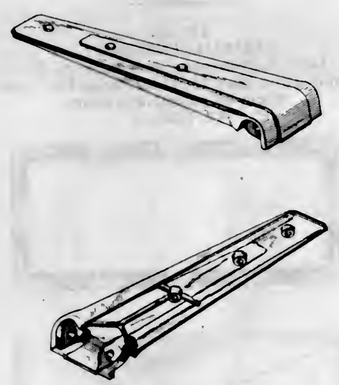
The ornamental design for a child's slipper or similar article, as shown.

157,293
LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE
James Schulz, Greenwich, Conn.
Application February 15, 1949, Serial No. 863
Term of patent 7 years
(Cl. D45—16)



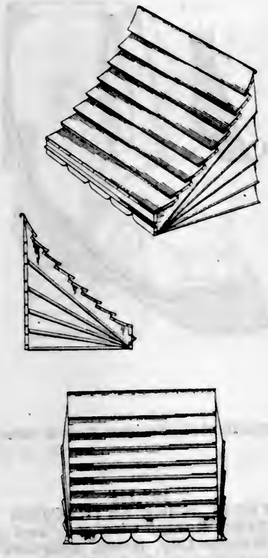
The ornamental design for a link chain for a bracelet or similar article, substantially as shown.

157,294
HINGE LEAF
Robert E. Slopa, Chicago, Ill.
Application November 10, 1947, Serial No. 142,418
Term of patent 14 years
(Cl. D10—9)



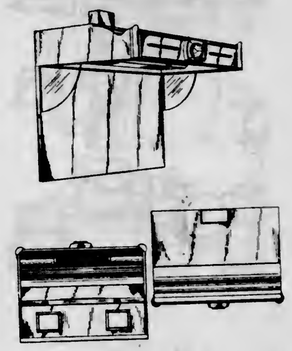
The ornamental design for a hinge leaf, substantially as shown.

157,295
RIGID SHEET METAL AWNING
Joseph W. Snider, Kenmore, and Stephen G. Domster, Buffalo, N. Y.; said Domster assignor to said Snider
Application December 29, 1948, Serial No. 150,424
Term of patent 14 years
(Cl. D21—6)



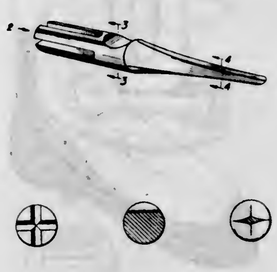
The ornamental design for a rigid sheet metal awning, as shown and described.

157,296
KITCHEN RANGE VENTILATING CANOPY OR SIMILAR ARTICLE
John H. Sonntag, Dallas, Tex., assignor to Robert B. Sonntag, Dallas, Tex.
Application April 19, 1948, Serial No. 145,818
Term of patent 14 years
(Cl. D81—25)



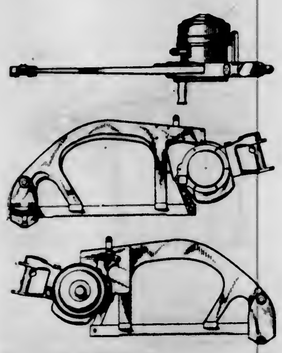
The ornamental design for a kitchen range ventilating canopy or similar article, as shown.

157,297
HAIR CURLER
Tomme B. Sparks, Denver, Colo.
Application February 3, 1949, Serial No. 656
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a hair curler, as shown.

157,298
CARCASS SPLITTING SAW
Ezekiel C. Steiner, Los Angeles, Calif.
Application August 18, 1948, Serial No. 148,159
Term of patent 14 years
(Cl. D11—1)



The ornamental design for a carcass splitting saw, substantially as shown.

157,299
STOCKING
George C. Tait, Wyomissing, Pa.
Application March 24, 1949, Serial No. 1,589
Term of patent 14 years
(Cl. D47—7)



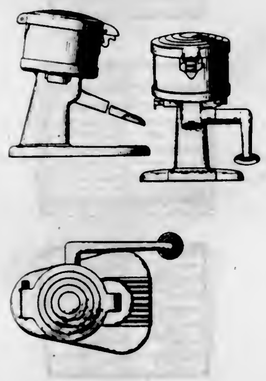
The ornamental design for a stocking, as shown.

157,300
STOCKING
George C. Tait, Wyomissing, Pa.
Application March 24, 1949, Serial No. 1,590
Term of patent 14 years
(Cl. D47—7)



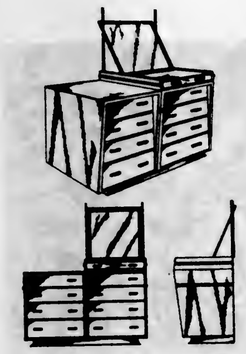
The ornamental design for a stocking, as shown.

157,301
FRUIT JUICE EXTRACTOR
Henry J. Talge, Kansas City, Mo., and Albert M. Travis, Kansas City, Kans., assignors to John C. Hockery, Kansas City, Mo., as trustee
Application November 4, 1949, Serial No. 5,857
Term of patent 14 years
(Cl. D89—1)



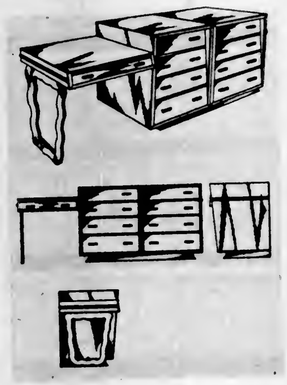
The ornamental design for a fruit juice extractor, substantially as shown.

157,302
CHIFFONIER
Howard A. Thede, Wayland, Mich.
Application September 13, 1948, Serial No. 148,567
Term of patent 3½ years
(Cl. D33—6)



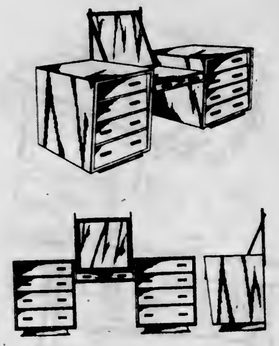
The ornamental design for a chiffonier, substantially as shown.

157,303
DESK WITH DRAWERS
Howard A. Thede, Wayland, Mich.
Application September 13, 1948, Serial No. 148,568
Term of patent 3½ years
(Cl. D33—7)



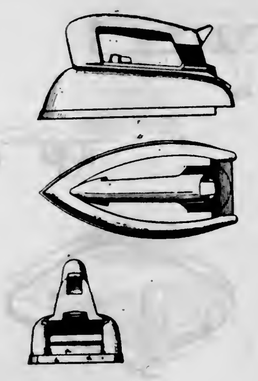
The ornamental design for a desk with drawers, substantially as shown.

157,304
VANITY DRESSER
Howard A. Thede, Wayland, Mich.
Application September 13, 1948, Serial No. 148,569
Term of patent 3½ years
(Cl. D33—6)



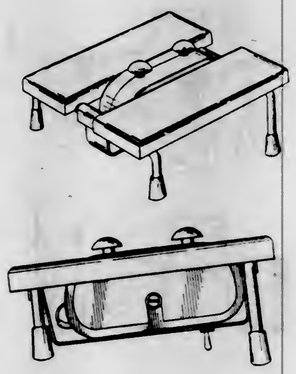
The ornamental design for a vanity dresser, substantially as shown.

157,305
STEAM-ELECTRIC FLATIRON
Ernest F. Thomson, Tuckahoe, N. Y., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application May 26, 1949, Serial No. 2,899
Term of patent 14 years
(Cl. D49—6)



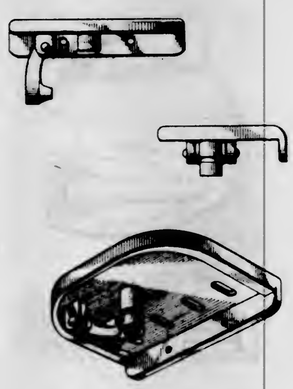
The ornamental design for a steam-electric flatiron, substantially as shown.

157,306
COMBINED ELECTRICALLY VIBRATED MASSAGER AND SUPPORT
Edwin M. Vogt, Kalamazoo, Mich.
Application December 27, 1948, Serial No. 150,365
Term of patent 14 years
(Cl. D83—1)



The ornamenal design for a combined electrically vibrated massager and support, as shown and described.

157,307
COMBINATION BRUSH HOLDER AND PASTE DISPENSER
Charles W. Ward, Los Angeles, Calif.
Application May 19, 1947, Serial No. 139,133
Term of patent 7 years
(Cl. D4—3)



The ornamental design for a combination brush holder and paste dispenser, as shown.

157,308
FABRIC
Phyllis Wayne, Los Angeles, Calif., assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif., a corporation of California
Application September 27, 1948, Serial No. 148,789
Term of patent 3½ years
(Cl. D92—1)



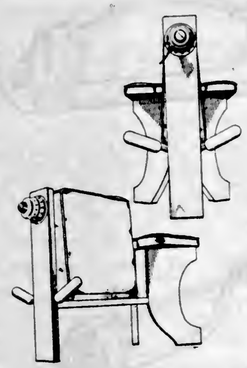
The ornamental design for a fabric, as shown and described.

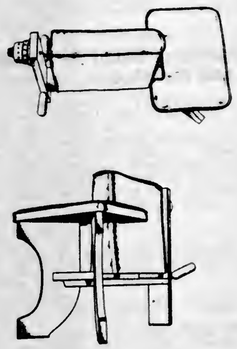
157,309
TEXTILE FABRIC
Sol Weinberg, New York, N. Y.
Application April 27, 1948, Serial No. 145,989
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

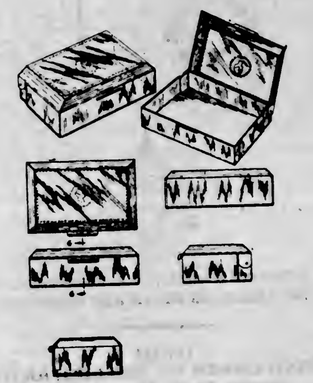
157,310
THERAPEUTIC EXERCISING SEAT
William L. Wettlaufer, Buffalo, N. Y.
Application December 2, 1948, Serial No. 149,923
Term of patent 14 years
(Cl. D15—1)





The ornamental design for a therapeutic exercising seat, as shown.

157,311
UTILITY BOX
Alex Wiesen, New York, N. Y.
Application February 11, 1949, Serial No. 791
Term of patent 3½ years
(Cl. D58—12.6)



The ornamental design for a utility box, as shown.

157,312
FAUCET HANDLE
Stephen A. Young, Delphi, Ind.
Application January 30, 1948, Serial No. 144,158
Term of patent 14 years
(Cl. D4—3)



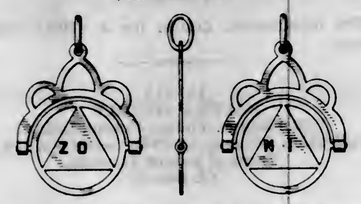
The ornamental design for a faucet handle, as shown.

157,313
SPINNING CHARM OR THE LIKE ARTICLE
Stanley Zweig, Elmont, N. Y.
Application August 2, 1949, Serial No. 4,239
Term of patent 14 years
(Cl. D45—17)



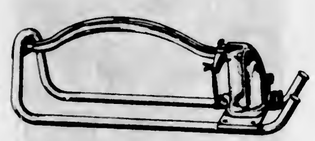
The ornamental design for a spinning charm or the like article, as shown and described.

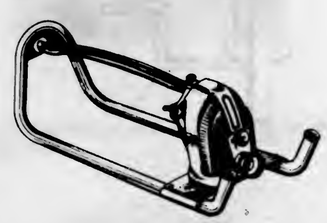
157,314
SPINNING CHARM OR THE LIKE ARTICLE
Stanley Zweig, Elmont, N. Y.
Application August 2, 1949, Serial No. 4,240
Term of patent 14 years
(Cl. D45—17)



The ornamental design for a spinning charm or the like article, as shown.

157,315
LAWN SPRINKLER
Herbert S. Ingham, Roslyn Estates, and Charles K. Wilson, East Williston, N. Y.
Application November 4, 1949, Serial No. 5,876
Term of patent 14 years
(Cl. D91—1)





The ornamental design for a lawn sprinkler, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A-Q Mills, Inc., Timmonsville, S. C. Fabrics in the piece. Serial No. 579,385, Feb. 14. Class 42.

Accecraft Shirts, Inc., New York, N. Y. Men's and boys' shorts; dress, negligee, sport, and work under and outer shirts, etc. Serial Nos. 554,345–6, Feb. 14. Class 39.

Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical terminals and connectors. Serial No. 558,842, Feb. 14. Class 21.

Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical terminals and connectors. Serial No. 565,399, Feb. 14. Class 21.

Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical terminals and connectors. Serial No. 565,401, Feb. 14. Class 21.

Aktiebolaget Optimus, Upplands-Vasby, Sweden. Locks, safes, and strong boxes. Serial No. 503,150, Feb. 14. Class 25.

Aktiebolaget Optimus, Upplands-Vasby, Sweden. Locks, safes, and strong boxes. Serial No. 507,961, Feb. 14. Class 25.

Allied Mills, Inc., Chicago, Ill. Dog and fox feed. Serial No. 528,162, Feb. 14. Class 46.

Alston-Lucas Paint Co., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Liquid pigment for use in paints. Serial No. 550,986, Feb. 14. Class 16.

Altman, B., & Co., New York, N. Y. Non-electric phonographs, phonograph needles, grooved phonograph records, etc. Serial No. 570,175, Feb. 14. Class 36.

Altman, B., & Co., New York, N. Y. Powders, concentrates, and sirups, etc. Serial No. 570,182, Feb. 14. Class 45.

American Distilling Company, The, Pekin, Ill., and New York, N. Y. Whiskey. Serial No. 566,683, Feb. 14. Class 49.

American Gas Association, Inc., New York, N. Y. Gas heating apparatus and appliances and parts therefor. Serial No. 536,863, Feb. 14. Class 34.

American Snuff Company, Memphis, Tenn. Snuff. Serial Nos. 555,348–9, Feb. 14. Class 17.

American Snuff Company, Memphis, Tenn. Snuff. Serial No. 555,352, Feb. 14. Class 17.

Anderson, Wm., Piano Co.: *See*—
Linquist, William A.

Apple Growers Association, Hood River, Oreg. Fresh deciduous fruits. Serial Nos. 530,154–5, Feb. 14. Class 46.

Arcola Fabrics Corp., New York, N. Y. Rayon fabrics in the piece. Serial No. 571,314, Feb. 14. Class 42.

Armour and Company, Chicago, Ill. Leather belting. Serial No. 543,395, Feb. 14. Class 35.

Artisan Products, Inc., Cleveland, Ohio. Truck bodies. Serial No. 574,884, Feb. 14. Class 19.

Atlas Powder Company, Wilmington, Del. Emulsifying, wetting, and dispersing agents. Serial No. 566,063, Feb. 14. Class 6.

Atlas Powder Company, Wilmington, Del. Emulsifying, wetting, and dispersing agents. Serial No. 567,750, Feb. 14. Class 6.

Audiscope Corporation: *See*—
Educational Methods, Inc.

Baker Clothes Incorporated, Philadelphia, Pa. Men's coats, trousers, vests, and overcoats. Serial No. 569,425, Feb. 14. Class 39.

Baker & Company, Incorporated, Newark, N. J. Dental wheels. Serial No. 566,115, Feb. 14. Class 44.

Baracuta (Clothiers) Limited, Manchester, England. Textile piece goods. Serial No. 514,098, Feb. 14. Class 42.

Barrett, Paul, doing business as Paul Barrett Music, San Francisco, Calif. Sheet music. Serial No. 573,070, Feb. 14. Class 38.

Barrett, Paul, Music: *See*—
Barrett, Paul.

Bartholomew, John P., Gravesend, England. Veterinary substances. Serial No. 562,022, Feb. 14. Class 18.

Beacon Products Company: *See*—
Burnham, Milton.

Beecher, Katharine, Manchester, Pa. Candy. Serial No. 513,549, Feb. 14. Class 46.

Belco Chemical Products Co., New York, N. Y. Liquid or powder insecticide preparation. Serial No. 481,206, Feb. 14. Class 6.

Bell & Zoller Coal Company, Chicago, Ill. Coal. Serial No. 569,738, Feb. 14. Class 1.

Bestlyne Co.: *See*—
Mosen, Adolph.

Bol, Ltd., New York, N. Y. Cinematographic and photographic apparatus and accessories. Serial No. 557,888, Feb. 14. Class 26.

Bonebrake, A. C.: *See*—
Vaponefrin Company.

Boyertown Shoe Corp., Boyertown, Pa. Children's, infants', misses', women's, and men's shoes. Serial No. 537,971. Feb. 14. Class 39.

Brewer, Timothy F., Hartford, Conn. Auxiliary caps for telephone mouth pieces and replaceable germicidal disks therefore. Serial No. 559,878, Feb. 14. Class 44.

Brilliant Blouses, Inc., New York, N. Y. Outer apparel garments for children and misses. Serial No. 565,226, Feb. 14. Class 39.

Brooks, E. J., Company, Newark, N. J. Base-metal truck, car and shipping-case seals, seals for containers and packages, etc. Serial No. 537,135, Feb. 14. Class 25.

Bruner-Ritter, Inc., New York, N. Y. Bracelets, wrist watch bracelets. Serial No. 582,411, Feb. 14. Class 28.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard balls. Serial No. 558,854, Feb. 14. Class 22.

Burlington Brewing Company, Burlington, Wis., and Chicago, Ill. Beer. Serial No. 510,301, Feb. 14. Class 48.

Burlington Brewing Company, Burlington, Wis., and Chicago, Ill. Beer. Serial No. 510,303, Feb. 14. Class 48.

Burnham, Milton, doing business as Beacon Products Company, San Francisco, Calif. Paper match bookcovers, paper coasters, writing paper, etc. Serial No. 513,493, Feb. 14. Class 37.

Burnham's, Margaret, Inc., Oakland, Calif. Candy. Serial No. 508,784, Feb. 14. Class 46.

Byrd, H. F., Inc., Winchester, Va. Fresh apples and canned apple sauce. Serial No. 570,690, Feb. 14. Class 46.

Byrnes, John J., Newark, N. J. Oil burner service devices. Serial No. 571,199, Feb. 14. Class 21.

Candy Lane, Inc., Los Angeles, Calif. Candies. Serial No. 554,479, Feb. 14. Class 46.

Capitol Fuel Company, The, Cleveland, Ohio. Coal. Serial No. 566,120, Feb. 14. Class 1.

Carolina Manufacturing Company, Greenville, S. C. Handkerchiefs. Serial No. 565,909, Feb. 14. Class 39.

Catalina, Inc., Los Angeles, Calif. Swim suits and sweaters. Serial No. 564,319, Feb. 14. Class 39.

Causse Manufacturing & Importing Co., Bound Brook and Jersey City, N. J. Bigarreaux cherries, crystallized sliced ginger, orange peel, etc. Serial No. 538,604, Feb. 14. Class 46.

Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Hosiery. Serial Nos. 551,941–2, Feb. 14. Class 39.

Chamberlin Company of America, Detroit, Mich. Combination storm windows with screens, weather strips, caulking compounds, etc. Serial No. 561,655, Feb. 14. Class 12.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Coated paper. Serial No. 525,190, Feb. 14. Class 37.

Chemical & Industrial Laboratories, Inc., Greenville, S. C. Liquid starch. Serial No. 570,188, Feb. 14. Class 6.

Chemicals, Inc., Britton, Okla. Paint. Serial No. 574,209, Feb. 14. Class 16.

Chicago Eye Shield Company, Chicago, Ill. Protective equipment. Serial No. 568,584, Feb. 14. Class 39.

Chicago Paints, Inc., Chicago, Ill. Flat wall paint. Serial No. 560,541, Feb. 14. Class 16.

Church & Dwight Co., Inc., New York, N. Y. Baking soda. Serial No. 526,757, Feb. 14. Class 46.

Ciba Limited, Basel, Switzerland. Synthetic resinous adhesives. Serial No. 572,015, Feb. 14. Class 5.

Ciba Limited, Basel, Switzerland. Glues, adhesives, and binding agents. Serial No. 572,017, Feb. 14. Class 5.

Color Coordinators, Ltd., New York, N. Y., assignor, by mesne assignments, to Johnson City Mills, Johnson City, Tenn. Ladies' hosiery. Serial No. 571,201, Feb. 14. Class 39.

Colter Corporation, Palacios, Tex. Fresh frozen shrimp. Serial No. 569,351, Feb. 14. Class 46.

Columbia Art Works, Inc., Milwaukee, Wis. Combination calendar and memo pads. Serial No. 534,244, Feb. 14. Class 37.

Commercial Laboratories, Inc., Newark, N. Y. Preparations for the treatment of hair, etc. Serial No. 566,691, Feb. 14. Class 51.

Compadol Sales: *See*—
Feineman, Henry.

Conover-Cable Piano Co., Chicago, Ill. Pianos. Serial No. 502,270, Feb. 14. Class 36.

Consolidated Television Corporation, assignor to Tele King Corporation, New York, N. Y. Receiving television and radio sets. Serial No. 569,252, Feb. 14. Class 21.

Cook, F. W., Company, Inc., Evansville, Ind. Beer. Serial No. 539,497, Feb. 14. Class 48.

Creamette Company, The, Minneapolis, Minn. Macaroni. Serial No. 554,865, Feb. 14. Class 46.

Credit Bureau, Inc., The, Atlanta, Ga. Reporting on the credit standing, character, and finances of individuals and firms. Serial No. 550,391, Feb. 14. Class 101.

Crystal, David, Inc., New York, N. Y. Men's outer shirts. Serial No. 565,319, Feb. 14. Class 39.

Cussins and Fearn Company, The, Columbus, Ohio. House paint, screen enamel paint, aluminum paint, etc. Serial No. 551,615, Feb. 14. Class 16.

Daniels, Nelson J., Haverhill, Mass. Toy kaleidoscopes. Serial No. 533,547, Feb. 14. Class 22.

Decca Records, Inc., New York, N. Y. Phonograph needles. Serial No. 549,059, Feb. 14. Class 36.

Decca Records, Inc., New York, N. Y. Mechanically grooved phonograph records. Serial No. 549,424, Feb. 14. Class 36.

Dexdale Hosiery Mills, Lansdale, Pa. Hosiery. Serial No. 570,192, Feb. 14. Class 39.

Diveley, H. G., Industries, Inc., Colorado Springs, Colo. Chemically treated tissue for cleaning teeth. Serial No. 566,921, Feb. 14. Class 44.

Doughboy Industries, Inc., New Richmond, Wis. Poultry feeds. Serial No. 548,059, Feb. 14. Class 46.

Dunan Brick Yards Incorporated, Miami, Fla. Bricks. Serial No. 588,258, Feb. 14. Class 12.

Dunne, W. H., Co., The, Norwich, N. Y. Canned vegetables, canned fruits, coffee, etc. Serial No. 573,451, Feb. 14. Class 46.

Duquesne Brewing Company of Pittsburg, Pittsburgh, Pa. Beer. Serial No. 574,140, Feb. 14. Class 48.

Duranol Products, Inc., Brooklyn, N. Y. Trinket boxes, utility boxes, glove boxes, etc. Serial No. 550,795, Feb. 14. Class 2.

Eagle-Picher Company, The: *See*—
Alston-Lucas Paint Co.

Ebosa, S. A., Granges, Switzerland. Comparators, micro-gauges, micro-indicators, etc. Serial No. 550,678, Feb. 14. Class 26.

Educational Methods, Inc., Wilmington, Del., now by change of name Audiscope Corporation. Instruction in piano playing. Serial No. 559,504, Feb. 14. Class 107.

Elastic Stop Nut Corporation of America, Union, N. J. Nails. Serial No. 565,693, Feb. 14. Class 13.

Electrolite Corporation of America, Steubenville, Ohio. Electric lamps and lamp shades. Serial No. 563,321, Feb. 14. Class 21.

Ellmore Silver Company, Inc., The, Meriden, Conn. Flatware and hollow ware. Serial No. 578,324, Feb. 14. Class 28.

Emporium Specialties Co., Inc., Emporium, Pa. Climbing toys. Serial No. 556,326, Feb. 14. Class 22.

Eronel Industries, Los Angeles, Calif. Solution of a resinous material. Serial No. 496,775, Feb. 14. Class 16.

Esquire Sportswear Co.: *See*—
Esquire Sportswear, Inc.

Esquire Sportswear, Inc., assignor to Esquire Sportswear Co., New York, N. Y. Slacks. Serial No. 554,218, Feb. 14. Class 39.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Fairchild Publications, Inc., New York, N. Y. Daily newspaper. Serial No. 567,456, Feb. 14. Class 38.

Feineman, Henry, doing business as Compadol Sales, Brooklyn, N. Y. Lubricating oil. Serial No. 561,309, Feb. 14. Class 15.

Fox, Irving, doing business as Hollywood Youth, Los Angeles, Calif. Panty-girdles. Serial No. 572,094, Feb. 14. Class 39.

Foy Paint Company, Inc., The, doing business as The R. F. Johnston Paint Company, Cincinnati, Ohio. Outside wall and trim paints. Serial No. 569,446, Feb. 14. Class 16.

Frieder, S., & Sons Company, The, Cincinnati, Ohio, and Philadelphia, Pa. Cigars and cheroots. Serial Nos. 571,715–17, Feb. 14. Class 17.

Galilia Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 571,638, Feb. 14. Class 18.

Garod Radio Corporation, Brooklyn, N. Y. Television sets and radio sets. Serial No. 571,209, Feb. 14. Class 21.

Gaylord Container Corporation, St. Louis, Mo. Paper bags and sacks; containers, etc. Serial No. 564,567, Feb. 14. Class 2.

General Mills, Inc., Minneapolis, Minn. Comic strips. Serial No. 530,730, Feb. 14. Class 38.

General Refractories Company, Philadelphia, Pa. Plastic firebrick. Serial No. 562,693, Feb. 14. Class 12.

Gilman Paint and Varnish Company, Chattanooga, Tenn. Varnish. Serial No. 576,407, Feb. 14. Class 16.

Goldner, Julius, doing business under the trade-name Hydrold Chemical Co., Brooklyn, N. Y. Hydraulic brake fluid. Serial No. 520,450, Feb. 14. Class 6.

Goldsmith Clothing Company, St. Louis, Mo. Men's and young men's sport coats and sport slacks. Serial No. 529,637, Feb. 14. Class 39.

Gordon, Claud S., Company, Chicago, Ill. Thermocouple protecting tubes, thermocouple extension lead wire, etc. Serial No. 492,492, Feb. 14. Class 26.

Green Hornet, Inc., The, Detroit, Mich. Entertainment. Serial No. 566,336, Feb. 14. Class 107.

Greentree's, Richmond, Va. Men's suits. Serial No. 569,376, Feb. 14. Class 39.

Gurney Security Paper Company, Brooklyn, N. Y. Safety paper. Serial No. 572,654, Feb. 14. Class 37.

Haas, Baruch & Co., Los Angeles, Calif. Canned fruits, vegetables, tomato puree, catsup, fruit jelly, etc. Serial No. 541,836, Feb. 14. Class 46.

Haefeli, Max, Basel, Switzerland. Surgical splints, arch supports, and artificial limbs. Serial No. 516,834, Feb. 14. Class 44.

Haefeli, Max, Basel, Switzerland. Dental and medical materials. Serial No. 516,837, Feb. 14. Class 44.

Hansburg, George B., assignor to Master Juvenile Products Inc., Walker Valley, N. Y. Baby's bath tub. Serial No. 557,451, Feb. 14. Class 13.

Harrington Hotel Co., Inc., Washington, D. C. Cafeteria services. Serial No. 566,704, Feb. 14. Class 100.

Hart, Robert W., trading as Robart, Arlington, Va. Men's pajamas, slacks, trousers, and outer shirts and under shirts. Serial No. 562,037, Feb. 14. Class 39.

Hearst Corporation, The, New York, N. Y. Series of cartoons or comic strips. Serial No. 573,037, Feb. 14. Class 38.

Hendler & Goodman, New York, N. Y. Men's suits, sport coats, slacks, etc. Serial No. 589,053, Feb. 14. Class 39.

Hirsch, A., Co., Chicago, Ill. Watches and clocks. Serial No. 562,142, Feb. 14. Class 27.

Hollywood Youth: *See*—
Fox, Irving.

Home Curtain Corp., Far Rockaway, N. Y. Window curtains. Serial No. 569,753, Feb. 14. Class 42.

Hoover Hosiery Company, Concord, N. C. Hosiery. Serial No. 554,669, Feb. 14. Class 39.

Hosiery Craftsmen, Sinking Spring, Pa. Women's hosiery. Serial No. 570,302, Feb. 14. Class 39.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Poultry brooders. Serial No. 570,208, Feb. 14. Class 50.

Humber Limited, Coventry, England. Bicycles, tricycles for adults; and other pedal-operated vehicles. Serial No. 557,753, Feb. 14. Class 19.

Humes & Berg Mfg. Co., Inc., Chicago, Ill. Music stands. Serial No. 534,440, Feb. 14. Class 36.

Hunter Douglas Corporation, New York, N. Y. Venetian blinds. Serial No. 569,974, Feb. 14. Class 32.

Hydroid Chemical Co.: *See*—
Goldner, Julius.

Imperial Paper and Color Corporation, Glens Falls, N. Y. Wallpapers. Serial Nos. 573,179–80, Feb. 14. Class 37.

Index Number Institute, Inc., The, New York, N. Y. Magazine. Serial No. 572,976, Feb. 14. Class 38.

Innes Henderson and Company Limited, Hawick, Scotland. Knitted underwear, jackets, sweaters, etc. Serial No. 511,814, Feb. 14. Class 39.

Interchemical Corporation, New York, N. Y. Floor covering in the nature of linoleum. Serial No. 570,965, Feb. 14. Class 20.

International Resistance Company, Philadelphia, Pa. Resistors, resistances, grid leaks, volume controls, etc. Serial No. 560,471, Feb. 14. Class 21.

Jacobson, F., & Sons, Inc., New York, N. Y. Handkerchiefs. Serial No. 559,371, Feb. 14. Class 39.

Jacobson, F., & Sons, Inc., New York, N. Y. Collars, and men's, women's, and boys' dress, negligee, and sport shirts. Serial No. 570,020, Feb. 14. Class 39.

Jelke, John F., Company, Chicago, Ill. Shortening. Serial No. 555,415, Feb. 14. Class 46.

Jewel Tea Co., Inc., Barrington, Ill. Coffee. Serial No. 555,540, Feb. 14. Class 46.

Johnson & Johnson, New Brunswick, N. J. Bandages. Serial No. 566,589, Feb. 14. Class 44.

Johnson & Johnson, New Brunswick, N. J. Absorbent cellulose. Serial No. 566,591, Feb. 14. Class 44.

Johnson & Johnson, New Brunswick, N. J. Bandages and splints. Serial No. 566,596, Feb. 14. Class 44.

Johnson City Mills: *See*—
Color Coordinators, Ltd.

Johnston, R. F., Paint Company, The: *See*—
Foy Paint Company, Inc., The.

Joliet Wall Paper Mills, The, Joliet, Ill. Wall paper. Serial No. 572,503, Feb. 14. Class 37.

Jones, Sterling, Laboratories, doing business as R. A. Myers & Company, St. Paul, Minn. Insecticides; disinfectants; chemical bowl cleaners; etc. Serial No. 562,640, Feb. 14. Class 6.

Kamber & Masket, Inc., New York, N. Y. Infants' wear. Serial No. 553,964, Feb. 14. Class 39.

Kasco Mills, Inc., Waverly, N. Y. Balanced rations for poultry, dairy cows, beef cattle. Serial No. 532,295, Feb. 14. Class 46.

Kenney Paint & Varnish Co., Inc., Chicago, Ill. Exterior and interior ready-mixed paints, varnishes, and colors in oil. Serial No. 552,247, Feb. 14. Class 16.

Keystone View Company, Meadville, Pa. Stereoscopic instrument for chiroscopic training. Serial No. 567,702, Feb. 14. Class 26.

Korday Candies, Inc., Brooklyn, N. Y. Candy. Serial No. 562,370, Feb. 14. Class 46.

Kramer Bros., Inc., Philadelphia, Pa. Hosiery. Serial No. 571,433, Feb. 14. Class 39.

Lagomarsino, F., & Sons, Sacramento, Calif. Alfalfa seed. Serial No. 568,380, Feb. 14. Class 1.

Lingle, William H., Company, Washington, D. C., assignee of The William H. Lingle Corporation. Cultivators, harrows, and parts thereof. Serial No. 518,234, Feb. 14. Class 23.

Lingle, William H., Corporation, The: *See*—
Lingle, William H., Company.

Linquist, William A., doing business as Wm. Anderson Piano Co., Minneapolis, Minn. Pianos. Serial No. 563,348, Feb. 14. Class 36.

Los Banos Produce Distributors, Los Banos, Calif. Fresh melons. Serial No. 568,065, Feb. 14. Class 46.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. Serial No. 545,138, Feb. 14. Class 39.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. Serial No. 547,015, Feb. 14. Class 39.

Magic Mirror Associates, Inc., New York, N. Y. Combination transparent mirror and door wicket. Serial Nos. 558,569–70, Feb. 14. Class 32.

Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets, electric phonographs, radio phonograph combination sets, etc. Serial No. 554,136, Feb. 14. Class 21.

Maine Gas and Appliances, Inc., Portland, Maine. Commercial propane and propylene. Serial No. 567,794, Feb. 14. Class 6.

Marilane Lingerie, Inc., New York, N. Y. Misses' and children's petticoats, panties, and combination petticoats and panties. Serial No. 571,616, Feb. 14. Class 39.

Marquette Petroleum Products, Inc., Chicago, Ill. Lubricating oils. Serial No. 539,330, Feb. 14. Class 15.

Master Juvenile Products Inc.: *See*—
Hansburg, George B.

Math Trend Financial Service: *See*—
Thomas, William M.

McKay Company, The, Pittsburgh, Pa. Chains of base metal, cross chains, and tire chains. Serial No. 576,710, Feb. 14. Class 13.

Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Publication. Serial No. 533,342, Feb. 14. Class 38.

Meyer, Harry F., Inc., New York, N. Y. Handkerchiefs. Serial No. 569,877, Feb. 14. Class 39.

Meyercord Company, The, Chicago, Ill. Decalcomania transfers and advertising cards and placards. Serial No. 537,336, Feb. 14. Class 38.

Midland Fabrics Corporation, New York, N. Y., now by change of name Spectrum Fabrics Corporation. Piece goods of silk, synthetic fabrics, and mixtures thereof. Serial No. 508,665, Feb. 14. Class 42.

Midwest Steel and Iron Works Company, The, Denver, Colo. Standard structural steel roof trusses. Serial No. 572,812, Feb. 14. Class 12.

Miller, Woodrow, doing business as Woodrow Miller & Company, Alhambra, Calif. Honey. Serial No. 512,978, Feb. 14. Class 46.

Miller, Woodrow, & Company: *See*—
Miller, Woodrow.

Modella Manufacturing Corporation, Port Chester, N. Y. Children's sleeping garments. Serial No. 564,890, Feb. 14. Class 39.

Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Textile, woven woolen rugs and carpets. Serial No. 579,044, Feb. 14. Class 42.

Monnet, Georges, New York, N. Y. Pens and pencils. Serial No. 561,133, Feb. 14. Class 37.

Monroe Calculating Machine Company, Orange, N. J. Listing adding machines and bookkeeping machines. Serial No. 541,872, Feb. 14. Class 26.

Monroe Company, Inc., The, Cleveland, Ohio. Patching and resurfacing compound. Serial No. 512,599, Feb. 14. Class 12.

Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,681, Feb. 14. Class 37.

Montres Belvu S. A., Berne, Switzerland. Pocket watches and wrist watches. Serial No. 563,786, Feb. 14. Class 27.

Morgan Foods Corporation, New York, N. Y. Ready-to-cook pudding dessert preparation. Serial No. 559,481, Feb. 14. Class 46.

Morse, Grace, doing business as Grace Morse Doll Shop, Michigan City, Ind. Rag dolls. Serial No. 575,539, Feb. 14. Class 22.

Morse, Grace, Doll Shop: *See*—
Morse, Grace.

Mosen, Adolph, doing business as Bestlyne Co., New York, N. Y. Bathing suits. Serial No. 571,462, Feb. 14. Class 39.

Motloid Company, The, Chicago, Ill. Acrylic denture repair material. Serial No. 571,285, Feb. 14. Class 44.

Müller, Wm. F., Inc., Wyomissing, Pa. Hosiery. Serial No. 564,393, Feb. 14. Class 39.

Murdock Distributors, Inc., Los Angeles, Calif. Installation; mechanical repair, and inspection. Serial No. 546,779, Feb. 14. Class 103.

Myers, R. A., & Company: *See*—
Jones, Sterling, Laboratories.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 562,874, Feb. 14. Class 39.

National Metal Products Company, Pittsburgh, Pa. Weather stripping, metal trim, and metal screens. Serial No. 556,905, Feb. 14. Class 12.

National Model Distributors, doing business as Tiger Products Company, Chicago, Ill. Hobby craft supplies, and model gas engine lubricating oil. Serial No. 501,334, Feb. 14. Class 15.

Newark Industries, Inc., assignor to Tectum Corporation, Newark, Ohio. Panels, sections, and beams for use in construction. Serial No. 519,772, Feb. 14. Class 12.

Northeastern Roofing, Siding and Insulating Contractors Association, Inc., New York, N. Y. Roofing, siding, and insulating contracting. Serial No. 535,425, Feb. 14. Class 103.

Northome Furniture Industries, Inc., Dubuque, Iowa. Upholstered furniture. Serial No. 565,715, Feb. 14. Class 32.

Novadel-Agene Corporation, Belleville, N. J. Beer cooling apparatus. Serial No. 557,947, Feb. 14. Class 31.

Numotisine, Inc., Chicago, Ill. Analgesic creams for treatment of skin disorders. Serial No. 563,867, Feb. 14. Class 18.

Occidental Life Insurance Company of California, Los Angeles, Calif. Underwriting of life insurance. Serial No. 528,882, Feb. 14. Class 102.

Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Chemical products and chemical intermediates. Serial No. 564,734, Feb. 14. Class 6.

Ortis, Alfonso, New York, N. Y. Canned and dehydrated soups. Serial No. 540,861, Feb. 14. Class 46.

Packard Motor Car Company, Detroit, Mich. Service, maintenance, and repair of automobiles, constructive parts thereof and accessories therefor. Serial No. 536,424, Feb. 14. Class 103.

Packard Motor Car Company, Detroit, Mich. Service, maintenance, and repair of automobiles, constructive parts thereof, etc. Serial Nos. 540,101–2, Feb. 14. Class 103.

Paraffine Companies, Inc., The, San Francisco, Calif. Plastic material. Serial No. 558,060, Feb. 14. Class 12.

Paulus Bros. Packing Co., Salem, Oreg. Canned fruits and vegetables. Serial Nos. 538,164–5, Feb. 14. Class 46.

Paulus Bros. Packing Co., Salem, Oreg. Canned fruits. Serial No. 538,166, Feb. 14. Class 46.

Paulus Bros. Packing Co., Salem, Oreg. Canned fruit and vegetable juices. Serial No. 538,167, Feb. 14. Class 46.

Pennsylvania Rubber Company, Jeannette, Pa. Inflated athletic balls. Serial No. 563,132, Feb. 14. Class 22.

Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking tobacco. Serial No. 548,573, Feb. 14. Class 17.

Pershing Products Company, Saugatuck, Mich. Portable hand operable, belt driven carousel. Serial No. 572,324, Feb. 14. Class 22.

Personal Products Corporation, North Brunswick Township, N. J. Sanitary belts. Serial No. 566,646, Feb. 14. Class 44.

Pfaff, H. C., Cigar Co.: *See*—
Schafer, George.

Polis & Hagan, Edinburg, Tex. Fresh citrus fruit and fresh tomatoes. Serial No. 521,466, Feb. 14. Class 46.

Potomac Electric Power Company, Washington, D. C. Supplying electrical energy for power, light, and heat. Serial No. 576,719, Feb. 14. Class 100.

Premier Knitting Co., Inc., New York, N. Y. Ladies' sweaters and sweater ensembles. Serial No. 563,361, Feb. 14. Class 39.

Prudential Paper Products Co., Inc., New York, N. Y. Paper tablets. Serial No. 573,262, Feb. 14. Class 37.

Reiss Manufacturing Corporation: *See*—
Rway, Inc.

Republic Paint & Varnish Co., Chicago, Ill. Ready-mixed paint, varnishes, and liquid tar-based roof coating. Serial No. 541,457, Feb. 14. Class 16.

Reynolds Metals Company, Richmond, Va. Aluminum paste pigment for use in paints. Serial No. 572,586, Feb. 14. Class 16.

Rheem Manufacturing Company, San Francisco, Calif. Metal shipping and storing drums and barrels. Serial No. 553,980, Feb. 14. Class 2.

Rig Products Company: *See*—
Wiles, Russell, Jr.

Riverbank Wine Company, Brooklyn, N. Y. Wines. Serial No. 565,139, Feb. 14. Class 47.

Robinson Syrup Co. Inc., Cairo, Ga. Table syrups. Serial No. 555,698, Feb. 14. Class 46.

Rockingham Poultry Marketing Co-Operative, Inc., Broadway, Va. Fresh frozen poultry. Serial No. 571,465, Feb. 14. Class 46.

Roddis Plywood Corporation, Marshfield, Wis. Hollow core plywood doors. Serial No. 573,196, Feb. 14. Class 12.

Rohart: *See*—
Hart, Robert W.

Roll Forming Company, The, Fullerton, Calif. Chrome furniture. Serial No. 559,248, Feb. 14. Class 32.

Rway, Inc., New York, assignor to Reiss Manufacturing Corporation, New York County, N. Y. Chemical, mechanical, civil, structural, naval, electrical, and mining engineering. Serial No. 527,692, Feb. 14. Class 100.

S. & G. Gump Company, San Francisco, Calif. Electric floor lamps and table lamps. Serial No. 569,889, Feb. 14. Class 21.

Salerno-Megowen Biscuit Company, Chicago, Ill. Cookies. Serial No. 573,898, Feb. 14. Class 46.

Samette Mfg. Company, Inc., Allentown, Pa. Ladies' and misses' slips, petticoats, and nightgowns. Serial No. 571,747, Feb. 14. Class 39.

Sanson Hosiery Mills, Inc., Darby, Pa. Hosiery. Serial No. 569,997, Feb. 14. Class 39.

Schafer, George.-H. C. Pfaff Cigar Co., Baltimore, Md. Cigars. Serial No. 554,520, Feb. 14. Class 17.

Schaik Chemical Company, Los Angeles, Calif. Chemical paint and varnish remover. Serial No. 570,382, Feb. 14. Class 16.

Schenley Laboratories, Inc., New York, N. Y. Penicillin tablets. Serial Nos. 567,046–7, Feb. 14. Class 18.

Scherer, R. P., Corporation, Detroit, Mich. Medicaments for hypodermic injection. Serial No. 572,274, Feb. 14. Class 18.

Schulte, D. A., Inc., New York, N. Y. Watches and clocks. Serial No. 554,718, Feb. 14. Class 27.

Schultz, Baujan & Co., Beardstown, Ill. Wheat flour. Serial No. 520,187, Feb. 14. Class 46.

Schweitzer, Peter J., Inc., New York, N. Y. Cigarette paper. Serial No. 568,979, Feb. 14. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Men's clothing. Serial No. 550,097, Feb. 14. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Wallpaper. Serial No. 573,682, Feb. 14. Class 37.
Semler, J., London, England. Woolen and worsted piece goods. Serial No. 564,295, Feb. 14. Class 42.
Servus Rubber Company, The, Rock Island, Ill. Rubber boots and shoes. Serial No. 562,277, Feb. 14. Class 39.
Servus Rubber Company, The, Rock Island, Ill. Canvas rubber soled shoes. Serial No. 556,488, Feb. 14. Class 39.
Shadowood, Inc., Los Angeles, Calif. Lumber. Serial No. 565,498, Feb. 14. Class 12.
Shoe Corporation of America, Columbus, Ohio. Shoes. Serial Nos. 569,573–4, Feb. 14. Class 39.
Shoe Corporation of America, Columbus, Ohio. Shoes. Serial No. 571,668, Feb. 14. Class 39.
Silver-Reich-Cohn, New York, N. Y. Women's hosiery and underwear. Serial No. 548,697, Feb. 14. Class 39.
Sinclair, H. M., Jr., Toledo, Ohio, trustee for the Ohio partnership, The Sinclair Manufacturing Company. Liquid synthetic detergent. Serial No. 558,172, Feb. 14. Class 52.
Sinclair Manufacturing Company: *See*—
Sinclair, H. M., Jr.
Singh & Wood Farms, assignor to J. A. Wood Company, Growers, Packers and Shippers, Phoenix, Ariz. Fresh vegetables. Serial No. 551,827, Feb. 14. Class 46.
Sintering Machinery Corporation, Netcong, N. J. Apparatus for continuously weighing, recording and totalizing the weight of granular materials. Serial No. 564,660, Feb. 14. Class 26.
Skinner & Kennedy Company, St. Louis, Mo. Key holders. Serial No. 546,797, Feb. 14. Class 13.
Smith, J. Warren: *See*—
Vaponefrin Company.
Smith, Kline & French Laboratories, Philadelphia, Pa. Dispenser. Serial Nos. 563,637–8, Feb. 14. Class 44.
Smith, Robert B., New York, N. Y. Dolls, puppets, and animated character type of mechanical toys. Serial No. 580,000, Feb. 14. Class 22.
Southern Farms, Walkersville, Md. Ham, bacon, and scrapple. Serial No. 565,736, Feb. 14. Class 46.
Southern Fruit Distributors, Inc., Orlando, Fla. Fresh peaches and plums. Serial No. 554,434, Feb. 14. Class 46.
Southern Petroleum Company, Incorporated, Memphis, Tenn. Motor oil. Serial No. 562,280, Feb. 14. Class 15.
Southern Soda Works Company, Nashville, Tenn. Baking soda. Serial No. 570,002, Feb. 14. Class 46.
Spade Record Co., Newark, N. J. Grooved phonograph records. Serial No. 571,470, Feb. 14. Class 36.
Spectator Sportswear Company, Chicago, Ill. Men's sport-shirts and dress shirts. Serial No. 570,797, Feb. 14. Class 39.
Spectrum Fabrics Corporation: *See*—
Midland Fabrics Corporation.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del. White mineral oil for chemical, medicinal, pharmaceutical, and veterinary purposes; petroleum sulfonates; etc. Serial No. 552,513, Feb. 14. Class 52.
Standard Ultramarine Co., The, Huntington, W. Va. Pigments for use in the manufacture of protective coatings. Serial No. 566,364, Feb. 14. Class 16.
Sterling, Don L., Dallas, Tex. Neckwear. Serial No. 554,437, Feb. 14. Class 39.
Stokes Molded Products, Inc., Trenton, N. J. Parts of storage batteries. Serial No. 556,998, Feb. 14. Class 21.
Strathmore Packing House Co., Strathmore, Calif. Fresh citrus fruits. Serial No. 572,779, Feb. 14. Class 46.
Stuart, D. A., Oil Co., Limited, Chicago, Ill. Special lubricating compound in paste form. Serial No. 534,684, Feb. 14. Class 15.
Sunbeam Corporation, Chicago, Ill. Ground coffee. Serial No. 574,561, Feb. 14. Class 46.
Sunset Packing Co., Inc., Pembroke and West Pembroke, Maine. Canned fish. Serial No. 574,066, Feb. 14. Class 46.
Taylor, Chas., Sons Co., The: *See*—
Taylor's, Chas., Sons Company, The.
Taylor's, Chas., Sons Company, The, also doing business as the Chas. Taylor Sons Co., Cincinnati, Ohio. Refractory cements, refractory ramming mixes, refractory bricks, and refractory blocks. Serial No. 560,843, Feb. 14. Class 12.
Tectum Corporation: *See*—
Newark Industries, Inc.
Teich, Curt, & Company, Chicago, Ill. Post cards, etc. Serial No. 572,796, Feb. 14. Class 38.
Teich, Curt, & Company, Chicago, Ill. Post cards and pictorial illustrations. Serial No. 572,797, Feb. 14. Class 38.
Tele King Corporation: *See*—
Consolidated Television Corporation.
Telomatic Corporation of Norfolk, Norfolk, Va. Furnishing by wire of various types of background music for industries. Serial No. 539,238, Feb. 14. Class 107.
Thayer, Inc., Gardner, Mass. Juvenile furniture. Serial No. 570,993, Feb. 14. Class 32.
Thomas Hydraulic Speed Controls, Inc., Wichita, Kans. Hydraulic speed controls and variable speed hydraulic clutches. Serial No. 512,352, Feb. 14. Class 23.
Thomas, William M., doing business as Math Trend Financial Service, Albany, N. Y. Investment advisory service. Serial No. 546,836, Feb. 14. Class 100.
Thompson Bros. Shoe Co., Brockton, Mass. Boots and shoes. Serial No. 554,732, Feb. 14. Class 39.
Tide Water Associated Oil Company, San Francisco, Calif. Kerosene. Serial No. 552,372, Feb. 14. Class 15.
Tiger Products Company: *See*—
National Model Distributors.
Tikern Corporation, New York, N. Y. Photographic light stands. Serial No. 496,174, Feb. 14. Class 26.
Tingey, George, & Co., Limited, Manchester, England. Outer and under shirts, etc. Serial No. 566,052, Feb. 14. Class 39.
Town Toast Company, Phoenixville, Pa. Cookies. Serial No. 509,966, Feb. 14. Class 46.
Traders Oil Mill Company, Fort Worth, Tex. Compressed tablets of cottonseed protein, alfalfa meal, and minerals for stock feed. Serial No. 560,234, Feb. 14. Class 46.
Tri-Clover Machine Co., Kenosha, Wis. Sanitary metal tubing; pipe supports; valves; etc. Serial No. 549,298, Feb. 14. Class 13.
Tri-Clover Machine Co., Kenosha, Wis. Sanitary metal tubing; pipe supports; valves; etc. Serial No. 549,300, Feb. 14. Class 13.
Tri-Clover Machine Co., Kenosha, Wis. Sanitary metal tubing; pipe supports; valves; etc. Serial No. 549,302, Feb. 14. Class 13.
Trio Shoe Co. Inc., Brooklyn, N. Y. Men's, women's and children's shoes, slippers. Serial No. 571,241, Feb. 14. Class 39.
Troy, Seymour, New York, N. Y. Ladies' shoes. Serial No. 568,549, Feb. 14. Class 39.
Truax-Traer Coal Company, Chicago, Ill. Lignite Coal. Serial Nos. 561,955–6, Feb. 14. Class 1.
Turrell Shoe Company, Seattle, Wash. Leather shoes. Serial No. 556,681, Feb. 14. Class 39.
United Elastic Corporation, Easthampton, Mass. Woven non-elastic garment webbing. Serial No. 565,664, Feb. 14. Class 42.
United States Department of the Army, Washington, D. C. Informational, educational and entertainment services. Serial No. 578,943, Feb. 14. Class 107.
U. S. Line Company: *See*—
United States Whip Company.
United States Rubber Company, New York, N. Y. Synthetic rubber latex. Serial No. 565,022, Feb. 14. Class 1.
United States Shoe Corporation, The, Cincinnati, Ohio. Ladies' shoes. Serial No. 481,346, Feb. 14. Class 39.
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. Serial No. 555,905, Feb. 14. Class 22.
Vapo-Efrin Company: *See*—
Vaponefrin Company.
Vaponefrin Company, Portland, Oreg., assignor to A. C. Bonebrake and J. W. Smith, doing business as Vapo-Efrin Company, Vancouver, Wash. Nebulizers, aerosol masks, etc. Serial No. 569,918, Feb. 14. Class 44.
Vendo Company, The, Kansas City, Mo. Publication. Serial No. 573,016, Feb. 14. Class 38.
Von Lengerke & Antoine, Chicago, Ill. Fishing equipment or tackle; hunting equipment or tackle, etc. Serial No. 552,819, Feb. 14. Class 22.
Vulcan Asphalt Company, Inc., Buffalo, N. Y. Contracting services. Serial No. 538,477, Feb. 14. Class 103.
W & H Jewelry Company, Inc., Providence, R. I. Ladies' jewelry. Serial No. 577,760, Feb. 14. Class 28.
Webb Products Company, San Bernardino, Calif. Plastic composition for filling cracks, nicks, mars and scratches. Serial No. 567,062, Feb. 14. Class 12.
West, Bob, Guitar Company, Chicago, Ill. Guitars. Serial No. 540,002, Feb. 14. Class 36.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and loose writing paper. Serial No. 526,158, Feb. 14. Class 37.
Wheatley Foods, Incorporated, Louisville, Ky. Salad dressing. Serial No. 568,883, Feb. 14. Class 46.
White Turkey-Murray Hill, The, New York, N. Y. Purveying of food, beverages, and other refreshments. Serial No. 569,034, Feb. 14. Class 100.
Wiles, Russell, Jr., doing business as Rig Products Company, Oregon, Ill. Combination magnifying glass and shot-hole gauge. Serial No. 565,594, Feb. 14. Class 26.
Will, Oscar H., & Co., Bismarck, N. Dak. Plants, seeds, bulbs, flowers, etc. Serial No. 570,143, Feb. 14. Class 1.
Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles and structural parts thereof. Serial No. 458,520, Feb. 14. Class 19.
Winorr Canning Company, The, Circleville, Ohio. Canned peas, canned corn, canned string beans, etc. Serial No. 514,922, Feb. 14. Class 46.
Wise, J. M., Company, New York, N. Y. Men's and boys' robes. Serial No. 563,708, Feb. 14. Class 39.
Withrow, Arthur C., doing business as Arthur C. Withrow Company, Los Angeles, Calif. Motor oils, lubricating oils, and greases. Serial No. 574,938, Feb. 14. Class 15.
Withrow, Arthur C., Company: *See*—
Withrow, Arthur C.
Wolf'a, S., Sons, New York, N. Y. House paints, interior wall paints, floor paints, etc. Serial No. 568,884, Feb. 14. Class 16.
Wood, J. A., Company, Growers, Packers and Shippers: *See*—
Singh & Wood Farms.

LIST OF REGISTRANTS OF TRADE-MARKS

A & F Remedy Company: *See*—
Fussell, David C.
Alpha Kappa Psi Fraternity, Denver, Colo. Belt buckles, compacts, watch chain and keys, etc. 520,989, Feb. 14; Serial No. 546,744, published Nov. 15, 1949. Class 28.
Altman, B., & Co., New York, N. Y. Watches, clocks and parts thereof. 521,045, Feb. 14; Serial No. 570,167, published Nov. 15, 1949. Class 27.
American Blower Corporation, Detroit, Mich. Electric ventilating fans. 265,930, renewed Jan. 7, 1950. O. G. Feb. 14. Class 21.
American Lanolin Corporation, Lawrence, Mass. Face cream. 269,320, renewed Apr. 1, 1950. O. G. Feb. 14. Class 51.
American Machine and Metals, Inc., Sellersville, Pa. Pressure gauges, vacuum gauges, temperature gauges, etc. 520,997, Feb. 14; Serial No. 552,562, published Oct. 4, 1949. Class 26.
American Safety Razor Corporation, Brooklyn, N. Y. Shaving brushes. 521,029, Feb. 14; Serial No. 566,281, published Nov. 8, 1949. Class 29.
Amsterdam Textiles, assignor to Amsterdam Textiles, Inc., Amsterdam, N. Y. Braided cotton rugs. 520,982, Feb. 14; Serial No. 538,588, published Nov. 15, 1949. Class 42.
Amsterdam Textiles, Inc.: *See*—
Amsterdam Textiles.
Antidolor Mfg. Co., Inc., The, Springville, to Cook-Waite Laboratories, Inc., New York, N. Y. Dentifrices, mouth washes, dental and medical antiseptics, etc. 263,774, renewed Nov. 12, 1949. O. G. Feb. 14. Class 18.
Archer-Daniels-Midland Company, Minneapolis, Minn., doing business as The Werner G. Smith Company, Cleveland, Ohio. Core binder oil of an adhesive material. 512,044, Feb. 14; Serial No. 569,731, published Nov. 8, 1949. Class 5.
B. V. D. Corporation, The, New York, N. Y. Sheets and pillow cases. 521,054, Feb. 14; Serial No. 573,470, published Nov. 8, 1949. Class 42.
Basore, Helen, doing business as Fabrics Designs Company, Pasadena, Calif. Textile goods. 521,040, Feb. 14; Serial No. 568,829, published Nov. 15, 1949. Class 42.
Beach-Russ Co., Brooklyn, N. Y. Pumps. 269,974, renewed Apr. 22, 1950. O. G. Feb. 14. Class 23.
Blackstone Corporation: *See*—
Blackstone Manufacturing Company, Inc.
Blackstone Manufacturing Company, Inc., by Blackstone Corporation, Jamestown, N. Y. Laundry washing machines. 355,528, Mar. 22, 1938. Republished Feb. 14. Class 24.
Boott Mills, Lowell, Mass. Corduroy fabrics in the piece. 521,036, Feb. 14; Serial No. 568,143, published Nov. 15, 1949. Class 42.
Borden Company, The: *See*—
Casein Manufacturing Company of America, Inc., The.
Boyle, John, & Company, Incorporated, New York, N. Y. Cotton duck and filter cloth in the piece. 267,413, renewed Feb. 18, 1950. O. G. Feb. 14. Class 42.
Bradas & Gheens, by Bradas & Gheens, Inc., Louisville, Ky. Candy. 73,104, Mar. 16, 1909. Republished Feb. 14. Class 46.
Bradas & Gheens, Inc.: *See*—
Bradas & Gheens.
Branson Instruments, Inc., Danbury, Conn. Electronic thickness measuring apparatus. 521,004, Feb. 14; Serial No. 555,987, published Oct. 4, 1949. Class 26.
Bray, Geo., & Co., Limited, Leeds, England. Gas-burners of ordinary metal. 61,800–1, Apr. 9, 1907. Republished Feb. 14. Class 34.
Bray, Geo., & Co., Limited, Leeds, England. Metal gas-burners. 61,802, Apr. 9, 1907. Republished Feb. 14. Class 34.
Bray, Geo., & Co., Limited, Leeds, England. Gas-burners of ordinary metal. 61,804–5, Apr. 9, 1907. Republished Feb. 14. Class 34.
Bray, Geo., & Co., Limited, Leeds, England. Gas-burners of ordinary metal. 87,724, Aug. 6, 1912. Republished Feb. 14. Class 34.
Bray, Geo., & Co., Limited, Leeds, England. Gas burners. 186,280, July 8, 1924. Republished Feb. 14. Class 34.
Breuer Electric Mfg. Company: *See*—
Hansen, George H.
Brown & Ackerman, Inc., New York, N. Y. Cotton twill piece goods. 521,042, Feb. 14; Serial No. 569,428, published Nov. 15, 1949. Class 42.
Brown Shoe Company, The, to Brown Shoe Company, Inc., St. Louis, Mo. Men's and women's leather, canvas, and cloth shoes. 76,960, re-renewed Mar. 1, 1950. O. G. Feb. 14. Class 39.
Brown Shoe Company, Inc.: *See*—
Brown Shoe Company, The.
Buck X-Ograph Company, St. Louis, Mo. Photographic solution tanks, X-ray developing tanks, compartment developing tanks, etc. 521,010, Feb. 14; Serial No. 559,002, published Oct. 4, 1949. Class 26.
Burlington Mills Corporation, Greensboro, N. C. Cotton gingham. 520,988, Feb. 14; Serial No. 546,366, published Oct. 26, 1948. Class 42.
Busch Precision Camera Corporation, Chicago, Ill. Cameras, projectors, enlargers, etc. 520,976, Feb. 14; Serial No. 520,930, published Oct. 4, 1949. Class 26.
Byron Hat Corporation, New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Hats and caps for men, overcoats for men, hats for women, etc. 270,065, renewed Apr. 22, 1950. O. G. Feb. 14. Class 39.
Campana Corporation, Batavia, Ill. Facial make-up preparation. 520,980, Feb. 14; Serial No. 534,600, published Sept. 7, 1948. Class 51.
Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Metallic roofing sheets. 367,091, May 9, 1939. Canceled Jan. 17, 1950. O. G. Feb. 14. Class 12.
Casein Manufacturing Company of America, Inc., The, Wilmington, Del., to The Borden Company, New York, N. Y. Glue. 266,071, renewed Jan. 14, 1950. O. G. Feb. 14. Class 5.
Chatham Manufacturing Company, Elkin, N. C. Blankets. 521,035, Feb. 14; Serial No. 567,955, published Nov. 1, 1949. Class 42.
Churchill & Alden, Campello, to Doyle Shoe Company, Inc., Brockton, Mass. Shoes. 33,801, re-renewed Nov. 28, 1949. O. G. Feb. 14. Class 39.
Ciba Limited, Basel, Switzerland. Coal tar colors. 521,015–17, Feb. 14; Serial Nos. 560,969–71, published Nov. 1, 1949. Class 6.
Ciba Limited, Basel, Switzerland. Dyestuffs. 521,018–19, Feb. 14; Serial Nos. 560,979–80, published Nov. 1, 1949. Class 6.
Ciba Limited, Basel, Switzerland. Chemical products. 521,020, Feb. 14; Serial No. 560,985, published Nov. 1, 1949. Class 6.
Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 269,028, renewed Mar. 25, 1950. O. G. Feb. 14. Class 52.
Colton Razor Blade Company: *See*—
Ruble Blade Corporation.
Compagnie des Montres Marvin S. A., La Chaux de Fonds, Switzerland. Watches, watch movements, parts of watches and of watch movements. 521,048, Feb. 14; Serial No. 572,354, published Nov. 8, 1949. Class 27.
Consolidated Royal Chemical Corporation, Chicago, Ill. Hair oil, permanent wave oil, lemon shampoo, etc. 520,986, Feb. 14; Serial No. 543,891, published Oct. 18, 1949. Class 51.
Cook-Waite Laboratories, Inc.: *See*—
Antidolor Mfg. Co., Inc., The.
Corn Products Refining Company, New York, N. Y. Starch. 521,026, Feb. 14; Serial No. 565,416, published Oct. 18, 1949. Class 6.
Cornhall & Company, Inc., New York, N. Y. Piece goods. 443,760, Feb. 14; Serial No. 524,054, published Nov. 15, 1949. Class 42.
Crompton Company, Crompton, R. I. Fabrics in the piece. 521,055, Feb. 14; Serial No. 573,925, published Nov. 1, 1949. Class 42.
Crompton Company, Crompton, R. I. Fabrics in the piece. 521,056, Feb. 14; Serial No. 573,927, published Nov. 8, 1949. Class 42.
Cyma Watch Co., Inc., New York, N. Y., assignor to Tavannes Watch Co., S. A., Tavannes, Switzerland. Watches, watch cases, and watch movements. 521,007, Feb. 14; Serial No. 557,343, published Nov. 15, 1949. Class 27.
Davadon Laboratories: *See*—
Silver, David F.
Delta Sigma Gamma Sorority, Atlanta, Ga. Sorority pins, finger rings, buttons, etc. 521,006, Feb. 14; Serial No. 557,264, published Nov. 15, 1949. Class 28.
Delta Sigma Fraternity, Chicago, Ill. Fraternity pins, finger rings, and lapel buttons. 521,058, Feb. 14; Serial No. 575,851, published Nov. 8, 1949. Class 28.
Detroit Graphite Company, to Detroit Graphite Company, Detroit, Mich. Ready-mixed paint. 270,108, renewed Apr. 29, 1950. O. G. Feb. 14. Class 16.
Di Giorgio Fruit Corporation: *See*—
Earl Fruit Company.
Ditto, Incorporated, Chicago, Ill. Preparation for blocking out ink writing or ink spots, etc. 521,009–1, Feb. 14; Serial Nos. 554,868–9, published July 26, 1949. Class 51.
Doyle Shoe Company, Inc.: *See*—
Churchill & Alden.
Du-Fold Mop Manufacturing Company, Cleveland, Ohio. Sponge-type mops and components thereof. 521,003, Feb. 14; Serial No. 555,740, published Nov. 15, 1949. Class 29.
Duplan Corporation, The, New York, N. Y. Fabrics. 520,987, Feb. 14; Serial No. 544,068, published Nov. 1, 1949. Class 42.

Du Pont, E. I., de Nemours and Company: *See*—
Grasselli Chemical Company, The.

Earl Fruit Company, Wenatchee, Wash., to Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh apples and fresh pears. 262,351, renewed Oct. 1, 1949. O. G. Feb. 14. Class 46.

Ednalite Optical Company, Inc., The, New York, N. Y. Optical and photographic filters, lenses, and magnifying glasses. 520,994, Feb. 14; Serial No. 551,373, published Oct. 18, 1949. Class 26.

Electric & Musical Industries Limited, Hayes, Middlesex, England. Electric measuring bridges; watt meters; apparatus for indicating relative world times; etc. 443,761, Feb. 14; Serial No. 524,961, published Sept. 13, 1949. Class 26.

Elgin National Watch Company, Elgin, Ill. Watches and watch movements. 521,030, Feb. 14; Serial No. 566,695, published Nov. 15, 1949. Class 27.

Elmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware and hollow ware. 521,057, Feb. 14; Serial No. 574,691, published Nov. 15, 1949. Class 28.

Elrene Manufacturing Co., New York, N. Y. Tablecloths, shower curtains, window curtains. 521,014, Feb. 14; Serial No. 560,553, published Nov. 1, 1949. Class 42.

Endicott Johnson Corporation, Endicott, N. Y. Tennis shoes or sneakers. 259,506, July 30, 1929. Republished Feb. 14. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Boots, shoes, and slippers. 262,191, Oct. 1, 1929. Republished Feb. 14. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Boots, shoes, and slippers. 265,733, Jan. 7, 1930. Republished Feb. 14. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Boots and shoes. 265,735, Jan. 7, 1930. Republished Feb. 14. Class 39.

Etablissements Boudios, Romilly-sur-Seine, France. Elastic fabrics in the piece. 521,021, Feb. 14; Serial No. 561,172, published Nov. 15, 1949. Class 42.

Exact Weight Scale Company, The, Columbus, Ohio. Weighing scales, indicators, weight checking apparatus, etc. 520,990, Feb. 14; Serial No. 549,914, published Oct. 4, 1949. Class 26.

Fabrics Designs Company: *See*—
Basore, Helen.

Farmco, Inc., Jersey City, N. J., and New York, N. Y. Electric refrigerators. 422,089, July 2, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14. Class 31.

Farmco, Inc., Jersey City, N. J., and New York, N. Y. Gas water heaters. 422,211, July 9, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14. Class 34.

Farmco, Inc., Jersey City, N. J., and New York, N. Y. Electric motors. 423,516, Sept. 3, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14. Class 21.

Farmco, Inc., Jersey City, N. J., and New York, N. Y. Electric cream separators. 423,516, Sept. 3, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14. Class 23.

Farmco, Inc., Jersey City, N. J., and New York, N. Y. Household type electric clothes washing machines. 431,216, July 15, 1947. Canceled Jan. 13, 1950. O. G. Feb. 14. Class 24.

Finlay Straus, Inc., New York, N. Y. Watches and watch movements. 521,049, Feb. 14; Serial No. 573,013, published Nov. 15, 1949. Class 27.

Firestone Tire & Rubber Company, The, Akron, Ohio. Films and sheets of plastics and/or synthetic or natural resins. 443,757, Feb. 14; Serial No. 468,239, published Nov. 15, 1949. Class 42.

Fisher Flouring Mills Company, Seattle, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 283,296–7, renewed Nov. 5, 1949. O. G. Feb. 14. Class 46.

Fitzhugh, William W., Inc., Brooklyn, N. Y. Writing paper and envelopes, boxed writing paper and envelopes, etc. 521,065, Feb. 14; Serial No. 520,157. Class 37.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 521,052, Feb. 14; Serial No. 573,233, published Nov. 8, 1949. Class 42.

Franck, Marcel, Inc., New York, N. Y. Atomisers. 263,560, renewed Nov. 5, 1949. O. G. Feb. 14. Class 44.

French, Eben R., Tacoma, Wash. Mixture of ingredients having therapeutic value. 443,758, Feb. 14; Serial No. 483,522, published Feb. 26, 1946. Class 18.

Fulton Bag & Cotton Mills, Atlanta, Ga. Furniture pads. 265,524, renewed Dec. 31, 1949. O. G. Feb. 14. Class 50.

Fussell, David C., doing business as A & F Remedy Company, Raleigh, N. C. Remedy for the relief of athletes' foot. 521,046, Feb. 14; Serial No. 570,485, published Nov. 8, 1949. Class 18.

Galvin Manufacturing Corporation: *See*—
Motorola, Inc.

Geigy Company, Inc., New York, N. Y. Dyestuffs, lakes, and chemical products. 263,507, renewed Nov. 5, 1949. O. G. Feb. 14. Class 6.

General Mills, Inc., Minneapolis, Minn. Stock and poultry feed. 269,585, Apr. 15, 1930. Amended. O. G. Feb. 14. Class 46.

Globe Instrument Company, Inc.: *See*—
Hancock, John, Pen Company, Inc.

Glover, H. Clay, Co., Inc., New York, N. Y. Mange medicines, antiseptic medicated ointment, etc. 520,971, Feb. 14; Serial No. 483,526, published Oct. 18, 1949. Class 51.

Goetz, Herbert A., Ann Arbor, Mich. Bond paper. 521,062, Feb. 14; Serial No. 514,813. Class 37.

Golden Nugget Sweets, to Golden Nugget Sweets, Ltd., San Francisco, Calif. Candy. 269,832, renewed Apr. 22, 1950. O. G. Feb. 14. Class 46.

Golden Nugget Sweets, Ltd.: *See*—
Golden Nugget Sweets.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 269,659, renewed Apr. 15, 1950. O. G. Feb. 14. Class 35.

Graff Company, Inc., The, New York, N. Y., to J. Schoeneman, Inc., Baltimore, Md. Men's suits, topcoats, and overcoats. 259,697, renewed Aug. 6, 1949. O. G. Feb. 14. Class 39.

Granite Looms, Inc., Fall River, Mass. Dishcloths. 521,031, Feb. 14; Serial No. 566,877, published Nov. 15, 1949. Class 42.

Grasselli Chemical Company, The, Cleveland, Ohio, by E. I. du Pont de Nemours and Company, Wilmington, Del. Metallic salts for electrolytic plating. 193,915, Jan. 13, 1925. Republished Feb. 14. Class 6.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Salted mixed nuts. 268,809, renewed Mar. 18, 1950. O. G. Feb. 14. Class 46.

Grumbacher, M., Inc., New York, N. Y. Artists' brushes. 520,985, Feb. 14; Serial No. 543,600, published Nov. 15, 1949. Class 29.

Hall & Ruckel, Inc., New York, N. Y. Antiseptic salve or ointment. 520,981, Feb. 14; Serial No. 537,582, published Mar. 8, 1949. Class 18.

Hancock, John, Pen Company, Inc., New York and Woodside, N. Y., assignee of Globe Instrument Company, Inc. Ball pens and ink pencils. 521,063, Feb. 14; Serial No. 516,012. Class 37.

Hansen, George H., Philadelphia, Pa., to Breuer Electric Mfg. Company, Chicago, Ill. Electrically-driven portable electric cleaning blowers and suction cleaners and sprayer, etc. 266,321, renewed Jan. 14, 1950. O. G. Feb. 14. Class 21.

Hartley Tool & Die Company: *See*—
Hartley Wire Die Company.

Hartley Wire Die Company, by Hartley Tool & Die Company, Thomaston, Conn. Cemented carbide dies; wire drawing dies; cemented carbide special tools. 409,053, Sept. 12, 1944. Republished Feb. 14. Class 23.

Hat Corporation of America: *See*—
Byron Hat Corporation.

Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh citrus fruits. 269,586, renewed Apr. 15, 1950. O. G. Feb. 14. Class 46.

Howard Manufacturing Company: *See*—
Teter, Gladys E.

Interchemical Corporation, New York, N. Y. Printing inks. 521,009, Feb. 14; Serial No. 558,396, published Nov. 15, 1949. Class 11.

Intercontinental Meat Corporation, to Intercontinental Packers, Ltd., Saskatoon, Saskatchewan, Canada. Canned hams and picnics. 356,201, Apr. 19, 1938. New certificate. O. G. Feb. 14. Class 46.

Intercontinental Packers, Ltd.: *See*—
Intercontinental Meat Corporation.

International Nickel Co., The, by The International Nickel Company, Inc., New York, N. Y. Metal alloys. 142,583, May 17, 1921. Republished Feb. 14. Class 14.

International Nickel Company, Inc., The, New York, N. Y. Nickel alloys and alloys of nickel, chromium, and iron. 308,200, Nov. 21, 1933. Republished Feb. 14. Class 14.

International Nickel Company, Inc., The, New York, N. Y. Nickel-containing alloys. 403,265, Sept. 14, 1943. Republished Feb. 14. Class 14.

International Nickel Company, Inc., The, New York, N. Y. Nickel containing alloys. 403,505, Sept. 28, 1943. Republished Feb. 14. Class 14.

International Nickel Company, Inc., The: *See*—
International Nickel Co., The.

Iowa Soap Company, Burlington, Iowa. Toilet soap. 33,688, Nov. 7, 1899. Republished Feb. 14. Class 52.

Jenkins & Sons, Inc., Jacksonville, Fla. Diamond finger rings. 521,033, Feb. 14; Serial No. 567,699, published Oct. 18, 1949. Class 28.

Kansas City Southern Railway Company, The, Kansas City, Mo. Railroad passenger transportation service. 521,059, Feb. 14; Serial No. 538,421, published Aug. 30, 1949. Class 105.

Kar Glamor, Inc., Indianapolis, Ind. Protective coating composition and polish. 521,012, Feb. 14; Serial No. 559,518, published Oct. 18, 1949. Class 16.

Kohnstamm, H., & Co., Inc., New York, N. Y. Colors used in the preparation of cosmetics. 521,027, Feb. 14; Serial No. 565,557, published Oct. 18, 1949. Class 51.

Kuster Laboratories, Inc., San Francisco, Calif. Food product. 521,070, Feb. 14; Serial No. 553,380. Class 46.

Landis & Gyr A. G., Zug, Switzerland. Electricity measuring instruments. 520,992, Feb. 14; Serial No. 550,525, published Oct. 4, 1949. Class 26.

Lemieux, Armand J., Corporation, New York, N. Y. Watch cases. 521,038, Feb. 14; Serial No. 568,313, published Nov. 8, 1949. Class 27.

Lowe, Joe, Corporation, Brooklyn, to Joe Lowe Corporation, New York, N. Y. Doughnuts. 265,177, renewed Dec. 17, 1949. O. G. Feb. 14. Class 46.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Thermometers, temperature and pressure controllers, tachometers, etc. 520,972, Feb. 14; Serial No. 509,856, published Oct. 11, 1949. Class 26.

Martin Varnish Company, Chicago, Ill. Varnishes, paint enamels, baking enamels, etc. 521,068, Feb. 14; Serial No. 529,283. Class 16.

Martindale, Ralph, & Co., Limited, Birmingham, England. Machetes. 76,344, re-renewed Jan. 4, 1950. O. G. Feb. 14. Class 28.

McClaran, Joe T., doing business as Sunshine Hatcheries, by Sunshine Hatcheries, Corydon, Ind. Baby chicks. 230,763, Aug. 2, 1927. Republished Feb. 14. Class 1.

McDonald & Olliff, Inc., Wauchula, Fla. Citrus juices for food purposes, and fresh citrus fruits. 417,503, Oct. 30, 1945. Republished Feb. 14. Class 46.

McDonald & Olliff, Inc., Wauchula, Fla. Citrus juices for food purposes, and fresh citrus fruits. 417,634, Nov. 6, 1945. Republished Feb. 14. Class 46.

McDonald & Olliff, Inc., Wauchula, Fla. Canned citrus fruit juice and canned citrus fruit sections. 440,929, Oct. 12, 1948. Republished Feb. 14. Class 46.

Melodiana Accordion Company, West New York, N. J. Accordions. 521,025, Feb. 14; Serial No. 564,285, published Aug. 10, 1949. Class 36.

Miami Margarine Company, The, Cincinnati, Ohio. Margarine. 521,024, Feb. 14; Serial No. 562,591, published Oct. 4, 1949. Class 46.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed tape. 521,060, Feb. 14; Serial No. 507,833. Class 5.

Mikesell, Freeman S., Chetek, Wis. Artificial bait. 404,629, Dec. 7, 1943. Canceled Jan. 16, 1950. O. G. Feb. 14. Class 22

Milprint, Inc., Milwaukee, Wis. Non-electrical advertising and display signs. 521,064, Feb. 14; Serial No. 517,652. Class 50.

Monarch Chenilles, Incorporated, Dalton, Ga. Textile rugs, bedspreads, automobile robes, and bath mat sets. 521,008, Feb. 14; Serial No. 557,860, published Nov. 8, 1949. Class 42.

Morton Salt Company: *See*—
Myles Salt Co., Ltd.

Motorola, Inc., by change of name from Galvin Manufacturing Corporation, Chicago, Ill., 520,977, Feb. 14. Automobile heaters, cargo heaters, defroster units, control units, etc., Serial No. 567,202, published Nov. 1, 1949. Class 19; Radio condensers, electric transformers, vibrators for radio apparatus, Serial No. 522,806, published Jan. 25, 1949, Class 21; Radio receiving apparatus, radio transmitting apparatus, combination radio receiving and transmitting apparatus, etc., Serial No. 567,268, published Aug. 2, 1949, Class 21; Space heater, Serial No. 522,613, published Feb. 22, 1949, Class 34. (Consolidated certificate, Classes 19, 21, and 34.)

Movado Watch Agency, Inc., New York, N. Y. Watches. 520,973, Feb. 14; Serial No. 520,519, published Nov. 15, 1949. Class 27.

Muralo Company, Inc., The, New Brighton, to Muralo Company, Inc., The, Staten Island, N. Y. Dry powder to be mixed with water and used as a plastic paint. 264,163–4, renewed Nov. 19, 1949. O. G. Feb. 14. Class 16.

Murray Bros. & Co., Limited, Bulwell, England. Knitted, netted, and textile fabrics. 521,002. Feb. 14; Serial No. 555,431, published Nov. 8, 1949. Class 42.

Muscle Power Publishing Company: *See*—
Wieder, Joseph E.

Myers, Harry, & Company, Inc.: *See*—
Sonneborn, Henry, Company.

Myles Salt Co., Ltd., New Orleans, La., by Morton Salt Company, Chicago, Ill. Salt. 215,434, July 20, 1926. Republished Feb. 14. Class 46.

Myles Salt Co., Ltd., New Orleans, La., by Morton Salt Company, Chicago, Ill. Salt. 215,460, July 20, 1926. Republished Feb. 14. Class 46.

Myles Salt Co., Ltd., New Orleans, La., by Morton Salt Company, Chicago, Ill. Table salt. 323,080, Apr. 2, 1935. Republished Feb. 14. Class 46.

National Exchange Club, The, Toledo, Ohio. Printed paper banners, etc. 266,968, Feb. 11, 1930. Corrected. O. G. Feb. 14. Class 38.

National Tea Co.: *See*—
Rasmussen, Geo., Co.

Native Laces & Textiles, Incorporated, New York, N. Y. Knitted jersey cloth in the piece. 520,995, Feb. 14; Serial No. 551,809, published Nov. 1, 1949. Class 42.

Newark Glassine Bag Co., Newark, N. J. Paper sheets. 521,069, Feb. 14; Serial No. 543,519. Class 37.

New Method Paint Co., Kansas City, Mo. Paint enamel, varnish, varnish stain, and ground color for varnish stain. 521,067, Feb. 14; Serial No. 521,605. Class 16.

New Rexbilt Leather Goods Corporation, New York, N. Y. Leather goods. 425,848, Dec. 3, 1946. Canceled Jan. 16, 1950. O. G. Feb. 14. Class 3.

Oceanic Sales Co., Seattle, Wash. Canned salmon. 268,247, renewed Mar. 11, 1950. O. G. Feb. 14. Class 46.

Ohio Cultivator Company, The, Bellevue, Ohio. One-way disc plows, etc. 383,432, Dec. 10, 1940. Corrected. O. G. Feb. 14. Class 23.

Oklahoma Steel Castings Company, to Oklahoma Steel Castings Company, Inc., Tulsa, Okla. Steel castings. 259,969, renewed Aug. 13, 1949. O. G. Feb. 14. Class 14.

Oklahoma Steel Castings Company, Inc.: *See*—
Oklahoma Steel Castings Company.

Orientex, Ltd., New York, N. Y. Textiles and textile products. 520,991, Feb. 14; Serial No. 550,065, published Nov. 1, 1949. Class 42.

Paraffine Companies, Inc., The, San Francisco, Calif. Plastic reinforced with long asbestos fibres. 521,073, Feb. 14; Serial No. 558,591. Class 12.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Dusting brushes and scrubbing brushes. 520,999, Feb. 14; Serial No. 554,701, published Nov. 15, 1949. Class 29.

Polymer Corporation, The, Reading, Pa. Coloring compounds. 520,998, Feb. 14; Serial No. 554,152, published Oct. 25, 1949. Class 6.

Priestley, B., & Co., Inc., New York, N. Y. Piece goods. 521,011, Feb. 14; Serial No. 559,119, published Nov. 8, 1949. Class 42.

Procter & Gamble Company, The, Cincinnati, Ohio. Cosmetic cream 520,979, Feb. 14; Serial No. 532,491, published Oct. 25, 1949. Class 51.

Puritan Chemical Company, Atlanta, Ga. Chemical preparation. 521,043, Feb. 14; Serial No. 569,476, published Oct. 18, 1949. Class 52.

Pynol Company, The, Quincy, Ill. Hand and toilet soap. 443,759, Feb. 14; Serial No. 494,233, published Oct. 1, 1946. Class 52.

Quaker State Oil Refining Corporation, Oil City, Pa. Motor oil. 521,072, Feb. 14; Serial No. 555,767. Class 15.

Quik-Seal, Inc., Kansas City, Kans. Sealing machines. 510,528, June 7, 1949. Corrected. O. G. Feb. 14. Class 23.

Radio Corporation of America, New York, N. Y. Grooved phonograph records and non-electric phonographs. 521,013, Feb. 14; Serial No. 559,638, published Oct. 11, 1949. Class 36.

Radio Frequency Laboratories, Inc., Boonton, N. J. Measuring and testing apparatus. 521,005, Feb. 14; Serial No. 556,126, published Oct. 4, 1949. Class 26.

Rasmussen, Geo., Co., to National Tea Co., Chicago, Ill. Nonalcoholic beverages. 270,189, renewed Apr. 29, 1950. O. G. Feb. 14. Class 45.

Reed & Carnrick, Jersey City, N. J. Medicinal products. 265,044, renewed Dec. 10, 1949. O. G. Feb. 14. Class 18.

Reidel & Co. Inc.: *See*—
Reidel, J. D., Aktiengesellschaft.

Reidel, J. D., Aktiengesellschaft, Berlin, Germany, to Reidel & Co. Inc., Brooklyn, N. Y. Remedy for rheumatism and grippe. 76,952, re-renewed Mar. 1, 1950. O. G. Feb. 14. Class 18.

Reily, Wm. B., & Company, Inc., New Orleans, La. Coffee and chicory compound. 268,501, renewed Mar. 18, 1950. O. G. Feb. 14. Class 46.

Robins, A. H., Company, Richmond, Va. Laxative preparation. 521,047, Feb. 14; Serial No. 570,579, published Nov. 8, 1949. Class 18.

Rolled Plate Metal Company, New York, to Rolled Plate Metal Company, Brooklyn, N. Y. Copper and zinc photoengravers' plates. 269,912, renewed Apr. 22, 1950. O. G. Feb. 14. Class 14.

Ruble Blade Corporation, New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades. 264,939–40, renewed Dec. 10, 1949. O. G. Feb. 14. Class 23.

Saftoy, Inc., Oak Lawn, Ill. Toy power plants. 521,061, Feb. 14; Serial No. 511,901. Class 22.

Schering Corporation, Bloomfield, N. J. Medicinal preparation. 521,037, Feb. 14; Serial No. 568,281, published Oct. 25, 1949. Class 18.

Schneider, F. A., doing business as Warren Dried Fruit Co., by Warren Dried Fruit Co., San Jose, Calif. Dried fruits. 277,865, Dec. 2, 1930. Republished Feb. 14. Class 46.

Schoeneman, J., Inc.: *See*—
Graff Company, Inc., The.

Schrank, M. C., & Company, Bridgeton, N. J. Underwear for women. 270,061, renewed Apr. 22, 1950. O. G. Feb. 14. Class 39.

Scotland, Bayard S., Joliet, Ill., to Stokely-Van Camp, Inc., Indianapolis, Ind. Macaroni. 260,806, renewed Aug. 27, 1949. O. G. Feb. 14. Class 46.

Scott, Charles D., Trenton, N. J. Antiseptic wafers. 264,356, renewed Nov. 26, 1949. O. G. Feb. 14. Class 18.

Sickles, M., & Sons, Inc., Philadelphia, Pa. Finger rings. 521,028, Feb. 14; Serial No. 565,899, published Nov. 8, 1949. Class 28.

Silver, David F., doing business as Davadon Laboratories, Peekskill, N. Y. Chemical preparation. 521,071, Feb. 14; Serial No. 554,615. Class 6.

Singer & Newburger, Inc., New York, N. Y. Permanent finish, crease resistant cotton cloth. 521,053, Feb. 14; Serial No. 573,341, published Nov. 1, 1949. Class 42.

Smidth, F. L., & Co., New York, N. Y. Cement-making machinery. 268,224, renewed Mar. 11, 1950. O. G. Feb. 14. Class 23.

Smith, Werner G., Company, The: *See*—
Archer-Daniels-Midland Company.

Sonneborn, Henry, Company, to Harry Myers & Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 263,322, renewed Nov. 5, 1949. O. G. Feb. 14. Class 39.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Chemical preparation. 520,996, Feb. 14; Serial No. 552,015, published Oct. 18, 1949. Class 18.
Stokely-Van Camp, Inc.: *See*—
Scotland, Bayard S.
Sun Oil Company, Philadelphia, Pa. Special hydraulic fluid. 521,034, Feb. 14; Serial No. 567,723, published Oct. 25, 1949. Class 6.
Sunshine Hatcheries: *See*—
McClaran, Joe T.
Tappan Stove Company, The, Mansfield, Ohio. Dials and cooperating charts. 520,993, Feb. 14; Serial No. 550,846, published Oct. 4, 1949. Class 26.
Tavannes Watch Co., S. A.: *See*—
Cyma Watch Co., Inc.
Teter, Gladys E., doing business as Howard Manufacturing Company, Boston, Mass. Thermometer. 521,074, Feb. 14; Serial No. 564,915. Class 26.
Tiz-Kwik Oil Products Company, Wellsville, N. Y. Penetrating oil for rust. 521,075, Feb. 14; Serial No. 571,366. Class 15.
Tobacco By-Products and Chemical Corporation, Wilmington, Del., and Louisville, Ky., to Tobacco By-Products and Chemical Corporation, Richmond, Va. Tobacco extracts and nicotine solutions and compounds for insecticide purposes. 266,166, renewed Jan. 14, 1950. O. G. Feb. 14. Class 6.
Tobacco By-Products and Chemical Corporation, Wilmington, Del., and Louisville, Ky., to Tobacco By-Products and Chemical Corporation, Richmond, Va. Tobacco extracts and nicotine solutions and compounds for insecticide purpoees. 266,175, renewed Jan. 14, 1950. O. G. Feb. 14. Class 6.
Tripoli Barbers' Supply Company: *See*—
Tripoli Barber Supply Co. Inc.
Tripoli Barber Supply Co. Inc., to Tripoli Barbers' Supply Company, Philadelphia, Pa. Hairdressings. 269,683, renewed Apr. 15, 1950. O. G. Feb. 14. Class 51.
United Piece Dye Works, The, Lodi, N. J., and New York, N. Y. Piece goods. 521,032, Feb. 14; Serial No. 567,059, published Nov. 8, 1949. Class 42.
Vallura Corporation, Clifton, N. J. Flocked rayon fabrics in the piece. 520,983, Feb. 14; Serial No. 541,363, published Nov. 1, 1949. Class 42.
Van Baalen Heilbrun & Co., to Van Baalen Heilburn & Co., Inc., New York, N. Y. Lounging robes, house coats, bath robes, etc. 270,177, renewed Apr. 29, 1950. O. G. Feb. 14. Class 39.
Van Baalen Heilburn & Co., Inc.: *See*—
Van Baalen Heilbrun & Co.
Vitamins Limited, London, England. Pharmaceutical vitamin preparations. 521,022, Feb. 14; Serial No. 562,107, published Oct. 18, 1949. Class 18.
Warren Dried Fruit Co.: *See*—
Schneider, F. A.
Wearever Shower Curtain Corp., Brooklyn, N. Y. Shower curtains. 521,061, Feb. 14; Serial No. 573,219, published Nov. 1, 1949. Class 42.
Weider, Joseph E., doing business as Muscle Power Publishing Company, Montreal, Quebec, Canada. Magazine. 521,066, Feb. 14; Serial No. 520,485. Class 38.
Whitehouse Products, Inc., Brooklyn, N. Y. Cameras, flash attachments and camera cases. 520,978, Feb. 14; Serial No. 527,452, published Oct. 4, 1949. Class 26.
Whiting-Adams Company, Inc., Boston, Mass. Brushes. 520,974, Feb. 14; Serial No. 520,584, published Nov. 15, 1949. Class 29.
Whiting-Adams Company, Inc., Boston, Mass. Brushes. 520,975, Feb. 14; Serial No. 520,586, published Nov. 15, 1949. Class 29.
Whitman, Philip G., Inc., New York, N. Y. Plastic coated rubber impregnated fabric. 521,050, Feb. 14; Serial No. 573,156, published Nov. 8, 1949. Class 42.
Winthrop-Stearns Inc., New York, N. Y. Analgesic and sedative preparation. 521,023, Feb. 14; Serial No. 562,514, published Oct. 18, 1949. Class 18.
Worcester Knitting Company, Worcester, Mass. Knit piece goods. 520,984, Feb. 14; Serial No. 541,903, published Nov. 8, 1949. Class 42.
Wyeth Incorporated, Philadelphia, Pa. Methionine and B-complex vitamins. 521,039, Feb. 14; Serial No. 568,772, published Nov. 8, 1949. Class 18.
York Street Flax Spinning Co. Limited, Belfast, Ireland. Linen piece goods and linen union piece goods. 517,768, Nov. 22, 1949. Corrected. O. G. Feb. 14. Class 42.
Young Radiator Company, Racine, Wis. Chemical solution. 521,041, Feb. 14; Serial No. 568,885, published Nov. 8, 1949. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chicks, Baby. J. T. McClaran. 230,763, Aug. 2, 1927. Republished Feb. 14.

CLASS 3

Leather goods. New Rexbilt Leather Goods Corporation. 425,848, Dec. 3, 1946. Canceled Jan. 16, 1950. O. G. Feb. 14.

CLASS 5

Binder oil, Core, of an adhesive material. Archer-Daniels-Midland Company. 512,044, Feb. 14; Serial No. 569,731, published Nov. 8, 1949.
Glue. The Casein Manufacturing Company of America, Inc. 266,071, renewed Jan. 14, 1950. O. G. Feb. 14.
Tape, Gummed. Mid-States Gummed Paper Co. 521,060, Feb. 14; Serial No. 507,833.

CLASS 6

Chemical preparation. D. F. Silver. 521,071, Feb. 14; Serial No. 554,615.
Chemical products. Ciba Limited. 521,020, Feb. 14; Serial No. 560,985, published Nov. 1, 1949.
Chemical solution. Young Radiator Company. 521,041, Feb. 14; Serial No. 568,885, published Nov. 8, 1949.
Coal tar colors. Ciba Limited. 521,015–17, Feb. 14; Serial Nos. 560,969–71, published Nov. 1, 1949.
Coloring compounds. The Polymer Corporation. 520,998, Feb. 14; Serial No. 554,152, published Oct. 25, 1949.
Dyestuffs. Ciba Limited. 521,018–19, Feb. 14; Serial Nos. 560,979–80, published Nov. 1, 1949.
Dyestuffs, lakes, and chemical products. Geigy Company, Inc. 263,507, renewed Nov. 5, 1949. O. G. Feb. 14.
Hydraulic fluid, Special. Sun Oil Company. 521,034, Feb. 14; Serial No. 567,723, published Oct. 25, 1949.
Metallic salts for electrolytic plating. The Grasselli Chemical Company. 193,915, Jan. 13, 1925. Republished Feb. 14.
Starch. Corn Products Refining Company. 521,026, Feb. 14; Serial No. 565,416, published Oct. 18, 1949.
Tobacco extracts and nicotine solutions and compounds for insecticide purposes. Tobacco By-Products and Chemical Corporation. 266,166, renewed Jan. 14, 1950. O. G. Feb. 14.
Tobacco extracts and nicotine solutions and compounds for insecticide purposes. Tobacco By-Products and Chemical Corporation. 266,175, renewed Jan. 14, 1950. O. G. Feb. 14.

CLASS 11

Inks, Printing. Interchemical Corporation. 521,009, Feb. 14; Serial No. 558,396, published Nov. 15, 1949.

CLASS 12

Plastic reinforced with long asbestos fibres. The Paraffine Companies, Inc. 521,073, Feb. 14; Serial No. 558,591.
Roofing sheets, Metallic. Carnegie-Illinois Steel Corporation. 367,091, May 9, 1939. Canceled Jan. 17, 1950. O. G. Feb. 14.

CLASS 14

Alloys, Metal. The International Nickel Co. 142,583, May 17, 1921. Republished Feb. 14.
Alloys, Nickel, and alloys of nickel, chromium, and iron. The International Nickel Company, Inc. 308,200, Nov. 21, 1933. Republished Feb. 14.
Alloys, Nickel-containing. The International Nickel Company, Inc. 403,265, Sept. 14, 1943. Republished Feb. 14.
Alloys, Nickel containing. The International Nickel Company, Inc. 403,505, Sept. 28, 1943. Republished Feb. 14.
Castings, Steel. Oklahoma Steel Castings Company. 269,969, renewed Aug. 13, 1949. O. G. Feb. 14.
Plates, Copper and zinc photoengravers'. Rolled Plate Metal Company. 269,912, renewed Apr. 22, 1950. O. G. Feb. 14.

CLASS 15

Motor oil. Quaker State Oil Refining Corporation. 521,072, Feb. 14; Serial No. 555,767.
Penetrating oil. Tiz-Kwik Oil Products Company. 521,075, Feb. 14; Serial No. 571,366.

CLASS 16

Coating composition and polish, Protective. Kar Glamor, Inc. 521,012, Feb. 14; Serial No. 559,518, published Oct. 18, 1949.
Paint enamel, varnish, varnish stain, and ground color for varnish stain. New Method Paint Co. 521,067, Feb. 14; Serial No. 521,605.
Paint, Ready-mixed. Detroit Graphite Company. 270,108, renewed Apr. 29, 1950. O. G. Feb. 14.
Powder, Dry, to be mixed with water and used as a plastic paint. The Muralo Company, Inc. 264,163–4, renewed Nov. 19, 1949. O. G. Feb. 14.
Varnishes, paint enamels, baking enamels, etc. Martin Varnish Company. 521,068, Feb. 14; Serial No. 529,283.

CLASS 18

Analgesic and sedative preparation. Winthrop-Stearns Inc. 521,023, Feb. 14; Serial No. 562,514, published Oct. 18, 1949.
Antiseptic wafers. C. D. Scott. 264,356, renewed Nov. 26, 1949. O. G. Feb. 14.
Chemical preparation. Standard Oil Company of California. 520,996, Feb. 14; Serial No. 552,015, published Oct. 18, 1949.
Dentifrices, mouth washes, dental and medicel antiseptics, etc. The Antidolor Mfg. Co., Inc. 263,774, renewed Nov. 12, 1949. O. G. Feb. 14.
Laxative preparation. A. H. Robins Company. 521,047, Feb. 14; Serial No. 570,579, published Nov. 8, 1949.
Medicinal preparation. Schering Corporation. 521,037, Feb. 14; Serial No. 568,281, published Oct. 25, 1949.
Medicinal products. Reed & Carnrick. 265,044, renewed Dec. 19, 1949. O. G. Feb. 14.
Methionine and B-complex vitamins. Wyeth Incorporated. 521,039, Feb. 14; Serial No. 568,772, published Nov. 8, 1949.
Mixture of ingredients having therapeutic value. E. R. French. 443,758, Feb. 14; Serial No. 483,522, published Feb. 26, 1946.
Remedy for rheumatism and grippe. J. D. Riedel Aktiengesellschaft. 76,952, re-renewed Mar. 1, 1950. O. G. Feb. 14.
Remedy for the relief of athletes' foot. D. C. Fussell. 521,046, Feb. 14; Serial No. 570,485, published Nov. 8, 1949.
Salve or ointment, Antiseptic. Hall & Ruckel, Inc. 520,981, Feb. 14; Serial No. 537,582, published Mar. 8, 1949.
Vitamin preparations, Pharmaceutical. Vitamins Limited. 521,022, Feb. 14; Serial No. 562,107, published Oct. 18, 1949.

CLASS 19

Heaters, Automobile, etc. Motorola, Inc. 520,977, Feb. 14; Serial No. 567,202, published Nov. 1, 1949. (Consolidated certificate, Classes 19, 21, and 34.)

CLASS 21

Blowers, Electrically-driven portable electric cleaning, and suction cleaners and sprayer, etc. G. H. Hansen. 266,321, renewed Jan. 14, 1950. O. G. Feb. 14.
Condensers, Radio, etc. Motorola, Inc. 520,977, Feb. 14; Serial No. 522,606, published Jan. 25, 1949. (Consolidated certificate, Classes 19, 21, and 34.)
Fans, Electric ventilating. American Blower Corporation. 265,930, renewed Jan. 7, 1950. O. G. Feb. 14.
Motors, Electric. Farmco, Inc. 423,515, Sept. 3, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14.
Radio receiving apparatus, etc. Motorola, Inc. 520,977, Feb. 14; Serial No. 567,268, published Aug. 2, 1949. (Consolidated certificate, Classes 19, 21, and 34.

CLASS 22

Bait, Artificial. F. S. Mikesell. 404,629, Dec. 7, 1943. Canceled Jan. 16, 1950. O. G. Feb. 14.
Toy power plants. Saftoy, Inc. 521,061, Feb. 14; Serial No. 511,901.

CLASS 23

Blades, Razor. Ruble Blade Corporation. 264,939–40, renewed Dec. 10, 1949. O. G. Feb. 14.
Carbide dies, Cemented; wire drawing dies; cemented carbide special tools. 409,053, Sept. 12, 1944. Republished Feb. 14.
Machetes. Ralph Martindale & Co., Limited. 76,344, renewed Jan. 4, 1950. O. G. Feb. 14.
Machinery, Cement-making. F. L. Smidth & Co. 268,224, renewed Mar. 11, 1950. O. G. Feb. 14.
Plows, One-way disc, etc. The Ohio Cultivator Company. 383,432, Dec. 10, 1940. Corrected. O. G. Feb. 14.
Pumps. Beach-Russ Co. 269,974, renewed Apr. 22, 1950. O. G. Feb. 14.
Sealing machines. Quik-Seal, Inc. 510,528, June 7, 1949. Corrected. O. G. Feb. 14.
Separators, Electric cream. Farmco, Inc. 423,516, Sept. 3, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14.

CLASS 24

Washing machines, Household type electric clothes. Farmco, Inc. 431,216, July 15, 1947. Canceled Jan. 13, 1950. O. G. Feb. 14.
Washing machines, Laundry. Blackstone Manufacturing Company, Inc. 355,528, Mar. 22, 1938. Republished Feb. 14.

CLASS 26

Cameras, flash attachments and camera cases. Whitehouse Products, Inc. 520,978, Feb. 14; Serial No. 527,452, published Oct. 4, 1949.
Cameras, projectors, enlargers, etc. Busch Precision Camera Corporation. 520,976, Feb. 14; Serial No. 520,930, published Oct. 4, 1949.
Dials and cooperating charts. The Tappan Stove Company. 520,993, Feb. 14; Serial No. 550,846, published Oct. 4, 1949.
Filters, Optical and photographic, lenses and magnifying glasses. The Ednalite Optical Company, Inc. 520,994, Feb. 14; Serial No. 551,373, published Oct. 18, 1949.
Measuring and testing apparatus. Radio Frequency Laboratories, Inc. 521,005, Feb. 14; Serial No. 556,126, published Oct. 4, 1949.
Measuring apparatus, Electronic thickness. Branson Instruments, Inc. 521,004, Feb. 14; Serial No. 555,987, published Oct. 4, 1949.
Measuring bridges, Electric; watt meters; apparatus for indicating relative world times, etc. Electric & Musical Industries Limited. 443,761, Feb. 14; Serial No. 524,961, published Sept. 13, 1949.
Measuring instruments, Electricity. Landis & Gyr A. G. 520,992, Feb. 14; Serial No. 550,525, published Oct. 4, 1949.
Pressure gauges, vacuum gauges, temperature gauges, etc. American Machine and Metals, Inc. 520,997, Feb. 14; Serial No. 552,562, published Oct. 4, 1949.
Scales, Weighing, indicators, weight checking apparatus, etc. The Exact Weight Scale Company. 520,990, Feb. 14; Serial No. 549,914, published Oct. 4, 1949.
Tanks, Photographic solution, X-ray developing tanks, compartment developing tanks, etc. Buck X-Ograph Company. 521,010, Feb. 14; Serial No. 559,002, published Oct. 4, 1949.
Thermometer. G. E. Teter. 521,074, Feb. 14; Serial No. 564,915.
Thermometers, temperature and pressure controllers, tachometers, etc. Manning, Maxwell & Moore, Incorporated. 520,972, Feb. 14; Serial No. 509,856, published Oct. 11, 1949.

CLASS 27

Cases, Watch. Armand J. Lemieux Corporation. 521,035, Feb. 14; Serial No. 568,313, published Nov. 8, 1949.
Watches. Movado Watch Agency, Inc. 520,973, Feb. 14 Serial No. 520,519, published Nov. 15, 1949.
Watches and watch movements. Elgin National Watch Company. 521,030, Feb. 14; Serial No. 566,695, published Nov. 15, 1949.
Watches and watch movements. Finlay Straus, Inc. 521,049, Feb. 14; Serial No. 573,013, published Nov. 15, 1949.
Watches, clocks and parts thereof. B. Altman & Co. 521,045, Feb. 14; Serial No. 570,167, published Nov. 15, 1949.
Watches, watch cases and watch movements. Cyma Watch Co., Inc. 521,007, Feb. 14; Serial No. 557,343, published Nov. 15, 1949.
Watches, watch movements, parts of watches and of watch movements. Compagnie des Montres Marvin S. A. 521,048, Feb. 14; Serial No. 572,354, published Nov. 8, 1949.

CLASS 28

Buckles, Belt, compacts, watch chain and keys, etc. Alpha Kappa Psi Fraternity. 520,989, Feb. 14; Serial No. 546,744, published Nov. 15, 1949.
Flatware, Sterling silver, and hollow ware. The Ellmore Silver Company, Inc. 521,057, Feb. 14; Serial No. 574,691, published Nov. 15, 1949.
Pins, Fraternity, finger rings, and lapel buttons. Delta Sigma Fraternity. 521,058, Feb. 14; Serial No. 575,851, published Nov. 8, 1949.
Rings, Diamond finger. Jenkins & Sons, Inc. 521,033, Feb. 14; Serial No. 567,699, published Oct. 18, 1949.
Rings, Finger. M. Sickles & Sons, Inc. 521,027, Feb. 14; Serial No. 565,899, published Nov. 8, 1949.
Sorority pins, finger rings, buttons, etc. Delta Sigma Gamma Sorority. 521,006, Feb. 14; Serial No. 557,264, published Nov. 15, 1949.

CLASS 29

Brushes. Whiting-Adams Company, Inc. 520,974, Feb. 14; Serial No. 520,584, published Nov. 15, 1949.
Brushes. Whiting-Adams Company, Inc. 520,975, Feb. 14; Serial No. 520,586, published Nov. 15, 1949.
Brushes, Artists'. M. Grumbacher, Inc. 520,985, Feb. 14; Serial No. 543,600, published Nov. 15, 1949.
Brushes, Dusting, and scrubbing brushes. Pittsburgh Plate Glass Company. 520,999, Feb. 14; Serial No. 554,701, published Nov. 15, 1949.
Brushes, Shaving. American Safety Razor Corporation. 521,029, Feb. 14; Serial No. 566,281, published Nov. 8, 1949.
Mops, Sponge-type, and components thereof. Du-Fold Mop Manufacturing Company. 521,003, Feb. 14; Serial No. 555,740, published Nov. 15, 1949.

CLASS 31

Refrigerators, Electric. Farmco, Inc. 422,089, July 2, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14.

CLASS 34

Gas-burners. Geo. Bray & Co., Limited. 186,280, July 8, 1924. Republished Feb. 14.
Gas-burners, Metal. Geo. Bray & Co., Limited. 61,802, Apr. 9, 1907. Republished Feb. 14.
Gas-burners of ordinary metal. Geo. Bray & Co., Limited. 61,800–1, Apr. 9, 1907. Republished Feb. 14.
Gas-burners of ordinary metal. Geo. Bray & Co., Limited. 61,804–5, Apr. 9, 1907. Republished Feb. 14.
Gas-burners of ordinary metal. Geo. Bray & Co., Limited. 87,724, Aug. 6, 1912. Republished Feb. 14.

Heater, Space. Motorola, Inc. 520,977, Feb. 14; Serial No. 522,613, published Feb. 22, 1949. (Consolidated certificate, Classes 19, 21, and 34.)
Heaters, Gas water. Farmco, Inc. 422,211, July 9, 1946. Canceled Jan. 13, 1950. O. G. Feb. 14.

CLASS 35

Tires, Pneumatic. The Goodyear Tire & Rubber Company. 269,659, renewed Apr. 15, 1950. O. G. Feb. 14.

CLASS 36

Accordions. Melodiana Accordion Company. 521,025, Feb. 14; Serial No. 564,285, published Aug. 16, 1949.
Records, Grooved phonograph, and non-electric phonographs. Radio Corporation of America. 521,013, Feb. 14; Serial No. 559,638, published Oct. 11, 1949.

CLASS 37

Ball pens and ink pencils. John Hancock Pen Company, Inc. 521,063, Feb. 14; Serial No. 516,012.
Paper, Bond. H. A. Goets. 521,062, Feb. 14; Serial No. 514,813.
Paper sheets. Newark Glassine Bag Co. 521,069, Feb. 14; Serial No. 543,519.
Paper, Writing, and envelopes, boxed writing paper and envelopes, etc. William W. Fitzhugh, Inc. 521,065, Feb. 14; Serial No. 520,157.

CLASS 38

Banners, Printed paper, etc. The National Exchange Club. 266,968, Feb. 11, 1930. Corrected. O. G. Feb. 14.
Magazine. J. E. Weider. 521,066, Feb. 14; Serial No. 520,485.

CLASS 39

Boots and shoes. Endicott Johnson Corporation. 265,735, Jan. 7, 1930. Republished Feb. 14.
Boots, shoes, and slippers. Endicott Johnson Corporation. 262,191, Oct. 1, 1929. Republished Feb. 14.
Boots, shoes, and slippers. Endicott Johnson Corporation. 265,733, Jan. 7, 1930. Republished Feb. 14.
Hats and caps for men, overcoats for men, hats for women, etc. Byron Hat Corporation. 270,065, renewed Apr. 22, 1950. O. G. Feb. 14.
Robes, Lounging, house coats, bath robes, etc. Van Baalen Heilbrun & Co. 270,177, renewed Apr. 29, 1950. O. G. Feb. 14.
Shoes. Churchill & Alden. 33,801, re-renewed Nov. 28, 1949. O. G. Feb. 14.
Shoes, Men's and women's leather, canvas, and cloth. The Brown Shoe Company. 76,960, re-renewed Mar. 1, 1950. O. G. Feb. 14.
Shoes or sneakers, Tennis. Endicott Johnson Corporation. 259,505, July 30, 1929. Republished Feb. 14.
Suits, Men's and boys', and overcoats. Henry Sonneborn Company. 263,322, renewed Nov. 5, 1949. O. G. Feb. 14.
Suits, Men's, topcoats, and overcoats. The Graff Company, Inc. 259,697, renewed Aug. 6, 1949. O. G. Feb. 14.
Underwear for women. M. C. Schrank & Company. 270,061, renewed Apr. 22, 1950. O. G. Feb. 14.

CLASS 42

Blankets. Chatham Manufacturing Company. 521,035, Feb. 14; Serial No. 567,955, published Nov. 1, 1949.
Cloth, Permanent finish, crease resistant cotton. Singer & Newburger, Inc. 521,053, Feb. 14; Serial No. 573,341, published Nov. 1, 1949.
Cotton duck and filter cloth in the piece. John Boyle & Company, Incorporated. 267,413, renewed Feb. 18, 1950. O. G. Feb. 14.
Curtains, Shower. Wearever Shower Curtain Corp. 521,051, Feb. 14; Serial No. 573,219, published Nov. 1, 1949.
Dishcloths. Granite Looms, Inc. 521,031, Feb. 14; Serial No. 566,877, published Nov. 15, 1949.
Fabric, Plastic coated rubber impregnated. Philip G. Whitman, Inc. 521,050, Feb. 14; Serial No. 573,156, published Nov. 8, 1949.
Fabrics. The Duplan Corporation. 520,987, Feb. 14; Serial No. 544,068, published Nov. 1, 1949.
Fabrics, Corduroy, in the piece. Boott Mills. 521,036, Feb. 14; Serial No. 568,143, published Nov. 15, 1949.
Fabrics in the piece. Crompton Company. 521,055, Feb. 14; Serial No. 573,925, published Nov. 1, 1949.
Fabrics in the piece. Crompton Company. 521,056, Feb. 14; Serial No. 573,927, published Nov. 8, 1949.
Fabrics in the piece, Elastic. Etablissements Boudios. 521,021, Feb. 14; Serial No. 561,172, published Nov. 15, 1949.
Fabrics, Knitted, netted, and textile. Murray Bros. & Co., Limited. 521,002, Feb. 14; Serial No. 555,431, published Nov. 8, 1949.
Gingham, Cotton. Burlington Mills Corporation. 520,988, Feb. 14; Serial No. 546,366, published Oct. 26, 1948.
Jersey cloth in the piece, Knitted. Native Laces & Textiles, Incorporated. 520,995, Feb. 14; Serial No. 551,809, published Nov. 1, 1949.
Piece goods. Cornhall & Company, Inc. 443,760, Feb. 14; Serial No. 524,054, published Nov. 15, 1949.
Piece goods. B. Priestley & Co., Inc. 521,011, Feb. 14; Serial No. 559,119, published Nov. 8, 1949.
Piece goods. The United Piece Dye Works. 521,032, Feb. 14; Serial No. 567,059, published Nov. 8, 1949.
Piece goods, Cotton twill. Brown & Ackerman, Inc. 521,042, Feb. 14; Serial No. 569,428, published Nov. 15, 1949.
Piece goods, Knit. Worcester Knitting Company. 520,984, Feb. 14; Serial No. 541,903, published Nov. 8, 1949.
Piece goods, Linen, and linen union piece goods. York Street Flax Spinning Co. Limited. 517,768, Nov. 22, 1949. Corrected. O. G. Feb. 14.
Piece goods, Woolen. Forstmann Woolen Co. 521,052, Feb. 14; Serial No. 573,233, published Nov. 8, 1949.
Plastics, Films and sheets of, and/or synthetic or natural resins. The Firestone Tire & Rubber Company. 443,757, Feb. 14; Serial No. 468,239, published Nov. 15, 1949.
Rayon fabrics, Flocked, in the piece. Vallura Corporation. 520,983, Feb. 14; Serial No. 541,363, published Nov. 1, 1949.
Rugs, Braided cotton. Amesterdam Textiles. 520,982, Feb. 14; Serial No. 538,588, published Nov. 15, 1949.
Rugs, Textile, bedspreads, automobile robes, and bath mat sets. Monarch Chenilles, Incorporated. 521,008, Feb. 14; Serial No. 557,860, published Nov. 8, 1949.
Sheets and pillow cases. The B. V. D. Corporation. 521,054, Feb. 14; Serial No. 573,470, published Nov. 8, 1949.
Tablecloths, shower curtains, window curtains. Elrene Manufacturing Co. 521,014, Feb. 14; Serial No. 560,553, published Nov. 1, 1949.
Textile goods. H. Basore. 521,040, Feb. 14; Serial No. 568,829, published Nov. 15, 1949.
Textiles and textile products. Orientex, Ltd. 520,991, Feb. 14; Serial No. 550,065, published Nov. 1, 1949.

CLASS 44

Atomizers. Marcel Franck, Inc. 263,560, renewed Nov. 5, 1949. O. G. Feb. 14.

CLASS 45

Beverages, Nonalcoholic. Geo. Rasmussen Co. 270,189, renewed Apr. 29, 1950. O. G. Feb. 14.

CLASS 46

Apples, Fresh, and fresh pears. Earl Fruit Company. 262,251, renewed Oct. 1, 1949. O. G. Feb. 14.
Candy. Bradas & Gheens. 73,104, Mar. 16, 1909. Republished Feb. 14.
Candy, Golden Nugget Sweets. 269,832, renewed Apr. 22, 1950. O. G. Feb. 14.
Canned citrus fruit juice and canned citrus fruit sections. McDonald & Olliff, Inc. 440,929, Oct. 12, 1948. Republished Feb. 14.
Canned hams and picnics. Intercontinental Meat Corporation. 356,201, Apr. 19, 1938. New certificate. O. G. Feb. 14.
Canned salmon. Oceanic Sales Co. 268,247, renewed Mar. 11, 1950. O. G. Feb. 14.
Coffee and chicory compound. Wm. B. Reily & Company, Inc. 268,501, renewed Mar. 18, 1950. O. G. Feb. 14.
Doughnuts. Joe Lowe Corporation. 265,177, renewed Dec. 17, 1949. O. G. Feb. 14.
Feed, Stock and poultry. General Mills, Inc. 269,585, Apr. 15, 1930. Amended. O. G. Feb. 14.
Flour, Wheat. Fisher Flouring Mills Company. 263,296–7, renewed Nov. 5, 1949. O. G. Feb. 14.
Food product. Kuster Laboratories, Inc. 521,070, Feb. 14; Serial No. 553,380.
Fruits, Dried. F. A. Schneider. 277,865, Dec. 2, 1930. Republished Feb. 14.
Fruits, Fresh citrus. Holly Hill Fruit Products, Inc. 269,586, renewed Apr. 15, 1950. O. G. Feb. 14.
Juices, Citrus, and fresh citrus fruits. McDonald & Olliff, Inc. 417,503, Oct. 30, 1945. Republished Feb. 14.
Juices, Citrus, and fresh citrus fruits. McDonald & Olliff, Inc. 417,634, Nov. 6, 1945. Republished Feb. 14.
Macaroni. B. S. Scotland. 260,806, renewed Aug. 27, 1949. O. G. Feb. 14.
Margarine. The Miami Margarine Company. 521,024, Feb. 14; Serial No. 562,591, published Oct. 4, 1949.
Nuts, Salted mixed. The Great Atlantic & Pacific Tea Company. 268,809, renewed Mar. 18, 1950. O. G. Feb. 14.
Salt. Myles Salt Co., Ltd. 215,434, July 20, 1926. Republished Feb. 14.
Salt. Myles Salt Co., Ltd. 215,460, July 20, 1926. Republished Feb. 14.
Salt, Table. Myles Salt Co., Ltd. 323,080, Apr. 2, 1935. Republished Feb. 14.

CLASS 50

Pads, Furniture. Fulton Bag & Cotton Mills. 265,524, renewed Dec. 31, 1949. O. G. Feb. 14.
Signs, Non-electrical advertising and display. Milprint, Inc. 521,064, Feb. 14; Serial No. 517,652.

CLASS 51

Colors used in the preparation of cosmetics. H. Kohnstamm & Co., Inc. 521,027, Feb. 14; Serial No. 565,557, published Oct. 18, 1949.
Cosmetic cream. The Procter & Gamble Company. 520,979, Feb. 14; Serial No. 532,491, published Oct. 25, 1949.

Face cream. American Lanolin Corporation. 269,320, renewed Apr. 1, 1950. O. G. Feb. 14.
Facial make-up preparation. Campana Corporation. 520,980, Feb. 14; Serial No. 534,600, published Sept. 7, 1948.
Hairdressings. Tripoli Barber Supply Co. Inc. 269,683, renewed Apr. 15, 1950. O. G. Feb. 14.
Hair oil, permanent wave oil, lemon shampoo, etc. Consolidated Royal Chemical Corporation. 520,986, Feb. 14; Serial No. 543,891, published Oct. 18, 1949.
Medicines, Mange, antiseptic medicated ointment, etc. H. Clay Glover Co., Inc. 520,971, Feb. 14; Serial No. 483,526, published Oct. 18, 1949.
Preparation for blocking out ink writing or ink spots, etc. Ditto, Incorporated. 521,000–1, Feb. 14; Serial Nos. 554,868–9, published July 26, 1949.

CLASS 52

Chemical preparation. Puritan Chemical Company. 521,043, Feb. 14; Serial No. 569,476, published Oct. 18, 1949.
Soap. Colgate-Palmolive-Peet Company. 269,028, renewed Mar. 25, 1950. O. G. Feb. 14.
Soap, Hand and toilet. The Pynol Company. 443,759, Feb. 14; Serial No. 494,233, published Oct. 1, 1946.
Soap, Toilet. Iowa Soap Company. 33,688, Nov. 7, 1899. Republished Feb. 14.

CLASS 105

Railroad passenger transportation service. The Kansas City Southern Railway Company. 521,059, Feb. 14; Serial No. 538,421, published Aug. 30, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

National Stamping Company, assignee: *See*—
Nofs, Harold E.

Nofs, Harold E., assignor to National Stamping Company, Detroit, Mich. Seat slide structure. Re. 23,197, Feb. 14.

LIST OF PLANT PATENTEES

Germain's Inc., assignee: *See*—
Morris, Theodore J. and L. A.

Morris, Lillian A., administratrix: *See*—
Morris, Theodore J. and L. A.

Morris, Theodore J., deceased, by L. A. Morris, administratrix, assignor to Germain's Inc., Van Nuys, Calif. Rose plant. 922, Feb. 14.

Morris, Theodore J., deceased, by L. A. Morris, administratrix, assignor to Germain's Inc., Van Nuys, Calif. Rose plant. 923, Feb. 14.

Sherwood, Lawrence W., Fullerton, Calif. Peach tree. 924, Feb. 14.

LIST OF DESIGN PATENTEES

Abrams, Miriam, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress ensemble. 157,227, Feb. 14.

Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Shelf covering or similar article. 157,228, Feb. 14.

Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Shelf covering or similar article. 157,229, Feb. 14.

Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Shelf covering or similar article. 157,230, Feb. 14.

American Brass Novelty Company, assignee: *See*—
Lillyblad, Robert H., and Broersma.

Andrews, Fred W., assignor to International Latex Corporation, Dover, Del. Strap fastener. 157,231, Feb. 14.

Automatic Washer Company, assignee: *See*—
Morgan, Jack.

Bell & Howell Company, assignee: *See*—
Perzentka, Thomas R.

Bernstein, Milton, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 157,232, Feb. 14.

Bloom, Gertrude, and Israel Bloom, New York, N. Y. Glove holding attachment for handbags. 157,233, Feb. 14.

Bloom, Israel: *See*—
Bloom, Gertrude, and Israel.

Briggs, Merton B., Cincinnati, Ohio, assignor to The Grote Manufacturing Company, Bellevue, Ky. Bracket lighting fixture. 157,234, Feb. 14.

Broersma, Jacob A.: *See*—
Lillyblad, Robert H., and Broersma.

Brown, Bertram M., Providence, R. I. Article holding figurine. 157,235, Feb. 14.

Brozyna, Anthony, Irvington, N. J. Combined mirror and lamp. 157,236, Feb. 14.

Casco Products Corporation, assignee: *See*—
Thomson, Ernest F.

Century Display Mfg. Co. Inc., assignee: *See*—
Evans, Jack.

Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 157,237, Feb. 14.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cotter Manufacturing Co., Inc., assignee: *See*—
Cotter, William A.

Cotter, William A., assignor to Cotter Manufacturing Co., Inc., New York, N. Y. Perfume atomizer or similar article. 157,238, Feb. 14.

Crawford, Clarence E., Flint, assignor to Living Designs, Grand Blanc, Mich. Pencil rack. 157,239, Feb. 14.

Daniels, Elmer H., Pasadena, assignor to Kaiser Fleetwings, Inc., Oakland, Calif. Dishwasher cabinet or the like. 157,240, Feb. 14.

Del Pozo, Albert, New York, N. Y. Gun rack. 157,241, Feb. 14.

De Napoli, Anthony C., Jr., Windsor, Conn., and R. Spillman, Yonkers, N. Y., assignors to The Soundscriber Corporation, New Haven, Conn. Dictating machine cabinet. 157,242, Feb. 14.

Dieterich, Frederick A., assignor to Universal Chain Co. Inc., Maplewood, N. J. Chain for a necklace or similar article. 157,243, Feb. 14.

Dieterich, Frederick A., assignor to Universal Chain Co. Inc., Maplewood, N. J. Chain for a necklace or similar article. 157,244, Feb. 14.

Domster, Stephen G.: *See*—
Snider, Joseph W., and Domster.

Egle, William G., Syracuse, N. Y. Combined candle snuffer and lighter. 157,245, Feb. 14.

Eljer Co., assignee: *See*—
Muller-Munk, Peter.

Esterbrook Pen Company, The, assignee: *See*—
Klaggea, Henry C., and Steinberg.

Etkin, Simon, New York, N. Y. Jacket. 157,246, Feb. 14.

Evans, Jack, assignor to Century Display Mfg. Co. Inc., Chicago, Ill. Display cabinet. 157,247, Feb. 14.

Fay, Kenneth C., assignor to Parfumerie de Raymond, New York, N. Y. Hairbrush. 157,248, Feb. 14.

Geerlings, Gerald K., New Canaan, Conn. Child's spoon. 157,249, Feb. 14.

Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress ensemble. 157,250, Feb. 14.

Geffen, Bertha, assignor to Barnet Ginsburg & Nat Abelson, Inc., New York, N. Y. Dress ensemble. 157,251, Feb. 14.

Ginsburg, Barnet, & Nat Abelson, Inc., assignee: *See*—
Abrams, Miriam.
Geffen, Bertha.

Goldberg, Hermine, assignor of one-half to R. D. Goldberg, Omaha, Nebr. Dog muzzle or similar article. 157,252, Feb. 14.

Goldberg, Ralph D., assignee: *See*—
Goldberg, Hermine.

Goldinger, Harry, Textile Corporation, assignee: *See*—
Wayne, Phyllis.

Grote Manufacturing Company, The, assignee: *See*—
Briggs, Merton B.

Gruber, Paul R., Waterbury, Conn. Bottle stopper. 157,253, Feb. 14.

Gruber, Paul R., Waterbury, Conn. Bottle stopper. 157,254, Feb. 14.

Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Fishhook disgorger. 157,255, Feb. 14.

Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Fishhook disgorger. 157,256, Feb. 14.

Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Fishhook disgorger. 157,257, Feb. 14.

Hamel, Lewis E., Co., Inc., assignee: *See*—
Hamel, Lewis E.

Hertzberg, H., & Son, Inc., assignee: *See*—
Hertzberg, Ira.

Hertzberg, Ira, Yonkers, assignor to H. Hertzberg & Son, Inc., New York, N. Y. Combination suede brush and container therefor. 157,258, Feb. 14.
Hockery, John C., trustee, assignee: *See*—
Talge, Henry J., and Travis.
Honig, David, Brooklyn, N. Y. Nursery utility tray. 157,259, Feb. 14.
Hull, Gerald P., and G. S. Shields, Tupper Lake, N. Y. Display carton. 157,260, Feb. 14.
Hyman, Edgar C., Co., Inc., assignee: *See*—
Lewis, Elsie M.
Ingham, Herbert S., Roslyn Estates, and C. K. Wilson, East Williston, N. Y. Lawn sprinkler. 157,315, Feb. 14.
International Latex Corporation, assignee: *See*—
Andrews, Fred W.
Jefferis, Albert W., Jr., assignor to J. Jefferis, North Hollywood, Calif. Ash tray. 157,261, Feb. 14.
Jefferis, Jerene, assignee: *See*—
Jefferis, Albert W., Jr.
Johnson, S. C., & Son, Inc., assignee: *See*—
Lahr, Peter W.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 157,262, Feb. 14.
Justin, John S., Jr., Fort Worth, Tex. Belt buckle. 157,263, Feb. 14.
Kaiser Fleetwings, Inc., assignee: *See*—
Daniels, Elmer H.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 157,264, Feb. 14.
Kaufman, Sol, New York, N. Y. Combined vanity case and lipstick holder. 157,265, Feb. 14.
Kiernan, Jeanne, New York, N. Y. Combined handbag, shopping bag, and memoranda holder. 157,266, Feb. 14.
Klagges, Henry C., Collingswood, N. J., and H. E. Steinberg, Philadelphia, Pa., assignors to The Esterbrook Pen Company, Camden, N. J. Desk inkwell unit. 157,267, Feb. 14.
Lahr, Peter W., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis. Floor polisher. 157,268, Feb. 14.
Laskowitz, Joseph F., St. Louis, Mo. Chair. 157,269, Feb. 14.
Leech, Aubrey B., Los Angeles, Calif. Animated display device. 157,270, Feb. 14.
Lewis, Elsie M., Rockville Centre, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 157,271, Feb. 14.
Lillyblad, Robert H., and J. A. Broersma, assignors to American Brass Novelty Company, Grand Haven, Mich. Toilet seat hinge. 157,272, Feb. 14.
Living Designs, assignee: *See*—
Crawford, Clarence E.
Lormor, Henry W., Cleveland Heights, Ohio. Coat and pants hanger. 157,273, Feb. 14.
Macomber, Allison R., Taunton, Mass., assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 157,274, Feb. 14.
Martin, Earnest E., Pasadena, Calif., assignor, by mesne assignments, to John Wood Manufacturing Company, Inc., New York, N. Y. Service station water and air dispensing column. 157,275, Feb. 14.
Meyercord Company, The, assignee: *See*—
Adair, James E.
Mohr, John K., Simi, Calif. Combination ladle and strainer. 157,276, Feb. 14.
Morgan, Jack, Chicago, Ill., assignor to Automatic Washer Company, Newton, Iowa. Control unit for washing machines. 157,277, Feb. 14.
Muller-Munk, Peter, Pittsburgh, assignor to Eljer Co., Ford City, Pa. Shelf lavatory. 157,278, Feb. 14.
National Silver Company, assignee: *See*—
Bernstein, Milton.
Macomber, Allison R.
O'Toole, Edward J., Burbank, Calif. Meter case for self-service gasoline pumps. 157,279, Feb. 14.
Parfumerie de Raymond, assignee: *See*—
Fay, Kenneth C.
Pearce, Woodrow W., Hollywood, Calif. Combined hand and foot support for use in applying nail polish. 157,280, Feb. 14.
Persentka, Thomas R., assignor to Bell & Howell Company, Chicago, Ill. Cabinet for a microfilm recorder or the like. 157,281, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,282, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,283, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,284, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,285, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,286, Feb. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,287, Feb. 14.
Pichardo, Julio A., New York, N. Y. Airmail envelope. 157,288, Feb. 14.
Potter, Harold B., Coshocton, Ohio. Billfold. 157,289, Feb. 14.
Potter, Harold B., Coshocton, Ohio. Billfold. 157,290, Feb. 14.
Pyle, Lula J., and M. H. Schell, Kansas City, Mo. Combined favor holder and place card. 157,291, Feb. 14.
Rosen, Henri E., Brookline, Mass. Child's slipper or similar article. 157,292, Feb. 14.
Schell, Maxine H.: *See*—
Pyle, Lula J., and Schell.
Schuls, James, Greenwich, Conn. Link chain for a bracelet or similar article. 157,293, Feb. 14.
Shields, George S.: *See*—
Hull, Gerald P., and Shields.
Slopa, Robert E., Chicago, Ill. Hinge leaf. 157,294, Feb. 14.
Snider, Joseph W., Kenmore, and S. G. Domster, Buffalo, N. Y.; said Domster assignor to said Snider. Rigid sheet metal awning. 157,295, Feb. 14.
Sonntag, John H., assignor to R. B. Sonntag, Dallas, Tex. Kitchen range ventilating canopy or similar article. 157,296, Feb. 14.
Sonntag, Robert B., assignee: *See*—
Sonntag, John H.
Soundscriber Corporation, The, assignee: *See*—
De Napoli, Anthony C., Jr., and Spilman.
Sparks, Tomme B., Denver, Colo. Hair curler. 157,297, Feb. 14.
Spilman, Raymond: *See*—
De Napoli, Anthony C., Jr., and Spilman.
Steinberg, Harold E.: *See*—
Klagges, Henry C., and Steinberg.
Steiner, Ezekiel C., Los Angeles, Calif. Carcass splitting saw. 157,298, Feb. 14.
Tait, George C., Wyomissing, Pa. Stocking. 157,299, Feb. 14.
Tait, George C., Wyomissing, Pa. Stocking. 157,300, Feb. 14.
Talge, Henry J., Kansas City, Mo., and A. M. Travis, Kansas City, Kans., assignors to J. C. Hockery, Kansas City, Mo., as trustee. Fruit juice extractor. 157,301, Feb. 14.
Thede, Howard A., Wayland, Mich. Chiffonier. 157,302, Feb. 14.
Thede, Howard A., Wayland, Mich. Desk with drawers. 157,303, Feb. 14.
Thede, Howard A., Wayland, Mich. Vanity dresser. 157,304, Feb. 14.
Thomson, Ernest F., Tuckahoe, N. Y., assignor to Casco Products Corporation, Bridgeport, Conn. Steam-electric flatiron. 157,305, Feb. 14.
Travis, Albert M.: *See*—
Talge, Henry J., and Travis.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Universal Chain Co. Inc., assignee: *See*—
Dieterich, Frederick A.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Vogt, Edwin M., Kalamazoo, Mich. Combined electrically vibrated massager and support. 157,306, Feb. 14.
Ward, Charles W., Los Angeles, Calif. Combination brush holder and paste dispenser. 157,307, Feb. 14.
Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Fabric. 157,308, Feb. 14.
Weinberg, Sol, New York, N. Y. Textile fabric. 157,309, Feb. 14.
Wettlaufer, William L., Buffalo, N. Y. Therapeutic exercising seat. 157,310, Feb. 14.
Wiesen, Alex, New York, N. Y. Utility box. 157,311, Feb. 14.
Wilson, Charles K.: *See*—
Ingham, Herbert S., and Wilson.
Wood, John, Manufacturing Company, Inc., assignee: *See*—
Martin, Earnest E.
Young, Stephen A., Delphi, Ind. Faucet handle. 157,312, Feb. 14.
Zweig, Stanley, Elmont, N. Y. Spinning charm or the like article. 157,313, Feb. 14.
Zweig, Stanley, Elmont, N. Y. Spinning charm or the like article. 157,314, Feb. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Arthur R., Shelton, M. F. Kieley, Derby, and F. T. Simon, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Shuttle check for looms. 2,497,711, Feb. 14.
Abbott Laboratories, assignee: *See*—
Hansen, Norman A., Milne, and Risser.
Abshire, Richard J., Pomona, Calif. Combination gauge and spot marker. 2,497,570, Feb. 14.
Ackerman, Duane S., Topeka, Kans. Awning hinge. 2,497,337, Feb. 14.
Adams, George E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Dampener. 2,497,252, Feb. 14.
Adler, Herbert D., & Company, assignee: *See*—
Herrmann, Alvin G.
Adler, Roman, New York, N. Y. Compact. 2,497,752, Feb. 14.
Ahrens, Richard H., Olathe, Kans. Liquid cooling device. 2,497,389, Feb. 14.
Air Reduction Company, Incorporated, assignee: *See*—
Dennis, Wolcott.
Hulme, Philip M.
Rieppel, Perry J.
Rothschild, Gilbert R.
Airkem, Inc., assignee: *See*—
Canney, Arthur W.
Aktieselskapet Stord, assignee: *See*—
Notevarp, Olav.
Allardice, Thomas B., Mountain Lakes, N. J. Reminder device. 2,497,285, Feb. 14.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Cap for non-rigid disposable nursing bottles. 2,497,197, Feb. 14.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Wide mouth nursing unit. 2,497,198, Feb. 14.
Allen, William T., Calvert City, Ky. Wheel adjusting and removing device. 2,497,148, Feb. 14.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,497,199, Feb. 14.
Alrose Chemical Company, assignee: *See*—
Stevenson, Archibald S., and Beer.
Alter, Albert E., assignor to Philco Corporation, Philadelphia, Pa. Frequency detector and frequency control circuits. 2,497,571, Feb. 14.
Alwac Company, Inc., assignee: *See*—
Fink, Colin G.
American Bosch Corporation, assignee: *See*—
Lang, Gregor L.
Wagner, Albert F.
American Brake Shoe Company, assignee: *See*—
Huber, Albert F.
American Cyanamid Company, assignee: *See*—
Dudley, James R., and Anthes.
American Hardware Corporation, The, assignee: *See*—
Bernhard, Benjamin S.
American Steel Foundries, assignee: *See*—
Baselt, Walter H.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
McNamee, Owen A.
American Telephone and Telegraph Company, assignee: *See*—
Wollensack, Clifford N.
American Teletimer Corp., assignee: *See*—
Ferrara, John B.
American Viscose Corporation, assignee: *See*—
McDermott, Henry J.
American Welding & Manufacturing Company, The, assignee: *See*—
Gaver, Raymond H.
Ames, Raymond A.: *See*—
Winberg, Travis W., and Ames.
Ammco Tools, Inc., assignee: *See*—
Billeter, Henry R.
Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Electroforming selenium rectifiers. 2,497,649, Feb. 14.
Anderson, Marshall, Marblehead, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,497,650, Feb. 14.
Andren, Karl H., Greenfield, assignor to Artos Engineering Company, Milwaukee, Wis. Wire cutting and stripping apparatus. 2,497,112, Feb. 14.
Ansel, Harry R., Oak Park, assignor to Wm. J. Stange Co., Chicago, Ill. Percolator. 2,497,572, Feb. 14.
Anthes, John A.: *See*—
Dudley, James R., and Anthes.
Anthony, Joseph, Hamilton, Ontario, Canada. Golf ball putting game. 2,497,390, Feb. 14.
Appel, Robert E., Chicago, Ill. Quiz device. 2,497,200, Feb. 14.
Apple, Floyd M., Burlington, N. C. Power lawn mower. 2,497,573, Feb. 14.
Arbogast, George J.: *See*—
Guilbert, Nicholas R., Jr., and Arbogast.
Arguelles, Frederick S., New York, N. Y., assignor to Seederer-Kohlbusch, Inc., Englewood, N. J. Precision balance. 2,497,428, Feb. 14.
Armantrout, Kenneth M., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Lubricating means for transmissions. 2,497,253, Feb. 14.
Armitage, Joseph B., and T. F. Eserkaln, Wauwatosa, and T. A. Wetsel, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,497,842, Feb. 14.
Armour and Company, assignee: *See*—
Ralston, Anderson W., and Harwood.
Armstrong Cork Company, assignee: *See*—
Weber, Karl H.
Armstrong, Robert W., R. Sardeson, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Multiple film hanger with film tensioning means. 2,497,429, Feb. 14.
Armstrong, Robert W., R. Sardeson, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Film loading apparatus. 2,497,430, Feb. 14.
Armstrong Siddeley Motors Limited, assignee: *See*—
Clark, Thomas, and Atkins.
Arnold, Harold W., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating a polymeric nitrile with hydrazine. 2,497,526, Feb. 14.
Arnold, Lionel K.: *See*—
Sweeney, Orland R., and Arnold.
Arnot, Alfred E. R., assignor to J. E. Shay Limited, London, England. Electrical cooking and like appliances. 2,497,753, Feb. 14.
Artos Engineering Company, assignee: *See*—
Andren, Karl H.
Arts, Neal E., Oak Park, Ill., assignor to Corn Products Refining Company, New York, N. Y. Production of alkali metal phytates. 2,497,062, Feb. 14.
Arts, Neal E., Oak Park, Ill., assignor to Corn Products Refining Company, New York, N. Y. Production of alkali metal phytates. 2,497,063, Feb. 14.
Arvey Corporation, assignee: *See*—
Johnson, Jerome A.
Ashcraft, Ernest G., Chicago, Ill., assignor to Iva Coryne Davidson, Hollywood, Calif. Automatic fire extinguishing device. 2,497,286, Feb. 14.
Asher, Jerry, assignee: *See*—
Isabelle, Henry J., Sr.
Associated Manufacturers and Distributors Corp., assignee: *See*—
Landman, James D.
Atkins, John H. C.: *See*—
Clark, Thomas, and Atkins.
Auchter, Richard J., Appleton, assignor to Paper Patents Company, Neenah, Wis. Manufacturing a fibrous sheet covered plywood. 2,497,712, Feb. 14.
Austlid, Arnljot, Oslo, Norway. Sewing machine. 2,497,651, Feb. 14.
Auto Specialties Manufacturing Company, assignee: *See*—
Mueller, Joseph J.
Automatic Electric Laboratories, Inc., assignee: *See*—
Hadfield, Bertram M.
Lomax, Clarence E.
Avco Manufacturing Corporation, assignee: *See*—
Vutz, Wilhelm.
Bacon, Emma O., Los Angeles, Calif. Toy airplane headband. 2,497,527, Feb. 14.
Bahnson, Fred F., Winston-Salem, N. C. Pin board. 2,497,574, Feb. 14.
Baird, Donald K.: *See*—
Swallow, John C., Baird, and Ridge.
Baker, David B., Riverside, and C. R. Hagen, Chicago, Ill. Picker spindle. 2,497,777, Feb. 14.
Baker, Robin, Lockney, and J. C. Fleming, Lubbock, Tex. Process and apparatus for discharging vaporizable liquids. 2,497,754, Feb. 14.
Baker, Wren B., Baltimore, Md. Waterproof stocking and shoe protector. 2,497,528, Feb. 14.
Ball, Charles J. P., London, F. A. Fox, Manchester, A. C. Jessup and E. F. Emley, Clifton Junction Works, near Manchester, assignors to Magnesium Elektron Limited, London, England. Production of magnesium base alloys containing zirconium. 2,497,529, Feb. 14.

Ball, Charles J. P., London, F. A. Fox, Manchester, A. C. Jessup and E. F. Emley, near Manchester, assignors to Magnesium Elektron Limited, London, England. Master alloy for introducing zirconium into magnesium. 2,497,530, Feb. 14.

Ball, Charles J. P., London, A. C. Jessup and E. F. Emley, near Manchester, and P. A. Fisher, Flixton, assignors to Magnesium Elektron Limited, London, England. Alloying composition for introducing zirconium into magnesium. 2,497,531, Feb. 14.

Banner, Francis L., assignor to Mueller Co., Decatur, Ill. Relief valve. 2,497,201, Feb. 14.

Barber-Colman Company, assignee: *See*—
Rehwald, Edmund A.

Barber, William V., Norfolk, Va. Fireplace with supplemental draft means. 2,497,486, Feb. 14.

Barnaby Manufacturing and Tool Company, assignee: *See*—
Toth, Barnabas P.

Baron, Flory, Marseille, France, assignor of twenty-five per cent to L. Mingaud, Long Island City, N. Y. Automatically and progressively regulating vehicle speed. 2,497,338, Feb. 14.

Barry, R. G., Corporation, assignee: *See*—
Zacks, Florence B.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,497,829, Feb. 14.

Bastanchury, Gaston A., Pittman, Nev. Pneumatic stratifier. 2,497,339, Feb. 14.

Batho, William F.: *See*—
Zimmer, Albert E., and Batho.

Baynes, William C., Washington, D. C. Greeting card and envelope assembly. 2,497,064, Feb. 14.

Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Magnetic structure. 2,497,652, Feb. 14.

Beard, Joseph G., Haddonfield, E. W. Harralson, Masonville, N. J., and A. Kreithen, Philadelphia, Pa., assignors to Radio Corporation of America. Electronic relay. 2,497,202, Feb. 14.

Beardsley, Mabel E., San Francisco, Calif. Embroidery thread kit. 2,497,653, Feb. 14.

Beaunit Mills, Inc., assignee: *See*—
Hatfield, Cortland.

Becker, Benjamin, St. Louis, Mo. Mechanical swimming exercising machine. 2,497,391, Feb. 14.

Becker, Otto E., Los Angeles, Calif. Combination odometer and ignition switch. 2,497,340, Feb. 14.

Becker, Roger K., Evansville, Ind. Indirect cooling system for buildings. 2,497,713, Feb. 14.

Beer, Leo: *See*—
Stevenson, Archibald S., and Beer.

Beerbower, Alan: *See*—
Morway, Arnold J., Beerbower, and Zimmer.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. System for magnetically recording a modulated carrier in push-pull. 2,497,654, Feb. 14.

Bein, Harold R., Westfield, Mass. Hair curler. 2,497,714, Feb. 14.

Bell, Harvey W., Yonkers, N. Y. Compressor or pump. 2,497,575, Feb. 14.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Hanson, Robert L.

Belmont Radio Corporation, assignee: *See*—
Olesky, Anthony P.

Belschner, Ernst, Brooklyn, N. Y. Painting shield. 2,497,715, Feb. 14.

Beman, Ward W., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Critical speed indicator. 2,497,431, Feb. 14.

Bendix Aviation Corporation, assignee: *See*—
Malley, Raymond B.

Bennett, Clarence G., San Mateo, Calif., assignor to Paterson Parchment Company. Butter package. 2,497,203, Feb. 14.

Berdis, Albert J., and L. S. Dahl, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Apparatus for handling sheets during inspection. 2,497,149, Feb. 14.

Berggren, Detlof E., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray tube with movable directing cone. 2,497,755, Feb. 14.

Berkman, Boris, Appleton, Wis., assignor to Milkweed Products Development Corporation, Chicago, Ill. Milkweed gin. 2,497,532, Feb. 14.

Bernhard, Benjamin S., assignor to The American Hardware Corporation, New Britain, Conn. Door holder. 2,497,830, Feb. 14.

Bidwell, Edgar W., assignee: *See*—
Flora, Robert W.

Biery, Robert K., New Orleans, La. Attachment for air brake systems. 2,497,576, Feb. 14.

Bigard, André J. E. L., Paris, France. Covering system. 2,497,287, Feb. 14.

Biggerstaff, Geoffrey, Huron, S. Dak. Floor drain and cover therefor. 2,497,577, Feb. 14.

Billeter, Henry R., Highland Park, Ill., assignor to Ammco Tools, Inc. Torque measuring wrench. 2,497,756, Feb. 14.

Billin, Arthur G.: *See*—
Gieringer, Carl K., and Billin.

Bissell, Frederick E., Jr., and E. E. Claussen, assignors to Carr, Adams & Collier Company, Dubuque, Iowa. Casement sash hinge. 2,497,288, Feb. 14.

Bisson, Leo J., Somersworth, N. H. Interlocking game board. 2,497,341, Feb. 14.

Bjorklund, Stanley A.: *See*—
Herrstrum, Rudolph E., and Bjorklund.

Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Antirusting composition. 2,497,432, Feb. 14.

Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyl esters of glycol polycarboxylic acid esters. 2,497,433, Feb. 14.

Blankenship, Alma, Muskogee, Okla., assignor of one-third to D. Kelly and one-third to W. Crane, Fort Lauderdale, Fla. Diaper. 2,497,533, Feb. 14.

Bloch, Elsie C. and G. New York, N. Y. Loop pile carpet fabrics. 2,497,716, Feb. 14.

Bloch, Godfrey: *See*—
Bloch, Elsie C. and G.

Bloomfield, Harold, Chicago, Ill. Potato cutter. 2,497,289, Feb. 14.

Blumenthal, Sidney, & Co., Inc., assignee: *See*—
Abbott, Arthur R., Kleley, and Simon.

Boeing Airplane Company, assignee: *See*—
Terdina, Frank, and Skidmore.

Bonnett, Gerson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding insulation about a cable splice. 2,497,757, Feb. 14.

Borg-Warner Corporation, assignee: *See*—
Armantrout, Kenneth M.

Borland, Bruce, Chicago, Ill. Car seal. 2,497,434, Feb. 14.

Bost, Georges L. A.: *See*—
Fluchaire, Maurice L. A., and Bost.

Boston Varnish Company, assignee: *See*—
Bradley, John J. Jr.

Boterweg, Dirk, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coil support. 2,497,204, Feb. 14.

Bowman, Irwin C.: *See*—
Golding, James L., Bowman, and Comerford.

Bowman, James L., Eau Claire, Mich. Side delivery rake. 2,497,717, Feb. 14.

Bowser, Percy L.: *See*—
Venser, William M., and Bowser.

Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Stabilized tower supported antenna. 2,497,065, Feb. 14.

Bradley, John J., Jr., Winchester, assignor to Boston Varnish Company, Everett, Mass. Film spreader. 2,497,578, Feb. 14.

Bradley, William E., Springfield, assignor to Philco Corporation, Philadelphia, Pa. Frequency detector and frequency control circuits. 2,497,290, Feb. 14.

Bramson, Ely, Chicago, Ill. Egg candling machine. 2,497,655, Feb. 14.

Branneman, Leonard, Green Cove Springs, Fla. Steam vacuum cleaner. 2,497,435, Feb. 14.

Brantley, Warner M., Birmingham, Ala. Attachable fulcrum for dental torceps. 2,497,254, Feb. 14.

Brennan, Joseph B., Bratenahl, Ohio, assignor to Everett D. McCurdy, trustee. Making condensers. 2,497,066, Feb. 14.

Breukel, Stephanus J. H., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Settler. 2,497,392, Feb. 14.

Brewton, Lee, Melrose Park, assignor to Federated Machine Products Inc., Chicago, Ill. Electric cooking appliance. 2,497,205, Feb. 14.

Bridgeport Brass Company, assignee: *See*—
Waller, Richaid J.

Bridgman, J. Allinton: *See*—
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.

Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Carbohydrate preservative. 2,497,579, Feb. 14.

Briggs, Claude M., assignor of one-third to J. Shaw, Elk City, Okla. Adjustable photographer's posing chair. 2,497,580, Feb. 14.

British Cotton Industry Research Association, The, assignee: *See*—
Henry, Philip S. H., McDonald, and Todd.

Brockway Company, The, assignee: *See*—
Richardson, James C.

Brooks, Richard E.: *See*—
Gresham, William F., and Brooks.

Brown, Carl D.: *See*—
Fiset, Alphonse J., and Brown.

Brown, Charles K., Jr., Fairmont, W. Va. Vacuum cleaner dust bag unloader. 2,497,581, Feb. 14.

Brown, David P., Los Angeles, Calif. Differential pressure indicator. 2,497,255, Feb. 14.

Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,497,436, Feb. 14.

Brubaker, Merlin M., Boothwyn, Pa., J. R. Roland, Wilmington, Del., and M. D. Peterson, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of ethylene with vinyl chloride. 2,497,291, Feb. 14.

Bruce, Charles A., and F. H. Lyons, assignors to E. L. Bruce Co., Memphis, Tenn. Metallic wool pad. 2,497,206, Feb. 14.

Bruce, E. L., Co., assignee: *See*—
Bruce, Charles A., and Lyons.

Bruner, Walter M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N-isobutyl hexamethylenediamines. 2,497,292, Feb. 14.

Brush Development Company, The, assignee: *See*—
Begun, Semi J.
Gravley, Charles K.
Jaffe, Hans.
Kornel, Otto.
Massa, Frank.
Williams, Alfred L. W.

Brustolon, George B., and J. E. Hoey, Groton, Conn. Egg sheller. 2,497,342, Feb. 14.

Buc, Saul R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. 3,5-dihalogen-2-cyanodiphenyls. 2,497,060, Feb. 14.

Buchhart, Prosper W., Closter, N. J. Semiautomatic table lighter. 2,497,582, Feb. 14.

Budelman, Christopher D., Baldwin, N. Y. Tool and handle attaching means therefor. 2,497,437, Feb. 14.

Burk, Ernest, Washington, D. C. Finger ring. 2,497,207, Feb. 14.

Burlington Mills Corporation, assignee: *See*—
Woods, Herbert J.

Bush, Ruth V.: *See*—
Himmel, Loran B., and Bush.

Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Fluid operated disk brake. 2,497,438, Feb. 14.

Byrns, Alva C., Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Preparation of magnesium nitride. 2,497,583, Feb. 14.

Cade, William M., assignor to Deere Manufacturing Co., Dubuque, Iowa. Brake pedal lock for vehicles. 2,497,293, Feb. 14.

Caln, Elmer B., Collingswood, N. J., assignor to Radio Corporation of America. Interlock. 2,497,487, Feb. 14.

Campbell, Donald J., and E. F. Lefson, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of peroxide solutions. 2,497,810, Feb. 14.

Campbell, John H., Mentor Headlands, Ohio, assignor to General Electric Company. Circuits for high-frequency operation of fluorescent lamps. 2,497,534, Feb. 14.

Campbell, Thomas A., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating fitting. 2,497,758, Feb. 14.

Canney, Arthur W., assignor to Airkem, Inc., New York, N. Y. Air ventilating system with malodor reducing means. 2,497,068, Feb. 14.

Cantrell, Troy L.: *See*—
Smith, Herschel G., Cantrell, and Peters.

Cappleman, Homer L., Jr., Miami, Fla. Rain or snow gauge. 2,497,759, Feb. 14.

Carborundum Company, The, assignee: *See*—
Roble, Norman P.
Stohr, Robert W.

Carington, Charles M.: *See*—
Pickett, Walter J., Carington, and Shoobert.

Carlbom, Axel G. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjuster for brakes. 2,497,343, Feb. 14.

Carlino, Frank, Buffalo, N. Y. Electrically heated paint remover. 2,497,535, Feb. 14.

Carlson, Andrew H., assignor to Parker Manufacturing Company, Worcester, Mass. Screw holder. 2,497,256, Feb. 14.

Carlson, Carl S., Elizabeth, and H. T. Oakley, Jersey City, N. J., assignors to Standard Oil Development Company. Control of foaming. 2,497,150, Feb. 14.

Carmichael, George W., assignor to Carmichael Machine Company, Columbus, Ohio. Interval timer. 2,497,584, Feb. 14.

Carmichael Machine Company, assignee: *See*—
Carmichael, George W.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Berdis, Albert J., and Dahl.
George, Nelson C., and Haab.
Jones, Joshua P., and White.

Carpenter, Ralph A., and D. M. Lowe, Washington, D. C. Servo system testing. 2,497,069, Feb. 14.

Carr, Adams & Collier Company, assignee: *See*—
Bissell, Frederick E., Jr., and Claussen.

Carrell, Ross M., assignee: *See*—
Himmel, Loran B., and Bush.

Cartwright, Leonard C., New York, N. Y., assignor to Foster D. Snell, Inc. Insecticidal composition. 2,497,294, Feb. 14.

Case, J. I., Company, assignee: *See*—
Heth, Sherman C., and Tallman.

Cashwell, George W. Elizabethtown, N. C. Automatic intermittent feed-and-cut swing frame wood saw. 2,497,488, Feb 14.

Cavallier, Jean A., Nancy, assignor to Societe: Pompes Noel, Liverdun (Meurthe-et Moselle), France. Device for manipulating sand and other pulverulent substances. 2,497,295, Feb. 14.

Celanese Corporation of America, assignee: *See*—
Myles, William J., and Prichard.

Cerf, Gustave D., Livingston, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Resistor bulb. 2,497,439, Feb. 14.

Chambers, Unlon J., Knoxville, Tenn. Adjustable mirror or picture holder. 2,497,760, Feb. 14.

Chance, Franklin S., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of ethylene. 2,497,296, Feb. 14.

Chandler, Carroll F., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn conditioning. 2,497,536, Feb. 14.

Chandler & Price Company, assignee: *See*—
Root, Charles F.

Char-Lynn Co., assignee: *See*—
Darr, Harold W.

Chase, Harold M., Chicago, Ill., assignor to S & C Electric Company. Tensioned fuse construction. 2,497,257, Feb. 14.

Chelle, Paul L., Paris, France. Bottle labeler with neck label gauge. 2,497,344, Feb. 14.

Chesser, Cecil E., Hebron, and T. H. Cline, assignors to Newark Stove Company, Newark, Ohio. Deep well cooker. 2,497,258, Feb. 14.

Ciba Pharmaceutical Products Inc., assignee: *See*—
Miescher, Karl, and Meystre.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons. 2,497,761, Feb. 14.

Clark, C. & J., Limited, assignee: *See*—
Mackay, James E.

Clark, Geoffrey W., Bramcote, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves. 2,497,811, Feb. 14.

Clark, Thomas, and J. H. C. Atkins, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Multidisk rotor. 2,497,151, Feb. 14.

Clarke Sanding Machine Company, assignee: *See*—
Petersen, William L.

Clarke, Varro J., Schenectady, N. Y., assignor to General Electric Company. Selective relay system. 2,497,656, Feb. 14.

Claussen, Eugene E.: *See*—
Bissell, Frederick E., Jr., and Claussen.

Clay, Murray G., Chicago, Ill. assignor by mesne assignments, to Pettibone Mulliken Corporation. Apparatus for ramming flasks. 2,497,585, Feb. 14.

Clay, Reginald S., and J. A. Moore, Mill Hill, London, assignors to United Kingdom Optical Company, Limited, London, England. Apparatus for fine measurements such as comparators and extensometers. 2,497,345, Feb. 14.

Cline, Truman H.: *See*—
Chesser, Cecil E., and Cline.

Clinton Industries, Inc., assignee: *See*—
Newton, John M., and Ough.

Coggeshall, Norman D., Verona, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Electrical logarithm computer. 2,497,208, Feb. 14.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Purification of petroleum sulfonates. 2,497,152, Feb. 14.

Cohen, Maurice M., assignee: *See*—
Fichter, Julius.

Cole, Dalton E., Chicago, Ill. Construction toy. 2,497,657, Feb. 14.

Coleman, Joseph E., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Crystal analysis apparatus having a removable crystal holder. 2,497,070, Feb. 14.

Colgate, William H., Highland Park, Ill. Package. 2,497,071, Feb. 14.

Collins, Henry M., Vaughan, Ontario, assignor to Reliable Plastics Company, Limited, Toronto, Ontario, Canada. Coloring method for plastics. 2,497,346, Feb. 14.

Colonial Radio Corporation, assignee: *See*—
Wiley, Verlis H.

Comerford, William H.: *See*—
Golding, James L., Bowman and Comerford.

Conn, C. G., Ltd., assignee: *See*—
Jeffries, Leroy J.

Consolidated Machine Tool Corporation, assignee: *See*—
Roberts, Roland R.

Conti, John A., assignor to Hedstrom-Union Company, Gardner, Mass. Baby walker. 2,497,393, Feb. 14.

Control Instrument Company, Inc., assignee: *See*—
Fialkow, Aaron D.
Herr, Donald L.
Libman, Earl E.

Coons, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Container feed and control mechanism. 2,497,586, Feb. 14.

Cooper, Arthur B., Massillon, Ohio. Torsion spring wheel suspension. 2,497,072, Feb. 14.

Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkylamino alkyl benzoates. 2,497,394, Feb. 14.

Copelin, Harry B., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of pentanediol. 2,497,812, Feb. 14.

Corbiere, Jacques P. C. E., Lyon, assignor to Societe "Rhodiaceta," Paris, France. Manufacture of solutions of polymerized styrene compounds. 2,497,259, Feb. 14.

Corley, Bennie O., Union City, Tenn. Scissors. 2,497,587, Feb. 14.

Corn Products Refining Company, assignee: *See*—
Artz, Neal E.

Cosakis, Nicolas, Cairo, Egypt. Airplane passenger carrier. 2,497,153, Feb. 14.

Coursen, John W., New York, N. Y., and E. J. Schweitzer, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Hydraulic strut. 2,497,489, Feb. 14.

Court, Leslie W., Richmond, Ind., assignor to International Harvester Company. Apparatus for forming potato digger links. 2,497,297, Feb. 14.

Cramer, Roy A., Sr., Hickman Mills, Mo. Reclining chair. 2,497,395, Feb. 14.

Crampton, Basil R., assignor, by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich. Spud for flush tank levers. 2,497,396, Feb. 14.

Crampton Manufacturing Company, assignee: *See*—
Crampton, Basil R.

Crane Packing Company, assignee: *See*—
Voytech, Charles F.

Crane, Walter, assignee: *See*—
Blankenship, Alma.

Croco, Carlton W.: *See*—
Terry, Daniel H., and Croco.

Crompton & Knowles Loom Works, assignee: *See*—
Le Blanc, Oslas J., and Schedin.

Curd, Francis H. S., J. K. Landquist, C. G. Raison, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quinoline derivatives. 2,497,347, Feb. 14.

Currie, Dugald, Des Moines, Iowa. Cornhusking mechanism. 2,497,298, Feb. 14.

Curry, Herman H., United States Coast Guard. Induction generator. 2,497,113, Feb. 14.

Curry, Herman H., Inverness, Fla. Induction generator. 2,497,114, Feb. 14.

Dahl, Laurence S.: *See*—
Berdis, Albert J., and Dahl.

Dailey, William H., Jr., Library, and E. A. Di Nucci, Pittsburgh, Pa. Conveyer roll for heated strips or the like. 2,497,154, Feb. 14.

Daily, Sherwood, Downers Grove, Ill., assignor to International Harvester Company. Supporting means for milking apparatus. 2,497,299, Feb. 14.

Dales, George F., Akron, Ohio. Thermostat switch. 2,497,397, Feb. 14.

Daniels, Louis R., Belmont, Mass. Outboard motor mounting for boats. 2,497,490, Feb. 14.

Darr, Harold W., assignor to Char-Lynn Co., Minneapolis, Minn. Portable pressure fluid servomotor and valve therefor. 2,497,813, Feb. 14.

Daugherty, Lucius L., Jr., Jacksonville, Fla. Ironing board leg mounting. 2,497,763, Feb. 14.

Davidson, Iva C., assignee: *See*—
Ashcraft, Ernest G.

Davies, James A., Scarsdale, assignor to The Texas Company, New York, N. Y. Refining oil with a selective solvent. 2,497,588, Feb. 14.

Davis, David L.: *See*—
Messer, John S., and Davis.

Davis, Ernest W., River Forest, Ill. Lubrication gun. 2,497,762, Feb. 14.

Davis, Floyd E., Gary, Ind. Rotary shear. 2,497,155, Feb. 14.

Davis, Menno H., Detroit, Mich. Collapsible auxiliary seat. 2,497,658, Feb. 14.

Davis, Robert L.: *See*—
Macintyre, John R., and Davis.

Davis, Robert S., Ajo, Ariz., assignor of one half to R. E. Edgington, Cleveland, Ohio. Camp kit having two table closures providing multiple seals. 2,497,156, Feb. 14.

Davis, Thomas J., and V. B. Miller, Beaumont, Tex. Tubing cleaning device. 2,497,659, Feb. 14.

Davitcho, Samuel I., Montreal, Quebec, Canada. Comb. 2,497,209, Feb. 14.

Dawson, Reginald D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Oil base drilling fluid. 2,497,398, Feb. 14.

Day, Ray E., Detroit, Mich. Casting metals. 2,497,210, Feb. 14.

Dayton, Carl S.: *See*—
Young, James F., and Dayton.

Decarlo, Vito, New Rochelle, N. Y. Hedge trimmer. 2,497,211, Feb. 14.

Deere Manufacturing Co., assignee: *See*—
Cade, William M.

De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Tank truck support. 2,497,115, Feb. 14.

De Mers, Edward F.: *See*—
Goldberg, Harold, and De Mers.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation and recovery of the constituents of air. 2,497,589, Feb. 14.

Denny, Lee R., Inglewood, Calif. Hand truck. 2,497,440, Feb. 14.

Detroit Lubricator Company, assignee: *See*—
Landon, Walter S.
Von Wangenheim, Adolf.

Detweiler, James I., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Hydraulic coupling. 2,497,441, Feb. 14.

Devine, George F., Easton, Conn., assignor to General Electric Company. Leakage minimizing shield for electron discharge devices. 2,497,660, Feb. 14.

De Vore, Henry B., Cranbury, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,497,831, Feb. 14.

De Vry Corporation, assignee: *See*—
Washam, Joseph.

De Witt, Lloyd R., Mount Vernon, Ill. Film magazine. 2,497,157, Feb. 14.

Dexter, Stephen T., assignor to Michigan State Board of Agriculture, East Lansing, Mich. Preserving unpopped pop corn at optimum moisture content. 2,497,399, Feb. 14.

Dictograph Products Company, Inc., assignee: *See*—
Young, Don H.

Di Nucci, Edward A.: *See*—
Dailey, William H., Jr., and Di Nucci.

Disposable Bottle Corporation, assignee: *See*—
Allen, Adda M.

Disston, Henry, and Sons, Inc., assignee: *See*—
Thayer, Joseph T., Jr.

Dole Valve Company, The, assignee: *See*—
Mikeska, Peter L.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Electronic musical instrument. 2,497,661, Feb. 14.

Donahue, William H., assignee: *See*—
Rice, Percy F.

Donaldson, William R., trustee, assignee, administrator: *See*—
Monroe, Thomas E.

Dondero, Joseph: *See*—
Ferrario, John J., and Dondero.

Donofrio, Alfonso M., Toledo, Ohio. Manufacturing capsules. 2,497,212, Feb. 14.

Dopyera, Louis, Jackson, Wyo., assignor to Valco Manufacturing Company, Chicago, Ill. Stringed musical instrument. 2,497,116, Feb. 14.

Dorgelo, Eduard G.: *See*—
Zaayer, David, and Dorgelo.

Dorman, Leonard M.: *See*—
Firing, Osborne, and Dorman.

Doughty, Ellen K., Allentown, Pa. Hospital bed gown. 2,497,764, Feb. 14.

Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Accumulator. 2,497,491, Feb. 14.

Dow Chemical Company, The, assignee: *See*—
Frevel, Ludo K.
Long, Merton W., Jr.

Downing, James R. O., assignor to National Research Corporation, Boston, Mass. Pressure gauge. 2,497,213, Feb. 14.

Draper Corporation, assignee: *See*—
Fiset, Alphonse J., and Brown.
Tuten, James M.

Dreffein, Henry A., West Chicago, Ill. Heat-treating material. 2,497,442, Feb. 14.

Dresko Machine Corporation, assignee: *See*—
Haumann, Joseph.

Dressel, Henry M., assignor to Stackpole Carbon Company, St. Marys, Pa. Device for tuning high-frequency circuits. 2,497,662, Feb. 14.

Dreyer, William F., Miami, Fla. Stud extractor tool. 2,497,214, Feb. 14.

Dreyfus, Camille, New York, N. Y. Surface-bonding fibrous batts. 2,497,117, Feb. 14.

Drill, Charles, assignor to E. M. Drill, St. Louis, Mo. Emergency plane carrier. 2,497,590, Feb. 14.

Drill, Emma M., assignee: *See*—
Drill, Charles.

Dubpernell, George, Watertown, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Minimizing "patchiness" in etched chromium electrodeposits. 2,497,591, Feb. 14.

Dudley, James R., Darien, and J. A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction products of dicyandiamide with an amine-formaldehyde reaction product. 2,497,073, Feb. 14.

Dudley, James R., Darien, and J. A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified urea-formaldehyde resins and preparing the same. 2,497,074, Feb. 14.

Dunlap, Henry L.: *See*—
Nampa, Sulo M., Tobin and Dunlap.

Dunlop Rubber Company Limited, assignee: *See*—
Butler, Henry J.

Dunlop Tire & Rubber Corporation, assignee: *See*—
Illingworth, James W., and Madge.

Dunlop Tire and Rubber Corporation, assignee: *See*—
McChesney, Cuyler S.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Arnold, Harold W.
Brubaker, Merlin M., Roland, and Peterson.
Bruner, Walter M.
Campbell, Donald J., and Lefson.
Chance, Franklin S., Jr.
Chandler, Carroll F.
Copelin, Harry B.
Elliott, John F.
Elston, Arthur A.
Gresham, William F.
Gresham, William F., and Brooks.
Kirk, William, Jr.
Larson, Alfred T.
Larson, Alfred T., and Weber.
Lee, Henry R., and Weinmayr.
Loder, Donald J., and Gresham.
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.
O'Leary, Daniel K.
Roedel, Milton J.
Terry, Daniel H., and Croco.
Weinmayr, Viktor.
Werts, James H.
Young, James H.

Dutterer, Rex J. L., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,497,158, Feb. 14.

Dyer, Alvin C., Shaker Heights, assignor to The Electric Controller & Manufacturing Co., Cleveland, Ohio. Control means for dynamic braking. 2,497,492, Feb. 14.

Earley, Robert W., Burlington, Vt., and E. S. Wegman, East Longmeadow, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dispensing apparatus. 2,497,718, Feb. 14.

Eastern Tool and Manufacturing Company, assignee: *See*—
Elwell, George H.

Eatman, Josephine N., St. Augustine, Fla. Form fitting heating pad. 2,497,443, Feb. 14.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Selective condition control. 2,497,663, Feb. 14.

Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J.

Ebert, William F., Rutledge, Pa. Voice input control system. 2,497,075, Feb. 14.

Ecker, Murray F., Huntington Park, assignor to Pacific Pumps, Inc., Los Angeles, Calif. Fluid-operated pump. 2,497,848, Feb. 14.

Eclipse Fuel Engineering Co., assignee: *See*—
Stadler, Albert.

Economy Fuse and Manufacturing Company, assignee: *See*—
Messer, John S., and Davis.

Edington, Robert E., assignee: *See*—
Davis, Robert S.

Edison, Thomas A., Incorporated, assignee: *See*—
Cerf, Gustave D.

Edwards, Harold T., Los Angeles, Calif. Artificial arm. 2,497,493, Feb. 14.

Egilson, Meyer, assignee: *See*—
Wikstrom, Adolph B.

Eisinger, Paul L.: *See*—
Todd, Keith H., Eisinger, and Vogt.

Eitel-McCullough, Inc., assignee: *See*—
Miller, Harold D., and Williams.
Williams, Paul D.

Electric Controller & Manufacturing Co., The, assignee: *See*—
Dyer, Alvin C.

Elenbaas, Willem: *See*—
Gonkens, Henricus, Elenbaas, and Padmos.

Eller, Lee, assignor to A. E. Rains, Spokane, Wash. Cutting tool. 2,497,400, Feb. 14.

Elliott, John F., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Floating piston pump. 2,497,300, Feb. 14.

Elston, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of peroxide solutions. 2,497,814, Feb. 14.

Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,497,401, Feb. 14.

Emley, Edward F.: *See*—
Ball, Charles J. P., Fox, Jessup, and Emley.
Ball, Charles J. P., Jessup, Emley, and Fisher.

Emley, Edward F., Clifton Junction, near Manchester, assignor to Magnesium Elektron Limited, London, England. Fluxes for the treatment of light alloys. 2,497,540, Feb. 14.

Emley, Edward F., and A. C. Jessup, Clifton Junction Works, near Manchester, and P. A. Fisher, Flixton, assignors to Magnesium Elektron Limited, London, England. Zirconium carrying alloying substance. 2,497,537, Feb. 14.

Emley, Edward F., and A. C. Jessup, Clifton Junction, near Manchester, assignors to Magnesium Elektron Limited, London, England. Fluxes for use in the treatment of light metals. 2,497,538, Feb. 14.

Emley, Edward F., and A. C. Jessup, Clifton Junction, near Manchester, assignors to Magnesium Elektron Limited, London, England. Process and flux for the treatment of light metals. 2,497,539, Feb. 14.

Enterprise Railway Equipment Company, assignee: *See*—
Zimmer, Albert E., and Batho.

Epps, Ernest A., Jr.: *See*—
Steele, Clellie T., and Epps, Jr.

Erickson, Lennart G., San Francisco, Calif. Carrier terminal equipment. 2,497,592, Feb. 14.

Erickson, Lennart G., San Francisco, Calif. Carrier current signaling system. 2,497,593, Feb. 14.

Eserkaln, Theodore F.: *See*—
Armitage, Joseph B., Eserkaln, and Wetzel.

Eureka Williams Corporation, assignee: *See*—
Hammell, Kemper M.
Stoops, Marion W.

Evans Products Company, assignee: *See*—
Nampa, Sulo M., Tobin, and Dunlap.

Evert, Samuel H., assignee: *See*—
Horning, James W.

Excelsior Machine Company, assignee: *See*—
Pohl, Alois M., and Herber.

Fairey Aviation Company Limited, The, assignee: *See*—
Forsyth, Archibald G.

Fairlamb, George R., Pelham, assignor to General Hospital Supply Service, Inc., New York, N. Y. Oxygen tent canopy. 2,497,332, Feb. 14.

Falk & Company, assignee: *See*—
Gutkin, Samuel S.

Farkas, Adalbert, Philadelphia, Pa., and A. I. Smith, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Production of allcyclic alcohols. 2,497,349, Feb. 14.

Farmer, Earl W., Deephaven, Minn. Hair drier. 2,497,301, Feb. 14.

Fasce, Egi V., Baton Rouge, La., assignor to Standard Oil Development Company. Separation of olefins. 2,497,159, Feb. 14.

Federated Machine Products Inc., assignee: *See*—
Brewton, Lee.

Fejment, Erik V., Nykoping, Sweden. Machine for manufacturing hollow bodies of plastic material. 2,497,160, Feb. 14.

Felts, Jerome J.: *See*—
Wharam, John J., and Felts.

Ferda, Roman, Bronx, N. Y. Pistol shock absorbing device. 2,497,350, Feb. 14.

Ferguson, Alexander D., Michigan City, Ind., assignor to Joy Manufacturing Company. Grinding machine. 2,497,076 Feb. 14.

Ferland, Napoleon S.: *See*—
Woodman, Charles K., and Ferland.

Ferrara, John B., Howard Beach, assignor to American Teletimer Corp., Brooklyn, N. Y. Race timing system. 2,497,541, Feb. 14.

Ferrario, John J., and J. Dondero, San Francisco, Calif. Apparatus for lifting cylindrical objects. 2,497,118, Feb. 14.

Fialkow, Aaron D., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Stable vertical. 2,497,594, Feb. 14.

Fichter, Julius, South Euclid, assignor to M. M. Cohen, Cleveland, Ohio. Hair extractor mechanism. 2,497,719, Feb. 14.

Findlay, Samuel N., and L. A. Hayes, Elyria, Ohio, assignors to National Tube Company. Magnetic roll conveyer. 2,497,162, Feb. 14.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Electromagnetic device. 2,497,402, Feb. 14.

Finer Foods Packing Corp., assignee: *See*—
Foulkes, John H.

Fink, Colin G., New York, N. Y., assignor to Alwac Company, Inc., Wilmington, Del. Coating ferrous metals with aluminum. 2,497,119, Feb. 14.

Finken, Walter S., assignee: *See*—
Frieder, Leonard P., and Finken.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe press. 2,497,161, Feb. 14.

Firing, Osborne, Staten Island, N. Y., and L. M. Dorman, Meadville, Pa., assignors to Talon, Inc. Loom. 2,497,077, Feb. 14.

Fiset, Alphonse J., Worcester, and C. D. Brown, assignor to Draper Corporation, Hopedale, Mass. Cloth roll windup and release. 2,497,120, Feb. 14.

Fisher, Philip A.: *See*—
Ball, Charles J. P., Jessup, Emley, and Fisher.
Emley, Edward F., Jessup, and Fisher.

Fleming, Glen L., San Leandro, Calif. Stall warning device for airplanes. 2,497,494, Feb. 14.

Fleming, James C.: *See*—
Baker, Robin, and Fleming.

Fletcher Aircraft: *See*—
Fletcher, Frank P.

Fletcher, Dean, Wildomar, Calif. Quick removable rooter attachment for bulldozer moldboards. 2,497,351, Feb. 14.

Fletcher, Frank P., assignor to W. S., F. P., and M. C. Fletcher, co-partners doing business as Fletcher Aircraft, Pasadena, Calif. Bicycle construction. 2,497,121, Feb. 14.

Fletcher, Maurice C., assignee: *See*—
Fletcher, Frank P.

Fletcher, Wendell S., assignee: *See*—
Fletcher, Frank P.

Floro, Robert W., Indianapolis, assignor to H. Y. Fowler, Sr., Anderson, and E. W. Bidwell, Indianapolis, Ind. Shoe sling back strap support. 2,497,720, Feb. 14.

Floyd, Henry G., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Apparatus for determining eccentricity in tubular sections. 2,497,595, Feb. 14.

Fluchaire, Maurice L. A., and G. L. A. Bost, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of 2(p-aminobenzenesulfonamido)-pyrimidine. 2,497,163, Feb. 14.

Folkers, Karl: *See*—
Heyl, Dorothea, Harris and Folkers.

Food Machinery and Chemical Corporation, assignee: *See*—
Coons, Burton C.

Ford Motor Company, assignee: *See*—
Adams, George E.
Hicks, Harold A.
Rainey, Challenor W.
Scott, Edwin D., and Stephenson.
Wharam, John J., and Felts.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Cooling means for aircraft engines. 2,497,444, Feb. 14.

Foulkes, John H., assignor to Finer Foods Packing Corp., Terre Haute, Ind. Canned liquid coffee and making same. 2,497,721, Feb. 14.

Fowler, Henry Y., Sr., assignee: *See*—
Floro, Robert W.

Fox, Francis A.: *See*—
Ball, Charles J. P., Fox, Jessup, and Emley.

Frank, Herman M., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Slide fastener scoops or interlocking elements. 2,497,122, Feb. 14.

Frech, Theodore W., Cleveland, Ohio, assignor to General Electric Company. Time delay magnetic starter. 2,497,542, Feb. 14.

Frevel, Ludo K., assignor to The Dow Chemical Company, Midland, Mich. Deflecting and focusing means for X-rays. 2,497,543, Feb. 14.

Frick, Harold L., Detroit, Mich., assignor to Hydraulic Brake Company. Fluid pressure actuated motor for vehicle brakes. 2,497,815, Feb. 14.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., said Finken assignor to said Frieder. Tent. 2,497,596, Feb. 14.

Fritzsch, Frank A., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Automatic lathe control. 2,497,302, Feb. 14.

Frolich, Per K., Westfield, N. J., assignor to Standard Oil Development Company. Fuel cell. 2,497,123, Feb. 14.

Gall, James E., Washington, D. C. Tube mount. 2,497,078, Feb. 14.

Gardiner, Arthur N., administrator: *See*—
Gardiner, Laurance E.

Gardiner, Laurance E., Stratford, N. J., A. N. Gardiner, administrator of said L. E. Gardiner, deceased, assignor to A. N. Gardiner, individually. Automatic telegraph transmitter. 2,497,722, Feb. 14.

Gasair Corporation, assignee: *See*—
Heller, John K.

Gatewood, Worth C., Alexandria, Va. Carrier for gas containers. 2,497,597, Feb. 14.

Gaul, Clyde, assignor to General Electric X-Ray Corporation, Chicago, Ill. Film marking device. 2,497,445, Feb. 14.

Gayer, Raymond H., assignor to The American Welding & Manufacturing Company, Warren, Ohio. Roller bearing housing. 2,497,403, Feb. 14.

Geissbuhler, John O: *See*—
Stone, Joseph E., and Geissbuhler.

General Aniline & Film Corporation, assignee: *See*—
Buc, Saul R.
Vogt, Curt G., and Marschall.
Von Glahn, William H.

General Electric Company, assignee: *See*—
Amsden, Ralph D.
Anderson, Marshall.
Baxley, Carl E.
Campbell, John H.
Clarke, Varro J.
Devine, George F.
Dome, Robert B.
Eaton, John.
Frech, Theodore W.
Gooskens, Henricus, Elenbaas, and Padmos.
Greiner, Alfred.
Grumblatt, Victor J.
Haley, Shubel C.
Hanson, Earl C., and Watts.
Harvey, Bernard A., and Peterson.
Lathrop, Harold F.
Macintyre, John E., and Davis.
Mayer, Harry F.
Ogden, Harold S.
Padmos, Adriaan A., and Schouwstra.
Palmer, John H.
Pipkin, Marvin.
Schroeder, Ewald E.
Shea, Richard F.
Sheppard, Raymond.
Stone, Joseph E.
Stone, Joseph E., and Geissbuhler.

General Electric Company, assignee: *See*—Continued
Sutherland, James R.
Terpak, Stephen.
Wetherill, Lynn.
Young, James F., and Dayton.
Zyta, Leon H.

General Electric X-Ray Corporation, assignee: *See*—
Gaul, Clyde.
Vlach, John J.

General Engineering & Manufacturing Company, assignee: *See*—
Gygax, Ernest.

General Hospital Supply Service, Inc., assignee: *See*—
Fairlamb, George R.

General Precision Laboratory Incorporated, assignee: *See*—
Paine, George R., and Platt.
Palmer, James P.

George, Nelson C., Crown Point, and R. C. Haab, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation. Manufacture of tin plate. 2,497,164, Feb. 14.

Gieringer, Carl K., and A. G. Billin, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Frequency responsive control circuit. 2,497,404, Feb. 14.

Giesey, A. E., assignee: *See*—
Smith, David C., and Oblinger.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Logan, Joseph A.

Gilbreath, Marlin U. Long Beach, Calif. Pole transporting dolly. 2,497,352, Feb. 14.

Gilgoff, Herman, Brooklyn, N. Y. Continuous firing toy gun. 2,497,723, Feb. 14.

Gilliam, James S., Jr.: *See*—
Nevins, Samuel L., and Gilliam.

Gilmore, William A., Dayton, Ohio. Gate hinge structure. 2,497,495. Feb. 14.

Gilson, William D., and H. B. Myers, assignors to The Robinson Clay Products Company, Akron, Ohio. Clay pipe cutter. 2,497,724, Feb. 14.

Glover, Donald O., Pullman, Wash. Identification card and mechanism. 2,497,405, Feb. 14.

Godley, Charles E., Ferndale, assignor to King-Seeley Corporation, Ann Arbor, Mich. Timer mainspring variable preloading means. 2,497,079, Feb. 14.

Godwin, Clifford B., University City, Mo. Transmission. 2,497,598, Feb. 14.

Goldberg, Harold, Irondequoit, and W. C. Thompson, assignors to Stromberg-Carlson Company, Rochester, N. Y. Coincidence circuit for image displaying systems. 2,497,165, Feb. 14.

Goldberg, Harold, Irondequoit, and E. F. De Mera, assignors to Stromberg-Carlson Company, Rochester, N. Y. Parallel circuit arrangement for power tubes. 2,497,166, Feb. 14.

Golding, Ann, assignee: *See*—
Golding, James L., Bowman, and Comerford.

Golding, Evelyn L., assignee: *See*—
Golding, James L., Bowman, and Comerford.

Golding, James L. and I. C. Bowman, Chicago, and W. H. Comerford, Bellwood, Ill., assignors to J. L., E. L., and A. Golding, doing business as Plasti-Glo Manufacturing Company. Bracket for curtains and draperies. 2,497,446, Feb. 14.

Good, Beulah L.: *See*—
Good, Charles Z. and B. L.

Good, Charles Z. and B. L., Los Angeles, Calif. Photographic retouching stand. 2,497,215, Feb. 14.

Goodrich, B. F., Company, The, assignee: *See*—
Hursh, Robert W.
Whitman, Hyman L.

Gooskens, Henricus, W. Elenbaas, and A. A. Padmos, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Electrode structure for electric discharge devices or lamps. 2,497,496, Feb. 14.

Goss Printing Press Company, assignee: *See*—
Worthington, Emory W.

Graflex, Inc., assignee: *See*—
Panoslan, James S.

Graham, Clarence H., Champaign, assignor to Swift & Company, Chicago, Ill. Soya bean storage bin equipment. 2,497,406, Feb. 14.

Gravina, Michel, Paris, France. Centrifugal clutch. 2,497,544, Feb. 14.

Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric device. 2,497,665, Feb. 14.

Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electrode for piezoelectric crystals. 2,497,666, Feb. 14.

Gray, John E. and R. A., Jr., and W. M. Parker, assignors to Mueller Brass Co., Port Huron, Mich. Pressure control valve. 2,497,664, Feb. 14.

Gray, Robert A., Jr.: *See*—
Gray, John E. and R. A., Jr., and Parker.

Green, Alfred J., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Silica sol catalyst in the emulsion polymerization of butadiene-1,3 hydrocarbons. 2,497,447, Feb. 14.

Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Method and apparatus for grinding rod and wire. 2,497,407, Feb. 14.

Greene, Edgeworth, Great Notch, assignor to Inter-Seal Corporation, Spring Lake, N. J. Receptacle closure. 2,497,599, Feb. 14.

Greenhalgh, John, Auburndale, N. W. Pinkham, North Quincy, and R. B. Tomer, Danvers, assignors to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,497,816, Feb. 14.

Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Servo system derivative generator. 2,497,216, Feb. 14.

Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp or similar device and manufacture. 2,497,545, Feb. 14.

Gresham, Harold E., Little Eaton, and D. W. Hall, West Monkseaton, assignors to Rolls-Royce Limited, Derby, England. Heat-treatment of nickel-chromium alloys. 2,497,667, Feb. 14.

Gresham, William F.: *See*—
Loder, Donald J., and Gresham.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of propylene glycol esters. 2,497,408, Feb. 14.

Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction between olefinic compounds, carbon monoxide, and hydrogen in the presence of a metal carbonyl catalyst. 2,497,303, Feb. 14.

Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carboxylic acid anhydrides. 2,497,304, Feb. 14.

Griesemer, Harry E., Bloomington, assignor to Northwestern Steel and Wire Company, Sterling, Ill. Electrical control for fence welding machines. 2,497,260, Feb. 14.

Griffin, Curtis E., Rhododendron, Oreg. Cerium acetate containing composition. 2,497,546, Feb. 14.

Griffith, Frank S., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Recovery of manganese by electrolysis. 2,497,725, Feb. 14.

Grigsby, William M., Richmond, Va. Hoist device. 2,497,600, Feb. 14.

Groboli, Lorin E., assignor to Mueller Co., Decatur, Ill. Valve. 2,497,448, Feb. 14.

Grumblatt, Victor J., Erie, Pa., assignor to General Electric Company. Overload limiting device. 2,497,668, Feb. 14.

Guercio, Joseph, assignor to W. Waltz, Chicago, Ill. Film advancer for still projectors. 2,497,765, Feb. 14.

Guilbert, Inc., assignee: *See*—
Guilbert, Nicholas R., Jr., and Arbogast.

Guilbert, Nicholas R., Jr., Chestnut Hill, Pa., and G. J. Arbogast, Maple Shade, N. J., assignors to Guilbert, Inc., Philadelphia, Pa. Operating means for sliding elevator doors. 2,497,080, Feb. 14.

Guinot, Henri M., Versailles, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Purification of ether. 2,497,601, Feb. 14.

Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., Cantrell, and Peters.

Gulf Research & Development Company, assignee: *See*—
Coggeshall, Norman D.
Trautman, Charles E.

Gustafson, Gustaf, Groton, Conn. Wheel jacking apparatus. 2,497,726, Feb. 14.

Gutkin, Samuel S., Plainfield, N. J., assignor to Falk & Company, Carnegie, Pa. Besin-glyceride coating. 2,497,449. Feb. 14.

Guyol, Hazel S., Concord, N. H. Sleeping bag. 2,497,167, Feb. 14.

Gygax, Ernest, assignor to General Engineering & Manufacturing Company, St. Louis, Mo. Refrigeration system. 2,497,450, Feb. 14.

Haab, Rolf C.: *See*—
George, Nelson C., and Haab.

Hackathorn, James L., Los Angeles, Calif. Valve. 2,497,854. Feb. 14.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Oscillation generator. 2,497,766, Feb. 14.

Haefeli, Max, Basel, Switzerland. Procedure for the preparation of prosthesis of great strength from methyl methacrylate monomer and polymer. 2,497,451, Feb. 14.

Hagan Corporation, assignee: *See*—
Markson, Alfred A.

Hagen, Arthur H., Globe, Ariz. Fishing float. 2,497,355, Feb. 14.

Hagen, Arthur H., Los Angeles, Calif. Fishing float. 2,497,356, Feb. 14.

Hagen, Clarence R.: *See*—
Baker, David B., and Hagen.

Hale, Cedric, Glen Ellyn, and P. Schauert, assignors to Swift & Company, Chicago, Ill. Stabilization of eggs. 2,497,817, Feb. 14.

Haley, Shubel C., Narragansett, R. I., assignor to General Electric Company. Flux distribution compensator for electrictrical measuring instruments. 2,497,669. Feb. 14.

Hall, Douglas W.: *See*—
Gresham, Harold E., and Hall.

Hall, Elisha W., Scituate, Mass. Rotary cylinder abrading tool. 2,497,497, Feb. 14.

Hall, Walter J. T., Benton Harbor, Mich. Holder for rotary tools with center holes of different sizes. 2,497,217, Feb. 14.

Hallead, Mervil, assignor to Michael Yundt Company, Waukesha, Wis. Transfer device. 2,497,767, Feb. 14.

Hallead, Mervil, assignor to Michael Yundt Company, Waukesha, Wis. Power-driven conveyer. 2,497,768, Feb. 14.

Hamilton, Bert C., La Grande, Oreg. Bushing remover and replacer. 2,497,498, Feb. 14.

Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Cordless electric iron. 2,497,452, Feb. 14.

Hansen, Norman A., Lake Bluff, J. W. Milne and W. C. Risser, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Precipitation of alkali metal salts of penicillin. 2,497,769, Feb. 14.

Hanson, Earl C., Cleveland, Ohio, and D. E. Watts, De Witt, N. Y., assignors to General Electric Company. High-frequency heating and compression apparatus. 2,497,670. Feb. 14.

Hanson, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor-microphone. 2,497,770, Feb. 14.

Hanson, Walter J., Port Chester, N. Y., and A. D. Linden, assignors to Pitney-Bowes, Inc., Stamford, Conn. Moistening device for envelope flaps. 2,497,727, Feb. 14.

Harralson, Robert W.: *See*—
Beard, Joseph G., Harralson, and Kreithen.

Harris, Stanton A.: *See*—
Heyl, Dorothea, Harris, and Folkers.

Harris, William N., Atlanta, Ga. Sink dishwasher bearing. 2,497,168, Feb. 14.

Hart, Stephen V., New York, N. Y., assignor to Radio Corporation of America. Saturable reactor system. 2,497,218, Feb. 14.

Hartford-Empire Company, assignee: *See*—
Merrill, Donald G.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Berggren, Detlof E.
Boterweg, Dirk.
Hepp, Gerard.
Horowitz, Alexandre.
Kronquer, Johan G.
Van Weel, Adelbert.
Zanyer, David, and Dorgelo.

Hartough, Howard D., Pitman, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition containing a thenylamine. 2,497,067, Feb. 14.

Harvey, Bernard A., Liverpool, and E. O. Peterson, Syracuse, N. Y., assignors to General Electric Company. Automatic switching device. 2,497,671, Feb. 14.

Harvey, Leo M., La Canada, Calif. Mechanism for handling production from cup forming machines or the like. 2,497,124. Feb. 14.

Harwood, James: *See*—
Ralston, Anderson W., and Harwood.

Hastings, Charles E., Hampton, Va. Magnetic switch. 2,497,547, Feb. 14.

Hastings Manufacturing Company, assignee: *See*—
Dutterer, Rex J. L.

Hatch, Curtis L., assignor of one-third to E. D. Hatch, Salt Lake City, Utah. Clamp connector. 2,497,602, Feb. 14.

Hatch, Edwin D., assignee: *See*—
Hatch, Curtis L.

Hatfield, Cortland, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y. Spinning device. 2,497,082, Feb. 14.

Hattan, Mark, Dayton, Ohio. Self-locking nut and making the same. 2,497,081, Feb. 14.

Haumann, Joseph, assignor, by mesne assignments, to Dresko Machine Corporation, Chicago, Ill. Vending machine. 2,497,219, Feb. 14.

Haury, Vernon E., Simi, assignor to Shell Development Company, San Francisco, Calif. Preparation of amino alcohols. 2,497,548, Feb. 14.

Hayes, Loren A.: *See*—
Findlay, Samuel N., and Hayes.

Hazen, Adelbert G., Centerline, Mich. Knockdown box construction. 2,497,453. Feb. 14.

Hedding, Linnie K., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating transformer system. 2,497,499, Feb. 14.

Hedstrom-Union Company, assignee: *See*—
Conti, John A.

Heller, John K., assignor to Gasair Corporation, San Francisco, Calif. Fluid control system. 2,497,549, Feb. 14.

Helstrom, Julmer, Cook, Minn. Winch. 2,497,603, Feb. 14.

Henke, Sally M., Brooklyn, N. Y. U-frame for ladies' handbags. 2,497,353, Feb. 14.

Henney, Grover R., assignor to Swift & Company, Chicago, Ill. Meat cutting gauge. 2,497,818, Feb. 14.

Henry, Philip S. H., I. G. McDonald, and J. B. Todd, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Eliminating electrostatic charges in industrial processes. 2,497,604, Feb. 14.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Wave length modulating device. 2,497,605, Feb. 14.

Herber, Paul H.: *See*—
Pohl, Alois M., and Herber.

Herber, Pierre, Middlesex, and W. C. Richardson, North Plainfield, N. J., assignors to Research Corporation, New York, N. Y. Gas distributing system. 2,497,169, Feb. 14.

Hercules Powder Company, assignee: *See*—
Bried, Edward A.
Ivett, Reginald W.

Herr, Donald L., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Stable vertical. 2,497,607, Feb. 14.

Herrmann, Alvin G., Freeport, assignor to Herbert D. Adler & Company, New York, N. Y. Microfilm viewer and projecting apparatus with masking and selecting means. 2,497,606, Feb. 14.

Herrstrum, Rudolph E., and S. A. Bjorklund, assignors to Rockford Machine Tool Company, Rockford, Ill. Hydraulic circuits for machine tools. 2,497,608, Feb. 14.

Hers, Bert: *See*—
Hers, Rosalind and B.

Hers, Rosalind and B., New York, N. Y. Corset stay. 2,497,728, Feb. 14.

Heth, Sherman C., and W. B. Tallman, assignors to J. I. Case Company, Racine, Wis. Feathering reel construction. 2,497,729, Feb. 14.

Heyl, Dorothea, Rahway, S. A. Harris, Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing 2-methyl-3-hydroxy-4 aminomethyl-5-hydroxymethylpyridine. 2,497,730, Feb. 14.

Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle body construction. 2,497,261, Feb. 14.

Hightower, Corrie, and H. Springett, Quincy, Ill. Pipe bender and straightener. 2,497,500, Feb. 14.

Hildebrand, George L., U. S. Navy. Hydraulic safety device. 2,497,083, Feb. 14.

Himmel, Loran B., and R. V. Bush, Des Moines, Iowa, assignors, by mesne assignments, to R. M. Carrell. Treatment of coffee, etc. 2,497,501, Feb. 14.

Hirst, Walter, Cranston, R. I. Cam for shovels. 2,497,771, Feb. 14.

Hite, Alonzo R., Manitoou, Ill. Tool. 2,497,170, Feb. 14.

Hoe, R., & Co. Inc., assignee: *See*—
Toft, Norman P.

Hoey, John E.: *See*—
Brustolon, George B., and Hoey.

Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. 2-methyl-3,4-dihydroxy-5-phosphonoxymethyl-pyridine and preparing same. 2,497,731, Feb. 14.

Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. Hydroxypyridines and preparing the same. 2,497,732, Feb. 14.

Holland Furnace Company, assignee: *See*—
Quist, Cornelius.

Holst, Hans E. E.: *See*—
Norrefeldt, Ernst E. A., and Holst.

Hommel, Ernest M.: *See*—
Paul, William W., and Hommel.

Hommel, O., Company, The, assignee: *See*—
Paul, William W., and Hommel.

Hooe, Hunter B.: *See*—
Mehan, Thomas O., and Hooe.

Hoover, Clarence F., and J. Nissley, Harrisburg, Pa. Splash guard for use on shoe heels. 2,497,609, Feb. 14.

Horning, James W., assignor of one-half to S. H. Evert, Bloomsburg, Pa. Pack-type parachute and releasing means. 2,497,772, Feb. 14.

Horowitz, Alexandre, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus comprising a revolving head for tuning devices. 2,497,773, Feb. 14.

Huber, Albert F., Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y. Railroad switch adjustment. 2,497,502, Feb. 14.

Hulme, Philip M., Stamford, Conn., assignor to Air Reduction Company, Incorporated. Furnace for melting metals and alloys. 2,497,125, Feb. 14.

Humberson, Sidney T., Casper, Wyo. Safety-type cathead construction. 2,497,220, Feb. 14.

Hunt, Guss, Francisco, Ind. Land vehicle steering mechanism. 2,497,357, Feb. 14.

Huntzinger, Kenneth P., Pendleton, Ind. Camera for making successive exposures on a film transverse to the length thereof. 2,497,358, Feb. 14.

Hursh, Robert W., Erlton, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Making vaned tires. 2,497,774, Feb. 14.

Hydraulic Brake Company, assignee: *See*—
Frick, Harold L.

Hyresgasternas Sparkasse-och Byggnadsforeningars Riksforbund u. a. p., assignee: *See*—
Norrefeldt, Ernst E. A., and Holst.

Illingworth, James W., Little Aston, Sutton Coldfield, and E. W. Madge, Sutton Coldfield, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Manufacture of composite products of rubber and rayon and the products obtained thereby. 2,497,454, Feb. 14.

Imperial Chemical Industries Limited, assignee: *See*—
Curd, Francis H. S., Landquist, Raison, and Rose.
Stowell, Flaxney P.
Swallow, John C., Baird, and Ridge.
Zenftman, Henryk.

Ingram, Orville, Washington, D. C. Drop end gondola car. 2,497,221, Feb. v4.

International Engineering Associates, assignee: *See*—
Rutherford, Herbert E.

International Harvester Company, assignee: *See*—
Court, Leslie W.
Daily, Sherwood.
Kallgren, Carl A.
Mott, Carl W.

Inter-Seal Corporation, assignee: *See*—
Greene, Edgeworth.

Iowa State College Research Foundation, assignee: *See*—
Sweeney, Orland R., and Arnold.

Irby, James W., Dayton, Ohio. Autoballistic antenna. 2,497,084, Feb. 14.

Isaac, Miriam, and R. M. Rauner, New York, N. Y. Snap fastener device. 2,497,305, Feb. 14.

Isabelle, Henry J., Sr., assignor of one-half to J. Asher, Fitchburg, Mass. Stand for spools. 2,497,359, Feb. 14.

Ivett, Reginald W., assignor to Hercules Powder Company, Wilmington, Del. Protein preservative. 2,497,610, Feb. 14.

Jacobson, Ilamae W., St. Louis Park, Minn. Garment sleeve cuff. 2,497,262, Feb. 14.

Jacquard Knitting Machine Co., Inc., assignee: *See*—
Miller, Charles F.

Jaffe, Hans, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric apparatus. 2,497,672, Feb. 14.

Jeffers, Clayton H., Phoebus, Va. Artillery trainer. 2,497,085, Feb. 14.

Jeffries, Leroy J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Fastening device. 2,497,550, Feb. 14.

Jensen, Otto M., assignor to Peerless Machine Company, Racine, Wis. Machine for grinding and sharpening saw blades. 2,497,775, Feb. 14.

Jerousek, Frank, Fullerton, Md. Door check. 2,497,611, Feb. 14.

Jessup, Alfred C.: *See*—
Hall, Charles J. P., Fox, Jessup, and Emley.
Ball, Charles J. P., Jessup, Emley, and Fisher.
Emley, Edward F., and Jessup.
Emley, Edward F., Jessup, and Fisher.

Jessup, Alfred C., Clifton Junction Works, Manchester, and J. B. Wilson, Swinton, Manchester, assignors to Magnesium Elektron Limited, London, England. Composition for introducing zirconium and beryllium solubly into magnesium. 2,497,551, Feb. 14.

Jesek, Louis F., Temple, Tex. Automatic switch for starting-motors on automobiles. 2,497,222, Feb. 14.

Johnson Corporation, The, assignee: *See*—
Monroe, Rollo O.

Johnson, Edward L., South Orange, assignor to The Palnut Company, Irvington, N. J. Adjustable inductance device or the like. 2,497,456, Feb. 14.

Johnson, Jerome A., assignor to Arvey Corporation, Chicago, Ill. Article dispensing container. 2,497,455, Feb. 14.

Johnson, Margaret W., administratrix: *See*—
Wilson, Rubye A. J.

Johnston, Arthur C., Minneapolis, Minn. Garment bag magazine dispenser with garment support suspended underneath. 2,497,263, Feb. 14.

Jones, Charles, Fresno, Calif. Rotary reel rake. 2,497,409, Feb. 14.

Jones, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of substituted phenols. 2,497,593, Feb. 14.

Jones, Joshua B., and R. H. White, Youngstown, Ohio, assignors to Carnegie-Illinois Steel Corporation. Electric precipitator tube cleaning method. 2,497,171, Feb. 14.

Josefowitz, David, New York, N. Y., assignor to Publicker Industries Inc., Philadelphia, Pa. Polymerizing butadiene or the like in the presence of tetra-aryl succino dinitrile and products thereof. 2,497,833, Feb. 14.

Joy Manufacturing Company, assignee: *See*—
Ferguson, Alexander D.

Justice, Richard W., Belvedere, Calif. Optical viewing instrument having negative lens and grid scale. 2,497,360, Feb. 14.

K. L. G. Sparking Plugs Limited, assignee: *See*—
Pickett, Walter J., Carington, and Shoobert.

Kallgren, Carl A., Chicago, Ill., assignor to International Harvester Company. Cotton picker spindle. 2,497,776, Feb. 14.

Katzman, Max, Brooklyn, N. Y. Vaporizer. 2,497,612, Feb. 14.

Katzow, Abram, Indianapolis, Ind. Refrigerating system. 2,497,819, Feb. 14.

Kean, Clare H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Mounting elongated magnetostrictive elements. 2,497,172, Feb. 14.

Kearney & Trecker Corporation, assignee: *See*—
Armitage, Joseph B., and Eserkain, and Wetzel.

Kebour, Joseph N., Hartford, Conn. Precision layout gauge for drill guides. 2,497,733, Feb. 14.

Kelley, Dorothy, assignee: *See*—
Blankenship, Alma.

Kellog, Henry B., Binghamton, N. Y. Alkanedione dioximes as antioxidants for preserving organic compositions which tend to deteriorate by the absorption of oxygen from the air. 2,497,061, Feb. 14.

Kelly, Edward P., assignee: *See*—
Sale, William H.

Kennedy, John A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spinning and twisting spindle structure. 2,497,834, Feb. 14.

Kesterton, Henry M., Wroxall, near Warwick, England. Roller type friction clutch. 2,497,361, Feb. 14.

Kettig, William H., Birmingham, Ala. Horseshoe for pitching game. 2,497,410, Feb. 14.

Kieley, Michael F.: *See*—
Abbott, Arthur, R., Kieley, and Simon.

Kielland, John L., Montreal West, Quebec, assignor to The Shawinigan Water & Power Co., Montreal, Quebec, Canada. Cable clamp. 2,497,820, Feb. 14.

Kiene, Dorothy S., assignee: *See*—
Kiene, William J.

Kiene, William J., assignor to Dorothy S. Kiene, Chicago, Ill. Check valve. 2,497,086, Feb. 14.

King-Seeley Corporation, assignee: *See*—
Godley, Charles E.

Kirk, William, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of alpha-beta unsaturated compounds with aromatic hydrocarbons and products obtained. 2,497,673, Feb. 14.

Klein, Mary: *See*—
Seguin, Edmund L., and Klein.

Klosterman, Joseph J., deceased, late of Dayton, Ohio, by Mary Klosterman, executrix, assignor to The National Cash Register Company, Dayton, Ohio. Record material equipment for cash registers. 2,497,264, Feb. 14.

Klosterman, Mary, executrix: *See*—
Klosterman, Joseph J.

Kohler, John H., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 2,497,821, Feb. 14.

Kolchinsky, Ushir, Atlantic City, N. J. Window washer. 2,497,674, Feb. 14.

Kornel, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Indicating device with automatic zero adjustment. 2,497,675, Feb. 14.

Kossow, Herman J., Washington, D. C. Baggage set for automobile trunks. 2,497,173, Feb. 14.

Kreithen, Alexander: *See*—
Beard, Joseph G., and Harralson, and Kreithen.

Kronouer, Johan G., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Loose headstock of a lathe. 2,497,504, Feb. 14.

Krumhansl, James A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Pulse transmission system. 2,497,411, Feb. 14.

Kucera, Rudolph C., Alhambra, Calif. Sound producing device. 2,497,457, Feb. 14.

Kuklich, Richard J., East Orange, N. J. Food freezer. 2,497,734, Feb. 14.

Kurtz, Stewart S., Jr., Merion, assignor to Sun Oil Company, Philadelphia, Pa. Butadiene-styrene copolymer tackified with isoolefin-diolefin-styrene copolymer. 2,497,458, Feb. 14.

Lachowicz, Gene, Detroit, Mich. Trailer hitch guard. 2,497,362, Feb. 14.

Lado, Anthony L., Rome, N. Y., assignor, by mesne assignments, to The Union Fork & Hoe Company, Columbus, Ohio. Mechanism for road graders. 2,497,778, Feb. 14.

Landmeier, Edwin W., Lakeside Park, assignor to The Wadsworth Electric Manufacturing Co., Inc., Covington, Ky. Electric switch. 2,497,306, Feb. 14.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Orifice cleaning means. 2,497,223, Feb. 14.

Landquist, Justus K.: *See*—
Curd, Francis H. S., Landquist, Raison, and Rose.

Lang, Gregor L., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Ignition system. 2,497,307, Feb. 14.

Langman, James D., Portland, assignor to Associated Manufacturers and Distributors Corp., Multnomah County, Oreg. Electric conduit fitting. 2,497,126, Feb. 14.

Lanham, Edward H., assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Four-wire transmission circuit thermistor control. 2,497,779, Feb. 14.

Larin, Marcel T., Sorel, Quebec, Canada. Folding chair. 2,497,412, Feb. 14.

Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,497,308, Feb. 14.

Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of amines. 2,497,310. Feb. 14.

Larson, Alfred T., and A. G. Weber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,497,309, Feb. 14.

Lashells, Ralph W., Findlay, Ohio. Infrared ray equipment. 2,497,676, Feb. 14.

Lathrop, Harold F., Grabill, Ind., assignor to General Electric Company. Refrigerating system including flow control devices. 2,497,677, Feb. 14.

Laure, George R., Kalamazoo, Mich. Plastic roller. 2,497,224, Feb. 14.

Lawson, Shelby D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reducing thermal shock high-temperature valve. 2,497,780, Feb. 14.

Lea Manufacturing Company, The, assignee: *See*—
Weisberg, Louis.

Le Blanc, Osias J., North Oxford, and R. S. Schedin, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing mechanism for looms. 2,497,613, Feb. 14.

Lecarme, Jacques A. M., Aix-en-Provence, assignor to Societe Anonyme dite: Societe Nationale de Constructions Aeronautiques du Sud-Est, Paris, France. Aircraft control. 2,497,127, Feb. 14.

Ledel, Carl, assignor of one-third to P. Rice and one-third to S. Schuster, Los Angeles, Calif. Collapsible furniture leg. 2,497,552, Feb. 14.

Lee, Charles O.: *See*—
Lee, Clarence M., Charles O., and Oscar.

Lee, Clarence M., C. O. Lee and O. Lee, assignors to Lee Hydraulic Machinery, Inc., Waseca, Minn. Tilemaking machine. 2,497,174, Feb. 14.

Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. (5-chloro-2-thenoyl)-o-benzoic acid. 2,497,311, Feb. 14.

Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 2-chlorothiophanthraquinone. 2,497,312, Feb. 14.

Lee Hydraulic Machinery, Inc., assignee: *See*—
Lee, Clarence M., C. O. and O.

Lee, Oscar: *See*—
Lee, Clarence M., C. O., and O.

Leeds and Northrup Company, assignee: *See*—
Perley, George A.

Leef, John H., Minneapolis, Minn. Ironing apparatus. 2,497,127, Feb. 14.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Stabilized lateral motion truck for railway cars. 2,497,460, Feb. 14.

Lefson, Edward F.: *See*—
Campbell, Donald J., and Lefson.

Leighton, John W., Port Huron, Mich. Wheel suspension. 2,497,459, Feb. 14.

Leit, Jules: *See*—
Leit, Maxwell, and Jules.

Leit, Maxwell, and J. Leit, Rockaway, Beach, N. Y. Convertible rocker or wheel borne toy. 2,497,265, Feb. 14.

Lerch, Oliver M., Gifford, Pa. Smoking pipe stem joint. 2,497,225, Feb. 14.

Les Usines de Melle (Societe Anonyme), assignee: *See*—
Guinot, Henri M.

Leslie Co., assignee: *See*—
Soderberg, Sten.

Leslie, John H., II, Winnetka, assignor to Signode Steel Strapping Company, Chicago, Ill. Package binding tool. 2,497,313, Feb. 14.

Levane, Robert, London, England. Hinge. 2,497,266, Feb. 14.

Levelor Corporation, assignee: *See*—
Waterman, Nell S.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Jones, John L.
McMaster, Harold A.
Pearse, John P.

Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Stable vertical. 2,497,614, Feb. 14.

Libson, Philip, Brooklyn, assignor to Helena Rubinstein, Inc., New York, N. Y. Manifold holder for lipsticks or other cosmetic containers. 2,497,314, Feb. 14.

Liebel-Flarsheim Company, The, assignee: *See*—
Gieringer, Carl K., and Billin.

Lima-Hamilton Corporation, assignee: *See*—
Morain, Willard A., and Shirley.

Linden, Arthur D.: *See*—
Hanson, Walter J., and Linden.

Lindley, Frederick A., Flushing, assignor to Radio-Television Institute, Inc., New York, N. Y. Synchronizing circuit. 2,497,413, Feb. 14.

Liston, Max D., Wilton, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Radiation detecting apparatus. 2,497,129, Feb. 14.

Littlejohn, Robert L., Los Angeles, Calif. Recording measuring device. 2,497,087, Feb. 14.

Lockheed Aircraft Corporation, assignee: *See*—
Beman, Ward W.
Detweiler, James I.
Peters, Edgar G.

Loder, Donald J., and W. F. Gresham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxygenated organic polymers. 2,497,315, Feb. 14.

Lodge and Shipley Company, The, assignee: *See*—
Fritzsch, Frank A.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Automatically variable air supply control for oil burners. 2,497,316, Feb. 14.

Logashkin, Theodore A., Yarwun, Queensland, Australia. Forced draft air-cooling system for internal-combustion engines. 2,497,781, Feb. 14.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Connector switch controlled from either calling or called party to transmit different types of signaling. 2,497,782, Feb. 14.

Long, Merton W. Jr., assignor to The Dow Chemical Company, Midland, Mich. Butenol alkanol amines. 2,497,553, Feb. 14.

Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Variable gain voltage amplifier. 2,497,835, Feb. 14.

Lowe, Donald M.: *See*—
Carpenter, Ralph A., and Lowe.

Lubs, Herbert A., Wilmington, Del., W. V. Wirth, Woodstown, L. Spiegler, Woodbury, and J. A. Bridgman, Salem, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulfoaryl-amides of aromatic carboxylic acids. 2,497,130, Feb. 14.

Lubs, Herbert A., Wilmington, Del., W. V. Wirth, Woodstown, J. A. Bridgman, Salem, and L. Spiegler, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulfoaryl-amides of aromatic carboxylic acids. 2,497,131, Feb. 14.

Lukasiewicz, Sigmund J.: *See*—
Hartough, Howard D., and Lukasiewicz.

Lux, Eugene J., New York, N. Y. Suspension hook. 2,497,615, Feb. 14.

Lykken, Henry G. and W. H., Minneapolis, Minn. Vortical classifying machine. 2,497,088, Feb. 14.

Lykken, William H.: *See*—
Lykken, Henry G. and W. H.

Lyons, Frank H.: *See*—
Bruce, Charles A., and Lyons.

MacDonald, Karl, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Oil pump drive for steam turbines. 2,497,616, Feb. 14.

Macintyre, John R., South Peabody, and R. L. Davis, Saugus, Mass., assignors to General Electric Company, Maximum demand meter reset mechanism. 2,497,678, Feb. 14.

Mackay, James E., Street, assignor to C. & J. Clark Limited, Street, Somerset, England. Last for shoes. 2,497,363, Feb. 14.

MacKenzie, Joseph B.: *See*—
Martin, Eugene, and MacKenzie.

Madge, Evelyn W.: *See*—
Illingworth, James W., and Madge.

Magnavox Company, The, assignee: *See*—
Olson, Ray G.

Magnesium Elektron Limited, assignee: *See*—
Ball, Charles J. P., Fox, Jessup and Emley.
Ball, Charles J. P., Jessup, Emley, and Fisher.
Emley, Edward F.
Emley, Edward F., and Jessup.
Emley, Edward F., and Jessup, and Fisher.
Jessup, Alfred C., and Wilson.

Maier, August R., Oil City, and W. J. Redman, Pittsburgh, Pa., assignors to Oil Well Supply Company. Lubricating means for crosshead pins. 2,497,089, Feb. 14.

Malley, Raymond B., Studio City, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Follow-up mechanism. 2,497,617, Feb. 14.

Mantos, John P., Boston, Mass. Shoe construction. 2,497,175, Feb. 14.

Maples, Richard E., Lakeville, Mich. Adjustable bushing for drill jigs. 2,497,679, Feb. 14.

Marienthal, Paul, Detroit, Mich., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Proportional mixing scale. 2,497,618, Feb. 14.

Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Radiation pyrometer. 2,497,783, Feb. 14.

Marschall, Franz: *See*—
Vogt, Curt G., and Marschall.

Martin, Eugene, Wesleyville, and J. B. MacKenzie, Erie, Pa., assignors to The Standard Stoker Company, Incorporated. Lubricator. 2,497,822, Feb. 14.

Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electron tube circuits. 2,497,505, Feb. 14.

Masland, C. H., & Sons, Inc., assignee: *See*—
Smith, Paul S.

Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrogenation catalyst. 2,497,176, Feb. 14.

Mass, Adolph, Maplewood, N. J. Combination lock. 2,497,619, Feb. 14.

Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal unit. 2,497,680, Feb. 14.

Mathieson Chemical Corporation, assignee: *See*—
Nevins, Samuel L., and Gilliam.

Mayberry, John H., Washington, D. C. Music chord indicator and transposing device. 2,497,364, Feb. 14.

Mayer, Harry F., Baldwinsville, N. Y., assignor to General Electric Company. Electronic timing system. 2,497,681, Feb. 14.

Maytag Company, The, assignee: *See*—
Radlove, Sol B.
Smith, Thomas R.

McCaskill, Joseph R., Oakland, Calif. Garden tool. 2,497,506, Feb. 14.

McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for splicing inner tubes of tires. 2,497,461, Feb. 14.

McClintock, John H., Cranford, N. J., and G. D. Priestman, Billings, Mont., assignors to Standard Oil Development Company. Differential gravity skimmer. 2,497,177, Feb. 14.

McCormick, Francis A.: *See*—
McLaughlin, John E., Wilske, and McCormick.

McCracken, Earl F., Turner, Mont. Starter motor control system for internal-combustion engines. 2,497,462, Feb. 14.

McCullough, David S., New York, N. Y. Metalworking machine adapted to act independently or to augment the functions of machine tools. 2,497,735, Feb. 14.

McCurdy, Everett D., trustee, assignee: *See*—
Brennan, Joseph B.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Latching device. 2,497,267, Feb. 14.

McDonald, George W.: *See*—
Scott, Everette C., and McDonald.

McDonald, Ian G.: *See*—
Henry, Philip S. H., McDonald, and Todd.

McFarlane, William D., Ste.-Anne-de-Bellevue, Quebec, assignor to Victor Mills Limited, Toronto, Ontario, Canada. Preparing vitamin E enriched oil. 2,497,317, Feb. 14.

McLaughlin, John E., J. E. Wilske and F. A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company. Partition strip assembling machine. 2,497,318, Feb. 14.

McMaster, Harold A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Electrically conducting multiple panel structure. 2,497,507, Feb. 14.

McMurtry, Welburn T., San Diego, Calif. Change holder. 2,497,365, Feb. 14.

McNamee, Owen A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Adjustable preforming head. 2,497,178, Feb. 14.

McNeill, George K., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Making pneumatic tires. 2,497,226, Feb. 14.

McWane Cast Iron Pipe Company, assignee: *See*—
Floyd, Henry G.

Meagher, Joseph H., Rochester, N. Y. Window provision box. 2,497,463, Feb. 14.

Meeker, Robert E., South Charleston, W. V., and H. J. E. Segrave, Washington, D. C., assignors to United States Rubber Company, New York, N. Y. Incorporation of clay filler into synthetic rubber. 2,497,464, Feb. 14.

Mehan, Thomas O., Park Ridge, and H. E. Hooe, Chicago, Ill., assignors to Victor Adding Machine Co. Calculating machine and remote control mechanism therefor. 2,497,784, Feb. 14.

Meisner, Leo E., Raymond, Ill. Pump. 2,497,179, Feb. 14.

Meissner, Charles, San Diego, Calif. Flatfish filleting machine. 2,497,554, Feb. 14.

Melberg, Ernest, Norway, Iowa. Three-way lock for toy ironing boards. 2,497,620, Feb. 14.

Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Mounting structure and extension tracks for mechanical units. 2,497,785, Feb. 14.

Mendelson, Louis H., Springfield, Ohio. Garment. 2,497,180, Feb. 14.

Merck & Co., Inc., assignee: *See*—
Heyl, Dorothea, Harris, and Folkers.
Hoffman, Dorothea H.
Pfister, Karl.

Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Lehr for glassware. 2,497,621, Feb. 14.

Mertz, Walter H., Lima, Ohio. Railroad ballast tamper and equalizer. 2,497,682, Feb. 14.

Messer, John S., and D. L. Davis, assignors to Economy Fuse and Manufacturing Company, Chicago, Ill. Fuse. 2,497,227, Feb. 14.

Metropolitan Engineering Company, assignee: *See*—
Phelps, George H.

Meystre, Charles: *See*—
Miescher, Karl, and Meystre.

Michell, Anthony G. M., Melbourne, Victoria, Australia. Turbine adjutage. 2,497,508, Feb. 14.

Michigan State Board of Agriculture, assignee: *See*—
Dexter, Stephen T.

Miescher, Karl, Riehen, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Stable, supersaturated aqueous solutions of saccharide derivatives of the suprarenal cortical hormone series and making same. 2,497,509, Feb. 14.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,497,132, Feb. 14.

Mikeska, Peter L., assignor to The Dole Valve Company, Chicago, Ill. Vent valve structure. 2,497,181, Feb. 14.

Milkweed Products Development Corporation, assignee: *See*—
Berkman, Boris.

Miller, Alonzo, Monongahela, Pa. Toy rubber band gun. 2,497,555, Feb. 14.

Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Take-up and folding mechanism. 2,497,786, Feb. 14.

Miller, Glenn H., Ames, Iowa, assignor to Stromberg-Carlson Company. Power supply. 2,497,182, Feb. 14.

Miller, Harold D., San Bruno, and P. D. Williams, Palo Alto, assignors to Eitel-McCullough Inc., San Bruno, Calif. Electrode and making the same. 2,497,090, Feb. 14.

Miller, Leon B., Brooklyn, N. Y. Groove scraping device. 2,497,228, Feb. 14.

Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.

Miller, Roy G., Tacoma, Wash. Body jack. 2,497,836, Feb. 14.

Miller, Virgil B.: *See*—
Davis, Thomas J., and Miller.

Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for feeding plastic ceramic material to molds. 2,497,510, Feb. 14.

Milne, James W.: *See*—
Hansen, Norman A., Milne, and Risser.

Mingaud, Leon, assignee: *See*—
Baron, Flory.

Minster, Henry S., Rosemont, Pa., assignor to Roberts & Mander Corporation. Burner assembly, 2,497,787, Feb. 14.

Mixon, Lawson W.: *See*—
Roberts, Edward N., and Mixon.

Moffitt, Merritt L., Jr.: *See*—
Struble, Albert, and Moffitt.

Moller, Edward B., Falconer, N. Y. Dental forcep. 2,497,229, Feb. 14.

Mollor, Everett W., Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation measuring device for air filters. 2,497,823, Feb. 14.

Monarch Aluminum Mfg. Company, The, assignee: *See*—
Schmid, Gottlieb E.

Monroe, Rollo O., assignor to The Johnson Corporation, Three Rivers, Mich. Swing joint. 2,497,183, Feb. 14.

Monroe, Thomas E., deceased, New York, assignor of one-half to W. R. Donaldson, Northport, N. Y., and one-quarter to W. R. Donaldson, as trustee, W. R. Donaldson, administrator. Stitch and stitching. 2,497,230, Feb. 14.

Monroe, Thomas E., deceased, New York, assignor of one-half to W. R. Donaldson, Northport, N. Y., and one-quarter to W. R. Donaldson, as trustee, W. R. Donaldson, administrator. Sewing machine. 2,497,231, Feb. 14.

Monroe, Thomas E., deceased, New York, assignor of one-half to W. R. Donaldson, Northport, N. Y., and one-quarter to W. R. Donaldson, as trustee, W. R. Donaldson, administrator. Stitching. 2,497,232, Feb. 14.

Monsanto Chemical Company, assignee: *See*—
Blake, Edward S.
Steahly, George W.

Moore, James A.: *See*—
Clay, Reginald S., and Moore.

Moore, James R., Princeton, N. J. Transmitter-receiver connections in radio object-locating systems. 2,497,092, Feb. 14.

Morain, Willard A., and P. S. Shirley, assignors, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Automatic piston stroke compensator for free piston engines. 2,497,091, Feb. 14.

Moreno, Theodore, Garden City, N. Y., assignor to The Sperry Corporation. High-frequency wattmeter. 2,497,093, Feb. 14.

Moreno, Theodore, Garden City, N. Y., assignor to The Sperry Corporation. Microwave apparatus. 2,497,094, Feb. 14.

Morway, Arnold J., Clark, N. J., A. Beerbower, Baltimore, Md., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,497,133, Feb. 14.

Mossberg Pressed Steel Corporation, assignee: *See*—
Olson, Robert V.

Mossman, Donald P., Chicago, Ill. Five position lever switch. 2,497,414, Feb. 14.

Mossman, Donald P., Sr., assignee: *See*—
Peckham, Isidore F.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Automatic release-and-catch coupling device. 2,497,319, Feb. 14.

Mueller Brass Co., assignee: *See*—
Gray, John E., R. A., Jr., and Parker.

Mueller Co., assignee: *See*—
Banner, Francis L.
Grosboll, Lorin E.
Mueller, Robert H.

Mueller, Ervin H., Grosse Pointe, Mich. Lighter structure for gas burners. 2,497,233, Feb. 14.

Mueller, Henry A., assignor to Tal's Prestal Bender, Inc., Milwaukee, Wis. Pipe bending apparatus with pivoted side shapers. 2,497,622, Feb. 14.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,497,788, Feb. 14.

Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Equipment for adjusting packing and the like 2,497,789, Feb. 14.

Muenze, Joseph W., Ridgewood, N. J. Liquid dispensing device. 2,497,134, Feb. 14.

Muller, Walter, Dunellen, N. J. Rotary drum for concrete mixers. 2,497,736, Feb. 14.

Mullin, Robert E., Bremerton, Wash. Aircraft of the rotary wing type. 2,497,465, Feb. 14.

Myers, Herbert B.: *See*—
Gilson, William D., and Myers.

Myles, William J., Summit, and J. H. Prichard, Springfield, N. J., assignors to Celanese Corporation of America. Polymeric sulfurous acid esters. 2,497,135, Feb. 14.

Mylie, Salvatore, Eureka, Calif. Tow bar. 2,497,234, Feb. 14.

Naffin, Alfred: *See*—
Vandergrift, Ercel C., Sr., and Naffin.

Nampa, Sulo M., Detroit, Mich., K. J. Tobin, Chicago, Ill., and H. L. Dunlap, Dearborn, assignors to Evans Products Company, Plymouth, Mich. Freight loading apparatus. 2,497,683, Feb. 14.

Nathan Manufacturing Company, assignee: *See*—
Shaklin, Samuel.

National Cash Register Company, The, assignee: *See*—
Klosterman, Joseph J.

National Research Corporation, assignee: *See*—
Downing, James R. O.

National Tube Company, assignee: *See*—
Findlay, Samuel N., and Hayes.
Webb, Samuel.

Neel, Louis, Grenoble, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Permanent magnets and the obtention of the same. 2,497,268, Feb. 14.

Nelsler, Charles E., Jr., Kings Mountain, N. C. Direct spinning machine and method. 2,497,511, Feb. 14.

Nelson, Henry P., assignor to The Non-Skid Surfacing Corporation, Yonkers, N. Y. Board for flooring and the like. 2,497,837, Feb. 14.

Nelson, Horace A., Mission, Kans. Flush handle door latch. 2,497,624, Feb. 14.

Nevins, Samuel L., Little Rock, Ark., and J. S. Gilliam, Jr., Shreveport, La., assignors, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y. Recovery of elemental sulfur from acidic gases. 2,497,095, Feb. 14.

Newark Stove Company, assignee: *See*—
Chesser, Cecil E., and Cline.

New Jersey Zinc Company, The, assignee: *See*—
Griffith, Frank S.

Newton, John M., and L. D. Ough, assignors to Clinton Industries, Inc., Clinton, Iowa. Starch treatment. 2,497,838, Feb. 14.

Nicole, Amédée, assignor to Hermann Thorens Societe Anonyme, Sainte-Croix, Switzerland. Talking machine needle. 2,497,366, Feb. 14.

Nilsson, Erik: *See*—
Svensson, Yngve, and Nilsson.

Nissley, Joseph: *See*—
Hoover, Clarence F., and Nissley.

Nolen, Hardy, Birmingham, Ala. Flexible coupling. 2,497,623, Feb. 14.

Non-Skid Surfacing Corporation, The, assignee: *See*—
Nelson, Henry P.

Norrefeldt, Ernst E. A., and H. E. E. Holst, Lidingo, assignors to Hyresgästernas Sparkasse-och Byggnadsforeningars Riksförbund u. p. a., Stockholm, Sweden. Clinching of nails when joining pieces of wood or the like. 2,497,737, Feb. 14.

North & Judd Manufacturing Company, The, assignee: *See*—
Frank, Herman M.

Northern Electric Company, Limited, assignee: *See*—
Lanham, Edward H.

Northwestern Steel and Wire Company, assignee: *See*—
Griesemer, Harry E.

Norwick, Henrietta M., Oakland, Calif. Spray gun. 2,497,625, Feb. 14.

Notevarp, Olav, Bergen, assignor to Aktieselskapet Stord, Leryik, Norway. Producing oil and meal from fish offal. 2,497,367, Feb. 14.

Oakley, Howard T.: *See*—
Carlson, Carl S., and Oakley.

Oblinger, Leroy I.: *See*—
Smith, David C., and Oblinger.

O'Brien, Don C., Cœur d'Alene, Idaho. Electric hot-water tank attachment. 2,497,184, Feb. 14.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Protective system for dynamoelectric machines. 2,497,684, Feb. 14.

Oilgear Company, The, assignee: *See*—
Douglas, James K.

Oil Well Supply Company, assignee: *See*—
Maier, August R., and Redman.

O'Leary, Daniel K., Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized milk products. 2,497,320, Feb. 14.

Olesky, Anthony P., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Tuning indicator for radio receivers. 2,497,269, Feb. 14.

Olson, Ray G., Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind. Timer. 2,497,466, Feb. 14.

Olson, Robert V., Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Reel or spool. 2,497,556, Feb. 14.

Olsson, Gustaf E., Varberg, Sweden. Freewheel hub for bicycles. 2,497,368, Feb. 14.

Ough, Lee D.: *See*—
Newton, John M., and Ough.

Owens-Illinois Glass Company, assignee: *See*—
McLaughlin, John E., Wilske, and McCormick.

Pacific Pumps, Inc., assignee: *See*—
Ecker, Murray F.

Padmos, Adriaan A.: *See*—
Gooskens, Henricus, Elenbaas, and Padmos.

Padmos, Adriaan A., and P. Schouwstra, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Electric gas-discharge tube. 2,497,512, Feb. 14.

Paine, George R., and W. C. Platt, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Radio navigation system. 2,497,513, Feb. 14.

Pako Corporation, assignee: *See*—
Armstrong, Robert W., Sardeson, and Savela.

Palmer, James P., Hawthorne, N. Y., assignor to General Precision Laboratory Incorporated. Relay servo. 2,497,514, Feb. 14.

Palmer, John H., Milford, Conn., assignor to General Electric Company. Locking means for clothes-washing machines. 2,497,685, Feb. 14.

Painut Company, The, assignee: *See*—
Johnson, Edward L.

Panosian, James S., assignor to Graflex, Inc., Rochester, N. Y. Photographic film holder light seal. 2,497,270, Feb. 14.

Paper Container Manufacturing Co., assignee: *See*—
Ruza, Frederick.

Paper Patents Company, assignee: *See*—
Auchter, Richard J.

Parker Appliance Company, The, assignee: *See*—
Zarobsky, Charles A.

Parker, Arnold G., Longueuil, Quebec, Canada. Self-locking actuating mechanism. 2,497,415, Feb. 14.

Parker Manufacturing Company, assignee: *See*—
Carlson, Andrew H.

Parker, William M.: *See*—
Gray, John E. and R. A., Jr., and Parker.

Parry, Vernon F., Golden, Colo. Production of vaporizable metals. 2,497,096, Feb. 14.

Patent Management, Incorporated, assignee: *See*—
Swedien, Ellsworth W.

Paterson Pacific Parchment Company, assignee: *See*—
Bennett, Clarence G.

Patterson, John A., Beverly, N. J., assignor to Standard Oil Development Company. Vapor-liquid contacting unit. 2,497,136, Feb. 14.

Pattinson, Darwin G.: *See*—
Pattinson, John R. and D. G.

Pattinson, John R. and D. G., Hutchinson, Kans. Deflector type gas burner. 2,497,321, Feb. 14.

Paul, William W., Carnegie, and E. M. Hommel, assignors to the O. Hommel Company, Pittsburgh, Pa. Method of and apparatus for production of metal powder by end milling of ingots. 2,497,738, Feb. 14.

Pauvrasseau, Robert L. P., Anzin, assignor to Societe Valenciennoise de Gestion (Societe Anonyme), Paris, France. Sink and float process for the separation of coal from its impurities. 2,497,790, Feb. 14.

Pearse, John P., Swanton, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glazing construction. 2,497,515, Feb. 14.

Peckham, Charles, assignor to The Robson Corporation, New York, N. Y. Weighing scoop. 2,497,271, Feb. 14.

Peckham, Isidore F., Chicago, Ill., assignor to D. P. Mossman, Sr. Switch lockout mechanism. 2,497,416, Feb. 14.

Pedersen, Ida, Chicago, Ill. Blanket. 2,497,186, Feb. 14.

Peerless Machine Company, assignee: *See*—
Jensen, Otto M.

Pennsylvania Furnace and Iron Company, assignee: *See*—
De Frees, Joseph H.

People in the territory of the United States, Dedicated to the free use of the: *See*—
Starr, Donald F.

Perkin-Elmer Corporation, The, assignee: *See*—
Liston, Max D.

Perley, George A., Wyncote, assignor to Leeds and Northrup Company, Philadelphia, Pa. pH-responsive glass electrodes. 2,497,235, Feb. 14.

Permanente Metals Corporation, The, assignee: *See*—
Berns, Alva C.

Persall, Roy, Morton, Wash. Surgical splint. 2,497,626, Feb. 14.

Peters, Edgar G., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Quick disconnect coupling for cables. 2,497,467, Feb. 14.

Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.

Petersen, William L., West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Sanding machine. 2,497,791, Feb. 14.

Peterson, Eric O.: *See*—
Harvey, Bernard A., and Peterson.

Peterson, Merlin D.: *See*—
Brubaker, Merlin M., Roland, and Peterson.

Pettibone Mulliken Corporation, assignee: *See*—
Clay, Murray G.

Peyches, Ivan, assignor to Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Method and apparatus for the production of fibers, in particular glass fibers. 2,497,369, Feb. 14.

Pfister, Karl, III, Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Separating isomers of amidone intermediates. 2,497,736, Feb. 14.

Phelps, George H., Floral Park, assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Electrical winding. 2,497,516, Feb. 14.

Philco Corporation, assignee: *See*—
Alter, Albert R.
Bradley, William E.

Phillips Petroleum Company, assignee: *See*—
Clark, Alfred.
Lawson, Shelby D.
Snyder, Harold R., and Stewart.

Phillips, Stephen G., Westbury, N. Y. Starting gate for harness horses. 2,497,370, Feb. 14.

Pickett, Walter J., C. M. Carlington, and G. W. Shoobert, assignors to K. L. G. Sparking Plugs Limited, London, England. Radio aerial for use on vehicles. 2,497,687, Feb. 14.

Pinkham, Newell W.: *See*—
Greenhalgh, John, Pinkham, and Tomer.

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Flash lamp. 2,497,517, Feb. 14.

Pitney-Bowes, Inc., assignee: *See*—
Hanson, Walter J., and Linden.

Plasti-Glo Manufacturing Company, assignee: *See*—
Goldling, James L., Bowman, and Comerford.

Platt, William C.: *See*—
Paine, George R., and Platt.

Pohl, Alois M., and P. H. Herber, assignors to Excelsior Machine Company, Reading, Pa. Beverage serving-bar unit. 2,497,688, Feb. 14.

Poirier, James A., Detroit, and W. Rombach, Highland Park, Mich., said Rombach assignor to said Poirier. Roller mop wringer having carrying handle fixed to pivoted support for rollers. 2,497,468, Feb. 14.

Poister, Clarence E., Sabetha, Kans. Match dispenser. 2,497,371, Feb. 14.

Polaroid Corporation, assignee: *See*—
Greenhalgh, John, Pinkham, and Tomer.

Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Size gauging device. 2,497,236, Feb. 14.

Pollack, Jacob E., Dundalk, Md. Cigarette package ejector and moistener. 2,497,627, Feb. 14.

Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Pull for slide fasteners. 2,497,740, Feb. 14.

Poznik, William, Hawthorne, Calif. Automatic circuit breaking system for automobiles. 2,497,792, Feb. 14.

Pricer, Willie E., Amarillo, Tex. Playground equipment. 2,497,372, Feb. 14.

Prichard, John H.: *See*—
Myles, William J., and Prichard.

Priestman, George D.: *See*—
McClintock, John H., and Priestman.

Publicker Industries Inc., assignee: *See*—
Josefowitz, David.

Quimper, Anthony A., Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carbonator apparatus. 2,497,741, Feb. 14.

Quist, Cornelius, Grand Rapids, assignor to Holland Furnace Company, Holland, Mich. Crushed-fuel stoker having means for equalizing the distribution of fuel upwardly in the retort. 2,497,628, Feb. 14.

Radio Corporation of America, assignee: *See*—
Beard, Joseph G., Harralson, and Kreithen.
Cain, Elmer B.
De Vore, Henry B.
Greenough, Maurice L.
Hart, Stephen V.
Seeley, Stuart W.

Radio-Television Institute, Inc., assignee: *See*—
Lindley, Frederick A.

Radlove, Sol B., assignor to The Maytag Company, Newton, Iowa. Modifying fatty oils. 2,497,689, Feb. 14.

Rainey, Challenor W., Ann Arbor, assignor to Ford Motor Company, Dearborn, Mich. Crest voltmeter. 2,497,272, Feb. 14.

Rains, A. E., assignee: *See*—
Eller, Lee.

Raison, Clifford G.: *See*—
Curd, Francis H. S., Landquist, Raison, and Rose.

Ralston, Anderson W., Chicago, and J. Harwood, Western Springs, assignors to Armour and Company, Chicago, Ill. 1-alkyl-2,5-dimethylpyrrolidines. 2,497,839, Feb. 14.

Rambo, Jennings B.: *See*—
Young, Thomas J., Rambo, and Young.

Ransome Company, assignee: *See*—
Ransome, Tallent H.

Ransome, Tallent H., Berkeley, Calif., assignor, by mesne assignments, to Ransome Company. Method and apparatus for vaporizing and dispensing liquefied gases. 2,497,793, Feb. 14.

Rathbun, Edward, assignor to The Rathbun-Jones Engineering Company, Toledo, Ohio. Mechanism for connecting engine governors and by-pass valves. 2,497,822, Feb. 14.

Rathbun-Jones Engineering Company, The, assignee: *See*—
Rathbun, Edward.

Rauner, Richard M.: *See*—
Isaac, Miriam, and Rauner.

Raytheon Manufacturing Company, assignee: *See*—
Brown, William C.

Reading Hardware Corporation, assignee: *See*—
Shaffer, Elwood F.

Redman, William J.: *See*—
Maier, August R., and Redman.

Reed, Lyman C., New Orleans, La. Air diverter. 2,497,824, Feb. 14.

Reeves, Donald H., Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich. Fluid valve assembly. 2,497,357, Feb. 14.

Reeves, Donald H., Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich. Fluid valve assembly. 2,497,358, Feb. 14.

Reeves, Donald H., and Associates, assignee: *See*—
Reeves, Donald H.

Reeves Hoffman Corporation, assignee: *See*—
Samuelson, Wallace H. E.

Rehwald, Edmund A., assignor to Barber-Colman Company, Rockford, Ill. Electric motor-driven operator. 2,497,794, Feb. 14.

Reid, Lewis B., Atlanta, Ga. Closed receptacle into which a mop may be inserted and shaken. 2,497,795, Feb. 14.

Reineking, William, Melbourne, Fla. Practice type golf club. 2,497,237, Feb. 14.

Reiner, Laszlo, Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Sclerosing composition. 2,497,742, Feb. 14.

Reistle, Carl E., Jr., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drill stem testing device. 2,497,185, Feb. 14.

Reliable Plastics Company, Limited, assignee: *See*—
Collins, Henry M.

Research Corporation, assignee: *See*—
Herber, Pierre, and Richardson.

Rice, Percy F., assignor of one half to W. H. Donahue, Santa Ana, Calif. Multiple exposure camera. 2,497,559, Feb. 14.

Rice, Peter, assignee: *See*—
Ledel, Carl.

Richards, Albert Z., Jr., Salt Lake City, Utah. Rotary fluid motor or pump. 2,497,373, Feb. 14.

Richardson, James C., Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn. Pipe connection. 2,497,273, Feb. 14.

Richardson, James C., Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn. Pipe connector. 2,497,274, Feb. 14.

Richardson, Willis C.: *See*—
Herber, Pierre, and Richardson.

Ridge, Bertram P.: *See*—
Swallow, John C., and Baird, and Ridge.

Rieppel, Perry J., Worthington, Ohio, assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Shielded arc welding. 2,497,629, Feb. 14.

Risser, William C.: *See*—
Hansen, Norman A., Milne and Risser.

Roberts, Edward N., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparing stabilized organic sulfur-containing compounds. 2,497,097, Feb. 14.

Roberts & Mander Corporation, assignee: *See*—
Minster, Henry S.

Roberts, Roland R., Irondequoit, assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Work driving mechanism for lathes. 2,497,690, Feb. 14.

Robertson, Alexander, Philadelphia, Pa. Supporting spindle for yarn packages. 2,497,796, Feb. 14.

Robideau, Joseph, Cumberland, R. I. Stop motion for braiding machines. 2,497,560, Feb. 14.

Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Flexible abrasive articles. 2,497,469, Feb. 14.

Robinson Clay Products Company, The, assignee: *See*—
Gilson, William D., and Myers.

Robson Corporation, The, assignee: *See*—
Peckham, Charles.

Rockford Machine Tool Company, assignee: *See*—
Herrstrum, Rudolph E., and Bjorklund.

Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Societe Anonyme Etablissements Ed. Jaeger, Levallois-Perret, France. Lighter. 2,497,137, Feb. 14.

Roebling's, John A., Sons Company, assignee: *See*—
Green, Richard D.

Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylene. 2,497,323, Feb. 14.

Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,497,743, Feb. 14.

Rogers, Daniel, White Plains, N. Y. Device for securing oars in a rowboat. 2,497,797, Feb. 14.

Rogers, Dilworth T., Summit, N. J., assignor to Standard Oil Development Company. Purifying sulfurized hydrocarbon. 2,497,138, Feb. 14.

Roland, John R.: *See*—
Brubaker, Merlin M., Roland, and Peterson.

Rolls-Royce Limited, assignee: *See*—
Gresham, Harold E., and Hall.

Rombach, William: *See*—
Poirier, James A., and Rombach.

Root, Charles F., assignor to Chandler & Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,798, Feb. 14.

Root, Charles F., assignor to Chandler and Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,799, Feb. 14.

Root, Charles F., assignor to Chandler and Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,800, Feb. 14.

Root, Charles F., assignor to Chandler & Price Company, Cleveland, Ohio. Printing press having curved impression surface. 2,497,801, Feb. 14.

Rose, Francis L.: *See*—
Curd, Francis H. S., Landquist, Raison, and Rose.

Rose, William R., Arlington, Va. Hood for bottled gas containers. 2,497,561, Feb. 14.

Roseen, Ethel M., Minneapolis, Minn. Construction of shirts for men. 2,497,630, Feb. 14.

Rothschild, Gilbert R., Somerville, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Arc welding. 2,497,631, Feb. 14.

Roukos, Fred J., Jr., Columbia, S. C. Multiple element fuse. 2,497,470, Feb. 14.

Rouy, Auguste L. M. A., New York, N. Y. Catalyzing combustion chamber for Diesel engines. 2,497,374, Feb. 14.

Rubinstein, Helena, Inc., assignee: *See*—
Libson, Philip.

Rumbaugh, John R., Los Angeles, Calif. Orifice fitting. 2,497,139, Feb. 14.

Rutherford, Herbert E., Little Falls, assignor to International Engineering Associates, Paterson, N. J. Battery terminal. 2,497,238, Feb. 14.

Ruza, Frederick, assignor, by mesne assignments, to Paper Container Manufacturing Co., Chicago, Ill. Cup-making machine. 2,497,239, Feb. 14.

S & C Electric Company, assignee: *See*—
Chase, Harold M.

Saco-Lowell Shops, assignee: *See*—
Kennedy, John A.

Salcy, Enzo A., Alliston, Mass. Tire tread. 2,497,518, Feb. 14.

Sale, William H., Sanston, Va., assignor of one half to E. P. Kelly, Chicago, Ill. Railway brake beam mounting. 2,497,417, Feb. 14.

Sammy, Louis, Gary, Ind. Bun slicing machine. 2,497,187, Feb. 14.

Samuelson, Wallace H. E., Weehawken, N. J., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Quartz oscillator plate. 2,497,275, Feb. 14.

Sanders, Arthur F., Penzance, England. Fuel injection engine. 2,497,802, Feb. 14.

Sardeson, Robert: *See*—
Armstrong, Robert W., Sardeson, and Savela.

Sargent & Company, assignee: *See*—
Wardwell, George W., Jr.

Sarkes Tarzian, Inc., assignee: *See*—
Valdettaro, Alarico A.

Sauers, E. W., assignee: *See*—
Smith, David C., and Oblinger.

Savela, Edward H.: *See*—
Armstrong, Robert W., Sardeson, and Savela.

Schacht, Robert W., assignee: *See*—
Schacht, William F.

Schacht, William F.; W. J. Schacht, executor of said W. F. Schacht, deceased, assignor to W. F. Schacht II, and R. W. Schacht, Huntington, Ind. Cattle marker. 2,497,632, Feb. 14.

Schacht, William F., II, assignee: *See*—
Schacht, William F.

Schacht, William J., executor: *See*—
Schacht, William F.

Schauert, Paul: *See*—
Hale, Cedric, and Schauert.

Schedin, Robert S.: *See*—
Le Blanc, Oslas J., and Schedin.

Schenkman, Irving, Brooklyn, N. Y. Brassière. 2,497,324, Feb. 14.

Scherba, Emma R., assignee: *See*—
Scherba, Stephen.

Scherba, Stephen, assignor to E. R. Scherba, Milwaukee, Wis. Shoe bag. 2,497,325, Feb. 14.

Schindler, Henry E., Seattle, Wash. Fishhook holder. 2,497,188, Feb. 14.

Schipanski, Emil R., Gardena, Calif. Sterilizer. 2,497,326, Feb. 14.

Schmid, Gottlieb E., Parma Heights, assignor to The Monarch Aluminum Mfg. Company, Cleveland, Ohio. Apparatus for casting molten metal. 2,497,098, Feb. 14.

Schouwstra, Pieter: *See*—
Padmos, Adriaan A., and Schouwstra.

Schroeder, Ewald E., Berwyn, Ill., assignor to General Electric Company. Limiting amplifier system. 2,497,691, Feb. 14.

Schroeder, Russell A., Jr., St. Louis, Mo. Rolling support for writing instruments. 2,497,418, Feb. 14.

Schulfer, Rose, Stevens Point, Wis. Powder compact. 2,497,692, Feb. 14.

Schulman, James H., Cambridge, assignor to Sylvania Electric Products Inc., Salem, Mass. Manufacture of luminescent materials. 2,497,140, Feb. 14.

Schultz, Frederic W., Los Angeles, Calif. Synchronous motor. 2,497,141, Feb. 14.

Schuster, Sam, assignee: *See*—
Ledel, Carl.

Schwartz, Stanley G., Grand Rapids, assignor, by mesne assignments, to Victor Tool & Machine Corporation, Benton Harbor, Mich. Awning. 2,497,419, Feb. 14.

Schweitzer, Edwin J.: *See*—
Coursen, John W., and Schweitzer.

Scientific Development Corp., assignee: *See*—
Sorkin, Morris.

Scott, Edwin D., Plymouth, and T. W. Stephenson, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Window construction. 2,497,276, Feb. 14.

Scott, Everette C., and G. W. McDonald, assignors to Swift & Company, Chicago, Ill. Manufacture of lactalbumin. 2,497,420, Feb. 14.

Seederer-Kohlbusch, Inc., assignee: *See*—
Arguelles, Frederick S.

Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Angle modulation detector. 2,497,840, Feb. 14.

Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Angle modulation detector. 2,497,841, Feb. 14.

Segrave, Harold J. E.: *See*—
Meeker, Robert E., and Segrave.

Seguin, Edmund L., and Mary Klein, Philadelphia, Pa. Means to check operations of steam traps. 2,497,375, Feb. 14.

Shaffer, Elwood F., assignor to Reading Hardware Corporation, Reading, Pa. Front plate mounting for mortise locks. 2,497,189, Feb. 14.

Shakin, Samuel, Newark, N. J., assignor to Nathan Manufacturing Company, New York, N. Y. Tank gauge. 2,497,694, Feb. 14.

Shapiro, Jack, and M. Shapiro, New York, N. Y. Internally applied, expanding gripping tool. 2,497,633, Feb. 14.

Shapiro, Marvin: *See*—
Shapiro, Jack, and M.

Sharp & Dohme, Incorporated, assignee: *See*—
Cope, Arthur C.

Shaw, John O., assignee: *See*—
Briggs, Claude M.

Shawinigan Water & Power Co., The, assignee: *See*—
Kielland, Johan L.

Shay, J. E., Limited, assignee: *See*—
Arnot, Alfred E. R.

Shea, Richard F., Fairfield, Conn., assignor to General Electric Company. Bilateral clipper circuit. 2,497,693, Feb. 14.

Sheffield Corporation, The, assignee: *See*—
Aller, Willis F.
Polk, Louis F.

Shell Development Company, assignee: *See*—
Breukel, Stephanus J. H.
Dawson, Reginald D.
Haury, Vernon E.
Shiras, Russell N.

Shepherd, Judson O'D., Atlanta, Ga. Sound recorder and reproducer. 2,497,142, Feb. 14.

Sheppard, Raymond, Niskayuna, N. Y., assignor to General Electric Company. Emergency shutoff device. 2,497,695, Feb. 14.

Sherer, Brice W., Kismet, Kans. Cart. 2,497,240, Feb. 14.

Sherwin-Williams Company, The, assignee: *See*—
Marienthal, Paul.

Shillman, Nathan H., Baltimore, Md. Tape construction. 2,497,471, Feb. 14.

Shiras, Russell N., Oakland, assignor to Shell Development Company, San Francisco, Calif. Absorption process. 2,497,421, Feb. 14.

Shirley, Paul S.: *See*—
Moraln, Willard A., and Shirley.

Shonnard, John R., assignor to Times Facsimile Corporation, New York, N. Y. Tuning fork. 2,497,143, Feb. 14.

Shoobert, George W.: *See*—
Pickett, Walter J., Carington and Shoobert.

Siegel, Abe, Brooklyn, N. Y. Gasoline fuel reserve tank. 2,497,277, Feb. 14.

Signode Steel Strapping Company, assignee: *See*—
Leslie, John H., II.

Silent-Flame Manufacturing Co., Inc., assignee: *See*—
Walshin, Murray.

Simon, Frederick T.: *See*—
Abbott, Arthur R., Kieley, and Simon.

Sims, Grover A., Beaumont, Tex. Automobile lift. 2,497,472, Feb. 14.

Sinclair Refining Company, assignee: *See*—
Watson, Kenneth M.

Skidmore, Wallace E.: *See*—
Terdina, Frank, and Skidmore.

Slepica, William, Seattle, Wash. Securing clip for fish plugs. 2,497,473, Feb. 14.

Smalley, Albert N., Corning, Ark. Removable slat for Venetian blinds. 2,497,803, Feb. 14.

Smith, Andrew I.: *See*—
Farkas, Adalbert, and Smith.

Smith, Arthur E., Los Angeles, Calif. Disposable syringe. 2,497,562, Feb. 14.

Smith, Arthur E., Los Angeles, Calif. Ampoule syringe. 2,497,563, Feb. 14.

Smith, David C., and L. I. Oblinger, Toledo, assignors of thirty percent to E. W. Sauers and thirty percent to A. E. Glesey, Cleveland, Ohio. Door latch. 2,497,328, Feb. 14.

Smith, David C., and L. I. Oblinger, Toledo, assignors of thirty percent to E. W. Sauers and thirty percent to A. E. Glesey, Cleveland, Ohio. Door latch. 2,497,329, Feb. 14.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants and compositions containing the same. 2,497,099, Feb. 14.

Smith, Joseph R., Los Angeles, Calif. Mechanism for imparting impulses to pendulums. 2,497,327, Feb. 14.

Smith, Merrill H., Athens, Tenn. Doorstop. 2,497,697, Feb. 14.

Smith, Paul S., assignor to C. H. Masland & Sons, Inc., Carlisle, Pa. Apparatus for making cemented pile fabric. 2,497,330, Feb. 14.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Cover for ironer rolls. 2,497,696, Feb. 14.

Snell, Foster D., Inc., assignee: *See*—
Cartwright, Leonard C.

Snow, Walter E., Rockland, Maine. Truck tail gate lift. 2,497,474, Feb. 14.

Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company. Mercapto-alkoxy thio-ethers. 2,497,100, Feb. 14.

Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company. Production of alkoxy thiols. 2,497,422, Feb. 14.

Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Peyches, Ivan.

Societe Anonyme dite: Societe Nationale de Constructions Aeronautiques du Sud-Est, assignee: *See*—
Lecarme, Jacques A. M.

Societe Anonyme Etablissements Ed. Jaeger, assignee: *See*—
Rodanet, Charles H. H.

Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, assignee: *See*—
Neel, Louis.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Fluchaire, Maurice L. A., and Bost.

Societe: Pompes Noel, assignee: *See*—
Cavallier, Jean A.

Societe "Rhodiaceta," assignee: *See*—
Corbiere, Jacques P. C. E.

Societe Valenciennoise de Gestion, (Societe Anonyme), assignee: *See*—
Pauvrasseau, Robert L. P.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Loper, George B.
Hartough, Howard D., and Lukasiewicz.

Soderberg, Sten, Nutley, assignor to Leslie Co., Lyndhurst, N. J. Air pilot. 2,497,475, Feb. 14.

Söderlund, Bengt T., Stockholm, Sweden. Worktable adapted for office work. 2,497,278, Feb. 14.

Sorg, Lloyd F., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency apparatus. 2,497,564, Feb. 14.

Sorkin, Morris, New York, N. Y., assignor to Scientific Development Corp Toy flatiron. 2,497,744, Feb. 14.

Spanier, Joseph A. and N. N., San Francisco, Calif. Apparatus for scrubbing bunks and the like. 2,497,423, Feb. 14.

Spanier, Norman N.: *See*—
Spanier, Joseph A. and N. N.

Sperry Corporation, The, assignee: *See*—
Braddon, Frederick D.
Moreno, Theodore.
Sorg, Lloyd F.

Spiegler, Louis: *See*—
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.

Spigel, Robert, Lynn, Mass. Electric broiler. 2,497,241, Feb. 14.

Springett, Herold: *See*—
Hightower, Corrie, and Springett.

Sprouse, Verner E., Columbus, Ind. Flanged hub. 2,497,242. Feb. 14.

Stackpole Carbon Company, assignee: *See*—
Dressel, Henry M.

Stadler, Albert, assignor to Eclipse Fuel Engineering Co., Rockford, Ill. Flame retaining gaseous fuel burner. 2,497,476, Feb. 14.

Standard Car Truck Company, assignee: *See*—
Leese, Charles P.

Standard Oil Company, assignee: *See*—
Roberts, Edward N., and Mixon.

Standard Oil Development Company, assignee: *See*—
Carlson, Carl S., and Oakley.
Cohen, Charles A.
Fasce, Egi V.
Frolich, Per K.
Kean, Clare H.
Mason, Ralph B.
McClintock, John H., and Priestman.
Mikeska, Louis A.
Morway, Arnold J., Beerbower, and Zimmer.
Patterson, John A.
Reistle, Carl E., Jr.
Rogers, Dilworth T.
Steele, Clellie T., and Epps, Jr.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Martin, Eugene, and MacKenzie.

Stange, Wm. J., Co., assignee: *See*—
Ansel, Harry R.

Stark, Leonard T., Detroit, Mich. Grease mat for hydraulic hoists. 2,497,565, Feb. 14.

Starr, Donald F., College Park, Md., dedicated to the free use of the People in the territory of the United States. Spraying. 2,497,101, Feb. 14.

Steahly, George W., assignor to Monsanto Chemical Company, St. Louis, Mo. Making 2-amino-5-substituted-1,3,4-thiadiazole. 2,497,825, Feb. 14.

Stearns, Dick E., Shreveport, La. Connector for electrodes. 2,497,804, Feb. 14.

Steele, Clellie T., and E. A. Epps, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Isobutylene production. 2,497,191, Feb. 14.

Steele, Dudley M., Glendale, Calif. Sash balance. 2,497,279, Feb. 14.

Steinhoff, John R., Brooklyn, N. Y. Electronic indicator. 2,497,190, Feb. 14.

Stephenson, Thomas W.: *See*—
Scott, Edwin D., and Stephenson.

Stevens, Carl L., Melrose, Mass. Modulating valve. 2,497,635, Feb. 14.

Stevens, Harry P., Oyster Bay, N. Y. Locking key for shafts. 2,497,634, Feb. 14.

Stevenson, Archibald S., Pawtucket, and L. Beer, Providence, assignors to Alrose Chemical Company, Cranston, R. I. Stabilizing rayon type fabric. 2,497,519, Feb. 14.

Stevenson, Robert L., Overland Park, Kans. Cover latch for automobile baggage compartments. 2,497,102, Feb. 14.

Stewart, John M.: *See*—
Snyder, Harold R., and Stewart.

Stewart-Warner Corporation, assignee: *See*—
Campbell, Thomas A.

Stier, Joseph B., New York, N. Y. Egg mold. 2,497,280, Feb. 14.

Stohr, Robert W., assignor to The Carborundum Company, Niagara Falls, N. Y. Metallurgical briquette. 2,497,745, Feb. 14.

Stone, Albert L., Palos Verdes Estates, Calif. Drill bit. 2,497,144, Feb. 14.

Stone, Joseph E., Cleveland Heights, Ohio, assignor to General Electric Company. Mount structure for electric lamps. 2,497,567, Feb. 14.

Stone, Joseph E., Cleveland Heights, and J. O. Geissbuhler, South Euclid, Ohio, assignors to General Electric Company. Mount structure for electric lamps. 2,497,566, Feb. 14.

Stoops, Marion W., Normal, assignor to Eureka Williams Corporation, Bloomington, Ill. Vacuum cleaner attachment tool kit. 2,497,477, Feb. 14.

Stowell, Flaxney P., Buxton, England, assignor to Imperial Chemical Industries Limited. Preparing dust of slaked lime and a halophenoxycarboxylate weed killer. 2,497,636, Feb. 14.

Stromberg-Carlson Company, assignee: *See*—
Goldberg, Harold, and De Mers.
Goldberg, Harold, and Thompson.
Krumhansl, James A.
Miller, Glenn H.

Struble, Albert, Llanerch, Upper Darby, and M. L. Moffitt, Jr., Havertown, Pa. Headrest protector. 2,497,698, Feb. 14.

Sullivan, Cyril S., Erie, Pa. Sales presentation kit. 2,497,826, Feb. 14.

Sun Oil Company, assignee: *See*—
Kurtz, Stewart S., Jr.

Sung, Reginald H. L.: *See*—
Swann, Philip, and Sung.

Sutherland, James R., New Lebanon, N. Y., assignor to General Electric Company. Protective circuit for electrical windings. 2,497,699, Feb. 14.

Svenska Aktiebolaget Bromsregulator, assignee: *See*—
Carlbom, Axel G. H.

Svensson, Yngve, and E. Nilsson, Goteborg, Sweden. Driving mechanism for multiplex cameras. 2,497,478, Feb. 14.

Swallow, John C., and D. K. Baird, Welwyn Garden City, and B. P. Ridge, Potters Bar, England, assignors to Imperial Chemical Industries Limited. Producing films. 2,497,376, Feb. 14.

Swann, Philip, Kildare, Hillbrow, Liss, England, and R. H. L. Sung, Seria, Brunei. Pile. 2,497,377, Feb. 14.

Swedlen, Ellsworth W., assignor to Patent Management, Incorporated, Minneapolis, Minn. Automatic volume control for keyboard operated musical instruments. 2,497,331, Feb. 14.

Sweeney, Orland R., and L. K. Arnold, assignors to Iowa State College Research Foundation, Ames, Iowa. Countercurrent extraction apparatus. 2,497,700, Feb. 14.

Swift & Company, assignee: *See*—
Graham, Clarence H.
Hale, Cedric, and Schauert.
Henney, Grover R.
Scott, Everette C., and McDonald.

Sylvania Electric Products Inc., assignee: *See*—
Schulman, James H.

Talbott, Warren E., Baltimore, Md. Hygrometer. 2,497,378, Feb. 14.

Tallman, William B.: *See*—
Heth, Sherman C., and Tallman.

Talon, Inc., assignee: *See*—
Firing, Osborne, and Dorman.
Poux, Noel J.

Tal's Prestal Bender, Inc., assignee: *See*—
Mueller, Henry A.

Tamburro, Francis P., Ozone Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Presser device for sewing machines. 2,497,746, Feb. 14.

Teetor, Macy O., New Castle, Ind. Magnetic writing pad. 2,497,332, Feb. 14.

Telasky, Clifford H., assignee: *See*—
Telasky, Sam.

Telasky, Sam, assignor of fifty per cent to C. H. Telasky, Bloomville, N. Y. Smoothing plane. 2,497,701, Feb. 14.

Terdina, Frank, and W. E. Skidmore, Seattle, Wash., assignors to Boeing Airplane Company. Lead screw stop means. 2,497,424. Feb. 14.

Terpak, Stephen, Pittsfield, Mass., assignor to General Company. Pressure responsive indicating device. 2,497,702, Feb. 14.

Terry, Augustus P., Berkeley, Calif. Flue damper with latching means. 2,497,425, Feb. 14.

Terry, Daniel H., Plainfield, N. J., and C. W. Croco, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted gamma-2-thenoyl-butyric acid. 2,497,145, Feb. 14.

Texas Company, The, assignee: *See*—
Davies, James A.

Thacker, Ralph S., Windsor Hills, Calif. Electrical contact device. 2,497,568, Feb. 14.

Thayer, Joseph T., Jr., Hatboro, assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Lawn rake. 2,497,192, Feb. 14.

Thompson, Walter C.: *See*—
Goldberg, Harold, and Thompson.

Thorens, Hermann, Societe Anonyme, assignee: *See*—
Nicole, Amédée.

Times Facsimile Corporation, assignee: *See*—
Shonnard, John R.

Tobin, Kenneth J.: *See*—
Nampa, Sulo M., Tobin, and Dunlap.

Todd, Floyd B., Merriam, Kans. Grain drying and treating apparatus of the treated material vibrating type. 2,497,703. Feb. 14.

Todd, John B.: *See*—
Henry, Phillo S. H., McDonald, and Todd.

Todd, Keith H., P. L. Elsinger, and J. C. Vogt, Baltimore, Md. Container having a slidably extensible pouring spout. 2,497,569, Feb. 14.

Toft, Norman P., London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Doctor blade mechanism for use in rotary intaglio printing machines. 2,497,520, Feb. 14.

Toledo Scale Company, assignee: *See*—
Winberg, Travis W., and Ames.

Tomer, Robert B.: *See*—
Greenhalgh, John, Pinkham, and Tomer.

Toth, Barnabas P., assignor to Barnaby Manufacturing and Tool Company, Bridgeport, Conn. Floating chuck adapter. 2,497,426, Feb. 14.

Toth, Emerick, Takoma Park, Md. Noise reducing network. 2,497,103, Feb. 14.

Towse, Roy S., Weiser, Idaho. Come-along for chains. 2,497,805, Feb. 14.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Laminates and polymers of alkenyl esters of arylphosphonic acids. 2,497,637, Feb. 14.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of alkenyl diesters of alkenylphosphonic acids with methyl methacrylate. 2,497,638, Feb. 14.

Trafton, Warren L., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure member. 2,497,827. Feb. 14.

Trautman, Charles E., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Oil compositions containing amine salts of boro-diol complexes. 2,497,521. Feb. 14.

Turner, Harry J., Detroit, Mich. Door guiding means. 2,497,243. Feb. 14.

Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Shuttle position detector mechanism. 2,497,281, Feb. 14.

Ullman, Henry K., Washington, D. C. Striking device. 2,497,244, Feb. 14.

Underwood, Leo, Bigelow, Ark. Two-position mobile power saw. 2,497,639. Feb. 14.

Union Fork & Hoe Company, The, assignee: *See*—
Lado, Anthony L.
Union Oil Company of California, assignee: *See*—
Farkas, Adalbert, and Smith.
Union Switch & Signal Company, The, assignee: *See*—
Hedding, Linnie K.
Martin, Paul N.
Walker, Alec H. B.
United Aircraft Corporation, assignee: *See*—
Coursen, John W., and Schweitzer.
United-Carr Fastener Corporation, assignee: *See*—
Clark, Geoffrey W.
Kohler, John H.
Trafton, Warren L.
United Chromium, Incorporated, assignee: *See*—
Dubpernell, George.
United Kingdom Optical Company, Limited, assignee: *See*—
Clay, Reginald S., and Moore.
United Shoe Machinery Corporation, assignee: *See*—
Finn, Sidney J.
Woodman, Charles K., and Ferland.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Molloy, Everett W.
United States Rubber Company, assignee: *See*—
Green, Alfred J.
McNeill, George K.
Meeker, Robert E., and Segrave.
Wilzbach, Kenneth E.
Vaico Manufacturing Company, assignee: *See*—
Dopyera, Louis.
Valdettaro, Alarico A., assignor, by mesne assignments, to Sarkes Tarzian, Inc., Bloomington, Ind. Combined chassis and multichannel tuner. 2,497,747, Feb. 14.
Vance, Fred E., Sublette, Kans. Safety lock for grain elevator man lifts. 2,497,245, Feb. 14.
Vandergrift, Ercel C., Sr., and A. Naffin, Detroit, Mich. Crane arrangement for wrecking trucks. 2,497,379, Feb. 14.
Vandiver, William R., Tulsa, Okla. Multiple gas burner. 2,497,104, Feb. 14.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Secondary emission amplifying tube circuit. 2,497,640, Feb. 14.
Venner, William M., Clayton, and P. L. Bowser, University City, Mo. Piston. 2,497,380, Feb. 14.
Vermeer, Gary J., Pella, Iowa. Dump vehicle. 2,497,333, Feb. 14.
Victor Adding Machine Co., assignee: *See*—
Mehan, Thomas O., and Hooe.
Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.
Victor Mills Limited, assignee: *See*—
McFarlane, William D.
Victor Tool & Machine Corporation, assignee: *See*—
Schwartz, Stanley G.
Vlach, John J., assignor to General Electric X-Ray Corporation, Chicago, Ill. Rotating vacuum seal. 2,497,479, Feb. 14.
Vogt, Curt G., Union, N. J., and F. Marschall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Dealkylating alkoxy aromatic amines. 2,497,248, Feb. 14.
Vogt, Joseph C.: *See*—
Todd, Keith H., Eisinger, and Vogt.
Von Glahn, William H., Loudenville, assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyes. 2,497,246, Feb. 14.
Von Stoeser, Walter, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Package vending machine. 2,497,748, Feb. 14.
Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Pump and pressure-regulating unit. 2,497,247, Feb. 14.
Voros, Anton, Jr., assignor of one-half to S. J. Voros, Allen Park, Mich. Circuit breaker arrangement for electromagnetically operated reciprocating devices. 2,497,105, Feb. 14.
Voros, Stephen J., assignee: *See*—
Voros, Anton, Jr.
Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Self-contained seal. 2,497,704, Feb. 14.
Vutz, Wilhelm, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Baler. 2,497,641, Feb. 14.
Wade, George H., Sr., Manville, N. J. Combination propagator, incubator, and brooder. 2,497,381, Feb. 14.
Wadsworth Electric Manufacturing Co., Inc., The, assignee: *See*—
Landmeier, Edwin W.
Wagner, Albert F., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Impulse coupling. 2,497,642, Feb. 14.
Wagner, Julia, Hazleton, Pa. Hand and finger shield. 2,497,749, Feb. 14.
Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for operating devices having a negative resistance characteristic from an alternating electric current supply circuit. 2,497,522, Feb. 14.
Wallace & Tiernan Products, Inc., assignee: *See*—
Reiner, Laszlo.
Waller, Richard J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Heating device and combustion process. 2,497,282, Feb. 14.
Walshin, Murray, assignor to Silent-Flame Manufacturing Co., Inc., New York, N. Y. Air directing means for gun type oil burners. 2,497,480, Feb. 14.
Walz, William, assignee: *See*—
Guercio, Joseph.
Wampler, Herman B.: *See*—
Yost, Walter R., and Wampler.
War, United States of America as represented by the Secretary of, assignee: *See*—
Coleman, Joseph E.
Wardwell, George W., Jr., Trumbull, assignor to Sargent & Company, New Haven, Conn. Lock. 2,497,750, Feb. 14.
Warkentin, Herman S., Fort Worth, Tex. Electrical cable disconnect. 2,497,523, Feb. 14.
Warren, William T., Brightlingsea, England. Electric sealing iron. 2,497,146, Feb. 14.
Washam, Joseph, assignor to De Vry Corporation, Chicago, Ill. Lens barrel. 2,497,147, Feb. 14.
Waterman, Neil S., Scarsdale, N. Y., assignor, by mesne assignments, to Levelor Corporation. Coin purse. 2,497,643, Feb. 14.
Watkins, Samuel S., Miami, Fla. Circumferentially traveling type tire-changing apparatus. 2,497,644, Feb. 14.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for pyrolytic conversion of hydrocarbons. 2,497,106, Feb. 14.
Watts, Donald E.: *See*—
Hanson, Earl C., and Watts.
Waukesha Motor Company, assignee: *See*—
Melcher, Lee W.
Webb, Samuel, Pittsburgh, Pa., assignor to National Tube Company. Hydraulic testing machine. 2,497,193, Feb. 14.
Weber, Arthur G.: *See*—
Larson, Alfred T., and Weber.
Weber, Bonnie M., San Leandro, Calif. Replaceable shoulder pad for garments. 2,497,382, Feb. 14.
Weber, Karl H., Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa. Polymerizing conjugated dienes in the presence of selected alkyl esters of mercaptyl undecanoic acids as polymerization regulators. 2,497,107, Feb. 14.
Weber, Tobias, Los Angeles, Calif. Wheel gauge. 2,497,481, Feb. 14.
Wegman, Evert S.: *See*—
Earley, Robert W., and Wegman.
Weinmayr, Viktor: *See*—
Lee, Henry R., and Weinmayr.
Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of thiophanthruquinone. 2,497,334, Feb. 14.
Weisberg, Louis, Stamford, assignor to The Lea Manufacturing Company, Waterbury, Conn. Electrodeposition of cadmium. 2,497,806, Feb. 14.
Weiss, David C., Williamsburg, Va. Night landing visual localizer and glide path indicator. 2,497,427, Feb. 14.
Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymerization product of n-vinyl lactams and polymerizable esters, and making same. 2,497,705, Feb. 14.
Western Electric Company, Incorporated, assignee: *See*—
Bonnett, Gerson.
Westinghouse Electric Corporation, assignee: *See*—
Earley, Robert W., and Wegman.
Quimper, Anthony A.
Weston, David C., Descanso, Calif. Pen. 2,497,249, Feb. 14.
Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Electric cable and cable joint. 2,497,706, Feb. 14.
Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Making high-frequency cable joints. 2,497,707, Feb. 14.
Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Making high-frequency cable joints. 2,497,708, Feb. 14.
Wettlaufer, William L., Buffalo, N. Y. Vibratory therapeutic chair. 2,497,751, Feb. 14.
Wetzel, Theodore A.: *See*—
Armitage, Joseph B., Eserkaln, and Wetzel.
Wharam, John J., Dearborn, and J. J. Felts, Pontiac, assignors to Ford Motor Company, Dearborn, Mich. Control pedal for motor vehicles. 2,497,283, Feb. 14.
Whitaker, Roger B., Miami Springs, Fla. Visual runway locator system. 2,497,383, Feb. 14.
White, John T., Palmyra, Mo. Baby's plate holder. 2,497,194, Feb. 14.
White, Richard H.: *See*—
Jones, Joshua B., and White.
Whitman, Hyman L., East Bridgewater, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear and supporting member. 2,497,250, Feb. 14.
Wiggins, John H., Chicago, Ill. Floating tank roof drain. 2,497,645, Feb. 14.
Wiksrom, Adolph B., assignor of one-half to M. Egilson, Los Angeles, Calif. Pen point cleaner. 2,497,709, Feb. 14.

Wiley, Verlis H., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Automatic tuning apparatus. 2,497,524, Feb. 14.
Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Tamburro, Francis P.
Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electromechanical transducer. 2,497,108, Feb. 14.
Williams, Paul D.: *See*—
Miller, Harold D., and Williams.
Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electrode for electron tubes. 2,497,109, Feb. 14.
Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Making electrodes. 2,497,110, Feb. 14.
Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube having carburized thoriated cathode. 2,497,111, Feb. 14.
Wilske, Julius E.: *See*—
McLaughlin, John E., Wilske, and McCormick.
Wilson, Joseph B.: *See*—
Jessup, Alfred C., and Wilson.
Wilson, Rubye A. J., New Orleans, La., M. W. Johnson, administratrix of said R. A. J. Wilson, deceased. Edge tool. 2,497,482, Feb. 14.
Wilzbach, Kenneth E., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. 1-acetyl-2-methyl-2-chloromethylcyclopropane. 2,497,483, Feb. 14.
Winberg, Travis W., and R. A. Ames, Beaumont, Tex., assignors to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,497,646, Feb. 14.
Wirth, Walter V.: *See*—
Lubs, Herbert A., Wirth, Spiegler, and Bridgman.
Wissner, Benjamin F., New York, N. Y. Citrus fruit squeezer with rotating and reciprocating cup. 2,497,335, Feb. 14.
Wolf, Howard O., Grand Junction, Colo. Insulator. 2,497,251, Feb. 14.
Wollensack, Clifford N., New Haven, Conn., assignor to American Telephone and Telegraph Company. Gaff guard for linemen's climbers. 2,497,710, Feb. 14.
Wood, Frank A., Elmhurst, Ill., assignor to Zenith Radio Corporation. Electrical terminal. 2,497,484, Feb. 14.
Wood, Thomas A., Roxbury, Mass. Trolling spinner. 2,497,807, Feb. 14.
Woodman, Charles K., and N. S. Ferland, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for pressing soles on shoe bottoms. 2,497,195, Feb. 14.
Woods, Herbert J., assignor to Burlington Mills Corporation, Greensboro, N. C. Folding device for attachment to drawing frames. 2,497,647, Feb. 14.
Woodward, Leroy A., Dickinson, N. Dak. Micrometer head space gauge. 2,497,196, Feb. 14.
Worthington, Emory W., assignor to Goss Printing Press Company, Chicago, Ill. Ink delivery regulating device for printing press ink fountains. 2,497,648, Feb. 14.
Worthington Pump and Machinery Corporation, assignee: *See*—
MacDonald, Karl.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Von Stoeser, Walter.
Yost, Walter R., and H. B. Wampler, Washington, D. C. Multiple safety lock. 2,497,485, Feb. 14.
Young, Don H., West Hempstead, assignor to Dictograph Products Company, Inc., New York, N. Y. Casing for unitary hearing aids. 2,497,336, Feb. 14.
Young, Harold N.: *See*—
Young, Thomas J., Rambo, and Young.
Young, James F., and C. S. Dayton, Bridgeport, Conn., assignors to General Electric Company. Gear and clutch mechanism for spinner type clothes washing machines. 2,497,686, Feb. 14.
Young, James H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Controlling polymerization reactions. 2,497,828, Feb. 14.
Young, Jonas L., Catasauqua, Pa. Removable utensil handle. 2,497,384, Feb. 14.
Young, Thomas J., J. B. Rambo, and H. N. Young, Meridian, Idaho. Hinged sweep or basket for tractor attachments. 2,497,385, Feb. 14.
Yundt, Michael Company, assignee: *See*—
Hallead, Mervil.
Zaayer, David, and E. G. Dorgelo, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency discharge tube apparatus. 2,497,809, Feb. 14.
Zacks, Florence B., assignor to R. G. Barry Corporation, Columbus, Ohio. Shoulder pad. 2,497,808, Feb. 14.
Zarobsky, Charles A., assignor to The Parker Appliance Company, Cleveland, Ohio. Barstock marking machine. 2,497,386, Feb. 14.
Zenftman, Henryk, Saltcoats, Scotland, assignor to Imperial Chemical Industries, Limited. Manufacture of fuse powder and fuses. 2,497,387, Feb. 14.
Zenith Radio Corporation, assignee: *See*—
Wood, Frank A.
Zimmer, Albert E., and W. F. Batho, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Fulcrum for car door locking means. 2,497,284, Feb. 14.
Zimmer, John C.: *See*—
Morway, Arnold J., Beerbower and Zimmer.
Zuba, Michael F., Avoca, Pa. Bottle seal cutter. 2,497,388, Feb. 14.
Zyta, Leon H., Cleveland Heights, Ohio, assignor to General Electric Company. Starter switch seasoning and testing apparatus. 2,497,525, Feb. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Seat slide structure. H. E. Nofz. Re. 23,197, Feb. 14.

LIST OF PLANT INVENTIONS

Peach tree. L. W. Sherwood. 924. Feb. 14.

Rose plant. T. J. Morris. 922–3, Feb. 14.

LIST OF DESIGN INVENTIONS

Ash tray. A. W. Jefferis, Jr. 157,261, Feb. 14.
Atomiser or similar article, Perfume. W. A. Cotter. 157,238, Feb. 14.
Attachment for handbags, Glove holding. G. and I. Bloom. 157,233, Feb. 14.
Awning, Rigid sheet metal. J. W. Snider and S. G. Domsater. 157,295, Feb. 14.
Billfold. H. B. Potter. 157,289–90, Feb. 14.
Box, Utility. A. Wiesen. 157,311, Feb. 14.
Bracelet or similar article. A. Philippe. 157,283–4, Feb. 14.
Bracelet or similar article. A. Philippe. 157,287, Feb. 14.
Brush holder and paste dispenser, Combination. C. W. Ward. 157,307, Feb. 14.
Buckle, Belt. J. S. Justin, Jr. 157,263, Feb. 14.
Cabinet, Dictating machine. A. C. De Napoli, Jr., and R. Spilman. 157,242, Feb. 14.
Cabinet, Display. J. Evans. 157,247, Feb. 14.
Cabinet for a microfilm recorder or the like. T. R. Perzentka. 157,281, Feb. 14.
Cabinet or the like, Dishwasher. E. H. Daniels. 157,240, Feb. 14.
Canopy or similar article, Kitchen range ventilating. J. H. Sonntag. 157,296, Feb. 14.
Cap, Container. A. H. Jung. 157,262, Feb. 14.
Carton, Display. G. P. Hull and G. S. Shield. 157,260, Feb. 14.
Case for self-service gasoline pumps, Meter. E. J. O'Toole. 157,279, Feb. 14.
Chain for a bracelet or similar article, Link. M. Chernow. 157,237, Feb. 14.
Chain for a bracelet or similar article, Link. J. Schulz. 157,293, Feb. 14.
Chain for a necklace or similar article. F. A. Dieterich. 157,243–4, Feb. 14.
Chair. J. F. Laskowitz. 157,269, Feb. 14.
Charm or the like article, Spinning. S. Zweig. 157,313–14, Feb. 14.
Chiffonier. H. A. Thede. 157,302, Feb. 14.
Control unit for washing machines. J. Morgan. 157,277, Feb. 14.
Covering or similar article, Shelf. J. E. Adair. 157,228–30, Feb. 14.
Desk with drawers. H. A. Thede. 157,303, Feb. 14.
Display device, Animated. A. B. Leech. 157,270, Feb. 14.
Dress ensemble. M. Abrams. 157,227, Feb. 14.
Dress ensemble. B. Geffen. 157,250–1, Feb. 14.
Envelope, Airmail. J. A. Pichardo. 157,288, Feb. 14.
Extractor, Fruit juice. H. J. Talge and A. M. Travis. 157,301, Feb. 14.
Fabric. P. Wayne. 157,308, Feb. 14.
Fabric, Textile. S. Weinberg. 157,309, Feb. 14.
Fastener, Strap. F. W. Andrews. 157,231, Feb. 14.
Favor holder and place card, Combined. L. J. Pyle and M. H. Schell. 157,291, Feb. 14.
Figurine, Article holding. B. M. Brown. 157,235, Feb. 14.
Fishhook disgorger. L. E. Hamel. 157,255–7, Feb. 14.
Fixture, Bracket lighting. M. B. Briggs. 157,234, Feb. 14.
Flatiron, Steam-electric. E. F. Thomson. 157,305, Feb. 14.
Hairbrush. K. C. Fay. 157,248, Feb. 14.
Hair curler. T. B. Sparks. 157,297, Feb. 14.
Handbag, shopping bag, and memoranda holder, Combined. J. Kiernan. 157,266, Feb. 14.
Handle, Faucet. S. A. Young. 157,312, Feb. 14.
Hanger, Coat and pants. H. W. Lormor. 157,273, Feb. 14.
Hinge, Toilet seat. R. H. Lillyblad and J. A. Broersma. 157,272, Feb. 14.
Inkwell unit, Desk. H. C. Klagges and H. E. Steinberg. 157,267, Feb. 14.
Jacket. S. Etkin. 157,246, Feb. 14.
Ladle and strainer, Combination. J. K. Mohr. 157,276, Feb. 14.
Lavatory, Shelf. P. Muller-Munk. 157,278, Feb. 14.
Leaf, Hinge. R. E. Siopa. 157,294, Feb. 14.
Massager and support, Combined electrically vibrated. E. M. Vogt. 157,306, Feb. 14.
Mirror and lamp, Combined. A. Brozyna. 157,236, Feb. 14.
Muzzle or similar article, Dog. H. Goldberg. 157,252, Feb. 14.
Necklace or similar article. A. Katz. 157,264, Feb. 14.
Necklace or similar article. A. Philippe. 157,282, Feb. 14.
Necklace or similar article. A. Philippe. 157,285–6, Feb. 14.
Polisher, Floor. P. W. Lahr. 157,268, Feb. 14.
Rack, Gun. A. Del Pozo. 157,241, Feb. 14.
Rack, Pencil. C. E. Crawford. 157,239, Feb. 14.
Saw, Carcass splitting. E. C. Steiner. 157,298, Feb. 14.
Scarf. E. M. Lewis. 157,271, Feb. 14.
Seat, Therapeutic exercising. W. L. Wettlaufer. 157,310, Feb. 14.
Slipper or similar article, Child's. H. E. Rosen. 157,292, Feb. 14.
Snuffer and lighter, Combined candle. W. G. Egle. 157,245, Feb. 14.
Spoon, Child's. G. K. Geerlings. 157,249, Feb. 14.
Spoon or similar article of flatware. M. Bernstein. 157,232, Feb. 14.
Spoon or similar article of flatware. A. R. Macomber. 157,274, Feb. 14.
Sprinkler, Lawn. H. S. Ingham and C. K. Wilson. 157,315, Feb. 14.
Stocking. G. C. Tait. 157,299–300, Feb. 14.
Stopper, Bottle. P. R. Gruber. 157,253–4, Feb. 14.
Suede brush and container therefor, Combination. I. Hertzberg. 157,258, Feb. 14.
Support for use in applying nail polish, Combined hand and foot. W. W. Pearce. 157,280, Feb. 14.
Tray, Nursery utility. D. Honig. 157,259, Feb. 14.
Vanity case and lipstick holder, Combined. S. Kaufman. 157,265, Feb. 14.
Vanity dresser. H. A. Thede. 157,304, Feb. 14.
Water and air dispensing column, Service station. E. E. Martin. 157,275, Feb. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Flexible. N. P. Robie. 2,497,469, Feb. 14.
Absorption process. R. N. Shiras. 2,497,421, Feb. 14.
Accumulator. J. K. Douglas. 2,497,491, Feb. 14.
Actuating mechanism, Self-locking. A. G. Parker. 2,497,415, Feb. 14.
Addition agents for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,497,099, Feb. 14.
Adjustable mirror or picture holder. U. J. Chambers. 2,497,760, Feb. 14.
Adjustable photographer's posing chair. C. M. Briggs. 2,497,580, Feb. 14.
Adjuster for brakes, Automatic slack. A. G. H. Carlbom. 2,497,343, Feb. 14.
Aerial for use on vehicles, Radio. W. J. Pickett, C. M. Carington, and G. W. Shoobert. 2,497,687, Feb. 14.
Air-cooling system for internal-combustion engines, Forced draft. T. A. Logashkin. 2,497,781, Feb. 14.
Aircraft control. J. A. M. Lecarme. 2,497,127, Feb. 14.
Aircraft of the rotary wing type. R. E. Mullin. 2,497,465, Feb. 14.
Air directing means for gun type oil burners. M. Walshin. 2,497,480. Feb. 14.
Air diverter. L. C. Reed. 2,497,824, Feb. 14.
Air pilot. S. Soderberg. 2,497,475, Feb. 14.
Airplane passenger carrier. N. Cosakis. 2,497,153, Feb. 14.
Air supply control for oil burners, Automatically variable. J. A. Logan. 2,497,316, Feb. 14.
Alcohols, Production of alicyclic. A. Farkas and A. I. Smith. 2,497,349, Feb. 14.
Alkali metal phytates, The production of. N. E. Artz. 2,497,062–3. Feb. 14.
Alkanedione dioximes as antioxidants for preserving organic compositions which tend to deteriorate by the absorption of oxygen from the air. H. B. Kellog. 2,497,061. Feb. 14.
Alkoxy thiols, Production of. H. R. Snyder and J. M. Stewart. 2,497,422, Feb. 14.
Alkylaminoalkyl benzoates. A. C. Cope. 2,497,394, Feb. 14.
Alkyl esters of glycol polycarboxylic acid esters. E. S. Blake. 2,497,433. Feb. 14.
Alloy for introducing zirconium into magnesium, Master. C. J. P. Ball, F. A. Fox, A. C. Jessup, and E. F. Emley. 2,497,530. Feb. 14.
Alloying composition for introducing zirconium into magnesium. C. J. P. Ball, A. C. Jessup, E. F. Emley, and P. A. Fisher. 2,497,531. Feb. 14.
Amino alcohols, Preparation of. V. E. Haury. 2,497,548, Feb. 14.
Amplifier system, Limiting. E. E. Schroeder. 2,497,691, Feb. 14.
Amplifier, Variable gain voltage. G. B. Loper. 2,497,835, Feb. 14.
Antenna, Autoballistic. J. W. Irby. 2,497,084. Feb. 14.
Antenna, Stabilized tower supported. F. D. Braddon. 2,497,065, Feb. 14.
Antirusting composition. E. S. Blake. 2,497,432, Feb. 14.
Apparatus comprising a revolving head for tuning devices. A. Horowitz. 2,497,773. Feb. 14.
Apparatus for casting molten metal. G. E. Schmid. 2,497,098, Feb. 14.
Apparatus for determining eccentricity in tubular sections. H. G. Floyd. 2,497,595, Feb. 14.
Apparatus for feeding plastic ceramic material to molds. W. J. Miller. 2,497,510, Feb. 14.
Apparatus for fine measurements such as comparators and extensometers. R. S. Clay and J. A. Moore. 2,497,345. Feb. 14.
Apparatus for forming potato digger links. L. W. Court. 2,497,297. Feb. 14.
Apparatus for handling sheets during inspection. A. J. Berdis and L. S. Dahl. 2,497,149, Feb. 14.
Apparatus for lifting cylindrical objects. J. J. Ferrario and J. Dondero. 2,497,118, Feb. 14.
Apparatus for making cemented pile fabric. P. S. Smith. 2,497,330. Feb. 14.
Apparatus for molding insulation about a cable splice. G. Bonnett. 2,497,757, Feb. 14.
Apparatus for operating devices having a negative resistance characteristic from an alternating electric current supply circuit. A. H. B. Walker. 2,497,522, Feb. 14.
Apparatus for pressing soles on shoe bottoms. C. K. Woodman and N. S. Ferland. 2,497,195, Feb. 14.
Apparatus for pyrolytic conversion of hydrocarbons. K. M. Watson. 2,497,106, Feb. 14.
Apparatus for ramming flasks. M. G. Clay. 2,497,585, Feb. 14.
Apparatus for scrubbing bunks and the like. J. A. and N. N. Spanier. 2,497,423, Feb. 14.
Apparatus for splicing inner tubes of tires. C. S. McChesney. 2,497,461, Feb. 14.
Arc welding. G. R. Rothschild. 2,497,631, Feb. 14.
Arc welding, Shielded. P. J. Rieppel. 2,497,629, Feb. 14.
Article dispensing container. J. A. Johnson. 2,497,455, Feb. 14.
Article of footwear and supporting member. H. L. Whitman. 2,497,250, Feb. 14.
Artificial arm. H. T. Edwards. 2,497,493, Feb. 14.
Artillery trainer. C. H. Jeffers. 2,497,085, Feb. 14.
Assembling machine, Partition strip. J. E. McLaughlin, J. E. Wilske, and F. A. McCormick. 2,497,318, Feb. 14.
Attachment for air brake systems. R. K. Biery. 2,497,576, Feb. 14.
Attachment for bulldozer moldboards, Quick removable rooter. D. Fletcher. 2,497,351, Feb. 14.
Awning. S. G. Schwartz. 2,497,419, Feb. 14.
Azo dyes. W. H. von Glahn. 2,497,246. Feb. 14.
Baby walker. J. A. Conti. 2,497,393, Feb. 14.
Baby's plate holder. J. T. White. 2,497,194, Feb. 14.
Bag: *See*—
  Shoe bag.
  Sleeping bag.
Baggage set for automobile trunks. H. J. Kossow. 2,497,173, Feb. 14.
Bailer. W. Vutz. 2,497,641, Feb. 14.
Bar: *See*—
  Tow bar.
Barrel, Lens. J. Washam. 2,497,147, Feb. 14.
Battery terminal. H. E. Rutherford. 2,497,238, Feb. 14.
Bearing: *See*—
  Sink dishwasher bearing.
Bender and straightener, Pipe. C. Hightower and H. Springett. 2,497,500. Feb. 14.
Bicycle construction. F. P. Fletcher. 2,497,121, Feb. 14.
Bilateral clipper circuit. R. F. Shea. 2,497,693, Feb. 14.
Bin equipment, Soya bean storage. C. H. Graham. 2,497,406, Feb. 14.
Bit: *See*—
  Drill bit.
Blanket. I. Pedersen. 2,497,186, Feb. 14.
Board: *See*—
  Interlocking game board.
  Pin board.
Board for flooring and the like. H. P. Nelson. 2,497,837, Feb. 14.
Body jack. R. G. Miller. 2,497,836, Feb. 14.
Bottle seal cutter. M. F. Zuba. 2,497,388, Feb. 14.
Box: *See*—
  Window provision box.
Box construction, Knockdown. A. G. Hazen. 2,497,453, Feb. 14.
Bracket for curtains and draperies. J. L. Golding, I. C. Bowman, and W. H. Comerford. 2,497,446, Feb. 14.
Brake: *See*—
  Fluid operated disk brake.
Brassière. I. Schenkman. 2,497,324, Feb. 14.
Briquette, Metallurgical. R. W. Stohr. 2,497,745, Feb. 14.
Broiler, Electric. R. Spigel. 2,497,241, Feb. 14.
Bulb, Resistor. G. D. Cerf. 2,497,439, Feb. 14.
Burner: *See*—
  Deflector type gas burner.
  Multiple gas burner.
  Flame retaining gaseous fuel burner.
Burner assembly. H. S. Minster. 2,497,787, Feb. 14.
Bushing for drill jigs, Adjustable. R. E. Maples. 2,497,679. Feb. 14.
Butadiene-styrene copolymer tackified with isoolefin-diolefin-styrene copolymer. S. S. Kurtz, Jr. 2,497,458, Feb. 14.
Butenol alkanol amines. M. W. Long, Jr. 2,497,553, Feb. 14.
Butter package. C. G. Bennett. 2,497,203. Feb. 14.
Cable and cable joint, Electric. L. Wetherill. 2,497,706, Feb. 14.
Cable clamp. J. L. Kielland. 2,497,820, Feb. 14.
Cable disconnect, Electrical. H. S. Warkentin. 2,497,523, Feb. 14.
Cable joints, Making high-frequency. L. Wetherill. 2,497,707–08, Feb. 14.
Calculating machine and remote control mechanism therefor. T. O. Mehan and H. E. Hooe. 2,497,784, Feb. 14.
Cam for shovels. W. Hirst. 2,497,771, Feb. 14.
Camera for making successive exposures on a film transverse to the length thereof. K. P. Huntzinger. 2,497,358. Feb. 14.
Camera, Multiple exposure. P. F. Rice. 2,497,559, Feb. 14.
Candling machine, Egg. E. Bramson. 2,497,655, Feb. 14.

Canopy, Oxygen tent. G. R. Fairlamb. 2,497,832, Feb. 14.
Cap for nonrigid disposable nursing bottles. A. M. Allen. 2,497,197, Feb. 14.
Capsules, Manufacturing. A. M. Donofrio. 2,497,212, Feb. 14.
Car: *See*—
Drop end gondola car.
Carbohydrate preservative. E. A. Bried. 2,497,579, Feb. 14.
Carbonator apparatus. A. A. Quimper. 2,497,741, Feb. 14.
Carboxylic acid anhydrides, Preparation of. W. F. Gresham and R. E. Brooks. 2,497,304, Feb. 14.
Card and envelope assembly, Greeting. W. C. Baynes. 2,497,064, Feb. 14.
Carrier: *See*—
Airplane passenger carrier. Emergency plane carrier.
Carrier for gas containers. W. C. Gatewood. 2,497,597, Feb. 14.
Cart. B. W. Sherer. 2,497,240, Feb. 14.
Casing for unitary hearing aids. D. H. Young. 2,497,336, Feb. 14.
Casting metals. R. E. Day. 2,497,210, Feb. 14.
Catalyst, Hydrogenation. R. B. Mason. 2,497,176, Feb. 14.
Cathend construction, Safety-type. S. T. Humberson. 2,497,220, Feb. 14.
Cell, Fuel. P. K. Frolich. 2,497,123, Feb. 14.
Centrifugal clutch. M. Gravina. 2,497,544, Feb. 14.
Cerium acetate containing composition. C. E. Griffin. 2,497,546, Feb. 14.
Chair: *See*—
Adjustable photographer's posing chair.
Reclining chair.
Vibratory therapeutic chair.
Folding chair.
Change holder. W. T. McMurtry. 2,497,365, Feb. 14.
Chassis and multichannel tuner, Combined. A. A. Valdettaro. 2,497,747, Feb. 14.
Check for looms, Shuttle. A. R. Abbott, M. F. Kieley, and F. T. Simon. 2,497,711, Feb. 14.
Check valve. W. J. Kiene. 2,497,086, Feb. 14.
Chuck adapter, Floating. B. F. Toth. 2,497,426, Feb. 14.
Circuit: *See*—
Bilateral clipper circuit.
Frequency responsive control circuit.
Secondary emission amplifying tube circuit.
Synchronizing circuit.
Circuit arrangement for power tubes, Parallel. H. Goldberg and E. F. De Mers. 2,497,166, Feb. 14.
Circuit breaker arrangement for electromagnetically operated reciprocating devices. A. Voros, Jr. 2,497,105, Feb. 14.
Circuit breaking system for automobiles, Automatic. W. Poznik. 2,497,792, Feb. 14.
Circuit for electrical windings, Protective. J. R. Sutherland. 2,497,699, Feb. 14.
Circuit for image displaying systems, Coincidence. H. Goldberg and W. C. Thompson. 2,497,165, Feb. 14.
Circuit thermistor control, Four-wire transmission. E. H. Lanham. 2,497,779, Feb. 14.
Circuits, Electron tube. P. N. Martin. 2,497,505, Feb. 14.
Circuits for high-frequency operation of fluorescent lamps. J. H. Campbell. 2,497,534, Feb. 14.
Circuits for machine tools, Hydraulic. R. E. Herrstrum and S. A. Bjorklund. 2,497,608, Feb. 14.
Clamp: *See*—
Cable clamp.
Clamp connector. C. L. Hatch. 2,497,602, Feb. 14.
Classifying machine, Vortical. H. G. and W. H. Lykken. 2,497,088, Feb. 14.
Clay pipe cutter. W. D. Gilson and H. B. Myers. 2,497,724, Feb. 14.
Cleaner: *See*—
Pen point cleaner.
Steam vacuum cleaner.
Cleaning means, Orifice. W. S. Landon. 2,497,223, Feb. 14.
Clinching of nails when joining pieces of wood or the like. E. E. A. Norrefeldt and H. E. E. Holst. 2,497,737, Feb. 14.
Clip for fish plugs, Securing. W. Slepica. 2,497,473, Feb. 14.
Closure member. W. L. Trafton. 2,497,827, Feb. 14.
Clutch: *See*—
Centrifugal clutch.
Roller type friction clutch.
Coating ferrous metals with aluminum. C. G. Fink. 2,497,119, Feb. 14.
Coffee and making same, Canned liquid. J. H. Foulkes. 2,497,721, Feb. 14.
Coil support. D. Boterweg. 2,497,204, Feb. 14.
Collapsible auxiliary seat. M. H. Davis. 2,497,658, Feb. 14.
Coloring method for plastics. H. M. Collins. 2,497,346, Feb. 14.
Comb. S. I. Davitcho. 2,497,209, Feb. 14.
Combination lock. A. Mass. 2,497,619, Feb. 14.
Combustion chamber for Diesel engines, Catalyzing. A. L. M. A. Rouy. 2,497,374, Feb. 14.
Come-along for chains. R. S. Towse. 2,497,805, Feb. 14.
Compact. R. Adler. 2,497,752, Feb. 14.
Compact, Powder. R. Schulfer. 2,497,692, Feb. 14.
Compensator for electrical measuring instruments, Flux distribution. S. C. Haley. 2,497,669, Feb. 14.
Compensator for free piston engines, Automatic piston stroke. W. A. Morain and P. S. Shirley. 2,497,091, Feb. 14.
Composite products of rubber and rayon and the products obtained thereby, Manufacture of. J. W. Illingworth and E. W. Madge. 2,497,454, Feb. 14.
Composition for introducing zirconium and beryllium solubly into magnesium. A. C. Jessup and J. B. Wilson. 2,497,551, Feb. 14.
Compressor or pump. H. W. Bell. 2,497,575, Feb. 14.
Computer, Electrical logarithm. N. D. Coggeshall. 2,497,208, Feb. 14.
Condensers, Making. J. B. Brennan. 2,497,066, Feb. 14.
Conducting multiple panel structure, Electrically. H. A. McMaster. 2,497,507, Feb. 14.
Connector: *See*—
Clamp connector.
Pipe connector.
Connector for electrodes. D. E. Stearns. 2,497,804, Feb. 14.
Connector switch controlled from either calling or called party to transmit different types of signaling. C. E. Lomax. 2,497,782, Feb. 14.
Contact device, Electrical. R. S. Thacker. 2,497,568, Feb. 14.
Container: *See*—
Article dispensing container.
Container feed and control mechanism. B. C. Coons. 2,497,586, Feb. 14.
Container having a slidably extensible pouring spout. K. H. Todd, P. L. Elsinger, and J. C. Vogt. 2,497,569, Feb. 14.
Control for fence welding machines, Electrical. H. E. Griesemer. 2,497,260, Feb. 14.
Control means for dynamic braking. A. C. Dyer. 2,497,492, Feb. 14.
Control of foaming. C. S. Carlson and H. T. Oakley. 2,497,150, Feb. 14.
Control system for internal-combustion engines, Starter motor. E. F. McCracken. 2,497,462, Feb. 14.
Control system, Voice input. W. F. Ebert. 2,497,075, Feb. 14.
Controlling polymerization reactions. J. H. Young. 2,497,828, Feb. 14.
Conveyer, Magnetic roll. S. N. Findlay and L. A. Hayes. 2,497,162, Feb. 14.
Conveyer, Power-driven. M. Hallead. 2,497,768, Feb. 14.
Conveyer roll for heated strips or the like. W. H. Dailey, Jr. and E. A. Di Nucci. 2,497,154, Feb. 14.
Cooker, Deep well. C. E. Chesser and T. H. Cline. 2,497,258, Feb. 14.
Cooking and like appliances, Electrical. A. E. R. Arnot. 2,497,753, Feb. 14.
Cooking appliance, Electric. L. Brewton. 2,497,205, Feb. 14.
Cooling device, Liquid. R. H. Ahrens. 2,497,389, Feb. 14.
Cooling means for aircraft engines. A. G. Forsyth. 2,497,444, Feb. 14.
Cooling system for buildings, Indirect. R. K. Becker. 2,497,713, Feb. 14.
Copolymerization product of n-vinyl lactams and polymerizable esters, and making same. J. H. Werntz. 2,497,705, Feb. 14.
Copolymers of alkenyl diesters of alkenyl-phosphonic acids with methyl methacrylate. A. D. F. Toy. 2,497,638, Feb. 14.
Copolymers of ethylene with vinyl chloride. M. M. Brubaker, J. R. Roland, and M. D. Peterson. 2,497,291, Feb. 14.
Cordless electric iron. K. M. Hammell. 2,497,452, Feb. 14.
Cornhusking mechanism. D. Currie. 2,497,298, Feb. 14.
Corset stay. R. and B. Herz. 2,497,728, Feb. 14.
Coupling: *See*—
Flexible coupling.
Impulse coupling.
Hydraulic coupling.
Coupling device, Automatic release-and-catch. C. W. Mott. 2,497,319, Feb. 14.
Coupling for cables, Quick disconnect. E. G. Peters. 2,497,467, Feb. 14
Cover for ironer rolls. T. R. Smith. 2,497,696, Feb. 14.
Covering system. A. J. E. L. Bigard. 2,497,287, Feb. 14.
Crane arrangement for wrecking trucks. E. C. Vandergrift, Sr., and A. Naffin. 2,497,379, Feb. 14.
Critical speed indicator. W. W. Beman. 2,497,431, Feb. 14.
Crystal analysis apparatus having a removable crystal holder. J. E. Coleman. 2,497,070, Feb. 14.
Crystal unit, Piezoelectric. F. Massa. 2,497,680, Feb. 14.
Cuff, Garment sleeve. I. W. Jacobson. 2,497,262, Feb. 14.
Cup-making machine. F. Ruza. 2,497,239, Feb. 14.
Cutter: *See*—
Bottle seal cutter.
Potato cutter.
Clay pipe cutter.
Cutting and stripping apparatus, Wire. K. H. Andren. 2,497,112, Feb. 14.
Cutting tool. L. Eller. 2,497,400, Feb. 14.
Dampener. G. E. Adams. 2,497,252, Feb. 14.
Damper with latching means, Flue. A. P. Terry. 2,497,425, Feb. 14.
Dealkylating alkoxy aromatic amines. C. G. Vogt and F. Marschall. 2,497,248, Feb. 14.
Deflecting and focusing means for X-rays. L. K. Frevel. 2,497,543, Feb. 14.

Deflector type gas burner. J. R. and D. G. Pattinson. 2,497,321, Feb. 14.
Detector, Angle modulation. S. W. Seeley. 2,497,840–1, Feb. 14.
Device for manipulating sand and other pulverulent substances. J. A. Cavallier. 2,497,295, Feb. 14.
Device for securing oars in a rowboat. D. Rogers. 2,497,797, Feb. 14.
Device for tuning high-frequency circuits. H. M. Dressel. 2,497,662, Feb. 14.
Diaper. A. Blankenship. 2,497,533, Feb. 14.
Differential pressure indicator. D. P. Brown. 2,497,255, Feb. 14.
Discharging vaporizable liquids, Process and apparatus for. R. Baker and J. C. Fleming. 2,497,754, Feb. 14.
Dispenser: *See*—
Match dispenser.
Dispenser with garment support suspended underneath, Garment bag magazine. A. C. Johnston. 2,497,263, Feb. 14.
Dispensing apparatus. R. W. Earley and E. S. Wegman. 2,497,718, Feb. 14.
Dispensing device, Liquid. J. W. Muenze. 2,497,134, Feb. 14.
Dolly, Pole transporting. M. U. Gilbreath. 2,497,352, Feb. 14.
Door check. F. Jerousek. 2,497,611, Feb. 14.
Door guiding means. H. J. Turner. 2,497,243, Feb. 14.
Door holder. B. S. Bernhard. 2,497,830, Feb. 14.
Door latch. D. C. Smith and L. I. Oblinger. 2,497,328–9, Feb. 14.
Doorstop. M. H. Smith. 2,497,697, Feb. 14.
Drain and cover therefor, Floor. G. Biggerstaff. 2,497,577, Feb. 14.
Drain, Floating tank roof. J. H. Wiggins. 2,497,645, Feb. 14.
Drier: *See*—
Hair drier.
Drill bit. A. L. Stone. 2,497,144, Feb. 14.
Driving mechanism for multiplex cameras. Y. Svensson and E. Nilsson. 2,497,478, Feb. 14.
Drop end gondola car. O. Ingram. 2,497,221, Feb. 14.
Drum for concrete mixers, Rotary. W. Muller. 2,497,736, Feb. 14.
Drying and treating apparatus of the treated material vibrating type, Grain. F. B. Todd. 2,497,703, Feb. 14.
Dump vehicle. G. J. Vermeer. 2,497,333, Feb. 14.
Dust of slaked lime and a halophenoxycarboxylate weed killer, Preparing. F. P. Stowell. 2,497,636, Feb. 14.
Dynamoelectric machine. M. Anderson. 2,497,650, Feb. 14.
Edge tool. R. A. J. Wilson. 2,497,482, Feb. 14.
Egg mold. J. B. Stier. 2,497,280, Feb. 14.
Ejector and moistener, Cigarette package. J. E. Pollack. 2,497,627, Feb. 14.
Electric gas-discharge tube. A. A. Padmos and P. Schouwstra. 2,497,512, Feb. 14.
Electric sealing iron. W. T. Warren. 2,497,146, Feb. 14.
Electric switch. E. W. Landmeier. 2,497,306, Feb. 14.
Electrode and making the same. H. D. Miller and P. D. Williams. 2,497,090, Feb. 14.
Electrode for electron tubes. P. D. Williams. 2,497,109, Feb. 14.
Electrode for piezoelectric crystals. C. K. Gravley. 2,497,666, Feb. 14.
Electrode structure for electric discharge devices or lamps. H. Gooskens, W. Elenbaas, and A. A. Padmos. 2,497,496, Feb. 14.
Electrodes, Making. P. D. Williams. 2,497,110, Feb. 14.
Electrodeposition of cadmium. L. Weisberg. 2,497,806, Feb. 14.
Electroforming selenium rectifiers. R. D. Amsden. 2,497,649, Feb. 14.
Electromagnetic device. H. J. Findley. 2,497,402, Feb. 14.
Electron discharge device. W. C. Brown. 2,497,436, Feb. 14.
Electron discharge device employing cavity resonators. H. B. De Vore. 2,497,831, Feb. 14.
Electronic indicator. J. R. Steinhoff. 2,497,190, Feb. 14.
Electronic relay. J. G. Beard, R. W. Harralson, and A. Kreithen. 2,497,202, Feb. 14.
Eliminating electrostatic charges in industrial processes. P. S. H. Henry, I. G. McDonald, and J. B. Todd. 2,497,604, Feb. 14.
Emergency plane carrier. C. Drill. 2,497,590, Feb. 14.
Engine: *See*—
Fuel injection engine.
Equipment for adjusting packing and the like. R. H. Mueller. 2,497,789, Feb. 14.
Ethyleneures, Preparation of. A. T. Larson. 2,497,308, Feb. 14.
Ethyleneures, Preparation of. A. T. Larson and A. G. Weber. 2,497,309, Feb. 14.
Exercising machine, Mechanical swimming. B. Becker. 2,497,391, Feb. 14.
Extraction apparatus, Countercurrent. O. R. Sweeney and L. K. Arnold. 2,497,700, Feb. 14.
Extractor mechanism, Hair. J. Fichter. 2,497,719, Feb. 14.
Fabric: *See*—
Loop pile carpet fabric.
Fastener: *See*—
Slide fastener.
Fastener device, Snap. M. Isaac and R. M. Rauner. 2,497,305, Feb. 14.
Fastening device. L. J. Jeffries. 2,497,550, Feb. 14.
Fibers, in particular glass fibers, Method and apparatus for the production of. J. Peyches. 2,497,369, Feb. 14.
Fibrous sheet covered plywood, Manufacturing a. R. J. Auchter. 2,497,712, Feb. 14.
Filleting machine, Flatfish. C. Meissner. 2,497,554, Feb. 14.
Film advancer for still projectors. J. Guercio. 2,497,765, Feb. 14.
Film holder lightseal, Photographic. J. S. Panosian. 2,497,270, Feb. 14.
Film magazine. L. R. De Witt. 2,497,157, Feb. 14.
Film spreader. J. J. Bradley, Jr. 2,497,578, Feb. 14.
Films, Producing. J. C. Swallow, D. K. Baird, and B. P. Ridge. 2,497,376, Feb. 14.
Finger ring. E. Burk. 2,497,207, Feb. 14.
Fire extinguishing device, Automatic. E. G. Ashcraft. 2,497,286, Feb. 14.
Fireplace with supplemental draft means. W. V. Barber. 2,497,486, Feb. 14.
Fishhook holder. H. E. Schindler. 2,497,188, Feb. 14.
Fitting, Electric conduit. J. D. Langman. 2,497,126, Feb. 14.
Fitting, Lubricating. T. A. Campbell. 2,497,758, Feb. 14.
Fitting, Orifice. J. R. Rumbaugh. 2,497,139, Feb. 14.
(5-chloro-2-thenoyl)-o-benzoic acid. H. R. Lee and V. Welnmayr. 2,497,311, Feb. 14.
Five position lever switch. D. P. Mossman. 2,497,414, Feb. 14.
Flame retaining gaseous fuel burner. A. Stadler. 2,497,476, Feb. 14.
Flash lamp. M. Pipkin. 2,497,517, Feb. 14.
Flexible coupling. H. Nolen. 2,497,623, Feb. 14.
Float, Fishing. A. H. Hagen. 2,497,355–6, Feb. 14.
Floating piston pump. J. F. Elliott. 2,497,300, Feb. 14.
Fluid control system. J. K. Heller. 2,497,549, Feb. 14.
Fluid, Oil base drilling. R. D. Dawson. 2,497,398, Feb. 14.
Fluid operated disk brake. H. J. Butler. 2,497,438, Feb. 14.
Fluid-operated pump. M. F. Ecker. 2,497,348, Feb. 14.
Flush handle door latch. H. A. Nelson. 2,497,624, Feb. 14.
Fluxes for the treatment of light alloys. E. F. Emley. 2,497,540, Feb. 14.
Fluxes for use in the treatment of light metals. E. F. Emley and A. C. Jessup. 2,497,538, Feb. 14.
Folding chair. M. T. Larin. 2,497,412, Feb. 14.
Folding device for attachment to drawing frames. H. J. Woods. 2,497,647, Feb. 14.
Follow-up mechanism. R. B. Malley. 2,497,617, Feb. 14.
Forceps, Dental. E. B. Moller. 2,497,229, Feb. 14.
Fork, Tuning. J. R. Shonnard. 2,497,143, Feb. 14.
Form fitting heating pad. J. N. Eatman. 2,497,443, Feb. 14.
Freezer, Food. R. J. Kuklich. 2,497,734, Feb. 14.
Frequency detector and frequency control circuits. A. R. Alter. 2,497,571, Feb. 14.
Frequency detector and frequency control circuits. W. E. Bradley. 2,497,290, Feb. 14.
Frequency responsive control circuit. C. K. Gieringer and A. G. Bilin. 2,497,404, Feb. 14.
Fuel injection engine. A. F. Sanders. 2,497,802, Feb. 14.
Fulcrum for car door locking means. A. E. Zimmer and W. F. Batho. 2,497,284, Feb. 14.
Fulcrum for dental forceps, Attachable. W. M. Brantley. 2,497,254, Feb. 14.
Furnace for melting metals and alloys. P. M. Hulme. 2,497,125, Feb. 14.
Furniture leg, Collapsible. C. Ledel. 2,497,552, Feb. 14.
Fuse. J. S. Messer and D. L. Davis. 2,497,227, Feb. 14.
Fuse construction, Tensioned. H. M. Chase. 2,497,257, Feb. 14.
Fuse, Multiple element. F. J. Roukos, Jr. 2,497,470, Feb. 14.
Fuse powder and fuses, Manufacture of. H. Zenftman. 2,497,387, Feb. 14.
Game, Golf ball putting. J. Anthony. 2,497,390, Feb. 14.
Gamma-2-thenoyl-butyric acid, Substituted. D. H. Terry and C. W. Croco. 2,497,145, Feb. 14.
Garden tool. J. R. McCaskill. 2,497,506, Feb. 14.
Garment. L. H. Mendelson. 2,497,180, Feb. 14.
Gas distributing system. P. Herber and W. C. Richardson. 2,497,169, Feb. 14.
Gasoline fuel reserve tank. A. Siegel. 2,497,277, Feb. 14.
Gate for harness horses, Starting. S. G. Phillips. 2,497,370, Feb. 14.
Gauge: *See*—
Meat cutting gauge.
Micrometer head space gauge.
Pressure gauge.
Rain or snow gauge.
Tank gauge.
Wheel gauge.
Gauge and spot marker, Combination. R. J. Abshire. 2,497,570, Feb. 14.
Gauge for drill guides, Precision layout. J. N. Kebour. 2,497,733, Feb. 14.
Gauging device. W. F. Aller. 2,497,199, Feb. 14.
Gauging device, Size. L. F. Polk. 2,497,236, Feb. 14.
Gear and clutch mechanism for spinner type clothes washing machines. J. F. Young and C. S. Dayton. 2,497,686, Feb. 14.
Generator: *See*—
Induction generator.
Oscillation generator.
Servo system derivative generator.
Gin, Milkweed. B. Berkman. 2,497,532, Feb. 14.

Glasing construction. J. P. Pearse. 2,497,515, Feb. 14.
Golf club, Practice type. W. Reineking. 2,497,237, Feb. 14.
Gown, Hospital bed. E. K. Doughty. 2,497,764, Feb. 14.
Grinding machine. A. D. Ferguson. 2,497,076, Feb. 14.
Grinding rod and wire, Method and apparatus for. R. D. Green. 2,497,407, Feb. 14.
Guard for linemen's climbers, Gaff. C. N. Wollensack. 2,497,710, Feb. 14.
Guard for use on shoe heels, Splash. C. F. Hoover and J. Nissley. 2,497,609, Feb. 14.
Guard, Trailer hitch. G. Lachowicz. 2,497,862, Feb. 14.
Gun, Lubrication. E. W. Davis. 2,497,762, Feb. 14.
Gun, Spray. H. M. Norwick. 2,497,625, Feb. 14.
Hair curler. H. R. Bein. 2,497,714, Feb. 14.
Hair drier. E. W. Farmer. 2,497,301, Feb. 14.
Handle: *See*—
Removable utensil handle.
Hanger with film tensioning means, Multiple film. R. W. Armstrong, R. Sardeson, and E. H. Savela. 2,497,429, Feb. 14.
Headrest protector. A. Struble and M. L. Moffitt, Jr. 2,497,698, Feb. 14.
Headstock of a lathe, Loose. J. G. Kronouer. 2,497,504, Feb. 14.
Heat-treating material. H. A. Dreffein. 2,497,442, Feb. 14.
Heat-treatment of nickel-chromium alloys. H. E. Gresham and D. W. Hall. 2,497,667, Feb. 14.
Heating and compression apparatus, High-frequency. E. C. Hanson and D. E. Watts. 2,497,670, Feb. 14.
Heating device and combustion process. R. J. Waller. 2,497,262, Feb. 14.
High-frequency apparatus. L. F. Sorg. 2,497,564, Feb. 14.
Hinge. R. Levane. 2,497,266, Feb. 14.
Hinge, Awning. D. S. Ackerman. 2,497,337, Feb. 14.
Hinge, Casement sash. F. E. Bissell, Jr., and E. E. Claussen. 2,497,288, Feb. 14.
Hinge structure, Gate. W. A. Gilmore. 2,497,495, Feb. 14.
Hoist device. W. M. Grigsby. 2,497,600, Feb. 14.
Holder: *See*—
Adjustable mirror or picture holder. Door holder. Fishhook holder. Screw holder.
Baby's plate holder.
Change holder.
Holder for lipsticks or other cosmetic containers, Manifold. P. Libson. 2,497,314, Feb. 14.
Holder for rotary tools with center holes of different sizes. W. J. T. Hall. 2,497,217, Feb. 14.
Holder for thermionic valves. G. W. Clark. 2,497,811, Feb. 14.
Hood for bottled gas containers. W. R. Rose. 2,497,561, Feb. 14.
Hook: *See*—
Suspension hook.
Horseshoe for pitching game. W. H. Kettig. 2,497,410, Feb. 14.
Housing, Roller bearing. R. H. Gaver. 2,497,403, Feb. 14.
Hub, Flanged. V. E. Sprouse. 2,497,242, Feb. 14.
Hub for bicycles, Freewheel. G. E. Olsson. 2,497,368, Feb. 14.
Hydraulic coupling. J. I. Detweiler. 2,497,441, Feb. 14.
Hydraulic jack. J. J. Mueller. 2,497,788, Feb. 14.
Hydraulic safety device. G. L. Hildebrand. 2,497,083, Feb. 14.
Hydroxypyridines and preparing the same. D. H. Hoffman. 2,497,732, Feb. 14.
Hygrometer. W. E. Talbott. 2,497,378, Feb. 14.
Identification card and mechanism. D. O. Glover. 2,497,405, Feb. 14.
Ignition system. G. L. Lang. 2,497,307, Feb. 14.
Impulse coupling. A. F. Wagner. 2,497,642, Feb. 14.
Incorporation of clay filler into synthetic rubber. R. E. Meeker and H. J. E. Segrave. 2,497,464, Feb. 14.
Indicating device, Pressure responsive. S. Terpak. 2,497,702, Feb. 14.
Indicating device with automatic zero adjustment. O. Kornei. 2,497,675, Feb. 14.
Indicator: *See*—
Critical speed indicator. Electronic indicator.
Differential pressure indicator.
Indicator and transposing device, Music chord. J. H. Mayberry. 2,497,364, Feb. 14.
Indicator for radio receivers, Tuning. A. P. Olesky. 2,497,269, Feb. 14.
Inductance device or the like, Adjustable. E. L. Johnson. 2,497,456, Feb. 14.
Induction generator. H. H. Curry. 2,497,113, Feb. 14.
Insecticidal composition. L. C. Cartwright. 2,497,294, Feb. 14.
Instrument, Electronic musical. R. B. Dome. 2,497,661, Feb. 14.
Instrument having negative lens and grid scale, Optical viewing. R. W. Justice. 2,497,360, Feb. 14.
Instrument, Stringed musical. L. Dopyera. 2,497,116, Feb. 14.
Insulator. H. O. Wolf. 2,497,251, Feb. 14.
Interlock. E. B. Cain. 2,497,487, Feb. 14.
Interlocking game board. L. J. Bisson. 2,497,341, Feb. 14.
Internally applied expanding gripping tool. J. and M. Shapiro. 2,497,633, Feb. 14.
Iron: *See*—
Cordless electric iron. Electric sealing iron.
Ironing apparatus. J. H. Leef. 2,497,128, Feb. 14.
Ironing board leg mounting. L. L. Daugherty, Jr. 2,497,763, Feb. 14.
Isobutylene production. C. T. Steele and E. A. Epps, Jr. 2,497,191, Feb. 14.
Jack: *See*—
Body jack. Hydraulic jack.
Joint: *See*—
Smoking pipe stem joint. Swing joint.
Key for shafts, Locking. H. P. Stevens. 2,497,634, Feb. 14.
Kit, Embroidery thread. M. E. Beardsley. 2,497,653, Feb. 14.
Kit having two tablecloth closures providing multiple seals, Camp. R. S. Davis. 2,497,156, Feb. 14.
Kit, Sales presentation. C. S. Sullivan. 2,497,826, Feb. 14.
Labeler with neck label gauge, Bottle. P. L. Chelle. 2,497,344, Feb. 14.
Lactalbumin, Manufacture of. E. C. Scott and G. W. McDonald. 2,497,420, Feb. 14.
Laminates and polymers of alkenyl esters of arylphosphonic acids. A. D. F. Toy. 2,497,637, Feb. 14.
Lamp: *See*—
Flash lamp.
Lamp or similar device and manufacture, Electric. A. Greiner. 2,497,545, Feb. 14.
Last for shoes. J. E. Mackay. 2,497,363, Feb. 14.
Latch: *See*—
Door latch. Flush handle door latch.
Latch for automobile baggage compartments, Cover. R. L. Stevenson. 2,497,102, Feb. 14.
Latching device. H. J. McDermott. 2,497,267, Feb. 14.
Lathe control, Automatic. F. A. Fritzsch. 2,497,302, Feb. 14.
Lawn mower, Power. F. M. Apple. 2,497,573, Feb. 14.
Lead screw stop means. F. Terdina and W. E. Skidmore. 2,497,424, Feb. 14.
Lehr for glassware. D. G. Merrill. 2,497,621, Feb. 14.
Lift, Automobile. G. A. Sims. 2,497,472, Feb. 14.
Lift, Truck Tail gate. W. E. Snow. 2,497,474, Feb. 14.
Light metals, Process and flux for the treatment of. E. F. Emley and A. C. Jessup. 2,497,539, Feb. 14.
Lighter. C. H. H. Rodanet. 2,497,137, Feb. 14.
Lighter, Semiautomatic table. P. W. Buchhart. 2,497,582, Feb. 14.
Lighter structure for gas burners. E. H. Mueller. 2,497,233, Feb. 14.
Limiting device, Overload. V. J. Grumblatt. 2,497,668, Feb. 14.
Loading apparatus, Film. R. W. Armstrong, R. Sardeson, and E. H. Savela. 2,497,430, Feb. 14.
Loading apparatus, Freight. S. M. Nampa, K. J. Tobin, and H. L. Dunlap. 2,497,683, Feb. 14.
Localizer and glide path indicator, Night landing visual. D. C. Weiss. 2,497,427, Feb. 14.
Locator system, Visual runway. R. B. Whitaker. 2,497,383, Feb. 14.
Lock: *See*—
Combination lock. Multiple safety lock.
Lock. G. W. Wardwell, Jr. 2,497,750, Feb. 14.
Lock for grain elevator man lifts, Safety. F. E. Vance. 2,497,245, Feb. 14.
Lock for toy ironing boards, Three-way. E. Melberg. 2,497,620, Feb. 14.
Lock for vehicles, Brake pedal. W. M. Cade. 2,497,293, Feb. 14.
Locking means for clothes-washing machines. J. H. Palmer. 2,497,685, Feb. 14.
Loom. O. Firing. 2,497,077, Feb. 14.
Loop pile carpet fabric. E. C. Bloch. 2,497,716, Feb. 14.
Lubricating grease compositions. A. J. Morway, A. Beerbower, and J. C. Zimmer. 2,497,133, Feb. 14.
Lubricating means for crosshead pins. A. R. Maier and W. J. Redman. 2,497,089, Feb. 14.
Lubricating means for transmissions. K. M. Armantrout. 2,497,253, Feb. 14.
Lubricating oil composition. L. A. Mikeska. 2,497,132, Feb. 14.
Lubricator. E. Martin and J. B. MacKenzie. 2,497,822, Feb. 14.
Luminescent materials, Manufacture of. J. H. Schulman. 2,497,140, Feb. 14.
Machine for grinding and sharpening saw blades. O. M. Jensen. 2,497,775, Feb. 14.
Machine for manufacturing hollow bodies of plastic material. E. V. Fejmert. 2,497,160, Feb. 14.
Magnesium base alloys containing zirconium, Production of. C. J. P. Ball, F. A. Fox, A. C. Jessup and E. F. Emley. 2,497,529, Feb. 14.
Magnesium nitride, Preparation of. A. C. Byrns. 2,497,583, Feb. 14.
Magnetic structure. C. E. Basley. 2,497,652, Feb. 14.
Magnetic switch. C. E. Hastings. 2,497,547, Feb. 14.
Magnetic writing pad. M. O. Teetor. 2,497,332, Feb. 14.
Magnets and the obtention of the same, Permanent. L. Neel. 2,497,268, Feb. 14.
Marker, Cattle. W. F. Schacht. 2,497,632, Feb. 14.
Marking device, Film. C. Gaul. 2,497,445 Feb. 14.

Marking machine, Barstock. C. A. Zarobsky. 2,497,386, Feb. 14.
Mat for hydraulic hoists, Grease. L. T. Stark. 2,497,565, Feb. 14.
Match dispenser. C. E. Polster. 2,497,371, Feb. 14.
Measuring device for air filters, Radiation. E. W. Molloy. 2,497,823, Feb. 14.
Measuring device, Recording. R. L. Littlejohn. 2,497,087, Feb. 14.
Meat cutting gauge. G. R. Henney. 2,497,818, Feb. 14.
Mechanism for connecting engine governors and by-pass valves. E. Rathbun. 2,497,322, Feb. 14.
Mechanism for handling production from cup forming machines or the like. L. M. Harvey. 2,497,124, Feb. 14.
Mechanism for imparting impulses to pendulums. J. R. Smith. 2,497,327, Feb. 14.
Mechanism for road graders. A. L. Lado. 2,497,778, Feb. 14.
Mechanism for use in rotary intaglio printing machines, Doctor blade. N. P. Toft. 2,497,520, Feb. 14.
Mercapto-alkoxy thio-ethers. H. R. Snyder and J. M. Stewart. 2,497,100, Feb. 14.
Metal powder by end milling of ingots, Method of and apparatus for production of. W. W. Paul and E. M. Hommel. 2,497,738, Feb. 14.
Metalworking machine adapted to act independently or to augment the functions of machine tools. D. S. McCullough. 2,497,735, Feb. 14.
Metallic wool pad. C. A. Bruce and F. H. Lyons. 2,497,206, Feb. 14.
Metals, the production of vaporizable. V. F. Parry. 2,497,096, Feb. 14.
Meter reset mechanism, Maximum demand. J. R. Macintyre and R. L. Davis. 2,497,678, Feb. 14.
Microfilm viewer and projecting apparatus with masking and selecting means. A. G. Herrmann. 2,497,606, Feb. 14.
Micrometer head space gauge. L. A. Woodward. 2,497,196, Feb. 14.
Microwave apparatus. T. Moreno. 2,497,094, Feb. 14.
Milk products, Stabilized. D. K. O'Leary. 2,497,320, Feb. 14.
Mineral oil composition containing a thebylamine. H. D. Hartough and S. J. Lukasiewicz. 2,497,067, Feb. 14.
Minimizing "patchiness" in etched chromium electrodeposits. G. Dubpernell. 2,497,591, Feb. 14.
Modifying fatty oils. S. B. Radlove. 2,497,689, Feb. 14.
Modulating device, Wave length. G. Hepp. 2,497,605, Feb. 14.
Modulating valve. C. I. Stevens. 2,497,635, Feb. 14.
Moistening device for envelope flaps. W. J. Hanson and A. D. Linden. 2,497,727, Feb. 14.
Mold: *See*—
Egg mold.
Motor: *See*—
Synchronous motor.
Motor for vehicle brakes, Fluid pressure actuated. H. L. Frick. 2,497,815, Feb. 14.
Motor or pump, Rotary fluid. A. Z. Richards, Jr. 2,497,373, Feb. 14.
Mount structure for electric lamps. J. E. Stone. 2,497,567, Feb. 14.
Mount structure for electric lamps. J. E. Stone and J. O. Geissbuhler. 2,497,566, Feb. 14.
Mount, Tube. J. E. Gall. 2,497,078, Feb. 14.
Mounting: *See*—
Ironing board leg mounting. Railway brake beam mounting.
Mounting elongated magnetostrictive elements. C. H. Kean. 2,497,172, Feb. 14.
Mounting for boats, Outboard motor. L. R. Daniels. 2,497,490, Feb. 14.
Mounting for mortise locks, Front plate. E. F. Shaffer. 2,497,189, Feb. 14.
Mounting structure and extension tracks for mechanical units. L. W. Melcher. 2,497,785, Feb. 14.
Multiple gas burner. W. R. Vandiver. 2,497,104, Feb. 14.
Multiple safety lock. W. R. Yost and H. B. Wampler. 2,497,485, Feb. 14.
N-isobutyl hexamethylenediamines, Preparation of. W. M. Bruner. 2,497,202, Feb. 14.
Navigation system, Radio. G. R. Paine and W. C. Platt. 2,497,513, Feb. 14.
Needle, Talking machine. A. Nicole. 2,497,366, Feb. 14.
Network, Noise reducing. E. Toth. 2,497,103, Feb. 14.
Nursing unit, Wide mouth. A. M. Allen. 2,497,198, Dec. 14.
Nut and making the same, Self-locking. M. Hattan. 2,497,081, Feb. 14.
Odometer and ignition switch, Combination. O. E. Becker. 2,497,340, Feb. 14.
Oil and meal from fish offal, Producing. O. Notevarp. 2,497,367, Feb. 14.
Oil compositions containing amine salts of boro-diol complexes. C. E. Trautman. 2,497,521, Feb. 14.
1-acetyl-2-methyl-2-chloromethylcyclopropane. K. E. Wilzbach. 2,497,483, Feb. 14.
1-alkyl-2,5-dimethylpyrrolidines. A. W. Ralston and J. Harwood. 2,497,859, Feb. 14.
Operating means for sliding elevator doors. N. R. Guilbert, Jr., and G. J. Arbogast. 2,497,080, Feb. 14.
Operations of steam traps, Means to check. E. L. Sequin and M. Klein. 2,497,375, Feb. 14.
Operator, Electric motor-driven. E. A. Rehwald. 2,497,794, Feb. 14.
Organic polymers, Oxygenated. D. J. Loder and W. F. Gresham. 2,497,315, Feb. 14.
Organic sulfur-containing compounds, Preparing stabilized. E. N. Roberts and L. W. Mixon. 2,497,097, Feb. 14.
Oscillation generator. B. M. Hadfield. 2,497,766, Feb. 14.
Oscillator plate, Quartz. W. H. E. Samuelson. 2,497,275, Feb. 14.
pH-responsive glass electrodes. G. A. Perley. 2,497,235, Feb. 14.
Package. W. H. Colgate. 2,497,071, Feb. 14.
Package binding tool. J. H. Leslie, II. 2,497,313, Feb. 14.
Pad: *See*—
Form fitting heating pad. Metallic wool pad.
Magnetic writing pad. Shoulder pad.
Pad for garments, Replaceable shoulder. B. M. Weber. 2,497,382, Feb. 14.
Parachute and releasing means, Pack-type. J. W. Horning. 2,497,772, Feb. 14.
Pedal for motor vehicles, Control. J. J. Wharam and J. J. Felts. 2,497,283, Feb. 14.
Pen. D. C. Weston. 2,497,249, Feb. 14.
Pen point cleaner. A. B. Wikstrom. 2,497,709, Feb. 14.
Pentanediol, Preparation of. H. B. Copelin. 2,497,812, Feb. 14.
Percolator. H. R. Ansel. 2,497,572, Feb. 14.
Peroxide solutions, Production of. D. J. Campbell and E. F. Lefson. 2,497,810, Feb. 14.
Phenols, Preparation of substituted. J. L. Jones. 2,497,503, Feb. 14.
Photographic product. J. Greenhaigh, N. W. Pinkham and R. B. Tomer. 2,497,816, Feb. 14.
Photographic retouching stand. C. Z. and B. L. Good. 2,497,215, Feb. 14.
Piezoelectric apparatus. H. Jaffe. 2,497,672, Feb. 14.
Piezoelectric device. C. K. Gravley. 2,497,665, Feb. 14.
Pile. P. Swann and R. H. L. Sung. 2,497,377, Feb. 14.
Pin board. F. F. Bahnson. 2,497,574, Feb. 14.
Pipe bending apparatus with pivoted side shapers. H. A. Mueller. 2,497,622, Feb. 14.
Pipe connection. J. C. Richardson. 2,497,273, Feb. 14.
Pipe connector. J. C. Richardson. 2,497,274, Feb. 14.
Piston. W. M. Venner and P. L. Bowser. 2,497,380, Feb. 14.
Plane, Smoothing. S. Telasky. 2,497,701, Feb. 14.
Playground equipment. W. E. Pricer. 2,497,372, Feb. 14.
Plug: *See*—
Spark plug.
Polymeric sulfurous acid esters. W. J. Myles and J. H. Prichard. 2,497,135, Feb. 14.
Polymerization of ethylene. M. J. Roedel. 2,497,323, Feb. 14.
Polymerizing butadiene or the like in the presence of tetraaryl succino dinitrile and products thereof. D. Josefowitz. 2,497,833, Feb. 14.
Polymerizing conjugated dienes in the presence of selected alkyl esters of mercaptyl undecanoic acids as polymerization regulators. K. H. Weber. 2,497,107, Feb. 14.
Potato cutter. H. Bloomfield. 2,497,289, Feb. 14.
Power supply. G. H. Miller. 2,497,182, Feb. 14.
Precipitation of alkali metal salts of penicillin. N. A. Hansen, J. W. Milne, and W. C. Risser. 2,497,769, Feb. 14.
Precision balance. F. S. Arguelles. 2,497,428, Feb. 14.
Preforming head, Adjustable. O. A. McNamee. 2,497,178, Feb. 14.
Preloading means, Timer mainspring variable. C. E. Godley. 2,497,079, Feb. 14.
Preserving unpopped pop corn at optimum moisture content. S. T. Dexter. 2,497,399, Feb. 14.
Press: *See*—
Shoe press.
Presser device for sewing machines. F. P. Tamburro. 2,497,746, Feb. 14.
Pressure control valve. J. E. Gray, R. A. Gray, Jr., and W. M. Parker. 2,497,664, Feb. 14.
Pressure gauge. J. R. O. Downing. 2,497,213, Feb. 14.
Printing press having curved impression surface. C. F. Root. 2,497,798–801, Feb. 14.
Procedure for the preparation of prosthesis of great strength from methyl methacrylate monomer and polymer. M. Haefell. 2,497,451, Feb. 14.
Propagator, incubator, and brooder, Combination. G. H. Wade, Sr. 2,497,381, Feb. 14.
Propylene glycol esters, Manufacture of. W. F. Gresham. 2,497,408, Feb. 14.
Protective system for dynamoelectric machines. H. S. Ogden. 2,497,684, Feb. 14.
Protector: *See*—
Headrest protector.
Waterproof stocking and shoe protector.
Protein preservative. R. W. Ivett. 2,497,610, Feb. 14.
Pull for slide fasteners. N. J. Poux. 2,497,740, Feb. 14.
Pump: *See*—
Floating piston pump. Fluid-operated pump.
Pump. L. E. Meisner. 2,497,179, Feb. 14.
Pump and pressure-regulating unit. A. von Wangenheim. 2,497,247, Feb. 14.
Pump drive for steam turbines, Oil. K. MacDonald. 2,497,616, Feb. 14.

Purification of ether. H. M. Guinot. 2,497,601, Feb. 14.
Purification of ethylene. F. S. Chance, Jr. 2,497,296, Feb. 14.
Purification of petroleum sulfonates. C. A. Cohen. 2,497,152, Feb. 14.
Purifying sulfurized hydrocarbon products. D. T. Rogers. 2,497,138, Feb. 14.
Purse, Coin. N. S. Waterman. 2,497,643, Feb. 14.
Pyrometer, Radiation. A. A. Markson. 2,497,783, Feb. 14.
Quinoline derivatives. F. H. S. Curd, J. K. Landquist, C. G. Raison, and F. L. Rose. 2,497,347, Feb. 14.
Quiz device. R. E. Appel. 2,497,200, Feb. 14.
Radiation detecting apparatus. M. D. Liston. 2,497,129, Feb. 14.
Railway brake beam mounting. W. H. Sale. 2,497,417, Feb. 14.
Rain or snow gauge. H. L. Cappleman, Jr. 2,497,759, Feb. 14.
Rake, Lawn. J. T. Thayer, Jr. 2,497,192, Feb. 14.
Rake, Rotary reel. C. Jones. 2,497,409, Feb. 14.
Rake, Side delivery. J. L. Bowman. 2,497,717, Feb. 14.
Ray equipment, Infrared. R. W. Lashells. 2,497,676, Feb. 14.
Reaction between olefinic compounds, carbon monoxide, and hydrogen in the presence of a metal carbonyl catalyst. W. F. Gresham and R. E. Brooks. 2,497,303, Feb. 14.
Reaction of alpha-beta unsaturated compounds with aromatic hydrocarbons and products obtained. W. Kirk, Jr. 2,497,673, Feb. 14.
Reaction products of dicyandiamide with an amine-formaldehyde reaction product. J. R. Dudley and J. A. Anthes. 2,497,073, Feb. 14.
Reactor system, Saturable. S. V. Hart. 2,497,218, Feb. 14.
Receptacle closure. E. Greene. 2,497,599, Feb. 14.
Receptacle into which a mop may be inserted and shaken, Closed. L. B. Reid. 2,497,795, Feb. 14.
Reclining chair. R. A. Cramer, Sr. 2,497,395, Feb. 14.
Record material equipment for cash registers. J. J. Klosterman. 2,497,264, Feb. 14.
Recorder and reproducer, Sound. J. O. Shepherd. 2,497,142, Feb. 14.
Recovery of elemental sulfur from acidic gases. S. L. Nevins and J. S. Gilliam, Jr. 2,497,095, Feb. 14.
Recovery of manganese by electrolysis. F. S. Griffith. 2,497,725, Feb. 14.
Reducing thermal shock high-temperature valve. S. D. Lawson. 2,497,780, Feb. 14.
Reel construction, Feathering. S. C. Heth and W. B. Tallman. 2,497,729, Feb. 14.
Reel or spool. R. V. Olson. 2,497,556, Feb. 14.
Refining oil with a selective solvent. J. A. Davies. 2,497,588, Feb. 14.
Refrigerating system. A. Katzow. 2,497,819, Feb. 14.
Refrigerating system including flow control devices. H. F. Lathrop. 2,497,677, Feb. 14.
Refrigeration system. E. Gygax. 2,497,450, Feb. 14.
Regulating device for printing press ink fountains, Ink delivery. E. W. Worthington. 2,497,648, Feb. 14.
Regulating vehicle speed, Automatically and progressively. F. Baron. 2,497,338, Feb. 14.
Relay servo. J. P. Palmer. 2,497,514, Feb. 14.
Relay system, Selective. V. J. Clarke. 2,497,656, Feb. 14.
Relief valve. F. L. Banner. 2,497,201, Feb. 14.
Reminder device. T. B. Allardice. 2,497,285, Feb. 14.
Removable utensil handle. J. L. Young. 2,497,384, Feb. 14.
Remover and replacer, Bushing. B. C. Hamilton. 2,497,498, Feb. 14.
Remover, Electrically heated paint. F. Carlino. 2,497,535, Feb. 14.
Resin-glyceride coating. S. S. Gutkin. 2,497,449, Feb. 14.
Resins and preparing the same, Modified urea-formaldehyde. J. R. Dudley and J. A. Anthes. 2,497,074, Feb. 14.
Ring: *See*—
  Finger ring.
Roller, Plastic. G. R. Laure. 2,497,224, Feb. 14.
Roller type friction clutch. H. M. Kesterton. 2,497,361, Feb. 14.
Rotary cylinder abrading tool. E. W. Hall. 2,497,497, Feb. 14.
Rotor, Multidisk. T. Clark and J. H. C. Atkins. 2,497,151, Feb. 14.
Sanding machine. W. L. Petersen. 2,497,791, Feb. 14.
Sash balance. D. M. Steele. 2,497,279, Feb. 14.
Saw, Automatic intermittent feed-and-cut swing frame wood. G. W. Cashwell. 2,497,488, Feb. 14.
Saw, Two-position mobile power. L. Underwood. 2,497,639, Feb. 14.
Scale, Proportional mixing. P. Marienthal. 2,497,618, Feb. 14.
Scissors. B. O. Corley. 2,497,587, Feb. 14.
Sclerosing composition. L. Reiner. 2,497,742, Feb. 14.
Scoop, Weighing. C. Peckham. 2,497,271, Feb. 14.
Scoops or interlocking elements, Slide fastener. H. M. Frank. 2,497,122, Feb. 14.
Scraping device, Groove. L. B. Miller. 2,497,228, Feb. 14.
Screw holder. A. H. Carlson. 2,497,256, Feb. 14.
Seal, Car. B. Borland. 2,497,434, Feb. 14.
Seal, Rotating vacuum. J. J. Vlach. 2,497,479, Feb. 14.
Seal, Self-contained. C. F. Voytech. 2,497,704, Feb. 14.
Seat: *See*—
  Collapsible auxiliary seat.
Secondary emission amplifying tube circuit. A. van Weel. 2,497,640, Feb. 14.
Selective condition control. J. Eaton. 2,497,663, Feb. 14.
Separating isomers of amidone intermediates. K. Pfister, III. 2,497,739, Feb. 14.
Separation and recovery of the constituents of air. W. Dennis. 2,497,589, Feb. 14.
Separation of olefins. E. V. Fasce. 2,497,159, Feb. 14.
Serving-bar unit, Beverage. A. M. Pohl and P. H. Herber. 2,497,688, Feb. 14.
Servomotor and valve therefor, Portable pressure fluid. H. W. Darr. 2,497,813, Feb. 14.
Servo system derivative generator. M. L. Greenough. 2,497,216, Feb. 14.
Servo system testing. R. A. Carpenter and D. M. Lowe. 2,497,069, Feb. 14.
Settler. S. J. H. Breukel. 2,497,392, Feb. 14.
Sewing machine. A. Austlid. 2,497,651, Feb. 14.
Sewing machine. T. E. Monroe. 2,497,231, Feb. 14.
Shear, Rotary. F. E. Davis. 2,497,155, Feb. 14.
Sheller, Egg. G. B. Brustolon and J. E. Hoey. 2,497,342, Feb. 14.
Shield for electron discharge devices, Leakage minimizing. G. F. Devine. 2,497,660, Feb. 14.
Shield, Hand and finger. J. Wagner. 2,497,749, Feb. 14.
Shield, Painting. E. Belschner. 2,497,715, Feb. 14.
Shirts for men, Construction of. E. M. Roseen. 2,497,630, Feb. 14.
Shock absorbing device, Pistol. R. Ferda. 2,497,350, Feb. 14.
Shoe bag. S. Scherba. 2,497,325, Feb. 14.
Shoe construction. J. P. Mantos. 2,497,175, Feb. 14.
Shoe press. S. J. Finn. 2,497,161, Feb. 14.
Shoe sling back strap support. R. W. Floro. 2,497,720, Feb. 14.
Shoulder pad. F. B. Zacks. 2,497,808, Feb. 14.
Shutoff device, Emergency. R. Sheppard. 2,497,695, Feb. 14.
Shuttle position detector mechanism. J. M. Tuten. 2,497,281, Feb. 14.
Signaling system, Carrier current. L. G. Erickson. 2,497,593, Feb. 14.
Silica sol catalyst in the emulsion polymerization of butadiene-1,3 hydrocarbons. A. J. Green. 2,497,447, Feb. 14.
Sink and float process for the separation of coal from its impurities. R. L. P. Pauvrasseau. 2,497,790, Feb. 14.
Sink dishwasher bearing. W. N. Harris. 2,497,168, Feb. 14.
Skimmer, Differential gravity. J. H. McClintock and G. D. Priestman. 2,497,177, Feb. 14.
Slat for Venetian blinds, Removable. A. N. Smalley. 2,497,803, Feb. 14.
Sleeping bag. H. S. Guyol. 2,497,167, Feb. 14.
Slicing machine. T. W. Winberg and R. A. Ames. 2,497,646, Feb. 14.
Slicing machine, Bun. L. Sammy. 2,497,187, Feb. 14.
Slide fastener. J. H. Kohler. 2,497,821, Feb. 14.
Slide loop. G. H. Elwell. 2,497,401, Feb. 14.
Smoking pipe stem joint. O. M. Lerch. 2,497,225, Feb. 14.
Snubber. W. H. Baselt. 2,497,829, Feb. 14.
Solutions of polymerized styrene compounds. Manufacture of. J. P. C. E. Corbiere. 2,497,259, Feb. 14.
Solutions of saccharide derivatives of the suprarenal cortical hormone series and making same, Stable, supersaturated aqueous. K. Miescher and C. Meystre. 2,497,509, Feb. 14.
Sound producing device. R. C. Kucera. 2,497,457, Feb. 14.
Spark plug. R. J. L. Dutterer. 2,497,158, Feb. 14.
Spindle, Cotton picker. C. A. Kallgren. 2,497,776, Feb. 14.
Spindle for yarn packages, Supporting. A. Robertson. 2,497,796, Feb. 14.
Spindle, Picker. D. B. Baker and C. R. Hagen. 2,497,777, Feb. 14.
Spindle structure, Spinning and twisting. J. A. Kennedy. 2,497,834, Feb. 14.
Spinner, Trolling. T. A. Wood. 2,497,807, Feb. 14.
Spinning device. C. Hatfield. 2,497,082, Feb. 14.
Spinning machine and method, Direct. C. E. Neisler, Jr. 2,497,511, Feb. 14.
Splint, Surgical. R. Persall. 2,497,626, Feb. 14.
Spraying. D. F. Starr. 2,497,101, Feb. 14.
Spud for flush tank levers. B. R. Crampton. 2,497,396, Feb. 14.
Squeezer with rotating and reciprocating cup, Citrus fruit. B. F. Wissner. 2,497,335, Feb. 14.
Stabilization of eggs. C. Hale and P. Schauert. 2,497,817, Feb. 14.
Stabilization of peroxide solutions. A. A. Elston. 2,497,814, Feb. 14.
Stabilizing rayon type fabric. A. S. Stevenson and L. Beer. 2,497,519, Feb. 14.
Stable vertical. A. D. Fialkow. 2,497,594, Feb. 14.
Stable vertical. D. L. Herr. 2,497,607, Feb. 14.
Stable vertical. E. E. Libman. 2,497,614, Feb. 14.
Stand: *See*—
  Photographic retouching stand.
Stand for spools. H. J. Isabelle, Sr. 2,497,359, Feb. 14.

Starch treatment. J. M. Newton and L. D. Ough. 2,497,838, Feb. 14.
Starter, Time delay magnetic. T. W. Frech. 2,497,542, Feb. 14.
Steam vacuum cleaner. L. Branneman. 2,497,435, Feb. 14.
Steering mechanism, Land vehicle. G. Hunt. 2,497,357, Feb. 14.
Sterilizer. E. R. Schipanski. 2,497,326, Feb. 14.
Stitch and stiching. T. E. Monroe. 2,497,230, Feb. 14.
Stitching. T. E. Monroe. 2,497,232, Feb. 14.
Stoker having means for equalizing the distribution of fuel upwardly in the retort, Crushed-fuel. C. Quist. 2,497,628, Feb. 14.
Stop motion for braiding machines. J. Robideau. 2,497,560, Feb. 14.
Stratifier. Pneumatic. G. A. Bastanchury. 2,497,330, Feb. 14.
Striking device. H. K. Ullman. 2,497,244, Feb. 14.
Strut, Hydraulic. J. W. Coursen and E. J. Schweitzer. 2,497,489, Feb. 14.
Stud extractor tool. W. F. Dreyer. 2,497,214, Feb. 14.
Sulfoaryl-amides of aromatic carboxylic acids, Manufacture of. H. A. Lubs, W. V. Wirth, J. A. Bridgman, and L. Spiegler. 2,497,131, Feb. 14.
Sulfoaryl-amides of aromatic carboxylic acids, Manufacture of. H. A. Lubs, W. V. Wirth, L. Spiegler, and J. A. Bridgman. 2,497,130, Feb. 14.
Support: *See*—
  Coil support.
  Shoe sling back strap support.
  Tank truck support.
Support for writing instruments, Rolling. R. A. Schroeder, Jr. 2,497,418, Feb. 14.
Supporting means for milking apparatus. S. Daily. 2,497,299, Feb. 14.
Surface-bonding fibrous batts. C. Dreyfus. 2,497,117, Feb. 14.
Suspension hook. E. J. Lux. 2,497,615, Feb. 14.
Sweep or basket for tractor attachments, Hinged. T. J. Young, J. B. Rambo, and H. N. Young. 2,497,385, Feb. 14.
Swing joint. R. O. Monroe. 2,497,183, Feb. 14.
Switch: *See*—
  Electric switch.
  Five position lever switch.
  Magnetic switch.
  Thermostat switch.
Switch adjustment, Railroad. A. F. Huber. 2,497,502, Feb. 14.
Switch for starting-motors on automobiles, Automatic. L. F. Jezek. 2,497,222, Feb. 14.
Switch lockout mechanism. I. F. Peckham. 2,497,416, Feb. 14.
Switch seasoning and testing apparatus, Starter. L. H. Zyta. 2,497,525, Feb. 14.
Switching device, Automatic. B. A. Harvey and E. O. Peterson. 2,497,671, Feb. 14.
Synchronizing circuit. F. A. Lindley. 2,497,413, Feb. 14.
Synchronous motor. F. W. Schultz. 2,497,141, Feb. 14.
Synthesis of amines. A. T. Larson. 2,497,310, Feb. 14.
Synthesis of hydrocarbons. A. Clark. 2,497,761, Feb. 14.
Syringe, Ampoule. A. E. Smith. 2,497,563, Feb. 14.
Syringe, Disposable. A. E. Smith. 2,497,562, Feb. 14.
System for magnetically recording a modulated carrier in push-pull. S. J. Begun. 2,497,654, Feb. 14.
Take-up and folding mechanism. C. F. Miller. 2,497,786, Feb. 14.
Tamper and equalizer, Railroad ballast. W. H. Mertz. 2,497,682, Feb. 14.
Tank: *See*—
  Gasoline fuel reserve tank.
Tank attachment, Electric hot-water. D. C. O'Brien. 2,497,184, Feb. 14.
Tank gauge. S. Shakin. 2,497,694, Feb. 14.
Tank truck support. J. H. De Frees. 2,497,115, Feb. 14.
Tape construction. N. H. Shillman. 2,497,471, Feb. 14.
Tent. L. P. Frieder and W. S. Finken. 2,497,596, Feb. 14.
Terminal, Electrical. F. A. Wood. 2,497,484, Feb. 14.
Terminal equipment, Carrier. L. G. Erickson. 2,497,592, Feb. 14.
Testing device, Drill stem. C. E. Reistle, Jr. 2,497,185, Feb. 14.
Testing machine, Hydraulic. S. Webb. 2,497,193, Feb. 14.
Thermostat switch. G. F. Dales. 2,497,397, Feb. 14.
Thiophanthraquinone, Preparation of. V. Weinmayr. 2,497,334, Feb. 14.
3,5-dihalogen-2-cyanodiphenyls. S. R. Buc. 2,497,060, Feb. 14.
Tilemaking machine. C. M., C. O., and O Lee. 2,497,174, Feb. 14.
Timer. R. G. Olson. 2,497,466, Feb. 14.
Timer, Interval. G. W. Carmichael. 2,497,584, Feb. 14.
Timing system, Electronic. H. F. Mayer. 2,497,681, Feb. 14.
Timing system, Race. J. B. Ferrara. 2,497,541, Feb. 14.
Tin plate, Manufacture of. N. C. George and R. C. Haab. 2,497,164, Feb. 14.
Tire-changing apparatus, Circumferentially traveling type. S. S. Watkins. 2,497,644, Feb. 14.
Tire tread. E. A. Salcy. 2,497,518, Feb. 14.
Tires, Making pneumatic. G. K. McNeill. 2,497,226, Feb. 14.
Tires, Making vaned. R. W. Hursh. 2,497,774, Feb. 14.
Tool: *See*—
  Cutting tool.
  Edge tool.
  Garden tool.
  Internally applied expanding gripping tool.
  Package binding tool.
  Rotary cylinder abrading tool.
  Stud extractor tool.
Tool. A. R. Hite. 2,497,170, Feb. 14.
Tool and handle attaching means therefor. C. D. Budelman. 2,497,437, Feb. 14.
Tool kit, Vacuum cleaner attachment. M. W. Stoops. 2,497,477, Feb. 14.
Torque measuring wrench. H. R. Billeter. 2,497,756, Feb. 14.
Tow bar. S. Mylle. 2,497,234, Feb. 14.
Toy airplane headband. E. O. Bacon. 2,497,527, Feb. 14.
Toy, Construction. D. E. Cole. 2,497,657, Feb. 14.
Toy, Convertible rocker or wheel borne. M. and J. Leit. 2,497,265, Feb. 14.
Toy flatiron. M. Sorkin. 2,497,744, Feb. 14.
Toy gun, Continuous firing. H. Gilgoff. 2,497,723, Feb. 14.
Toy rubber band gun. A. Miller. 2,497,555, Feb. 14.
Transducer, Electromechanical. A. L. W. Williams. 2,497,108, Feb. 14.
Transfer device. M. Hallead. 2,497,767, Feb. 14.
Transformer system, Regulating. L. K. Hedding. 2,497,499, Feb. 14.
Transistor-microphone. R. L. Hanson. 2,497,770, Feb. 14.
Transmission. C. B. Godwin. 2,497,598, Feb. 14.
Transmission and control mechanism, Machine tool. J. B. Armitage, T. F. Eserkaln, and T. A. Wetzel. 2,497,842, Feb. 14.
Transmission system, Pulse. J. A. Krumhansl. 2,497,411, Feb. 14.
Transmitter, Automatic telegraph. L. E. Gardiner. 2,497,722, Feb. 14.
Transmitter-receiver connections in radio object-locating systems. J. R. Moore. 2,497,092, Feb. 14.
Tray, Ice. J. H. Roethel. 2,497,743, Feb. 14.
Treating a polymeric nitrile with hydrazine. H. W. Arnold. 2,497,526, Feb. 14.
Treatment of coffee, etc. L. B. Himmel and R. V. Bush. 2,497,501, Feb. 14.
Trimmer, Hedge. V. Decarlo. 2,497,211, Feb. 14.
Truck for railway cars, Stabilized lateral motion. C. P. Leese. 2,497,460, Feb. 14.
Truck, Hand. L. R. Denny. 2,497,440, Feb. 14.
Tube: *See*—
  Electric gas-discharge tube.
Tube apparatus, High-frequency discharge. D. Zaayer and E. G. Dorgelo. 2,497,809, Feb. 14.
Tube cleaning method, Electric precipitator. J. B. Jones and R. H. White. 2,497,171, Feb. 14.
Tube having carburized thoriated cathode, Electron. P. D. Williams. 2,497,111, Feb. 14.
Tubing cleaning device. T. J. Davis and V. B. Miller. 2,497,659, Feb. 14.
Tuning apparatus, Automatic. V. H. Wiley. 2,497,524, Feb. 14.
Turbine adjutage. A. G. M. Michell. 2,497,508, Feb. 14.
2-amino-5-substituted-1,3,4-thiadiazole, Making. G. W. Steahly. 2,497,825, Feb. 14.
2-chlorothiophanthraquinone. H. R. Lee and V. Weinmayr. 2,497,312, Feb. 14.
2-methyl-3,4-dihydroxy-5-phosphonoxy - methyl - pyridine and preparing same. D. H. Hoffman. 2,497,731, Feb. 14.
2-methyl-3-hydroxy - 4 - aminomethyl - 5 - hydroxymethylpyridine, Preparing. D. Heyl, S. A. Harris, and K. Folkers. 2,497,730, Feb. 14.
U-frame for ladies' handbags. S. McD. Henke. 2,497,353, Feb. 14.
Unloader, Vacuum cleaner dust bag. C. K. Brown, Jr. 2,497,581, Feb. 14.
Valve: *See*—
  Check valve.
  Modulating valve.
  Pressure control valve.
  Reducing thermal shock high-temperature valve.
  Relief valve.
Valve. L. E. Grosboll. 2,497,448, Feb. 14.
Valve. J. L. Hackathorn. 2,497,354, Feb. 14.
Valve assembly, Fluid. D. H. Reeves. 2,497,557-8, Feb. 14.
Valve structure, Vent. P. L. Mikeska. 2,497,181, Feb. 14.
Vapor-liquid contacting unit. J. A. Patterson. 2,497,136, Feb. 14.
Vaporizer. M. Katzman. 2,497,612, Feb. 14.
Vaporizing and dispensing liquefied gases, Method and apparatus for. T. H. Ransome. 2,497,793, Feb. 14.
Vehicle: *See*—
  Dump vehicle.
Vehicle body construction. H. A. Hicks. 2,497,261, Feb. 14.
Vending machine. J. Haumann. 2,497,219, Feb. 14.
Vending machine, Package. W. Von Stoeser. 2,497,748, Feb. 14.
Ventilating system with malodor reducing means, Air. A. W. Canney. 2,497,008, Feb. 14.
Vibratory therapeutic chair. W. L. Wettlaufer. 2,497,751, Feb. 14.
Vitamin E enriched oil, Preparing. W. D. McFarlane. 2,497,317, Feb. 14.
Voltmeter, Crest. C. W. Rainey. 2,497,272, Feb. 14.

Volume control for keyboard operated musical instruments, Automatic. E. W. Swedien. 2,497,331, Feb. 14.
Warning device for airplanes, Stall. G. L. Fleming. 2,497,494, Feb. 14.
Washer: *See*—
Window washer.
Waterproof stocking and shoe protector. W. E. Baker. 2,497,528, Feb. 14.
Wattmeter, High-frequency. T. Moreno. 2,497,093, Feb. 14.
Weft replenishing mechanism for looms. O. J. Le Blanc and R. S. Schedin. 2,497,613, Feb. 14.
Wheel adjusting and removing device. W. T. Allen. 2,497,148, Feb. 14.
Wheel gauge. T. Weber. 2,497,481, Feb. 14.
Wheel jacking apparatus. G. Gustafson. 2,497,726, Feb. 14.
Wheel suspension. J. W. Leighton. 2,497,459, Feb. 14.
Wheel suspension, Torsion spring. A. B. Cooper. 2,497,072, Feb. 14.
Winch. J. Helstrom. 2,497,603, Feb. 14.
Windup and release, Cloth roll. A. J. Fiset and C. D. Brown. 2,497,120, Feb. 14.
Winding, Electrical. G. H. Phelps. 2,497,516, Feb. 14.
Window construction. E. D. Scott and T. W. Stephenson. 2,497,276, Feb. 14.
Window provision box. J. H. Meagher. 2,497,463, Feb. 14.
Window washer. U. Kolchinsky. 2,497,674, Feb. 14.
Work driving mechanism for lathes. R. R. Roberts. 2,497,690, Feb. 14.
Worktable adapted for office work. B. T. Söderlund. 2,497,278, Feb. 14.
Wrench: *See*—
Torque measuring wrench
Wringer having carrying handle fixed to pivoted support for rollers, Roller mop. J. A. Poirier and W. Rombach. 2,497,468, Feb. 14.
X-ray tube with movable directing cone. D. E. Berggren. 2,497,755, Feb. 14.
Yarn conditioning. C. F. Chandler. 2,497,536, Feb. 14.
Zirconium carrying alloying substance. E. F. Emley, C. Jessup, and P. A. Fisher. 2,497,537, Feb. 14.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 14, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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Classification of Designs

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Patents	785	No. 2,497,843	to No. 2,498,627,	inclusive
Designs	145	No. 157,316	to No. 157,460,	inclusive
Total	1,298			

Patents expiring: Patent Numbers 1,897,992 to 1,898,993, inclusive, issued February 21, 1933, expire February 21, 1950

Condition of Applications Under Examination at Close of Business Feb. 3, 1950

Total number of patent applications awaiting action, 139,280. Date of oldest new application, March 19, 1948; date of oldest amended application, February 5, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	3-25-49	5-22-48	3627
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	11-30-48	3-4-48	2489
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	9-7-49	8-23-49	695
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	11-18-48	2-5-48	2619
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	4-14-49	6-7-48	1559
6. SURLE, H., Carbon Chemistry (part)	5-16-49	3-29-49	1564
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	6-24-49	6-4-49	1217
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	6-12-48	3-12-48	2689
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-31-48	4-21-48	2208
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	5-16-49	2-7-49	1237
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	1-21-49	2-10-48	1987
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-26-49	4-13-48	1736
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	8-13-48	8-9-48	1780
14. MANIAN, JOSEPH C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery	4-21-49	1-21-49	1179
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-5-49	12-15-48	1504
16. LOVEWELL, N. N., Television; Telephony	5-10-49	1-15-49	1078
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	8-30-48	4-2-48	2267
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	1-3-49	5-29-48	2524
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-15-49	8-2-48	1433
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	2-14-49	5-17-48	1952
21. MADER, R. C., Textiles	11-12-48	11-6-48	1470
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	10-7-48	6-23-48	1242
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-27-49	10-14-48	808
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	3-3-49	3-4-49	2509
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-3-49	10-20-48	1674
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	5-7-49	4-5-49	980
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-20-48	2-1-48	3108
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-4-49	9-17-48	1829
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-27-48	4-26-48	3060
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	6-3-49	6-3-49	1753
31. BUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-20-49	5-11-49	2031
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	4-15-49	12-14-48	1753
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	9-22-48	6-11-48	4009
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	2-7-49	9-15-48	1210
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	2-17-49	2-25-48	2182
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-23-48	3-1-48	1948
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	2-3-49	8-12-48	1094
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber; Preserving apparatus (part).	4-6-49	1-26-49	1522
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	4-20-49	3-2-48	3026
40. DRUMMOND, E. J., Receptacles (part); Packages	4-30-49	8-19-48	3237
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-11-49	5-5-48	2095
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	1-3-49	11-12-48	2212
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	4-2-49	3-5-49	1012
44. HARVEY, L. P., Beds; Chairs, Seats	7-24-48	2-24-48	2123
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-6-49	8-20-48	2410
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	10-13-48	6-24-48	1806

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 139,280. Date of oldest new application, March 19, 1948; date of oldest amended application, February 5, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	5-11-49	11-16-48	2055
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	5-6-49	7-9-48	1376
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	12-3-48	7-12-48	2156
50. LEVIN, SAMUEL, Synthetic Resins	6-18-49	4-11-49	1810
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-7-49	1-4-49	1333
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-1-48	5-25-48	3755
53. BRINDISI, M.V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-10-49	9-23-48	1740
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-20-49	12-11-48	1189
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	5-5-49	2-2-49	1497
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	5-6-49	2-5-49	1980
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	4-2-49	7-7-48	1902
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-25-49	6-28-48	1684
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	2-14-49	8-16-48	1341
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	7-9-49	2-4-49	1030
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-19-48	2-19-48	2539
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	5-6-49	6-30-48	2510
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-24-49	2-16-49	2056
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	7-14-49	7-5-49	1600
65. MORSE, EXCELLENZA, L., (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination.	5-10-49	8-16-48	2024
66. LISANN, I., Geometrical Instruments	1-25-49	3-2-48	1660
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	5-4-49	11-20-48	1610
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	6-17-49	4-2-49	1305
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	5-5-49	5-20-48	2057
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	5-10-49	12-4-48	2158
DESIGNS: BREHM, G. L.	6-15-48	7-21-49	5988

Total number of trade-mark applications awaiting action (including renewals and republications), 27,318. Date of oldest new application, Jan. 19, 1949; date of oldest amended application, Jan. 5, 1949.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	2-1-49	2-2-49	4252
2. KASCHUB, H. E., Class 46	2-1-49	2-10-49	4002
3. SUMMERS, G. S., Classes 21, 23, 26	1-19-49	7-12-49	3352
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	2-1-49	1-20-49	4325
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	2-2-49	1-10-49	3309
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	2-18-49	5-12-49	4343
7. KEYS, O. M., Classes 2, 16, 19, 36, 55	2-2-49	1-5-49	2924
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-25-49	12-12-49	477
	12-9-49	12-12-49	334

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MARIANI

No. 5598. Decided Sept. 30, 1949

[177 F.2d 293; 83 USPQ 308]

1. PATENTABILITY — INVENTION — COMBINING REFERENCES—ANALOGOUS OR NON-ANALOGOUS ART.

Where the appealed claims are rejected on J in view of P, and the gravamen of the allegations of error in the reasons of appeal is that the P patent is in a field of art non-analogous to the field of appellant's application, *Held* that, without expressing any view upon the question of non-analogous art, the rule that disclosure of such art may not be ignored on the question of invention is directly in point in this case.

2. SAME—PARTICULAR SUBJECT MATTER—FRUIT JUICE EXTRACTOR.

Certain claims for an alleged invention in a fruit juice extractor *Held* properly rejected on the prior art.

APPEAL from Patent Office. Serial No. 604,826.

AFFIRMED.

Charles M. Palmer for Mariani.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.*:

Thirteen claims in appellant's application for patent for a fruit juice extractor were allowed by the Primary Examiner, but he rejected ten others for reasons hereinafter stated, and the Board of Appeals affirmed his rejection. By appeal appellant brings the case before us seeking review and reversal of the Board's decision.

The appealed claims are divisible into two groups, the first group embracing those numbered 1 to 5, inclusive, and the second group embracing those numbered 13 to 16, inclusive, and 18.

The Board of Appeals and appellant treated claims 3 and 14 as illustrative of the respective groups. In his brief before us the Solicitor for the Patent Office expressed the belief that claims 1 and 13 are more representative of both of the groups and "of the subject matter for which patent protection is sought." In view of the nature of the issues involved, the differences between the several claims do not seem to us to be of any particular importance and we follow the Board's action in quoting Nos. 3 and 14.

3. In a juice extractor, a base, a column carried by said base, a juice collecting and draining receptacle sustained by said column, an anvil mounted in said receptacle, a pressure applying member, driving means for actuating said member towards or away from said anvil, a control lever for operating said driving means, guide means secured to said base, a balancer movably controlled by said guide means and adapted to be withdrawn from or retracted within said base, and means to limit displacement of said balancer relative to said base.

14. In a juice extractor, a base, a column carried by said base, a juice collecting and draining receptacle sustained by said column, an anvil mounted in said receptacle, a pressure applying member, driving means for actuating said member towards or away from said anvil, control means comprising a housing for operating said driving means, a handle slidably guided by said housing and adapted to be withdrawn from or retracted into said housing, guide means carried by said base, and a bar slidably controlled by said guide means and having a manipulator for withdrawing or retracting said bar relative to said guide means.

There are no distinctions between the claims of the respective groups which require separate consideration of any particular claims—that is, all the claims of each group stand or fall together.

The following patents were cited as references. Palmer 250,165, November 29, 1881; Poehls, 1,782,313, November 18, 1930; Johnson, 2,090,913, August 24, 1937.

In his official statement following the appeal to the Board, the Primary Examiner described appellant's device in great detail, and both the Board and the Solicitor rely upon his description without themselves describing it. Certain of the details were of importance in connection with the claims that were allowed, but are of no particular importance here. The claims above quoted seem to us fully descriptive and but little explanation is necessary.

We think it clear that every element named in claims 1 to 5, inclusive, composing the first group, is disclosed in the Johnson patent, except the "balancing" feature designated in claim 1 as "adjustable means for stabilizing said base against tilting of said extractor," and in claim 3 as "means to limit displacement of said balancer relative to said base."

We also think it clear that every element named in claims 13 to 16, inclusive, and 18, composing the second group, is disclosed in the Johnson patent, except the slidable handle feature identified in claim 14, supra, as "a handle slidably guided by said housing and adapted to be withdrawn from or retracted into said housing, and by substantially similar phraseology in claim 13 and other claims of the second group.

The following from the decision of the Board clearly states the situation as we view it:

In order to provide for an increased mechanical advantage and a consequent easier extraction of the juice from fruit such as oranges, appellant has modified a juice extractor of the general type as represented by the patent to Johnson by the provision therein of an extensible han-

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dle, and, because a handle of increased length would tend to tip or tilt the device, has also added thereto an extensible base member which when extended increases the size of the supporting base and tends to prevent tipping upon use of the operating handle in extended position.

[1] So, the two groups of claims were rejected on Johnson in view of Poehls and Palmer. Specifically, the first group, composed of claims 1 to 5, inclusive, seems to have been rejected on Johnson in view of Poehls, and the second group 13 to 16, inclusive, and 18, on Johnson in view of Palmer.

None of appellant's reasons of appeal challenges the holding as to the Johnson patent disclosing all the elements, except the extensible handle and balancing features defined in the appealed claims, and the gravamen of the allegations of error in the reasons of appeal is that both the Poehls and Palmer patents are in fields of art not analogous to the field of appellant's application.

The Palmer patent is for a fishing reel, the pertinent feature of which appears to be "an extensible crank for increasing the length of leverage when necessary when reeling in the line, the extension-arm being adapted to be withdrawn to shorten the lever to ordinary length while casting out the line."

The Poehls patent relates to an adjustable base for automobile jacks. The pertinent feature of it appears to be a slidable part adapted to be connected with or added to the normal base of the jack so that an enlarged base for supporting the jack may be had when wished. Naturally, a broad base is a protection against the jack sinking and against its tilting under weight imposed upon it.

It seems to us that appellant may have misunderstood the exact theory underlying the decisions of the respective tribunals of the Patent Office. We do not understand their rejection to be based simply upon the showing of the extensible feature of the fishing rod and the provision of a broader base for the automobile jack. Both tribunals seem to us to have held, in effect, that the features claimed to be novel are not in fact novel but are scientific necessities—or, at least, scientifically desirable and well known to those skilled in the art—and the particular patents were cited as being illustrative of the adaptation of well known scientific principles to practical uses.

Thus, the Primary Examiner says:

> The features relied on in Poehls and Palmer apply to machines generally. An adequate supporting structure is desirable in all machines and not merely in orange juicers. It is not a problem which is peculiar to an orange juicer. So, also, the operating handle of Palmer is capable of general application. Thus, the features of alleged novelty in the appealed claims are not peculiar to a fruit juicer, but are of general application.

It is true that the Primary Examiner, citing *In re Kylstra*, 24 CCPA (Patents) 938, 87 F.2d 487, 32 USPQ 382, 481 O. G. 683, further says:

> If the elements and purposes in one art are related and similar to those in another art to such an extent as to make an appeal to the mind of a person having mechanical skill or knowledge in the second art, the two arts must be said to be analogous.

The Board, while affirming the decision of the Primary Examiner, does not expressly rule upon the contention respecting analogous art, but it does say:

> • • • Moreover, even were Poehls and Palmer to be considered non-analogous art, we see in the use or adoption from such art [of] the features herein under consideration only an obvious exercise of ordinary mechanical skill, and such use would not amount to any invention.

The Board cites the case of *In re O'Connor*, 34 CCPA (Patents) 1055, 161 F.2d 221, 73 USPQ 433, 603 O. G. 194, wherein this court speaking through Jackson, Judge, said:

> Even though it should be held that the • • • [reference] patents are in nonanalogous art, nevertheless their disclosures may not be ignored. There would still be no invention in the method claimed in one art if it were within the exercise of the skill of the worker in that art to make use of a [the] method in a nonanalogous art. *Potts* v. *Creager*, 155 U. S. 597, cited with approval in *In re Kylstra*, 24 CCPA (Patents) 938, 87 F.2d 487, 32 USPQ 382.

[2] Without expressing any view upon the question of non-analogous art, as here presented by appellant, we are of opinion that the rule laid down in the O'Connor case, supra, is directly in point in this case and that the decision of the Board should be affirmed.

It is so ordered.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

NOTICES

Disclaimers

2,015,125.—*Herbert Spencer Polin*, Port Washington, Long Island, N. Y. HYGROMETER. Patent dated Sept. 24, 1935. Disclaimer filed Jan. 25, 1950, by the assignee, *Polin, Inc.*

Hereby enters this disclaimer to claim 1 of said patent.

2,375,756.—*John R. Bates*, Swarthmore, Pa. CATALYSIS. Patent dated May 15, 1945. Disclaimer filed Jan. 20, 1950, by the assignee, *Houdry Process Corporation.*

Hereby disclaims claim 2 of said patent but does not disclaim the phraseology or method of claim 2 as the same is incorporated in, limited by and made part of dependent claim 3

2,421,747.—*George B. Engelhardt*, Hartsdale, N. Y. OBJECT LOCATING SYSTEM. Patent dated June 10, 1947. Disclaimer filed Jan. 20, 1950, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claims 6 and 7 of said patent.

2,446,810.—*Leonard W. Cook*, Stratford, Conn. ELECTRIC BLANKET AND CONTROL THEREFOR. Patent dated Aug. 10, 1948. Disclaimer filed Jan. 18, 1950, by the assignee, *General Electric Company.*

Hereby disclaims claims 1, 2, 3, 4, 5, and 7.

Classification Order No. 62

The following transfers are hereby ordered to take effect Monday, February 6, 1950:

Class 21, Preserving, Disinfecting and Sterilizing—
Subclasses 62 through 73, from Division 59 to Division 38.
Subclasses 2 through 61, and 74 through 127, from Division 59 to Division 43.

Class 260, Chemistry, Carbon Compounds—
Subclasses 327 through 348.6, from Division 63 to Division 6.

THOMAS F. MURPHY,
Jan. 30, 1950. *Assistant Commissioner of Patents.*

Interference Notices

Hercules Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Quaker Rubber Corporation, Comly and Milnor Streets, Philadelphia 24, Pa., and Page Belting Company, Eastman Street, Concord, N. H., for registration of a trade-mark and Registration No. 352,960, issued December 21, 1937, to Hercules Company, 3701 N. Broad Street, Philadelphia, Pa., and the notice of such declaration sent by registered mail to the said Hercules Company at the said address of record having been returned by the Post Office undeliverable, notice is hereby given that unless Hercules Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOS. E. DANIELS,
Jan. 31, 1950. *Assistant Commissioner of Patents.*

The Sheldon Company, Incorporated, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Harris & Gordon, 535 Mission Street, San Francisco 5, Calif., and The Sheldon Company, Incorporated, 416 New York Life Building, Minneapolis, Minn., for registration of a trade-mark. The assignment records of this Office show a transfer of title to The Sheldon-Detroit Corporation, Minneapolis, Minn., who have been substituted for said The Sheldon Company, Incorporated. The Office having been unable to obtain satisfactory service upon the assignee, notice is hereby given that unless said The Sheldon Company, Incorporated, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

American Telephone and Telegraph Company has placed the following 234 patents on the Register as available for licensing. More than 8,000 patents previously registered by the same company were published in the OFFICIAL GAZETTE during 1949. A statement of the Company's policy in licensing its patents was published in the GAZETTE of Feb. 15, 1949.

The present listing includes Reg. Nos. 33,663 through 33,896. Groups 28—83; 35—69; 86—11—19—31—61—62.

Inquiries concerning licenses should be addressed to Patent Licensing Division, Western Electric Company, Inc., 195 Broadway, New York 7, N. Y.

The following 234 patents are primarily concerned with telephone and telegraph communication or related fields. Included among the patents are electron discharge devices, oscillators, code translators, wave length meters, magnetic reproducers using endless tape records, automatic transmitters, teletypewriters, etc. Miscellaneous patents covered consist of wire-twisting devices, heating units, drop wire clamps, reels, welding electrodes, lapping machines, porcelain enamel, thermoplastic cement, and many others.

Re. Pat. 20,800. Ferrous Alloy. July 19, 1938. (Original Pat. 1,904,859, Apr. 18, 1933.)

Pat. 2,113,713. Warning Device for Manholes. Apr. 12, 1938.

Pat. 2,159,222. Apparatus for Coating Strands. May 23, 1939.

Pat. 2,227,580. Acoustic Device. Jan. 7, 1941.

Pat. 2,373,156. Standard for Electrical Measurements. Apr. 10, 1945.

Pat. 2,466,062. Electron Discharge Device. Apr. 5, 1949.

Pat. 2,466,080. Selective Control Apparatus. Apr. 5, 1949.

Pat. 2,466,112. Compressional Wave Translating Device. Apr. 5, 1949.

Pat. 2,466,354. Directional Radio System. Apr. 5, 1949.

Pat. 2,466,390. Secret Telegraph Systems. Apr. 5, 1949.

Pat. 2,466,417. Covering Cores. Apr. 5, 1949.

Pat. 2,466,439. Resonant Wave Guide Switching. Apr. 5, 1949.

Pat. 2,466,484. Subscriber Ringing Circuit. Apr. 5, 1949.

Pat. 2,466,765. Magnetron Inductive Tuner Employing Variably Spaced Parallel Plate Transmission Line. Apr. 12, 1949.

Pat. 2,466,879. Slant Range Computing Circuit. Apr. 12, 1949.

Pat. 2,466,880. Speech Analysis and Synthesis System. Apr. 12, 1949.

Pat. 2,466,891. Universal Telegraph Repeater. Apr. 12, 1949.

Pat. 2,466,904. Stabilized Oscillator. Apr. 12, 1949.

Pat. 2,466,920. Code Translator. Apr. 12, 1949.

Pat. 2,466,922. Electron Discharge Devices. Apr. 12, 1949.

Pat. 2,467,081. Article Supporting Fixture. Apr. 12, 1949.

Pat. 2,467,101. Magnetic Cores. Apr. 12, 1949.

Pat. 2,467,103. Article Holding Apparatus. Apr. 12, 1949.

Pat. 2,467,104. Wave Length Meter. Apr. 12, 1949.

Pat. 2,467,292. Support for Conductors of Signal Transmission Lines. Apr. 12, 1949.

Pat. 2,467,299. High Frequency Transmission System. Apr. 12, 1949.

Pat. 2,467,310. Anti-Kickoff Device for Telegraph Repeaters. Apr. 12, 1949.

Pat. 2,467,319. Unitary Range, Azimuth, and Elevation Alignment Indicator for Radar Systems. Apr. 12, 1949.

Pat. 2,467,325. Electro-Optical Light Valve of Ammonium Dihydrogen Phosphate Crystal. Apr. 12, 1949.

Pat. 2,467,329. Rectifying Apparatus. Apr. 12, 1949.

Pat. 2,467,347. Regulated Current Supply Apparatus. Apr. 12, 1949.

Pat. 2,467,566. Message Information Storage Device. Apr. 12, 1949.

Pat. 2,468,154. Permeability Determination. Apr. 26, 1949.

Pat. 2,468,179. Tracking Device. Apr. 26, 1949.

Pat. 2,468,193. Torque Limiting Device. Apr. 26, 1949.

Pat. 2,468,200. Averaging Device. Apr. 26, 1949.

Pat. 2,468,224. Magnetic Reproducer Using Endless Tape Records. Apr. 26, 1949.

Pat. 2,468,273. Automatic Transmitter. Apr. 26, 1949.

Pat. 2,468,286. Tool for Assembling Compressible Grommets in Openings. Apr. 26, 1949.

Pat. 2,468,294. Material Working Apparatus. Apr. 26, 1949.

Pat. 2,468,299. Supervisory Signaling in Telephone or Like Switching Systems. Apr. 26, 1949.

Pat. 2,468,300. Automatic Telephone System. Apr. 26, 1949.

Pat. 2,468,301. Effective Contouring of Piezoelectric Crystal Elements. Apr. 26, 1949.

Pat. 2,468,302. Quadrature Phase Shifting Circuit. Apr. 26, 1949.

Pat. 2,468,305. Signaling System. Apr. 26, 1949.

Pat. 2,468,429. Selective Message Register System. Apr. 26, 1949.

Pat. 2,468,454. Acoustic Wave Filter With Resistive Termination Including Side Branch Chamber. Apr. 26, 1949.

Pat. 2,468,462. Telegraph Transmitter Control Mechanism. Apr. 26, 1949.

Pat. 2,468,474. Sound Regulator for Telephone Ringers. Apr. 26, 1949.

Pat. 2,468,574. Selective Control of Printer Motors at Outlying Telegraph Stations. Apr. 26, 1949.

Pat. 2,468,594. Thermoplastic Cement. Apr. 26, 1949.

Pat. 2,468,837. Magnetostrictive Transducer. May 3, 1949.

Pat. 2,468,850. Voltage Regulation. May 3, 1949.

Pat. 2,468,968. Magnetic Field Strength Indicator. May 3, 1949.

Pat. 2,469,176. Current Supply Apparatus. May 3, 1949.

Pat. 2,469,280. Voltage Regulator Tube Circuit. May 3, 1949.

Pat. 2,469,465. Testing Adjustable Resistances. May 10, 1949.

Pat. 2,469,470. Plating Machine. May 10, 1949.

Pat. 2,469,539. Radio Control System. May 10, 1949.

Pat. 2,469,563. Lapping Machine. May 10, 1949.

Pat. 2,469,565. Forming Metal Tape Into Tubular Conductors. May 10, 1949.

Pat. 2,469,569. Point Contact Negative Resistance Devices. May 10, 1949.

Pat. 2,469,829. Measuring Frequency. May 10, 1949.

Pat. 2,469,837. Wave Translating Systems. May 10, 1949.

Pat. 2,469,843. Electron Transit Time Tube. May 10, 1949.

Pat. 2,469,964. Electron Discharge Apparatus. May 10, 1949.

Pat. 2,469,974. Telephone Calling Dial. May 10, 1949.

Pat. 2,469,977. Pulser Circuit. May 10, 1949.

Pat. 2,469,993. Locking Device. May 10, 1949.

Pat. 2,470,002. Testing Telephone Calling Dials. May 10, 1949.

Pat. 2,470,145. Multifrequency Signaling System. May 17, 1949.

Pat. 2,470,468. Ground Trainer for Aircraft. May 17, 1940.

Pat. 2,470,542. Electrical Power Supply. May 17, 1949.

Pat. 2,470,635. Gauge for Checking the Positions of Parts Mounted on the Inner Peripheries of Cylindrical Articles. May 17, 1949.

Pat. 2,470,636. Gauging Apparatus. May 17, 1949.

Pat. 2,470,825. Electrical Contact Protection Network. May 24, 1949.

Pat. 2,470,826. Fixed Capacitor. May 24, 1949.

Pat. 2,470,838. Power Supply System. May 24, 1949.

Pat. 2,470,922. Work Distributing Conveyor System. May 24, 1949.

Pat. 2,471,087. Toll Operator Control for Telephone Coin Collectors. May 24, 1949.

Pat. 2,471,262. Multiplying Voltages. May 24, 1949.

Pat. 2,471,263. Ionic Discharge Device. May 24, 1949.

Pat. 2,471,264. Radio Object Location System. May 24, 1949.

Pat. 2,471,268. Index Pulse Generating Circuit. May 24, 1949.

Pat. 2,471,278. Gun Sight Control. May 24, 1949.

Pat. 2,471,284. Directive Antenna System. May 24, 1949.

Pat. 2,471,299. Cable Forming Machine. May 24, 1949.

Pat. 2,471,315. Aircraft Trainer for Aerial Gunners. May 24, 1949.

Pat. 2,471,324. Advancing Non-Metallic Plastic Material. May 24, 1949.

Pat. 2,471,347. Conveyer. May 24, 1949.

Pat. 2,471,419. Tunable Resonant Cavity With Adjustable Walls. May 31, 1949.

Pat. 2,471,516. Plan Position Indicating System and Method. May 31, 1949.

Pat. 2,471,625. Electrical Mounting Device. May 31, 1949.

Pat. 2,471,712. Intercommunication Teletypewriter System. May 31, 1949.

Pat. 2,471,891. Two-Way Regenerative Repeater. May 31, 1949.

Pat. 2,471,966. Ground Trainer for Aircraft Personnel. May 31, 1949.

Pat. 2,471,967. Piezoelectric Type Switching Relay. May 31, 1949.

Pat. 2,471,970. Wiring Device. May 31, 1949.

Pat. 2,471,973. Tape Supporting Means for Strand Covering Machines. May 31, 1949.

Pat. 2,471,976. Voltage Regulation. May 31, 1949.

Pat. 2,471,978. Apparatus for Oiling Parts. May 31, 1949.

Pat. 2,472,151. Counterbalancing Apparatus. June 7, 1949.

Pat. 2,472,158. Radio Beacon System. June 7, 1949.

Pat. 2,472,173. Welding Electrode. June 7, 1949.

Pat. 2,472,510. Wire Twisting Device. June 7, 1949.

Pat. 2,472,527. Drop Wire Clamp. June 7, 1949.

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Pat. 2,472,566. Motor Control Circuit. June 7, 1949.

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Pat. 2,472,715. Piezoelectric Crystal Apparatus. June 7, 1949.

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Pat. 2,473,346. Teletypewriter Exchange System. June 14, 1949.

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Pat. 2,473,682. Angle Measuring Mechanism. June 21, 1949.

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Pat. 2,474,485. Magnetron Oscillator. June 28, 1949.

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Pat. 2,476,323. Multielectrode Modulator. July 19, 1949.

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Pat. 2,476,864. Telegraph Repeater. July 19, 1949.

Pat. 2,476,875. High Efficiency Amplitude Modulation. July 19, 1949.

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Pat. 2,477,129. High-Frequency Induction Brazing Apparatus. July 26, 1949.

Pat. 2,477,139. Conducting Bearing. July 26, 1949.

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Pat. 2,477,246. Submarine Signaling Device. July 26, 1949.

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Pat. 2,477,821. Photoelectric Multiplex System. Aug. 2, 1949.

Pat. 2,477,832. Automatic Transmitter. Aug. 2, 1949.

Pat. 2,477,955. Connector. Aug. 2, 1949.

Pat. 2,478,413. Distributing Apparatus. Aug. 9, 1949.

Pat. 2,478,414. Breakdown Testing Apparatus. Aug. 9, 1949.

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Pat. 2,479,924. Making Electrical Conductor Cables. Aug. 23, 1949.

Pat. 2,479,928. Twisting Apparatus. Aug. 23, 1949.

Pat. 2,479,949. Centralizing Strip Material. Aug. 23, 1949.

Pat. 2,479,950. Centralizing Strip Material. Aug. 23, 1949.

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Pat. 2,480,364. Assembling and Sealing Glass and Metal Parts. Aug. 30, 1949.

Pat. 2,480,462. Tunable Magnetron. Aug. 30, 1949.

Pat. 2,480,489. Scratch Brushing Apparatus for Cleaning Portions of Circular Articles. Aug. 30, 1949.

Pat. 2,480,499. Broaching Apparatus. Aug. 30, 1949.

Pat. 2,480,594. Adjustable Cam Device. Aug. 30, 1949.

Pat. 2,480,878. Telegraph Signal Distortion Measuring Apparatus and System. Sept. 6, 1949.

Pat. 2,480,995. Electrical Potentiometer Device. Sept. 6, 1949.

Pat. 2,481,003. Protective Arrangement for Switch Contacts. Sept. 6, 1949.

Pat. 2,481,081. Means for Aligning Type-Pallets. Sept. 6, 1949.

Pat. 2,481,112. Teletypewriter Permutation Code Signal Combination Counter. Sept. 6, 1949.

Pat. 2,481,221. Signaling System. Sept. 6, 1949.

Pat. 2,481,247. Visual Representation of Complex Waves. Sept. 6, 1949.

Pat. 2,481,354. Bias Indicator. Sept. 6, 1949.

Pat. 2,481,430. Pressure Seal for Rotary Joints. Sept. 6, 1949.

Pat. 2,481,458. Cathode-Ray Device. Sept. 6, 1949.

Pat. 2,481,473. Lead Borosilicate Enamel. Sept. 6, 1949.

Pat. 2,481,474. Porcelain Enamel. Sept. 6, 1949.

Pat. 2,481,644. Transformer Responding to Variations in Amplitude of Input Waves. Sept. 13, 1949.

Pat. 2,481,646. Variable Delivery Gear Pump. Sept. 13, 1949.

Pat. 2,481,648. Combining Variable Quantities. Sept. 13, 1949.

Pat. 2,481,653. Driving Mechanism for Article Forming Apparatus. Sept. 13, 1949.

Pat. 2,481,655. Locating Faults in Cables. Sept. 13, 1949.

Pat. 2,481,667. Electro-Optical System. Sept. 13, 1949.

Pat. 2,481,915. Power Line Carrier Wave Communication System. Sept. 13, 1949.

Pat. 2,481,919. Multiway Regenerative Repeater System. Sept. 13, 1949.

Pat. 2,481,932. Supervisory Signaling in Telephone Systems. Sept. 13, 1949.

Pat. 2,482,158. Directive Antenna System. Sept. 20, 1949.

Pat. 2,482,162. Directive Microwave Antenna. Sept. 20, 1949.

Pat. 2,482,173. Test Circuit. Sept. 20, 1949.

Pat. 2,482,178. Composite Structure for Forming a Seal With Glass. Sept. 20, 1949.

Pat. 2,482,214. Connecting Plug. Sept. 20, 1949.

Pat. 2,482,264. Telegraph System. Sept. 20, 1949.

Pat. 2,482,271. Printing Arrangement for Merchandising Control System. Sept. 20, 1949.

Pat. 2,482,364. Device for Heat-Treating Magnetic Materials. Sept. 20, 1949.

Pat. 2,482,373. Stabilized System. Sept. 20, 1949.

Pat. 2,482,379. Material Cutting Apparatus. Sept. 20, 1949.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 21, 1950

[VOL. 631. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 510,948. GUYAN EAGLE COAL COMPANY, Amherstdale, W. Va. Filed Oct. 16, 1946.



The lining or cross-hatching of which is for shading only. No claim is made to the words "Island Creek, Guyan Eagle Coal Company, Amherstdale, W. Va." apart from the mark shown.

FOR COAL.

Claims use since 1929.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 525,515. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill. Filed July 2, 1947.

ADLAKE

FOR CURTAIN HARDWARE BRACKETS; WINDOW CURTAIN HARDWARE FIXTURES; WINDOW SHADE HARDWARE; FAUCETS; COAT AND HAT RACKS IN THE NATURE OF HOOKS; TOWEL RACKS IN THE NATURE OF HOOKS; SOAP DISHES AND SOAP DISPENSERS, BOTH ADAPTED TO BE AFFIXED TO A WALL OR OTHER PERMANENT STRUCTURE; LAVATORIES AND WASHSTANDS; COMB AND BRUSH RACKS ADAPTED TO BE AFFIXED TO A WALL; TOILET HOPPERS, SEATS, AND BOWLS; METAL TICKET HOLDERS ADAPTED TO BE AFFIXED TO THE REAR OF A SEAT; SEAT BACK BUMPERS; COIL SPRINGS; METAL WASHERS; GRAB HANDLES AND GRAB BARS; METAL CUSPIDORS; DOOR HOLDERS; DOOR HANGERS; DOOR ROLLERS AND BUMPERS; MIRROR FRAMES; METAL BELL CORD HANGERS; HASPS; HINGES; TOILET PAPER HOLDERS ADAPTED TO BE AFFIXED TO A WALL; METAL FRAMES FOR NOTICES; METAL HOOKS FOR HOLDING A TABLE TO A WALL; BELL CORD HOOKS; BELL CORD HOLDERS; CABIN DOOR HOOKS; DOOR PUSH PLATES; SASH STOPS; SASH OPENERS; BERTH PULLEYS; NON-ELECTRIC SIGNAL BELLS; DECK SASH PIVOTS; SASH LOCK STOPS; DECK SASH CATCHES AND QUADRANTS; DECK SASH RATCHETS; DECK SASH PIVOTS; SASH LOCK STOPS; SASH BALANCES; AND SASH LIFTS.

Claims use since September 1895.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 517,778. DECCA RECORDS, INC., New York, N. Y. Filed Feb. 19, 1947.



FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.

Claims use since Jan. 27, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 506,990. ROBERT DINNAT, doing business under the trade name and style of Bob Dinnat's Bakery, Alexandria, La. Filed Aug. 7, 1946.

Z-RO-DO

The descriptive word "Do" is disclaimed apart from the mark as shown.

FOR FROZEN, UNCOOKED CAKE BATTERS AND BREAD AND ROLL DOUGHS.

Claims use since Feb. 2, 1946.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 510,232. CADORICIN SOCIETE ANONYME, Seine, France. Filed Oct. 4, 1946.

CADORICIN

FOR SHAMPOOS, HAIR TONICS, TOILET WATER FOR THE HAIR, TOILET POWDER FOR HAIR DRESSING, HAIR LOTIONS, BRILLIANTINE, HAIR DYES, CHEMICAL WAVE SETS, PREPARATION FOR CLEANSING, MASSAGING, AND CONDITIONING THE HUMAN SCALP AND HAIR, PREPARATION FOR PREPARATORY TREATMENT OF THE HUMAN HAIR AND SCALP IN CONNECTION WITH THE APPLICATION OF ARTIFICIAL HAIR WAVES, PREPARATION FOR APPLICATION TO THE HAIR FOR PRODUCING "HOT WAVES" AND "COLD WAVES," ESSENTIAL PERFUME OILS, DENTIFRICES.

Claims use since 1928.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 510,232. CADORICIN SOCIETE ANONYME, Seine, France. Filed Oct. 4, 1946. (Classified in Class 51.)

CADORICIN

FOR SHAMPOOS, HAIR TONICS, TOILET WATER FOR THE HAIR, TOILET POWDER FOR HAIR DRESSING, HAIR LOTIONS, BRILLIANTINE, HAIR DYES, CHEMICAL WAVE SETS, PREPARATION FOR CLEANSING, MASSAGING, AND CONDITIONING THE HUMAN SCALP AND HAIR, PREPARATION FOR PREPARATORY TREATMENT OF THE HUMAN HAIR AND SCALP IN CONNECTION WITH THE APPLICATION OF ARTIFICIAL HAIR WAVES, PREPARATION FOR APPLICATION TO THE HAIR FOR PRODUCING "HOT WAVES" AND "COLD WAVES," ESSENTIAL PERFUME OILS, DENTIFRICES.

Claims use since 1928.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 566,254. WESTERN PERLITE CORPORATION, Phoenix, Ariz. Filed Oct. 1, 1948.

WES PERL

FOR PERLITE.

Claims use since Sept. 7, 1948.

Ser. No. 566,715. PENNSYLVANIA CHRISTMAS TREE GROWERS ASSOCIATION, Harrisburg, Pa. Filed Oct. 8, 1948. COLLECTIVE MARK.

PENNSYLVANIA Christmas TREE GROWERS ASSOCIATION

"Plantation Quality"

All of the wording in the keystone, the word "Quality," and the representation of a Christmas tree are disclaimed apart from the mark as shown.

FOR CHRISTMAS TREES, BOTH CUT AND WITH ROOTS ATTACHED, OF VARIOUS SPECIES OF THE EVERGREENS; BOUGHS OF PINE, SPRUCE, HEMLOCK, FIR AND DOUGLAS FIR; PINE, SPRUCE, HEMLOCK AND FIR CONES, CHRISTMAS GREENS; AND ORNAMENTAL AND CHRISTMAS TREE PLANTING STOCK.

Claims use since Dec. 2, 1946.

Ser. No. 566,986. J. LICHTMAN & SONS, Newark, N. J. Filed Oct. 14, 1948.

AQUARIZED

FOR LEATHER.

Claims use since Oct. 11, 1948.

Ser. No. 570,652. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 16, 1948.

Cross Country

FOR PEAT MOSS, SHADE AND FRUIT TREES, PERENNIALS, ROSES, EVERGREENS, HEDGES, FLOWERING SHRUBS, VINES, VEGETABLE SEEDS, FLOWER AND ORNAMENTAL PLANT SEEDS, CLOVER SEED, GRASS SEED, SEED CORN, FLOWER BULBS, VEGETABLE AND FLOWER ROOTS, VEGETABLE PLANTS, POTTED PLANTS, BERRY PLANTS.

Claims use since Apr. 1, 1948 for peat moss; and since July 15, 1948, for shade and fruit trees, perennials, roses, evergreens, hedges, flowering shrubs, vines, vegetable seeds, flower and ornamental plant seeds, clover seed, grass seed, seed corn, flower bulbs, vegetable and flower roots, vegetable plants, potted plants, berry plants.

Ser. No. 571,207. FRANKENHOFF CORPORATION, New York, N. Y. Filed Dec. 28, 1948.

KENITE

FOR DIATOMACEOUS EARTH.

Claims use since Oct. 22, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 541,942. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 21, 1947.

HILO-CHROME

The drawing is lined to indicate shading only and not to indicate color. No claim is made to the word "Chrome" apart from the mark shown.

FOR HIGH TEMPERATURE CEMENT EMPLOYED IN LAYING FIREBRICK ON STEEL.

Claims use since Sept. 11, 1934.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 527,872. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation. Filed July 5, 1947. (Sec. 2f.)

RAINMAKER

FOR FERROUS METAL PIPE AND FERROUS METAL PIPE FITTINGS, FERROUS METAL CONDUITS FOR CONVEYING LIQUIDS AND GASES AND FERROUS METAL CONDUIT FITTINGS.

Claims use since Dec. 31, 1935.

Ser. No. 545,176. THE SENG COMPANY, Chicago, Ill. Filed Dec. 22, 1947. (Sec. 2f.)

KLINCH-IT

Applicant claims ownership of Registration No. 385,424.

FOR MACHINE STAPLES.

Claims use since May 23, 1938.

Ser. No. 557,167. UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio. Filed May 15, 1948.

muffinaire JUNIOR

The word "Junior" is disclaimed, apart from the mark. Applicant claims ownership of Registrations Nos. 426,678 and 440,085.

FOR METAL BAKING PANS.

Claims use since May 5, 1948.

Ser. No. 561,192. J. R. S. SPECIALTIES MANUFACTURING CO., INC., Nyack, N. Y. Filed July 12, 1948.

JRS

FOR FERRULES, VENT SCREENS, VENT CAPS, STUB BOILER STANDS, PIPE SECTIONS FOR USE WITH WATERHEATERS, CESSPOOLS, CESSPOOL PLATES, FLOOR DRAIN HEADS, TRAPS AND STRAINERS FOR FLOOR DRAIN HEADS, EXPANSION TANK BRACKET.

Claims use since Jan. 6, 1925.

Ser. No. 564,668. THE WATERBURY TACK COMPANY, Shelton, Conn. Filed Sept. 3, 1948. (Sec. 2f.)

NEED-L-POINT

Applicant claims ownership of Registration No. 395,005.

FOR THUMB TACKS.

Claims use since Aug. 15, 1940.

Ser. No. 564,844. THE SPEARHEAD BOILER PLUG AND SPECIALTY COMPANY, Cleveland, Ohio. Filed Sept. 8, 1948.

SPEARHEAD

Applicant claims ownership of Registration No. 248,715.

FOR BOILER PLUGS, GLOBE VALVES, STOP AND WASTE VALVES, AIR VALVES, TANK BALLS, TRAPS, FAUCETS, BRASS SLIP NUTS, FLUSH VALVES, BALL COCKS AND TRIP LEVER WASTES.

Claims use since 1932.

Ser. No. 565,763. EVERSTICK ANCHOR COMPANY, Fairfield, Iowa. Filed Sept. 24, 1948. (Sec. 2f.)

EVERSTICK

Applicant claims ownership of Registration No. 417,052.

FOR EARTH ANCHORS.

Claims use since May 1, 1906.

Ser. No. 567,619. LEONARD AKER, doing business as The Aker Company, Palo Alto, Calif. Filed Oct. 26, 1948.

HOSETTES

Applicant disclaims as merely subject matter and descriptive of the applicant's goods, the representation of the sprinkler head and the representation of hose sections appearing on the drawing.

FOR SPRINKLER HEADS.

Claims use since Aug. 6, 1948.

Ser. No. 571,556. JENKINS BROS., New York, N. Y and Bridgeport, Conn. Filed Jan. 3, 1949.

HY-LO

Applicant claims ownership of Registration No. 308,181.
FOR AIR VALVES AND NOZZLES THEREFOR.
Claims use since Mar. 2, 1933.

Ser. No. 572,935. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Jan. 28, 1949.



FOR HARD RUBBER CASTER WHEELS.
Claims use since July 1926.

CLASS 15

OILS AND GREASES

Ser. No. 535,607. PATE OIL COMPANY, Milwaukee, Wis. Filed Sept. 24, 1947.

Valveglide

FOR LUBRICATING SOLVENTS FOR PURGING CARBON AND OTHER FOREIGN MATERIAL FROM ENGINE VALVES.
Claims use since Sept. 5, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 529,285. MARTIN VARNISH COMPANY, Chicago, Ill. Filed July 23, 1947.

martispar
FLOOR & TRIM VARNISH

The words "Floor & Trim Varnish" are disclaimed.
Applicant claims ownership of Registration No. 263,621.
FOR VARNISH.
Claims use since Dec. 14, 1946.

Ser. No. 537,399. ARROW PRODUCTS CORPORATION, Baltimore, Md. Filed Oct. 10, 1947.

ZIPIZ

Never Lets You Down!

The words "Never Lets You Down" are disclaimed.
FOR LIQUID AND CHEMICAL PAINT AND VARNISH REMOVER.
Claims use since Oct. 17, 1946.

Ser. No. 537,649. AMERICAN PIPE AND CONSTRUCTION CO., Los Angeles, Calif. Filed Oct. 13, 1947.



Applicant claims ownership of Registration No. 349,610.
FOR CEMENTITIOUS ACID PROOFING MATERIAL FOR LINING OR COATING STEEL OR CONCRETE PIPES, STRUCTURES, TANKS, VATS, WALLS, FLOORS, ETC.
Claims use since Jan. 1, 1936.

Ser. No. 552,508. STANCO INCORPORATED, New York, N. Y., and Wilmington, Del., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware. Filed Mar. 19, 1948.

ACTO

Applicant claims ownership of Registrations Nos. 221,646, 221,885, 251,298, 251,487, 273,653, 296,241, and 299,746.
FOR SOLUBLE PETROLEUM SULFONATES USED AS DISPERSING AND WETTING AGENTS FOR COATING PARTICLES IN THE NATURE OF PAINT PIGMENTS TO FACILITATE SUSPENSION OF THE PIGMENTS.
Claims use since Oct. 17 1944.

Ser. No. 556,068. ARID-CRETE CORPORATION, Cincinnati, Ohio. Filed May 3, 1948.

369 formula

The word "Formula" is disclaimed.
FOR WET, WATERPROOFING PAINT, IN READY MIXED FORM, TO BE APPLIED TO MASONRY.
Claims use since Jan. 15, 1948.

Ser. No. 561,157. STANDARD VARNISH WORKS, Staten Island, N. Y. Filed July 10, 1948.

"1000 SPAR"

The word "Spar" is disclaimed.
FOR VARNISH.
Claims use since February 1946.

Ser. No. 562,130. THE FOY PAINT COMPANY, INC., doing business as The R. F. Johnston Paint Co., Cincinnati, Ohio. Filed July 24, 1948.

KRAKNO

FOR PAINT FILLERS FOR USE ON WOOD, METAL, OR CANVAS SURFACES.
Claims use since November 1906.

Ser. No. 562,256. THE FOY PAINT COMPANY, INC., Cincinnati, Ohio. Filed July 27, 1948.

Trueness

FOR MIXED PAINTS FOR EXTERIOR AND INTERIOR WALLS, PAINT COLORS IN OIL, VARNISH TYPE WOOD FILLERS, JAPAN, COLORS IN JAPAN, VARNISHES, VARNISH STAINS, OIL STAINS, AND WHITE LEAD.
Claims use since Jan. 1, 1905.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 553,026. SEA GULL LIGHTING PRODUCTS, INC., Philadelphia, Pa. Filed Mar. 25, 1948.

Sea Gull

FOR ELECTRIC LIGHTING FIXTURES.
Claims use since Feb. 16, 1948.

Ser. No. 553,921. STAR-LITE BATTERY CO., INC., New York and Brooklyn, N. Y. Filed Apr. 5, 1948.

STAR LITE

FOR FLASHLIGHT BATTERIES.
Claims use since Oct. 5, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 503,024. EDW. K. TRYON COMPANY, Philadelphia, Pa. Original filed, act of 1905, May 29, 1946; amended to application under act of 1946, Principal Register, Sept. 29, 1947. (Sec. 2f.)

ALLREADY

FOR FISHING RODS; FISHING REELS; ARTIFICIAL FISH BAITS; GUT FISHING LEADERS, BOTH SYNTHETIC AND GENUINE; WIRE FISHING LEADERS, SOLID AND CABLE; FISHING LINES; SNELLED FISHING HOOKS; FISHING TIPPETS; FISH HOOKS, RINGED, MARKED, FLATTED, AND KNOBBED; FISHING FLIES; FISHING BAIT AND TACKLE BOXES; FISHING BAIT AND MINNOW PAILS; BUTT CAPS FOR FISHING RODS; FISH NETS; FLY AND TACKLE BOOKS; FISHING REEL CLAMPS; FISHING REEL SEATS; FISHING ROD FERRULES; FISHING ROD

GUIDES; FISHING ROD TIPS; FISHING ROD STANDS; RUBBER FISHING ROD BUTTS; WINDING CHECKS FOR FISHING RODS; FISHING RIGS, COMPRISING COMBINATIONS OF LEADERS AND SWIVELS; CHUGGING RIGS, COMPRISING COMBINATIONS OF LEADERS AND SWIVELS FOR FISHING; FROG HARNESS FOR FISHING; FROG SPEARS FOR FISHING; GAFF HOOKS FOR FISHING; GAFFS COMPLETE FOR FISHING; FISH SPEARS; MOUTH OPENERS FOR FISH; FISHING NET FRAMES; FISH TONGS; FISH FINDERS; FEATHERED JIGS (ARTIFICIAL BAIT) FOR FISHING; FISH BAGS; DOCK BELLS (FOR CALLING ATTENTION TO A CATCH); FISHING FLOATS; CRAB TRAPS; FISHING SINKERS; FISHING SWIVELS; SAFETY SNAPS FOR FISHING; SAND SPIKES FOR FISHING; MINNOW TRAPS FOR FISHING; SNAPS AND RINGS FOR FISHING; SPLIT RINGS FOR FISHING; FISHING SPREADERS (COMPRISING WIRES HAVING LOOPS AT OPPOSITE ENDS WITH A SWIVEL); FISHING STRINGERS AND CUT WIRE FOR FISHING LEADERS.
Claims use since Dec. 7, 1939.

Ser. No. 549,927. HAMRE SPECIALTY CO., Chicago, Ill. Filed Feb. 17, 1948.

"Stubcaster"

FOR FISHING RODS.
Claims use since May 1946.

Ser. No. 555,112. MIDWEST METAL STAMPING CO., Kellogg, Iowa. Filed Apr. 20, 1948. (Sec. 2f.)

Tally-Bell

FOR GAME EQUIPMENT—NAMELY, BASKET, BASKET SUPPORT, AND BALL FOR BASKETBALL GAME.
Claims use since Apr. 4, 1936.

Ser. No. 556,617. BACON & EDWARDS, Shreveport, La. Filed May 10, 1948.



The word "Brand" is disclaimed.
FOR FISHING POLES.
Claims use since Apr. 26, 1948.

Ser. No. 564,910. SPORTING GOODS MFG. COMPANY, INC., Lynn, Mass. Filed Sept. 9, 1948.



FOR FOOTBALLS.
Claims use since July 7, 1948.

Ser. No. 566,376. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Oct. 4, 1948.

BUCKAROO

FOR BOARD GAME.
Claims use since Mar. 10, 1947.

Ser. No. 571,243. WILMOT, MANSOUR AND COMPANY LIMITED, Totton, England. Filed Dec. 28, 1948.

JETEX

FOR MINIATURE OR MODEL ENGINES AND PARTS THEREOF FOR USE IN TOY OR HOBBY MODEL AIRPLANES, CARS, BOATS, AND SIMILAR TYPE GOODS.
Claims use since June 1, 1948.

Ser. No. 571,583. ANN SPERL, Kansas City, Mo. Filed Jan. 3, 1949.



All of the wording with the exception of "Frany-An" is disclaimed apart from the mark.
FOR DOLLS.
Claims use since Dec. 15, 1948.

Ser. No. 571,845. SAMUEL H. COHN, doing business as C. & M. Leather Goods Co., New York, N. Y. Filed Jan. 8, 1949.



The drawing of the man on the horse is fanciful.
FOR TOY PISTOLS AND HOLSTERS.
Claims use since January 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 504,558. GEORG JENSEN INC., New York, N. Y. Original filed, act of 1905, June 25, 1946; amended to application under act of 1946, Principal Register, Jan. 7, 1948. (Sec. 2f.)

GEORG JENSEN Inc.

The abbreviation "Inc." is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 293,530, 384,180, 384,539, and 384,540.
FOR BASE METAL KNIVES, FORKS, SPOONS, CORKSCREWS, BOTTLE OPENERS, AND SCISSORS.
Claims use since Jan. 20, 1940.

631 O. G.—41

Ser. No. 504,841. GEORG JENSEN INC., New York, N. Y. Original filed, act of 1905, June 29, 1946; amended to application under act of 1946, Principal Register, Jan. 13, 1948. (Sec. 2f.)



The abbreviation "Inc." is disclaimed apart from the trade-mark. Applicant claims ownership of Registrations Nos. 293,530 and 384,180.
FOR BASE METAL KNIVES, FORKS, SPOONS, CORKSCREWS, BOTTLE OPENERS, AND SCISSORS.
Claims use since June 5, 1942.

Ser. No. 516,033. THE OSGOOD COMPANY, Marion, Ohio. Original filed, act of 1905, Jan. 20, 1947; amended to application under act of 1946, Supplemental Register, Oct. 24, 1947; amended to Principal Register, Oct. 24, 1947. (Sec. 2f.)

OSGOOD

FOR POWER SHOVELS, DRAGLINE SHOVELS, CLAMSHELL SHOVELS, POWER CRANES, PILE DRIVERS, AND BOOMS, BUCKETS, AND OTHER PARTS OF THESE MACHINES.
Claims use since June 1, 1915.

Ser. No. 520,162. J. W. HANCE MANUFACTURING CO., Westerville, Ohio. Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Principal Register, Oct. 2, 1947.

VAC-A-WAY

FOR MOTOR-DRIVEN APPARATUS FOR CLEANING AND GRADING SEEDS AND GRAINS.
Claims use since May 22, 1933.

Ser. No. 529,354. CAMERON IRON WORKS, INC., Houston, Tex. Filed July 24, 1947. (Sec. 2f.)

CAMERON

FOR CASING CUTTERS, BLOWOUT PREVENTERS, WELL PACKERS, FLOW WINGS FOR WELL CHRISTMAS TREES, AND PIPE FITTINGS — NAMELY, SPOOLS, CROSSES, REDUCERS, ADAPTERS, CASING HEADS AND TUBING HEADS, ALL ESPECIALLY ADAPTED FOR USE IN THE OIL AND GAS INDUSTRY.
Claims use since 1933.

Ser. No. 535,163. THE LABOUR COMPANY, INC., Elkhart, Ind. Filed Sept. 20, 1947. (Sec. 2f.)

LA BOUR

Applicant claims ownership of Registration No. 406,890.
FOR CENTRIFUGAL PUMPS AND PARTS THEREOF.
Claims use since January 1922.

Ser. No. 538,376. DEARBORN MOTORS CORPORATION, Detroit, Mich. Filed Oct. 20, 1947.

DMC

FOR PLOW SHARES, MOLD BOARDS AND CULTIVATOR SWEEPS.
Claims use since Aug. 8, 1947.

Ser. No. 541,402. CHIKSAN EXPORT COMPANY, Brea, Calif., Filed Nov. 17, 1947.



FOR MUD MIXING GUNS AND PARTS FOR THE SAME, WELL MACHINERY—NAMELY, CIRCULATING HEADS AND PARTS FOR THE SAME AND ROTARY HOSE ADAPTERS.
Claims use since August 1945.

Ser. No. 541,875. NEW HOLLAND MACHINE COMPANY, New Holland, Pa. Filed Nov. 20, 1947.

Automaton

FOR BALERS FOR GATHERING, COMPRESSING, BALING, AND TYING HAY IN THE FIELD.
Claims use since Mar. 18, 1947.

Ser. No. 542,108. BENNETT R. FIELDS, doing business as Fields Specialty Company, Farmville, N. C. Filed Nov. 24, 1947.

FIELDS BZB

The name "Fields" is disclaimed.
FOR MECHANICAL DUSTER FOR SPREADING INSECTICIDES.
Claims use since Feb. 1, 1947.

Ser. No. 548,568. BESLER CORPORATION, Emeryville, Calif. Filed Feb. 2, 1948.

BES-SPRAY

Applicant disclaims the exclusive right to the word "Spray" apart from the mark as shown.
FOR WHEEL MOUNTED MACHINE FOR DISPENSING WEED KILLING CHEMICALS.
Claims use since May 9, 1947.

Ser. No. 548,658. LANCASTER PUMP AND MANUFACTURING CO. INC., Lancaster, Pa. Filed Feb. 3, 1948. (Sec. 2f.)

LANCASTER pumps

FOR WELL PUMPS, AUTOMATIC WATER PUMPING SYSTEMS, MOTOR DRIVEN WELL PUMPS, ENGINE DRIVEN WELL PUMPS, SUMP PUMPS, MOTOR DRIVEN SUMP PUMPS, AUTOMATIC MOTOR DRIVEN SUMP PUMPS, TURBINE PUMPS, PITCHER PUMPS, HAND PUMPS, JET PUMPS AND WINDMILL PUMPS.
Claims use since April 1942.

Ser. No. 548,997. R-S PRODUCTS CORPORATION, Philadelphia, Pa. Filed Feb. 6, 1948.

Zip

The representation of the jar is disclaimed.
FOR BOTTLE AND JAR OPENER.
Claims use since Dec. 19, 1947.

Ser. No. 554,053. JOSEPH C. VARKALA, Washington, D. C., assignor to Mouli Manufacturing Corporation, Union, N. J., a corporation of Delaware. Filed Apr. 7, 1948.

"MOULI"

FOR FOOD GRATERS, SLICERS, SHREDDERS, AND MILLS.
Claims use since Jan. 10, 1948.

Ser. No. 562,835. WALTER V. CORNETT, Los Angeles, Calif. Filed Aug. 5, 1948.

MIGHTY MIDGET

FOR BREAKING OR DEMOLITION MACHINES USED FOR BREAKING AND CUTTING BY IMPACT, ROAD SURFACES, CONCRETE STRUCTURES, WALK, BRIDGES, CULVERTS, AND THE LIKE, TRENCH DIGGING, TAMPING, AND GENERAL DEMOLITION WORK.
Claims use since Apr. 5, 1948.

Ser. No. 563,289. SUPERIOR SEPARATOR COMPANY, Hopkins, Minn. Filed Aug. 12, 1948.

Farmhand

Applicant claims ownership of Registration No. 422,679.
FOR TRACTOR MOUNTED LOADERS AND STACKERS, AND SOIL AND STUBBLE MULCHING MACHINES.
Claims use since September 1940 on tractor mounted loaders and stackers; and since July 12, 1948, on soil and stubble mulching machines.

Ser. No. 563,447. THE CAMPBELL-HAUSFELD COMPANY, Harrison, Ohio. Filed Aug. 16, 1948.

PRESSURE PRINCE

No claim is made to the word "Pressure" apart from the mark as shown.
FOR AIR COMPRESSORS AND PARTS THEREOF.
Claims use since July 13, 1948.

Ser. No. 564,000. THE LAPOINTE MACHINE TOOL COMPANY, Hudson, Mass. Filed Apr. 9, 1948. (Sec. 2f.)

LAPOINTE

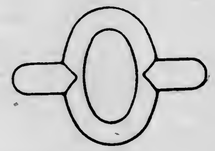
Applicant claims ownership of Registrations Nos. 376,276 and 270,085.
FOR BROACHING MACHINES AND BROACHES.
Claims use since 1913.

Ser. No. 569,926. JONAS & COLVER (NOVO) LIMITED, Sheffield, England. Filed Sept. 28, 1948.

NOVO

FOR MACHINE TOOLS AND PARTS THEREOF—NAMELY, MACHINE KNIVES, TWIST DRILLS, MILLING AND OTHER MACHINERY CUTTERS.
Applicant claims ownership of United Kingdom Registrations Nos. 284,119/41778, dated June 26, 1906, and 284,120/41788, dated June 26, 1906.

Ser. No. 572,013. BURGESS-NORTON MFG. CO., Geneva, Ill. Filed Jan. 12, 1949.



FOR PISTON PINS.
Claims use since Nov. 17, 1948.

Ser. No. 572,237. CADILLAC STAMP COMPANY, INC., Detroit, Mich. Filed Jan. 15, 1949.

ENDURO

FOR STEEL STAMPS, EMBOSSING AND MARKING DIES, POWER AND HAND MARKING MACHINES.
Claims use since 1937.

Ser. No. 572,674. WILLIAM H. MISSON, doing business as Zip Products Co., Los Altos, Calif. Filed Jan. 24, 1949.

Zip

FOR PAPER PUNCHES.
Claims use since February 1948.

Ser. No. 572,768. RED LION CABINET COMPANY, Red Lion, Pa. Filed Jan. 25, 1949.

RED

FOR ROUTER BITS, SHAPER CUTTERS, CIRCULAR SAWS, MOULDER HEADS, AND CARBIDE GRINDERS.
Claims use since June 1947 on router bits; since August 1947 on shaper cutters; since October 1947 on circular saws; since June 1947 on moulder heads; and since February 1948 on carbide grinders.

Ser. No. 574,876. WEAVER MANUFACTURING COMPANY, Springfield, Ill. Filed Mar. 3, 1949. (Sec. 2f.)

WEAVER

The drawing is lined for red.
FOR WRECK CRANES.
Claims use since January 1911.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 571,873. PRESSING SUPPLY COMPANY, Philadelphia, Pa. Filed Jan. 8, 1949.

Crusader

FOR IRONING BOARD PADS AND IRONING BOARD PAD COVERS.
Claims use since Aug. 9, 1948.

Ser. No. 571,874. PRESSING SUPPLY COMPANY, Philadelphia, Pa. Filed Jan. 8, 1949.

Crusader

FOR IRONING BOARD PADS AND IRONING BOARD PAD COVERS.
Claims use since Aug. 9, 1948.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 539,113. ALLIED ARTISTS PRODUCTIONS, INC., Hollywood, Calif. Filed Oct. 27, 1947.

Allied Artists PRODUCTIONS, INC.

The words "Productions, Inc." are disclaimed.
FOR MOTION PICTURE FILMS.
Claims use since July 30, 1947.

Ser. No. 569,112. WABASH CORPORATION, Brooklyn, N. Y. Filed Nov. 19, 1948.



The representation of the photoflash lamp is disclaimed.
FOR PHOTOFLASH LAMPS.
Claims use since May 12, 1948.

Ser. No. 569,613. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Nov. 30, 1948.

MICRO-FILE

Applicant claims ownership of Registration No. 346,647.
FOR PHOTOGRAPHIC CAMERAS, PHOTOGRAPHIC FILM, PHOTOGRAPHIC COPYING MACHINES AND PARTS THEREOF, COPY BOARDS FOR PHOTOGRAPHIC COPYING MACHINES, PHOTOGRAPHIC ENLARGERS, AND PHOTOGRAPHIC FILM SPOOLS.
Claims use since Oct. 13, 1936.

Ser. No. 569,614. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Nov. 30, 1948.

KODAGRAPH

Applicant claims ownership of Registrations Nos. 384,645, 397,278, 398,155, and 433,339.
FOR PHOTOGRAPHIC FILM, PHOTOGRAPHIC PLATES, PHOTOGRAPHIC PAPER, PHOTOGRAPHIC CLOTH, PHOTOGRAPHIC COPYING MACHINES AND PARTS THEREOF AND ADAPTERS THEREFOR, COPY BOARDS FOR PHOTOGRAPHIC COPYING MACHINES, PHOTOGRAPHIC FILM UNITS AND PARTS THEREOF AND ADAPTERS THEREFOR, PHOTOGRAPHIC ENLARGERS, PHOTOGRAPHIC PROJECTORS, AND PHOTOGRAPHIC FILM READERS.
Claims use since Feb. 12, 1940.

Ser. No. 587,301. CLAYTON MANUFACTURING COMPANY, El Monte, Calif. Filed Nov. 16, 1949. (Sec. 2f.)

Clayton

FOR ENGINE AND CHASSIS TYPE HYDRAULIC DYNAMOMETERS.
Claims use since March 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 566,696. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill. Filed Oct. 8, 1948.

Father Time

The word "Time" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 60,545, 69,677, and 441,352.
FOR WATCHES AND WATCH MOVEMENTS.
Claims use since Dec. 31, 1871.

Ser. No. 567,516. JEAN R. GRAEF, INC., New York, N. Y., assignor to Girard-Perregaux & Co., Inc., New York, N. Y., a corporation of New York. Filed Oct. 23, 1948.

G/P

FOR WATCH MOVEMENTS AND WRIST AND POCKET WATCHES.
Claims use since May 1943.

Ser. No. 568,184. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1948.

TWA CAPTAIN

Applicant claims ownership of Registration No. 409,228.
FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Oct. 8, 1948.

Ser. No. 568,478. AMERICAN JEWELRY DISTRIBUTORS, INC., New York, N. Y. Filed Oct. 12, 1948. (Sec. 2f as to "Calvert.")

Lord CALVERT

The trade-mark is fanciful. Applicant claims ownership of Registration No. 418,646.
FOR MEN'S WATCHES AND WATCH MOVEMENTS.
Claims use since July 1, 1948 on the mark shown; and since June 25, 1917, on the word "Calvert."

Ser. No. 573,644. J. P. BYRNE & SONS CO., Omaha, Nebr. Filed Feb. 10, 1949.

DENOMA

FOR WATCHES.
Claims use since Nov. 1, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 526,299. SIGMA NU FRATERNITY, Indianapolis, Ind. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Sept. 14, 1948.



FOR FRATERNITY PINS, FINGER RINGS, BRACELETS, TIE CLIPS, CUFF LINKS, HOLLOWWARE AND FLATWARE, ALL MADE IN WHOLE OR PART OF PRECIOUS METALS.
Claims use since 1915.

Ser. No. 526,300. SIGMA NU FRATERNITY, Indianapolis, Ind. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, July 14, 1948.



FOR FRATERNITY PINS, FINGER RINGS, BRACELETS, TIE CLIPS, CUFF LINKS, HOLLOWWARE, AND FLATWARE, ALL MADE IN WHOLE OR PART OF PRECIOUS METALS.
Claims use since 1869.

Ser. No. 542,926. GRANAT BROS., INC., San Francisco, Calif. Filed Dec. 2, 1947. (Sec. 2f.)

Tempered Gold

The word "Gold" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 411,775, 400,701, and 397,040.
FOR FINGER RINGS.
Claims use since June 14, 1940.

Ser. No. 546,618. THE SAMSAN COMPANY, Providence, R. I. Filed Jan. 9, 1948.

SAMSAN

FOR FINGER RINGS.
Claims use since 1934.

Ser. No. 559,512. HOLLYWOOD JEWELRY MANUFACTURING CO., New York, N. Y. Filed June 17, 1948.



FOR CUSTOM JEWELRY—NAMELY, PINS, NECKLACES, PENDANTS, BRACELETS, EARRINGS, AND FOB PINS, AND FINGER RINGS.
Claims use since Apr. 18, 1948.

Ser. No. 560,000. JULIUS DREYFUS, INC., New York, N. Y. Filed June 23, 1948.

ETERNA-LOCK

The word "Lock" is disclaimed.
FOR FINGER RINGS OF PRECIOUS METAL.
Claims use since May 18, 1948.

Ser. No. 562,888. G. H. SEFFERT COMPANY, New York, N. Y. Filed Aug. 5, 1948.

FIDELIS

FOR RELIGIOUS JEWELRY FOR PERSONAL WEAR—NAMELY, ROSARIES, MEDALS, PENDANTS, NECKLACES, BRACELETS, AND BROOCHES.
Claims use since July 8, 1948.

Ser. No. 566,429. GRANAT BROS., San Francisco, Calif. Filed Sept. 25, 1948.

Serenade

FOR JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BRACELETS, NECKLACES, LAPEL PINS, AND BREAST PINS.
Claims use since Sept. 26, 1938.

Ser. No. 567,186. CORO, INC., New York, N. Y. Filed Oct. 19, 1948.

AJUSTA

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, PEARL NECKLACES, AND STRINGS OF PEARLS.
Claims use since July 1948.

Ser. No. 567,672. ARO-SAC, INC., Providence, R. I. Filed Oct. 27, 1948.

LIFT-O-MATIC

FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, WATCH BRACELETS.
Claims use since Mar. 1, 1948.

Ser. No. 567,910. A. EDWARD FISHER & CO., INC., New York, N. Y. Filed Oct. 30, 1948.

LIFE-LOCK

The word "Lock" is disclaimed.
FOR FINGER RINGS.
Claims use since Oct. 11, 1948.

Ser. No. 568,576. THE CANTERBURY SILVERSMITHS, INC., Brooklyn, N. Y. Filed Nov. 12, 1948.

Canterbury

FOR SILVER PLATED AND STERLING SILVER HOLLOW WARE—NAMELY, SERVING TRAYS, BREAD TRAYS, WATER PITCHERS, FOOD SERVING DISH, TABLE PLATTERS, AND PLATES.
Claims use since February 1946.

Ser. No. 573,617. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

American Girl

Applicant claims ownership of Registration No. 241,715.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 548,947. THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Feb. 6, 1948. (Sec. 2f.)



The drawing is lined for red. Applicant claims ownership of Registrations Nos. 151,132 and 152,403.
FOR BROOMS; MANUALLY MANIPULATED BRUSHES FOR CLEANING PURPOSES—NAMELY, AUTOMOBILE BRUSHES, BAKERY BRUSHES, BRUSHES FOR DOMESTIC AND HOUSEHOLD USES, BRUSHES FOR PERSONAL USES, BRUSHES FOR USE ON CLOTHING, BOTTLE AND TEST TUBE BRUSHES, DAIRY BRUSHES, FLOOR BRUSHES OF THE PUSH-BROOM TYPE, PIPE BRUSHES, TEXTILE BRUSHES; DAUBERS; DUSTERS—NAMELY, UTILITY DUSTERS, STOVE DUSTERS; FRICTION CLEANERS FORMED OF RIGID PLASTIC MATERIAL AND HAVING RIBBED RUBBING SURFACES; MOPS—NAMELY, WET AND DRY FLOOR MOPS, DISH MOPS; AND POLISHING CLOTHS.
Claims use since Nov. 1, 1920.

Ser. No. 550,117. BURTON A. BOYAR, and doing business under the name and style of Burboy, New York, N. Y. Filed Feb. 19, 1948.



The word "Dish" is disclaimed.
FOR FOUNTAIN TYPE DISH MOPS.
Claims use since Jan. 9, 1948.

Ser. No. 560,278. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed June 26, 1948.

DRY PEN

FOR FOUNTAIN MARKING BRUSHES USED IN CONNECTION WITH A LIQUID MARKING INK FOR PRINTING, WRITING, AND MARKING ON GLASS, METAL, CLOTH, WOOD, PAPER, RUBBER, CELLOPHANE, AND PLASTIC SURFACES.
Claims use since Nov. 22, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 553,218. SCHMID BROTHERS, INC., Boston, Mass. Filed Mar. 27, 1948.

ROYAL. GOUDA.

The word "Gouda" is disclaimed.
FOR CROCKERY—NAMELY, VASES, BOWLS, PITCHERS, AND TABLEWARE—NAMELY, CUPS, SAUCERS, PLATES, TEAPOTS, SUGAR BOWLS, CREAM PITCHERS, MUFFIN DISHES, EGG CUPS, CEREAL BOWLS, AND COFFEEPOTS.
Claims use since May 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 564,098. THE CELLULO COMPANY, Sandusky, Ohio. Filed Aug. 25, 1948.

CELLULO LO-CA

Applicant claims ownership of Registration No. 439,167.
FOR ASBESTOS FILTER PADS.
Claims use since July 8, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 508,285. R. C. HELLER CO. INC., Baltimore, Md. Original filed, act of 1905, Aug. 30, 1946; amended to application under act of 1946, Principal Register, Feb. 13, 1948. (Sec. 2f.)

Dry Baby

FOR MATTRESSES.
Claims use since January 1934.

Ser. No. 524,073. THE MENGEL COMPANY, Louisville, Ky. Original filed, act of 1905, June 12, 1947; amended to application under act of 1946, Principal Register, Jan. 21, 1949.



Applicant claims ownership of Registrations Nos. 431,008, 432,916, and 515,030.
FOR BEDS; VANITY BENCHES; BOOK CASES; CHESTS ON CHESTS; CHESTS OF DRAWERS; CHAIRS OF THE FOLLOWING TYPES: DINING ROOM, CHILDREN'S HIGH AND LIVING ROOM; CHINA CABINETS; COMMODES; DRESSERS; DRESSER BASES; MIRRORS (HANGING); NIGHT STANDS; VANITY BASES; AND TABLES OF THE FOLLOWING TYPES; COCKTAIL, COFFEE, DINETTE, DRESSING, END AND LAMP.
Claims use since Feb. 18, 1947.

Ser. No. 550,114. R. BARBARA BLANKE CREATIONS, New York, N. Y. Filed Feb. 19, 1948.

"TOT GUARD"

FOR SAFETY ATTACHMENTS AND EXTENSION MEMBERS FOR CRIBS, HIGH CHAIRS, YOUTH BEDS, AND THE LIKE, TO SAFEGUARD INFANTS AND CHILDREN WHILE THEREIN.
Claims use since Aug. 5, 1947.

Ser. No. 561,512. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1948.

Ambassador

FOR MATTRESSES AND SPRINGS FOR BEDSTEADS.
Claims use since 1928.

Ser. No. 561,518. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1948.

Duchess

FOR MATTRESSES, STUDIO COUCHES, LOUNGES, AND SPRINGS FOR BEDSTEADS.
Claims use since February 1927.

Ser. No. 568,971. MODERN VENETIAN BLINDS, INC., New York, N. Y. Filed Nov. 17, 1948.

VEL-VALUME

FOR VENETIAN BLINDS AND SLATS FOR VENETIAN BLINDS.
Claims use since Jan. 25, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 541,502. BREESE BURNERS, INC., Santa Fe, N. Mex. Filed Nov. 18, 1947.

BREESE

Applicant claims ownership of Registration No. 212,142.
FOR OIL BURNERS AND CONTROLS AND SPARE AND REPAIR PARTS THEREOF.
Claims use since February 1921.

Ser. No. 553,443. BENNETT-IRELAND INC., Norwich, N. Y. Filed Mar. 31, 1948.

Grilladier

FOR OUTDOOR COOKING GRATES.
Claims use since Feb. 24, 1948.

Ser. No. 553,507. THE PETERSEN OVEN COMPANY, Chicago, Ill. Filed Mar. 31, 1948. (Sec. 2f.)

PETERSEN

Applicant claims ownership of Registration No. 246,128.
FOR BAKING OVENS.
Claims use since July 1, 1936.

Ser. No. 563,770. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn. Filed Aug. 20, 1948.

SCOTSMAN

FOR OIL BURNING SPACE HEATERS AND OIL BURNING WATER HEATERS.
Claims use since July 7, 1948.

Ser. No. 566,511. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y. Filed Oct. 6, 1948.

EUTECARC

No claim is made to exclusive use of the word "Arc" apart from the mark as shown.
FOR ARC WELDING MACHINES.
Claims use since Mar. 30, 1948.

Ser. No. 566,512. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y. Filed Oct. 6, 1948.

EUTECTORCH

No claim is made to exclusive use of the word "Torch" apart from the mark as shown.
FOR GAS WELDING TORCHES.
Claims use since June 27, 1948.

Ser. No. 567,368. THE PETERSEN OVEN COMPANY, Chicago, Ill. Filed Oct. 2, 1948. (Sec. 2f.)

STROMAN

Applicant claims ownership of Registration No. 412,199.
FOR INDUSTRIAL FURNACES.
Claims use since July 10, 1940.

Ser. No. 567,876. OIL WELL SUPPLY COMPANY, Dallas, Tex. Filed Oct. 29, 1948. (Sec. 2f.)

OILWELL

Applicant claims ownership of Registrations Nos. 144,139, 287,231, 327,652, and 328,273.
FOR STEAM BOILERS.
Claims use since 1936.

Ser. No. 568,640. LAVA CRUCIBLE COMPANY OF PITTSBURGH, Pittsburgh, Pa. Filed Nov. 12, 1948.

LAVA

Applicant claims ownership of Registrations Nos. 169,288, 260,682, 260,683, and others.
FOR INDUSTRIAL CRUCIBLES FOR MELTING METALS.
Claims use since March 1920.

Ser. No. 578,668. BORG-WARNER CORPORATION, Chicago, Ill. Filed Apr. 13, 1949. (Sec. 2f.)

Norge

Applicant claims ownership of Registration No. 331,102.
FOR OIL BURNERS, SPACE HEATERS, AND COOKING STOVES, AND PARTS THEREOF.
Claims use since Sept. 2, 1933, on cooking stoves and parts thereof; and since May 11, 1934, on oil burners, space heaters, and parts thereof.

Ser. No. 578,766. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed May 13, 1949. (Sec. 2f.)



FOR HOT WATER STORAGE TANKS, WITH AND WITHOUT COILS; RANGE BOILERS, WITH AND WITHOUT COILS; EXPANSION TANKS FOR HOT WATER HEATING SYSTEMS; AND HOT WATER BARBER BOILERS AND STANDS THEREFOR.
Claims use since January 1914.

Ser. No. 587,302. CLAYTON MANUFACTURING COMPANY, El Monte, Calif. Filed Nov. 16, 1949. (Sec. 2f.)

Clayton

FOR STEAM GENERATORS.
Claims use since August 1942.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 577,147. SEIBERLING RUBBER COMPANY, Barberton, Ohio. Filed Apr. 14, 1949. (Sec. 2f.)

The Seiberling "Bulkhead" Tube

No exclusive claim is made of the word "Tube" apart from the mark as shown. Applicant claims ownership of Registration No. 176,921.
FOR RUBBER INNER TUBES.
Claims use since Nov. 21, 1939.

Ser. No. 577,297. WESTERN DIVISION, INC., Los Angeles, Calif. Filed Apr. 16, 1949.

ROBERTS KERVAL FLEXIBLE RADIATOR HOSE

No claim is made to the word "Roberts." No claim is made to the words "Flexible Radiator Hose" other than in the combination shown.
FOR RADIATOR HOSE.
Claims use since Nov. 12, 1948.

Ser. No. 578,014. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 30, 1949.

ORTAC

FOR HOSE COMPOSED OF RUBBER AND/OR SYNTHETIC RUBBER.
Claims use since Mar. 3, 1949.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 563,513. SAMUEL M. WILDER, doing business as Wilder Specialty Co., Philadelphia, Pa. Filed Aug. 16, 1948.

SWYNETTE

FOR WIND MUSICAL INSTRUMENTS—NAMELY, NOVELTY HORNS AND PARTS THEREFOR INCLUDING ADAPTERS AND MOUTH PIECES.
Claims use since Mar. 16, 1948.

Ser. No. 568,081. JOHN STEINER, doing business as the New York Recording Laboratories, Chicago, Ill. Filed Nov. 17, 1948.

Paramount

FOR GROOVED PHONOGRAPH RECORDS.
Claims use since Oct. 20, 1917.

CLASS 37

PAPER AND STATIONERY

Ser. No. 559,409. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Feb. 21, 1948.

VAC CUP BAC

The words "Cup" and "Bac" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 332,520.
FOR POSTER PAPER.
Claims use since April 1935.

Ser. No. 559,755. F. W. WOOLWORTH CO., New York, N. Y. Filed June 19, 1948.

HERALD SQUARE

FOR TYPEWRITER PAPER, SECOND SHEETS, PADS AND TABLETS, WRITING PAPER, LETTER FOLDERS, CORRESPONDENCE ENVELOPES AND CLASP ENVELOPES, NOTE, MEMORANDUM AND STENOGRAPHIC NOTE BOOKS, DUPLICATE AND TRIPLICATE ORDER BOOKS, TIME BOOKS, RENT AND MONEY RECEIPTS, BILLHEADS AND STATEMENTS, LEGAL PADS, BLOTTERS, FILING CARDS, INDEX CARDS, GUIDES AND TABS, LOOSE LEAF PATCHES.
Claims use since July 23, 1926.

Ser. No. 568,397. OLD COLONY ENVELOPE COMPANY, Westfield, Mass. Filed Nov. 8, 1948.

DURAMAIL

The word "Mail" is disclaimed.
FOR CORRESPONDENCE AND MAILING ENVELOPES AND WRITING PAPER.
Claims use since Nov. 3, 1948.

Ser. No. 574,232. GEORGE LA MONTE & SON, Nutley, N. J., and elsewhere in the United States of America. Filed Feb. 21, 1949.

FOR SAFETY PAPER, SUCH AS IS USED FOR BANK CHECKS, BANK DRAFTS, AND OTHER CHECKS AND DRAFTS, BILLS OF EXCHANGE, PROMISSORY NOTES, TICKETS, AND ALL VOUCHERS OF VALUE.
Claims use since Dec. 21, 1948.

Ser. No. 574,393. STERLING PULP & PAPER COMPANY, Eau Claire, Wis. Filed Feb. 23, 1949.

Gourmet

FOR TOILET PAPER, PAPER NAPKINS, KITCHEN TOWELS, FACIAL TISSUES.
Claims use since Nov. 10, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 503,923. NATIONAL RACING PROGRAM, INC., New York, N. Y., assignor to Armstrong Daily Sports, Inc., Wilmington, Del., a corporation of Delaware. Original filed, act of 1905, June 14, 1946; amended to application under act of 1946, Principal Register, Dec. 3, 1947. (Sec. 2f.)

THE TURF

No claim is made to the words "Track Bulletin" apart from the mark shown.
FOR SECTION IN A DAILY PUBLICATION.
Claims use since 1934.

Ser. No. 533,541. DOUGLAS W. CLEPHANE, New York, N. Y. Filed Sept. 5, 1947.

TBA TIRE BATTERY & ACCESSORY

The words "Tire Battery & Accessory News" are disclaimed. The lining of the drawing is for shading only and no claim is made to color.
FOR PERIODICAL.
Claims use since July 1, 1947.

Ser. No. 543,502. LUMBERMENS MUTUAL CASUALTY COMPANY, doing business as (American) Lumbermens Mutual Casualty Company of Illinois, Chicago, Ill. Filed Dec. 5, 1947. (Sec. 2f.)

"L-M-C"

FOR SAFETY LESSONS FOR CHILDREN, PUBLISHED IN A SERIES.
Claims use since May 1929.

Ser. No. 557,740. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed May 25, 1948. (Sec. 2f.)

Fawcett's Animals

Applicant claims ownership of Registration No. 405,095.
FOR QUARTERLY CARTOON PUBLICATION.
Claims use since Nov. 6, 1942.

Ser. No. 566,484. UNIVERSAL SPORTS PRESS, Shelby, N. C. Filed Oct. 5, 1948.

NATIONAL HIGH SCHOOL Football Annual

Applicant disclaims the exclusive right to the use of the words "High School Football Annual."
FOR HIGH SCHOOL FOOTBALL ANNUALS.
Claims use since Sept. 21, 1948.

Ser. No. 571,320. THE COUNTRY CHRISTIAN, Peoria, Ill. Filed Dec. 30, 1948.

The Country Christian

FOR MAGAZINE PUBLICATION.
Claims use since Nov. 15, 1948.

CLASS 39

CLOTHING

Ser. No. 522,021. SOL SHERMAN, doing business under the name and style of Sherman Bows, New York, N. Y. Original filed, act of 1905, May 7, 1947; amended to application under act of 1946, Principal Register, Nov. 18, 1947. (Sec. 2f as to "Sherman.")

THE FRAME TIE
BY
SHERMAN

Applicant disclaims the generic word "Tie" apart from the mark as shown. Applicant claims ownership of Registration No. 226,884.
FOR BOW TIES FOR MEN AND BOYS.
Claims use since Mar. 1, 1926, as to Sherman; and since Apr. 21, 1947, to mark as a whole.

Ser. No. 523,581. GENERAL SHOE CORPORATION, Nashville, Tenn. Original filed, act of 1905, June 5, 1947; amended to application under act of 1946, Supplemental Register, Oct. 15, 1948; amended to Principal Register, Dec. 24, 1949.

BELLWOOD

FOR SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since May 8, 1947.

Ser. No. 525,254. SAGINAW MANUFACTURING COMPANY, York, Pa. Original filed, act of 1905, June 30, 1947; amended to application under act of 1946, Principal Register, Mar. 17, 1948. (Sec. 2f.)

Saginaw JR.

The word "Jr." is disclaimed. Applicant claims ownership of Registration No. 376,759.
FOR MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND POLO SHIRTS AND JACKETS FOR SPORT, WORK, AND DRESS WEAR, AND TROUSERS.
Claims use since Apr. 1, 1942.

Ser. No. 532,177. TRIMFOOT COMPANY, Farmington, Mo. Filed Aug. 22, 1947.

TELL-TALE-TOE

Applicant disclaims any exclusive right to the word "Toe" apart from the mark as shown.
FOR SHOES.
Claims use since June 30, 1947.

Ser. No. 535,118. BATA SHOE COMPANY, INC., New York, N. Y., and Belkamp, Md. Filed Sept. 20, 1947.

Bata
PRONOUNCED
BAYTA

No claim is made to the word "Pronounced" apart from the mark.
FOR SHOES, SLIPPERS, SNEAKERS, OVERSHOES, BOOTS, RUBBERS, AND HOSIERY.
Claims use since Dec. 19, 1919.

Ser. No. 535,119. BATA SHOE COMPANY, INC., New York, N. Y., and Belkamp, Md. Filed Sept. 20, 1947.

BATA
pronounced
"BAYTA"

No claim is made to the word "Pronounced" apart from the mark.
FOR SHOES, SLIPPERS, SNEAKERS, OVERSHOES, BOOTS, RUBBERS, AND HOSIERY.
Claims use since Dec. 19, 1919.

Ser. No. 538,603. CANNON SHOE COMPANY, Baltimore, Md. Filed Oct. 22, 1947.

Dreamwalks

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR ANY COMBINATION THEREOF.
Claims use since Sept. 26, 1947.

Ser. No. 538,929. HICKEY-FREEMAN COMPANY, Rochester, N. Y. Filed Oct. 24, 1947. (Sec. 2f.)

Wicker Weave

Applicant disclaims the word "Weave" apart from the mark as shown. Applicant claims ownership of Registration No. 267,091.
FOR MEN'S SUITS.
Claims use since Mar. 6, 1929.

Ser. No. 539,028. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Oct. 25, 1947. (Sec. 2f.)

GART-TOP

Applicant claims ownership of Registration No. 392,122.
FOR MEN'S HOSE.
Claims use since Mar. 25, 1936.

Ser. No. 539,030. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Oct. 25, 1947.

Coopers

The trade-mark "Cooper's" is a facsimile of the signature of Henry S. Cooper, founder of applicant's business, now deceased. Applicant claims ownership of Registrations Nos. 125,795, 402,718, 134,924, 241,759, and 128,585.
FOR UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, HOSIERY, SPORT SHIRTS, SWEATERS, SWIM TRUNKS, SPORT SHORTS, AND T-SHIRTS.
Claims use since February 1915.

Ser. No. 552,211. BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Mar. 18, 1948.

THROBBY SOCKS

The word "Socks" is disclaimed.
FOR HOSIERY.
Claims use since Feb. 11, 1948.

Ser. No. 552,638. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Mar. 22, 1948.

AIRLET SLEEVE

The word "Sleeve" is disclaimed. Applicant claims ownership of Registration No. 374,402.
FOR MEN'S AND BOYS' UNDERSHIRTS.
Claims use since June 6, 1939.

Ser. No. 553,102. H. GLASER & SON, INC., Boston, Mass. Filed Mar. 26, 1948. (Sec. 2f.)

Everymans

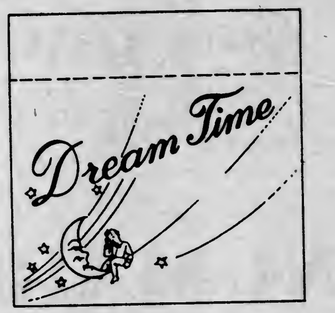
FOR MEN'S HOSIERY.
Claims use since Jan. 1, 1933.

Ser. No. 553,267. HARRY CAMP MILLINERY COMPANY, San Francisco, Calif., and New York, N. Y. Filed Mar. 29, 1948. (Sec. 2f.)

Dayne Thorpe

The trade-mark is fanciful and applicant knows of no one whose name is "Dayne Thorpe."
FOR LADIES' HATS.
Claims use since June 15, 1942.

Ser. No. 554,580. LAND O'NOD, Brooklyn, N. Y. Filed Apr. 14, 1948.



FOR CHILDREN'S PAJAMAS, KIMONAS, NIGHT GOWNS, AND INFANTS' SLIPS.
Claims use since Feb. 24, 1948.

Ser. No. 556,081. ESSEX RUBBER COMPANY, Trenton, N. J. Filed May 3, 1948.

STAG

FOR RUBBER SOLES FOR SHOES.
Claims use since May 1939.

Ser. No. 556,082. ESSEX RUBBER COMPANY, Trenton, N. J. Filed May 3, 1948.

BESTEX

FOR RUBBER SOLES FOR SHOES.
Claims use since September 1939.

Ser. No. 556,083. ESSEX RUBBER COMPANY, Trenton, N. J. Filed May 3, 1948.

DURABILT

FOR RUBBER SOLES FOR SHOES.
Claims use since March 1938.

Ser. No. 559,751. LOUIS L. WARFIELD, New York, N. Y. Filed June 19, 1948.

JAMCIE

FOR POLO SHIRTS MADE OF COTTON FOR OUTER WEAR FOR USE BY INFANTS AND CHILDREN, AND SHIRTS FOR OUTER WEAR FOR MEN AND WOMEN.
Claims use since May 7, 1948.

Ser. No. 560,996. LEON GABAI & SONS, Philadelphia, Pa. Filed July 9, 1948.

Gabi Girl

FOR BED JACKETS, PAJAMAS, SLIPS, NIGHTGOWNS, NEGLIGEES, PETTICOATS, PANTIES, LOUNGING PAJAMAS, AND CHEMISES.
Claims use since Feb. 2, 1948.

Ser. No. 561,482. NU-MAID HOSIERY MILLS, INC., Darby, Pa. Filed July 15, 1948.

NU-MAID

Applicant claims ownership of Registrations Nos. 164,595, 376,085, and 398,797.
FOR HOSIERY.
Claims use since Apr. 10, 1922.

Ser. No. 563,815. JOSÉ M. VAZQUEZ, doing business under the firm name of La Iberia, New York, N. Y. Filed Aug. 21, 1948.

La Iberia

FOR STOCKINGS, HOSE, OUTER AND UNDER SHIRTS, SPORTS SHIRTS, NECKTIES AND UNDERWEAR, ALL FOR MEN, WOMEN, AND CHILDREN.
Claims use since Aug. 28, 1941.

Ser. No. 564,316. BACKALL BROS., Philadelphia, Pa. Filed Aug. 28, 1948. (Sec. 2f.)

Lil' Sport

FOR BOYS' SUITS, TOPCOATS, PEA COATS, THREE PIECE LEGGING SETS, MACKINAWS, AND SLACKS.
Claims use since 1925.

Ser. No. 564,522. PERFECT GARMENT CO. INC., Baltimore, Md. Filed Sept. 1, 1948.

Polly Pierce

The name "Polly Pierce" is fanciful. Applicant claims ownership of Registration No. 191,910.
FOR ALL TYPES OF WOMEN'S AND MISSES' OUTERWEAR—NAMELY, BLOUSES, SKIRTS, SLACKS, SHORTS, PEDAL PUSHERS, DRESSES, ONE PIECE SUITS, TWO PIECE SUITS, JUMPERS, BOLERO SUITS, TOPPERS, HALTERS, MIDRIFF SETS CONSISTING OF A PAIR OF SHORTS AND A HALTER, AND SNOW SUITS.
Claims use since Oct. 1, 1923.

Ser. No. 564,585. SALVATORE LASCARI, Brooklyn, N. Y. Filed Sept. 2, 1948.

LA SCAR BRAS
For Sculptured Loveliness

The words "Bras" and "Loveliness" are disclaimed separate and apart from the mark as shown.
FOR BRASSIÈRES.
Claims use since Aug. 11, 1948.

Ser. No. 566,034. JOHN GILLETTE, INC., New York, N. Y. Filed Sept. 28, 1948.

SCREEN GIRL

FOR WOMEN'S AND GIRLS' SHOES.
Claims use since Apr. 1, 1948.

Ser. No. 566,344. S. H. KRESS AND COMPANY, New York, N. Y. Filed Oct. 2, 1948.

GLORIENT

Applicant claims ownership of Registration No. 251,687.
FOR HOSIERY.
Claims use since Oct. 20, 1947.

Ser. No. 566,912. ANSONIA DE LUXE SHOPS, INC., New York, N. Y. Filed Oct. 13, 1948.

Ansonia

Applicant claims ownership of Registrations Nos. 357,660 and 384,619.
FOR SHOES AND SANDALS FOR WOMEN, MISSES, AND CHILDREN, MADE OF LEATHER, FABRIC, AND/OR RUBBER, AND COMBINATIONS THEREOF.
Claims use since July 1, 1924.

Ser. No. 567,427. PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Oct. 21, 1948.

Profile Heel

No claim is made to the word "Heel" apart from the mark shown. Applicant claims ownership of Registration No. 232,589.
FOR HOSIERY.
Claims use since Mar. 1, 1927.

Ser. No. 567,700. EDWARD G. JONES, doing business as Jones & Son Shoe Hospital, Hutchinson, Kans. Filed Oct. 27, 1949.



The picture of the boy is fanciful.
FOR SOLE PATCHES.
Claims use since May 5, 1936.

Ser. No. 567,899. THE B. V. D. CORPORATION, New York, N. Y. Filed Oct. 30, 1948.



Applicant claims ownership of Registrations Nos. 106,486, 135,761, 135,762, and 135,763.
FOR OUTER SHIRTS AND HOSIERY.
Claims use since Sept. 20, 1948, on outer shirts; and since Oct. 23, 1948, on hosiery.

Ser. No. 568,345. BELKNAP MILLS CORPORATION, Laconia, N. H. Filed Nov. 8, 1948. (Sec. 2f.)

BELKNAP MILLS CORP.

The words "Mills" and "Corp." are disclaimed.
FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since 1908.

Ser. No. 568,646. JOHN E. LUCEY CO., INC., Bridgewater, Mass. Filed Nov. 12, 1948.

HOT SHOTS

FOR MEN'S AND BOYS' SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Aug. 24, 1948.

Ser. No. 569,205. CHARLES HYMEN SPORTSWEAR, INC., Chicago, Ill. Filed Nov. 22, 1948.

weather-tone

FOR WOMEN'S DRESSES.
Claims use since Sept. 9, 1948.

Ser. No. 570,006. TAYLOR BROS. BRACE COMPANY LIMITED, Manchester, England. Filed Dec. 4, 1948.

Pedigree

Applicant claims ownership of British Registration No. 465,555, dated Dec. 23, 1925.
FOR BRACES, BELTS FOR WEAR AND SUSPENDERS FOR STOCKINGS OR SOCKS.

Ser. No. 570,958. GLEN-JOAN FASHIONS, INC., New York, N. Y. Filed Dec. 22, 1948.

Glen-Joan

FOR MISSES' AND WOMEN'S DRESSES.
Claims use since Feb. 2, 1948.

Ser. No. 570,986. HENRY POLLAK, INC., New York, N. Y. Filed Dec. 22, 1948.

BON-BON

FOR HAT BODIES.
Claims use since Aug. 6, 1948.

Ser. No. 571,118. DALTON HAT CO. INC., Yonkers, N. Y. Filed Dec. 27, 1948.



FOR MEN'S HATS.
Claims use since Apr. 1, 1948.

Ser. No. 571,313. APPAREL DESIGN CO., Chicago, Ill. Filed Dec. 30, 1948.

Jingle Jogs

FOR INFANTS' AND CHILDREN'S GARMENTS—NAMELY, PANTS WITH FEET SUITABLE FOR USE BOTH AS PART OF A SLEEPING GARMENT AND AS AN INDOOR PLAY GARMENT.
Claims use since August 1947.

Ser. No. 571,317. JEROME BEIGEL, New York, N. Y. Filed Dec. 30, 1948.

Sho-bra

"THERE'S NO BRA LIKE SHO-BRA"

Applicant disclaims the generic word "Bra" and the slogan "There's No Bra Like a Sho-Bra" separately from the entire mark shown.

FOR BRASSIÈRES, PANTIES, AND SLIPS.
Claims use since Nov. 15, 1948.

Ser. No. 571,819. OLD TOWN SHOE COMPANY, Old Town, Maine. Filed Jan. 7, 1949.

OLDMAINE Trotters

The representation of a moccasin is claimed only in the association shown.

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS OF SAID MATERIALS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Dec. 20, 1948.

Ser. No. 572,226. WEBER SHOE COMPANY, St. Louis, Mo. Filed Jan. 14, 1949.

Playful NODS

FOR CHILDREN'S SLIPPERS OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since August 1947.

Ser. No. 572,278. SKYLON CORPORATION, New York, N. Y. Filed Jan. 15, 1949.

SKYFRILLE

FOR LADIES' AND MISSES' SLIPS, PETTICOATS, AND NIGHTGOWNS.
Claims use since Nov. 6, 1947.

Ser. No. 572,279. SKYLON CORPORATION, New York, N. Y. Filed Jan. 15, 1949.

Skygal

FOR LADIES' AND MISSES' SLIPS, PETTICOATS, AND NIGHTGOWNS.
Claims use since Oct. 27, 1947.

Ser. No. 572,413. CHARMFIT OF HOLLYWOOD, INC., Los Angeles, Calif. Filed Jan. 19, 1949.

Hugster

FOR FOUNDATION GARMENTS.
Claims use since Dec. 20, 1948.

Ser. No. 572,432. HUTH-JAMES SHOE, INC., Waupun, Wis. Filed Jan. 19, 1949.

Float Aways

FOR LEATHER SHOES WITH LEATHER, RUBBER, OR COMPOSITION SOLES, FOR BOYS AND MEN.
Claims use since Jan. 3, 1949.

Ser. No. 572,447. PETER PAN FOUNDATIONS, INC., New York, N. Y. Filed Jan. 19, 1949.

Mighty-Miss

FOR BRASSIÈRE.
Claims use since Dec. 20, 1948.

Ser. No. 572,461. SKYLON CORPORATION, New York, N. Y. Filed Jan. 19, 1949.

Skybelle

FOR LADIES' AND MISSES' SLIPS, PETTICOATS, AND NIGHTGOWNS.
Claims use since Feb. 2, 1948.

Ser. No. 572,462. SKYLON CORPORATION, New York, N. Y. Filed Jan. 19, 1949.

SKYPRINCESS

FOR LADIES' AND MISSES', SLIPS, PETTICOATS, AND NIGHTGOWNS.
Claims use since Sept. 21, 1947.

Ser. No. 572,593. SKYLON CORPORATION, New York, N. Y. Filed Jan. 22, 1949.

SKYHEART

FOR LADIES' AND MISSES', SLIPS, PETTICOATS, AND NIGHTGOWNS.
Claims use since Nov. 6, 1947.

Ser. No. 572,868. SKYLON CORPORATION, New York, N. Y. Filed Jan. 26, 1949.

Skybeau

FOR LADIES' AND MISSES', SLIPS, PETTICOATS, AND NIGHTGOWNS.
Claims use since Oct. 27, 1947.

Ser. No. 581,587. IRVING N. DONNIN, doing business as Elcanto, Incorporated, Miami Beach, Fla. Filed July 7, 1949.

El Encanto

FOR WOMEN'S DRESSES, BLOUSES, PEASANT COSTUMES, SANDALS, AND PETTICOATS, AND MEN'S OUTER SHIRTS.
Claims use since Dec. 20, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 527,810. JOHN FLOCKER AND COMPANY, Pittsburgh, Pa. Filed July 5, 1947.



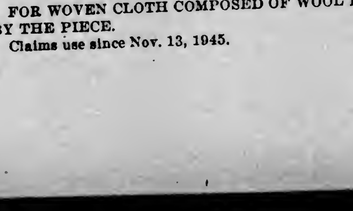
FOR HEMP, JUTE, AND COTTON FABRICS, WHICH ARE SOLD BY THE SQUARE YARD OR BY THE POUND.
Claims use since 1882.

Ser. No. 551,160. BERTHA BERMAN, doing business as Rock-a-Bye Sheet Co., Hewlett, N. Y. Filed Mar. 4, 1948.

Rock-a-bye

FOR BED SHEETS, PILLOW CASES, AND MATTRESS COVERS.
Claims use since Jan. 28, 1948.

Ser. No. 557,610. THE LAMPORT COMPANY, INC., New York, N. Y. Filed May 22, 1948.



FOR BED SHEETS, BEDSPREADS, PILLOW CASES.
Claims use since December 1946.

Ser. No. 557,954. PUTNAM MILLS CORPORATION, Putnam, Conn. Filed May 27, 1948.

Nyl-Glo

FOR TEXTILE FABRICS MADE FROM NYLON FIBERS.
Claims use since Mar. 27, 1948.

Ser. No. 558,962. S. STROOCK & CO. INC., New York, N. Y. Filed June 10, 1948.

LELANDRA

FOR WOVEN CLOTH COMPOSED OF WOOL FIBERS, BY THE PIECE.
Claims use since Nov. 13, 1945.

Ser. No. 561,217. STANBEE COMPANY, New York, N. Y. Filed July 12, 1948.



FOR LININGS, IN THE PIECE, FOR SHOES, HATS, BAGS AND FURNITURE FOUNDATIONS.
Claims use since May 1, 1948.

Ser. No. 562,844. GAMBLE-SKOGMO, INC., Minneapolis, Minn. Filed Aug. 5, 1948.



Haddon Hall

The mark is the name of a famous mansion of the Dukes of Rutland in England.
FOR TEXTILE AND WOOL CARPETS AND RUGS.
Claims use since June 10, 1948.

Ser. No. 565,347. LÉRON INC., New York, N. Y. Filed Sept. 17, 1948.

Léron

FOR LINENS—NAMELY, SHEETS, PILLOW CASES, AND TOWELS.
Claims use since Apr. 21, 1931.

Ser. No. 566,498. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 6, 1948.



Applicant claims ownership of Registrations Nos. 405,748 and 405,749.
FOR BILLIARD TABLE CLOTH.
Claims use since Jan. 1, 1945.

Ser. No. 567,862. GOLDING BROS. COMPANY, INC., New York, N. Y. Filed Oct. 29, 1948.

Sleeptone

FOR COATED AND UNCOATED UPHOLSTERY AND DRAPERY FABRICS OF COTTON, WOOL, AND SYNTHETIC FIBRES.
Claims use since Oct. 1, 1948.

Ser. No. 568,256. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, Slough, England. Filed Nov. 5, 1948.

TERYLENE

Applicant claims ownership of British Registration No. 646,994, dated Apr. 17, 1944.
FOR KNITTED, NETTED, AND TEXTILE FABRICS FOR CLOTHING, UPHOLSTERY, WALLHANGINGS, BEDDING, TABLE COVERS, TOWELLING, AND OTHER HOUSEHOLD USES, PARACHUTE AND BALLOON CLOTH, MADE WHOLLY OF SYNTHETIC FIBRES OR OF SYNTHETIC FIBRES IN ADMIXTURE WITH COTTON, WOOL, SILK, HAIR, FLAX, HEMP, OR JUTE.

Ser. No. 569,506. CONE EXPORT AND COMMISSION CO., INC., New York, N. Y. Filed Nov. 27, 1948.

WHITE OAK

FOR TEXTILE FABRICS IN THE PIECE—NAMELY, DENIMS.
Claims use since May 1905.

Ser. No. 569,940. DOMINION TEXTILE COMPANY LIMITED, Montreal, Quebec, Canada. Filed Nov. 29, 1948.

Tex-made

The word "Made" is disclaimed. Applicant claims ownership of Canadian Registrations Nos. N. S. 25,271, dated Apr. 18, 1947, and N. S. 25,272, dated Apr. 24, 1947.
FOR COTTON TEXTILE FABRICS.

Ser. No. 570,849. STANLEY H. GOLDSMITH, INC., Philadelphia, Pa. Filed Dec. 20, 1948. (Sec. 2f.)

British Bloom

Applicant claims ownership of Registration No. 331,104.
FOR FINISHED FABRICS OF SILK, WOOL, COTTON, LINEN, AND RAYON, SOLD IN THE PIECE.
Claims use since Jan. 5, 1934.

Ser. No. 571,528. HARRY GOLDINGER TEXTILE CORPORATION, Los Angeles, Calif. Filed Jan. 3, 1949.

Lei-Lani

FOR FABRICS OF COTTON, WOOLEN, SILK, AND SYNTHETIC FIBRES.
Claims use since Nov. 4, 1948.

Ser. No. 571,530. HARRY GOLDINGER TEXTILE CORPORATION, Los Angeles, Calif. Filed Jan. 3, 1949.

Texcotta

FOR FABRICS OF COTTON, WOOLEN, SILK, AND SYNTHETIC FIBRES.
Claims use since Nov. 4, 1948.

Ser. No. 571,630. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Jan. 5, 1949.

Norlur

FOR PILE FABRICS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, VISCOSE RAYON, GOAT HAIR, CELLULOSE ACETATE, SISAL COTTON, MOHAIR, AND WOOL.
Claims use since Nov. 30, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 573,026. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed Jan. 29, 1949.

PENHALER

FOR MEDICINAL DUST INHALER.
Claims use since Dec. 20, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 526,509. JANE B. SMITH & COMPANY, INC., Chicago, Ill. Filed July 5, 1947. (Sec. 2f.)

HOME-AID

Applicant claims ownership of Registration No. 158,541.
FOR SALAD DRESSING, FRENCH DRESSING, SAVORY FRENCH DRESSING, SANDWICH SPREAD, AND THOUSAND ISLAND DRESSING.
Claims use on salad dressing since Oct. 1, 1921; on sandwich spread, Thousand Island dressing and French dressing since 1931; and on savory French dressing since 1939.

Ser. No. 529,869. THE BORDEN COMPANY, New York, N. Y. Filed July 29, 1947. (Sec. 2f.)

Ration-ayd

Applicant claims ownership of Registration No. 385,258.
FOR FEED SUPPLEMENTS FOR POULTRY, LIVESTOCK AND OTHER ANIMALS, COMPRISING THE FOLLOWING INGREDIENTS: SOYBEAN OIL, SOYBEAN OIL MEAL, DRIED WHEY SOLUBLES, DRIED WHEY, DRIED MILK BY-PRODUCTS, FISH LIVER AND GLANDULAR MEAL, EMULSION OF FISH LIVER OIL, CONDENSED MOLASSES, VEGETABLE GUM, AND VARIOUS FORTIFYING AGENTS.
Claims use since Nov. 27, 1939.

Ser. No. 530,369. BLUHILL FOODS, INC., Denver, Colo. Filed Aug. 4, 1947.



The picture of the Indian is a fanciful one. Applicant claims ownership of Registration No. 374,731.
FOR SALAD DRESSINGS.
Claims use since Jan. 1, 1938.

Ser. No. 540,023. BARRON-GRAY PACKING COMPANY, San Jose, Calif., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii. Filed Nov. 4, 1947. (Sec. 2f.)

Rich-Ripe

The word "Ripe" is disclaimed. Applicant claims ownership of Registration No. 320,430.
FOR CANNED FRUIT AND CANNED FRUIT COCKTAIL.
Claims use since Nov. 11, 1933.

Ser. No. 540,443. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass. Filed Nov. 7, 1947. (Sec. 2f.)

CANADA

Applicant claims ownership of Registration No. 72,495.
FOR CANDY LOZENGES.
Claims use since 1890.

Ser. No. 545,196. VAN DUSEN HARRINGTON CO., operating through a division known as King Midas Flour Mills, Minneapolis, Minn. Filed Dec. 22, 1947.

THE GOLDEN TOUCH

The drawing is lined to indicate the color blue, but no claim is made to coloring as an essential characteristic of the mark.
FOR WHEAT FLOUR.
Claims use since Dec. 30, 1904.

Ser. No. 546,178. THE BAMA COMPANY, Birmingham, Ala. Filed Jan. 5, 1948.

Sweet-um

The word "Sweet" is disclaimed. Applicant claims ownership of Registrations Nos. 198,700 and 416,139.
FOR FRUIT JELLIES, FRUIT PRESERVES, JAMS, PEANUT BUTTER, APPLE BUTTER, SALAD DRESSING, RELISH SPREAD, AND MAYONNAISE.
Claims use since Aug. 1, 1924.

Ser. No. 546,209. FISHER DAIRY AND CHEESE COMPANY, Wapakoneta, Ohio. Filed Jan. 5, 1948.

RIB LAKE



FOR CHEESE.
Claims use since Dec. 1, 1943.

Ser. No. 547,799. VAN DUSEN HARRINGTON CO., Minneapolis, Minn., now by change of name from King Midas Mill Company, and also known as King Midas Flour Mills. Filed Jan. 22, 1948.

YELLOWSTONE

The drawing is lined to indicate colors but no claim is made to coloring as an essential characteristic of the mark.
FOR WHEAT FLOUR.
Claims use since 1906.

Ser. No. 554,658. HECTOR FERREIRA, Guaymas, Sonora, Mexico, assignor to Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico, a corporation of Mexico. Filed Apr. 15, 1948.

GUAYMEX

FOR FROZEN SHRIMP.
Claims use since Dec. 16, 1936.

Ser. No. 556,118. NIXON & COMPANY (NEBRASKA), Omaha, Nebr. Filed May 3, 1948.



The words "Triple Value, Linseed Meal, Soybean Meal," and "Cottonseed Meal" are disclaimed. Applicant claims ownership of Registration No. 413,441.
FOR FEEDS FOR LIVE STOCK CONSISTING OF A MIXTURE OF LINSEED MEAL, SOYBEAN MEAL AND COTTONSEED MEAL.
Claims use since Apr. 1, 1947.

Ser. No. 561,692. THE SILVER CANNING CO., Colora, Md. Filed July 19, 1948. (Sec. 2f as to "Silvers.")

SILVER'S PRIDE

FOR CANNED VEGETABLES.
Claims use since Apr. 9, 1913.

Ser. No. 563,955. SERV-AGEN CORPORATION, Philadelphia, Pa. Filed Aug. 24, 1948.



Applicant claims ownership of Registrations Nos. 323,378 and 402,622.
FOR PREPARATION MADE OF FLOUR, SALT, PROTEIN DERIVATIVE, BURNED SUGAR, DEHYDRATED VEGETABLES AND SPICES TO BE USED FOR MAKING GRAVY, DESSERT POWDERS FOR MAKING OF CHOCOLATE AND BUTTERSCOTCH DESSERTS, FOOD FLAVORING EXTRACTS, SPICES, PREPARATION MADE OF WHEAT, PROTEIN DERIVATIVE, VEGETABLE OIL, SALT, CORN SYRUP, SPICES AND VEGETABLES TO BE USED AS A PREPARATION FOR SOUPS, DEHYDRATED VEGETABLES, COCOA AND MARSHMALLOW CREME, COCOA AND STRAWBERRY FLAVORED GELATIN FOR THE MAKING OF DESSERT.
Claims use since Aug. 24, 1934.

Ser. No. 564,041. THE MOREY MERCANTILE COMPANY, Denver, Colo. Filed May 15, 1948.

Solitaire

Applicant claims ownership of Registrations Nos. 52,130, 64,380, 122,514, 66,038, 68,490, 68,642, 91,364, and 113,618.
FOR CEREAL BREAKFAST FOOD, POP CORN IN ITS NATURAL STATE, CITRON PEEL HALVES, LEMON PEEL HALVES, AND ORANGE PEEL HALVES.
Claims use since Oct. 1, 1916.

Ser. No. 567,320. MAJESTIC FLOUR MILL, Memphis, Tenn. Filed Aug. 13, 1948.



FOR WHEAT FLOUR.
Claims use since 1908.

Ser. No. 567,577. GRISTEDE BROS., INC., New York, N. Y. Filed Oct. 25, 1948.



Applicant claims ownership of Registration No. 354,838.
FOR TEA.
Claims use since Sept. 1, 1948.

Ser. No. 568,042. COMMANDER-LARABEE MILLING COMPANY, doing business as Stokes Milling Company, Minneapolis, Minn. Filed Nov. 2, 1948.

CRITERION

Applicant claims ownership of Registration No. 77,011.
FOR WHEAT FLOUR.
Claims use since Aug. 1, 1909.

Ser. No. 568,998. ESKIMO PIE CORPORATION, Bloomfield, N. J. Filed Nov. 18, 1948.

"YUCCATAN"

FOR COCOA BASE COATING FOR FROZEN FOODS, PARTICULARLY ICE CREAM, SHERBETS, AND WATER ICES.
Claims use since Aug. 16, 1948.

Ser. No. 569,512. EXETER FRUIT ASSOCIATION, Exeter, Calif. Filed Nov. 27, 1948.

SETTER

Applicant claims ownership of Registration No. 259,562.
FOR FRESH GRAPES.
Claims use since May 1, 1928.

Ser. No. 570,620. LINDSAY CO-OPERATIVE CITRUS ASSOCIATION, Lindsay, Calif. Filed Dec. 16, 1948.

GOLDEN CHIMES

Applicant claims ownership of Registration No. 173,826.
FOR FRESH CITRUS FRUIT.
Claims use since 1935.

Ser. No. 570,622. LINDSAY CO-OPERATIVE CITRUS ASSOCIATION, Lindsay, Calif. Filed Dec. 16, 1948.

SILVER CHIMES

Applicant claims ownership of Registration No. 173,826.
FOR FRESH CITRUS FRUIT.
Claims use since 1935.

Ser. No. 571,016. DUNDEE CITRUS GROWERS ASSN., Dundee, Fla. Filed Dec. 23, 1948.

DUN-D

The drawing is lined for shading only.
FOR FRESH CITRUS FRUITS.
Claims use since Sept. 15, 1924.

Ser. No. 571,194. THE BORDEN COMPANY, New York, N. Y. Filed Dec. 28, 1948.

Bremil

FOR POWDERED INFANT FOOD CONTAINING THE FOLLOWING INGREDIENTS: SKIM MILK, LACTOSE, LACTALBUMIN, VEGETABLE OILS, LECITHIN, VITAMINS A AND D CONCENTRATE FROM FISH LIVER OIL, THIAMINE, RIBOFLAVIN, AND IRON CITRATE.
Claims use since Oct. 18, 1948.

Ser. No. 571,331. CHARLES KILLGORE COMPANY, INC., Yonkers, N. Y. Filed Dec. 30, 1948.

HAPPY DIET BAR

No claim is made to the exclusive use of the words "Diet" and "Bar" apart from the mark as shown.
FOR DIETETIC CANDY SUBSTITUTE.
Claims use since Dec. 15, 1948.

Ser. No. 571,357. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Dec. 30, 1948. (Sec. 2f.)

PETTIJOHNS

Applicant claims ownership of Registration No. 177,100
FOR ROLLED WHEAT.
Claims use since Oct. 28, 1890.

Ser. No. 571,677. CALEVAS LABORATORIES, Washington, D. C. Filed Jan. 5, 1949.

POT LUCK

FOR KITCHEN SAUCE COMPRISED PRINCIPALLY OF VEGETABLE PROTEIN DERIVATIVES, VEGETABLE EXTRACTIONS, AND SPICES.
Claims use since Sept. 27, 1948.

Ser. No. 572,260. NEW ENGLAND CRANBERRY SALES COMPANY, Middleboro, Mass. Filed Jan. 15, 1949.

HONKER



Applicant claims ownership of Registration No. 72,121
FOR FRESH CRANBERRIES.
Claims use since Oct. 23, 1907.

Ser. No. 572,261. NEW ENGLAND CRANBERRY SALES COMPANY, Middleboro, Mass. Filed Jan. 15, 1949.

MAYFLOWER



Applicant claims ownership of Registration No. 72,104.
FOR FRESH CRANBERRIES.
Claims use since Sept. 14, 1907.

Ser. No. 572,262. NEW ENGLAND CRANBERRY SALES COMPANY, Middleboro, Mass. Filed Jan. 15, 1949.

MISTLETOE



Applicant claims ownership of Registration No. 72,107.
FOR FRESH CRANBERRIES.
Claims use since Oct. 25, 1907.

Ser. No. 572,263. NEW ENGLAND CRANBERRY SALES COMPANY, Middleboro, Mass. Filed Jan. 15, 1949.

SANTA CLAUS



Applicant claims ownership of Registration No. 72,106.
FOR FRESH CRANBERRIES.
Claims use since Oct. 26, 1907.

Ser. No. 572,264. NEW ENGLAND CRANBERRY SALES COMPANY, Middleboro, Mass. Filed Jan. 15, 1949.

SKIPPER



The representation of the person is fanciful. Applicant claims ownership of Registration No. 72,122.
FOR FRESH CRANBERRIES.
Claims use since Sept. 10, 1907.

Ser. No. 573,423. GLADE CANDY CO., Salt Lake City, Utah. Filed Feb. 7, 1949.

Rugged West

Applicant claims ownership of registration No. 415,213.
FOR CANDY.
Claims use since Nov. 1, 1944.

Ser. No. 574,002. WESLEY CRAWFORD & SON, Tacoma, Wash. Filed Feb. 16, 1949.

RUBY GEMS

FOR FRESH TOMATOES.
Claims use since February 1946.

CLASS 47

WINES

Ser. No. 575,680. SUNSET INCORPORATED, Chicago, Ill. Filed Mar. 18, 1949.

QUEEN ESTHER

FOR WINE.
Claims use since Feb. 15, 1949.

Ser. No. 575,881. WINE GROWERS GUILD, doing business as Citation Wine Co., Lodi, Calif. Filed Mar. 22, 1949.

Citation

FOR WINES.
Claims use since Jan. 22, 1946.

Ser. No. 575,882. WINE GROWERS GUILD, doing business as Festival Wine Cellars, Lodi, Calif. Filed Mar. 22, 1949.



The picture of the girl is fanciful. Applicant claims ownership of Registration No. 345,494.
FOR WINES.
Claims use since Dec. 22, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 574,809. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed Mar. 3, 1949.

ANCO

Applicant claims ownership of Registrations Nos. 329,091, 330,305, and others.
FOR VODKA.
Claims use since Feb. 4, 1949.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 554,372. THE FELT ASSOCIATION, New York, N. Y. Filed Apr. 12, 1948. COLLECTIVE MARK.



The drawing is lined for red and gray. The words "Felt Assn." and "Member" are disclaimed.
FOR PRESSED WOOL FELT.
Claims use since June 11, 1947.

Ser. No. 561,874. EDMUND C. BARBERA, doing business as Barbera Plastic Originals, New York, N. Y. Filed July 22, 1948.

Manikinaire

FOR INFLATABLE MANNIKIN FIGURES.
Claims use since Sept. 7, 1947.

Ser. No. 567,585. ANDREW H. JOHNSON, Shreveport, La. Filed Oct. 25, 1948.

'Nite-Glo'

FOR CONCRETE BLOCK AS A HOUSEMARKER WITH REFLECTIVE NUMBERS ON IT.
Claims use since July 1, 1946.

Ser. No. 573,178. HARFORD METAL PRODUCTS, INC., Aberdeen, Md. Filed Feb. 2, 1949.

the "ONLY" CAGE

The word "Cage" is disclaimed.
FOR POULTRY BATTERY CAGES.
Claims use since June 15, 1936.

Ser. No. 573,677. POSTERLOID CORPORATION, New York, N. Y. Filed Feb. 10, 1949.

POSTERLOID

FOR PLASTIC AND/OR CARDBOARD DISPLAY CARDS AND SIGNS SUCH AS ARE USED IN RESTAURANTS, HOTEL LOBBIES, TRANSPORTATION BUREAUS, AND SMALL RETAIL SHOPS, AND BULLETIN BOARDS.
Claims use since Apr. 17, 1940.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 568,722. CATHERINE C. FENTON, Waterbury, Conn. Filed Nov. 13, 1948.

Fentone

Applicant claims ownership of Registration No. 269,273.
FOR TONIC AND SHAMPOO FOR THE TREATMENT OF THE HAIR AND SCALP, COSMETIC ASTRINGENTS, COLD CREAM, COSMETIC BODY LOTION, COSMETIC FOOT LOTION, COSMETIC HAND LOTION, COSMETIC DEODORANT LOTION FOR PERSONAL USE, COSMETIC WAVE LOTION, HAIR OIL, HAIR POMADE, PERFUMES, TOILET WATER, FACE POWDER, DUSTING POWDER, BATH SALTS, COSMETIC FACE PACK, COSMETIC GRAIN MEAL FACE BAG, AND BATH POWDER.
Claims use since Nov. 9, 1928.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 568,722. CATHERINE C. FENTON, Waterbury, Conn. Filed Nov. 13, 1948. (Classified in Class 51.)

Fentone

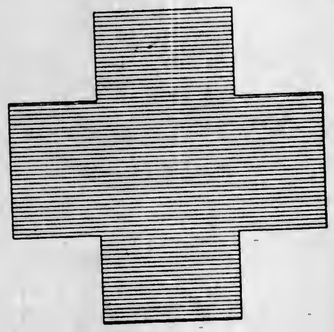
Applicant claims ownership of Registration No. 269,273.
FOR TONIC AND SHAMPOO FOR THE TREATMENT OF THE HAIR AND SCALP, COSMETIC ASTRINGENTS, COLD CREAM, COSMETIC BODY LOTION, COSMETIC FOOT LOTION, COSMETIC HAND LOTION, COSMETIC DEODORANT LOTION FOR PERSONAL USE, COSMETIC WAVE LOTION, HAIR OIL, HAIR POMADE, PERFUMES, TOILET WATER, FACE POWDER, DUSTING POWDER, BATH SALTS, COSMETIC FACE PACK, COSMETIC GRAIN MEAL FACE BAG, AND BATH POWDER.
Claims use since Nov. 9, 1928.

SERVICE MARKS

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 531,753. AMERICAN HOSPITAL ASSOCIATION, Chicago, Ill. Filed Aug. 19, 1947.



The drawing is lined for blue.
FOR DISTRIBUTION OF HOSPITAL CARE ON A PRE-PAYMENT FINANCING BASIS.
Claims use since December 1934.

Ser. No. 535,447. AMERICAN HOSPITAL ASSOCIATION, Chicago, Ill. Filed Sept. 24, 1947.



The drawing is lined for blue. The expression "Nisi-Dominus-Frustra" is the Latin for "Without God, All Is Lost."
FOR DISTRIBUTION OF HOSPITAL CARE ON A PRE-PAYMENT FINANCING BASIS.
Claims use since August 1938.

Ser. No. 536,214. AMERICAN HOSPITAL ASSOCIATION, Chicago, Ill. Filed Sept. 30, 1947.

BLUE CROSS

FOR DISTRIBUTION OF HOSPITAL CARE ON A PRE-PAYMENT FINANCING BASIS.
Claims use since December 1934.

Ser. No. 549,601. AMERICAN HOSPITAL ASSOCIATION, Chicago, Ill. Filed Feb. 13, 1948.

Blue Cross Plan

The word "Plan" is disclaimed.
FOR DISTRIBUTION OF HOSPITAL CARE ON A PRE-PAYMENT FINANCING BASIS.
Claims use since December 1934.

Ser. No. 552,188. VERMONT ACCIDENT INSURANCE COMPANY, Rutland, Vt. Filed Mar. 17, 1948.

BLUE CROSS - BLUE STAR PLAN



The word "Plan" is disclaimed.
FOR HOSPITALIZATION INSURANCE.
Claims use since Mar. 22, 1946.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 532,411. BETZOLD FUR CLEANERS, Philadelphia, Pa. Filed Aug. 20, 1947.



The word "Pelt" is disclaimed.
FOR TREATMENT—NAMELY, MOTH PROOFING AND CLEANING OF FURS AND FUR GARMENTS.
Claims use since Mar. 29, 1937.

CLASS 106

MATERIAL TREATMENT

Ser. No. 532,411. BETZOLD FUR CLEANERS, Philadelphia, Pa. Filed Aug. 20, 1947. (Classified in Class 103.)



The word "Pelt" is disclaimed.
FOR TREATMENT—NAMELY, MOTH PROOFING AND CLEANING OF FURS AND FUR GARMENTS.
Claims use since Mar. 29, 1937.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 536,030. AMERICAN HOSPITAL ASSOCIATION, Chicago, Ill. Filed Sept. 29, 1947.



The words "Nisi-Dominus-Frustra" are Latin for "Without God, All Is Lost."
FOR EDUCATIONAL AND INFORMATIONAL SERVICES TO ITS MEMBER HOSPITALS WITH RESPECT TO IMPROVEMENT OF THE QUALITY AND DISTRIBUTION OF HOSPITAL CARE AND LIAISON SERVICES BETWEEN ITS MEMBER HOSPITALS AND THE GOVERNMENT AND THE GENERAL PUBLIC WITH RESPECT TO PROBLEMS WHICH ARE OF INTEREST IN THE HOSPITAL FIELD.
Claims use since Oct. 10, 1927.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,762. RUM. LICORERIA ROSES, INC., Arecibo, P. R. Filed May 18, 1945, Serial No. 483,540. Published Apr. 30, 1946. Class 49.

443,763. ANTISEPTIC OINTMENT. PFEIFFER CHEMICAL COMPANY, New York, N. Y., assignor to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware.
Filed May 23, 1945, Serial No. 483,696. Published Dec. 23, 1947. Class 18.

443,764. FILLED INSECTICIDE DISPENSERS WITH CONTROL VALVES. KNAPP-MONARCH COMPANY, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware.
Filed Feb. 13, 1946, Serial No. 496,512. Published Oct. 18, 1949. Class 23.

443,765. HAMS; BACON; BUTTER; BUTTERINE; LARD; EDIBLE FATS—NAMELY, HIGH GRADE TALLOWS, ETC. QUEENSLAND MEAT EXPORT COMPANY, LIMITED, Brisbane, Queensland, Australia.
Filed Apr. 23, 1946, Serial No. 500,772. Published Nov. 15, 1949. Class 46.

443,766. COMBINATION FILTER-LUBRICATOR DESIGNED TO BE MOUNTED IN A COMPRESSED AIR LINE USED IN DRIVING POWER TOOLS, ETC. CCA PRODUCTS ENGINEERING COMPANY, Glendale, Calif.
Filed May 10, 1946, Serial No. 501,819. Published Oct. 4, 1949. Class 23.

443,767. POWER OPERATED MATERIAL HANDLING APPLIANCES — NAMELY, TRACTOR LOADERS AND SHOVELS. THE FRANK G. HOUGH CO., Libertyville, Ill.
Filed June 5, 1946, Serial No. 503,292. Published Nov. 8, 1949. Class 23.

443,768. LADIES' DRESSES. FALCHICK DRESS CO., INC., New York, N. Y.
Filed July 23, 1946, Serial No. 506,102. Published Jan. 18, 1949. Class 39.

443,769. AKVAVIT AND LIQUEURS. A/S DANSK HANDELS- OG INDUSTRIE-COMPAGNI (DANISCO), Copenhagen, Denmark.
Filed Nov. 21, 1946, Serial No. 512,950. Published Nov. 15, 1949. Class 49.

443,770. AGRICULTURAL IMPLEMENTS—NAMELY, CORRUGATORS. CLARK L. ROBERTS, doing business as Valley Mound Supply Company, Nampa, Idaho.
Filed Dec. 18, 1946, Serial No. 514,497. Published Oct. 25, 1949. Class 23.

443,771. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Feb. 26, 1947, Serial No. 518,172. Published Nov. 8, 1949. Class 39.

443,772. CANNED VEGETABLES. GUDE & COLE CORP., Newark, N. J.
Filed June 28, 1947, Serial No. 525,079. Published Nov. 8, 1949. Class 46.

443,773. CRACKER WAFERS, CROUTONS, AND CHOW MEIN NOODLES. NORTHSHIRE BAKERS, Paterson, N. J.
Filed June 30, 1947, Serial No. 525,236. Published Nov. 15, 1949. Class 46.

443,774. RADIAL BALL BEARINGS OF THE LISTED DIFFERENT TYPES; SINGLE ROW BALL BEARINGS, ETC. BEARINGS COMPANY OF AMERICA, Lancaster, Pa.
Filed July 1, 1947, Serial No. 525,286. Published July 20, 1948. Class 23.

443,775. WHISKEY. BOHEMIAN DISTRIBUTING COMPANY, also doing business as International Products Company, Los Angeles, Calif.
Filed July 1, 1947, Serial No. 525,475. Published Nov. 15, 1949. Class 49.

443,776. WOMEN'S SLIPS, NIGHT GOWNS, AND UNDERWEAR. SOUTH SEAS TRADING CORP., New York, N. Y.
Filed July 3, 1947, Serial No. 525,968. Published Jan. 27, 1948. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

521,076. IMITATION OLIVE OIL FLAVORING IN THE FORM OF AN OIL AND USED AS AN ADDITION TO VEGETABLE OILS USED IN COOKING AND IN SALADS. FLORASYNTH LABORATORIES INCORPORATED, New York, N. Y.
Original filed, act of 1905, Jan. 10, 1946; amended to application under act of 1946, Principal Register, June 12, 1948, Serial No. 494,553. Published Nov. 15, 1949. Class 46.

521,077. CANDY COATED ALMONDS. CHASE CANDY COMPANY, St. Louis, Mo., assignee of Clinton Industries, Inc.
Original filed, act of 1905, Mar. 20, 1946; amended to application under act of 1946, Principal Register, July 10, 1948, Serial No. 498,594. Published Nov. 8, 1949. Class 46.

521,078. SEMI-TRAILERS, SUCH AS VANS AND TRUCK TRAILERS, ADAPTED TO BE COUPLED TO A MOTOR DRIVEN CAB OR TRACTOR. GRAMM TRAILER CORPORATION, Delphos, Ohio.
Original filed, act of 1905, Aug. 6, 1946; amended to application under act of 1946, Principal Register, Nov. 20, 1948, Serial No. 506,926. Published Nov. 15, 1949. Class 19.

521,079. DEODORANT AND ANTIPERSPIRANT. THE PHARMA-CRAFT CORPORATION, New York, N. Y.
Original filed, act of 1905, Aug. 29, 1946; amended to application under act of 1946, Principal Register, Oct. 23, 1948, Serial No. 508,242. Published Oct. 25, 1949. Class 51.

521,080. COMBINATION COMPRESSOR AND TRACTOR UNITS. LE ROI COMPANY, Milwaukee, Wis.
Original filed, act of 1905, Aug. 31, 1946; amended to application under act of 1946, Principal Register, Oct. 4, 1948, Serial No. 508,384. Published Nov. 1, 1949. Class 23.

521,081. COFFEE, CANNED PINTO BEANS COOKED WITH TOMATO PUREE, BEEF FAT, SPICES, SALT, SEASONING, AND SUGAR, ETC. WAPLES-PLATTER COMPANY, doing business as Great Western Foods Company, Fort Worth, Tex.
Original filed, act of 1905, Sept. 6, 1946; amended to application under act of 1946, Principal Register, Sept. 12, 1947, Serial No. 508,633. Published Nov. 15, 1949. Class 46.

521,082. COD LIVER OIL USED AS AN INGREDIENT IN FOODS FOR HUMAN CONSUMPTION AND FOODS FOR POULTRY, SWINE, AND OTHER LIVE-STOCK. BRITISH COD LIVER OILS (HULL & GRIMSBY) LIMITED, Hull, England.
Original filed, act of 1905, Sept. 20, 1946; amended to application under act of 1946, Principal Register, Feb. 18, 1949, Serial No. 509,392. Published Nov. 8, 1949. Class 46.

521,083. RADAR APPARATUS—NAMELY, APPARATUS FOR DETECTING AND LOCATING OBJECTS BY THE USE OF RADIATED ELECTROMAGNETIC ENERGY. RAYTHEON MANUFACTURING COMPANY, Newton, Mass.
Original filed, act of 1905, Sept. 26, 1946; amended to application under act of 1946, Principal Register, Dec. 6, 1948, Serial No. 509,792. Published Oct. 11, 1949. Class 26.

521,084. CONVEYING EQUIPMENT—NAMELY, A FLAT SURFACE CAUSEWAY IN THE NATURE OF A PLATFORM CONTAINING BALL ROLLERS ON WHICH MATERIALS MAY BE READILY MOVED FROM ONE LOCATION TO ANOTHER. LAMB-GRAYS HARBOR COMPANY, INC., Hoquiam, Wash., assignee of Lamb-Grays Harbor Company.
Original filed, act of 1905, Nov. 15, 1946; amended to application under act of 1946, Principal Register, Jan. 17, 1949, Serial No. 512,676. Published Nov. 8, 1949. Class 23.

521,085. INSECTICIDES, BACTERICIDES, AND PREPARATIONS FOR PEST CONTROL. HYMAN RICHARD RICH, doing business as The Rid-All Laboratories, Chicago, Ill.
Original filed, act of 1905, Jan. 15, 1947; amended to application under act of 1946, Principal Register, Aug. 21, 1947, Serial No. 515,792. Published Nov. 1, 1949. Class 6.

521,086. AUTOMOBILE SEAT COVERS AND BICYCLES. WILLIAM S. MOORE, doing business as Moore's of Ohio, Newark, Ohio.
Original filed, act of 1905, Mar. 6, 1947; amended to application under act of 1946, Principal Register, Apr. 20, 1948, Serial No. 518,616. Published Nov. 15, 1949. Class 19.

521,087. PURIFIER MACHINE COMPRISED OF A PUMP, MOTOR, AND TANK CONNECTED THEREWITH, WITH FILTERS, ETC. HONAN-CRANE CORPORATION, Lebanon, Ind.
Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Principal Register, Sept. 20, 1948. Serial No. 520,165. Published Nov. 1, 1949. Class 23.

521,088. CANDY. NUTRINE CANDY COMPANY, Chicago, Ill.
Original filed, act of 1905, Apr. 17, 1947; amended to application under act of 1946, Principal Register, July 26, 1947, Serial No. 520,888. Published Nov. 8, 1949. Class 46.

521,089. TIRE TUBE PATCH AND VALVE STEM VULCANIZING KITS SOLD AS A UNIT AND CONSISTING OF: A VULCANIZER CLAMP IN WHICH THE HEAT FOR VULCANIZATION IS SUPPLIED ELECTRICALLY AND THE HEATING PERIOD IS AUTOMATICALLY TIMED, ETC. J. W. SPEAKER CORPORATION, Milwaukee, Wis.
Original filed, act of 1905, Apr. 23, 1947; amended to application under act of 1946, Principal Register, Apr. 21, 1948, Serial No. 521,308. Published Oct. 18, 1949. Class 23.

521,090. RODENT TRAPS. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa.
Original filed, act of 1905, May 9, 1947; amended to application under act of 1946, Principal Register, Nov. 21, 1947, Serial No. 522,158. Published Nov. 1, 1949. Class 50.

521,091. FABRIC WORK GLOVES. TENNESSEE GLOVE COMPANY, Tullahoma, Tenn.
Original filed, act of 1905, May 10, 1947; amended to application under act of 1946, Principal Register, Apr. 27, 1949, Serial No. 522,212. Published Nov. 8, 1949. Class 39.

521,092. NITRATE CELLULOSE LACQUERS. COATING MATERIALS LABORATORIES, INC., Belleville, N. J.
Original filed, act of 1905, May 23, 1947; amended to application under act of 1946, Principal Register, Nov. 15, 1947, Serial No. 522,882. Published Mar. 15, 1949. Class 16.

521,093. CLAMSHELL BUCKETS; RAILWAY SWITCHES AND PARTS THEREOF; SWITCH STANDS AND PARTS THEREOF; ETC. PETTIBONE MULLIKEN CORPORATION, Chicago, Ill.
Original filed, act of 1905, June 16, 1947; amended to application under act of 1946, Principal Register, Oct. 29, 1948, Serial No. 524,254. Published Nov. 1, 1949. Class 23.

521,094. HAMS, BACON, LARD, SAUSAGE, FRANKFURTERS, SMOKED PORK SHOULDER BUTTS, PIGS FEET, SOUSE, AND MEAT SANDWICH LOAVES. MICKELBERRY'S FOOD PRODUCTS COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,257. Published Nov. 15, 1949. Class 46.

521,095. DETERGENT FOR USE AS A SOAP SUBSTITUTE. FRONTIER PRODUCTS COMPANY, St. Louis, Mo., assignor to Joseph M. Hohn, doing business as Frontier Products Company.
Filed July 5, 1947, Serial No. 527,418. Published Sept. 27, 1949. Class 52.

521,096. WRITING FLUIDS. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa.
Filed July 5, 1947, Serial No. 527,919. Published Nov. 22, 1949. Class 11.

521,097. FOUNDATION GARMENTS, GIRDLES, AND BRASSIÈRES. THE NEATFORM CO. INC., New York, N. Y.
Filed July 10, 1947, Serial No. 528,305. Published Nov. 8, 1949. Class 39.

521,098. JOURNAL BOXES, JOURNAL BOX LIDS, SIDE BEARINGS, AND SNUBBERS FOR RAILWAY TRUCKS. THE SYMINGTON-GOULD CORPORATION, Rochester and Depew, N. Y.
Filed July 18, 1947, Serial No. 528,897. Published Nov. 8, 1949. Class 19.

521,099. MOTOR VEHICLE BODIES AND BODY PARTS—NAMELY, WINDSHIELDS, ETC. H. G. J. FRANK, doing business as Johnny Franks Auto Parts Co., Houston, Tex.
Filed July 21, 1947, Serial No. 528,998. Published Nov. 8, 1949. Class 19.

521,100. FABRIC WORK GLOVES. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,021. Published Mar. 29, 1949. Class 39.

521,101. MEN'S AND BOYS' PAJAMAS, ATHLETIC SHORTS, AND NEGLIGEE AND DRESS SHIRTS. KNOTHE BROTHERS CO. INC., New York, N. Y.
Filed July 23, 1947, Serial No. 529,274. Published Apr. 19, 1949. Class 39.

521,102. CARBURETORS AND ACCESSORIES THEREFOR, AND PARTS THEREOF. BENDIX AVIATION CORPORATION, South Bend, Ind.
Filed July 31, 1947, Serial No. 530,055. Published Nov. 15, 1949. Class 23.

521,103. FRESH OYSTERS. SCHNEIDER'S OYSTER CO. INC., Buffalo, N. Y.
Filed Aug. 1, 1947, Serial No. 530,257. Published Nov. 15, 1949. Class 46.

521,104. TENTS AND PAULINS. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed Aug. 12, 1947, Serial No. 531,131. Published Nov. 1, 1949. Class 50.

521,105. LOGGING AND RIGGING EQUIPMENT—NAMELY, TACKLE BLOCKS, SWIVELS, CLEVISES, CARRIAGE BLOCKS, FAIRLEADS, RIGGING HOOKS, ETC. YOUNG IRON WORKS, INC., Seattle, Wash.
Filed Aug. 15, 1947, Serial No. 531,570. Published Nov. 8, 1949. Class 23.

521,106. MOTORCYCLES, SIDE-CARS, AND THREE-WHEELED SERVICE AND DELIVERY VEHICLES. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis.
Filed Aug. 16, 1947, Serial No. 531,594. Published Oct. 11, 1949. Class 19.

521,107. FOOTWEAR MADE OF RUBBER AND OF COMBINATIONS OF RUBBER AND FABRIC AND OF RUBBER AND LEATHER—NAMELY, BOOTS, SHOES, ETC. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed Aug. 19, 1947, Serial No. 531,819. Published Feb. 22, 1949. Class 39.

521,108. CENTRIFUGAL PUMPS, WATER CIRCULATORS FOR USE IN HOT WATER HEATING SYSTEMS AND WATER PUMPS. STANDARD ELECTRIC MANUFACTURING COMPANY, West Berlin, N. J.
Filed Aug. 19, 1947, Serial No. 531,858. Published Oct. 4, 1949. Class 23.

521,109. WOMEN'S AND MISSES' SLIPS. LADY ESTER LINGERIE CORPORATION, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,438. Published Nov. 8, 1949. Class 39.

521,110. HOSIERY. MOJUD HOSIERY CO., INC., Long Island City, N. Y.
Filed Aug. 29, 1947, Serial No. 532,855. Published Nov. 15, 1949. Class 39.

521,111. FARM MACHINERY—NAMELY, HAY LOADERS, HAY AND STRAW STACKERS AND RAKES. NEW METHOD EQUIPMENT COMPANY, Indianola, Iowa.
Filed July 5, 1947, Serial No. 533,427. Published Oct. 18, 1949. Class 23.

521,112. DRY MATS. WOOD FLONG CORPORATION, Hoosick Falls, N. Y.
Filed Sept. 4, 1947, Serial No. 533,814. Published Oct. 4, 1949. Class 50.

521,113. MACHINERY USED IN THE TEXTILE INDUSTRY—NAMELY, CRUSHING APPARATUS FOR BREAKING UP FOREIGN BODIES IN THE WEB AS PRODUCED ON CARDING MACHINES, AND PARTS THEREOF. HUBERT DUESBERG, Heusy-Verviers, Belgium.
Filed Sept. 9, 1947, Serial No. 533,853. Published Oct. 11, 1949. Class 28.

521,114. DETERGENT FOR CLEANSING THE SKIN, METAL, KITCHEN-UTENSILS, ENAMEL TILE, GLASSWARE, RANGES, REFRIGERATORS, AND SIMILAR ARTICLES. THE UTILITY CO., INC., New York, N. Y.
Filed Sept. 13, 1947, Serial No. 534,489. Published Oct. 18, 1949. Class 52.

521,115. CANDY. PHOEBE PHELPS CARAMEL COMPANY, INC., Boston, Mass.
Filed Sept. 16, 1947, Serial No. 534,671. Published Nov. 15, 1949. Class 46.

521,116. BRAS, BREECHES, AND COMBINATIONS—NAMELY, FOUNDATION GARMENTS IN ONE PIECE COMBINING THE FEATURES OF A BRASSIÈRE AND THOSE OF A GIRDLE. THE FORMFIT COMPANY, Chicago, Ill.
Filed Sept. 16, 1947, Serial No. 534,710. Published Oct. 25, 1949. Class 39.

521,117. CENTRIFUGAL PUMPS AND PARTS THEREOF. THE LA BOUR COMPANY, INC., Elkhart, Ind.
Filed Sept. 20, 1947, Serial No. 535,164. Published Nov. 8, 1949. Class 23.

521,118. FARM WAGONS, UTILITY TRAILERS, AND ACCESSORIES THEREFOR—NAMELY, WAGON BODIES, TONGUES, WHEELS, AXLES, AND HUB CAPS. HATFIELD INDUSTRIES, INC., Hatfield, Pa.
Filed Sept. 29, 1947, Serial No. 536,080. Published Nov. 15, 1949. Class 19.

521,119. OFFSET DISC HARROWS. ROCKET IMPLEMENT CO., INC., Clearwater, Calif.
Filed Sept. 29, 1947, Serial No. 536,137. Published Oct. 4, 1949. Class 23.

521,120. SHOE TREES. ROCHESTER SHOE TREE CO., INC., Rochester, N. Y.
Filed Sept. 30, 1947, Serial No. 536,290. Published Nov. 1, 1949. Class 50.

521,121. FRESH CITRUS FRUITS. EADINGTON FRUIT CO., Fullerton, Calif.
Filed Oct. 6, 1947, Serial No. 536,880. Published Nov. 8, 1949. Class 46.

521,122. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,056. Published Nov. 15, 1949. Class 46.

521,123. TROUSERS, MEN'S AND BOYS' OUTERSHIRTS, AND JACKETS. OBERMAN & COMPANY, Jefferson City, Mo., and New York, N. Y.
Filed Oct. 8, 1947, Serial No. 537,226. Published Nov. 8, 1949. Class 39.

521,124. INDUSTRIAL CRUSHERS—NAMELY, ORE CRUSHERS, ETC. GRUENDLER CRUSHER AND PULVERIZER CO., St. Louis, Mo.
Filed Oct. 17, 1947, Serial No. 538,128. Published Nov. 8, 1949. Class 23.

521,125. AUTOMOTIVE PARTS CONSISTING OF BEARINGS AND PISTONS. JOHN G. HOLLIN, doing business as International Export Company, San Francisco, Calif.
Filed Oct. 20, 1947, Serial No. 538,413. Published Nov. 1, 1949. Class 23.

521,126. FARM IMPLEMENTS OF ALL KINDS—NAMELY: PLOWS—NAMELY, WALKING PLOWS, BRUSH BREAKERS (PLOWS FOR TURNING BRUSH AND DEPOSITING SOIL THEREON), ROAD PLOWS, ETC. COCKSHUTT PLOW COMPANY, LIMITED, Brantford, Ontario, Canada.
Filed Oct. 24, 1947, Serial No. 538,888. Published Nov. 1, 1949. Class 23.

521,127. REAR-VIEW AUTOMOBILE MIRRORS. WHITEHEAD STAMPING COMPANY, Detroit, Mich.
Filed Oct. 27, 1947, Serial No. 539,250. Published Nov. 15, 1949. Class 19.

521,128. WORK GLOVES MADE OF FABRIC. C. WALKER JONES COMPANY, Philadelphia, Pa.
Filed Oct. 31, 1947, Serial No. 539,707. Published Mar. 15, 1949. Class 39.

521,129. MUD MIXING GUNS AND PARTS FOR THE SAME, SWIVEL JOINTS FOR FLUID CONDUITS AND PARTS FOR THE SAME, ETC. CHIKSAN COMPANY, Brea, Calif.
Filed Nov. 4, 1947, Serial No. 540,034. Published Oct. 4, 1949. Class 23.

521,130. PALLETS, WHICH ARE LOAD-SUPPORTING PLATFORMS, BASES, PANELS, OR SKIDS. RATHBORNE, HAIR & RIDGWAY COMPANY, Chicago, Ill.
Filed Nov. 4, 1947, Serial No. 540,107. Published Oct. 4, 1949. Class 50.

521,131. MATS OF HARD-BOARDS MADE OF COMPOSITION MATERIAL SUCH AS WOOD FIBER AND THE LIKE TO BE PLACED UNDER CHAIRS. JERSEY CARPET CORPORATION, Passaic, N. J.
Filed Nov. 6, 1947, Serial No. 540,283. Published Nov. 1, 1949. Class 50.

521,132. FOOD PRODUCTS — NAMELY, CANNED FRUITS, CANNED VEGETABLES, CANNED BERRIES, ETC. HAAS BROTHERS, San Francisco, Calif.
Filed Nov. 10, 1947, Serial No. 540,667. Published Mar. 8, 1949. Class 46.

521,133. MILKING MACHINES AND PARTS THEREOF. BABSON BROS. CO., Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,764. Published Oct. 25, 1949. Class 23.

521,134. VEHICLE HEATERS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed Nov. 14, 1947, Serial No. 541,105. Published Nov. 15, 1949. Class 19.

521,135. OIL WELL TOOLS—NAMELY, REVERSING TOOLS, ETC. HOUSTON ENGINEERS, INC., Houston, Tex.
Filed Nov. 17, 1947, Serial No. 541,421. Published Nov. 1, 1949. Class 23.

521,136. BICYCLES, STROLLERS, AND WALKER STROLLERS. THE FRANK F. TAYLOR COMPANY, Norwood, Ohio.
Filed Nov. 18, 1947, Serial No. 541,603. Published Nov. 15, 1949. Class 19.

521,137. CERTAIN NAMED ARTICLE OF CLOTHING—NAMELY, SHOES, ETC. KITTY KELLY SHOE CORPORATION, New York, N. Y.
Filed Nov. 21, 1947, Serial No. 541,934. Published Nov. 8, 1949. Class 39.

521,138. MEAT GRINDERS. WILLIAM LASAR, doing business as Lasar Manufacturing Co., Los Angeles, Calif.
Filed Nov. 24, 1947, Serial No. 542,142. Published Nov. 15, 1949. Class 23.

521,139. MISSES' AND LADIES' SHOES. B. E. COLE CO., Norway, Maine.
Filed Nov. 26, 1947, Serial No. 542,443. Published Nov. 1, 1949. Class 39.

521,140. LADIES' AND MISSES' HATS, SCARFS, HOODS, AND MUFFS. DOUGLAS OF CALIFORNIA, INC., New York, N. Y.
Filed Nov. 26, 1947, Serial No. 542,451. Published Oct. 25, 1949. Class 39.

521,141. MEN'S, WOMEN'S, AND CHILDREN'S OVERALLS AND COVERALLS. LANG INDUSTRIES, Minneapolis, Minn., assignor to Harry Lang Mfg. Co., Minneapolis, Minn., a corporation of Minnesota.
Filed Nov. 28, 1947, Serial No. 542,599. Published Nov. 1, 1949. Class 39.

521,142. TEXTILE MACHINERY AND PARTS THEREOF—NAMELY, BALE BREAKERS, OPENERS, AUTOMATIC FEEDERS, ETC. SACO-LOWELL SHOPS, Boston, Mass.
Filed Nov. 28, 1947, Serial No. 542,664. Published Nov. 1, 1949. Class 23.

521,143. FLAGS. DETTRA FLAG COMPANY, INC., Oaks, Pa.
Filed Nov. 29, 1947, Serial No. 542,748. Published Oct. 4, 1949. Class 50.

521,144. MEN'S AND BOYS' SUITS, JACKETS, VESTS, TROUSERS, BREECHES, COATS, HATS, AND CAPS, AND WOMEN'S COATS, FROCKS, SKIRTS, AND COSTUMES. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Huddersfield, England.
Filed Dec. 8, 1947, Serial No. 543,694. Published Nov. 8, 1949. Class 39.

521,145. TURPENTINE. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed Dec. 10, 1947, Serial No. 543,976. Published Oct. 25, 1949. Class 16.

521,146. COLOGNE AND BODY POWDER. BONNE BELL, INC., Lakewood, Ohio.
Filed July 24, 1947, Serial No. 544,017. Published Nov. 1, 1949. Class 51.

521,147. ALL VARIETIES OF FRESH FISH, FROZEN FISH, SALT FISH, SMOKED FISH, CANNED FISH, AND FISH PASTES. CANADIAN FISH & COLD STORAGE CO., LTD., Prince Rupert, British Columbia, Canada.
Filed Dec. 11, 1947, Serial No. 544,052. Published Nov. 8, 1949. Class 46.

521,148. MEN'S AND BOYS' NECKTIES, BOW TIES, AND MEN'S MUFFLERS. SAMUEL BROOME, doing business as Broadway Neckwear, New York, N. Y.
Filed Dec. 15, 1947, Serial No. 544,320. Published Nov. 8, 1949. Class 39.

521,149. POISONOUS INSECTICIDE FOR THE CONTROL OF SWEET-EATING ANTS. W. R. SWEENEY, MFGR., Salisbury, Mo.
Filed Dec. 16, 1947, Serial No. 544,476. Published Sept. 21, 1948. Class 6.

521,150. PIECE GOODS MADE OF WOOL ALONE AND WOOL COMBINED WITH SYNTHETIC FIBERS, SUCH SYNTHETIC FIBERS USED FOR DECORATIVE PURPOSES. PEERLESS WOOLEN MILLS, Rossville, Ga.
Filed Dec. 17, 1947, Serial No. 544,600. Published Nov. 15, 1949. Class 42.

521,151. PIECE GOODS MADE OF WOOL ALONE AND WOOL COMBINED WITH SYNTHETIC FIBERS, SUCH SYNTHETIC FIBERS USED FOR DECORATIVE PURPOSES. PEERLESS WOOLEN MILLS, Rossville, Ga.
Filed Dec. 17, 1947, Serial No. 544,601. Published Nov. 15, 1949. Class 42.

521,152. PIECE GOODS MADE OF WOOL ALONE, AND WOOL COMBINED WITH SYNTHETIC FIBERS, SUCH SYNTHETIC FIBERS USED FOR DECORATIVE PURPOSES. PEERLESS WOOLEN MILLS, Rossville, Ga.
Filed Dec. 17, 1947, Serial No. 544,602. Published Nov. 15, 1949. Class 42.

521,153. PIECE GOODS MADE OF WOOL ALONE AND WOOL COMBINED WITH SYNTHETIC FIBERS, SUCH SYNTHETIC FIBERS USED FOR DECORATIVE PURPOSES. PEERLESS WOOLEN MILLS, Rossville, Ga.
Filed Dec. 17, 1947, Serial No. 544,603. Published Nov. 15, 1949. Class 42.

521,154. PIECE GOODS MADE OF WOOL ALONE AND WOOL COMBINED WITH SYNTHETIC FIBERS, SUCH SYNTHETIC FIBERS USED FOR DECORATIVE PURPOSES. PEERLESS WOOLEN MILLS, Rossville, Ga.
Filed Dec. 17, 1947, Serial No. 544,604. Published Nov. 15, 1949. Class 42.

521,155. PIECE GOODS MADE OF WOOL ALONE, AND WOOL COMBINED WITH SYNTHETIC FIBERS, SUCH SYNTHETIC FIBERS USED FOR DECORATIVE PURPOSES. PEERLESS WOOLEN MILLS, Rossville, Ga.
Filed Dec. 17, 1947, Serial No. 544,605. Published Nov. 15, 1949. Class 42.

521,156. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed Oct. 8, 1947, Serial No. 544,644. Published Nov. 8, 1949. Class 39.

521,157. CARPET SWEEPERS. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed Dec. 18, 1947, Serial No. 544,694. Published Oct. 25, 1949. Class 23.

521,158. GENERAL TONIC FOR HUMAN USE. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Dec. 19, 1947, Serial No. 544,919. Published Sept. 6, 1949. Class 18.

521,159. TOOLS USED BY WELDERS AND IN CONNECTION WITH WELDING, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,514. Published Nov. 8, 1949. Class 23.

521,160. HOSIERY. THE NOLDE AND HORST COMPANY, Reading, Pa.
Filed Dec. 30, 1947, Serial No. 545,758. Published Nov. 8, 1949. Class 39.

521,161. OVERCOATS FOR MEN. HART SCHAFFNER & MARX, Chicago, Ill.
Filed Jan. 2, 1948, Serial No. 546,045. Published Nov. 8, 1949. Class 39.

521,162. HAMS, BACON, PORK SAUSAGE, BOLOGNA, HEAD CHEESE, PAN CHEESE, LARD, SAUSAGE, AND FRANKFURTERS. A. FINK & SONS COMPANY, INC., Newark, N. J.
Filed Jan. 6, 1948, Serial No. 546,290. Published Nov. 8, 1949. Class 46.

521,163. AUTOMOBILES. HUDSON MOTOR CAR COMPANY, Detroit, Mich.
Filed Jan. 6, 1948, Serial No. 546,301. Published Nov. 15, 1949. Class 19.

521,164. INTERNAL-COMBUSTION-ENGINE-POWERED OUTBOARD MOTORS AND PARTS. OUTBOARD, MARINE AND MANUFACTURING COMPANY, Waukegan, Ill.
Filed Jan. 7, 1948, Serial No. 546,422. Published Nov. 15, 1949. Class 23.

521,165. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Jan. 8, 1948, Serial No. 546,514. Published Nov. 8, 1949. Class 39.

521,166. AROMATIC ELIXIR FOR USE AS BASE FOR MEDICINAL PREPARATIONS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed Jan. 29, 1948, Serial No. 548,221. Published Nov. 1, 1949. Class 18.

521,167. MOTOR VEHICLES—NAMELY, TOW TRUCKS AND WRECKER TRUCKS. ASHTON POWER-WRECKER EQUIPMENT CO. INC., Detroit, Mich.
Filed Feb. 2, 1948, Serial No. 548,560. Published Nov. 15, 1949. Class 19.

521,168. PARACHUTES, PARACHUTE PACKS, AND PARACHUTE HARNESS. IRVING AIR CHUTE CO., INC., Buffalo, N. Y.
Filed Feb. 2, 1948, Serial No. 548,591. Published Nov. 15, 1949. Class 19.

521,169. FLOOR MATS AND MATTING AND STAIR TREADS COMPOUNDED OF RUBBER AND FABRIC. MELFLEX PRODUCTS COMPANY, INC., Akron, Ohio.
Filed Feb. 2, 1948, Serial No. 548,599. Published Sept. 13, 1949. Class 50.

521,170. PAPERBOARD TRAPS IN THE FORM OF CARTONS HAVING ENTRANCE OPENINGS FOR SMALL ANIMALS AND RESILIENT FLAP MEANS TO PREVENT THEIR EXIT. THE GARDNER-RICHARDSON COMPANY, Middletown, Ohio, now by change of name The Gardner Board and Carton Co., a corporation of Ohio.
Filed Feb. 4, 1948, Serial No. 548,724. Published Sept. 13, 1949. Class 50.

521,171. FLOOR POLISH. THE FULLER BRUSH COMPANY, Hartford, Conn.
Filed Feb. 6, 1948, Serial No. 548,948. Published Oct. 18, 1949. Class 4.

521,172. HAND TRUCKS. R. S. REED CORPORATION, Three Rivers, Mich.
Filed Feb. 6, 1948, Serial No. 548,996. Published Nov. 15, 1949. Class 19.

521,173. PAINT USED FOR COATING PAPER AND CLOTH FOR INDUSTRIAL USE. EDWARD SMITH & CO., INC., New York, N. Y.
Filed Feb. 6, 1948, Serial No. 549,021. Published June 28, 1949. Class 16.

521,174. INTERIOR VARNISH. EDWARD SMITH & CO., INC., New York, N. Y.
Filed Feb. 6, 1948, Serial No. 549,022. Published June 7, 1949. Class 16.

521,175. ASH TRAYS. PARKITSAFE COMPANY, Miami Beach, Fla.
Filed Feb. 10, 1948, Serial No. 549,269. Published Aug. 30, 1949. Class 8.

521,176. ENGINE PARTS AND TOOLS—NAMELY, PISTONS, PISTON EXPANDERS, PISTON PINS AND PARTS THEREOF, ETC. KING QUALITY PRODUCTS CO., Indianapolis, Ind., and St. Louis, Mo.
Filed Feb. 21, 1948, Serial No. 550,327. Published Nov. 8, 1949. Class 23.

521,177. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., doing business under the style name of The Springfield Flour Mills, Springfield, Mo.
Filed Feb. 24, 1948, Serial No. 550,388. Published Nov. 8, 1949. Class 46.

521,178. SNUFF. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,864. Published Nov. 8, 1949. Class 17.

521,179. SNUFF. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,865. Published Nov. 15, 1949. Class 17.

521,180. SNUFF. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,868. Published Nov. 8, 1949. Class 17.

521,181. SMOKING TOBACCO. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,870. Published Nov. 8, 1949. Class 17.

521,182. BULLDOZERS; TRAILBUILDERS; ROADBUILDERS; PIVOT-DOZERS; SCRAPERS, ETC. LA PLANT-CHOATE MANUFACTURING CO., INC., Cedar Rapids, Iowa.
Filed Mar. 6, 1948, Serial No. 551,389. Published Nov. 8, 1949. Class 23.

521,183. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., doing business under the style name of The Husler Flour Mills, Salt Lake City, Utah.
Filed Mar. 9, 1948, Serial No. 551,540. Published Nov. 8, 1949. Class 46.

521,184. HOSIERY. JULIUS KAYSER & CO., New York, N. Y.
Filed Mar. 9, 1948, Serial No. 551,568. Published Nov. 8, 1949. Class 39.

521,185. CRACKERS, GRAHAM CRACKERS, WAFERS, COOKIES (BISCUITS, CAKES), CHEESE CHIPS, FIG BARS. CARR-CONSOLIDATED BISCUIT COMPANY, Wilkes Barre, Pa.
Filed Mar. 24, 1948, Serial No. 552,840. Published Nov. 8, 1949. Class 46.

521,186. WOMEN'S AND MISSES' DRESSES, GLOVES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF, AND HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill., also doing business as Frederick & Nelson, Seattle, Wash.
Filed Mar. 24, 1948, Serial No. 552,853. Published Nov. 1, 1949. Class 39.

521,187. ANTISEPTIC LIQUID SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed Mar. 25, 1948, Serial No. 552,931. Published Oct. 25, 1949. Class 52.

521,188. COMPRESSED AIR-OPERATED HAMMERS, PRESSES, PUNCHES, DRILLS, AND AUTOMATICALLY-OPERABLE AND MANUALLY-OPERABLE VALVES THEREFOR. MEAD SPECIALTIES COMPANY, INC., Chicago, Ill.
Filed Mar. 27, 1948, Serial No. 553,204. Published Oct. 4, 1949. Class 23.

521,189. WOOL SPORT SHIRTS AND JACKETS FOR MEN AND WOMEN, ETC. GREEN BAY SPECIALTY COMPANY, Green Bay, Wis.
Filed Mar. 29, 1948, Serial No. 553,276. Published Nov. 1, 1949. Class 39.

521,190. BRASSIÈRES. PETER PAN FOUNDATIONS, INC., New York, N. Y.
Filed Mar. 30, 1948, Serial No. 553,397. Published Oct. 25, 1949. Class 39.

521,191. SEWING MACHINES. MORSE DISTRIBUTING CORP., Brooklyn, N. Y.
Filed Apr. 1, 1948, Serial No. 553,628. Published Nov. 8, 1949. Class 23.

521,192. HAND SAWS—NAMELY, ALL-PURPOSE SAWS, TREE SURGERY SAWS, HEAVY-DUTY GENERAL UTILITY OR BULL SAWS, CARPENTER SAWS, KEYHOLE SAWS, FOLDING SAWS, PRUNING SAWS, TREE SAWS, POLE SAWS, AND BUCKSAWS. CARL R. FANNO, doing business under the fictitious name and style of The Fanno Saw Works, Chico, Calif.
Filed Apr. 2, 1948, Serial No. 553,684. Published Nov. 1, 1949. Class 23.

521,193. DENTIFRICE. MERVIN L. JORDAHL, doing business as Fluor-Amm-Ine Co., Minneapolis and Olivia, Minn.
Filed Apr. 3, 1948, Serial No. 553,779. Published Feb. 1, 1949. Class 51.

521,194. POLO SHIRTS FOR CHILDREN, BOYS, AND MEN. BARCLAY KNITWEAR CO., INC., Kingston and New York, N. Y.
Filed Apr. 10, 1948, Serial No. 554,291. Published Nov. 1, 1949. Class 39.

521,195. SAFETY RAZORS AND SAFETY RAZOR BLADES. POUL VIGGO JENSEN, Copenhagen, Denmark.
Filed Apr. 15, 1948, Serial No. 554,675. Published Oct. 4, 1949. Class 23.

521,196. ZINC OXIDE, HAVING A GENERAL UTILITY IN THE INDUSTRIAL ARTS, PARTICULARLY IN THE PRODUCTION OF ZINC YELLOW, ZINC SULFATE, AND ZINC CYANIDE SOLUTIONS. THE NEW JERSEY ZINC COMPANY, New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,691. Published Nov. 1, 1949. Class 6.

521,197. DUSTING BRUSHES AND SCRUBBING BRUSHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed Apr. 15, 1948, Serial No. 554,700. Published Nov. 22, 1949. Class 29.

521,198. WOMEN'S, MISSES', AND GIRLS' RAIN COATS, OVERCOATS, SPORT COATS, REVERSIBLE COATS, AND TOP COATS. ISIDORE J. RUBIN, New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,713. Published Nov. 8, 1949. Class 39.

521,199. AIR COMPRESSORS AND PARTS THEREOF. THE CAMPBELL-HAUSFELD COMPANY, Harrison, Ohio.
Filed Apr. 16, 1948, Serial No. 554,764. Published Oct. 11, 1949. Class 23.

521,200. LIQUID SOAP, AND TYPEWRITER TYPE AND PLATEN CLEANER, ETC. DITTO, INCORPORATED, Chicago, Ill.
Filed Apr. 17, 1948, Serial No. 554,867. Published Mar. 22, 1949. Class 52.

521,201. LADIES' PAJAMAS, BEDJACKETS, BATH AND BEACH ROBES, LOUNGING ROBES, AND HOUSECOATS. I. APPEL & CO., INC., New York, N. Y.
Filed Apr. 20, 1948, Serial No. 555,041. Published Nov. 1, 1949. Class 39.

521,202. FRUIT PRESERVES AND JELLIES. DIXIE PRESERVES, LTD., Los Angeles, Calif.
Filed Apr. 20, 1948, Serial No. 555,062. Published Nov. 8, 1949. Class 46.

521,203. TOOLS—NAMELY, HAMMERS, HATCHETS, WRENCHES, WRENCH SETS, SOCKET WRENCHES, WRENCH SOCKETS, AND END WRENCHES. HINSDALE MANUFACTURING COMPANY, Chicago, Ill.
Filed Apr. 23, 1948, Serial No. 555,410. Published Oct. 4, 1949. Class 23.

521,204. INTERIOR PAINT, OUTSIDE PAINT, PAINT ENAMELS, VARNISHES, CALSOMINE, AND COLORS IN OIL. FORMAN, FORD AND CO., Minneapolis, Minn.
Filed Apr. 24, 1948, Serial No. 555,495. Published Nov. 8, 1949. Class 16.

521,205. SMALL BOATS WITHOUT ENGINES—NAMELY, PLASTIC ROWBOATS AND SMALL SAIL BOATS. KATTU PROJECT, INC., Forest Hills, N. Y.
Filed Apr. 24, 1948, Serial No. 555,541. Published Nov. 15, 1949. Class 19.

521,206. MACHINERY—NAMELY, PRESSES FOR BALING, ETC. THE BALDWIN LOCOMOTIVE WORKS, Philadelphia and Eddystone, Pa.
Filed Dec. 15, 1947, Serial No. 555,897. Published Nov. 15, 1949. Class 23.

521,207. OIL POULTRY BROODERS. H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill.
Filed May 4, 1948, Serial No. 556,199. Published Nov. 1, 1949. Class 50.

521,208. LADIES' AND CHILDREN'S RAYON UNDERWEAR. JOAN-DOUG UNDERGARMENT CO., INC., New York, N. Y.
Filed May 7, 1948, Serial No. 556,447. Published Nov. 8, 1949. Class 39.

521,209. IRISH WHISKEY. JOHN JAMESON & SON, LIMITED, Dublin, Irish Free State.
Filed May 12, 1948, Serial No. 556,888. Published Nov. 15, 1949. Class 49.

521,210. RAIN TOPCOATS FOR USE BY MEN AND BOYS. RAINFAIR, INC., Racine, Wis.
Filed May 14, 1948, Serial No. 557,066. Published Nov. 8, 1949. Class 39.

521,211. LADIES' AND MISSES' DRESSES, BLOUSES, JUMPERS, SKIRTS, SLACKS, AND DRESS ENSEMBLES COMPRISING DRESS AND JACKET. SHEILA LYNN INC., New York, N. Y.
Filed May 19, 1948, Serial No. 557,368. Published Oct. 25, 1949. Class 39.

521,212. TOOTH BRUSHES. THE PORTO COMPANY, Fort Worth, Tex.
Filed May 19, 1948, Serial No. 557,386. Published Nov. 22, 1949. Class 29.

521,213. LADIES' AND MISSES' HOSIERY, SLIPS, PANTIES, BLOOMERS, BLOUSES, BRASSIÈRES, NIGHTGOWNS, AND PAJAMAS. ABRAHAM W. KAUFMAN, New York, N. Y.
Filed May 20, 1948, Serial No. 557,456. Published Nov. 8, 1949. Class 39.

521,214. RUBBER BOOTS, PACS, OVERSHOES, NOVELTY GAITERS, SHOES, AND COMBINATION RUBBER AND CANVAS SHOES. GOODYEAR RUBBER COMPANY, Middletown, Conn.
Filed May 21, 1948, Serial No. 557,518. Published Nov. 8, 1949. Class 39.

521,215. AIRCRAFT PROPELLERS, PARTS AND ATTACHMENTS THEREFOR. UNITED AIRCRAFT CORPORATION, East Hartford, Conn.
Filed May 22, 1948, Serial No. 557,640. Published Nov. 8, 1949. Class 19.

521,216. SHOES. BLOCK SHOE STORES, INCORPORATED, Seattle, Wash.
Filed May 28, 1948, Serial No. 558,001. Published Nov. 8, 1949. Class 39.

521,217. LADIES' HATS. GREENSTEIN & FLAUM, New York, N. Y.
Filed May 29, 1948, Serial No. 558,137. Published Oct. 25, 1949. Class 39.

521,218. HAND CLEANSER IN POWDER FORM. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va.
Filed May 29, 1948, Serial No. 558,184. Published Oct. 25, 1949. Class 52.

521,219. LAWN MOWERS. THE E. T. RUGG COMPANY, Newark, Ohio.
Filed June 1, 1948, Serial No. 558,248. Published Oct. 4, 1949. Class 23.

521,220. MOWER GUARDS FOR AGRICULTURAL MOWING MACHINES. AVCO MANUFACTURING CORPORATION, Detroit, Mich.
Filed June 2, 1948, Serial No. 558,268. Published Nov. 1, 1949. Class 23.

521,221. COSMETICS—NAMELY, HAND LOTIONS, AND SHAMPOOS. THE CAGE COMPANY, Waxahachie, Tex.
Filed June 3, 1948, Serial No. 558,346. Published Nov. 1, 1949. Class 51.

521,222. MECHANICAL CARPET SWEEPERS. MODERN CARPET SWEEPER CO., INC., Brooklyn, N. Y.
Filed June 5, 1948, Serial No. 558,573. Published Nov. 1, 1949. Class 23.

521,223. JEWELER'S POLISHING PADS AND WHEELS. ELIZABETH S. RUTTER, doing business as Primo Polish Manufacturing Company, Westfield, Mass.
Filed June 7, 1948, Serial No. 558,668. Published Nov. 1, 1949. Class 4.

521,224. MOTOR-DRIVEN ROTARY PUMPS FOR USE IN DOMESTIC AND INDUSTRIAL HOT WATER HEATING UNITS. HOWARD C. LILLY, doing business as Colonial Pump Company, Stoughton, Mass.
Filed June 8, 1948, Serial No. 558,728. Published Nov. 1, 1949. Class 23.

521,225. ARTIFICIALLY FLAVORED ASPIRIN TABLETS FOR MEDICINAL USE. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed June 16, 1948, Serial No. 559,321. Published Nov. 1, 1949. Class 18.

521,226. CHAIRS AND SEATS USED AS FURNITURE AND MADE OF WOOD, PLASTICS, METAL, AND COMBINATIONS THEREOF. SIEGEL-LAND MANUFACTURING CORP., Jersey City, N. J.
Filed June 18, 1948, Serial No. 559,645. Published Nov. 1, 1949. Class 32.

521,227. SYNTHETIC RUBBER COMPOSITION SHEETING, WITH OR WITHOUT FABRIC REINFORCEMENT. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 19, 1948, Serial No. 559,693. Published Oct. 4, 1949. Class 50.

521,228. LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC, RUBBER, WOOD, COMPOSITION MATERIALS, PLASTIC MATERIALS, AND COMBINATIONS THEREOF. ANDREW GELLER SHOE MANUFACTURING CO. INC., Brooklyn, N. Y., now by change of name Andrew Geller, Inc., a corporation of New York.
Filed Mar. 15, 1948, Serial No. 559,767. Published Nov. 1, 1949. Class 39.

521,229. AGRICULTURAL MOWING MACHINES. AVCO MANUFACTURING CORPORATION, Detroit, Mich.
Filed June 2, 1948, Serial No. 559,786. Published Nov 1, 1949. Class 23.

521,230. BOYS' AND GIRLS' PLAY SUITS WITH AND WITHOUT BIBS, PANTIES, TRUNKS, AND CREEPERS, ALL MOISTURE PROOF. POST BABY PRODUCTS, Los Angeles, Calif.
Filed June 21, 1948, Serial No. 559,860. Published Oct. 25, 1949. Class 39.

521,231. ALCOHOLIC CORDIALS AND LIQUEURS. LEROUX AND COMPANY, INC., Philadelphia, Pa.
Filed June 24, 1948, Serial No. 560,113. Published Nov. 15, 1949. Class 49.

521,232. ATHLETIC SHOES. JOSEPH T. WOOD COMPANY, Ware, Mass., assignor to The Springfield Company, Springfield, Mass., a corporation of Massachusetts.
Filed June 24, 1948, Serial No. 560,146. Published Oct. 11, 1949. Class 39.

521,233. V-TYPE PULLEYS, HAND OPERATED AUTOMOBILE JACKS, CENTRIFUGALLY ACTUATED RADIAL, AXIAL, AUTOMATIC, MANUALLY CONTROLLED, AND DELAYED ENGAGEMENT CLUTCHES AND PARTS THEREOF. AUTOMATIC STEEL PRODUCTS, INC., Wilmington, Del., and Canton, Ohio.
Filed June 28, 1948, Serial No. 560,312. Published Nov. 8, 1949. Class 23.

521,234. AUTOMOTIVE EQUIPMENT — NAMELY, FOOT PEDALS AND PEDAL PADS; ROTARY FANS, ETC. THE FULTON COMPANY, Milwaukee, Wis.
Filed June 28, 1948, Serial No. 560,329. Published Nov. 15, 1949. Class 19.

521,235. FIGURINES MADE OF CHINA. ROBERT BLOCH AND SIMONE VAN MOPPES BLOCH, New York, N. Y.
Filed June 29, 1948, Serial No. 560,378. Published Oct. 25, 1949. Class 50.

521,236. MEN'S AND BOYS' SUITS, COATS, PANTS, TROUSERS, AND VESTS. HASPEL BROTHERS, INC., New Orleans, La.
Filed June 29, 1948, Serial No. 560,408. Published Nov. 1, 1949. Class 39.

521,237. TRANSMISSION GEARS, REVERSE GEARS, REDUCTION GEARS, AND CLUTCHES. PARAGON GEAR WORKS, INC., Taunton, Mass.
Filed June 29, 1948, Serial No. 560,419. Published Nov. 8, 1949. Class 23.

521,238. TOP ROLLS FOR TEXTILE DRAWING MECHANISMS, DRAW FRAME ROLLS, AND PITMAN ROLLS. MACHINECRAFT, INC., Whitman, Mass.
Filed June 30, 1948, Serial No. 560,488. Published Nov. 8, 1949. Class 23.

521,239. WOMEN'S AND MISSES' SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. MUTUAL SHOE COMPANY, Marlboro, Mass.
Filed June 30, 1948, Serial No. 560,495. Published Nov. 1, 1949. Class 39.

521,240. WHEAT FLOUR. TEX-O-KAN FLOUR MILLS CO., doing business as Burrus Mill & Elevator Co., Fort Worth, Tex.
Filed June 30, 1948, Serial No. 560,504. Published Oct. 18, 1949. Class 46.

521,241. SHOES. M. BECKERMAN & SONS, INC., New York, N. Y.
Filed July 1, 1948, Serial No. 560,530. Published Oct. 25, 1949. Class 39.

521,242. HOUSEHOLD DISINFECTANT, DOG CARE PRODUCTS—NAMELY, MEDICINE FOR THE REDUCTION OF FEVER IN DOGS AND PUPPIES, ETC. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed July 1, 1948, Serial No. 560,567. Published Nov. 15, 1949. Class 18.

521,243. SEWING MACHINES AND PARTS THEREOF. HARVEY MANUFACTURING CORP., New York, N. Y.
Filed July 2, 1948, Serial No. 560,619. Published Nov. 8, 1949. Class 23.

521,244. CHILDREN'S SHOES, MISSES' SHOES, AND BOYS' SHOES MADE OF LEATHER. BERNARD B. DISKEN, doing business as Bernard B. Disken Co., New Haven, Conn.
Filed July 3, 1948, Serial No. 560,686. Published Oct. 11, 1949. Class 39.

521,245. FOOD PRODUCT IN POWDER FORM CONTAINING EGG SOLIDS AND CEREAL EXTRACTS USED IN COMMERCIAL BAKING AND IN THE MANUFACTURE OF ICE CREAM AND OTHER FOOD PRODUCTS, SAID FOOD PRODUCTS BEING PACKAGED AND SOLD IN DRUMS. LAURITZEN AND COMPANY, INC., Chicago, Ill.
Filed July 3, 1948, Serial No. 560,712. Published Nov. 8, 1949. Class 46.

521,246. INFANTS' SHOES. BURLINGTON COUNTY SHOE CORPORATION, Mount Holly, N. J.
Filed July 6, 1948, Serial No. 560,752. Published Oct. 25, 1949. Class 39.

521,247. PLASTIC COVERINGS FOR CLOTHING—NAMELY, SHOULDER COVERS AND GARMENT COVERS. MAURICE SHEPORD, New York, N. Y.
Filed July 8, 1948, Serial No. 560,931. Published Nov. 1, 1949. Class 50.

521,248. AFTER SHAVING LOTION. FRANK ADORN, doing business as Little Princess Products, New York, N. Y.
Filed July 9, 1948, Serial No. 560,951. Published Nov. 1, 1949. Class 51.

521,249. CIGARS, CIGARETTES, CHEROOTS, STOGIES, CHEWING AND SMOKING TOBACCO. JOHN ALDEN TOBACCO CO., Wilmington, Del., and New York, N. Y.
Filed July 10, 1948, Serial No. 561,065. Published Nov. 8, 1949. Class 17.

521,250. OUTER WEARING APPAREL FOR WOMEN AND GIRLS—NAMELY, WASHABLE DRESSES. FOREST CITY MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 10, 1948, Serial No. 561,106. Published Nov. 1, 1949. Class 39.

521,251. WHISKEY. WILLIAM WHITELEY & CO. INC., Dover, Del.
Filed July 10, 1948, Serial No. 561,165. Published Nov. 22, 1949. Class 49.

521,252. LETTERS AND SIMILAR CHARACTERS, MADE FROM VARIOUS METALS VARIOUSLY FINISHED, ADAPTED TO BE ATTACHED TO A STRUCTURE OR BACKING TO PROVIDE AN INFORMATIVE OR DECORATIVE INSCRIPTION. WILLIAM H. COHEN, doing business as Steel-Craft Letter Company, Boston, Mass.
Filed July 14, 1948, Serial No. 561,295. Published Nov. 1, 1949. Class 50.

521,253. MEN'S AND BOYS' TEXTILE-FABRIC UNDERWEAR. WOOLF BROTHERS, INC., Kansas City, Mo.
Filed Mar. 30, 1948, Serial No. 561,428. Published Nov. 15, 1949. Class 39.

521,254. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, VESTS, OVERCOATS, COATS, AND PANTS. WOOLF BROTHERS, INC., Kansas City, Mo.
Filed Mar. 30, 1948, Serial No. 561,429. Published Oct. 25, 1949. Class 39.

521,255. KIT CONSISTING OF NURSING BOTTLE HOLDER, BABY PANTS, AND BABY BIB. HEIDE BABE PRODUCTS, Chicago, Ill.
Filed July 15, 1948, Serial No. 561,462. Published Oct. 25, 1949. Class 39.

521,256. EXTERNAL REMEDIES FOR POISON IVY, POISON OAK, AND SUMAC. IVY CORPORATION, Montclair, N. J.
Filed July 16, 1948, Serial No. 561,571. Published Nov. 1, 1949. Class 18.

521,257. MEN'S SUITS, TOPCOATS, AND OVERCOATS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed July 16, 1948, Serial No. 561,573. Published Oct. 25, 1949. Class 39.

521,258. RUBBER SOLES FOR SHOES. PLYMOUTH RUBBER COMPANY, INC., Canton, Mass.
Filed July 22, 1948, Serial No. 561,943. Published Nov. 8, 1949. Class 39.

521,259. WOMEN'S AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. SAN LOO, INC., St. Louis, Mo.
Filed July 23, 1948, Serial No. 562,086. Published Nov. 1, 1949. Class 39.

521,260. RAZOR BLADES. PANAMEX CORPORATION, Beverly Hills, Calif.
Filed July 26, 1948, Serial No. 562,219. Published Nov. 15, 1949. Class 23.

521,261. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed July 29, 1948, Serial No. 562,474. Published Nov. 8, 1949. Class 39.

521,262. MEN'S CLOTHING—NAMELY, SUITS, TROUSERS, COATS, VESTS, TOPCOATS, AND OVERCOATS. SEWELL MANUFACTURING COMPANY, Bremen, Ga.
Filed July 30, 1948, Serial No. 562,584. Published Nov. 8, 1949. Class 39.

521,263. LADIES', CHILDREN'S, AND MEN'S POLO SHIRTS AND TEE SHIRTS. TEXLEE MILLS, INC., Opa Locka, Fla.
Filed Aug. 3, 1948, Serial No. 562,737. Published Nov. 1, 1949. Class 39.

521,264. HOSIERY. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind.
Filed Aug. 5, 1948, Serial No. 562,873. Published Nov. 8, 1949. Class 39.

521,265. PAINTS, TO WIT, HOUSE PAINTS AND WALL PAINTS; PRIMERS, TO WIT, EXTERIOR PRIMERS, INTERIOR PRIMERS, AND PAINT PRIMERS, ETC. ROBERTS PAINT CORPORATION, New York, N. Y.
Filed Aug. 5, 1948, Serial No. 562,885. Published Nov. 8, 1949. Class 16.

521,266. INFANTS' CLOTHING—NAMELY, INFANTS' ROBES, GOWNS, AND SACQUES. BABY TOWN, INC., St. Louis, Mo.
Filed Aug. 6, 1948, Serial No. 562,903. Published Nov. 8, 1949. Class 39.

521,267. DIAPER SHIRTS AND INFANTS' UNDERWEAR. RUTH GOLDMAN DUBIN, Rockville Centre, N. Y.
Filed Aug. 6, 1948, Serial No. 562,917. Published Nov. 8, 1949. Class 39.

521,268. HOSIERY. RUSSELL HOSIERY MILLS, INC., Star, N. C.
Filed Aug. 7, 1948, Serial No. 563,010. Published Nov. 8, 1949. Class 39.

521,269. CUTTING TOOLS FOR HAND AND PNEUMATIC HAMMER USE. BEDFORD TOOL AND FORGE COMPANY, Bedford, Ohio.
Filed Aug. 10, 1948, Serial No. 563,105. Published Nov. 1, 1949. Class 23.

521,270. CAM SHAFTS. MUSKEGON MOTOR SPECIALTIES COMPANY, Muskegon, Mich.
Filed Aug. 11, 1948, Serial No. 563,209. Published Nov. 1, 1949. Class 23.

521,271. EMBOSSING AND PRINTING MACHINES AND PARTS THEREOF. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed Aug. 17, 1948, Serial No. 563,642. Published Nov. 15, 1949. Class 23.

521,272. HYDRAULIC JACKS. AMERICAN HYDRAULICS, INC., Sheboygan, Wis.
Filed Aug. 23, 1948, Serial No. 563,836. Published Nov. 15, 1949. Class 23.

521,273. WHEELED SHOPPING CARTS. APARTMENT APPLIANCE CO., St. Louis, Mo.
Filed Aug. 23, 1948, Serial No. 563,838. Published Nov. 15, 1949. Class 19.

521,274. CHILDREN'S AND JUVENILES' BATHING TRUNKS, SUITS, AND BEACHWEAR—NAMELY, ROBES, AND SHIRTS. MANCHESTER KNITTED FASHIONS, INC., Manchester, N. H.
Filed Aug. 24, 1948, Serial No. 563,940. Published Nov. 1, 1949. Class 39.

521,275. BROACHES AND BROACHING MACHINES. THE LAPOINTE MACHINE TOOL COMPANY, Hudson, Mass.
Filed Apr. 1, 1948, Serial No. 563,986. Published Nov. 8, 1949. Class 23.

521,276. AIRPLANES. MCDONNELL AIRCRAFT CORPORATION, Lambert Field, Mo.
Filed Aug. 28, 1948, Serial No. 564,339. Published Nov. 8, 1949. Class 19.

521,277. NECKTIES. THE WHISTLING OYSTER, Ogunquit, Maine.
Filed Aug. 31, 1948, Serial No. 564,491. Published Nov. 1, 1949. Class 39.

521,278. SECOND-HAND AND USED MOTOR VEHICLES. MOORE-DAY MOTORS, INC., Washington, D. C.
Filed Sept. 1, 1948, Serial No. 564,518. Published Nov. 8, 1949. Class 19.

521,279. BRASSIÈRES, "SWIM" BRASSIÈRES, SUNSUITS, PLAY-SUITS, GARTER BELTS, AND FOUNDATION GARMENTS. ANNE ALT, doing business as Anne Alt Brassiere Co., Compton, Calif.
Filed Sept. 3, 1948, Serial No. 564,594. Published Nov. 8, 1949. Class 39.

521,280. FLOWERS AND CONFECTIONS SOLD IN A COMBINATION PACKAGE. FRANK W. FLEMING, Long Beach, N. Y.
Filed Sept. 3, 1948, Serial No. 564,615. Published Oct. 4, 1949. Class 50.

521,281. LIQUID AND PASTE WAX FOR POLISHING FLOORS, LINOLEUM, AND PAINTED, ENAMELED, AND VARNISHED SURFACES, AND FOR A SEALER FOR WOOD, CONCRETE, AND TERRAZZO FLOORS, AND AS A CONCRETE COLOR SEAL. BREUER ELECTRIC MFG. CO., Chicago, Ill.
Filed Sept. 13, 1948, Serial No. 565,038. Published Oct. 18, 1949. Class 4.

521,282. ANTIBACTERIAL SUSPENSION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Sept. 14, 1948, Serial No. 565,140. Published Nov. 1, 1949. Class 18.

521,283. OIL PAINTS, OIL ENAMELS, VARNISHES, AND OIL COLORS — NAMELY, ALUMINUM, BRONZE, AND GOLD POWDER AND PAINT. THE SHEFFIELD BRONZE PAINT CORP., Cleveland, Ohio.
Filed Sept. 14, 1948, Serial No. 565,142. Published Nov. 8, 1949. Class 16.

521,284. FRESH GRAPES. MARLIN BROS., Delano, Calif.
Filed Sept. 17, 1948, Serial No. 565,350. Published Nov. 1, 1949. Class 46.

521,285. BREAD. ARK BAKERS, INC., Wichita, Kans.
Filed Sept. 18, 1948, Serial No. 565,405. Published Nov. 1, 1949. Class 46.

521,286. FRESH CITRUS FRUITS. PLACENTIA ORCHARD COMPANY, Fullerton, Calif.
Filed Sept. 18, 1948, Serial No. 565,455. Published Nov. 1, 1949. Class 46.

521,287. CANNED SWEET PEAS. ATHENS CANNING COMPANY, Athens, Wis.
Filed Sept. 21, 1948, Serial No. 565,532. Published Nov. 1, 1949. Class 46.

521,288. COOKIES. JOHNSON BISCUIT COMPANY, Sioux City, Iowa.
Filed Sept. 22, 1948, Serial No. 565,628. Published Nov. 1, 1949. Class 46.

521,289. WHOLE RAW DUODENAL TISSUE, DESICCATED AND DEFATTED, ETC. TISSUE ORGANICS, INC., New York, N. Y.
Filed Sept. 22, 1948, Serial No. 565,662. Published Nov. 1, 1949. Class 18.

521,290. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed Sept. 22, 1948, Serial No. 565,669. Published Nov. 1, 1949. Class 46.

521,291. CANDY. DE MET'S INC., Chicago, Ill.
Filed Sept. 24, 1948, Serial No. 565,758. Published Nov. 1, 1949. Class 46.

521,292. PASTEURIZED AND PACKAGED CHEESE. ALICE J. GROSSNIKLAUS, doing business as Alpa Cheese Company, Wilmot, Ohio.
Filed Sept. 24, 1948, Serial No. 565,776. Published Nov. 8, 1949. Class 46.

521,293. CANNED FISH. S AND P SALES COMPANY, Seattle, Wash.
Filed Sept. 24, 1948, Serial No. 565,816. Published Nov. 1, 1949. Class 46.

521,294. SMOKING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed Sept. 27, 1948, Serial No. 565,900. Published Nov. 8, 1949. Class 17.

521,295. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR AND KNITTED POLO AND T-SHIRTS. FOUNTAIN HILL UNDERWEAR MILLS, Bethlehem, Pa.
Filed Sept. 29, 1948, Serial No. 566,071. Published Nov. 8, 1949. Class 39.

521,296. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR AND KNITTED POLO AND T-SHIRTS. FOUNTAIN HILL UNDERWEAR MILLS, Bethlehem, Pa.
Filed Sept. 29, 1948, Serial No. 566,072. Published Nov. 8, 1949. Class 39.

521,297. FRESH CRANBERRIES. AMERICAN CRANBERRY EXCHANGE, New York, N. Y., and elsewhere in the United States.
Filed Oct. 1, 1948, Serial No. 566,203. Published Nov. 8, 1949. Class 46.

521,298. CANNED FRUITS AND VEGETABLES. FERNANDO CANNING COMPANY, INC., San Fernando, Calif.
Filed Oct. 1, 1948, Serial No. 566,221. Published Nov. 1, 1949. Class 46.

521,299. LIQUID AND SOLID PREPARATIONS FOR THE TREATMENT AND CONTROL OF COCCIDIOSIS AND FOWL CHOLERA IN CHICK FLOCKS, AND FOR OTHER INTERNAL AND EXTERNAL REMEDIES IN THE TREATMENT OF BIRD AND POULTRY DISEASES. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed Oct. 1, 1948, Serial No. 566,246. Published Oct. 11, 1949. Class 18.

521,300. CHEESE. WHITING MILK COMPANY, Charlestown, Mass.
Filed Oct. 7, 1948, Serial No. 566,679. Published Nov. 8, 1949. Class 46.

521,301. BRASSIÈRES. S. J. WEGMAN COMPANY, New York, N. Y.
Filed Oct. 8, 1948, Serial No. 566,736. Published Oct. 25, 1949. Class 39.

521,302. FROZEN FRUITS, BERRIES, AND VEGETABLES, AND CANNED BLACKBERRIES. R. D. BODLE CO., doing business as Valley Fruit Canning Co., Seattle, Wash.
Filed Oct. 12, 1948, Serial No. 566,858. Published Nov. 1, 1949. Class 46.

521,303. REBUILT HYDRAULIC BRAKE CYLINDER ASSEMBLIES FOR AUTOMOTIVE VEHICLES AND BRAKE SHOES FOR AUTOMOTIVE VEHICLES. L. J. MILEY COMPANY, Chicago, Ill.
Filed Oct. 14, 1948, Serial No. 566,993. Published Nov. 15, 1949. Class 19.

521,304. COMBINED SHIRT AND PANTIE FOR CHILDREN. MORRIS MILLER, doing business as Miller Art Mfg. Co., New York, N. Y.
Filed Oct. 21, 1948, Serial No. 567,420. Published Nov. 8, 1949. Class 39.

521,305. WOMEN'S AND MISSES' HOUSE COATS, ROBES, PAJAMAS, ENSEMBLES OF ROBE AND NIGHT GOWN; LINGERIE—NAMELY, NIGHT GOWNS AND NEGLIGEES; AND UNDERWEAR—NAMELY, SLIPS AND PANTIES. THE FLOBERT COMPANY, INC., New York, N. Y.
Filed Oct. 28, 1948, Serial No. 567,767. Published Nov. 8, 1949. Class 39.

521,306. LADIES', MISSES' AND GIRLS' SLIPS, PAJAMAS, BED JACKETS, PETTICOATS, PANTIES, BLOUSES, AND LOUNGING AND BEACH ROBES. SKYLON CORPORATION, New York, N. Y.
Filed Oct. 29, 1948, Serial No. 567,885. Published Nov. 8, 1949. Class 39.

521,307. CALL LETTER PLATES FOR BROADCASTERS, RESIDENCE PLATES, NAME PLATES, AND LAPEL BUTTONS MADE OF NONPRECIOUS METAL. ALTO-METAL PRODUCTS, INC., Cincinnati, Ohio.
Filed Nov. 1, 1948, Serial No. 567,941. Published Oct. 18, 1949. Class 50.

521,308. AUTOMOBILES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed Nov. 6, 1948, Serial No. 568,306. Published Nov. 15, 1949. Class 19.

521,309. SOAP. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed Nov. 12, 1948, Serial No. 568,627. Published Oct. 4, 1949. Class 52.

521,310. HOUSE BOATS. CLYDE E. GRAY, Port Arthur, Tex.
Filed Nov. 22, 1948, Serial No. 569,198. Published Nov. 15, 1949. Class 19.

521,311. WRITING BOARDS, ALSO KNOWN AS BLACKBOARDS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed Dec. 7, 1948, Serial No. 570,137. Published Nov. 1, 1949. Class 50.

521,312. BABY CARRIAGES. B. ALTMAN & CO., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,161. Published Nov. 15, 1949. Class 19.

521,313. POULTRY FEEDERS AND STATIONARY POULTRY DRINKING FOUNTAINS OF THE TYPE EMBODYING AN INVERTED LIQUID CONTAINER. UNITED CO-OPERATIVES, INC., Alliance, Ohio.
Filed Dec. 10, 1948, Serial No. 570,338. Published Nov. 1, 1949. Class 50.

521,314. CAST STEEL AUTOMOTIVE WHEELS. GUNITE FOUNDRIES CORPORATION, Rockford, Ill.
Filed Dec. 29, 1948, Serial No. 571,271. Published Nov. 15, 1949. Class 19.

521,315. HELICOPTER AIRCRAFT. GYRODYNE COMPANY OF AMERICA, INC., New York, N. Y.
Filed Jan. 4, 1949, Serial No. 571,611. Published Nov. 15, 1949. Class 19.

521,316. BODIES FOR MOTOR VEHICLES. THE MONTPELIER MANUFACTURING CO., Montpelier, Ohio.
Filed Jan. 6, 1949, Serial No. 571,736. Published Nov. 15, 1949. Class 19.

521,317. MOTOR DELIVERY TRUCKS AND STRUCTURAL PARTS THEREOF. THE MONTPELIER MANUFACTURING CO., Montpelier, Ohio.
Filed Jan. 6, 1949, Serial No. 571,737. Published Nov. 15, 1949. Class 19.

521,318. AUTOMOBILES, TRUCKS, AND VANS. THE STANDARD MOTOR COMPANY LIMITED, Coventry, England.
Filed Jan. 6, 1949, Serial No. 571,749. Published Nov. 15, 1949. Class 19.

521,319. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Feb. 3, 1949, Serial No. 573,240. Published Nov. 15, 1949. Class 42.

521,320. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, WORSTED, PROTEIN FIBRES, AND MIXTURES THEREOF. RAYFLEX FABRICS, INC., New York, N. Y.
Filed Feb. 3, 1949, Serial No. 573,263. Published Nov. 1, 1949. Class 42.

521,321. POWDERED WHOLE MILK. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed June 1, 1949, Serial No. 579,843. Published Nov. 1, 1949. Class 46.

521,322. COLLATING AND TIPPING MACHINES OTHERWISE KNOWN AS INTERLEAVING MACHINES ADAPTED TO PLACE SPOT GUMS ON PAPER AND CARBON PAPER FOR THE MANUFACTURERS OF ONE-TIME CARBON FORMS. J. CURRY MENDES, Boston, Mass.
Filed June 29, 1949, Serial No. 581,275. Published Nov. 15, 1949. Class 23.

Certification Mark

521,323. MEN'S HATS. HAT RESEARCH FOUNDATION, INC., New York, N. Y.
Filed Nov. 18, 1947, Serial No. 541,539. Published Oct. 25, 1949. Class 39.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

521,324. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BEAKE BROTHERS DISTILLERIES INC., Boston, Mass. Original filed, act of 1905, Sept. 18, 1945; amended to application under act of 1946, Supplemental Register, Mar. 18, 1948, Serial No. 488,635.

CERTIFICATE
BRAND

The lining is for shading purposes only.
FOR WHISKEY.
Claims use since June 5, 1945.

521,325. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LESLIE E. YOUNG, doing business as the Snag-less Sinker Company, Cincinnati, Ohio. Original filed, act of 1905, Apr. 1, 1946; amended to application under act of 1946, Supplemental Register, Feb. 26, 1949, Serial No. 499,455.

Snag-less

FOR FISHING LINE SINKERS.
Claims use since Feb. 10, 1946.

521,326. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JACK NORIN, doing business as Jack Norin Co., Baltimore, Md. Original filed, act of 1905, May 20, 1946; amended to application under act of 1946, Supplemental Register, Aug. 25, 1947, Serial No. 502,448.

HOSPITAL

FOR ENAMEL PAINTS.
Claims use since May 9, 1946.

521,327. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ANDY BROS. TIRE SHOP, Washington, Pa. Original filed, act of 1905, June 14, 1946; amended to application under act of 1946, Supplemental Register, Dec. 21, 1948, Serial No. 503,857.

SKID RID

FOR ANTI-SKID RUBBER TREAD MATERIAL FOR RUBBER TIRES.
Claims use since May 20, 1946.

521,328. (CLASS 39. CLOTHING.) FRANK CLEVE, JR., Kansas City, Mo. Original filed, act of 1905, Aug. 21, 1946; amended to application under act of 1946, Supplemental Register, Oct. 27, 1948, Serial No. 507,715.

BESTBILT

FOR SHOE HEELS AND SOLES MADE OF RUBBER, RUBBER AND FABRIC AND RESILIENT MATERIAL WITH METALLIC INSERTS.
Claims use since 1936.

521,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARNOLD BAKERS, INC., by change of name from Brick Oven Bakers, Inc., Port Chester, N. Y. Original filed, act of 1905, Aug. 26, 1946; amended to application under act of 1946, Supplemental Register, Feb. 6, 1948, Serial No. 508,024.

BRICK OVEN

FOR BAKED GOODS—NAMELY, ROLLS.
Claims use since July 18, 1946.

521,330. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ELKAY MANUFACTURING COMPANY, Cicero, Ill. Original filed, act of 1905, Oct. 2, 1946; amended to application under act of 1946, Supplemental Register, Apr. 18, 1949, Serial No. 510,073.

Lustertone

FOR METAL SINKS FOR USE WITH OR WITHOUT CABINETS.
Claims use since Aug. 26, 1946.

521,331. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) C. S. PIERCE COMPANY, Brockton, Mass. Original filed, act of 1905, Oct. 22, 1946; amended to application under act of 1946, Supplemental Register, Nov. 29, 1948, Serial No. 511,287.

SAFE-T-FORM

FOR SHOE TREES.
Claims use since Aug. 13, 1946.

521,332. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif. Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Principal Register, Oct. 7, 1947; amended to Supplemental Register, Dec. 17, 1949, Serial No. 512,764.



FOR FRESH, CANNED, AND FROZEN DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Aug. 28, 1946.

521,333. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THEODORE C. METZGER, Lorain, Ohio. Original filed, act of 1905, Dec. 3, 1946; amended to application under act of 1946, Supplemental Register, Aug. 2, 1948, Serial No. 513,630.

DART·O·LITE

FOR GAME PLAYED WITH TARGETS AND DARTS, INCLUDING SIGNALS INDICATING HITS.
Claims use since July 14, 1946.

521,334. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAHAM BAKING CO., Lakewood, Ohio. Original filed, act of 1905, Dec. 23, 1946; amended to application under act of 1946, Supplemental Register, Jan. 21, 1949, Serial No. 514,704.



FOR FROZEN CAKE AND COOKY DOUGH AND FROSTINGS.
Claims use since Oct. 28, 1946.

521,335. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID G. EVANS COFFEE COMPANY, St. Louis, Mo. Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Supplemental Register, Nov. 19, 1948, Serial No. 517,626.

India House

FOR OLIVES, TEA, COCOA, VANILLA EXTRACT FOR FOOD PURPOSES, AND RICE.
Claims use since Feb. 10, 1947.

521,336. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) UNIVERSAL FOUNTAIN BRUSH CO., St. Petersburg, Fla. Original filed, act of 1905, Mar. 28, 1947; amended to application under act of 1946, Supplemental Register, Apr. 7, 1948, Serial No. 519,784.

Superline

FOR FELT-TIPPED FOUNTAIN MARKER FOR ADDRESSING SHIPMENTS, PRINTING SIGNS, AND FREE HAND MARKING OF ALL KINDS.
Claims use since Dec. 23, 1946.

521,337. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) BEAVERTONE FUR PROCESS CORP., New York, N. Y. Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Supplemental Register, Sept. 22, 1948, Serial No. 520,924.



Applicant claims ownership of Registration No. 395,017.
FOR DYED LAMB FUR SKINS.
Claims use since Feb. 11, 1947.

521,338. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN K. RUSSELL, doing business as Russell Lure Co., Los Angeles, Calif., assignor to Russelure Mfg. Co., Inc., Los Angeles, Calif., a corporation of California. Original filed, act of 1905, May 17, 1947; amended to application under act of 1946, Supplemental Register, Feb. 18, 1949, Serial No. 522,553.

RUSSELURE

FOR ARTIFICIAL FISH LURES.
Claims use since Apr. 8, 1947.

521,339. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ATLANTIC PLAYING CARD CO., INC., New York, N. Y. Original filed, act of 1905, May 23, 1947; amended to application under act of 1946, Supplemental Register, Sept. 9, 1948, Serial No. 522,910.

Kingsbridge

FOR PLAYING CARDS.
Claims use since Jan. 2, 1947.

521,340. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) SNYDER CHEMICAL CORPORATION, Bethel, Conn. Original filed, act of 1905, June 4, 1947; amended to application under act of 1946, Supplemental Register, Aug. 4, 1949, Serial No. 523,548.



FOR SYNTHETIC RESIN COMPOSITIONS PARTICULARLY MOLDING, CASTING, AND LAMINATING RESINOUS COMPOSITIONS.
Claims use since July 1, 1946.

521,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. RIANDA, doing business as S. Rianda Packing Co., Salinas, Calif. Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Supplemental Register, Feb. 28, 1948, Serial No. 523,803.



FOR FRESH VEGETABLES.
Claims use since July 21, 1944.

521,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BREDDO CORP., New York, N. Y. Original filed, act of 1905, June 20, 1947; amended to application under act of 1946, Supplemental Register, Feb. 12, 1949, Serial No. 524,514.

EVERSOFT

FOR SOFTENING AND EMULSIFYING AGENT USED IN BAKING.
Claims use since June 13, 1947.

521,343. (CLASS 39. CLOTHING.) ED WHITE JUNIOR SHOE COMPANY, Paragould, Ark. Original filed, act of 1946, Principal Register, July 25, 1947; amended to application, Supplemental Register, Nov. 28, 1949, Serial No. 529,511.

Brother 'n Sis

FOR BOYS' AND GIRLS' SHOES OF LEATHER, FABRIC, RUBBER, PLASTIC, AND/OR COMBINATIONS THEREOF.
Claims use since June 3, 1947.

521,344. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAMSON PRODUCTS CORP., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, July 25, 1947; amended to application, Supplemental Register, July 7, 1948, Serial No. 529,512.

ANTI·SEEP

FOR MASONRY WALL COATING OF PAINTLIKE MATERIAL.
Claims use since June 18, 1947.

521,345. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSSMOYNE PROCESSING CORPORATION, Rossmoyne, Pa. Original filed, act of 1946, Principal Register, Aug. 19, 1947; amended to application, Supplemental Register, Dec. 29, 1948, Serial No. 531,847.

LACTO·ZYME

FOR FEED SUPPLEMENT FOR POULTRY AND LIVESTOCK.
Claims use since Apr. 1, 1947.

521,346. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MCLAUGHLIN-MILLARD, INC., Dolgeville, N. Y. Original filed, act of 1946, Principal Register, Oct. 6, 1947; amended to application, Supplemental Register, Mar. 24, 1949, Serial No. 536,941.

ADIRONDACK

FOR BASEBALL BATS AND SOFTBALL BATS.
Claims use since Sept. 10, 1946.

521,347. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GATES RUBBER COMPANY, Denver, Colo. Original filed, act of 1946, Principal Register, Nov. 24, 1947; amended to application, Supplemental Register, Aug. 26, 1949, Serial No. 542,109.

SPEED-CORD

Applicant claims ownership of Registrations Nos. 404,226 and 438,513.
FOR POWER TRANSMISSION BELTS CONSTRUCTED OF RUBBER OR RUBBER LIKE MATERIAL.
Claims use since Oct. 15, 1946.

521,348. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) YOUNGS RUBBER CORPORATION, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 2, 1947; amended to application, Supplemental Register, Nov. 29, 1948, Serial No. 542,986.

"THE SYMBOL OF SAFETY"

FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Nov. 17, 1947.

521,349. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE FISHER SILVERSMITHS, INC., Jersey City, N. J., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 18, 1947; amended to application, Supplemental Register, Nov. 5, 1949, Serial No. 544,719.

WILSHIRE

FOR HOLLOW AND FLAT SILVERWARE.
Claims use since Feb. 25, 1947.

521,350. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) A. D. JUILLIARD & CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 24, 1948; amended to application, Supplemental Register, May 17, 1949, Serial No. 547,909.

"FINE FABRICS ARE THE FOUNDATION OF FASHION"

FOR WOOLEN PIECE GOODS.
Claims use since Dec. 6, 1946.

521,351. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EDWARD E. POOR, Jr., doing business as Amherst Blanket Company, Northampton, Mass. Original filed, act of 1946, Principal Register, Feb. 19, 1948; amended to application, Supplemental Register, Nov. 22, 1949, Serial No. 550,167.

RUG-LOCK

FOR NON-SKID RUG UNDERLAYS.
Claims use since Mar. 25, 1947.

521,352. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE LYNBROOK COMPANY, Muskogee, Okla. Original filed, act of 1946, Principal Register, Feb. 24, 1948; amended to application, Supplemental Register, Apr. 7, 1949, Serial No. 550,421.

HOTTER

FOR COMBINATION GAS HEATERS AND COOKING STOVES.
Claims use since Aug. 1, 1947.

521,353. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE TAPPAN STOVE COMPANY, Mansfield, Ohio. Original filed, act of 1946, Principal Register, Feb. 28, 1948; amended to application, Supplemental Register, July 28, 1949, Serial No. 550,857.

Sani-Clean

FOR OVENS AND OVEN LINERS FOR GAS RANGES AND STOVES.
Claims use since Oct. 1, 1947.

521,354. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BARBET MILLS, INC., Gastonia, N. C. Original filed, act of 1946, Principal Register, Mar. 9, 1948; amended to application, Supplemental Register, Apr. 21, 1949, Serial No. 551,511.

ROSSPUN

Applicant claims ownership of Registration No. 508,313.
FOR KNITTED FABRICS IN THE PIECE MADE OF COTTON, SYNTHETIC FIBERS, OR COMBINATIONS THEREOF.
Claims use since Jan. 15, 1948.

521,355. (CLASS 39. CLOTHING.) W. A. TAYLOR, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 11, 1948; amended to application, Supplemental Register, Sept. 30, 1949, Serial No. 551,747.

DiSARTo

FOR NECKTIES AND LOUNGING, BEACH, AND BATH ROBES, SCARVES, HANDKERCHIEFS, SPORT SHIRTS, JACKETS, LOUNGING JACKETS, AND DRESSING GOWNS.
Claims use since Jan. 26, 1948.

521,356. (CLASS 37. PAPER AND STATIONERY.) A. G. MAYER, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 29, 1948; amended to application, Supplemental Register, Nov. 21, 1949, Serial No. 553,300.

Handy Holster

FOR MOLDED PEN AND PENCIL CASES IN THE FORM OF HOLSTERS WHICH MAY BE ATTACHED TO A TROUSER BELT OR PINNED TO A SHIRT.
Claims use since Dec. 1, 1947.

521,357. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) NORMAN PRODUCTS COMPANY, Columbus, Ohio. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, Sept. 15, 1949, Serial No. 554,246.

Norman TWINfuel

Applicant claims ownership of Registration No. 99,456.
FOR OIL AND GAS-FIRED CONVERSION BURNER.
Claims use since Feb. 2, 1948.

521,358. (CLASS 39. CLOTHING.) VINCENT SANGES, INC., Gloversville, N. Y. Original filed, act of 1946, Principal Register, Apr. 12, 1948; amended to application, Supplemental Register, May 13, 1949, Serial No. 554,421.

Sanges Gloves

FOR MEN'S AND WOMEN'S GLOVES OF LEATHER OR FABRIC MATERIAL.
Claims use since Apr. 10, 1945.

521,359. (CLASS 39. CLOTHING.) FARBMAN & WILSON, INC., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Apr. 16, 1948; amended to application, Supplemental Register, July 1, 1949, Serial No. 554,779.

Templeton

FOR OUTER APPAREL—NAMELY, MEN'S SUITS, COATS, PANTS, VESTS, TOPCOATS AND OVERCOATS.
Claims use since Mar. 12, 1948.

521,360. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PONEMAH MILLS, Taftville, Conn. Original filed, act of 1946, Principal Register, Apr. 30, 1948; amended to application, Supplemental Register, May 17, 1949, Serial No. 555,956.

"TRULI-KOOL"

FOR RAYON PIECE GOODS.
Claims use since Apr. 13, 1948.

521,361. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANISH CREAMERY ASSOCIATION, Fresno, Calif. Original filed, act of 1946, Principal Register, June 23, 1948; amended to application, Supplemental Register, Dec. 9, 1949, Serial No. 559,998.

DANISH CREAMERY

Applicant claims ownership of Registrations Nos. 413,192 and 412,583.
FOR BUTTER.
Claims use since 1901.

521,362. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WILLING CO., Kansas City, Mo. Original filed, act of 1946, Principal Register, June 23, 1948; amended to application, Supplemental Register, Nov. 28, 1949, Serial No. 560,075.

PAN-GARD

FOR METAL CONTAINER WITH A REMOVABLE HANDLE USED FOR BROILING AND BAKING AND ALSO USED FOR LIFTING AND HANDLING OF HOT COOKING AND BAKING WARE.
Claims use since June 2, 1948.

521,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOLTZ TEA & COFFEE CO., New Orleans, La. Original filed, act of 1946, Principal Register, July 28, 1949; amended to application, Supplemental Register, Dec. 13, 1949, Serial No. 562,349.

"Fresh as the morning dew"

FOR COFFEE.
Claims use since June 15, 1946.

521,364. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Aug. 26, 1948; amended to application, Supplemental Register, Aug. 24, 1949, Serial No. 564,224.

VARI-VOGUE CLOTH

FOR COTTON PRINT CLOTH.
Claims use since July 1948.

521,365. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HARD ROCK MAPLE TEN PIN CO., Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 9, 1948; amended to application, Supplemental Register, Oct. 22, 1949, Serial No. 564,874.

Hard Rock Maple

FOR BOWLING PINS.
Claims use since Jan. 1, 1942.

521,366. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRANK P. MITTEN, Redlands, Calif. Original filed, act of 1946, Principal Register, Sept. 13, 1948; amended to application, Supplemental Register, Sept. 30, 1949, Serial No. 565,069.

PINBACK

FOR FONT ASSORTMENTS OF LETTERS AND FIGURES AND ILLUSTRATING ACCESSORIES FOR USE IN MAKING UP CHANGEABLE AND PERMANENT SIGNS.
Claims use since July 10, 1934.

521,367. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRANK P. MITTEN, Redlands, Calif. Original filed, act of 1946, Principal Register, Sept. 13, 1948; amended to application, Supplemental Register, Sept. 30, 1949, Serial No. 565,070.

SANDBACK

FOR FONT ASSORTMENTS OF LETTERS AND FIGURES AND ILLUSTRATING ACCESSORIES FOR USE IN MAKING UP CHANGEABLE AND PERMANENT SIGNS.
Claims use since July 18, 1934.

521,368. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORBEST TURKEY GROWERS ASSOCIATION, Salt Lake City, Utah. Original filed, act of 1946, Principal Register, Sept. 27, 1948; amended to application, Supplemental Register, Oct. 24, 1949, Serial No. 566,300.

FRYBEST

FOR FROZEN, FRESH, CUT-UP DRESSED POULTRY.
Claims use since Sept. 8, 1948.

521,369. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) MCGREEVEY, WERRING & HOWELL, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 7, 1948; amended to application, Supplemental Register, Aug. 25, 1949, Serial No. 566,628.

HOWELL

FOR SHEETS AND PILLOW CASES.
Claims use since 1945.

521,370. (CLASS 39. CLOTHING.) H. DUBOVY & CO., INC., New York, N. Y. Filed Oct. 13, 1948, Serial No. 567,121

Du Bovy Clothes

FOR MEN'S AND YOUNG MEN'S SUITS AND COATS.
Claims use since July 15, 1947.

521,371. (CLASS 39. CLOTHING.) S. SCHNEIDER & SONS, New York, N. Y. Filed Nov. 10, 1948, Serial No. 568,539.

SCHNEIDER'S Famous KIDDIEWEAR

FOR BABY BOY SUITS.
Claims use since 1928.

521,372. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DON H. PLACIER, doing business as Placier's, Chillicothe, Ohio. Original filed, act of 1946, Principal Register, Dec. 11, 1948; amended to application, Supplemental Register, Oct. 10, 1949, Serial No. 569,714

"The Paint Store On Paint Street"

FOR DRY, READY-MIXED, AND PASTE PAINTS, VARNISHES, LINSEED OIL, AND TURPENTINE, SAID PRODUCTS BEING FOR EXTERIOR AND INTERIOR PAINTING OF WALLS, MASONRY, CONCRETE, HOUSES, FLOORS AND ROOFS, THE LINSEED OIL AND TURPENTINE BEING FOR USE IN PAINTS.
Claims use since July 3, 1936.

521,373. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) G. W. CARLETON, Van Nuys, Calif. Filed Dec. 14, 1948, Serial No. 570,477.

HOLLYWOOD Magic LANTERN

FOR TOY PROJECTOR.
Claims use since Nov. 1, 1947.

521,374. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PEERLESS MILLS CO. OF NEW YORK, INC., New York, N. Y. Filed Dec. 16, 1948, Serial No. 570,629.

THE CROWNING TOUCH OF EVERY GARMENT

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Oct. 4, 1947.

521,375. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODERN FOOD PRODUCTS COMPANY, San Francisco, Calif. Original filed, act of 1946, Principal Register, Dec. 20, 1948; amended to application, Supplemental Register, Dec. 12, 1949, Serial No. 570,866.

SEA RICH

FOR CANNED CRABMEAT.
Claims use since June 26, 1948.

521,376. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. O. MUIR AND COMPANY, Salt Lake City, Utah. Original filed, act of 1946, Principal Register, Dec. 21, 1948; amended to application, Supplemental Register, Dec. 12, 1949, Serial No. 570,904.

MT. NEBO

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since Nov. 22, 1948.

521,377. (CLASS 39. CLOTHING.) THE SUPERB GLOVE COMPANY, Johnstown, N. Y. Filed Dec. 28, 1948, Serial No. 571,239.

CRESCENDOR LEATHER TAILORED OF WONDERFUL WONDER FABRIC

Applicant claims ownership of Registrations Nos. 213,299 and 420,108.
FOR LADIES' AND MEN'S FABRIC GLOVES.
Claims use since Aug. 9, 1946.

521,378. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) RAYFLEX FABRICS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 29, 1948; amended to application, Supplemental Register, Sept. 8, 1949, Serial No. 571,291.

POWERFLEX

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, WORSTED, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Oct. 20, 1947.

521,379. (CLASS 27. HOROLOGICAL INSTRUMENTS.) PENNINO BROS., INC., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 25, 1949; amended to application, Supplemental Register, Nov. 16, 1949, Serial No. 572,684.

Pennino

FOR WATCHES, WATCH CASES.
Claims use since September 1947.

521,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY COMPANY, New Orleans, La. Filed May 25, 1949, Serial No. 580,550.

"French Drip"

FOR CANDY.
Claims use since Jan. 15, 1944.

Service Mark

521,381. (CLASS 104. COMMUNICATION.) BOOTH RADIO STATIONS, INC., Detroit, Mich. Filed May 20, 1948, Serial No. 557,428.

THE VOICE OF FLINT

The cross hatching is for shading purposes only.
FOR RADIO PROGRAM BROADCASTING.
Claims use since Mar. 1, 1947.

TRADE-MARK REGISTRATIONS RENEWED

32,973. "THE SAVORY CIGARETTES'" ETC. Registered May 30, 1899. Harry Lindsay Savory. Re-renewed May 30, 1949, to H. L. Savory & Company, Limited, London, England, a British corporation. CIGARETTES. Class 17.

75,120. "REDDITCH" AND DRAWING. Registered Sept. 7, 1909. Henry Milward & Sons Limited. Re-renewed Sept. 7, 1949, to Needle Industries Limited, Redditch, England, a corporation organized under the laws of Great Britain. NEEDLES FOR HAND SEWING. Class 40.

76,348. "ALAGA" AND DRAWING. Registered Jan. 11, 1910. Alabama-Georgia Syrup Co., Montgomery, Ala., a corporation of Alabama. Re-renewed Jan. 11, 1950. CANE AND CORN COMPOUND SYRUP. Class 46.

76,476. PLASTULES. Registered Jan. 18, 1910. John Wyeth & Brother, Incorporated. Re-renewed Jan. 18, 1950, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. MEDICINAL PLASTIC PILL, ROUND OR OVAL, COATED OR UNCOATED. Class 18.

76,722. PITUITRIN. Registered Feb. 8, 1910. Parke Davis & Co. Re-renewed Feb. 8, 1950, to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. CARDIO-VASCULAR STIMULANTS AND DIURETICS. Class 18.

77,559. BULLDOG. Registered Apr. 19, 1910. The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio. Re-renewed Apr. 19, 1950. DIE STOCKS. Class 23.

77,624. "WHITE HOUSE" AND DRAWING. Registered Apr. 26, 1910. Dwinell-Wright Company, Boston, Mass., a corporation of Massachusetts. Re-renewed Apr. 26, 1950. TEA. Class 46.

77,625. "WHITE HOUSE" AND DRAWING. Registered Apr. 26, 1910. Dwinell-Wright Company, Boston, Mass., a corporation of Massachusetts. Re-renewed Apr. 26, 1950. COFFEE. Class 46.

247,086. "SMITHSON" AND DRAWING. Registered Sept. 18, 1928. J. W. Smith & Sons, doing business as Smithson. Renewed Sept. 18, 1948, to Jos. W. Smith & Sons, New York, N. Y., a firm. MEN'S AND BOYS' SUITS, TOPCOATS, AND OVERCOATS. Class 39.

261,414. "CHAMBERLAIN'S HAND LOTION" ETC. AND DRAWING. Registered Sept. 17, 1929. Chamberlain Medicine Co. Renewed Sept. 17, 1949, to Chamberlain Laboratories, Inc., Des Moines, Iowa, a corporation of Iowa. HAND LOTION. Class 51.

261,991. WAT-A-MAT. Registered Sept. 24, 1929. Frederic D. Pfening, doing business as The Fred D. Pfening Company, Columbus, Ohio. Renewed Sept. 24, 1949. COMBINED LIQUID DISPENSING AND MEASURING APPARATUS. Class 26.

262,030. "ALL-NU" AND BACKGROUND DESIGN LINED FOR BLUE AND YELLOW. Registered Sept. 24, 1929. The R. M. Hollingshead Co. Renewed Sept. 24, 1949, to R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey. FLY SPRAY FOR FLIES, MOTHS, AND MOSQUITOES. Class 6.

262,270. POLK'S BEST. Registered Oct. 1, 1929. The Sears & Nichols Corporation, doing business as J. T. Polk Company, Chillicothe, Ohio. Renewed Oct. 1, 1949, to Ladoga Canning Company, Indianapolis, Ind., a corporation of Indiana. CANNED VEGETABLES, TOMATO CATSUP, AND CHILI SAUCE. Class 46.

262,702. "CLASSIC" AND DRAWING. Registered Oct. 22, 1929. The Sears & Nichols Corporation, Chillicothe, Ohio. Renewed Oct. 22, 1949, to United Foods, Inc., Chicago, Ill., a corporation of Delaware. CANNED VEGETABLES, CATSUP, AND CHILI SAUCE. Class 46.

263,535. SUNNY DAY. Registered Nov. 5, 1929. The Dexter Company, Fairfield, Iowa. Renewed Nov. 5, 1949, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. WASHING MACHINES FOR HOUSEHOLD LAUNDRY USE. Class 24.

263,767. ERIOTINON. Registered Nov. 12, 1929. Geigy Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 12, 1949. DYESTUFFS, LAKES, AND CHEMICAL PRODUCTS SUITABLE FOR DYEING PURPOSES. Class 6.

264,017. "ELGIN" AND DESIGN. Registered Nov. 12, 1929. Elgin Softener Corporation, Elgin, Ill., a corporation of Illinois. Renewed Nov. 12, 1949. WATER-SOFTENING SYSTEMS AND PARTS THEREOF. Class 23.

264,241. IRGALITE. Registered Nov. 19, 1929. Geigy Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 19, 1949. COAL-TAR DYES SUITABLE FOR THE PRODUCTION OF LAKES. Class 6.

264,242. FROBENO. Registered Nov. 19, 1929. Geigy Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 19, 1949. COAL-TAR DYES SUITABLE FOR THE PRODUCTION OF PRINTING INKS. Class 6.

264,695. "OAKLEAF" AND DRAWING. Registered Dec. 3, 1929. Oakleaf Mills. Renewed Dec. 3, 1949, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia. INDUSTRIAL WIPING CLOTHS. Class 29.

265,140. TETTERINE. Registered Dec. 17, 1929. Shuptrine Co. Renewed Dec. 17, 1949, to Shuptrine Company, Savannah, Ga., a firm. PREPARATION FOR RINGWORM, ITCH, AND PARASITIC SKIN DISEASES. Class 18.

265,489. NARCO. Registered Dec. 31, 1929. North American Refractories Company, Cleveland, Ohio, a corporation of Delaware. Renewed Dec. 31, 1949. FIRE CLAY AND CALCINED FIRE CLAY. Class 1.

265,673. "HORTON'S HOME TREAT" ETC. AND DESIGN. Registered Jan. 7, 1930. J. M. Horton Ice Cream Company, Inc. Renewed Jan. 7, 1950, to The Borden Company, New York, N. Y., a corporation of New Jersey. ICE CREAM. Class 46.

265,674. "HORTON'S ICE CREAM" ETC. AND DESIGN. Registered Jan. 7, 1930. J. M. Horton Ice Cream Company, Inc. Renewed Jan. 7, 1950, to The Borden Company, New York, N. Y., a corporation of New Jersey. ICE CREAM. Class 46.

265,731. "THE SUPER SERVICE STATION" AND DESIGN. Registered Jan. 7, 1930. The Irving-Cloud Publishing Co. Renewed Jan. 7, 1950, to The Irving-Cloud Publishing Co., Chicago, Ill., a corporation of Delaware. MAGAZINE. Class 38.

265,811. STIEFF. Registered Jan. 7, 1930. The Stieff Company, Baltimore, Md., and Richmond, Va. Renewed Jan. 7, 1950, to The Stieff Company, Baltimore, Md., a corporation of Maryland. TOILET ARTICLES, TABLEWARE, HOLLOW WARE, AND FLAT WARE, ALL MADE OF STERLING SILVER OR SOLID GOLD. Class 28.

266,339. "MAGNOLIA" ETC. AND DESIGN. Registered Jan. 14, 1930. Magnolia Petroleum Company, Dallas, Tex., a corporation of Texas. Renewed Jan. 14, 1950. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, ETC. Class 15.

266,384. CELCURE. Registered Jan. 14, 1930. Gilbert Gunn, Pollokshaws, Glasgow, Scotland. Renewed Jan. 14, 1950, to Celcure Wood Preserving Corporation, Jacksonville, Fla., a corporation of Delaware. CHEMICAL COMPOUND FOR USE AS A WOOD PRESERVATIVE. Class 6.

266,831. "CALIFORNIA BASKET" ETC. LINED FOR BLUE. Registered Feb. 4, 1930. Randolph Marketing Company, Riverside and Los Angeles, Calif. Renewed Feb. 4, 1950, to Marshall Anderson, Los Angeles, Calif. FRESH VEGETABLES. Class 46.

267,145. "PAN-AM" ETC. AND DESIGN. Registered Feb. 11, 1930. Pan American Petroleum & Transport Company, Wilmington, Del. Renewed Feb. 11, 1950, to Pan American Petroleum & Transport Company, New York, N. Y., a corporation of Delaware. GASOLINE AND LUBRICATING OILS AND GREASES. Class 15.

267,881. FERRET. Registered Mar. 4, 1930. Snap-On Wrench Company, Chicago, Ill. Renewed Mar. 4, 1950, to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware. WRENCHES, WRENCH SETS, WRENCH SOCKETS, TOOL HANDLES, AND SCREW DRIVERS. Class 23.

267,929. I M P. Registered Mar. 4, 1930. Chula Vista Citrus Association. Renewed Mar. 4, 1950, to The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California. FRESH CITRUS FRUITS—NAMELY, LEMONS. Class 46.

268,070. CONTOUR-LASTIK. Registered Mar. 4, 1930. Franco Corset Company, New York, N. Y., a firm. Renewed Mar. 4, 1950. CORSETS. Class 39.

268,174. "TWOMAX" AND DRAWING. Registered Mar. 11, 1930. McClure & McIntosh, Limited, Glasgow, Scotland, a company incorporated under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Mar. 11, 1950. KNITTED ARTICLES OF CLOTHING—TO WIT, MEN'S, LADIES', BOYS', GIRLS', AND CHILDREN'S KNITTED PULL OVERS, ETC. Class 39.

268,273. ERAYDO. Registered Mar. 11, 1930. Illinois Zinc Company, Chicago, Ill., a corporation of Illinois. Renewed Mar. 11, 1950. ZINC ALLOY SOLD IN SHEETS AND STRIPS. Class 14.

268,593. TUMS. Registered Mar. 18, 1930. The A. H. Lewis Medicine Co. Renewed Mar. 18, 1950, to Lewis-Howe Company, St. Louis, Mo., a corporation of Delaware. CARMINATIVE-ANTACID CORRECTIVE FOR STOMACH DISTRESS. Class 18.

268,655. "PABUTOLE" AND DESIGN. Registered Mar. 18, 1930. Sharp & Dohme, Incorporated, Baltimore, Md. Renewed Mar. 18, 1950, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. SCIENTIFIC PREPARATION CONTAINING IN PALATABLE AND EASILY ASSIMILABLE FORM THE ESSENTIAL DIETARY FACTORS FOR USE AS A FOOD ADJUNCT, ETC. Class 18.

269,014. "SPORTVIEW" ETC. AND DRAWING. Registered Mar. 25, 1930. E. P. Reed & Co., Rochester, N. Y., a corporation of New York. Renewed Mar. 25, 1950. SHOES MADE OF LEATHER. Class 39.

269,073. DURBAR. Registered Mar. 25, 1930. Fred Butterfield & Co., Inc., New York, N. Y. Renewed Mar. 25, 1950, to Merrimack Manufacturing Company, Lowell, Mass., a corporation of Massachusetts. COTTON, LINEN, SILK, RAYON, AND/OR COMBINATIONS THEREOF IN THE PIECE. Class 42.

269,185. CERTIFIED. Registered Mar. 25, 1930. Curlee Clothing Company, St. Louis, Mo., a corporation of Delaware. Renewed Mar. 25, 1950. MEN'S SUITS. Class 39.

269,277. OIL-O-MATIC. Registered Apr. 1, 1930. Williams Oil-O-Matic Heating Corporation. Renewed Apr. 1, 1950, to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan. AUTOMATIC ELECTRICALLY CONTROLLED AND OPERATED FUEL HEATING SYSTEMS, INCLUDING THE ELECTRICALLY OPERATED CONTROLS THEREFOR. Class 34.

269,302. CAL-BIS-MA. Registered Apr. 1, 1930. Waterbury Chemical Company, Inc. Renewed Apr. 1, 1950, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware. MEDICINES AND PHARMACEUTICAL PREPARATIONS—NAMELY, PREPARATIONS FOR THE TREATMENT OF FLATULENCE, ETC. Class 18.

269,399. CROSS STITCH. Registered Apr. 8, 1930. Harold S. Vinson, doing business as Crystal Studio, Ottumwa, Iowa. Renewed Apr. 8, 1950, to Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania. PACKAGED CONFECTIONERY — NAMELY, CANDIES AND CUBE SUGAR. Class 46.

269,602. REPRESENTATION OF BASKET LINED AND STIPPLED FOR RED, GREEN, RED AND GRAY BANDS. Registered Apr. 15, 1930. Manatee Crate Company, Inc., Manatee, Fla. Renewed Apr. 15, 1950, to Nocatee-Manatee Crate Company, Nocatee, Fla., a corporation of Florida. FRUIT AND VEGETABLE HAMPERS. Class 2.

270,064. "PETERS DIAMOND" ETC. AND DESIGN. Registered Apr. 22, 1930. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed Apr. 22, 1950. BOOTS AND SHOES OF LEATHER. Class 39.

270,479. "BLUE POINT" AND REPRESENTATION OF ARROWS. Registered May 6, 1930. Blue Point Tool Company, Chicago, Ill. Renewed May 6, 1950, to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware. WRENCHES, WRENCH SETS, WRENCH SOCKETS, TOOL HANDLES, SCREW DRIVERS, GAUGES, CHISELS, VALVE-LIFTING TOOLS, AND RIM TOOLS. Class 23.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

420,868. W-G. Registered May 7, 1946. Winter Garden Citrus Products Cooperative, Winter Garden, Fla. CANNED FRUITS AND VEGETABLES, ETC. Class 46. Amended as follows: In the statement, lines 7 and 8, "canned fruits and vegetables," is deleted; and in lines 9 and 10 "fresh citrus fruits and canned tomato juice," is deleted.

515,521. TESTE PLEX. Registered Sept. 27, 1949. Horton & Converse, Los Angeles, Calif. MALE SEX HORMONE FOR USE IN HORMONE THERAPY. Class 6. Corrected as follows: On the page containing the statement and declaration, in the heading, after "PRINCIPAL REGISTER Trade-Mark" insert *Concurrent Use.*

517,597. TOOLMOBILE. Registered Nov. 15, 1949. Plomb Tool Company, Los Angeles, Calif. LARGE TOOL CHEST ON WHEELS FOR USE IN GARAGES AND SHOPS. Class 19. The drawing is hereby amended to appear as follows:

TOOLMOBILE

517,716. CIGALITE. Registered Nov. 22, 1949. Weber Metals Corporation, Bronx, N. Y., now by change of name Cigalite Flint Corporation. FLINTS. Class 8. Corrected as follows: On the page containing the statement and declaration, upper right hand corner thereof, for "Registration No. 571,716" read *Registration No. 517,716.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 442,099. Registered Feb. 22, 1949. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich., a corporation of Michigan. Republished by registrant.

PESTMASTER

FOR INSECTICIDE IN POWDER FORM USED FOR THE CONTROL OF INSECTS.
Claims use since July 15, 1945.

Reg. No. 443,179. Registered Aug. 2, 1949. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich., a corporation of Michigan. Republished by registrant.

SOILMASTER

FOR COMPOUND CONTAINING CHLOROBROMOMETHANE FOR USE IN THE TREATMENT AND FUMIGATION OF SOIL FOR THE CONTROL OF NEMATODES.
Claims use since July 2, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 440,847. Registered Oct. 5, 1948. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich., a corporation of Michigan. Republished by registrant.

DUSTMASTER

FOR HYGROSCOPIC COMPOSITION IN LIQUID FORM TO BE APPLIED TO ROADS, TENNIS COURTS, ET CETERA, FOR THE CONSOLIDATION OF THE SURFACES THEREOF.
Claims use since May 17, 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 264,204. Registered Nov. 19, 1929. DIAMOND EXPANSION BOLT CO., Garwood, N. J. Republished by Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey.



FOR METAL CLAMPS FOR METAL CONDUIT, CABLE, AND PIPE.
Claims use since on or about Aug. 1, 1919.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 63,312. Registered June 11, 1907. DR. J. G. B. SIEGERT & HIJOS, Port of Spain, Trinidad. Republished by Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited, Port of Spain, Trinidad, a company incorporated under the laws of Trinidad.

Angostura

FOR BITTERS.
Claims use since about 1831.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 255,562. Registered Apr. 23, 1929. MILLERS FALLS COMPANY, Millers Falls, Mass., a corporation of Massachusetts. Republished by registrant, present address Greenfield, Mass.

MILLERS FALLS TOOLS

The word "Tools" is disclaimed apart from the mark as shown. The drawing is lined for red.
FOR ELECTRIC PORTABLE DRILLS, ELECTRIC SCREW DRIVERS, ELECTRIC PORTABLE GRINDERS, ELECTRIC BENCH GRINDERS, AND ELECTRIC SANDERS.
Claims use since Mar. 15, 1926, or thereabouts.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 128,325. Registered Jan. 6, 1920. CEMENT-GUN COMPANY, INC., Allentown, Pa., and New York, N. Y. Republished by Cement Gun Company, Allentown, Pa., a corporation of Delaware.

CEMENT-GUN

FOR MACHINES OR APPARATUS FOR MIXING AND APPLYING PLASTIC AND ADHESIVE MATERIALS TO STRUCTURES OR OTHER SURFACES AND PARTS OF SUCH MACHINES.
Claims use since December 1910.

Reg. No. 137,462. Registered Nov. 23, 1920. THE T. L. SMITH COMPANY, Chicago, Ill., and Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant, present address Milwaukee, Wis.



FOR CONTRACTORS' TILTING AND NON-TILTING MIXERS, GLASS AND FERTILIZER MIXERS.
Claims use since early in the year 1919.

Reg. No. 309,046. Registered Dec. 26, 1933. MILLERS FALLS COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

BLU-MOL

FOR HACK SAW BLADES.
Claims use since July 20, 1933.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 255,471. Registered Apr. 23, 1929. SIGMA TAU, Lincoln, Nebr., an unincorporated association. Republished by registrant.

ΣT

FOR PINS, KEYS, AND MEDALS MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since 1904.

CLASS 39

CLOTHING

Reg. No. 54,234. Registered June 26, 1906. THOMAS B. FITZPATRICK, Boston, Mass. Republished by E-Z Mills, Inc., New York, N. Y., a corporation of New York.

E-Z

FOR WEARING APPAREL—NAMELY, UNDERWAISTS FOR WOMEN AND CHILDEN.
Claims use since Dec. 1, 1895.

Reg. No. 147,308. Registered Oct. 11, 1921. THE E-Z WAIST COMPANY, New York, N. Y. Republished by E-Z Mills, Inc., New York, N. Y., a corporation of New York.

EASY E-Z

FOR UNDERWAISTS, UNION-SUITS, AND SLEEPING GARMENTS.
Claims use since Dec. 1, 1895.

Reg. No. 148,401. Registered Nov. 15, 1921. THE E-Z WAIST COMPANY, New York, N. Y. Republished by E-Z Mills, Inc., New York, N. Y., a corporation of New York.

E SLEEP EASY Z

FOR UNDERWEAR—NAMELY, SLEEPING-GARMENTS.
Claims use since Jan. 27, 1921.

Reg. No. 222,107. Registered Dec. 21, 1926. E-Z WAIST COMPANY, New York, N. Y. Republished by E-Z Mills, Inc., New York, N. Y., a corporation of New York.

FIT-EZ

The word "Fit" is disclaimed apart from the mark as shown.

FOR UNION SUITS OF BOTH KNITTED AND TEXTILE FABRIC.

Claims use since July 7, 1926.

Reg. No. 234,981. Registered Nov. 8, 1927. THE CARTERSVILLE MILLS, INCORPORATED, Cartersville, Ga. Republished by E-Z Mills, Inc., New York, N. Y., a corporation of New York.

STURDEE

FOR CHILDREN'S KNIT RIBBED UNDERWEAR.

Claims use since Feb. 1, 1927.

Reg. No. 356,721. Registered May 10, 1938. WARE VALLEY MANUFACTURING CO., INC., Ware, Mass., and New York, N. Y. Republished by E-Z Mills, Inc., New York, N. Y., a corporation of New York.

Healthweight

FOR KNITTED UNDERWEAR FOR MEN AND BOYS.

Claims use since Aug. 24, 1937.

Reg. No. 360,834. Registered Sept. 27, 1938. SEARS, ROEBUCK AND CO., Chicago, Ill. Republished by E-Z Mills, Inc., New York, N. Y., a corporation of New York.

E
EZ
UP

FOR HOSIERY.

Claims use since Nov. 29, 1937.

Reg. No. 364,058. Registered Jan. 17, 1939. E-Z MILLS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OTIS

FOR UNDERWEAR FOR MEN.

Claims use since 1870.

Reg. No. 371,958. Registered Oct. 17, 1939. E-Z MILLS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OTIS

FOR MEN'S, WOMEN'S AND CHILDREN'S HOSIERY.

Claims use since Apr. 7, 1939.

Reg. No. 413,533. Registered May 1, 1945. FOX KNAPP MANUFACTURING CO., New York, N. Y., a corporation of Pennsylvania. Republished by registrant.

Cutty Sark

FOR SPORTSWEAR—NAMELY, MEN'S AND BOYS' MACKINAWS, WOOL SHIRTS, COATS, LUMBERJACKS, AND WINDBREAKERS, MADE OF WOOL MATERIALS.

Claims use since Nov. 8, 1944.

Reg. No. 441,405. Registered Nov. 23, 1948. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Candleglow

FOR WOMEN'S NIGHTGOWNS AND PAJAMAS.

Claims use since Mar. 31, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 439,521. Registered July 6, 1948. ALBERT D. SMITH & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

DEVRON

FOR BOOK CLOTH IN THE PIECE.

Claims use since Feb. 28, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 85,080. Registered Jan. 30, 1912. CONSERVENFABRIK LENZBURG VORM. HENCKELL & ROTH, Lenzburg, Switzerland. Republished by Conserves Hero Lenzbourg, Lenzburg, Switzerland, a corporation of Switzerland.

Hero

FOR CONSERVED FRUITS AND VEGETABLES, CANNED MEATS AND MARMALADES AND JAMS.

Claims use since May 1910.

Reg. No. 252,009. Registered Jan. 22, 1929. MUTUAL STORES, INC., Oakland, Calif. Republished by Salem Commodities, Incorporated, Oakland, Calif., a corporation of Maryland.

PIEDMONT

FOR PURE SAGE HONEY, RELISH SPREAD CONSISTING OF CHOPPED PICKLES AND MAYONNAISE, CANNED FISH, EVAPORATED MILK, DRIED PEACHES, JELLY, LOGANBERRY PRESERVES, PURE APPLE-CIDER VINEGAR, POPCORN IN ITS NATURAL STATE, TABLE SYRUP, CHICKEN TAMALES, PLAIN PICKLES, MAYONNAISE, PEPPER, LEMON EXTRACT FOR FLAVORING FOODS, OATS, A BREAKFAST CEREAL; MUSHROOM SAUCE.

Claims use since Jan. 5, 1928.

Reg. No. 342,859. Registered Feb. 2, 1937. M. L. GRAHAM, Seattle, Wash. Republished by registrant.

COON CHICKEN

The word "Chicken" is disclaimed apart from the mark as shown.

FOR MAYONNAISE, SALAD DRESSINGS, COOKED CHICKEN, CANNED SOUPS OF ALL KINDS, COOKED TURKEY, NOODLES, SANDWICH BREAD, CANNED SPAGHETTI, RAVIOLA, CHOP SUEY, CHICKEN A LA KING, CHICKEN AND NOODLES, CHICKEN SANDWICH SPREAD.

Claims use since May 1925.

Reg. No. 443,355. Registered Sept. 6, 1949. PAUL A. DOBSON, Exeter, Calif. Republished by registrant.

Million Dollar

FOR FRESH GRAPES.

Claims use since 1931.

Reg. No. 443,510. Registered Nov. 1, 1949. PILLSBURY MILLS, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

CARLETON

FOR WHEAT FLOUR.

Claims use since about Jan. 1, 1874.

23,198

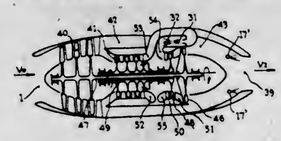
REACTION PROPELLING DEVICE FOR AIRCRAFT

René Anxionnaz and Roger Imbert, Paris, France; vested in the Attorney General of the United States

Original No. 2,396,911, dated March 19, 1946, Serial No. 367,666, November 28, 1940. Application for reissue October 10, 1947, Serial No. 779,090. In France December 4, 1939

4 Claims. (Cl. 60—35.6)

1. A propelling system for an aircraft which comprises, in combination, a tunnel-like casing extending in the fore-and-aft direction of said aircraft, a compressor in said casing, including at least two stages in series, a divergent air inlet at the front end of said casing for slowing down the velocity of the inflowing air on its way from the atmosphere toward said compressor, a gas turbine in said casing mechanically coupled with said compressor for driving it, extraneous means for heating at least a portion of the air delivered by said compressor, means for leading said heated air to the intake of said turbine, a reaction nozzle at the rear end of said casing for expanding the fluid from said turbine and discharging it into

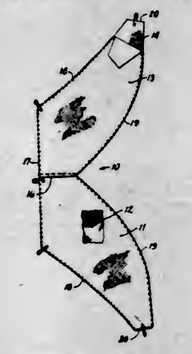


the atmosphere in the rearward direction with an increased velocity, and means for by-passing air from said compressor between said two compression stages thereof, and mixing said by-passed air with the gases issuing from said turbine and proceeding to said nozzle.

PATENTS

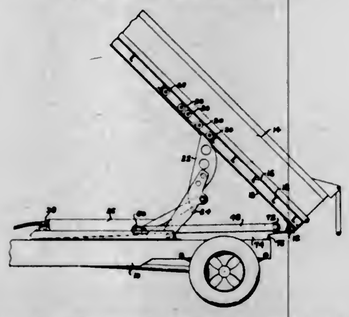
GRANTED FEBRUARY 21, 1950

2,497,843
DRESS SHIELD
Lorna Doon Berle, Pelham Manor, N. Y.
Application June 13, 1947, Serial No. 754,385
10 Claims. (Cl. 2—53)



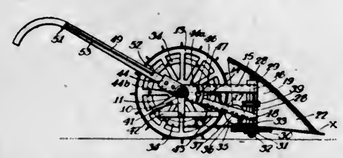
10. A dress shield comprising a length of material having opposite ends said length to be looped to conform to the inner surface of a dress sleeve bringing said ends adjacent each other at the top of the sleeve, and having a relatively straight edge to be positioned toward the outer edge of the dress sleeve and a pair of inwardly curved intersecting edges to be positioned inwardly of the sleeve.

2,497,844
HOIST MECHANISM FOR DUMP TRUCKS
Fred Bissants, Galion, Ohio, assignor to Hercules Steel Products Co., Galion, Ohio, a corporation of Ohio
Application October 9, 1947, Serial No. 778,900
9 Claims. (Cl. 298—22)



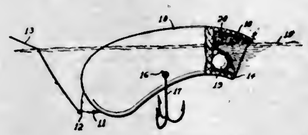
3. In a hoist mechanism for a dump body pivoted on a transverse axis adjacent the rear end thereof; a group of rollers supported underneath side of said body at each side of the center thereof, said rollers being spaced along the length of said body and rotatable on axes parallel with the pivot axis of said body, an arm at each side of said body pivoted therebeneath and extending forwardly beneath said rollers, each said arm having a joint intermediate its ends for permitting said arm to break convex upwardly when moved toward said rollers and to lie flat beneath said body when retracted from said rollers, a compression member engaging each arm at the joint thereof and extending forwardly therefrom, roller means at the forward ends of said compression members, track means supporting said roller means for substantially horizontal movement thereof, and means comprising a hydraulically actuated ram connected with said forward ends of said compression members for actuating said members and said arms for tilting said body, said arms and compression members comprising laterally offset elements which interleave when in their retracted position thereby to lie flat beneath said truck body.

2,497,845
TOBACCO HARVESTING MACHINE
Allen J. Burkhart, Sedgwick, Kans.
Application February 28, 1945, Serial No. 580,190
2 Claims. (Cl. 56—27.5)



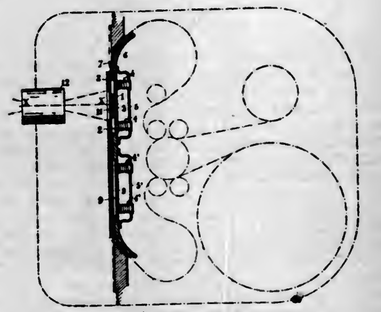
1. In a tobacco harvesting machine of the kind described; the combination of an axle, a pair of wheels, one of said wheels having a belt pulley thereon, said wheels being revolvably mounted on said axle, a frame and an axle housing as a part thereof, said frame being rockably carried by said axle housing which is rockably mounted on said axle, and handle means for handling the machine, said handle means being rockably carried by the axle housing and means for rigidly attaching said handle means to the frame in adjusted vertical angular positions relative to the frame, a shaft, said shaft being vertically positioned and revolvably carried in bearings supported on said frame and at one side thereof, and pulley means on said shaft, a belt, said belt passing around and engaging the said pulley means on one of said wheels and the pulley means on said shaft for driving purposes between the wheel and the shaft, a circular saw, said saw being rigidly mounted on the lower end of the said shaft, a pair of substantially triangular shaped guide plates, said guide plates being supported by said frame and being spaced apart to form a throat therebetween and the base of the triangular shaped guide plates being positioned immediately above the saw and the saw spanning the width of the throat, the upper and rear portion of said guide plates curving rearwardly and outwardly from the pulleyed wheel of the machine, and one of said guide plates having outwardly and downwardly curving fingers carried thereon to guide and lay the cut crop on the ground.

2,497,846
LURE
Frederick S. Burroughs, Sparta, N. J., assignor to F. S. Burroughs Co., Inc., Dover, N. J., a corporation of New Jersey
Application March 6, 1948, Serial No. 13,359
3 Claims. (Cl. 43—42.06)



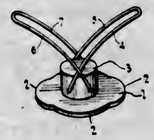
1. A fishing lure which comprises a buoyant body having a chamber lying completely at one side of a vertical line passing through the center of buoyancy of the body, said chamber having an access and gas discharge opening at one end of the lure, the chamber being adapted to be submerged with the opening below the level of the top of the chamber when the body initially is floated, said chamber being adapted to contain a substance capable of emitting gas upon contact with water entering the chamber when the body is floated, said opening being completely below the top surface of the lure and of such size that it can emit at one discharge sufficient gas to cause a sudden shift vertically in the position of the end of the lure having said opening and the return of the lure to its initial floating position, means for attaching a line to said body, and hooks attached to the body in a position to depend therefrom.

2,497,847
FILM PRESSER HAVING A CENTRAL PROJECTING PLANE PORTION FOR MOVING PICTURE CAMERAS
André Clément Coutant and Jacques Mathot, Paris, France
Application December 15, 1948, Serial No. 65,324
In France December 20, 1947
3 Claims. (Cl. 88—17)



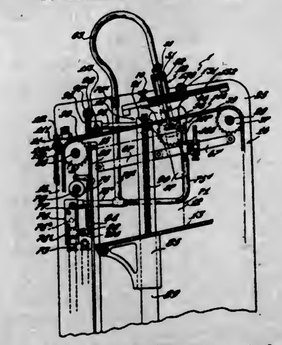
1. A resilient presser for a motion picture camera having a shooting gate, comprising a presser plate, a casing, springs resting on the casing to urge said presser plate toward the shooting gate, said presser plate having a front face portion which is larger in size than said gate, and a central projecting plane portion which is smaller in size than said gate and faces said gate, and side distance pieces on the front face of the said presser plate resting on the side of the gate to press the edges of the film against the gate and limit the thrust exerted by said springs upon the presser plate.

2,497,848
HAIR CURLING DEVICE
Margaret F. Currie, Manhasset, N. Y.
Application July 21, 1947, Serial No. 762,427
5 Claims. (Cl. 132—40)



1. A hair curling device comprising a base, a column having a continuous cylindrical surface extending upwardly from said base for a substantial distance and adapted to support hair wound thereabout, and hair-retaining means comprising narrow pliable non-resilient members attached to the device and bendable over the hair wound on the column, said means overlying a minor portion only of the area of the hair being treated.

2,497,849
SHEET FEEDING MACHINE
Roy Aberle, Portland, Maine, assignor to Southworth Machine Company, Portland, Maine, a corporation of Maine
Application April 25, 1945, Serial No. 590,225
19 Claims. (Cl. 271—12)



1. In a sheet-feeding machine of the type including an endless conveyor having open and relatively closed portions, sheet picker mechanism movable in a cycle through an open portion of the conveyor to pick up the trailing edge portion of the top sheet of a stack and hold said edge portion above the conveyor until after a closed portion of the conveyor has intervened between said sheet and the stack, the combination of a mounting for the picker mechanism adjustable lengthwise of the travel of the conveyor past the picker mechanism, permitting the picker mechanism to act on the trailing edge portions of sheets of various lengths stacked with their leading edges in a predetermined position driving mechanism for the picker mechanism arranged to cause the time of start of such cycle

of movement of the picker mechanism to be dependent upon the position of lengthwise adjustment of the mounting for the picker mechanism, and means for causing the picker mechanism to release the sheet when the endless conveyor reaches a predetermined position regardless of the position of lengthwise adjustment of the mounting for the picker mechanism so that in feeding from stacks of different sheet lengths the picker mechanism is adapted to release the sheets to the conveyor with their leading edges in substantially the same position on the conveyor regardless of the length of the sheet.

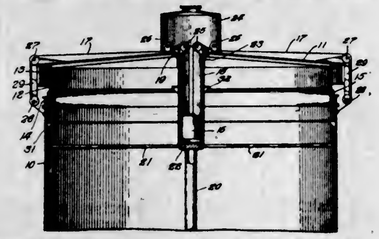
2,497,850
SEAL FOR FLOATING ROOF TANKS
John W. Allen, Chicago, Ill., assignor to Chicago Bridge & Iron Company
Application August 6, 1945, Serial No. 609,049
6 Claims. (Cl. 220—85)



1. A seal for a floating roof tank or the like comprising a flexible substantially liquid-impervious cylindrical curtain extending around the tank, said curtain having one peripheral edge secured to the floating roof and having the other edge secured to the side of the tank to form a trough therebetween at all positions of the roof, the length of the curtain between its edges being substantially equal to twice the minimum depth of the desired trough plus one half of the vertical travel of the roof within the tank plus the distance between the point of attachment of the curtain to the tank and the midpoint of the roof travel within the tank and a weight located at the bottom of the trough and freely movable relative to said curtain with vertical movement of the roof.

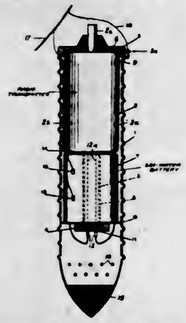
2,497,851
LIFTER ROOF STORAGE TANK
John W. Allen, Chicago, Ill., assignor to Chicago Bridge & Iron Company
Application September 13, 1945, Serial No. 615,943
11 Claims. (Cl. 48—176)

1. A storage tank comprising an outer shell, a lifter roof raised and lowered within the circumference of the shell wall by the pressure of the gas within the tank, an annular seal comprising a fabric impregnated with an impervious flexible material having one edge attached to the edge of the roof and having its other edge attached to the shell along a substantially horizontal line around the interior of the shell near the top thereof, the width of said seal between its edges being greater than the distance between the edge of the roof and said line in all positions of the roof whereby the seal is at all times bowed upward by pressure of the contents of the tank, and a counterweight vertically movable in a stationary well at the center of the tank and attached



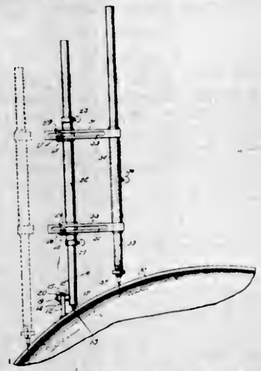
through a cable means to the shell, said cable means including at least two cables, with each cable extending around a plurality of sheaves and passing under at least one sheave attached to the roof, and a flexible seat between the roof and the well.

2,497,852
TRANSMITTER BUOY
Gilbert H. Arenstein, Dayton, Ohio
Application March 1, 1945, Serial No. 580,458
3 Claims. (Cl. 9—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A transmitter buoy for being dropped into the water by parachute comprising, a perforated cylindrical casing having a weighted lower end and a circular opening internally shouldered upper end, an air tight cylinder containing a radio transmitting mechanism slidable within said cylindrical casing through said circular opening internally shouldered upper end, said cylinder having an outwardly projecting shoulder at its upper end and a depending tubular extension terminating in an outwardly extending flange for limiting the relative inward and outward movement of said cylinder with respect to said cylindrical casing by engagement of the shoulders and flange, a sea-water activated battery removably mounted on said depending extension having leads sealingly passing through said cylinder to connect said transmitter, a snap hook operative by a rip cord connecting the outwardly projecting shoulder of said cylinder and the cylindrical casing to releasably retain said cylinder in said cylindrical casing in said inward limit of movement, and tear patches on said sea-water activated battery attached to a second rip cord, said two rip cords adapted to be connected to a parachute load cord whereby upon the buoy being dropped by parachute the snap hook would be actuated to release said cylindrical casing and said cylinder to slide to their outward limit and said tear patches would be ripped off to condition said battery to be activated by water for energization of said transmitting mechanism.

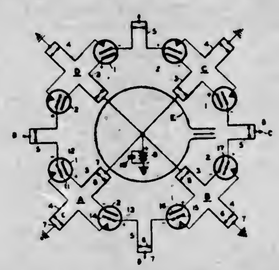
2,497,853
APPARATUS FOR PROJECTING CIRCULAR MARKINGS UPON NONPLANAR SURFACES
Joseph G. Arnold, Chicago, Ill., and William C. Piggott, Port Arthur, Tex., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application June 12, 1944, Serial No. 539,980
1 Claim. (Cl. 33—21)



Apparatus for determining an opening in a work surface in the shape of a non-circular projection of a predetermined circle comprising: a control arm, means secured to said control arm adapted to be welded to said work surface for rigidly securing the control arm to the surface in a predetermined angular position over a point on said surface at the center of said circle, a marking arm, a first tubular member slidably and rotatably mounted on said control arm, stop means on said control arm to limit the slidable movement of said member, a second tubular member slidably mounted on said marking arm and rotatable relative thereto, a pair of adjustable arms secured to said members for radially spacing the marking arm varying predetermined distances from the control arm whereby said marking arm is rotatable about said control arm and is slidable in said second tubular member in a direction axially of said control arm while in marking contact with said surface.

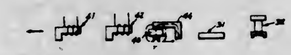
2,497,854
ULTRA HIGH FREQUENCY RING OSCILLATOR
Melvin D. Baller, Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War
Application February 25, 1943, Serial No. 477,103
13 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. An ultra high frequency oscillator network comprising at least three circuits connected together in ring fashion, each of said circuits including a pair of electron tubes having at least cathode, anode, and grid electrodes, half wave concentric transmission lines in each cathode circuit, each line having inner and outer conductors, one end of each inner conductor being connected to the cathode, the corresponding ends of the outer conductors of all concentric lines being rigidly connected together, the other ends of the inner and outer conductors of all concentric lines being connected together, quarter wave lecher lines connecting the anodes of each pair of tubes, a quarter wave lecher line connecting the grid of one tube of each pair of tubes to a grid of a sec-



ond pair of tubes, a second quarter wave lecher line connecting the grid of the second tube of each pair to a grid of a third pair of tubes, a separate connection from the electrical center of each of said plate lecher lines to a source of plate potential, a separate connection from the electrical center of each grid lecher line to a source of grid potential, adjustable shorting bars on all said lecher lines, and a single output loop electromagnetically coupled to the shorting bars of all the plate lecher lines, said output loop forming part of an adjustable half wave transmission line.

2,497,855
FLAW DETECTING METHOD AND APPARATUS FOR FERROMAGNETIC BODIES
Walter C. Barnes, Lake Bluff, Henry W. Keevil, Evanston, and John C. Dionne, Chicago, Ill.
Application January 17, 1944, Serial No. 518,538
22 Claims. (Cl. 175—183)



15. In the art of detecting flaws in ferromagnetic bodies by residual magnetism, a method of magnetically conditioning a body for flaw detection including the steps of subjecting the body to a varying longitudinal magnetic flux having at least two high intensity periods with an intervening low intensity period to create an initial pattern of residual magnetism, moving along the body a magnetic field of a pattern and strength to substantially reduce external longitudinal magnetic indications of surface and near-surface fissure and non-fissure defects without substantially reducing relatively deep-seated residual magnetism in the body, and redistributing the relatively deep-seated longitudinal residual magnetism of the body towards the surface to produce a final pattern of residual magnetism with accentuated indications of fissure defects.

16. In apparatus for progressively detecting flaws in elongated ferromagnetic bodies, means to condition an elongated body with residual mag-

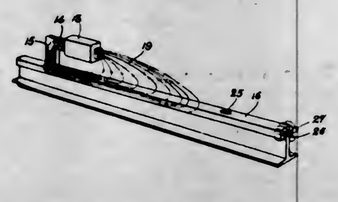
netism in advance of the detecting operation, said means comprising, in combination, magnetizing means movable longitudinally relative to said body to bring the body to a state in which longitudinal residual flux exists in longitudinal zones of the body substantially removed from a given surface of the body and relatively little polarizing longitudinal residual flux exists in a longitudinal zone immediately adjacent said surface, and a ferromagnetic mass having a flat area of substantial longitudinal dimension positioned adjacent to the body, and movable longitudinally relative to said body along said surface after said state is established, to draw sufficient longitudinal residual flux from said removed zones to said adjacent zone to polarize defects in said adjacent zone.

2,497,856

APPARATUS AND METHOD FOR DETECTING FLAWS IN MAGNETIZABLE BODIES

Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Evanston, Ill.

Application July 21, 1945, Serial No. 606,340
25 Claims. (Cl. 175—183)



1. In apparatus for detecting flaws in rail, the combination of a rail to be tested, a car adapted to move forwardly on said rail, a magnet mounted on the car for sending a strong magnetic flux longitudinally through the rail and including a core lengthwise to the rail, and a pole piece on the core directing the magnetic flux to the side of the rail head, and shaped to prevent concentration of flux through the top surface of the rail head, said pole piece being positioned with respect to the rail so that the mean air gap between said pole piece and a side surface of the rail is less than the mean air gap between said pole piece and the running surface of the rail.

8. The method of testing rail for flaws which includes bringing successive portions of the rail into a magnetic circuit with a field of force entering the rail from the side of the head and extending lengthwise to it, and with only a minor part of the field entering the rail through the top surface thereof, and then testing the portions of the rail thus magnetized for traces of residual magnetism.

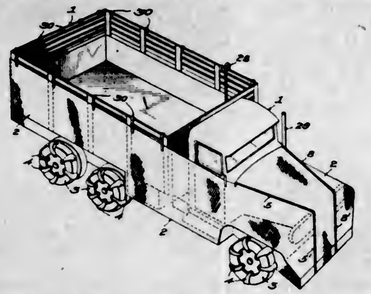
2,497,857

AMPHIBIOUS EQUIPMENT FOR VEHICLES

Albert H. Benson, Hopewell, N. J.

Application January 27, 1947, Serial No. 724,691
21 Claims. (Cl. 115—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a vehicle having land traction members, apparatus converting said vehicle to an amphibious vehicle when attached thereto, said apparatus comprising a readily attachable and detachable form-fitting, flexible, water-repellent slip cover having bottom and upper portions, said slip cover attachably sealingly encasing the lower part of the body including the underside thereof and substantially all of the hood and chassis of said vehicle, excluding said land traction members thereof, said land traction members being outside of said slip cover.

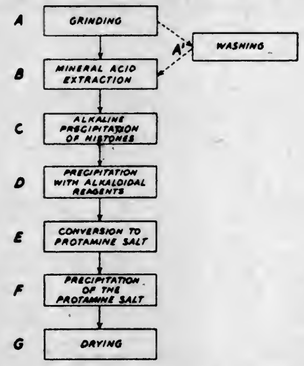


2,497,858

PROCESS FOR PREPARING PROTAMINES

Richard J. Block, Scarsdale, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey

Application February 10, 1948, Serial No. 7,448
11 Claims. (Cl. 260—112)



1. In a process for obtaining protamines from fish milt, the steps comprising extracting fish milt with dilute acid, adding an alkaline reagent to the extract to precipitate substances other than protamines, recovering the filtrate, and adding an alkaloid reagent to the filtrate to convert the protamine to a salt thereof.

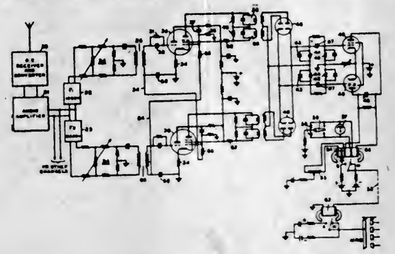
2,497,859

FREQUENCY DIVERSITY TELEGRAPH SYSTEM

John E. Boughtwood, Brooklyn, N. Y., and Alfred E. Michon, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application November 19, 1947, Serial No. 786,910
11 Claims. (Cl. 250—6)

1. A frequency diversity telegraph signaling system comprising a transmitting device for producing marking and spacing signals representative of each character or other item of information to be transmitted, a first subchannel comprising means responsive to said signals for generating a marking frequency and a spacing frequency lying within a first frequency band, at least one other subchannel comprising means responsive to said signals for generating a marking frequency and a spacing frequency lying within another frequency band, means for selecting the first order side band while substantially suppressing higher order side bands and sending the marking and spacing frequencies respectively of the different bands simultaneously over said subchannels, said subchannels having substantially



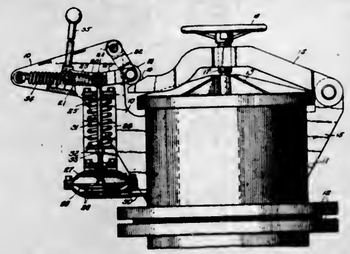
the same amplitude, a receiving circuit comprising a plurality of paths, means for selecting the different frequency bands of the subchannels respectively into said paths, means in each path for translating the signaling frequencies in that path into unidirectional signal currents, and means comprising a differential circuit responsive to said translated signal currents in said plurality of paths for producing marking and spacing signals corresponding to the signals produced by said transmitting device.

2,497,860

PRESSURE RELIEF VALVE

Richard A. Brown, Eureka, Calif., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application October 3, 1945, Serial No. 619,991
12 Claims. (Cl. 137—53)



1. A pressure relief vent for a storage tank or the like comprising a casing having an opening, a movable cover structure for closing said opening, means normally holding the cover shut including lever means fulcrumed at one end to a fixed support and at the other end to a movable support with this latter end pressing against the cover structure, and releasing means communicating with the interior of the casing for moving the movable end of the lever means out of contact with the cover structure when the pressure within the casing reaches a predetermined value, said releasing means including a member actuated by pressure within the casing to disengage the movable end of the lever means from the cover structure by shortening the effective length of said lever.

2,497,861

MECHANISM FOR BEDDING A FIREARM BARREL IN A STOCK

Edwards Brown, Jr., Washington, D. C.

Application September 19, 1947, Serial No. 775,104
4 Claims. (Cl. 42—75)



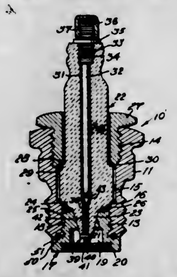
1. A device for bedding a firearm barrel in a stock, said stock being formed with a pair of upwardly-directed laterally-spaced holes therethrough, a pair of supports for said barrel, stock-carried means mounting said supports for movement through said holes, an annular member encircling said barrel, said stock and said stock-carried means being formed with aligned apertures therethrough intermediate said holes, a depending stem on said annular member extending through the aligned apertures and normally in spaced relation with respect to the latter, means engageable with said stock and stem for moving said member to clamp said barrel onto said supports, said annular member being formed with laterally-spaced holes for the passage of said supports therethrough.

2,497,862

SPARK PLUG FOR CONTROLLING HEAT RANGES

Nicholas Chuy, Detroit, Mich., assignor to Herbnick Manufacturing and Engineering Co., Inc., Detroit, Mich.

Application June 18, 1948, Serial No. 33,687
2 Claims. (Cl. 123—169)

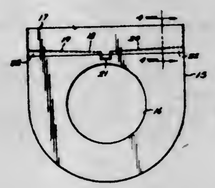


1. A spark plug comprising a shell having a bore extending longitudinally therethrough, an insulator demountably disposed in said bore and sized to fit loosely therein, means to demountably support said insulator in said shell and for positioning the insulator in axial alignment with the shell and for sealing the space between the shell and insulator, an anode demountably supported in the insulator and projecting from the lower end thereof, a cathode demountably supported by a portion of said means beneath and adjacent said anode, said means including a bushing having a heat chamber into which said anode projects, said heat chamber having an enlarged outwardly opening end provided with an outwardly tapered annular wall, said cathode being disposed in the enlarged portion of said heat chamber, and a split retaining ring for detachably engaging said annular tapered wall for demountably supporting the cathode in the heat chamber.

2,497,863
METHOD OF CONCENTRATING FLUORSPAR ORES
Julius Bruce Clemmer, Tucson, Ariz., and Ballard H. Clemmons, Tuscaloosa, Ala., assignors to the United States of America as represented by the Secretary of the Interior
No Drawing. Application March 21, 1946, Serial No. 656,122
5 Claims. (Cl. 209—166)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A process of concentrating fluorspar by froth flotation of pulps containing fluorspar values, which comprises subjecting such a pulp to froth-flotation treatment at a pulp pH of about pH 7 to pH 10 in the presence of a soluble inorganic fluoride, at least one processed starch product selected from the group consisting of gelatinized starch, and dextrinized starch, and in the concurrent presence of at least one collecting agent selected from the group consisting of higher fatty acids and soaps, whereby the fluorspar values are floated and recovered in the froth.

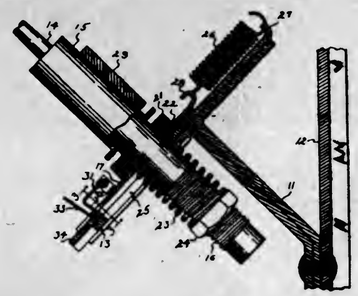
2,497,864
GREASE-WELL JOURNAL BOX DUST GUARD
Sam William Clutton, Great Falls, Mont.
Application January 23, 1948, Serial No. 3,877
2 Claims. (Cl. 286—6)



1. A dust guard or protector for railway journal boxes, which is adapted to be inserted in slots in a journal box, comprising a body portion constructed of five-ply crossgrained material which is provided with an axle opening in the center thereof, a reservoir on the upper edge of said body to receive a lubricant, a spout to said reservoir overlying the axle opening which will feed the lubricant outwardly of the reservoir when said lubricant is effected by a rise in temperature, and bottom of the reservoir being provided with two downwardly inclined portions terminating at the spout, and the spout being inset with relation to the plane surface of the body.

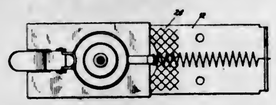
2,497,865
LATCH MECHANISM FOR TEXTILE SPINDLES
John Kermit Cochran, Conyngham, Pa., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 1,974
10 Claims. (Cl. 57—89)

1. Apparatus for spinning and twisting textile yarns comprising a rotatable spindle, an unbalanced package carrier mounted thereon, said package carrier adapted to be stationary while said spindle rotates, a mounting for said spindle comprising a base member resiliently mounted for slidable movement on a support, said spindle being resiliently mounted on said base member and



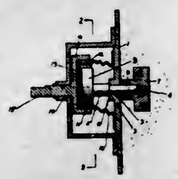
a latch mechanism to retain said spindle in non-rotating position.

2,497,866
TEXTILE SPINDLE SLIDE MOUNTING
John K. Cochran, Conyngham, Pa., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application July 23, 1948, Serial No. 40,202
3 Claims. (Cl. 57—89)



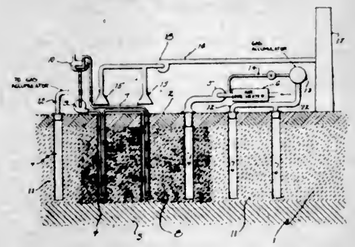
1. Apparatus for spinning and twisting textile yarns comprising a support for a spindle slidably mounted on a fixed lateral support, the bearing surface of one of said supports having a plurality of grooved depressions formed therein and continually open marginally beyond the slidably contacting surface portions in one direction.

2,497,867
MOISTUREPROOF CONSTRUCTION FOR SHAFTS
Thomas Cymmer, Jersey City, N. J.
Application July 9, 1945, Serial No. 603,995
1 Claim. (Cl. 286—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



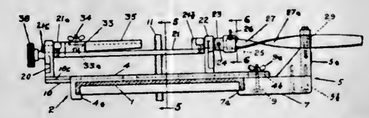
A moistureproof device for transmitting rotary motion through a barrier comprising a rotatable shaft projecting through said barrier, a circular member eccentrically mounted on said shaft, a metal bellows positioned over said member for being secured to said barrier, a wearing socket secured to the inside of said bellows and fitting over said member, a wearing cap positioned over said wearing socket and said bellows and secured to said bellows, a second shaft outside said bellows aligned with said first shaft, a circular cup-shaped member eccentrically mounted on said second shaft and fitting over said wearing cap, whereby rotation of one shaft causes rotation of the other.

2,497,868
UNDERGROUND EXPLOITATION OF FUEL DEPOSITS
David Dalin, Sodertalje, Sweden
Application October 10, 1946, Serial No. 702,533
8 Claims. (Cl. 262—1)



1. The method of degassing and burning a subterranean fuel deposit which comprises the steps of: drilling a plurality of spaced apart holes into the fuel deposit from the surface of the earth; igniting the fuel deposit at one point; forcing combustion supporting fluid into the fuel deposit through at least one of the holes in order to sustain combustion of the fuel deposit; inserting tubes into the holes in the area of combustion; circulating a cooling medium through said tubes to thereby regulate the heat of combustion of the burning fuel bed to keep it below the sintering point of the fuel; and collecting from the mouths of holes in a zone adjacent to the combustion area the distillation products released by the heat of combustion.

2,497,869
BAND SAW ATTACHMENT FOR PRODUCING PROPELLER BLANKS
Henry Brent Daniel, Takoma Park, Md.
Application November 6, 1944, Serial No. 562,226
2 Claims. (Cl. 144—145)



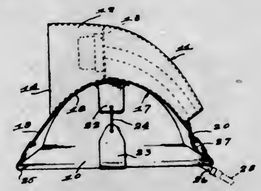
1. Apparatus for sawing aeroplane propeller blanks comprising in combination with a band-saw including a driven band-saw and a work supporting table, a two-part clamp attachable to said work supporting table on opposite sides of said band-saw, said clamp including a pair of guide rails, a slide extending on opposite sides of said band-saw and confined by said guide rails for reciprocative movement toward and away from the band-saw in a plane substantially normal to the plane of said band-saw, supports carried by said slide, a tilting substantially flat plane-like table pivotally mounted in said supports, a templet in the form of a spirally twisted strip member coupled to said tilting table and extending through a portion of said two-part clamp for imparting angular movement to said tilting table as said slide advances toward the band-saw and means for clamping material to be sawed on said tilting table whereby shaped blanks may be severed from said material having an axial twist simulating an aeroplane propeller.

2,497,870
CONTAINER CLOSURE
Stanley W. Dennis, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application January 22, 1947, Serial No. 723,630
5 Claims. (Cl. 215—39)



1. A container closure formed from a sheet of ductile material, comprising a substantially flat top having a circular marginal portion merging directly into a downwardly rounded, gently curved upper skirt portion, a lower skirt portion of greater diameter than the upper skirt portion, a circumferentially continuous offset shoulder connecting the upper and lower skirt portions and an outwardly extending, corrugated locking flange at the lower end of the lower skirt portion, the inner diameter of the lower portion being substantially equal to the outer diameter of the upper portion, whereby the nesting of a plurality of closures in a stack is controlled, with the lower edge of the skirt of one closure relatively snugly encircling the upper skirt portion of the closure therebelow and seated upon the shoulder of the latter.

2,497,871
HELMET MOUNTED LOUD-SPEAKER
George H. Eash, Toledo, Ohio
Application February 21, 1947, Serial No. 730,159
1 Claim. (Cl. 179—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



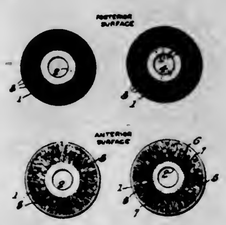
A device of the type described, comprising a helmet having a dome and a brim extending therearound, an exponential horn disposed on the top of said dome, said horn having a relatively small rear end, a relatively large open front end, and curvilinear top, bottom and side walls, the curvature of said bottom wall conforming substantially with said dome so as to nest thereon, an electrical sound transmitter in said horn for feeding sound impulses to the rear end thereof, means for detachably securing the front and rear edges of the bottom wall of said horn to said brim at the front and rear of said helmet, respectively, and means for detachably securing intermediate portions of said bottom wall along the side edges thereof to said brim at the sides of said helmet.

2,497,872
ARTIFICIAL EYE
Stanley F. Erpf, United States Army, Victor H. Dietz, United States Army, and Milton S. Wirtz, United States Army, Phoenixville, Pa.
Application November 8, 1944, Serial No. 562,538
11 Claims. (Cl. 3—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



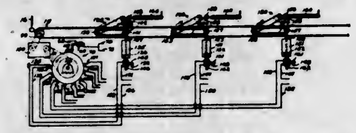
10. An article of manufacture consisting of an iris and pupil button for artificial eyes comprising a unitary bonded element including a cornea portion of transparent resinous material and an iris and pupil portion disposed beneath the cornea portion and adjacent the rear of the button, said iris and pupil portion comprising a transparent sheet member having a heavy pigmented coating on its posterior surface and a light pigmented coating on its anterior surface adapted to permit visual perception of said heavy pigmented surface through the anterior surface of said sheet member, and a pupillary member underlying said sheet member.

2,497,873
ARTIFICIAL EYE
Stanley F. Erpf, San Francisco, Calif.
Original application November 8, 1944, Serial No. 562,538. Divided and this application March 19, 1947, Serial No. 735,588
6 Claims. (Cl. 3—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



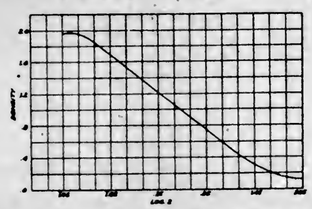
5. An artificial eye comprising an eyeball formed of a synthetic resinous material, an iris incorporated therein comprising a transparent sheet member having a heavy pigmented coating on the posterior surface thereof and a light pigmented coating on the anterior surface thereof adapted to permit visual perception of said heavy pigmented coating through the anterior surface of said sheet member, and a pupillary member incorporated in said eyeball.

2,497,874
MECHANICAL TIME DELAY MECHANISM
Harold R. Evans, Olympia, and Dale L. Schubert, Tacoma, Wash., assignors to Plywood Research Foundation, Tacoma, Wash., a nonprofit corporation of Washington
Application August 25, 1947, Serial No. 770,540
15 Claims. (Cl. 214—11)



1. A device of the class described comprising a driven endless track means; a plurality of lugs frictionally engaging said track means; selectively operable stop means normally in the path of travel of said lugs on said track means and mounted for selective movement out of the path of any of said lugs; and sorter control means operable by each of said lugs and disposed in predetermined spaced relation on said track means and in the path of travel of lugs on said track means, whereby the action of the sorter control means is in delayed synchronous relation with the operation of the selectively operable stop means.

2,497,875
DIRECT POSITIVE PHOTOGRAPHS USING AERIAL FOGGING DEVELOPER
George Earle Fallesen, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 17, 1947, Serial No. 780,405
3 Claims. (Cl. 95—5)



1. The method of obtaining a direct positive image in a silver halide emulsion layer, which comprises exposing to light rays to which the emulsion is sensitive, a silver halide emulsion layer a test portion of which upon exposure to a light intensity scale for a fixed time between $^1/_{100}$ and 1 second and development for 3 minutes at 20° C. in the following internal type developer:

	Grams
Hydroquinone	15
Monomethyl-p-aminophenol sulfate	15
Anhydrous sodium sulfite	50
Potassium bromide	10
Sodium hydroxide	25
Sodium thiosulfate	20

gives a maximum density at least 5 times the maximum density obtained when the equally exposed silver halide emulsion is developed for 4 minutes at 20° C. in the following surface developer (I):

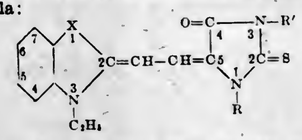
	Grams
p-Hydroxyphenylglycine	10
Sodium carbonate	100

Water to 1 liter

and developing only the unexposed portion of said emulsion layer in an aerial fogging developer with access of oxygen.

2,497,876
METHOD OF PRODUCING DIRECT POSITIVE PHOTOGRAPHIC IMAGES
George Earle Fallesen and John Spence, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 13, 1948, Serial No. 44,215
6 Claims. (Cl. 95—88)

1. The method of obtaining a direct positive image in a silver halide emulsion layer, which comprises exposing to light rays to which the emulsion is sensitive, a silver halide emulsion layer containing an acid dye having the general formula:



in which X is selected from the class consisting of oxygen and sulfur, R is selected from the class consisting of carboxymethyl and carboxyphenyl, R′ is selected from the class consisting of alkyl and phenyl, and at least one of the free positions of the azole nucleus contains a substituent selected from the class consisting of hydrogen, methyl, methoxy, hydroxy, chloro, carbethoxy, fused-on benzene ring in the 4,5-position, and fused-on benzene ring in the 6,7-position, a test portion of which layer upon exposure to a light intensity scale for a fixed time between $^1/_{100}$ and 1 second and development for 3 minutes at 20° C., in the following internal type developer:

Hydroquinone	grams	15
Monomethyl-p-aminophenol sulfate	do	15
Sodium sulfite (anhydrous)	do	50
Potassium bromide	do	10
Sodium hydroxide	do	25
Sodium thiosulfate (crystals)	do	20
Water to	liters	1

Development time, 3 min. at 20° C.

gives a maximum density at least 5 times the maximum density obtained when the equally exposed silver halide emulsion is developed for 4 minutes at 20° C. in the following surface developer:

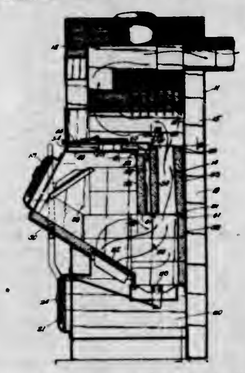
p-Hydroxyphenylglycine	grams	10
Sodium carbonate (crystals)	do	100
Water to	liters	1

Development time, 4 min. at 20° C.

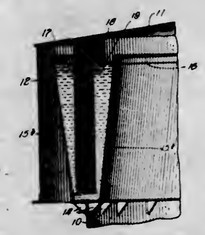
and developing the unexposed portion of said emulsion layer in a developing solution which produces aerial fog.

2,497,877
REFRACTORY ELEMENT FOR DOWNDRAFT FURNACES
Julian Robert Fellows, Urbana, Ill., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill.
Application October 7, 1944, Serial No. 557,570
6 Claims. (Cl. 126—77)

2. A down-draft furnace having interior walls including a bottom grate defining a firebox, a roof at the top of the firebox, an air inlet through the bottom of the firebox, a secondary air inlet in the roof of the firebox communicating with the atmosphere, a removable ceramic element disposed in the upper rear portion of the firebox and having a passageway at the front of the element open at the bottom and communicating at the top with the secondary air inlet to define a secondary air passageway and having a second passageway behind the secondary air passageway open at top and bottom to define a combustion chamber, said ceramic element thereby providing a coking zone in the firebox in front of said element, a coke-burning zone in the firebox below the element, and a combustion chamber and a secondary air passageway within the element, said interior walls of the firebox including a rear wall, a stop member contiguous to said rear wall, said element including a rear wall portion resting upon said stop member by gravity, and fixed means in the roof of the firebox adjacent the secondary air inlet supporting said element against forward rotational movement.

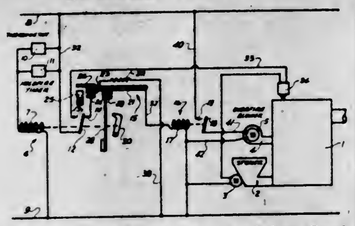


2,497,878
SEALING AND LEVELING MEANS FOR LIFTER ROOF TANKS
Edward S. Fraser, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application May 31, 1946, Serial No. 673,676
8 Claims. (Cl. 48—176)



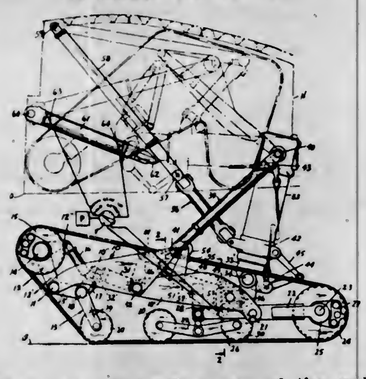
1. In a lifter roof tank comprising a shell and a lifter roof thereover, sealing and leveling means comprising an annular trough of substantial depth at the top of the shell and adapted to contain a sealing liquid, an annular depending hollow airtight compartment attached to the roof and extending into the trough whereby the liquid substantially fills the trough when the roof is in its lowest position and buoys up the depending compartment which is immersed therein.

2,497,879
OVERFIRE AIR BLOWER CONTROL FOR STOKER SUPPLIED FURNACES
Paul G. Frerer, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1944, Serial No. 549,225
10 Claims. (Cl. 110—72)



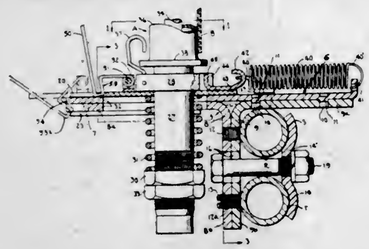
1. In a control system for a stoker fired furnace having an over-fire blower, means for starting and stopping the stoker, means for starting and stopping the blower, said last mentioned means including time controlled means energized by the stopping of the stoker to operate the overfire blower for a predetermined period after cessation of stoker operation and to stop the overfire blower at the expiration of said period.

2,497,880
RETRACTABLE LANDING GEAR
Alfred A. Gassner, New York, N. Y., assignor to Fairchild Engine and Airplane Corporation, a corporation of Maryland
Application August 23, 1948, Serial No. 45,597
20 Claims. (Cl. 244—102)



20. In aircraft landing gear of the endless track type having a longitudinal frame, front and rear wheels carried thereby and an endless belt encircling said wheels, the combination of a strut extending downwardly from the aircraft and comprising a cylinder member and a piston member, a pivot connecting the upper strut member to the aircraft, a tension member extending between the strut members and angularly offset at one end from the axis of said strut, a second pivot connecting said frame to the lower strut member, hinge means dividing said frame transversely into aligned front and rear portions, motive means for swinging said front frame portion upwardly and rearwardly about said hinge means to at least partially fold said front frame portion, the corresponding wheel and the corresponding belt section upon the rear frame portion and its appurtenant wheel and belt section, and second motive means interposed between said strut and the aircraft for swinging the strut and gear upwardly to retracted position and simultaneously changing the angular relation between said tension member and strut to exert a toggle effect and retract the lower strut member to thereby shorten the strut.

2,497,881
TEXTILE SPINDLE MOUNTING
Herbert Gleitz, Euclid, and Charles E. Miller, East Cleveland, Ohio, assignors to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 29, 1947, Serial No. 738,022
9 Claims. (Cl. 57—89)

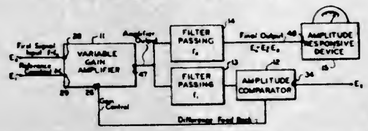


1. A mounting bracket device for a textile mill spindle assembly of the class described, said device comprising a substantially horizontal channel with downwardly turned flanges, a slide member guided for horizontal movement on the channel partly by said flanges, said slide member being arranged to support the spindle assembly for movement toward and away from a spindle-driving means, a substantially vertical leg rigid with the horizontal channel, means cooperating with the leg to secure the bracket device to a spindle rail, and leveling screw means carried by the channel web for pressure contact with top surface portions of such spindle rail.

2,497,882
REFINED ROSIN PRODUCTS AND PROCESSES
Burt L. Hampton, Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 23, 1946, Serial No. 649,775
9 Claims. (Cl. 260—105)

1. The process of producing an improved rosin composition characterized by imparting an increased resistance to yellowing in soaps and sizes made therefrom, which process consists of heating a rosin material under non-oxidizing conditions with from 0.5% to 5% in sulfur equivalent of at least one catalytic material selected from the group consisting of sulfur, sulfur halides, alkali metal sulfides and alkali metal polysulfides, in the presence of a small percentage up to about 38% of the stoichiometric quantity of an alkali metal alkali required to neutralize the rosin material, at a temperature between about 200° C. and 375° C. for a time sufficient to decrease the degree of unsaturation without aromatization of substantially more than one ring of the rosin material.

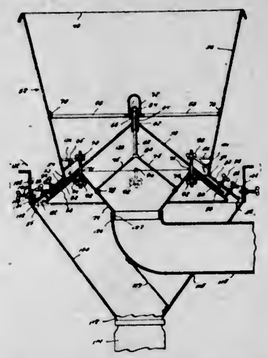
2,497,883
ELECTRONIC COMPUTER
Herbert Harris, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application January 28, 1943, Serial No. 474,052
14 Claims. (Cl. 235—61)



1. Product measuring apparatus, comprising a variable gain amplifier with a pair of input terminals, a gain control terminal and an output terminal, a pair of filters for passing first and second frequencies, respectively, a final output terminal, an amplitude comparator having a pair of input terminals and a difference output terminal and arranged to provide an output voltage varying as the difference of magnitudes of two input voltages, means for applying a reference voltage of constant amplitude at said first frequency to the first input terminal of the amplifier, means for applying a variable voltage representing one of two quantities to be multiplied at the second input terminal of the amplifier, said variable voltage having said second frequency, and means for applying a second variable voltage representing a second quantity to be multiplied at one of the terminals of the input amplitude comparator, the second frequency filter being interposed between the output terminal of the amplifier and the final output terminal of the apparatus, the first frequency filter being interposed between the output terminal of the amplifier and the remaining terminal of the amplitude comparator, and the difference voltage output terminal of the comparator being coupled to the gain control terminal of the amplifier for varying the gain of the amplifier in accordance with the difference of magnitudes of the voltages at the comparator input terminals.

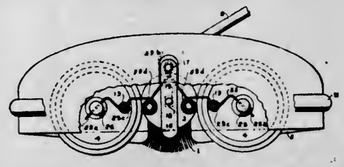
2,497,884
INCLINED CURRENT FLUID SUSPENSION ORE SEPARATOR
Benjamine F. Hearn, Jackson, Miss., assignor, by direct and mesne assignments, of twenty per cent to Rowe S. Crowder, Jackson, Miss., thirty-seven per cent to Harry J. Valentine, Sr., Phoenix, Ariz., and five per cent to Rufus Creekmore, Jackson, Miss.
Application May 17, 1946, Serial No. 670,443
2 Claims. (Cl. 209—137)

1. In an ore separator, including a receiving hopper having downwardly-converging sides terminating in an outwardly-flared frusto-conical skirt, a hollow cone including an apex disposed axially of said receiving hopper with base portions thereof underlying said skirt to provide a frusto-conical passage therebetween, a frusto-conical member underlying said base portions of said cone and providing a second frusto-conical passage therebetween, and means for creating upwardly-directed suction in said second passage; the improvement comprising a support, means mounting said support in said receiving hopper above said cone, said support being formed with a vertically-disposed aperture therethrough axially of said receiving hopper, said apex of said cone having an upwardly-extending sleeve slidable in said aperture, the upper end of said sleeve being exteriorly threaded, a hollow nut threadedly engaging said sleeve and bearing on said support to comprise means for adjusting said cone vertically to vary the size of said first passage, a rod slidable in said sleeve, means connecting said rod to said frusto-conical member, the upper



end of said rod being exteriorly threaded, a second nut threaded on said rod and bearing on the upper end of said sleeve inwardly of said hollow nut, and said rod and second nut comprising means for independently adjusting said frusto-conical member vertically to vary the size of said second passage.

2,497,885
CARPET SWEEPER
Paul Heftler, Chicago, Ill.
Application October 4, 1940, Serial No. 359,731
24 Claims. (Cl. 15—41)

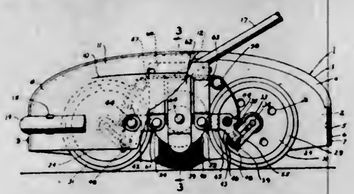


1. A carpet sweeper of the character described comprising a casing, floor wheels for the casing, floating axles for the floor wheels, a brush supported for rotation and for vertical shifting movement, and spring means at each end of the casing and having portions interconnected with and pressing downwardly on the brush, portions interconnected with and pressing inwardly and downwardly on the floor wheels, and portions intermediate the points of interconnection with the brush and the floor wheels fulcrumed on the casing whereby said spring means functions to transmit upward and downward movement of the floor wheels to the brush while reversing the direction of such movement.

2,497,886
CARPET SWEEPER
Paul Heftler, Chicago, Ill.
Application November 26, 1941, Serial No. 420,443
18 Claims. (Cl. 15—41)

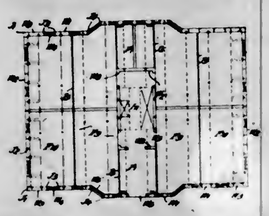
1. A carpet sweeper having a case, a handle pivoted on the case, a rotary brush in the case,

pivots on which the brush can rotate, friction pulleys on the ends of the brush, wheels that can roll on the floor or carpet and drive the brush through the friction pulleys, and high-low mechanisms for moving the brush pivots and the brush down with respect to the case when the wheels move up with respect to the case, there being only one connection between the high-low



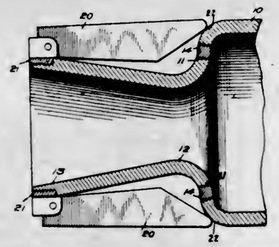
mechanism and each wheel, and each of these connections being constructed and arranged to press the wheel down and in towards the brush pulley at an angle of approximately forty-five degrees to the vertical so that the portion of the pressure transmitted by this connection and pressing the wheel against the brush pulley is great enough to prevent the floor wheel from slipping on the brush pulley.

2,497,887
PANELED BUILDING CONSTRUCTION
Meier George Hilpert, Bethlehem, Pa.
Application June 30, 1943, Serial No. 492,926
13 Claims. (Cl. 72—1)



5. A paneled building construction comprising, in combination, two opposed reinforced concrete wall structures and reinforced concrete floor-roof structures extending between and abutting said opposed wall structures, each wall structure comprising a plurality of substantially vertical reinforced concrete panels, each of said floor-roof structures, comprising a plurality of substantially horizontal reinforced concrete panels which are in staggered relationship with respect to the wall panels of both wall structures, each of said floor-roof panels abutting a pair of adjoining wall panels in both opposed walls, each of the wall panels containing two spaced metallic columns having bases adapted to rest upon a support to provide two-point bearing, said columns also having exposed portions facing inwardly toward the opposite wall structure at the floor-roof levels, the pairs of columns being positioned within each wall panel at approximately the first and third quarter-points of the width of the panel, each of the floor-roof panels comprising a pair of beams having longitudinally extending metallic elements with exposed ends, the opposite exposed ends of said two metallic elements respectively contacting the exposed portions of the adjacent columns of said pairs of adjoining panels of the opposed wall structures, means connecting said metallic columns and beam elements at said points of contact throughout the construction.

2,497,888
MEANS FOR PREVENTING EXCESSIVE COMBUSTION PRESSURE IN ROCKET MOTORS
Joseph O. Hirschfelder, Madison, Wis., assignor to the United States of America as represented by the Secretary of War
Application October 11, 1944, Serial No. 558,232
1 Claim. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a rocket component, a tubular casing forming a motor chamber, said casing having its rear wall portion turned radially inwardly and flared rearwardly and outwardly to form a smooth Venturi-like nozzle for the discharge of combustion gases generated in said chamber, there being a series of discharge ports through said radial wall portion whereby a portion of the gases generated in said chamber may pass directly to the ambient air, said holes being even in number and equally angularly spaced about the central longitudinal axis of said motor chamber, each said hole being slightly inclined rearwardly and outwardly, and individually operable means adapted to selectively close each said hole.

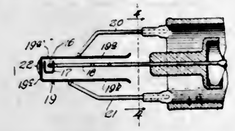
2,497,889
OXIDATION OF ETHERS USING ALDEHYDE-ACTIVATED CATALYSTS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 26, 1948, Serial No. 17,346
6 Claims. (Cl. 260—523)

1. A process for the direct oxidation of an organic compound containing an ether linkage having the graphic formula R—O—R′ wherein R and R′ each is a radical selected from the group consisting of the alkyl and aralkyl groups to the corresponding carboxylic acid which comprises treating a solution of a metal ion in a lower aliphatic acid with an aldehyde and a gaseous oxidizing medium to form a catalyst solution, simultaneously introducing material amounts of the ether-type compound and additional aldehyde into the solution, oxidizing the content of ether-type compound of the resulting solution of catalyst compound and aldehyde by treating the solution with gaseous oxidizing medium, maintaining the solution under temperature and pressure conditions during introduction of the oxidizing medium such that the solution is maintained in the liquid phase, and thereafter recovering the acid produced.

2,497,890
DRYING OILS
Peter Kass, Wilmington, Del., and Joseph Nichols, New York, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 8, 1947, Serial No. 746,860
5 Claims. (Cl. 260—398)

1. A process for improving the drying qualities of mixtures of tung oil with other drying oils which comprises refluxing the mixture with acetic anhydride at 160° to 180° C. and removing the acetic anhydride.

2,497,891
BETATRON INJECTOR STRUCTURE
Donald W. Kerst, Champaign, Ill., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill.
Application September 19, 1945, Serial No. 617,255
8 Claims. (Cl. 250—27.5)



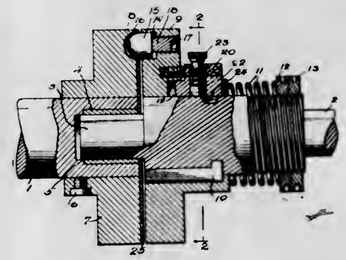
5. In an accelerator for charged particles having a closed vessel defining a chamber within which such particles may move in a closed path and said accelerator having means providing magnetic lines of force across said path for accelerating the particles, an injector structure including: apparatus within said vessel for emitting charged particles; and a shield member formed in a U-shape with its leg portions extending beyond said emitting means and extending generally radially of said closed path.

2,497,892
CAP
Adolph Klar, New York, N. Y.
Application March 7, 1946, Serial No. 652,593
1 Claim. (Cl. 2—68)



A bathing cap made of a one piece blank, said cap comprising a front edge substantially in the form of a portion of a circle, a back edge in the form of a straight line extending equidistant from the longitudinal center line of the cap, said back edge being shorter than the diameter of the circular portion of said front edge and constituting a segment thereof, said front edge having opposed side edges converging downwardly and inwardly to the ends of the back edge, the back edge of the cap consisting of said segment being folded and secured to said cap to form a tubular member, said front and side edges being shirred and a tie string secured thereto, the ends of said tie string being adapted to pass through said tubular member and tied when securing said cap to the head of the wearer in a substantially water-tight manner.

2,497,893
SYNCHRONIZED AND ADJUSTABLE SAFETY CLUTCH
John Linahan, United States Army, New York, N. Y.
Application September 19, 1944, Serial No. 554,832
12 Claims. (Cl. 192—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



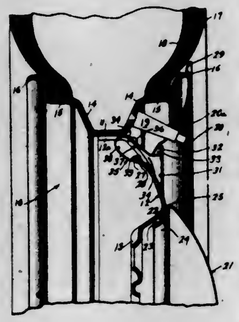
1. In combination, fixed and movable friction clutch members provided with coacting faces, a projection extending from the face of one of said members, the other member provided with a cooperating recess in its face, whereby cooperative engagement of the faces is permitted only when the clutch members have a predetermined angular relationship.

2,497,894
METHOD OF ELECTROPLATING FINE WIRE OF LOW ELASTIC LIMIT
Clare Luke, Berrien Springs, Mich., assignor to National-Standard Company, a corporation of Michigan
Application October 14, 1944, Serial No. 558,697
6 Claims. (Cl. 204—28)



1. The method which comprises withdrawing a metal wire having a cross-sectional area not substantially greater than 0.0004 square inch and an elastic limit of not substantially more than 20,000 lbs. per square inch from a let-off spool while maintaining the wire at a predetermined vertical position, passing the wire in catenary suspension of a depth not substantially exceeding one inch below said vertical position and at a speed of at least several hundred feet per minute to a rotating power driven take-up through the overflow meniscuses of at least one aqueous liquid bath, which is a metal plating bath, said wire being suspended between only two points and being free from contact with any solid body therebetween, supplying current to said wire during such passage through connections including only said bath and said take-up, while maintaining upon the wire a tension less than that required to stretch it beyond its elastic limit, and removing substantially all liquid from the wire at the exit of each bath.

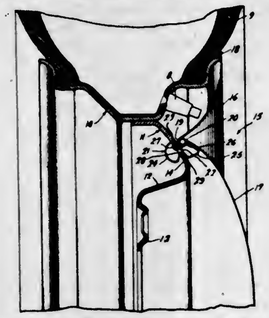
2,497,895
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Original application January 7, 1944, Serial No. 517,322. Divided and this application October 30, 1944, Serial No. 560,955
4 Claims. (Cl. 301—37)



1. In combination in a wheel structure, a flanged tire rim, a stamped metallic load bearing body portion concentrically secured within said rim, said body having annularly spaced openings and rigid cover retaining lips thereon projecting from said openings and spaced radially inwardly from said tire rim, and a cover comprising an annular resiliently flexible plastic member and a circular metallic member for engagement with said retaining lips and securing said plastic member on the wheel, said plastic member being dimensioned to lie in concealing relation to the tire rim and having a concave convex cross-sectional shape extending radially and axially inwardly over the tire rim in general simulation of an inward continuation of the side wall of a tire supported in said rim, said metallic member having a portion thereof in engagement with a substantial width of the axially outer side of the inner margin of the plastic member and extending axially inwardly and radially outwardly in retaining abutment with the inner edge of said plastic member for maintaining assembly therewith, said axially inwardly and radially outwardly turned portion of the metal member having a radially resilient structure yieldably engageable with said rigid retaining lips in snap-on, pry-off relationship, said axially inwardly and radially outwardly turned portion being readily accessible for engagement by a pry-off tool for releasing the cover assembly from said lips.

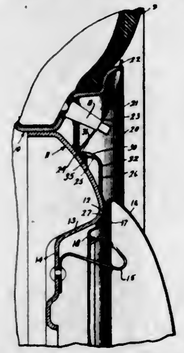
2,497,896
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application August 27, 1945, Serial No. 612,846
8 Claims. (Cl. 301—37)

1. In a wheel structure including a tire rim and a body part having a plurality of spaced apertures, a plurality of cover retaining spring clips, each including a body portion projecting into one of said apertures for a snap on engagement with an edge of the aperture and a looped portion having an inclined free extremity for yieldable and detachable engagement by an edge of a cover, said extremity also projecting into said aperture into tensioned engagement with



said body part to hold the clip body portion in engagement with said edge of the aperture.

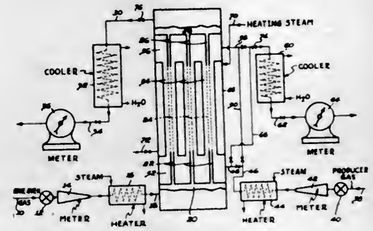
2,497,897
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application August 27, 1945, Serial No. 612,844
10 Claims. (Cl. 301—37)



1. As an article of manufacture a cover for a wheel, comprising a circular member having a generally axially extending annular portion made of resiliently pliable material normally deflectable without permanent deformation, an undulated circular wire on the under surface of said annular portion, and another part encircling the outer surface of said annular portion, said wire resiliently stressing said annular portion in a generally radial direction for attaching said portion to said other part, said other part of said cover comprising an annular bend seated on said annular portion with an edge tightly held on said portion by the stressing of spaced points of the portion by said wire into retaining engagement therewith.

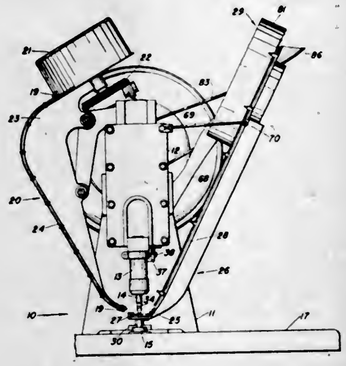
2,497,898
METHOD OF CHANGING THE COMPOSITION OF A COMBUSTIBLE GAS BY DIFFUSION
Gilbert V. McGurl, Newark, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application November 16, 1946, Serial No. 710,327
9 Claims. (Cl. 48—197)

1. A method of simultaneously changing the composition and specific gravity of coke oven gas and producer gas comprising: feeding coke oven gas as a stream along one side of a porous boundary, passing producer gas in a stream to sweep across the opposite side of the boundary and controlling the pressure differential and the rate



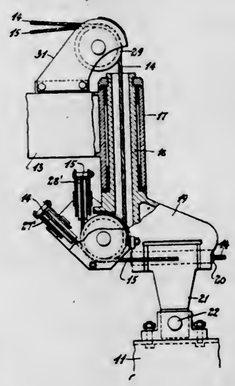
of flow of the gases on opposite sides of the boundary of a predetermined area to cause a movement of hydrogen by diffusion through the boundary to the producer gas and nitrogen and carbon monoxide to the coke oven gas so that the specific gravity of the coke oven gas will be increased in the range of 42 to 50%.

2,497,899
GROMMET SETTING MACHINE HAVING GROMMET FEEDING MECHANISM
Aubrey G. Monson, Bremerton, Wash.
Application July 31, 1946, Serial No. 687,499
3 Claims. (Cl. 218—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A washer feeding mechanism including, a support, conveyor means for discharging washers upon the support, a shuttle plate slidably mounted on the support, means for reciprocating said plate, spring-pressed jaws carried by said plate for engaging and gripping individual washers upon outward reciprocation of said plate, and coacting cam means mounted on said support and plate for actuating the jaws and arranged so as to permit opening of said jaws for alternately receiving the washer and releasing the same.

2,497,900
FAIRLEAD FOR SEMITRAILER SCRAPERS OR WAGONS
George W. Mork and Gottfried Reuter, South Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application December 3, 1945, Serial No. 632,290
13 Claims. (Cl. 254—190)



1. In a fairlead, the combination of: a first member; a second member swivelly connected thereto; and two trains of four sheaves each, each train having its sheaves lined up for the successive passage of a rope in the following order: a first longitudinal sheave, mounted on the first member and having its axis perpendicular to the swivel axis, a cross-over sheave mounted on the first member, a second longitudinal sheave, mounted in the first member and having its axis perpendicular to the swivel axis, and a third longitudinal sheave, mounted on the second member and having its axis perpendicular to the swivel axis; the four sheaves being so proportioned and relatively located that the cross-over sheave lies in a plane substantially tangent to the peripheries of the first and second longitudinal sheaves, and each of these two longitudinal sheaves lies in a plane substantially tangent to the periphery of the cross-over sheave, and the second and third longitudinal sheaves have a substantially common tangent in all relative positions of the two members.

2,497,901
MAGNETOSTRICTIVE TRANSMITTER
Edward E. Mott, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application August 18, 1944, Serial No. 549,970, now Patent No. 2,438,926, dated April 6, 1948. Divided and this application September 18, 1945, Serial No. 617,001
3 Claims. (Cl. 171—330)

1. A magnetostrictive device comprising an annular, radially vibratile core composed of a plurality of laminations of magnetostrictive material substantially no greater than 4 mils in thickness, and means mounting said core for free radial vibration.

3. A magnetostrictive device comprising an annular, radially vibratile core comprising a plu-

rality of turns of substantially 2-mil thick tape of an alloy of 49 per cent iron, 49 per cent cobalt



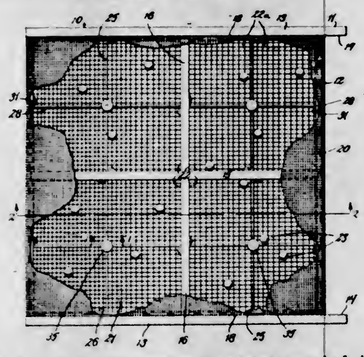
and 2 per cent vanadium, and means mounting said core for free radial vibration.

2,497,902

SCREEN CLEARER FOR GYRATORY SIFTERS

Howard H. Moyer, Lockport, N. Y., assignor to Richmond Manufacturing Company, Lockport, N. Y., a corporation of New York

Application December 6, 1945, Serial No. 633,204
5 Claims. (Cl. 209—381)



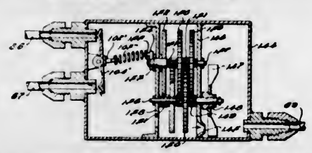
1. A screen for gyratory sifters gyrated in a horizontal plane to described circles, comprising, in combination, a rectangular screen frame having opposed generally parallel side walls, a generally horizontal screening cloth arranged on said frame, a generally horizontal foraminous cleaner carrier arranged on said frame below said screening cloth and forming with said frame and said screening cloth an enclosed compartment, a relatively thin laterally flexible strip arranged vertically on edge within said compartment with its upper longitudinal thin edge adjacent said screening cloth and in spaced relation thereto, means connecting the opposite ends of said strip with two of said opposite generally parallel side walls of said frame and in spaced relation with the other generally parallel side walls of said frame to provide two subcompartments in said compartment, a freely movable screen cleaner in each subcompartment and engageable with said screening cloth, said strip being of such thinness as to be bodily displaced by the impacts of said screen cleaners in the normal operation of the sifter, and a flat pad mounted on said strip in spaced relation to said frame and engaging and supporting said screening cloth in said spaced relation to said strip, the striking of said strip by said screen cleaners bodily displacing said strip and said pad thereby to effect jarring of said screening cloth.

2,497,903

REFRIGERATING MECHANISM

Glenn Muffly, Springfield, Ohio

Application October 9, 1945, Serial No. 621,241
3 Claims. (Cl. 62—8)



1. In a refrigerating system, means forming a refrigerant circuit including alternate paths for refrigerant flow, valve means for diverting refrigerant flow from one to the other of said paths, and mechanical means driven by refrigerant flowing through said system for actuating said valve means at timed intervals.

2,497,904

MODIFIED DRYING OIL

Joseph Nichols, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application May 8, 1947, Serial No. 746,859
5 Claims. (Cl. 260—398)

1. A process for improving the drying qualities of tung oil which comprises refluxing the oil with acetic anhydride at 160° to 180° C., and removing the acetic anhydride.

2,497,905

COATING ZINC OR CADMIUM TO IMPART CORROSION AND ABRASION RESISTANCE

Charles W. Ostrander, Baltimore, Md., assignor, by mesne assignments, to Rheem Manufacturing Company, San Francisco, Calif., a corporation of California

No Drawing. Application March 3, 1945, Serial No. 580,929
9 Claims. (Cl. 148—6.16)

4. The process of forming a visible corrosion resistant coating on a surface of zinc or cadmium or alloys consisting essentially thereof which comprises subjecting the same to an aqueous acidic solution having a pH between about 0.5 to 2.0 consisting essentially of a compound selected from the group consisting of chromic acid and soluble salts thereof; a compound selected from the group consisting of phosphoric acid and soluble salts thereof; a compound selected from the group consisting of nitric acid and soluble salts thereof and a compound selected from the group consisting of sulfuric acid and soluble salts thereof until a green coating is formed, the chromate ions being present in amount of between about 20 g./l. and 40 g./l. of chromic acid, the phosphoric ions being present in amount of between about 1 and 15 cc./l. of phosphoric acid and the remaining mineral acids being in amounts by volume to produce a pH within about 0.5 to 2.0, and after said treatment heating the coating to increase its abrasion resistance.

2,497,906

VALVED HOSE CONNECTION

George E. Peters and Linus E. Russell, Springfield, Ohio, assignors to Peters & Russell, Inc., Springfield, Ohio, a corporation of Ohio

Application October 20, 1944, Serial No. 559,538
2 Claims. (Cl. 251—119)

1. A valved hose coupling, including a ferrule to be contracted at one end around the end of a hose and having at its other end a port for passage of fluid under pressure, a valve seat surrounding the port, a peripherally rabbeted and recessed head located within the ferrule in spaced relation with the valve seat, a tubular stem on said head to be projected interiorly of the hose end, the bore of which communicates with the recess of said head, a flexible cap seated in the peripheral rabbet of the head and extending across the recess thereon in spaced relation with the valve seat, a by-pass port in the cap in later-



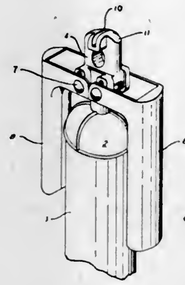
ally offset relation with the port and bore of the tubular stem of said head, a central imperforate area of the flexible cap forming a valve, subject to fluid pressure through the tubular stem by which it is deflected into contact relation with the valve seat to close the port, and alternately subject to fluid pressure through the port to deflect the central imperforate area of said cap away from the valve seat, and an upstanding stud within the recess of the head limiting the deflection of the said imperforate central area of the cap into the recess of the head.

2,497,907

PUMP HANDLE

George E. Peters and Linus E. Russell, Springfield, Ohio, assignors to Peters & Russell, Inc., Springfield, Ohio, a corporation of Ohio

Application March 6, 1946, Serial No. 652,468
12 Claims. (Cl. 74—547)



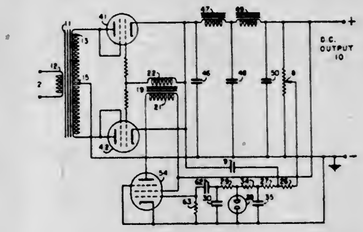
1. An extensible and retractible cross arm handle including a mounting yoke, a pair of L-shaped handle sections, vertically adjustable trunnion pins in said mounting yoke, springs against the tension of which the trunnion pins are independently movable, cam surfaces upon the mounting yoke having therein an open notch, locking lips on the handle sections engageable with the cam surfaces of the mounting yoke to exert a pulling influence upon the trunnion pins against the yielding resistance of the springs as the handle sections are oscillated toward their aligned relation, until the locking lips thereof enter the notch under retractive influence of the springs.

2,497,908

SYNCHRONOUS VOLTAGE REGULATOR SYSTEM

La Verne R. Philpott, Washington, D. C.

Application July 1, 1946, Serial No. 680,781
9 Claims. (Cl. 321—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



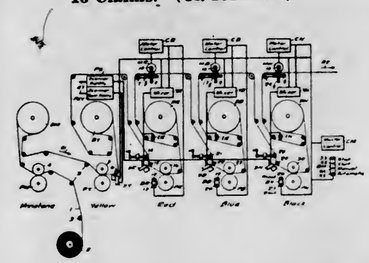
1. A synchronous voltage regulator system for providing direct current potentials to a load circuit from an unregulated power source, comprising a voltage regulating element connected between said power source and said load circuit operative to control the voltage to said load circuit in response to the wave shape of a control signal, a reference frequency source, a variable-frequency oscillator connected to the output of said voltage regulating element, said oscillator being free to change its frequency in accordance with variations in the output voltage level from said regulator system, circuit means applying both the output from said oscillator and said reference frequency source to said voltage regulating element as the control signal.

2,497,909

REGISTER REGULATOR FOR PRINTING PRESSES

Lloyd C. Poole, Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

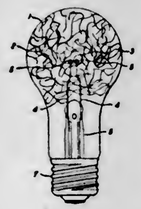
Application December 10, 1946, Serial No. 715,239
13 Claims. (Cl. 101—181)



1. A register regulator for registering imprints in multi-color printing, comprising a plurality of register control motors for registering respective subsequent imprints with the first imprint, a plurality of control units connected to said respective motors and having each a pair of control cir-

cuits for causing the appertaining motor to run in a direction depending upon which of said circuits is energized, an impulse-transmitting master scanner for issuing master impulses in response to the passage of register marks of the first imprint, a plurality of impulse-transmitting reference scanners to be located ahead of the respective subsequent imprints for issuing reference impulses in response to the passage of said register marks, a plurality of electronic mixer units each being connected to said master scanner and to one of said respective reference scanners to be controlled by said master impulses and said reference impulses and having two output circuits connected to said respective control circuits of one of said respective motor control units for energizing one or the other of said two circuits depending upon whether said master impulses lead or lag said reference impulses, whereby the motor appertaining to said one control unit is caused to run in the direction required to establish simultaneity of said impulses.

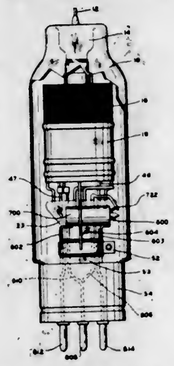
2,497,910
FLASH LAMP
Charles Eric Ransley, Sudbury, England, assignor to General Electric Company, a corporation of New York
Application November 15, 1945, Serial No. 628,900
In Great Britain November 27, 1944
5 Claims. (Cl. 67—31)



1. A flash lamp comprising a sealed light-transmitting envelope, a combustible solid metallic material within the envelope for generating on ignition a flash of actinic light, means within said envelope for igniting the metallic material therein, and a combustion-supporting atmosphere in said envelope comprising an oxygenous gas and a gaseous compound which reacts with the metallic oxide formed within the lamp upon combustion of the metallic material to thereby promote uniform burning thereof and which consists of a halogen compound of an element of the group consisting of carbon, silicon and phosphorus.

2,497,911
HYDROGEN THYRATRON
Gerard J. Reilly, Rumson, and Willis E. Harbaugh, Fair Haven, N. J.
Application August 3, 1945, Serial No. 608,827
9 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A hydrogen filled thermionic tube including a gas-tight vessel, a capsule mounted within said vessel, said capsule including a metallic tube, a hydride within said metallic tube, a heater coil surrounding said metallic tube, a heater shield surrounding said coil, and means for connecting said coil to a source of power for heating said hydride through said metallic tube whereby said



hydride acts as a reservoir of hydrogen for said thermionic tube.

2,497,912
ACOUSTIC WALL TREATMENT WITH REPLACEABLE FACING
Willis M. Rees, Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application August 13, 1945, Serial No. 610,558
7 Claims. (Cl. 20—4)

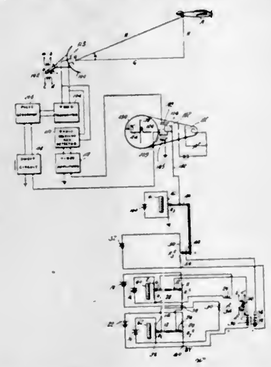


1. An acoustic construction for the walls and ceiling of an enclosure comprising a sound absorbing layer overlying the wall and formed by a plurality of rectangular tiles of fibrous material arranged in a plane with the edges of each tile contiguous to and slightly spaced from the edges of adjoining tiles, and a renewable facing for said sound absorbing layer including a plurality of thin sheets of porous material individual to said tiles and each having tabs at its edges integral with the sheet and resiliently held in place between adjacent edges of said tiles to hold the sheets in place over the face of the tiles.

2,497,913
RANGE AND ELEVATION COMPUTING SYSTEM
Robert Harvey Rines, Brookline, Mass.
Application April 2, 1947, Serial No. 738,989
34 Claims. (Cl. 235—61)

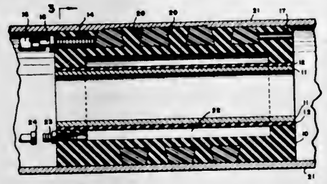
32. An electric system for determining the height H of an object comprising a radio-location equipment having means for transmitting radio waves toward the object, means for receiving the transmitted waves after reflection and scatter from the object, means controlled in accordance with the received waves for determining the angle α of elevation of the object, cathode-ray-tube means, means controlled in accordance with the received waves for displaying upon the cathode-ray-tube means indications corresponding to the slant range R of the object, a first adjustable voltage-producing means, means for adjusting the first voltage-producing means in accordance with the indications of the cathode-ray-tube means in

order that the adjusted voltage produced thereby shall provide a measure of the slant range R, further adjustable voltage-producing means, means for adjusting the further voltage-producing means to produce voltages that may represent values related by a factor of proportionality to the sine of the angle α, means for representing



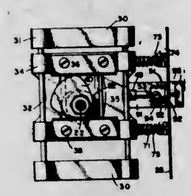
the adjustment of the further voltage-producing means, and means for modifying the representations of the representing means in accordance with the adjustment of the first voltage-producing means to correlate the factor of the proportionality to the slant range R in order that the representing means shall provide a measure of the height H.

2,497,914
MEANS FOR FORMING NEGATIVE SURFACE REPLICAS OF TUBE INTERIORS
John W. Sawyer, Arlington, Va.
Application April 5, 1949, Serial No. 85,701
11 Claims. (Cl. 18—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



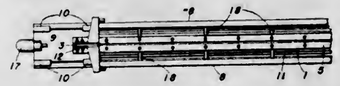
1. In a mold for the construction of a negative replica of a tube interior surface, the combination of, an elongated mold member of diameter substantially less than the diameter of said tube, a mold cavity channel formed within the periphery of said mold member and adapted when pressed against the interior surface of the tube to form a complete closed mold cavity, means extending beyond the end of the tube for expanding said mold member into contact with said surface, means extending beyond the end of the tube and into said mold cavity for filling the cavity with a liquid molding material, means venting the cavity to permit complete filling thereof, and means for removing the mold and negative replica therein when the molding material has set.

2,497,915
INTERMITTENT PROJECTOR MOVEMENT
Rudolph Smid, Chicago, Ill.
Substituted for application Serial No. 706,199, October 28, 1946. This application April 9, 1948, Serial No. 19,921
10 Claims. (Cl. 88—18.4)



1. An intermittent projector movement comprising a film guide, a base plate, bearing means carried by the same, a carriage slidable in said bearing means in a path parallel to the course of film travel, an extension on said carriage at right angle to said bearing means forming a backing for the film, a unit transversely slidable in the carriage and provided with a headpiece positioned in front of the film and in horizontal alignment with said extension, means for producing a reciprocatory sliding movement on the part of the carriage and a like transverse movement on the part of said unit in a manner to move said extension and headpiece in unison along the course of the film and to periodically advance said headpiece toward the path of the film, means carried by the headpiece to positively engage the film on such advance, and other means releasing said film on the retracting movement of the headpiece.

2,497,916
LAUNCHING OR TOWING DEVICE
Henry J. Stambaugh, Washington, D. C.
Application April 24, 1945, Serial No. 590,099
6 Claims. (Cl. 244—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



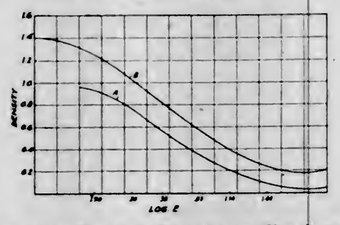
1. An aeroplane launching device including a slotted tube closed at one end, a piston in said tube provided with a slot and aligned with the slot in the tube, a tow fitting in the piston slot extending through the tube slot to engage a launching car or plane, means for supplying fluid to the tube behind the piston and under pressure, and means for sealing the slot behind the piston to form a closed chamber, said means including inwardly facing continuous channel sockets secured to said tube on each side of the slot, an elongated sealing means laterally movable in each channel socket, normally positioned to leave a space substantially the width of the tow fitting and spaced communicating apertures between the sides of each channel socket behind the sealing means and the slotted tube whereby fluid between the rear end of the tube and the piston will enter the channel sockets behind said sealing means and force the sealing means into contacting relationship.

2,497,917

METHOD OF PRODUCING DIRECT POSITIVE PHOTOGRAPHS HAVING INCREASED DENSITY

Robert Eliot Stauffer, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 17, 1947, Serial No. 780,569
4 Claims. (Cl. 95—88)



1. The method of obtaining a direct positive image in a silver halide emulsion layer, which comprises exposing to light rays to which the emulsion is sensitive, a silver halide emulsion layer a test portion of which upon exposure to a light intensity scale for a fixed time between 1/100 and 1 second and development for 3 minutes at 20° C. in the following internal type developer:

	Grams
Hydroquinone	15
Monomethyl-p-aminophenol sulfate	15
Anhydrous sodium sulfite	50
Potassium bromide	10
Sodium hydroxide	25
Sodium thiosulfate	20
Water to 1 liter	

gives a maximum density at least 5 times the maximum density obtained when the equally exposed silver halide emulsion is developed for 4 minutes at 20° C. in the following surface developer (I):

	Grams
p-Hydroxyphenylglycine	10
Sodium carbonate	100
Water to 1 liter	

and developing the unexposed portion of said emulsion layer in an aerial fogging developer with access of oxygen, and containing a heterocyclic, nitrogen-containing ring compound which increases the maximum density of the positive image obtained in said aerial fogging developer, said heterocyclic compound being selected from the group consisting of benzotriazole, methyl benzotriazole, ethyl benzotriazole, 1-ethyl oxindole, 5-nitroindazole, 6-nitrobenzimidazole, histidine, ethyl benzoxazole, N-ethyl pyrrole, 2,5-dimethylpyrrole, 2,4-dimethyl - 5 - carbethoxypyrrole, 2,3-dimethyl quinoxaline, 2-thio-2,4(3,5)-thiazoledione, 2,4,6-tri-isopropylamino - S - triazine, 2,4-dimethylamino-6-chloro - S - triazine, 2,4-di - (β - methoxyethylamino) - 6 - chloro - S-triazine, 2,4,6-tri-n-butylamino - S - triazine, 1-carboxymethyl-3-phenyl-2 - thiohydantoin, 1,4-diphenyl-3-anilino-5-phenylimino, and 1,2,4-triazoline.

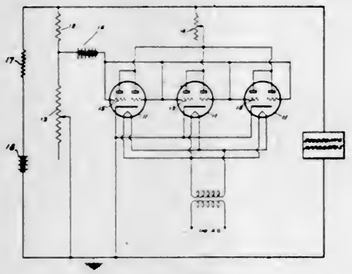
2,497,918

CURRENT-CONTROL APPARATUS FOR POTENTIAL-MEASURING APPARATUS

Edward C. Taylor, Valley Stream, N. Y.

Application September 21, 1945, Serial No. 617,903
6 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A by-pass circuit comprising a grid controlled vacuum tube connected in parallel with a segment of an electric circuit containing at least one varying resistance and at least one fixed resistance, the grid of said tube being biased to a point in the circuit between the fixed resistance and the varying resistance through a direct current potential source so selected that the



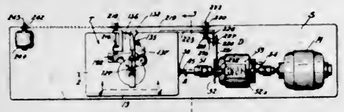
grid bias of the tube is below the cut-off voltage while normal current is flowing through the fixed resistance and the grid bias is above the cut-off voltage when the current through the fixed resistance is substantially lowered, whereby a compensating current is caused to flow through said tube.

2,497,919

VISCOMETER RECORDER

Ruth N. Weltmann, Forest Hills, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application November 1, 1945, Serial No. 626,000
12 Claims. (Cl. 73—59)



5. A recording device for use in connection with a rotational viscometer, said viscometer including a cup to contain material whose flow characteristics are to be determined, means to rotate said cup, means to change the speed of rotation of said cup, a bob adapted to be centrally positioned within said cup, and a torsion-suspension means for said bob, which device comprises an electrode mounted on said torsion-suspension means, a second electrode fixedly mounted adjacent said first electrode to provide a spark gap therebetween for each position of said first electrode said first electrode being mounted in the shape of a helix to provide a linear relation between its position and the angular deflection of the bob, means to move a continuous spark-puncturable medium between said two electrodes in a manner to provide a linear relation between the change of its position and the change of speed of rotation of said cup, said moving means including means to move said medium in one direction as the speed of rotation of said cup is increased and means to move said medium in the opposite direction as the speed of rotation of said cup is decreased, and means to impress a high-frequency current across said electrodes to cause a spark to jump therebetween and to puncture said medium.

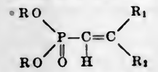
2,497,920

PLASTICIZING AGENTS

Willard H. Woodstock, Flossmoor, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application January 26, 1946, Serial No. 643,772
8 Claims. (Cl. 106—177)

1. A plasticized material containing 80 to 60% by weight of a member of the class consisting of a vinyl chloride polymer containing from 80 to 100% vinyl chloride and up to 20% vinyl acetate, nitrocellulose, and ethyl cellulose, and approximately 20 to 40% of a compatible phosphonate ester having the formula:



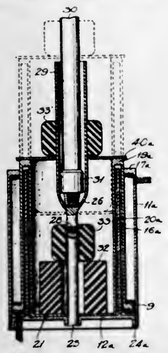
where R is an alkyl group of 4 to 8 carbon atoms, R_1 is a member of the class consisting of hydrogen and alkyl groups, R_2 is a member of the class consisting of alkyl and aryl groups, the total number of carbon atoms in the compound being more than 14 and not more than 24.

2,497,921

METHOD OF APPLYING PROTECTOR COLLARS TO DRILL PIPES

Lester W. Ballard, Avenal, Calif.

Application October 24, 1947, Serial No. 781,931
2 Claims. (Cl. 29—148.2)



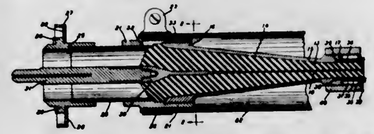
1. Steps in the method of applying, at an oil well derrick, resilient annular protector collars to drill pipe sections each having a tool joint at one end, comprising: suspending a pipe section in the derrick with said tool joint at the lower end thereof; resting upon the floor of the derrick a press having an expanding cone detachably connected at its small end to a fixed part of the press and having, projecting from the large end of said cone, a mandrel in which the said tool joint may be completely and loosely received; inserting said tool joint completely within the mandrel; expanding onto the mandrel one of the protector collars; detaching the mandrel from the press and inserting another collar between the cone and the press; and simultaneously expanding a second collar onto the mandrel while pushing the first collar off the end of the mandrel directly onto the drill pipe above the tool joint, by pressure applied to said first collar through means independent of said second collar but operating in unison with the movement thereof; and lifting the drill pipe to facilitate simultaneous upward movement of said first collar and the drill pipe, with no relative movement between them, beginning approximately at a point where said first collar grips the drill pipe in being pushed off the mandrel.

2,497,922

CONNECTING DEVICE

Thomas Howard Batt, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 30, 1945, Serial No. 602,446
10 Claims. (Cl. 174—15)



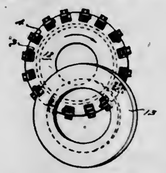
1. A flexible electrical transmission and pressure line including an insulated flexible conductor, an electric plug connected to each end of the conductor, a second insulated conductor secured to and concentrically surrounding the first insulated conductor, a metal coupling secured to the insulation at each end of the first conductor and spaced concentrically from the plugs therein, means for maintaining contact between the second conductor and each metal coupling, and a flexible air tube surrounding the second conductor and sealed to the metal couplings, said couplings having passageways therethrough into the air tube and to the plugs.

2,497,923

METHOD OF AND APPARATUS FOR FORMING TEETH OF SPIRAL OR HYPOID BEVEL GEARS

Peter P. Bazarnic, Grosse Pointe, Mich.

Application January 11, 1943, Serial No. 472,056
18 Claims. (Cl. 90—5)



1. The method of generating spiral gear teeth consisting of passing a cutter blade through a gear blank, and maintaining the cutting edge of said blade with respect to the pitch cone plane and a line parallel to the axis of the cutter at an angle substantially approximating the pressure angle of the tooth being formed while cutting along the entire face of said tooth.

6. A gear cutting blade adapted to be rotated on a shifting axis and having a cutting edge positioned at an angle with respect to the front face of the blade, which angle substantially approximates the pressure angle of said blade.

2,497,924

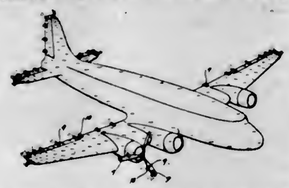
ELIMINATION OF STATIC ELECTRICITY FROM AIRCRAFT

Robin Beach, Brooklyn, N. Y.

Application November 5, 1946, Serial No. 707,925
2 Claims. (Cl. 175—264)

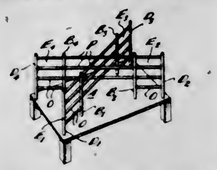
1. All-metal dischargers for initiating radio-quiet discharge of static electricity from the

charged surfaces of aircraft automatically as soon as such surfaces become charged and continuously for so long as charging conditions continue, comprising elongated, flexible, uninsulated, fine metal wire bristles in the order of four thousandths of an inch in diameter or less, massed together in intimately contacting engagement in groups forming tufts, means for securing said tufts of fine wire bristles at one end in electrically connected engagement with trailing edge portions of electrostatically charging sur-



faces of aircraft and with the opposite ends projecting freely into the slip stream of the aircraft and said free ends of said fine metal wire bristles having smooth, long, tapered, acid etched points of extreme sharpness for individually and collectively dissipating and carrying off electrification in such small discharges as not to interfere with radio communication and said points being non-corrosive to avoid atmospheric etching, whereby to continue effective radio-quiet discharge so long as electrostatic charging conditions exist.

2,497,925
TABLE GAME APPARATUS
René Bergerioux, Saint-Cloud, France
Application August 2, 1939, Serial No. 287,887
In France August 12, 1938
Section 3, Public Law 690, August 8, 1946
Patent expires August 12, 1958
6 Claims. (Cl. 273—95)



1. A game apparatus comprising a base, a plurality of fields disposed on said base around and extending from a common center, a plurality of substantially vertical partitions converging and extending to said common center and separating each pair of adjacent fields, each of said partitions having an opening adjacent said common center, means for limiting the vertical dimensions of said opening, and a tethered ball secured to said common center and adapted to be thrown by the players into the respective fields.

2,497,926
RESINS FROM ESTERS OF 1-HYDROXY-BUTADIENE-1,3 INSOLUBILIZED WITH NITROGEN BASES
Herman A. Bruson, Rydal, Pa., assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 28, 1945, Serial No. 607,655
9 Claims. (Cl. 260—89.1)

1. A method for converting a thermoplastic, soluble polymer of an ester of 1-hydroxy-1,3-butadiene and an aliphatic, monocarboxylic acid of two to four carbon atoms into a non-thermoplastic, insoluble resin which comprises reacting below 200° C. said polymer with a basic nitrogen compound from the class consisting of (1) nitrogenous bases having at least one hydrogen atom attached to a trivalent nitrogen atom thereof and containing at most ten carbon atoms per molecule and (2) salts of said bases and volatilizable acids, said salts being heat-dissociable below 200° C., the proportion of said nitrogen compound being between 0.1% of the weight of the soluble polymer and one molar quantity of the said nitrogen compound per ester unit of said polymer and being sufficient to promote cross-linking in the resulting resin and render it infusible and insoluble in acetone and benzene when heated below 200° C.

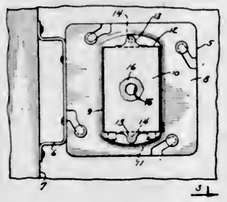
2,497,927
RESINOUS FUNGICIDAL COMPOSITIONS
Herman A. Bruson, Rydal, Pa., assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 16, 1948, Serial No. 2,812
5 Claims. (Cl. 117—138.5)

1. A resinous fungicidal agent comprising the product of copolymerizing substantially equimolar amounts of an anhydride from the class consisting of maleic and chloromaleic anhydrides and an ether having the general formula

$$Ar—(O—CH_2CR=CH_2)_n$$

in which R represents a member of the class consisting of a methyl group and a hydrogen atom, n is a whole number having a value of one to two, and Ar is a chlorinated aromatic hydrocarbon radical of the benzene and naphthalene series containing one to five halogen atoms.

2,497,928
PLASTER GUARD
Michael J. Cafiero, Rockville Centre, N. Y.
Application November 4, 1948, Serial No. 58,239
3 Claims. (Cl. 220—3.4)

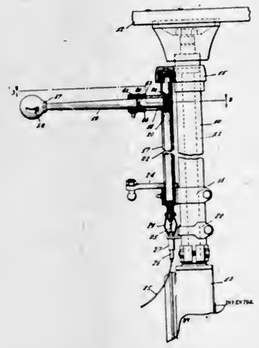


2. A box location indicating plaster guard comprising a closure for the opening provided in the cover plate of a wall box, said closure having means for temporarily retaining it in position on such cover plate while plastering is being effected and provided with means which will show through an overlying layer of plaster to designate position of the guard plate in the wall and hence the location of the box and cover plate to which the plaster guard is applied, said marking means including an acid dye dispersed in hydrocarbon resin dissolved in solvent applied to and carried by the outer face of the closure.

2,497,929
METHOD OF TRANSFERRING HEAT BY A HYDROCARBON MEDIUM
Karl Cohen, New York, N. Y., and Edward H. McArdle, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 24, 1946, Serial No. 705,480
2 Claims. (Cl. 252—73)

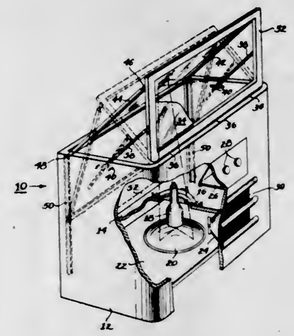
1. The method of transferring heat at very high temperatures up to about 950° F. which comprises continuously circulating a fluid heat transfer medium through a closed cycle, applying heat at one portion of said cycle to said medium and removing heat therefrom at another portion of said cycle, in which said medium is a highly aromatic gas oil fraction which has been extracted from a cycle gas oil fraction by a solvent which is selective for aromatics, said medium having a specific gravity greater than 1.0, a solidifying point below 0° F., and a narrow boiling range within the limits of 500° and 600° F.

2,497,930
TRANSMISSION CONTROL
William K. Creson, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a corporation of Indiana
Application April 2, 1948, Serial No. 18,580
5 Claims. (Cl. 74—473)



1. Control mechanism for a change speed transmission having a plurality of elements selectively shiftable to provide different speed ratios, a shifter-fork for each element, and a fork shifter selectively engageable with said forks and movable to shift the engaged fork; said control mechanism comprising a hollow rock shaft, a control rod projecting laterally from said shaft and supported therefrom for rotation with the shaft about the shaft-axis and for rotation about its own axis relatively to the shaft, a rod axially slidable within said shaft, and means operatively interconnecting said control rod and slidable rod to produce axial movement of the latter upon rotation of the former, said slidable rod being adapted for connection to mechanism controlling engagement of the fork-shifter with the shifter-forks and said shaft being adapted for connection with the fork-shifter to move it in a fork-shifting direction.

2,497,931
IMAGE PROJECTION AND CABINET BODY MEANS
George M. Daly, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 23, 1945, Serial No. 595,304
9 Claims. (Cl. 88—24)

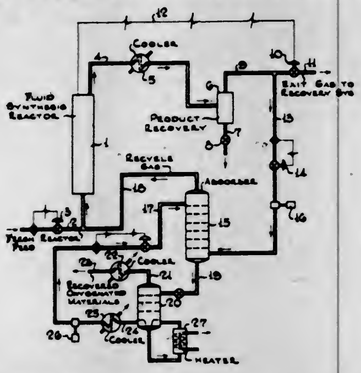


1. Projection apparatus comprising a cabinet body member having an image producing and projecting device supported therewithin, an image observation screen movable from viewing to non-viewing positions, a support frame for said image observation screen, said support frame being hinged at one edge thereof to said cabinet body member to form with said image observation screen a closure element for said cabinet, a reflecting element, a panel supporting said reflecting element and hinged to said frame, guide means on said body member whereby said panel slidably engages said body member and being substantially completely concealed within said body member when said image observation screen is in non-viewing position, and means responsive to the movement of said image observation screen from non-viewing to viewing position to cause said panel to be withdrawn from said body member to form such an angle with said support frame that the image produced by said image producing device will be reflected from said reflecting element onto said image observation screen.

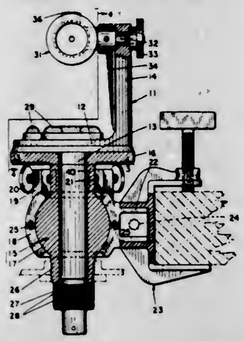
2,497,932
HYDROCARBON SYNTHESIS OPERATION
Jack C. Dart, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 2, 1946, Serial No. 666,760
2 Claims. (Cl. 260—449.6)

1. Improved process for the production of hydrocarbons containing more than one carbon atom in the molecule from gases comprising oxides of carbon and hydrogen which comprises contacting said feed gases in a reaction zone with an iron catalyst under temperature and pressure conditions to secure hydrocarbons containing more than one carbon atom in the molecule, removing overhead reactant gases and cooling the same to condense water and condensable hydrocarbons, separating uncondensed gases from the condensate, and treating at least a portion of said uncondensed gases with a solvent adapted to remove substantially all of the oxygenated hydro-

carbons which are formed in said reaction zone from said gases, and recycling said solvent treated gases free of oxygenated compounds to said reaction zone.

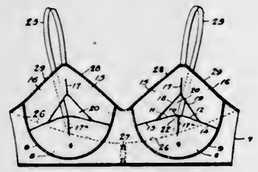


2,497,933
CARPENTER'S TRANSIT
Charles E. Devers, Long Beach, Calif.
Application December 26, 1945, Serial No. 637,176
4 Claims. (Cl. 33—69)



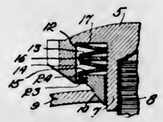
1. A surveying instrument comprising a body portion including a rotatable instrument table having an underside flat bearing surface, a telescope support means extending upwardly from the edge of said table, and a shaft extending downwardly from the center of said table; a supporting means having a cylindrical portion adapted on its upper end to form a bearing surface for the under surface of said table, a spherical portion, a narrow neck portion between said cylindrical and said spherical portions, and a hole extending centrally through all said portions adapted for turning said shaft therein; a socket member adapted to partly enclose said spherical portion of the supporting means to form a ball and socket universal joint, said socket member being provided with tabs with radial adjusting screws disposed adjacent said neck portion of the said supporting means between the spherical portion and cylindrical portions thereof, a telescopic sighting tube horizontally pivoted midway between its ends to said upright support means on said body portion; and adjustable clamp means attached to said socket member, said clamp means being adapted to support said instrument on a structural member of a building or the like.

2,497,934
BRASSIÈRE
Fay Edith Everitt, Santa Monica, Calif.
Application February 26, 1947, Serial No. 730,961
2 Claims. (Cl. 2—42)



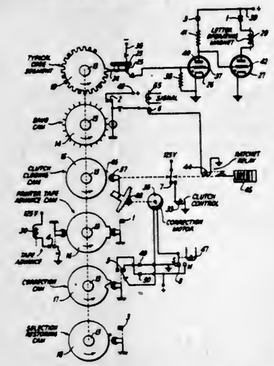
1. In a garment of the brassière type, a breast cup including a lower wall section of sheet fabric and a pair of sheet fabric wall portions joined by seams to the side extremities of said lower wall section and converging upwardly, said pair of wall portions having downwardly and outwardly diverging lower inner edges spaced from said lower wall section to define a triangular opening, said lower wall having an upper portion having an upwardly arched upper edge defining the base of said opening, said upper portion constituting the apex portion of said cup and providing a yielding support for the apex of the breast, arranged to completely cover the nipple thereof.

2,497,935
DUST-TIGHT WATCH CROWN
Robert Feurer, Jackson Heights, N. Y., assignor to Feurer Bros., Inc., New York, N. Y., a corporation of New York
Application July 11, 1947, Serial No. 760,387
1 Claim. (Cl. 58—90)



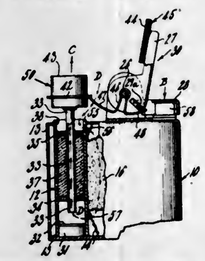
A dust-tight watch crown for a watch case having a beveled seat about the stem and comprising a crown body having a deep annular cavity about a central internally screw threaded stud for engagement on the stem, a sealing washer loose in the annular cavity and loose about the tubular stud and having a beveled inner face for sealing engagement with the beveled seat in the case and an expansion spring in the annular cavity back of said sealing washer and extending continuously as a flexible spring sealing wall from the back of the cavity to the back of said sealing washer, said seal forming spring being composed of dished spring washers in back-to-back relation in pairs and with the pairs separated by a substantially flat washer.

2,497,936
CODE PRINTER
James Leslie Finch, East Rockaway, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 18, 1946, Serial No. 704,155
15 Claims. (Cl. 178—23)



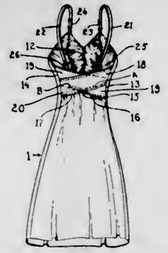
2. In a telegraph system, apparatus for translating intelligence expressed in a given code, including a plurality of cams having configurations corresponding to the natures of the individual code elements of the individual characters of said code, means to synchronize the operation of said cams with the characters of said intelligence to be translated, cam followers associated with each of said cams to produce a voltage varying in accordance with the individual elements of the characters of said given code, a plurality of output circuits corresponding to the individual characters of said code, output blocking circuits associated with each of said output circuits, means to apply operating potential to said blocking and said output circuits, means responsive to the individual elements of the characters of said intelligence to energize said blocking circuits when the nature of the individual code elements of said code cams differs from the nature of the corresponding code element of said intelligence character to block the associated output circuit, whereby only one of said output circuits remains operative.

2,497,937
CATALYTIC LIGHTER
Irving Florman, New York, N. Y.
Application May 17, 1949, Serial No. 93,758
3 Claims. (Cl. 67—7)



1. A catalytic lighter comprising a housing, a unit including a receptacle having an open end and carrying a catalytic element, said unit being arranged for movement in said housing to assume operative and inoperative positions, respectively, and closure means pivotally mounted on said housing, said closure means including a movable lever and displaceable closure parts, one of said closure parts carrying a cover for application to said open end of said receptacle in inoperative position of said unit, the other closure part being spring supported and being operatively connected to said cover carrying closure part, said lever being positioned for actuation by said one closure part to move said unit into operative position upon displacement of said other closure part against spring action.

2,497,938
SLIP
Werther Friedman, New York, N. Y., assignor to Hy Perlman, Herbert Perlman, and Lily Perlman, a partnership doing business as Hy Perlman & Co., New York, N. Y.
Application January 7, 1947, Serial No. 720,608
1 Claim. (Cl. 2—73)

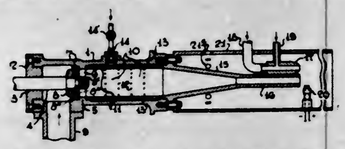


A slip comprising a skirt, a bust panel formed substantially entirely of non-elastic material connected thereto and extending to substantially the sides of the garment, the side edges of said bust panel being of substantial width and extending above and below the centers of the busts, and a back panel extending substantially entirely across the back and comprising upper and lower elastic straps of substantially the same width, together extending, at each side edge, the full width of the side edges of said bust panel and joined thereto along said side edges, said upper and lower elastic straps being stretchable lengthwise and formed of one-way stretch material and extending respectively from said side edges in downwardly and upwardly inclined directions toward the center of the back, means joining the lower edge of each of the said straps to the body of the adjacent strap from the centerpoint to a substantial distance on each side, for pulling downwardly and upwardly respectively on the upper and lower portions of the bust pockets so as to shape the same and to produce a confining, uplift action and to also produce a substantially horizontal tension on an intermediate and lower section of each side seam between the seam and one of the said spaced points, for molding the back panel to the small of the back.

2,497,939
OIL PROJECTING DEVICE
George H. Garraway, Westfield, and Norval F. Myers, Short Hills, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 14, 1945, Serial No. 605,136
5 Claims. (Cl. 158—28)

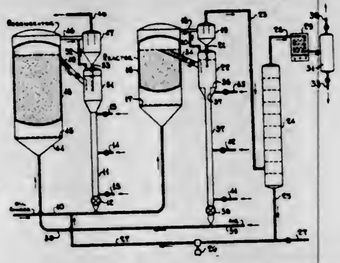
1. A device of the class described comprising a gun body with an interior cylindrical surface,

means including a valve near one end of the gun body for admitting into the gun body under pressure a thickened fuel capable of rod-like projection, a circumferential perforated sleeve fitted within the gun body so as to leave an annular chamber between the body and the sleeve, controllable means for adding readily ignitable liquid fuel to the chamber and thence through the sleeve perforations, a forwardly tapering nozzle fastened to the gun body and a cylindrical directing barrel fastened to the narrower end of the nozzle,



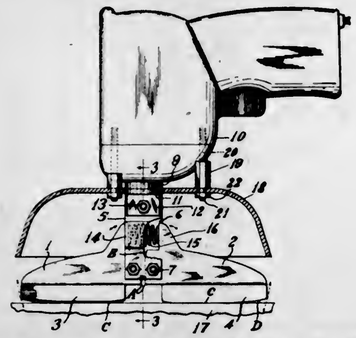
the cylindrical surface of the gun body, nozzle and barrel being coaxial, a fuel atomizer for introducing an igniting fuel-air mixture mounted on the barrel near its discharge end and an electrical ignition means adjacent the discharge end of the atomizer, tubes for feeding fuel and air to the atomizer and a cylindrical chimney attached to the gun body surrounding the barrel and extending a short distance beyond the end thereof, the chimney being perforated at the end nearest the gun body.

2,497,940
CONVERSION PROCESS
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 20, 1944, Serial No. 541,179
8 Claims. (Cl. 196—52)



1. A continuous process for contacting gaseous reagents with finely divided solids which comprises passing a stream of gaseous reagents upwardly through a reaction chamber, introducing a stream of finely divided solids to be contacted into said reaction chamber, limiting the velocity of the gases rising through said chamber to maintain a relatively dense turbulent layer of finely divided solids in the bottom portion of the reaction chamber and superimposed on said layer a relatively dilute phase of gaseous reaction products containing a small amount of finely divided solids entrained therein the upper portion of the reaction chamber, withdrawing a stream of said gaseous reaction products containing a relatively small amount of entrained finely divided solids from the upper end of said reaction chamber, separating entrained solids therefrom, continuously separately removing from the reaction chamber a restricted stream of solids containing entrained gaseous reaction products only from a portion of said dense layer within the reaction zone substantially above the bottom thereof, passing the last-named stream into a stripping zone, said stripping zone being independent of the dilute phase in the reaction chamber, continuously contacting the solids within said stripping zone with a stripping gas to remove gaseous reactants entrained therein, and subsequently discharging the stripped solids from said stripping zone.

2,497,941
ROTARY SCRAPING TOOL FOR MEAT BLOCKS OR THE LIKE
Elmer B. Hobson, Wichita, Kans.
Application August 25, 1947, Serial No. 770,417
1 Claim. (Cl. 144—2)



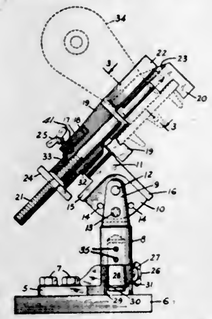
In a rotary scraping tool for meat blocks, a pair of bars vertically positioned, a side portion of the bars adjacent their upper ends being contactingly arranged while a side portion thereof adjacent their lower ends are spaced apart, a pair of arms oppositely extending from the lower ends of the bars and being rockably mounted therebetween, the arms having blades at their lower extremities as scraping means for meat blocks, the bars intermediately of their ends being depressed outwardly to provide a circular space, a coil spring positioned in the circular space, said arms adjacent their inner ends having upstanding extensions to contact their respective ends of the spring for urging the free ends of the arms downwardly, and a connector having downwardly extending ears to clamp the upper ends of the bars and a stud extending upwardly to threadedly receive the rotating element of an electric motor as a power to rotate the tool.

2,497,942
AUTOMATIC VENTILATOR FOR CLOSED CARRIAGES
Benjamin Donald Hughes and Ernest Leonard Ford, London, England
Application May 9, 1946, Serial No. 668,588
In Great Britain May 29, 1945
3 Claims. (Cl. 98—20)



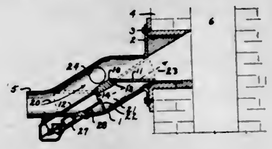
1. An automatic ventilator for closed carriages and the like having in combination a base element comprising an approximately flat base plate of lozenge shape, an oblong transverse aperture furnished in the base plate centrally between its ends, an upstanding wall around said oblong aperture, such wall having an outwardly flared upper edge; a cover element comprising a plate pressed into a dome-shaped form having downwardly inclined tapered end portions extending from a central portion with vertical side walls; a pair of apertures in each of said side walls arranged on either side of said oblong aperture, a deflector element secured adjacent the inner edge of each of the apertures in each side wall, said deflector elements each being inwardly and obliquely inclined towards the adjacent end of the cover element and extending across the major part of the adjacent aperture.

2,497,943
SEWING-MACHINE REPAIR VISE
Max Ingwer, New York, N. Y., assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y., a corporation of New York
Application December 11, 1947, Serial No. 791,133
1 Claim. (Cl. 81—32)



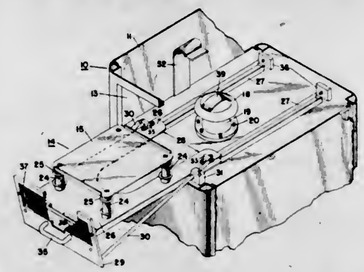
A vise head having an elongated bearing extending therethrough from one side to the opposite side, a relatively stationary jaw member at one side of said head and having a tubular hub rotatably engaged in said bearing, means for securing said hub in various positions of angular adjustment in said bearing, said relatively stationary jaw member having a jaw element disposed at one end of the elongated bearing in the vise head and at one side of the axis of said bearing, and having a guard, substantially V-shaped in cross section, provided at the opposite side of said axis and projecting away from said one side of the vise head; a bolt rod extending through said hub and slidable longitudinally therein; a companion, relatively movable jaw element on one end of said bolt rod at said one side of the axis of said bolt rod and opposed to the jaw element of the relatively stationary jaw member; said relatively movable jaw element having a guard element, substantially V-shaped in cross-section, provided on the opposite side of the axis of said bolt rod and projecting toward and in interlocking telescopic relation to the projecting guard of the relatively stationary jaw member, whereby said relatively movable jaw element will be maintained in alignment with the jaw element of the relatively stationary jaw member in the longitudinal sliding adjustment of the bolt rod; said bolt rod having a screw threaded end portion projecting from the hub at the opposite side of the vise head, and a hand nut engaged on said projecting screw threaded portion of the bolt rod and contacting an end of the hub to thereby apply thrust thereagainst for pulling the bolt rod and movable jaw element into cooperative relation with the jaw element of the relatively stationary jaw member.

2,497,944
COMBINATION NATURAL AND FORCED DRAFT UNIT
Carl J. Jendresen, Mission, Tex.
Application January 8, 1945, Serial No. 571,720
3 Claims. (Cl. 110—160)



1. In a device of the class described, a body having a passage therethrough, pivot means extending transversely and horizontally within said body, a pair of oppositely directed diverters mounted on said means and biased to normally define a flue passage on one side in the body and simultaneously form an enclosure on the opposite side within the body, a fan within said enclosure, a motor operatively connected to said fan, a linkage operatively interconnecting said pivot means, and means connected to said linkage and operable by said motor for moving said diverters to close said passage and form a draft passage past the fan whereby a forced draft is induced through the body.

2,497,945
DIELECTRIC HEATING APPARATUS
Sheldon V. Jennings, New Albany, Ind., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application March 2, 1948, Serial No. 12,603
8 Claims. (Cl. 219—47)

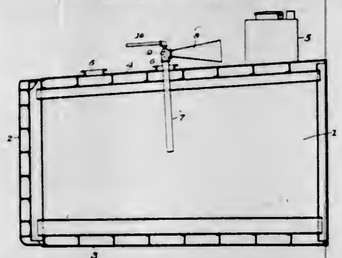


1. Dielectric heating apparatus comprising a compartment, a grounded upper heating electrode within said compartment, a load tray comprising a carriage and a lower heating electrode mechanically connected thereto and electrically insulated therefrom, a front tray wall for closing said compartment when said tray is disposed therein, structure pivotally connecting said front wall to the rear of said carriage, and guides engaging said structure to effect dropping of said front wall below the plane of said lower heating electrode as said tray is retracted from said compartment.

2,497,946
PURGING OF HYDROCARBON-CONTAINING CHAMBERS

Harry H. Lester, Bellevue, Pa., assignor to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 9, 1943, Serial No. 475,321
5 Claims. (Cl. 134—22)

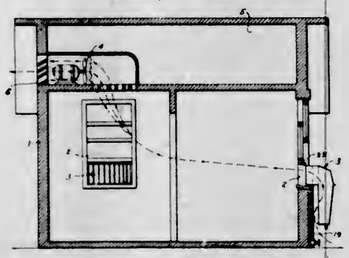


1. In a substantially empty tank or container having a compartment with hydrocarbon vapors therein, said container also having one or more gas or vapor outlet openings of substantial size in the top portion thereof indirect communication with the outer atmosphere for exhausting gases therein, and an inlet conduit adapted to inject into said container a stream consisting of a mixture of only steam and air forming a moisture laden vapor or fog of greater density than said hydrocarbon vapors, the method herein described of purging said compartment of hydrocarbon-vapor laden atmosphere, which consists in displacing the hydrocarbon vapor gravitationally upward through said outlet opening or openings by the injection into said container, of said stream consisting of a mixture of only steam and air forming a moisture laden vapor or fog of greater density than the hydrocarbon vapors causing a tide consisting of moisture-laden vapor or fog to rise within the compartment from below said hydrocarbon laden atmosphere, whereby said lighter density hydrocarbon vapors are evacuated from the container through said outlet opening or openings in the top of the container.

2,497,947
AIR CONDITIONER

Joseph M. Lewis, Wichita Falls, Tex.

Application February 16, 1946, Serial No. 648,092
5 Claims. (Cl. 98—33)

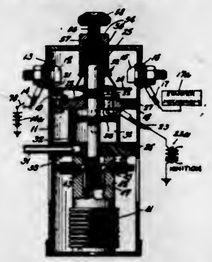


1. An air conditioner system for cooling and humidifying air used in a building and comprising an air conditioning unit comprising a hollow housing adapted to fit into the lower portion of a window of said building, said housing having an outwardly and downwardly depending neck portion, an air inlet on the inner side of said downwardly depending neck portion and an air outlet into said building on the upper end of said housing, fibrous material disposed within a confining element within said air inlet opening in such manner as to permit air to pass therethrough into said building, and a water dispensing element including a pipe having upwardly directed perforations formed therein positioned above said fibrous material for evenly distributing water downward onto said fibrous material to pass therethrough for evenly moistening all of said fibrous material over which the incoming air passes.

2,497,948
AUTOMATIC ENGINE-WARMING MECHANISM

Carl E. Lincoln, Westport, Conn., assignor of forty-five per cent to Robert H. Holmes, Easton, Conn.

Application October 23, 1948, Serial No. 56,150
19 Claims. (Cl. 290—2)

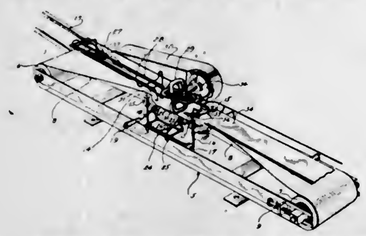


1. A control for internal combustion engines, including ignition and starter circuits and a source of potential, comprising circuit closing means movable into engine starting position to connect said source of potential to both said ignition and starter circuits, into engine operating position to connect said source of potential to said ignition circuit only, and into neutral position to disconnect all circuits, temperature controlled mechanism for causing said circuit closing means to move into said engine starting position or into said neutral position in response to predetermined variations in the temperature of said engine, and means actuated by operation of said engine for moving said circuit closing means into said operating position.

2,497,949
EGG CLEANING MACHINE

Howard T. Linsmeier, Saukville, Wis.

Application June 29, 1949, Serial No. 102,067
12 Claims. (Cl. 51—137)

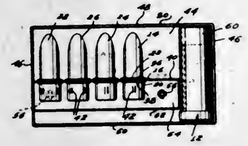


4. In an egg cleaning machine: a flexible cleaning belt mounted for endwise movement along a defined path; means for so moving the belt; guide means acting upon the belt to flex the same transversely and to shape a portion of the belt into a trough of a size to snugly receive an egg, with its major axis crosswise of the belt; a friction roller; means rotatably mounting the friction roller crosswise of the trough and spaced from the bottom of the trough a distance to hold an egg interposed between the roller and the cleaning belt against the bottom of the trough; means for driving the roller to control rotation of an egg confined between the roller and the bottom of the trough; angularly spaced egg feeding and holding members rotatable around and with respect to the roller to feed eggs into the space between the roller and the bottom of the trough and to hold them in said position for rotation under control of the roller; and means for imparting stepwise rotation to said egg feeding and holding members,

2,497,950
CHANGEABLE AND REFILLABLE LIPSTICK ASSEMBLY

Raymond J. Lohr and Richard N. Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application March 3, 1948, Serial No. 12,806
4 Claims. (Cl. 132—79)



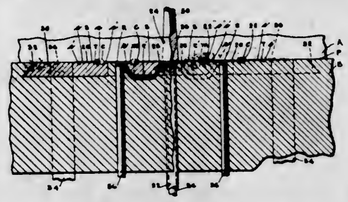
1. A lipstick box for use with a crayon holder interchangeably receiving a plurality of crayons each having a rigid base having a narrow annular groove, said box having a bottom wall, end walls, and a rear wall, a cover for closing or opening the top and front of said box, two spaced upright support walls within the box extending substantially parallel to the rear wall, one wall being of greater height than the other, said higher wall being nearer the rear of the box than the other wall and being downwardly recessed to form a plurality of seats for receiving and detachably supporting the plurality of crayons at the annular grooves, the forward lower wall being recessed to help locate and support the holder when applying it to the base of one of the crayons, the spacing between the rear support wall and the rear wall of the box being large enough to receive the projecting crayons, and the arrangement being such that the crayons may be interchangeably added to or removed from the holder without manual contact with the crayons.

2,497,951
MOLD FOR SLIDE FASTENERS

Richard Low, Newark, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey

Application March 3, 1945, Serial No. 580,801
14 Claims. (Cl. 18—36)

1. A molding apparatus for molding slide fastener elements directly onto a tape, comprising a main two-part mold provided with mating tape seats and slide fastener element cavities mating in the parting plane of the mold, the tape seats being adapted to receive tapes fed in the parting plane of the mold, said mold being provided with runners leading to said cavities and lying in the parting plane of the mold, the said mold having a subrunner located in a plane of the mold different from the parting plane thereof and a riser connecting the subrunner to the runner, the molding material being adapted to be flowed into the subrunner, thence to the riser, the runners and the element cavities, the said mold including a mold member in one of said

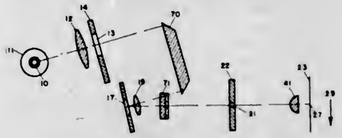


mold parts covering said subrunner during a molding step, whereby the flowing of the molding material and the feeding of the tapes are out of intersecting relation, the said mold member being arranged to uncover the subrunner after the molding step for stripping from the mold the tape, the molded fastener elements and the material molded in the runners, the riser and the subrunner.

2,497,952
VARIABLE DENSITY RECORDING OPTICAL SYSTEM

John A. Maurer, Jr., New York, N. Y., assignor to J. A. Maurer, Inc., Long Island City, N. Y., a corporation of New York

Application November 21, 1944, Serial No. 564,451, which is a division of application Serial No. 349,515, August 2, 1940. Divided and this application October 31, 1946, Serial No. 706,929
3 Claims. (Cl. 88—24)



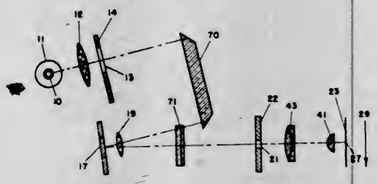
1. In a variable density recording optical system, the combination of light beam defining means which include a light source and a screen with an opening whose horizontal extension varies in a vertical direction, said opening being uniformly illuminated by said light source; a recording point past which a film may move in a substantially vertical direction; a mirror adapted to vibrate about a horizontal axis, said light beam being deflected by said mirror so as to have a part which is incident from said opening upon said mirror, and a part which is reflected from said mirror towards said recording point; and a cylindrical lens placed between said screen and said mirror and between said mirror and said recording point, said cylindrical lens having its cylinder axis vertical and being traversed by said incident and reflected parts; said opening and said mirror being conjugate with respect to said cylindrical lens on said incident part, and said mirror and a position other than said recording point being conjugate with respect to said cylindrical lens on said reflected part.

2,497,953

IMPULSE RECORDING OPTICAL SYSTEM

John A. Maurer, Jr., New York, N. Y., assignor to J. A. Maurer, Inc., Long Island City, N. Y., a corporation of New York

Application November 21, 1944, Serial No. 564,453, which is a division of application Serial No. 349,515, August 2, 1940, now Patent No. 2,437,470, dated March 9, 1948. Divided and this application July 24, 1947, Serial No. 763,193
4 Claims. (Cl. 88—24)



1. In an impulse recording optical system, the combination of light beam defining means which include means for forming a light spot of vertically graded light flux; a recording point past which a film may move in a substantially vertical direction; a mirror adapted to vibrate about a horizontal axis, said light beam being deflected by said mirror so as to have a part which is incident from said light spot upon said mirror, and a part which is reflected from said mirror towards said recording point; means placed between said mirror and said recording point, and forming a horizontal slit; a cylindrical lens placed between said light spot and said mirror and between said mirror and said slit forming means, said cylindrical lens having its cylinder axis vertical and being traversed by said incident and reflected parts; first imaging means placed in front of said mirror, and acting in the vertical plane; second imaging means placed between said slit forming means and said recording point, and acting in the horizontal plane; and third imaging means placed between said second imaging means and said recording point, and acting in only the vertical plane: said light spot and said mirror being conjugate with respect to said cylindrical lens on said incident part, said mirror and a position beyond said recording point being conjugate with respect to said cylindrical lens on said reflected part, said light spot and said slit being conjugate with respect to said first imaging means, said position and said recording point being conjugate with respect to said second imaging means, and said slit and said recording point being conjugate with respect to said third imaging means.

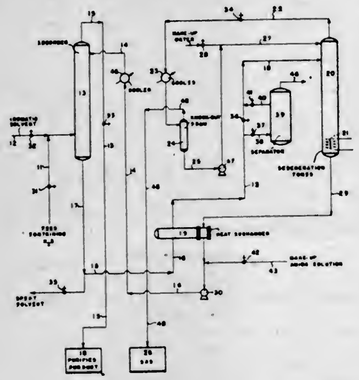
2,497,954

METHOD FOR REMOVING EMULSIFYING AGENTS FROM AMINE SOLUTION

John H. McCulley, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application October 3, 1947, Serial No. 777,835
8 Claims. (Cl. 196—32)

1. A method of removing acid gases from hydrocarbon gas containing them which comprises contacting said acid-containing hydrocarbon gas with an aqueous solution of an ethanol amine in admixture with a small amount of an aromatic hydrocarbon boiling in the range from 175° to 600° F., separating hydrocarbon gas substantially free of acidic constituents from said aqueous solution and recovering same, withdrawing aqueous solution in admixture with aromatic hydrocarbon, separating said aromatic hydrocarbon from



said aqueous solution, heating said separated solution to remove acidic gases therefrom, cooling said heated aqueous solution, and returning it to contact additional amounts of said acid-containing hydrocarbon gas.

2,497,955

IMINOESTER RESINS

Warren D. Niederhauser, Philadelphia, and Herman A. Bruson, Rydal, Pa., assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 21, 1946, Serial No. 649,392
2 Claims. (Cl. 260—72)

1. The process of preparing resinous materials which comprises condensing together two molar proportions of glycerol, three molar proportions of decamethylene diamine, and six molar proportions of 2-(beta-carboxyethyl)-2-ethylhexaldehyde in successive steps consisting of condensing the glycerol with the 2-(beta-carboxyethyl)-2-ethylhexaldehyde at a temperature between 80° C. and 200° C. and reacting the resulting condensate with said diamine by heating them together at 150° C. to 300° C.

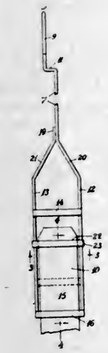
2,497,956

TIRE STRAP PULLER

Raymond M. Owen, Jr., Greenwich, Conn.

Application July 1, 1946, Serial No. 680,566
3 Claims. (Cl. 81—15.8)

1. A tire strap puller comprising an elongated pull connection for pulling about a tire and having parallel side portions at the trailing end of the same spaced apart a distance slightly greater than the width of a tire strap and thereby adapted to have the leading end of a tire strap inserted therebetween, a cross bar connecting the ends of said spaced-apart portions, a second cross bar connecting said spaced-apart portions spaced from the ends of said spaced-apart portions and over which the end of an inserted strap may be bent and a slide bar longitudinally shiftable along the side portions adjacent the edge of said second cross bar which is remote from the end of said side portions and thereby adapted to be slid over the end of a strap bent over the second



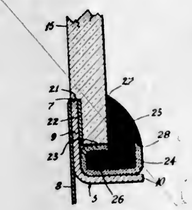
cross bar to confine the strap in its position engaged between the side portions.

2,497,957

WINDOW FRAME

Perry H. Pelley, Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware

Application April 5, 1946, Serial No. 659,762
1 Claim. (Cl. 189—78)



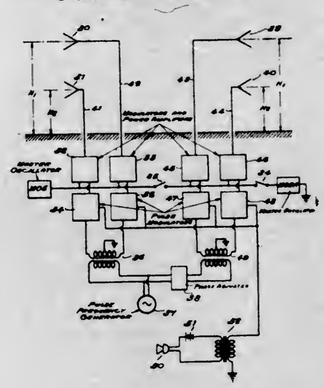
A window frame construction for window openings of various curvatures and comprising a light, rigid frame of L-shaped cross section having an upstanding flange curved to fit the curvature of the surface surrounding a window opening and an outstanding flange projecting laterally therefrom to form a support, a channel strip of semi-rigid material conformed to the curvature of the rigid frame and seated in the angle of said L-shaped cross section frame in abutting engagement with both the upright and the laterally projecting flanges of the rigid frame, a window pane engaged against the upright flange of the L-shaped cross section frame over said channel strip, said semi-rigid channel strip having inner and outer flanges defining the channel therein and the inner one of said flanges being overturned over the channel and substantially flat to form a seating surface for the edge of the window pane overstanding the same and a window retaining strip of ductile material engaged in said channel strip and having a rib engaged beneath said overturned inner flange of the channel strip, a shoulder bearing on the outer flange of the channel strip and an upstanding portion bearing against the inner face of the window pane.

2,497,958

COMMUNICATION SYSTEM FOR ULTRASHORT RADIO WAVES

Harold O. Peterson and Bertram Trevor, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application May 21, 1942, Serial No. 443,932
8 Claims. (Cl. 250—17)



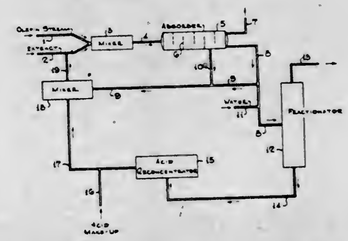
8. In a radio frequency system, the steps of alternately producing radio frequency carrier signals of two different frequencies in the form of consecutive pulses of given time duration, and modulating said carrier pulses in accordance with a modulating signal.

2,497,959

ALCOHOL PROCESS

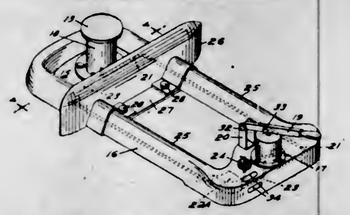
Richard F. Robey, Cranford, and Salvatore G. Gallo, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application June 7, 1947, Serial No. 753,346
15 Claims. (Cl. 260—639)



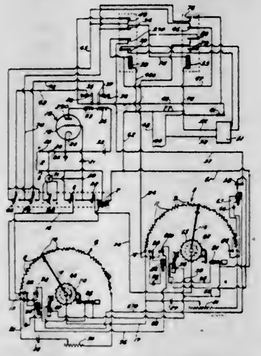
1. A process of producing a strong acid liquor extract by the absorption of an isomerous mono-olefinic hydrocarbon mixture containing predominantly normal olefins and tertiary base olefins in a strong acid without substantial polymerization of the tertiary base olefins which comprises adjusting the ratio of normal olefins to tertiary base olefins present in the isomerous mono-olefinic hydrocarbon mixture to a ratio of 2.5 to 10:1 and contacting the hydrocarbon mixture containing olefins in said ratio with a strong acid extract of at least unit saturation prepared by absorbing the equivalent of at least one mol of isomerous normal mono-olefin per mol of acid.

2,497,960
VEHICLE JACK
John J. Salzmann, Philadelphia, Pa.
Application October 22, 1947, Serial No. 781,395
4 Claims. (Cl. 254—88)



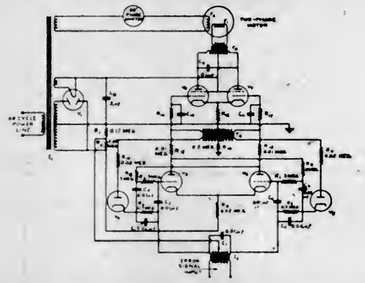
1. A vehicle jack comprising a vertically movable lifting member for engaging the understructure of a vehicle, a base member for supporting said lifting member, said base member comprising a pair of rails spaced to engage the periphery of a vehicle wheel thereon definitely to locate the axis of said lifting member at a desired position longitudinally of the vehicle, and a wheel guide adjustable along said rails definitely to locate the axis of said lifting member at a desired position transversely of the vehicle.

2,497,961
ELECTRICAL MEASURING DEVICE
Joseph D. Shaw, Cincinnati, Ohio
Application January 17, 1946, Serial No. 641,696
4 Claims. (Cl. 171—95)



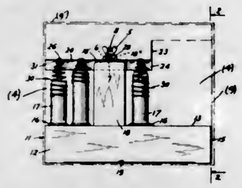
1. An electric measuring device comprising a source of unknown voltage, a stepping relay having a number of resistors of predetermined and uniform values connected in series, a tap connected to the end of each resistor, and including a zero tap, said zero tap being connected to one terminal of the unknown voltage, a movable switch arm adapted to successively engage the taps, a source of known voltage connected across the series of resistors to constitute the known voltages applied by the stepping relay and opposition circuit to the unknown voltage, actuating means for the arm, relay means interposed in the opposition circuit between the switch arm and the remaining terminal of the unknown voltage and responsive to an unbalance in said circuit, means connecting the relay means with the arms actuating means to change the value of potential difference applied by the stepping relay, a polarity reversing relay in the opposition circuit, and means actuated by the zero tap contacting position of the stepping relay arm for operating the polarity reversing relay.

2,497,962
ELECTRONIC AMPLIFIER FOR SERVO DEVICES
Francis H. Shepard, Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York
Application November 18, 1944, Serial No. 564,112
9 Claims. (Cl. 318—30)



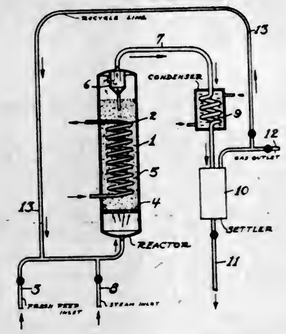
1. In a servo device comprising a director, a follower, and a thermionic amplifier, and having means for applying a signal from said director to the input of said thermionic amplifier, means for driving the follower by the output of said thermionic amplifier to remove said signal, and said thermionic amplifier having a pair of thermionic vacuum tubes each having an anode, a cathode and a grid, means for applying said signal to said grids in push-pull relation, means for applying alternating current across the anodes and cathodes of said tubes in parallel, a rectifier connected in circuit with the grid of each of said vacuum tubes, and means whereby a positive phase of input signal to one of said grids increases the alternating current voltage between said grid and its cathode and decreases the bias voltage of said grid in proportion to the integral of the output of said amplifier.

2,497,963
ATTACHMENT FOR RADIO SETS
Benjamin Singer, Brooklyn, N. Y., assignor to Teletone Radio Corporation, New York, N. Y., a corporation of New York
Application January 2, 1947, Serial No. 719,685
8 Claims. (Cl. 250—16)



7. An attachment for radio receiving sets having a cabinet housing a chassis upon which are mounted the radio tubes and container for an intermediate-frequency transformer unit, said attachment comprising a metallic plate dimensioned and configurated to overlie all of said tubes and container and secured to the top of the container, said attachment plate having a depending flange along a longitudinal edge abuttable with the side of the container and an uprising flange at a transverse edge underlying the top wall of said cabinet, and a plurality of springs secured to the underside of the plate in encircling relation to the said tubes.

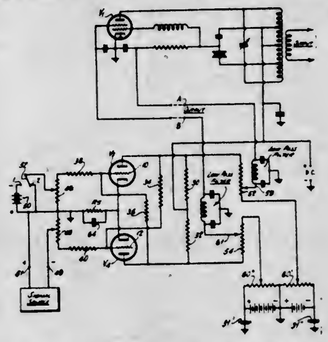
2,497,964
SYNTHESIS OF HYDROCARBONS
Simpson D. Sumerford, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 20, 1946, Serial No. 685,012
1 Claim. (Cl. 260—449.6)



In the production of valuable liquid products by the interaction of carbon monoxide and hydrogen in the presence of a fluidized finely divided iron type catalyst with which the reactants are contacted at a temperature between about 500° and 700° F. and under a pressure of the order of 400–600 lbs./sq. in., the step of maintaining in the catalyst an oxygen content between about 5% and about 30% by weight by injecting into the reactor a quantity of steam ranging from about 0.05 to 0.8 part by volume of steam per part of hydrogen in the total feed.

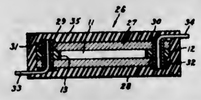
2,497,965
ELECTRONIC KEYING CIRCUIT WITH ONE NEGATIVE AND ONE POSITIVE VOLTAGE OUTPUT
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1944, Serial No. 535,829
2 Claims. (Cl. 250—27)

1. In a system of the nature described, a source of electrical energy the strength of which varies, a pair of electron discharge systems each including an electron source, an electron receiving electrode and an electron flow control electrode, an impedance connected between the electron receiving electrodes, connections for applying a potential through a tap on said impedance to the electron receiving electrodes, two other impedances each having one terminal connected to one of the electron receiving electrodes, connections to the remaining terminals of said two other impedances for applying to one thereof a negative potential and to the other thereof a positive potential, an output lead coupled to each of said other impedances to supply two potentials which are each a combination of said first named potential and one of said second named potentials, and impedances cross-connecting the electron flow control and electron receiving electrodes, the arrangement being such that when current flows through one of said discharge systems the other



is cut off and vice versa to alternately and differentially vary the said first mentioned potential on the electron receiving electrodes to correspondingly vary the supplied potentials when control potentials are applied to at least one of said discharge systems.

2,497,966
CRYSTAL HOLDER
Lester C. Via, Carlisle, Pa., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa., a corporation of Pennsylvania
Application January 26, 1946, Serial No. 643,773
19 Claims. (Cl. 171—327)

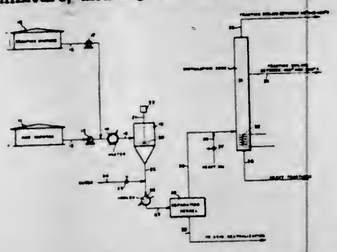


1. An oscillator comprising an open frame-like one-piece insulator, a piezoelectric oscillator in the opening in said insulator of less thickness than the thickness of said insulator, a rigid electrode against each face of said insulator, said insulator on its faces and said electrodes on their inner faces lapped for a close flat fit of such faces of the electrodes on the faces of the insulator, and means clamping said electrodes and insulator together.

2,497,967
REMOVAL OF OXYGENATED COMPOUNDS FROM SYNTHETIC NAPHTHAS
Edward F. Wadley, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 17, 1947, Serial No. 792,249
8 Claims. (Cl. 260—450)

1. A method for removing oxygenated organic compounds from a hydrocarbon fraction containing them which comprises subjecting a hydrocarbon fraction containing alcohols, aldehydes, organic acids, esters and ketones to contact with a treating reagent comprising a hydrocarbon fraction boiling in the lubricating oil boiling range, an alkali metal sulfonate and an alkali metal hydroxide at an elevated tempera-

ture substantially above atmospheric for a time sufficient for reaction of said treating reagent with said oxygenated compounds to form a reaction mixture, diluting the reaction mixture with



an aqueous medium, cooling the diluted reaction mixture, separating the cooled reaction mixture into an oil phase and a water phase, and recovering from said oil phase a hydrocarbon fraction substantially free of oxygenated compounds.

2,497,968

PROCESS OF MAKING A POLYESTER

David W. Young, Roselle, and Julius P. Rocca, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 6, 1945, Serial No. 587,022

1 Claim. (Cl. 260—410.6)

The process which comprises reacting a substantially pure methyl dilinoleate with decamethylene glycol in the presence of about 0.3 to 1.0% of zinc dilinoleate having a molecular weight of about 1,000, at a temperature of about 180° C. to 220° C. for a sufficient reaction time to produce a high molecular weight polyester.

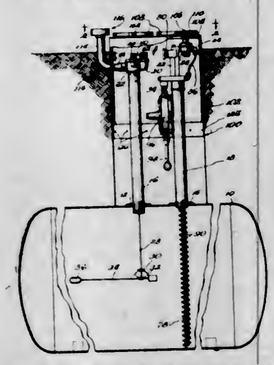
2,497,969

LIQUEFIED GAS DISPENSING APPARATUS

Olaf R. Anderson, Chicago, Ill., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application June 7, 1940, Serial No. 339,218

6 Claims. (Cl. 62—1)



3. An apparatus for supplying a fuel of substantially uniform composition and at a low pressure from a mixture of liquid hydrocarbons, said apparatus comprising an underground tank having an opening therein, conduit means extending from said tank to a place where the fuel is consumed, and means for regulating the flow of fuel through said conduit; said conduit including a section extending through said opening having a portion arranged to be normally covered by the body of liquid fuel in the tank and having its inlet adjacent the bottom of said tank, a second section extending through said opening connected to said first section and having a substantial portion thereof in close proximity to and coiled about that portion of the first section disposed within the tank, said last mentioned portion being bodily movable through the opening in said tank, and a third section communicating with the second section and terminating near the place of fuel consumption; said control means including a pressure reducer arranged between the first and second sections of said conduit and a second pressure reducer arranged in the third mentioned section to control the flow of fuel through the latter.

2,497,970

INTERNAL-COMBUSTION ENGINE POWER PLANT

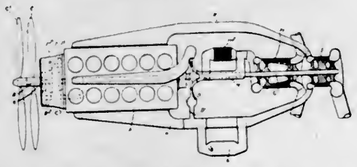
Benjamin William Barlow, Wembley, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain

Original application September 24, 1946, Serial No. 698,902. Divided and this application February 20, 1948, Serial No. 9,738. In Great Britain November 23, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires November 23, 1964

3 Claims. (Cl. 170—135.28)



1. A power plant comprising in combination an internal combustion engine operating on the two-stroke cycle and arranged to utilize air in the charge considerably in excess of that required for combustion, a propeller at one end of said engine and driven thereby, a centrifugal compressor at the other end of said engine and driven thereby which constantly supplies air to the engine, a turbine driven by the gases produced in the engine, an axial flow compressor at the same end of the engine as the centrifugal compressor, which is driven by the turbine and while the turbine is operative constantly delivers supercharging air for the engine to the engine-driven centrifugal compressor, and a propeller driven by the turbine mounted adjacent to and coaxially with the engine-driven propeller, said propellers being arranged to rotate in opposite directions.

2,497,971

SEPARATION OF PHENOLS

Horace Andrew Basterfield, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 19, 1945, Serial No. 600,406. In Great Britain June 19, 1944

8 Claims. (Cl. 260—624)

1. A process for the separation of 2:4-dimethyl, 6-tertiary butyl phenol from mixtures containing it and 2:5-dimethyl, 4-tertiary butyl phenol which

comprises the steps of treating the mixture with an aqueous solution of a hydroxide of an alkali metal sufficient to dissolve the 2:5-dimethyl, 4-tertiary butyl phenol and separating insoluble 2:4-dimethyl, 6-tertiary butyl phenol from the aqueous liquor containing the dissolved 2:5-dimethyl, 4-tertiary butyl phenol component.

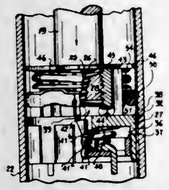
2,497,972

SHOCK ABSORBER CONSTRUCTION

Eugene L. Beecher, Cleveland Heights, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio

Application May 13, 1947, Serial No. 747,695

3 Claims. (Cl. 188—88)



1. In a shock absorber of the direct double-acting type having a cylinder, a piston having a larger portion slidable in said cylinder and provided with peripheral passages extending from end to end of said portion and a smaller portion extending from one end of said larger portion and spaced radially inwardly from said cylinder and provided with a central threaded bore, a packing ring movable on said smaller portion and engaging said cylinder, and spring means on said smaller portion and engaging said ring and urging it against said larger portion to close the said peripheral passages therein; the improvement which comprises a piston rod having an end connected to said piston, said rod being provided with a circular groove spaced from said end and with screw threads extending from said groove to said end and screwed into said threaded bore, a disk-like member having a central threaded opening and screwed over said threaded rod end and into said groove, said member being of such thickness as to be capable of free rotation in said groove, said member when said rod is fully screwed into said threaded bore being clamped against rotation between a wall of said groove and the free end of said smaller piston portion and acting as an abutment for said spring means.

2,497,973

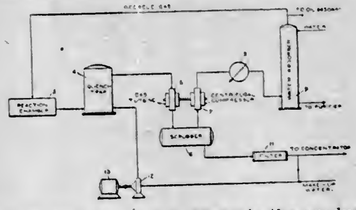
COOLING REACTION GASES

Joseph E. Bludworth, Cumberland, Md., and Meinhard H. Kotzebue, Houston, Tex., assignors to Celanese Corporation of America, a corporation of Delaware

Application November 11, 1944, Serial No. 563,054

3 Claims. (Cl. 260—451)

1. In a process for the partial oxidation of hydrocarbons to produce oxygenated organic products wherein gaseous reaction products are obtained and recovered for commercial use, the steps of quenching the reaction gases with water to reduce the temperature of the gases to a temperature above the dew point of water, passing the quenched gases to a power generating unit so as to cause power to be generated, the gases to be cooled and substantially all of the quench water to be condensed, separating the condensed quench water from the reaction gases, and treating the reaction gases to separate the products of the reaction.



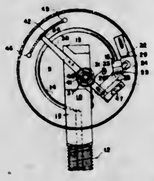
2,497,974

PRESSURE RESPONSIVE RHEOSTAT

Marian E. Bourns, Altadena, Calif.

Application September 27, 1949, Serial No. 118,015

3 Claims. (Cl. 201—48)



1. In a device of the class described, the combination of a Bourdon tube and a potentiometer of the radial slider type, a link member having a long arm and a short arm normal to the general direction thereof, means for adjustably affixing the free end of the link member long arm to the free end of the Bourdon tube with the short arm in a direction substantially corresponding to the perpendicular to the direction of motion of the free end of the Bourdon tube in its center of travel under the influence of pressure variations, an actuator pin affixed to the potentiometer radial slider and adapted to be engaged by the link member short arm, a spring retention member engaging the potentiometer radial slider and exerting a torque thereon to maintain the actuator pin and link short arm in sliding contact, whereby said Bourdon tube angularly moves said potentiometer radial slider due to a change in pressure and said spring retention means restores the position of the potentiometer radial slider due to an opposite change in pressure.

2,497,975

TIRE CHAIN APPLYING DEVICE

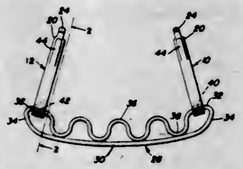
Albert L. Bozzelli, Bangor, Pa., assignor of twenty-five per cent to Vincent Angelino and twenty-five per cent to Firsty De Thomas, both of Bangor, and twenty-five per cent to Michael De Lesio, Roseto, Pa.

Application October 15, 1947, Serial No. 779,886

2 Claims. (Cl. 81—15.8)

2. A tire chain applying device comprising a pair of resilient cross members frictionally engaging the outer periphery of a tire, means carried by said members for supporting the ends of a tire chain, and an arcuate member terminally secured to the midportions of the cross members for engaging a cross chain of a tire chain, said arcuate member including an inner plate and an outer plate opposing the inner plate, said plates being connected at their outer ends, said inner

plate having an undulated portion for engaging a cross chain of a tire chain, said undulated por-



tion being fixed to the midportions of said cross members.

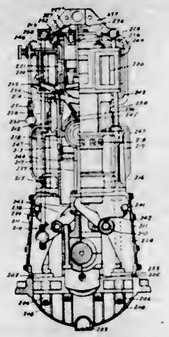
2,497,976
REVERSIBLE COOKING UTENSIL
Roi Burley, St. Paris, Ohio
Application September 20, 1946, Serial No. 698,310
1 Claim. (Cl. 126—376)



In a cooking utensil comprising a cylindrical shell disposed upright and having both ends open, a first container telescopically disposed in one end of the cylindrical shell, and a curved outwardly projecting top flange on the container serving to receive the upper edge of said cylindrical shell, the features which include a flat wall in said container disposed substantially midway between the ends of said shell, a second container telescopically disposed in the other end of said shell in inverted position, a curved outwardly projecting bottom flange on the second container serving to receive the lower edge of said shell, and a flat wall upon said second container disposed substantially midway between the ends of said shell and being in coextensive contact with the bottom of said first container, both containers being similar, substantially equal in form and dimensions and individually usable according to which end of the shell is uppermost.

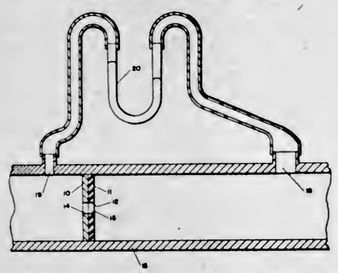
2,497,977
TWO-CYCLE SCAVENGING ENGINE
Thomas G. Carrie, Montreal, Quebec, Canada
Application March 16, 1948, Serial No. 15,113
4 Claims. (Cl. 123—65)

4. An internal combustion engine, comprising, a cylinder block, a cylinder head mounted on said cylinder block, a cylinder within said cylinder block, a valve chamber having a smaller diameter than the cylinder and mounted in alignment therewith, in said cylinder head, exhaust headers within said cylinder head one at each side of said valve chamber, exhaust ports leading directly from said valve chamber to said exhaust headers, a scavenging air manifold within said cylinder block, scavenging ports leading directly from said scavenging air headers to said cylinders, said piston including a wrist pin, a crank shaft having a crank, a connecting rod forming an operative connection with said wrist pin and said crank, said connecting rod having a portion surrounding said wrist pin and provided with outwardly extending parts constituting journals for the drag links, a pair of rocker arms fulcrumed on said frame, each of said rocker arms being connected at one end to one of said side rods, and a drag link connecting the other end of each rocker arm to one of said outwardly extending parts, the top portion of the piston valve cham-



ber being connected with the scavenging air manifolds whereby the piston valve acts as an auxiliary air compressor.

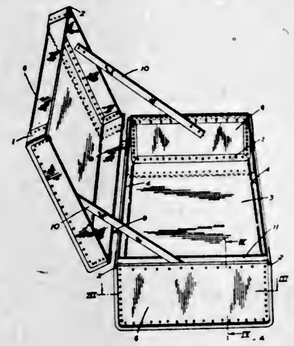
2,497,978
ORIFICE PLATE
Henning Maurice Carlson, Columbus, Ohio, assignor, by mesne assignments, to Bituminous Coal Research, Inc., Pittsburgh, Pa., a corporation of Delaware
Application January 12, 1946, Serial No. 640,933
3 Claims. (Cl. 138—44)



1. A flow-regulating device for fluid systems through which a mixture of gas and finely divided solid particles flows, comprising in combination with a substantially unrestricted flow passage, a flow-restricting device disposed in the flow passage and including a rigid plate positioned across the passage, said rigid plate having a flow opening therein, and a rubber-like facing disposed on the side of said rigid plate which is toward the direction of flow whereby to provide a surface from which the solid particles will rebound, said rubber-like facing having a flow opening therethrough coincidental with and of substantially the same size as the flow opening through said rigid plate.

2,497,979
CONSTRUCTION OF SUIT AND LIKE CASES
Albert Bertram Cole and Sydney Harry Cole, Holborn, London, England
Application June 14, 1946, Serial No. 676,807
In Great Britain July 10, 1945
1 Claim. (Cl. 190—24)

A suitcase construction comprising a body section and a cover section hinged thereto, each section including an integral U-shaped member of thin, sheet material forming a bottom and two opposite side walls; a pair of panels to form end walls; a pair of assembly elements for uniting said U-shaped member and panels into a unitary structure, one of said assembly elements being disposed at each end of said body section, each assembly element comprising a single ply continuous strip of material U-shaped in end elevation, said element having two legs arranged substantially at right angles to one another in cross section, one of the legs being offset laterally from the connecting edge of the other leg and



spaced therefrom by a bend forming a channel on one face of said continuous strip and a recess on the other face thereof: the opposite ends of said U-shaped body section being fitted into the channel of the respective assembly elements and secured thereto by fastening means; one of said panels being fitted into the recess formed by the offset leg and bend of each respective assembly element, and secured thereto by fastening means; straps extending across the body section and connecting the adjacent legs of the respective assembly elements, and straps extending across each assembly element and connecting the offset legs thereof.

2,497,980
DROP COUNTING CLOSURE FOR BOTTLES AND THE LIKE
João da Veiga Soares, Rio de Janeiro, Brazil
Application December 6, 1948, Serial No. 63,836
3 Claims. (Cl. 222—209)



1. In a closure of the character described the combination with the neck of a container provided with spaced annular ribs and with a transverse opening through the neck between the ribs of a resilient nipple-like closure, including an outer dome portion and a neck portion provided with internal grooves for telescopic engagement about the ribbed neck of the container body for snugly fitting the latter and capable of being turnable thereon, and an outlet beak extending laterally from the closure neck for alignment at times with the transverse opening in the container neck so that on inverting of the container the dome-like outer portion of the closure element will act in the nature of a pump for dispensing the contents drop by drop through the opening when aligned with the beak while on turning the closure element the neck portion of the closure element adjacent the beak serves to close the opening.

2,497,981
MICROSCOPIC VERNIER READER
Armand Antoine Auguste Agénor de Grasmont, Levallois-Perret, France, assignor to Optique et Precision de Levallois, Levallois-Perret, France, a French company
Application May 20, 1946, Serial No. 671,075
In France February 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 9, 1962
4 Claims. (Cl. 88—1)

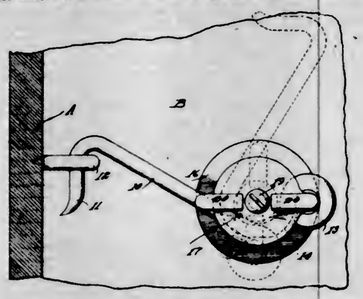


1. An optical graduation reader for viewing a relatively fixed scale, said reader comprising a unit adapted to move along the scale and including a microscopic reader forming an image of the fixed scale, a composite prism arranged to reflect the scale image, an annular member rotatable on the unit and having a circular series of graduations thereon disposed concentrically with respect to the optical axis of the rays reflected by said prism and forming the scale image, a cam operated by the annular member, index mark means disposed in the field of view and operatively connected with the cam so as to be displaceable with relation to the reflected scale image and moved proportionately to the degree of rotation of the cam, and a fixed index mark carried by the unit and co-acting with the graduations for indicating the extent of angular movement of the annular member required to bring the displaceable index mark means into substantial coincidence with the reflected scale image.

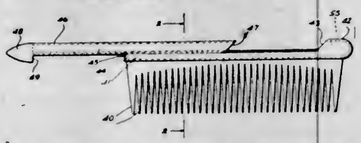
2,497,982
LOCK FOR DOORS AND WINDOWS
Mark R. Deyo, Peoria, Ill.
Application February 1, 1946, Serial No. 644,811
1 Claim. (Cl. 292—113)

A latch comprising a spool-like rotor, a screw adapted to pass through the core of the rotor to engage a closure member, a wrist pin eccentrically and transversely mounted on said rotor, a hook member for engaging a keeper and pivotally mounted on said wrist pin, a bend in the hook member for the seating of the rotor there-

in when rotating in one direction and underslung when the said member is engaged with the keeper, and finger grips carried by the rotor for manual turning thereof.



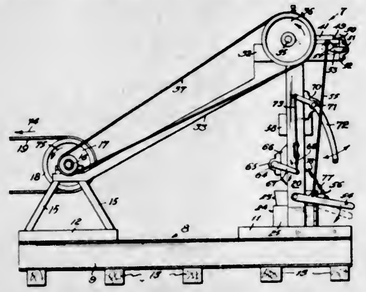
2,497,983
COMB
Anthony J. Fabis, Chicago, Ill.
Original application May 24, 1946, Serial No. 671,971. Divided and this application August 26, 1947, Serial No. 770,646
2 Claims. (Cl. 132—79)



1. In a comb comprising an elongated back and a plurality of teeth extending from the bottom thereof, a receptacle formed in said back and comprising a longitudinally extending and substantially semi-cylindrical groove open at the top formed in the top of said back and a substantially cylindrical recess formed in said back at one end of said groove, said recess being closed at one end and opening into said groove at the other end, the free edges of the open end of said recess being downwardly beveled to merge with the free upper edges of said groove at an obtuse angle, a substantially vertical wall closing the other end of said groove, a cover for said groove, said cover being formed with a substantially semi-cylindrical groove complementary to said first groove and adapted to form therewith a substantially cylindrical continuation of said recess, said cover having open end edges complementary to those of said recess and adapted to abut thereagainst in end to end relation, the free edges of said grooves being formed with complementary interfitting tongues and grooves connecting said cover and back together for relative sliding movement longitudinally of said back, and a closure for the other end of said cover groove, said closure including an elongated knob providing a hand grip for actuating said cover.

2,497,984
SHEET METAL BUNDLING MACHINE
James Ferrando, South Leechburg, Pa.
Application June 11, 1948, Serial No. 32,481
2 Claims. (Cl. 153—10.5)

1. A machine for flattening scrap metal comprising a platform, a pair of upstanding posts supported on and rising from the platform, a hopper having an open top supported on the platform and secured thereto between the lower ends of the posts, a ram slidably guided by said posts for movement toward and away from the hopper and platform and into and out of the hopper, a top frame supported on the upper ends of the posts, a driven shaft journaled in the top frame, a pair of bearings slidably supported on said top frame for movement toward and away from the driven shaft, an idler shaft journaled in said bearings, a friction roller fixed to each of said shafts, a shank projecting upwardly from said ram between the rollers, spring means for normally urging the bearing and idler shaft away from the driven shaft for normally retaining said rollers out of frictional engagement with the ram shank, manually actuated means for displacing said bearings and idler shaft toward the driven shaft for positioning the rollers in frictional engagement with the ram shaft, gear means connecting said shafts for causing the shafts to revolve with the rollers in opposite directions for drawing the

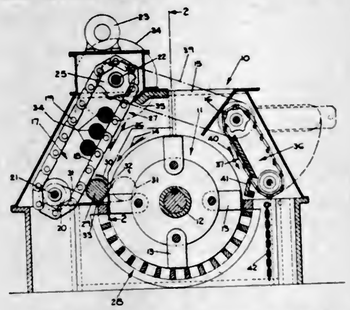


ram shank upwardly therebetween when the shank is frictionally engaged by the rollers for elevating the ram, said manually actuated means being releasable for releasing the ram shank from frictional engagement with the rollers at any desired level of the ram to permit the ram to drop by gravity into the hopper, said hopper being adapted to contain scrap metal to be mashed and flattened by the impact force of the ram, latch means swingably mounted in said posts and normally disposed in retracted, inoperative position, and manually operated means for swinging said latch means into the space between the posts for engaging under and supporting the ram in a partially elevated position and above the open top of said hopper to afford access to the open top of the hopper for filling it with scrap metal, said latch means being positively retained in an operative engagement with the ram by the weight of the ram supported thereon until the ram is elevated by manual operation of said manually actuated means for positioning the rollers in frictional engagement with the ram shank.

2,497,985
HAMMER MILL WITH TRAVELING BREAKER PLATE
John T. Fowler, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application November 18, 1944, Serial No. 564,014
3 Claims. (Cl. 241—187)

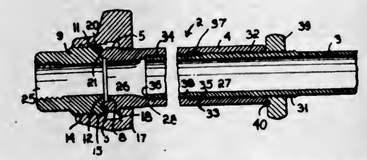
3. In a crusher, the combination with a frame forming a housing having a top feed opening, of a material crushing rotor therein, an arcuate screen adjacent the bottom portion of said rotor,

an upwardly and inwardly inclined endless chain breaker plate near the top of said rotor on one side but spaced therefrom and spaced from said top feed opening, and means comprising a roll



interposed between the bottom of said chain breaker plate and said screen to close the gap between them, the inner portion of said means being adjacent the outer path of travel of said crushing rotor.

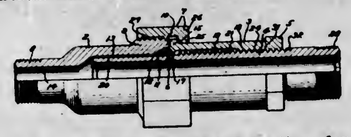
2,497,986
ADJUSTABLE PIPE CONNECTION
Joseph H. Goode, Houston, Tex.
Application June 30, 1947, Serial No. 758,156
3 Claims. (Cl. 285—2)



1. In a coupling, the combination of, a female member having a flow passage through a first end thereof communicating with a socket of larger than flow passage diameter terminating in an internally threaded other end, a male member having a passage therethrough of substantially the diameter of said flow passage and having an externally threaded central section and a reduced outer diameter end portion of substantially the thread root diameter of said externally threaded section to extend within said socket when said threaded other end and said threaded section are in engagement, a seal ring surrounding said end portion and compressed thereagainst by said female member to seal against pressure fluid passing outwardly between said threaded sections, a conduit member having an end surface opposed to the end surface of said female member first end, and clamping means for connecting said conduit member end surface and said female member first end into sealing engagement.

2,497,987
ADJUSTABLE CONNECTION FOR PIPES
Joseph H. Goode, Houston, Tex.
Application September 10, 1948, Serial No. 48,592
6 Claims. (Cl. 285—122)

1. In a coupling, the combination of, a hollow, internally threaded, female member, a conduit member having a flow passage therein communicating with a socket of larger diameter terminating in an annularly grooved end, a deformable seal in said groove and extending inwardly therefrom, clamping means movable relative to said members for connecting said members in end face abutment adjacent said groove, and a hollow male member providing a flow passage of substantially conduit flow passage diameter

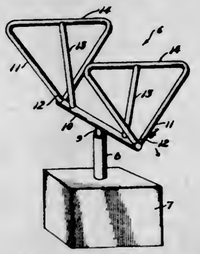


having an externally threaded section for engagement with the internal threads of said female member and having a portion of an outer diameter to extend into said socket and to deform said seal into space between said portion and said socket.

2,497,988
INDIUM PLATING
David Frederick Green, Ealing, London, and John Ernest Salmon, London, England, assignors to Vandervell Products Limited, London, England
No Drawing. Application July 11, 1945, Serial No. 604,524. In Great Britain May 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 22, 1963
6 Claims. (Cl. 204—45)

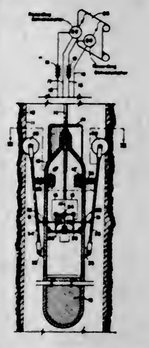
1. An aqueous indium cyanide dextrose electrolytic bath for electrodepositing indium consisting of from 5 to 40 grams per liter of indium, 5 to 40 grams per liter of dextrose with a ratio by weight of dextrose to indium of 1 to 1, a cyanide of the group consisting of sodium cyanide and potassium cyanide of from 1 to 5 times the weight of indium present and the corresponding hydroxide of the above cyanide in quantities of from 6 to 135 grams per liter.

2,497,989
TURNTABLE
Hugh B. Hall, Opelika, Ala.
Application August 24, 1946, Serial No. 692,777
1 Claim. (Cl. 248—131)



A turntable comprising in combination, a body forming a base, an upright tube secured in and projecting upwardly from said base, a shaft rotatably positioned in said tube, a cross bar secured medially of its length to the upper end of said shaft, lengths of rod angulated to form inverted, substantially triangular end-pieces, each of said end-pieces being secured at the apex thereof to one end of said cross bar, the upper portion of said rods being horizontally disposed and constituting carrier arms, and diagonally extending struts between each of said arms and said cross bar.

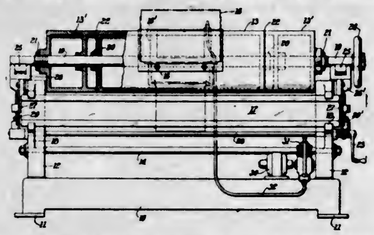
2,497,990
APPARATUS FOR LOGGING BOREHOLES
Theodore A. Huber and George E. Cannon, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application November 30, 1946, Serial No. 713,202
1 Claim. (Cl. 33—174)



An apparatus for determining the thickness of a mud sheath deposited on a portion of the wall of a borehole penetrating subsurface formations, comprising a body adapted to be lowered into the borehole, a first pair of spaced arms pivotally mounted on said body and presenting a knife edge capable of penetrating the mud sheath, biasing means arranged to bias the arms outwardly to force said arms through the mud sheath and into contact with the faces of the formations penetrated by the borehole, a second pair of spaced arms pivotally mounted on said body and presenting a surface area incapable of penetrating the mud sheath, biasing means arranged to bias outwardly the said second pair of arms and maintain them in contact with the exposed face of the mud sheath, a first indicating system operatively connected with the first pair of arms for producing an indication which is a function of the lateral extension of the first pair of arms and hence the true diameter of the borehole and a second indicating system operatively connected with the second pair of arms for producing an indication which is a function of the lateral extension of the second pair of arms and hence the apparent diameter of the borehole.

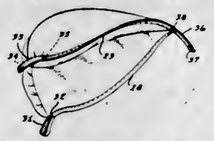
2,497,991
PHOTOGRAPHIC CYLINDRICAL COMPOSING APPARATUS HAVING AUXILIARY SUPPORTS
William C. Huebner, New York, N. Y.
Application May 2, 1947, Serial No. 745,581
5 Claims. (Cl. 95—76)

1. A composite cylinder for printing preparation in cylindrical surface composing machines comprising, in combination, a main cylindrical section of printing cylinder length, a photosensitive layer over the cylindrical section, whereby photographic negatives being printed thereon in marginal areas thereof overlap the ends of the cylinder, an auxiliary cylindrical section shorter than but of equal diameter with the main cylindrical section concentrically abutting an end of the main cylindrical section and of sufficient length to accommodate the overlap of printing negatives resting on the main cylindrical section, a supporting trunnion carrying the main cylindrical section and the auxiliary cylindrical section, and clamping means rotatable with said supporting trunnion to maintain the abutting



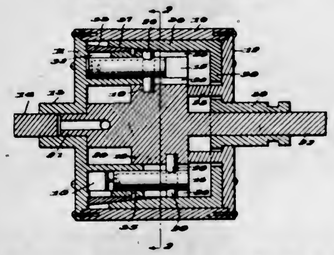
relationship between the main cylindrical section and the auxiliary section.

2,497,992
SHOULDER PAD
Innocenza S. Jacques, St. Louis, Mo.
Application December 16, 1947, Serial No. 791,954
1 Claim. (Cl. 2—268)



A shoulder pad comprising an upper pair of substantially semi-teardrop shaped members secured together on the long arc thereof, a lower pair of semi-teardrop shaped members connected together on the long arc thereof, a pair of tapes secured to and connecting the outer edges of said upper and lower members together, a padding within the cover, flexible extensions carried by said tape, and complementary fastening members carried by said tape adjacent the end of said members and said extensions at the ends thereof whereby said extensions may be reverted to provide attaching loops for securing the pad to a garment.

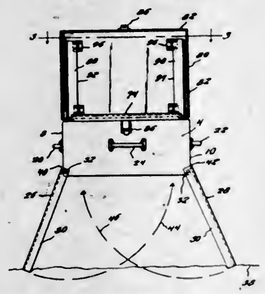
2,497,993
AXIALLY MOVABLE PISTON TYPE HYDRAULIC CLUTCH
Herbert A. James, Philadelphia, Pa.
Application January 30, 1946, Serial No. 644,382
5 Claims. (Cl. 192—59)



1. In a power transmission, a casing, a series of cylinders in said casing having ports therein, a drum rotatably mounted within the casing and having a cam groove therein, valved pistons in said cylinders, pins carried by said pistons engaging in said groove, said casing forming a chamber communicating with the cylinder ports,

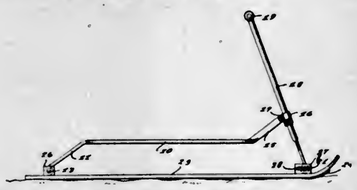
said series of cylinders and said casing being arranged to provide an annular space there between, and means mounted for combined radial and axial movement in said space for variably regulating the passage of fluid between said ports and said chamber.

2,497,994
STOVE
Richard H. Jones, St. Louis, Mo.
Application March 12, 1946, Serial No. 653,770
1 Claim. (Cl. 126—9)



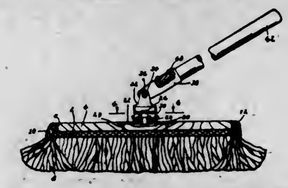
A portable and collapsible stove comprising a box-like main body and an inverted pan-shaped cover hinged to the back of said main body to swing upwardly from collapsed and covering relation to the top of said main body to a vertical open position, the top of said main body comprising inwardly directed flange means defining a firepot opening, a firepot suspended from said flange means within said firepot opening, said box-like main body being open at its lower end, and leg plates hinged at their upper ends to the opposite ends of said main body near the lower corners thereof, the hinge axes of said leg plates being located to permit said leg plates to be swung laterally inwardly and upwardly into overlapping relation forming a closure for the open bottom of said main body, said leg plates normally occupying downwardly and laterally outwardly angulated positions in which portions thereof above their hinge axes engage the ends of said main body with the lower ends of said leg plates engaging the ground to support said main body above the ground.

2,497,995
COMBINATION SCOOTER AND SLED
Peter Julie, Detroit, Mich.
Application February 3, 1948, Serial No. 5,990
3 Claims. (Cl. 280—7.12)



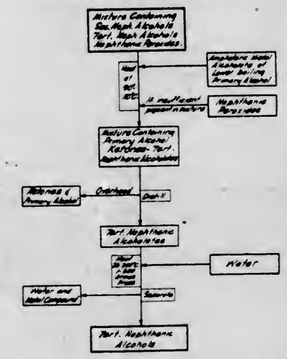
1. A combination scooter and sled comprising a platform, a steering column affixed to the forward end of the platform, a yoke formed at the lower end of the steering column, a pair of dependant legs formed at the rear of the platform, a runner, a pair of upwardly extending lugs adjacent the rear end thereof, a bolt for detachably connecting said lugs to the legs, a pair of upwardly extending lugs adjacent the forward end of the runner and each provided with a horizontally extending slot and a bolt extending through said slots whereby to detachably connect the forward lugs to the yoke.

2,497,996
REVOLVING DUSTER
Krikor Kharibian, Boston, Mass.
Application July 30, 1946, Serial No. 687,139
1 Claim. (Cl. 306—3)



In a mop mounting, the combination which comprises a mop head having a base plate to which dusting and mopping elements are attached, a disk having a stud extended perpendicularly therefrom mounted on the said base plate, a ring having an arcuate annular groove in one face thereof providing a ball race positioned on the stud and against the said base plate, balls positioned in the race of said ring, a cup-like cap having spaced upwardly extended ears rotatably mounted on said stud and seated on the balls in the race of the ring, and a handle having a shank pivotally mounted between the ears of said cap whereby a swivel connection is provided between the handle and the mop head.

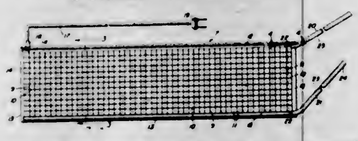
2,497,997
PURIFICATION OF ALCOHOLS
Dwight M. Kimble, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application March 4, 1946, Serial No. 651,986
6 Claims. (Cl. 260—617)



1. A process for the purification of a mixture of secondary and tertiary naphthenic alcohols, naphthenic peroxide and ketones to recover tertiary naphthenic alcohols therefrom which comprises contacting said mixture at a temperature between about 90° C. and 110° C. with an alcoholate of an amphoteric metal and a primary

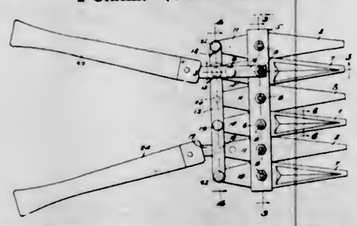
alcohol, said primary alcohol having a boiling point below that of the alcohols contained in said complex mixture, whereby said secondary and tertiary naphthenic alcohols are converted to the corresponding naphthenic alcoholates, the secondary alcoholates are oxidized to the corresponding ketones by reaction with said naphthenic peroxide and said naphthenic peroxide is reduced to the corresponding naphthenic alcohol, which last named alcohol is converted to the corresponding amphoteric metal naphthenic alcoholate by reaction with said primary alcoholate, separating the resulting tertiary naphthenic alcoholates from the reaction mixture and hydrolyzing said separated tertiary naphthenic alcoholates to form the corresponding tertiary naphthenic alcohols.

2,497,998
ICE AND SNOW MELTING MAT
Ralph E. Lee, Detroit, Mich.
Application May 5, 1949, Serial No. 91,493
2 Claims. (Cl. 219—19)



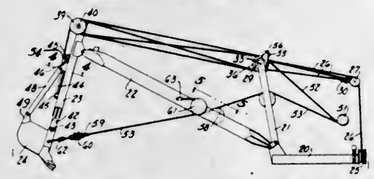
2. An ice and snow melting surface cover of the class shown and described and adapted to be spread upon walkways, driveways and the like comprising a flexibly resilient mat having substantially flat top and bottom surfaces, said top surface being provided with intersecting grooves defining block-like pads and auxiliary water distributing channels, said top surface being further provided with open-ended gutters, and open-ended disposal tubes connected with said gutters, and electrically heated resilient wires embedded in said mat.

2,497,999
HEDGE TRIMMER
Philip E. Markham, Los Angeles, Calif., assignor of one-half to William Evans, Caldwell County, Tex.
Application December 4, 1946, Serial No. 713,999
1 Claim. (Cl. 30—208)



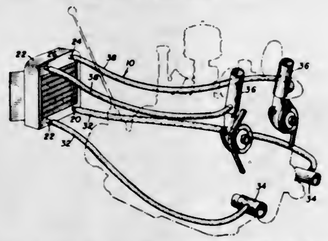
Hedge shears comprising a supporting member embodying spaced upper and lower parallel bars connected at their ends, rows of upper and lower blades pivotally mounted between the bars, the rear ends of said blades extending an appreciable distance beyond the supporting member, an actuating bar to which the rearwardly extended ends of the blades of the upper row of blades are connected, a bar to which the rear ends of the blades of the lower row of blades are connected, an operating arm pivotally connected with the supporting member and being pivotally connected to the operating bar to which the row of upper and lower blades are connected, an operating bar pivotally connected to the supporting member and to which the blades of the lower row of blades are connected, and handles secured to the operating bars by means of which the rows of blades are operated with respect to each other, cutting hedge between the pivoted blades.

2,498,000
HOE EXCAVATOR
Leland O. McLean, Marion, Ohio
Application May 7, 1948, Serial No. 25,631
5 Claims. (Cl. 214—138)



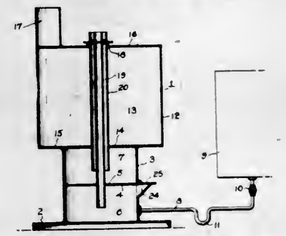
1. In a hoe-excavator, the combination with a support, of a gantry mounted on the support, a boom pivotally mounted on the support, a dipper arm pivotally attached intermediate of its ends on the boom, a dipper pivotally attached adjacent the top of its open front to the lower end of the dipper-arm, a plurality of sheaves mounted in equal number on the upper ends of the gantry and the dipper-arm, a pair of winches, a hoist line having one end wound around one of said winches and having its intermediate portion multiple reeved between the sheaves on the gantry and the dipper-arm and having its other end connected to the dipper at the rear of the latter, and a dragline connected to the open front of the dipper below the attachment of the latter to the dipper-arm and having an end portion wound about the second winch.

2,498,001
MULTISECTIONAL ENGINE HEAT DISSIPATING DEVICE
John B. Nold, St. Joseph, Mo.
Application December 2, 1946, Serial No. 713,576
1 Claim. (Cl. 123—174)



In an internal combustion engine, a plurality of banks of cylinders, cylinder heads disposed on said banks, a plurality of liquid cooling systems in association with said banks of cylinders and said heads, outlet hoses extending from said heads to conduct heated fluid therefrom, and inlet hoses for conducting cooled liquid to said banks of cylinders, a multi-cell heat dissipating means operably associated with said engine, each of said cells receiving a selective portion of hottest portion liquid from the single cooling system associated with a single bank of cylinders, means connecting said heat dissipating means and said inlet hoses for conducting liquid from said heat dissipating means to said inlet hoses for recirculation of the liquid in the banks of cylinders and heads of the cooling systems.

2,498,002
BURNER FOR WASTE AND LOW-GRADE OILS
Walter H. Paulin, Columbus, Ohio
Application February 13, 1948, Serial No. 8,135
4 Claims. (Cl. 158—91)



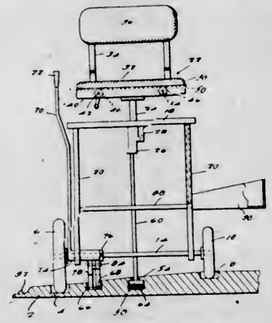
1. An oil burner comprising a closed casing provided internally with vertically superposed primary, secondary and tertiary chambers, said chambers being separated by divisional walls having axially disposed openings establishing communication between said chambers, valve regulated means for admitting a combustible liquid fuel into said primary chamber under regulable flow, a vertically extending open ended air-admitting tube disposed axially in said casing and extending from the top thereof through said tertiary and secondary chambers and into said primary chamber, the lower end of said tube terminating in spaced relation from the bottom of the primary chamber, a second air-admitting tube arranged concentrically with said first-named tube in spaced relation from the walls thereof and providing an air passage leading from the top of said casing into said secondary chamber, said tubes providing the sole means for introducing atmospheric air to said primary and secondary chambers, and a waste gas outlet arranged in the top of said tertiary chamber.

2,498,003
METHOD OF COLORING GLASS
Milton M. Peterson, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application August 19, 1946, Serial No. 691,665
5 Claims. (Cl. 49—88)

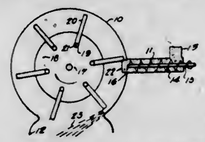
1. The method of obtaining a uniform coloration in the copper-staining of a soda-lime-silicate glass, which comprises first heating the glass in a reducing atmosphere, and thereafter applying a staining composition containing a compound of copper to the glass and heating the glass while in contact with said staining composition to develop color therein.

2,498,004
OPERATOR'S CHAIR FOR BARBERS OR DENTISTS
John A. Pullen, Cullman, Ala.
Application April 26, 1946, Serial No. 665,166
3 Claims. (Cl. 155—2)

2. A seat for barbers, dentists and the like, including an arcuate base member constructed and arranged to be positioned around the seat of a patron, a chair for an operator serving the patron, said chair having a seat and wheels therebeneath for supporting it and being movably disposed upon the base member, the latter having guide slots spaced apart for receiving and guiding the wheels and thereby constraining said chair into arcuate movement on said base member, the latter also having an undercut slot, a steadying rod secured at one end to the chair seat and having the other end projecting shiftably into the undercut slot, a retaining member movable in said undercut slot and secured to the other end of the steadying rod and being retained in said undercut slot throughout its path of movement therein and thereby constraining said steadying rod to continue projecting into said undercut slot in any shifted position of said steadying rod throughout the extent of said undercut slot, and a brush upon the lower portion of said retaining member accompanying the same in movement and serving to remove and prevent accumulations of dirt in said undercut slot.



2,498,005
TREATMENT OF PIGMENT COMPRISING CALCIUM CARBONATE
Harold R. Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts
Application October 31, 1946, Serial No. 706,907
14 Claims. (Cl. 23—193)



1. In the treatment of a pigment comprising calcium carbonate, the method of modifying said pigment to effect an improvement in at least one of the properties of adhesive requirement, oil absorption and gloss-imparting quality of said pigment, which comprises directing said pigment in restricted condition into the path of travel of a percussive member of a rotor element, said pigment being in a state with respect to liquid content which is in the range extending from absence of liquid to a liquid content just insufficient to convert said pigment into a paste, subjecting said pigment to a percussion from said percussive member, said percussive member having a velocity of not less than 30 feet per second at the point of said percussion, said rotor element at the time of subjecting said pigment to

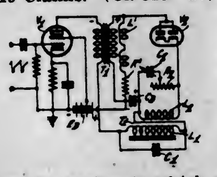
the action of said percussive member being free from contact with said pigment except in respect to said percussive member, said pigment being free for movement upon, and at the point of, said percussion, said pigment being propelled by said percussive member out of the path of travel of said percussive member, the particle size of said pigment being substantially unchanged by subjection to the action of said percussive member.

2,498,006
DEVICE FOR TRAINING GOLFERS
Joe R. Ridill, Garfield Heights, Ohio
Application April 13, 1948, Serial No. 20,808
4 Claims. (Cl. 273—35)



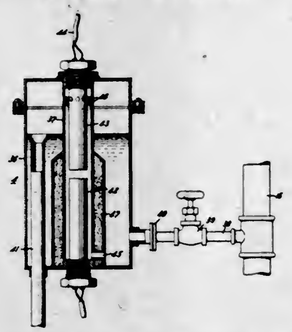
1. A device for training in golf comprising, an elongated member having at least a part thereof resiliently stretchable, a wrist encircling element at one end of said member adapted to be attached to the wrist of a person, and a device at the opposite end of said member adapted to be attached to the heel of a foot of the person, said elongated member being of such length that when connected with the wrist and heel and extended around the outside of the leg carrying said foot it yieldingly resists upward movement of the arm and yieldingly draws upwardly on the heel when the arm is raised, and said member being freely swingable across the front of the person when the arm with which said member is connected swings from one side to the other as in a golf stroke.

2,498,007
ELECTROMAGNETIC DEFLECTION CIRCUIT FOR CATHODE-RAY TUBES
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 14, 1947, Serial No. 754,760
19 Claims. (Cl. 315—27)



1. In a television system in which a power output tube is adapted to deliver cyclically varying current through a coupling transformer to the electro-magnetic beam deflection means associated with a cathode ray tube wherein an electron beam is developed and then deflected by the passage of said current through said deflection means so as to scan a target area, and in which means, including a two-element electron discharge device, are provided in shunt with at least a portion of said coupling transformer for damping out oscillations which would normally be produced during a portion of each current cycle in part by the inductance of said transformer and said deflection means, the combination of an impedance connected in series with said electron discharge device, and a circuit coupled to said impedance for developing across said impedance, independently of the conductive status of said electron discharge device, a control voltage variation bearing a selectively predetermined phase relationship to the varying voltage appearing across said electro-magnetic beam deflection means, whereby the cyclic flow of current through said electron discharge device is modified from that which would normally flow therethrough as a result of the voltage applied to said electron discharge device from across said electro-magnetic beam deflection means.

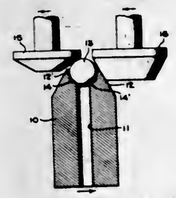
2,498,008
CONCENTRATION CONTROL
Frederick W. Schmitz, Irvington, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application December 26, 1945, Serial No. 637,280
4 Claims. (Cl. 73—432)



2. A device for sensing changes in the boiling point of solutions which comprises an outer casing, a substantially vertically extending casing within said outer casing providing a vapor-lift chamber and cooperating with said outer casing to provide a solution reservoir, said inner casing having a solution inlet port near its lower end and a discharge port near its upper end, both of said ports communicating with said reservoir, means for admitting solution to said reservoir, means for maintaining the solution level in said reservoir at a point between said ports, heating means for boiling solution contained in said inner casing, and a temperature-sensitive element mounted in said inner casing in contact with the actively boiling solution.

2,498,009
METHOD OF AND APPARATUS FOR ASSEMBLING BALL-POINTED WRITING INSTRUMENTS
Clarence O. Schrader, Burbank, and Hartley M. Sears, Pasadena, Calif., assignors to Hartley Pen Company, Pasadena, Calif., a corporation of California
Application June 27, 1947, Serial No. 757,374
10 Claims. (Cl. 113—32)

1. In a machine for assembling ball-pointed writing instruments, wherein a ball is to be rotatably held in a cavity formed in the tapered nose of a ball point member, the combination of: a pair of swedging elements, each provided with a face inclined to the axis of the ball cavity in the ball point member, the face of one swedging element being arranged to contact the surface of the ball on one side of the axis of the cavity and the face of the other swedging element being arranged to contact the outer surface of the nose on the opposite side of the axis of the cavity in

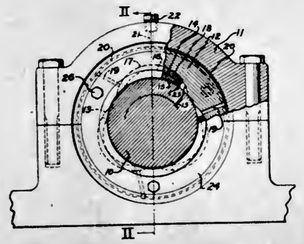


the region of the transverse plane passing through the center of the ball in the cavity and means for imparting relative rotation to the swedging elements and ball point member while they are in pressure contact.

2,498,010
PROCESS FOR THE PRODUCTION OF CELLULOSE ESTERS
George W. Seymour, Millburn, Blanche B. White, Summit, and Mark Plunguian, Gillette, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 28, 1947, Serial No. 771,148
5 Claims. (Cl. 260—227)

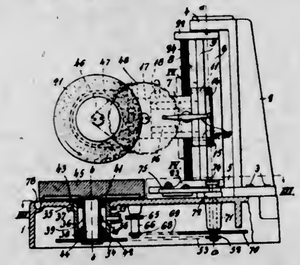
1. In a process for the production of organic acid ester of cellulose wherein cellulose is esterified with a lower aliphatic acid anhydride employing an acid esterification catalyst, the steps which comprise cooling the reaction mixture below atmospheric temperature and effecting the esterification reaction in a plurality of reaction stages, the first stage being carried out with the esterification reaction temperature being maintained at about 20 to 40° C. from about 5 to 40 minutes until the major portion of the cellulose is esterified, then raising the reaction temperature to about 25 to 60° C. and continuing the esterification reaction at the higher temperature for from 5 to 40 minutes whereby the esterification of the cellulose is completed.

2,498,011
RADIAL BEARING
Earl H. Sherbondy, Cleveland, Ohio, assignor to Gridiron Steel Company, Cleveland, Ohio, a corporation of Ohio
Application August 16, 1946, Serial No. 690,843
1 Claim. (Cl. 308—73)



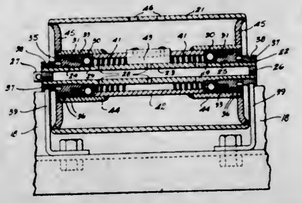
A shaft bearing comprising, a cage having an opening therethrough for receiving a shaft, said cage having a plurality of arcuate concavities about said opening, the centers of the arcs of said concavities lying in the plane of the radius of the shaft to be received in the opening and the radius of said arcs being less than the radius of said shaft, a shoe in each of said concavities, each of said shoes having an arcuate bearing surface adapted to engage the periphery of the shaft and having a convex surface conforming to and engaging the walls of the concavity, said shoes being shorter than the concavities whereby one end of the shoes is spaced from an end of the respective concavities, and an oil supply conduit extending into each of said concavities adjacent said end of the concavity for feeding oil into said space.

2,498,012
GRINDING MACHINE
Hjalmar Emanuel Sjöstrand, Stockholm, Sweden
Application March 18, 1946, Serial No. 655,129
In Sweden August 22, 1944
29 Claims. (Cl. 51—33)



22. A grinding machine, suitable for surface grinding, having one supporting member for a grinding wheel and another supporting member for a work-piece, in which one of the supporting members is swingable with respect to the other about an axis perpendicular to the grinding plane, the swingable supporting member being displaceable in the direction of the said swinging axis along a guide having sliding surfaces, which guide is swingably journalled in the other supporting member and means for securing the swingable supporting member in fixed axial position against said sliding surfaces.

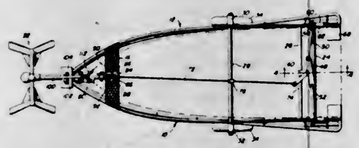
2,498,013
BELT CONVEYER IDLER ROLLER
Franklin N. Smith, Aurora, Ill.
Application July 11, 1947, Serial No. 760,253
5 Claims. (Cl. 308—20)



1. An idler roller structure for belt conveyors comprising an apertured tubular shaft, a ball bearing assembly mounted on each end portion of the shaft, a nut member secured to each end

portion of the shaft outwardly adjacent each bearing assembly, a helical spring secured to the nut member and abutting on the bearing assembly, a roller having an inner axial sleeve surrounding and rotatively engaging the nut members, and an impeller element carried at the intermediate portion of the sleeve and projecting internally thereof toward said apertured tubular shaft.

2,498,014
BOAT TRAILER
Barnard J. Spencer, Jr., and Leon G. Brinson, Gainesville, Fla.
Application July 9, 1948, Serial No. 37,806
4 Claims. (Cl. 214—65)



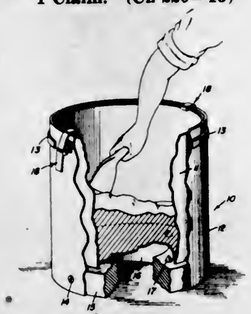
1. A boat transporting device comprising a frame and a draw bar attached at the forward end thereof, means swingingly mounted adjacent the rear of the frame for clampingly engaging the bottom portion of a boat, means for actuating said clamping means, said actuation means including a pivot mounted on said frame, pitman rods attached to said pivot, and means positioned at the forward end of same frame for rotating said pivot, a lever pivotally mounted at the forward end of said frame, means for locking said lever in a predetermined position, a link pivotally mounted at one end of said lever and a plate secured to said link adapted to clampingly engage the forward end of a boat.

2,498,015
POURING JACKET FOR MOLDS
Horace R. Street, University Heights, Ohio, assignor to Gordon A. Wiltse, Cleveland, Ohio
Application December 12, 1947, Serial No. 791,191
3 Claims. (Cl. 22—112)



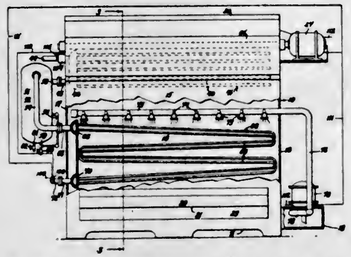
3. A pouring jacket for molds, comprising a rectangular frame of rod material, four externally reinforced plates disposed inwardly of the respective sides of said frame, two pairs of longitudinally aligned external lugs on each plate, one pair near each end of each plate, the lugs of each pair loosely embracing said frame, one end of each plate overlapping the end of an adjacent plate and held by the latter plate against inward movement, the opposite end of each plate being overlapped by the plate adjacent thereto, said lugs near the overlapped end of each plate having aligned perforations outwardly of said frame, and a pin removably mounted in each such pair of perforations, whereby that end of each plate is held against inward movement.

2,498,016
RECEPTACLE FOR ICE CREAM CARTONS
Lester G. Stine and Charles A. Hurst, Jr., Harrisburg, Pa.
Application November 13, 1947, Serial No. 785,768
1 Claim. (Cl. 220—15)



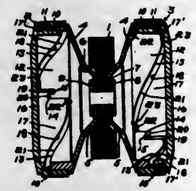
In association with an ice cream carton and a shell therefor, a clamp comprising a bracket secured to the outer surface of the shell and having one edge portion thereof arcuated to form a tubular bearing, an arcuate arm provided intermediate its ends with a pair of transversely aligned ears, a substantially rectangular link having one end portion thereof rotatable in said bearing and its opposite end portion pivotally mounted in said ears, one end portion of said arm constituting a finger piece, the remaining end portion of said arm being angulated to extend over the upper edges of said shell and carton and terminating in an inturned detent, the angulated portion of said arm being engageable with the upper edge of said shell when said finger piece is brought to an ultimate clamped position.

2,498,017
APPARATUS FOR CONDENSING REFRIGERANTS BY EVAPORATIVE COOLING
Robert C. Stutz, Buffalo, N. Y., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York
Application April 9, 1948, Serial No. 19,931
21 Claims. (Cl. 62—2)



1. A heat exchange device for cooling a stream of fluid, comprising a casing forming a chamber having an air inlet at one end and having at its opposite end an air outlet duct provided with an air outlet, a fan arranged within said casing to draw a stream of air through said inlet and chamber and to discharge said stream of air through said outlet duct, a cooling coil for said stream of fluid arranged between said air inlet and fan in the stream of air passing through said chamber, means arranged to discharge and distribute water over said cooling coil to wet the exterior of said cooling coil and to evaporate and absorb heat therefrom, a partition in said casing extending from said fan toward said one end of said casing and dividing said casing into two air passages dividing said air stream entering said fan into two parts and each passage containing a part of said cooling coil, walls forming a recirculation air duct having its inlet end opening into said outlet duct and its outlet end opening adjacent said fan into one of said passages, and dampers regulating the proportion of air discharged from said outlet duct through its outlet and through said recirculation air duct.

2,498,018
CONVERTIBLE KNIFE SHARPENER
Willis F. Thompson, Portland, Maine, assignor to The Alden Speare's Sons Co., a corporation of Massachusetts
Application June 26, 1948, Serial No. 35,430
8 Claims. (Cl. 51—210)



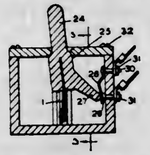
1. A convertible knife sharpener comprising in combination a set of rollers, an abrasive element interposed between the rollers, each of the rollers including a fixed side occupying an angular position with relation to the abrasive element, means for combining the said fixed sides and the abrasive element to rotate in unison, each of said rollers including a rim movable over the adjacent fixed side of the roller and over the abrasive element whereby the combined rims of the respective rollers will form a packet enclosing the abrasive element, and means whereby the rim of each roller may be connected to its fixed side and moved translatably in or out, inwardly to assist in forming the packet and outwardly to assist in forming one of the rollers of the knife sharpener.

2,498,019
OIL RETAINER FOR CRANKCASE OIL DIPPERS
Harold L. Thompson, Havre, Mont.
Application August 27, 1948, Serial No. 46,487
4 Claims. (Cl. 184—13)



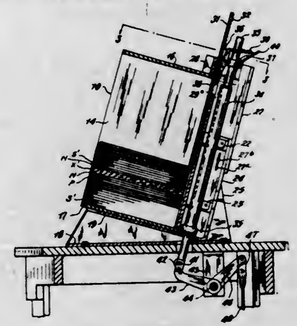
1. The combination with an oil dipper for a connecting rod bearing, said dipper including a plate detachably secured to the under side of said bearing and a scoop depending from said plate, of an oil-retaining strip extending longitudinally of said scoop interiorly thereof, said strip being formed with means for retaining oil in said scoop, said strip including an integral lower end extending longitudinally of said scoop exteriorly thereof, said strip including an upper end extending between said plate and said under side of said bearing, and said upper end including at least one laterally-directed tab extending at least partially around said plate and said lower end of said strip to secure said strip to said scoop.

2,498,020
ELECTRIC SNAP SWITCH
Foster J. Trainor, Holly Hill, Fla., assignor to Disto Corporation, Holly Hill, Fla.
Application September 29, 1947, Serial No. 776,771
10 Claims. (Cl. 200—67)



1. In an electric snap action switch, a snap action element comprising a resilient metallic sheet bounded on first and second sides by parallel edges, on a third side by an edge substantially normal to said parallel edges and connecting an end of each of the same, on a fourth side by an edge including a re-entrant curved portion, said curved portion having a longer length than the projection of the curved portion on a plane passing through the parallel edges, whereby said sheet has two convex conditions of stability with an intervening condition of instability.

2,498,021
METHOD AND APPARATUS FOR ASSEMBLING BATTERY ELEMENTS
Charles A. Young, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application December 20, 1946, Serial No. 717,484
10 Claims. (Cl. 29—286)



1. The method of assembling storage battery elements which comprises: providing a normally stationary holder having a base and a pair of side members united together, the side members extending at substantially right angles to each other and to the base; inserting a movable member into the holder adjacent one side member thereof for movement longitudinally of, and substantially parallel to, the said one side member; establishing separate piles of positive battery plates, negative battery plates, and plate separators at convenient positions adjacent said holder; alternately removing the top battery plates and separators from the said piles and

inserting them into said holder while correspondingly alternately moving said movable member out of the path of said separators and into the path of the battery plates as they are inserted into the holder, whereby an edge of each of the battery plates engages the movable member and the corresponding edge of each separator engages the said one side member of the holder so that the battery plates and separators will be laterally centered relative to each other.

5. A battery plate and separator assembling apparatus comprising a holder including a base and a pair of side members united together, the side members extending at substantially right angles to each other and to the base, the holder being adapted to receive and maintain battery plates and separators in stacked relationship, means for supporting said holder in an inclined position, means adapted to extend into said holder and to move parallel with respect to one of the side members thereof, the second-mentioned means having a surface extending inwardly with respect to the inner surface of said one side member and adapted to be engaged by the edge of each battery plate inserted in the holder for limiting the extent of insertion of the battery plates therein, and means to move the second-mentioned means out of the path of movement of the separators as they are inserted into the holder, whereby the separators may engage the said one side member of the holder so as to be offset with respect to the battery plates.

2,498,022
SHUTTLE CHECKING DEVICE FOR LOOMS
Adolphe Zarn, Zurich, Switzerland
Application November 20, 1946, Serial No. 710,965
In Switzerland November 21, 1945
1 Claim. (Cl. 139—166)



A shuttle checking device for looms, comprising a casing, a cylindrical body within said casing, a buffer head carried by said casing, a piston engaging said buffer head and adapted to penetrate into said cylindrical body with play between the piston and the cylindrical walls of said body, a sealing collar enclosing said piston and located within said casing, a valve on said cylindrical body substantially above said collar for the withdrawal of air from said cylindrical body, and means forming a conduit connecting the interior of said cylindrical body with the bottom portion of the interior of said casing, whereby air in the interior of said casing is prevented from reaching the interior of said cylindrical body.

2,498,023
ANTISKID DEVICE
Leon H. Zeie, Torrington, Conn.
Application May 1, 1946, Serial No. 666,210
5 Claims. (Cl. 152—233)

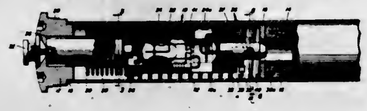


5. An anti-skid device for vehicles comprising a pair of side chains and a series of cross-chains, each of said cross-chains having means for attachment to a link of a side chain consisting of a terminal member having hooks normally spaced parallel to each other a distance greater than the inner spacing between the sides of the said link but resiliently compressible to bring the hooks close enough to pass between the sides of the said link, and abutments on the outside free ends of the hooks, the combined width of each hook and its abutment exceeding the distance between the side portions of the links in the side chains.

2,498,024
PREFRYING TREATMENT OF POTATOES
John L. Baxter, Brunswick, Maine
No Drawing. Application August 8, 1946, Serial No. 689,205
9 Claims. (Cl. 99—1)

1. The method of treating potato particles, the natural sugar content of which is such that the desired color change cannot be attained when the particles are cooked by frying, which method comprises preparing a solution of a sugar that may be absorbed by the particles and in which the percentage by weight of the sugar to the liquid is within the range of .25% to 3%, immersing the particles in the solution for a period of from 1 to 3 minutes to affect the sugar content in at least the surface layers of the particles, and frying the thus treated particles in a frying medium at a temperature within the range of 300° to 425° F.

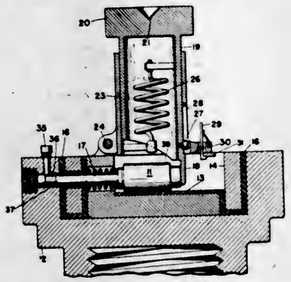
2,498,025
PRESSURE-ARMED IMPACT-FIRED FUSE
George E. Breeze, Uncasville, and Lloyd A. Brockwell, New London, Conn., assignors to the United States of America as represented by the Secretary of the Navy
Application August 12, 1944, Serial No. 549,208
1 Claim. (Cl. 102—81)



In a fuze having a detonator and a booster, a metal casing for the detonator adapted to fit into a recess in the booster but normally withdrawn from the recess, the casing having a solid, extended and tapered end adjacent the booster and also having side walls containing lateral ports through which the detonator is operable to explode, a metal ring between the booster and the detonator and through which the casing is movable into the receptacle, the ring and said end of the casing normally forming a generally continuous barrier between the booster and the detonator, and means for moving the casing through the ring and into said recess, said tapered end of the casing being operable to guide the casing into the recess upon movement of the casing by said means.

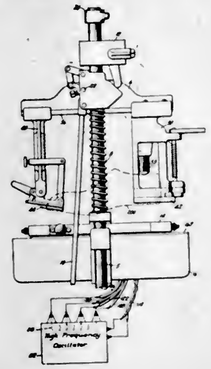
2,498,026
MERCURY SWITCH TESTER
Calvin F. Brown, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application July 8, 1947, Serial No. 759,630
5 Claims. (Cl. 175—183)

1. A centrifugal testing appliance comprising a rotor, a work holder mounted thereon, said holder including a spring pressed plunger and a movable abutment coacting therewith for initially holding on the rotor axis a unit to be tested, means for moving the abutment out of engagement with said unit to permit displacement of



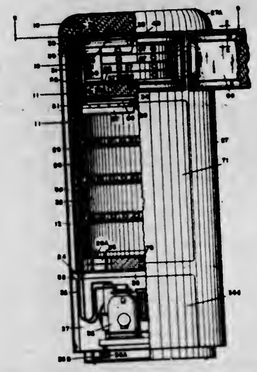
the unit from the axis to a position for testing, and a stop positioned to coact with the plunger for retaining the unit in displaced position whereby the unit is subjected to centrifugal force testing.

2,498,027
MACHINE AND METHOD FOR THERMOACTIVE ADHESIVE BONDING OF SHOE PARTS
Fred H. Brown, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 15, 1947, Serial No. 748,213
11 Claims. (Cl. 12—33)



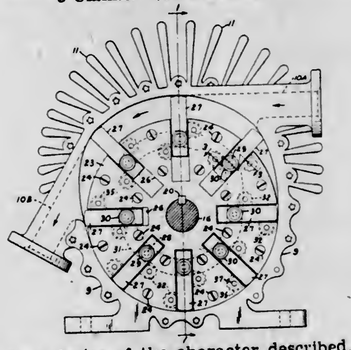
5. In combination, a shoe support, a sole support, one of said supports being movable from a position where the parts occupy a predetermined registering relation to a position separated therefrom, an unheated stray-field electrode member mounted for movement from an outside position to a position between said shoe parts, means for supplying high-frequency electric power to said member to set up a dielectric field adjacent thereto to activate a previously applied and dried coating of thermoplastic cement upon one of said parts, means responsive to the movement of said member for controlling the supply of power thereto, and means for moving one of the work supports to bring the parts together in predetermined relation after the cement has been activated.

2,498,028
REFRIGERATOR
Leonard F. Clerc, Nutley, N. J.
Application October 15, 1945, Serial No. 622,272
12 Claims. (Cl. 62—89)



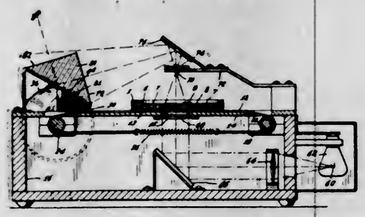
1. In a device of the character described, including an outer shell, inner shells and insulated upper and lower compartments, each having a rotatable commodity supporting member therein, the combination of means for independently refrigerating said compartments, said means comprising a cold plate for each said compartment, and defining one wall thereof, said plates having passageways therein communicating with a refrigerating machine, there being means carried by said rotatable members for defrosting the walls of said compartments.

2,498,029
PUMP
Leonard F. Clerc, Nutley, N. J.
Application December 13, 1945, Serial No. 634,745
5 Claims. (Cl. 230—152)



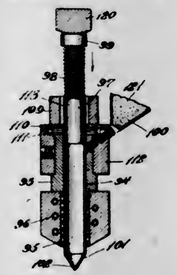
1. In a device of the character described, the combination of a housing comprising matched plates, fan shaped radial fins on each of said plates, a rotor in said housing, said rotor comprising an immediate plate and two face plates having radial vane slots therein, vanes in said slots, rollers on said vanes, and a cam slot in each of said housing plates adapted to engage said rollers, recesses in said intermediate plate and rollers in said recesses adapted to guide said vanes, said face plates being adapted to retain said last named rollers.

2,498,030
LINEAR MEASURING DEVICE HAVING LIGHT PROJECTION MEANS
William W. Davis, Greenwood, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
Application May 2, 1946, Serial No. 666,672
4 Claims. (Cl. 88—14)



1. In a measuring machine, a belt serving as a work support and having an opening through the run of the belt on which a workpiece is positioned, a member having an inspection surface with a reference line appearing thereacross, means for projecting an image of the workpiece upon said inspection surface, means for adjusting the belt to bring an edge of the image into contact with said line, means for causing movement of said belt whereby the image of the workpiece may be caused to travel clear across said line on the inspection surface until the opposite edge of the image is in contact with said line, and an indicator having a frictional driving connection with said belt so that said indicator may be positioned and held at zero during adjustment of the belt and so that said indicator may be hand-operated to cause that movement of the belt which brings the image to its second position with respect to said line, said indicator being then in position to indicate the extent of the last-mentioned movement of the belt whereby measurement of a linear dimension of the workpiece is effected.

2,498,031
CHAIN MAKING MACHINE
Charles Deiss, Swansea, Mass.
Application March 27, 1945, Serial No. 585,069
9 Claims. (Cl. 18—30)



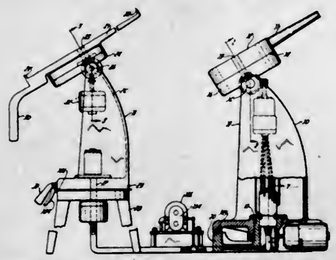
3. In a chain machine, a mold for a chain link comprising a plurality of parts mounted for movement from and toward each other into firm engagement so as to provide a closed cavity for molding a link, means for injecting material into said mold to form a link and a gate extending therefrom, means for separating certain of said mold parts from the link formed, holding means movable for engaging the gate of the link formed for holding the link formed in position for further manipulation thereof, said holding means comprising a severing means, means for separating the remaining mold parts from said link, means for engaging and movable for positioning the link to be at a location so that the cast portion passes at an angle to the plane of and within the encircling portion of the closed cavity of said mold when said mold parts are moved toward each other to have a subsequently formed link molded therethrough, said severing means being operable for severing the gate of the link subsequent to the engaging of the link by the positioning means and prior to the movement of the positioning means for positioning the link to a location to be within the confines of the close cavity.

2,498,032
THERMAL CIRCUIT BREAKER
Albert H. Dell, Cheverly, Md., and Jules H. Sreb, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy
Application March 4, 1947, Serial No. 732,268
2 Claims. (Cl. 102—70.2)



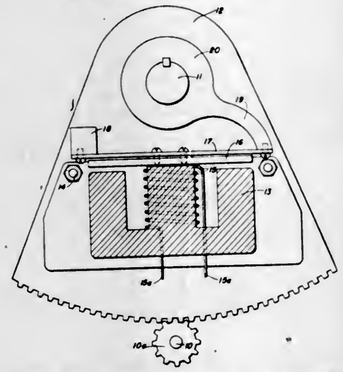
2. In a fuze including a source of electricity, a primer and an electrical igniter for said primer energizable by said source, a conductor short-circuiting said igniter to prevent operation of the latter, said conductor including a fusible portion, a combustible composition in heat-transferring relationship with said fusible portion, and means for igniting said composition, thereby developing heat to melt the fusible portion and remove the short-circuit.

2,498,033
GUN CONTROL MECHANISM
Hans Ernst and Bernard Sassen, Cincinnati, Ohio, assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 22, 1937, Serial No. 175,830
8 Claims. (Cl. 89—41)



3. In a gun control mechanism, the combination of a transmitter having a rotatable portion, a sighting apparatus operatively connected to the rotatable portion of the transmitter for rotation thereof upon movement of the sighting apparatus through a given plane, a gun movable in a plane coincident with the plane of movement of the sighting apparatus, a receiver having a rotatable portion to move the gun, a servo-motor operatively connecting the receiver to the gun, a plurality of pairs of opposed fluid operable devices in the receiver, a source of pressure for delivering fluid continuously to said devices, means on the transmitter responsive to rotation of the rotatable portion of the transmitter for rotating the rotatable portion of the receiver, said means being responsive to rotation of the rotatable portion of the transmitter for inducing pressure changes in the fluid acting on said devices to cause rotation of the rotatable portion of the receiver, and means responsive to rotation of the rotatable portion of the receiver for equalizing said pressures when the receiver portion has moved through an angle equal to the movement of the transmitter portion.

2,498,034
DITHERING DEVICE
John Erwood, Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy
Application January 5, 1946, Serial No. 639,458
8 Claims. (Cl. 74—96)



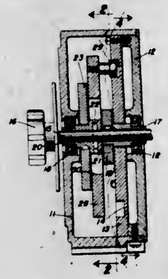
1. A device for transmitting motion from a driving element to a drivable element, comprising a drive transmitting member of relatively high inertia compared to the inertia of the drivable element, said drive transmitting member being movable with respect to said drivable element, means for transmitting motion from said driving element to said drive transmitting member, and means including a dither mechanism mounted on said drive transmitting member for transmitting to said drivable element the motion from said driving element combined with a dither motion.

2,498,035
CIGARETTE CASE
Leo Esterow, New York, N. Y.
Application January 16, 1947, Serial No. 722,337
1 Claim. (Cl. 206—41.2)



In a cigarette case, a body, a cover pivoted to the body, a tray pivoted in the body on the pivot which attaches the body and the cover together, said tray having upturned cigarette-confining ends, a clamping plate pivotally mounted on the same pivot as that which attaches the body and cover together, a spring mounted on said pivot and operative to urge the clamping plate toward the tray to thereby hold cigarettes on said tray, leaf springs in the form of a plurality of tongues stamped out of the body of the tray and extending transversely of the cigarettes in the tray, and located closer to the pivot for said tray than to the forward edge of the tray, said springs having free ends bent downwardly and resting against the inner face of the body of the case so that said springs will raise the tray and the clamping plate upwardly to an angular position less than vertical when the cover of the case is raised.

2,498,036
TRANSMISSION
William J. Grace, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application April 15, 1946, Serial No. 662,300
1 Claim. (Cl. 74—393)



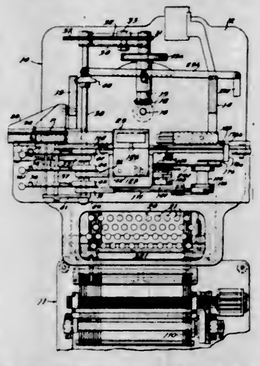
In an instrument rotatably adjustable for angular positions, the combination with an enclosing case having a fixed cam track, an input shaft having a drive head and an axially alined output shaft having a driven pinion, of a slotted follower having opposed guide grooves and reciprocable transversely of the shafts, two pairs of rollers mounted on the head in constant engagement with said grooves, a toothed rack rigid with the follower constantly meshing with the pinion, and a roller journaled on one end of the follower movable in the cam track.

2,498,037
LAST FOR USE IN THE MANUFACTURE OF SAFETY SHOES
Wirt G. Greenan, Revere, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Original application April 1, 1948, Serial No. 18,459, now Patent No. 2,457,463, dated December 28, 1948. Divided and this application December 11, 1948, Serial No. 64,756
3 Claims. (Cl. 12—133)



1. A last for use in the manufacture of safety shoes having a transverse ridge extending approximately across its tip line and projecting beyond the normal contour of the last.

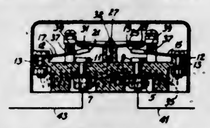
2,498,038
PLATE HANDLING MECHANISM FOR EMBOSSING MACHINES
John H. Gruver, East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 14, 1946, Serial No. 676,780
8 Claims. (Cl. 197—6.6)



7. In an embossing machine having a plurality of settable pairs of cooperating punches and dies adapted to be moved selectively into an embossing position, a carriage, means including a mounting rail supporting said carriage for reciprocation past said embossing position, spring means urging said carriage in a character spacing direction from an initial position toward an unloading position, an escapement means for controlling movement of said carriage in said character spacing direction, a cross slide mounted on said carriage for movement in line spacing and return directions transverse to the direction of the reciprocation of said carriage, workholding means on said cross slide defining a workholding position, plate loading means mounted adjacent said initial position for loading a printing plate on the workholding means of said workholder when said carriage is in said initial position, means for operating said plate loading means, carriage return means for returning said carriage through a return movement from said unloading position to said initial position, unloading means for effecting unloading of a printing plate from said workholding means when said carriage is disposed in said unloading position, and means operable in timed relation to said unloading means to effect return movement of said cross slide prior to unloading movement of a plate by said unloading means.

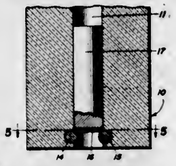
2,498,039
THERMOSTATIC CIRCUIT BREAKER WITH CONTACT ARC PREVENTION
Townsend M. Gunn, Attleboro, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application May 12, 1945, Serial No. 593,406
5 Claims. (Cl. 175—294)

5. A thermostatic circuit breaker comprising a base, a pair of line terminals fixed on the base, a pair of spring arms mounted on the base carrying contacts movable toward and away from the respective terminals, the arms tending to move the contacts away from the terminals, a snap-acting, dished thermostatic disc mounted on the base having a pair of contacts engageable with the movable contacts, said disc being electrically conductive and adapted to snap from a non-overload position bowed toward the terminals to an overload position bowed away from the terminals upon heating in response to passage of overload current therethrough, said disc being located on the base for engagement of its contacts with the movable contacts to hold them against the terminals when the disc is in non-overload position, and for releasing said mov-



able contacts upon snapping to overload position, an electrical resistance connecting said movable contacts through said spring arms, and a pair of stops mounted on the base in position to engage the spring arms to limit their movement away from the terminals for disengagement of the movable contacts and the contacts on the disc when the disc has snapped to overload position.

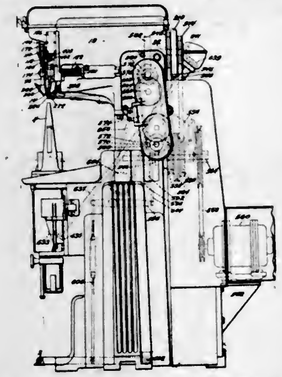
2,498,040
SETBACK SWITCH
James D. Jordan, Washington, D. C., and Robert G. Ferris, Harvard, Ill., assignors to the United States of America as represented by the Secretary of the Navy
Application May 5, 1943, Serial No. 485,782
7 Claims. (Cl. 200—52)



1. A set-back switch adapted to be mounted within a projectile to close at least a portion of an electrical detonating circuit upon the application of set-back force created when the projectile is fired comprising a body member, a bore in said body member, contact members mounted in spaced relation from each other in said body member, at least a portion of said contact members extending into said bore, and malleable metal positioned in said bore capable of being moved upon the application of set-back force, said malleable metal making contact between said contact members when moved upon the application of set-back force.

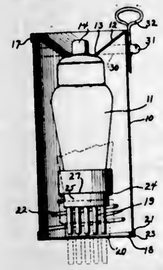
2,498,041
SEWING MACHINE
Clyde L. Knott, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 10, 1945, Serial No. 572,119
137 Claims. (Cl. 112—36)

6. A shoe sewing machine having a work support, a presser foot actuable towards and from the work support to clamp and release the work, and a needle, in combination with a curved awl at the side of the work with the needle, the outer side of the awl facing the needle, mechanism for actuating the awl to penetrate the work along a path concentric to its curvature while the work is clamped, and mechanism acting after the awl has completed its work penetrating stroke and the work has been released to move the awl within its plane of curvature into line with the



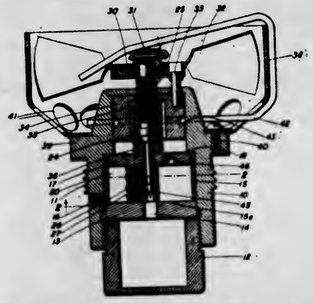
needle while moving away from the work supporting surface of the work support to feed the work.

2,498,042
RADIO TUBE PACKAGE
Joseph Kolber, Chicago, Ill.
Application November 15, 1945, Serial No. 628,688
2 Claims. (Cl. 206—46)



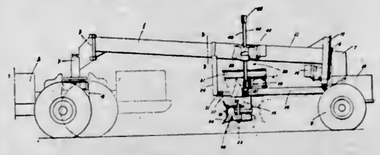
1. A radio tube package comprising, in combination, a radio tube having a set of base prongs at one end and a terminal boss at the other end, a container for the radio tube including a tubular body longer and of substantially greater internal diameter than the radio tube, an apertured closure at one end of the tubular body engaging the crown of the tube and permitting projection therethrough of the terminal boss of the tube and at such end having means maintaining the tube in substantially centered spaced relation to the tubular body and the terminal boss in centered relation in the aperture, a centrally apertured closure for the opposite end of the tubular body and enclosing the base end of the radio tube but permitting projection of the base prongs of the tube for testing purposes, and a helical spring within the container having a base loop of a diameter to fit uniformly within the corner afforded by the base closure and the end portion of the tubular body and also having a substantially reduced diameter opposite end loop engaging the base of the radio tube and normally urging the radio tube toward and into engagement with the centering means of said crown closure and for maintaining the radio tube base prongs retracted, the engagement of said base loop with the tubular body retaining the base loop against movement in its plane and the spring centered in the container and the spring thereby holding the base end portion of the radio tube substantially centered in the container and spaced from the tubular container body but yieldable transversely for shock absorbing purposes.

2,498,043
FUSE
Charles C. Lauritsen, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application April 2, 1943, Serial No. 481,646
3 Claims. (Cl. 102—81.2)



1. A fuze comprising a hollow body, a firing pin threaded in the body, a propeller connected to the pin and operable aerodynamically to screw the pin to a retracted position in which the front end of the pin is exposed at the nose portion of the fuze, the pin being operable by impact of said end with a target, an inertia-operated collar oriented on the axis of the body through which collar the pin is movable, a locking element on the collar adapted to hold the propeller against rotation, and a spring coiled around the pin for pushing the collar and locking element toward the propeller to lock the propeller against rotation, the collar being movable against the spring by a force of setback to cause said element to release the propeller.

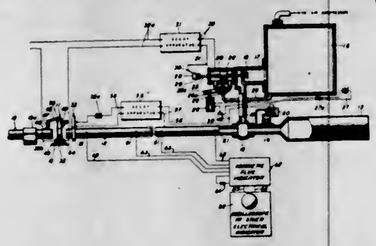
2,498,044
ROAD GRADER
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application April 13, 1946, Serial No. 661,957
5 Claims. (Cl. 37—156)



1. A motor grader comprising an elongated, wheel-supported body disposed above and driven for movement along the ground, a grader blade, a sleeve surrounding and rotatably mounted on the body, means adjustably suspending the grader blade from the sleeve, a gear fixed on the body at one end of the sleeve, a housing on the sleeve

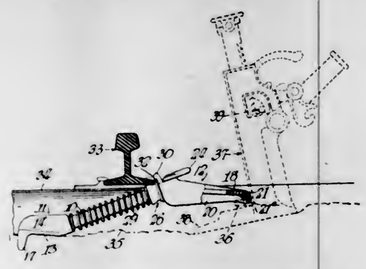
surrounding the gear, a reversible electric motor unit mounted on the housing, and a pinion driven by the motor unit in mesh with the gear.

2,498,045
DECELERATION APPARATUS
Charles T. G. Looney, Silver Spring, Md., Lynn G. Howell, Houston, Tex., and Bruce G. Johnston, Bethlehem, Pa., assignors to the United States of America as represented by the Secretary of the Navy
Application August 15, 1946, Serial No. 690,768
11 Claims. (Cl. 73—167)



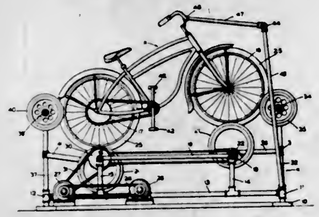
1. A device for decelerating projectiles fired from a gun, comprising a tube closed at one end and open at the other end, and a source of compressed fluid connected to the tube near its closed end, whereby a projectile fired into the open end of the tube is decelerated by the compressed fluid in said tube, and means actuated by recoil of the gun for preventing return of the projectile to the gun.

2,498,046
TRACK SHIFTING DEVICE
John L. McMillan, Springfield, Ill., assignor to Templeton, Kenly & Co., Chicago, Ill., a corporation of Illinois
Application November 5, 1945, Serial No. 626,796
10 Claims. (Cl. 254—44)



3. A track shifting device embodying therein ballast engaging means, a lifting bracket spaced therefrom, rigid means of a circular cross section connecting said ballast engaging means and said lifting bracket, rail base engageable means mounted for rotation as well as longitudinal guided movement on said connecting means, resilient means for normally holding said rail base engageable means on said connecting means in a position normally engaging said lifting bracket, and means on said lifting bracket overhanging a part of said rail base engageable means when the latter is engaged with said lifting bracket.

2,498,047
EXERCISING APPARATUS TO BE USED WITH BICYCLE
William S. Myers, Ashland, Ky.
Application October 20, 1947, Serial No. 780,782
9 Claims. (Cl. 128—33)



1. An exercising apparatus of the class described including a pair of wheels eccentrically and rotatably supported on a frame, said wheels being of equal size, each wheel having an annular groove in its rim adapted to frictionally engage the tires of a bicycle arranged in upright position on said eccentric wheels.

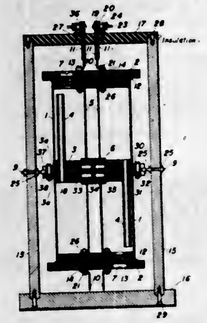
2,498,048
POCKET CONSTRUCTION IN TROUSERS
Maurice Neinken, Perkasie, Pa.
Application September 23, 1948, Serial No. 50,775
3 Claims. (Cl. 2—227)



1. In trousers having a waistband and fly flaps, a tongue fly comprising coextensive layers of cloth secured to one end of the waistband, the inner layer having a slit extending substantially parallel to the upper edge of the tongue fly, stitching extending below the slit and uniting the layers and thereby forming a pocket, the slit comprising the access opening of the pocket.

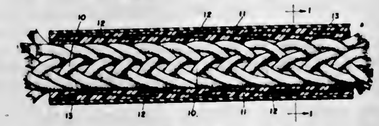
2,498,049
LIQUID RHEOSTAT
Jack B. Robertson, Seattle, Wash., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 1, 1947, Serial No. 765,283
3 Claims. (Cl. 201—57)

1. A rheostat comprising a base member, a pair of containers extending in opposite directions from said base member, individual pairs of electrodes of which one pair projects into each container, means establishing a passage for resistor liquid from one container to the other through said base and under the influence of gravity, means pivotally supporting said pair of containers about a horizontal axis whereby either may be turned to a position above the other, and a double pole double throw switch comprising two pairs of contacts carried by and movable with the containers and electrically connected to the respective electrodes, and a pair of stationary contacts designed and positioned to engage either movable



pair, said switch thus being operated automatically by the pivotal shifting of the containers.

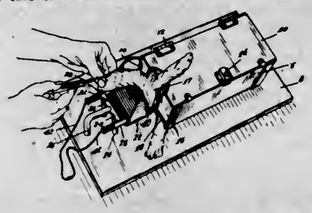
2,498,050
FULMINATING FUSE
Harner Selvidge, Hohokus, N. J., assignor to the United States of America as represented by the Secretary of the Navy
Application July 31, 1947, Serial No. 765,103
1 Claim. (Cl. 102—27)



A fulminating fuse capable, when embedded in low-melting plastic material, or fulminating without heat-injury to said material, said fuse including a highly flexible and relatively small-diameter core of continuous braided material impregnated and coated with a plastic fulminating composition containing finely-divided barium azide mixed with a binder consisting substantially of longitudinally-extending, non-continuous, reinforcing fibers embedded in said plastic fulminating composition, whereby the heat generated upon fulmination is relatively small due to the low temperature of ignition of the barium azide and the small diameter of the core, while at the same time said small diameter in cooperation with the presence of the fibrous reinforcing threads prevents fracture of the fulminating composition upon sharp flexure of the core.

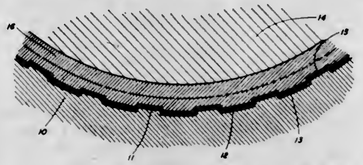
2,498,051
ANIMAL HOLDER
Robert E. Shipley, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
Application June 28, 1946, Serial No. 680,005
5 Claims. (Cl. 119—98)

1. In an apparatus of the class described, the combination of a member for restricting bodily movements of an animal, said member comprising means to prevent the animal's legs from reaching the area about the ears, a support for said member, a mask associated with said member and having a chamber shaped to receive the fore part of the animal's head, a supporting member for said mask, a collar-like member adapted to engage the animal's head back of the ears, chain-like members connected to the collar member for exerting traction on the latter to draw the fore part of the animal's head into said chamber, and



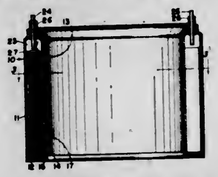
a bracket stationary with respect to said mask, said chain-like members being releasably connectable to said bracket so that the animal's head may be held releasably in engagement with said mask.

2,498,052
METHOD OF RETARDING EROSION OF GUN BARRELS
Nicol H. Smith, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy
Application January 5, 1946, Serial No. 639,461
1 Claim. (Cl. 89—14)



A method of prolonging the useful life of a rifled gun in the firing of projectiles, which comprises plating the rifled bore of the gun with an erosion-resistant material, and pre-engraving said projectiles to provide grooves and lands which fit loosely with the lands and grooves, respectively, on the plated, rifled bore surface of the gun, and with the clearance between lands of the projectile and grooves of the gun slightly greater than the clearance between grooves of the projectile and lands of the gun.

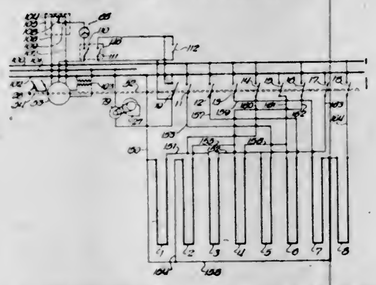
2,498,053
CAPACITOR HOUSING
Willis J. Steen, Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy
Application October 7, 1947, Serial No. 778,442
1 Claim. (Cl. 173—324)



A metal housing for a capacitor, including a pair of cylindrical members, one of said members comprising an outer shell and the other an inner shell, flanges at the corresponding lower ends of the cylindrical members and extending

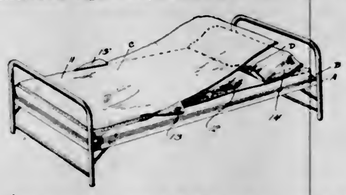
towards each other and in overlapping relation, means for fastening and hermetically sealing said flanges together to define a closure for the lower end of the housing, an insulating composition in the upper end of the housing to insulate a capacitor in said housing from the metal housing, a pair of terminals projecting through the insulating composition, an insulating tube about each of the terminals, the upper edge portions of said members being crimped together and about said insulating tubes, and a bead fastening and hermetically sealing said crimped edges together.

2,498,054
ELECTRIC HEATING SYSTEM WITH MODULATING CONTROL
Riley H. Taylor, Portland, Oreg.
Application November 20, 1945, Serial No. 629,853
11 Claims. (Cl. 219—39)



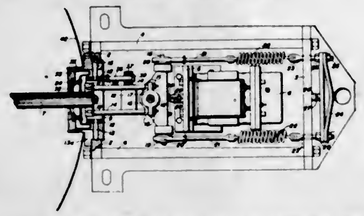
1. A heating system comprising a bank of heating units, a modulating step controller comprising a gang of individual switches arranged for automatic operation in timed sequence, circuit connections between said switches and said heating units for producing different heat outputs in different step positions of said controller, means for producing an air flow over said units, and means operated by said controller for varying said air flow in accordance with said heat output.

2,498,055
BEDCLOTHES
Wesley F. Veit, United States Army, Philadelphia, Pa.
Application April 8, 1946, Serial No. 660,382
4 Claims. (Cl. 5—334)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



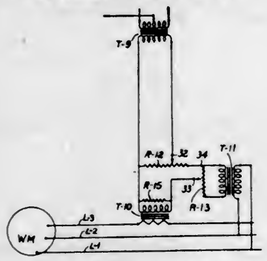
4. Bedclothes comprising two rectangular sheets having two long edges and two short edges, said sheets being joined together at one end along one short edge of each sheet and along part of the two long edges of each sheet adjacent said short edges to form a body-receiving pocket, and a pair of flexible reinforcing gussets joined to said sheets at the opening of said pocket, the other ends of said sheets being free so as to afford ready access to and egress from the inside of said sheet, and the free end of one of said sheets having an extension folded back upon said last-named sheet and joined to said last-named sheet along part of the two long edges of said sheet to provide a rectangular pillow-receiving pocket integral with said last-named sheet, said pocket being accessible through an opening parallel to and coextensive with a short edge of said last-named sheet for the insertion and withdrawal of a pillow.

2,498,056
NUTATOR
Frank D. Werner, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application December 20, 1946, Serial No. 717,381
10 Claims. (Cl. 74—86)



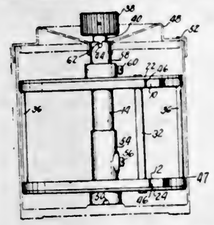
1. A nutator for a device, comprising a gimbal member for supporting one end of said device, a gimbal ring surrounding and pivotally supporting said member for motion about an axis, means for supporting the ring for pivotal motion about an axis at right angles to the first-named axis, a rigid extension projecting from the side of said member opposite the device, resilient means coacting with said movable elements, means for adjusting the tension of said resilient means, to provide a desired natural mechanical period for the entire movable assembly on said gimbal member, a motor, and means operatively connecting said motor to the assembly, for nutating the assembly on the gimbal member.

2,498,057
CONTROL APPARATUS FOR POLYPHASE SYSTEMS
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., as trustee
Original application May 4, 1944, Serial No. 534,111. Divided and this application March 20, 1946, Serial No. 655,699
2 Claims. (Cl. 171—97)



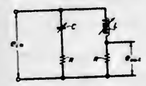
1. Voltage control apparatus for producing voltage in a constant proportion to torque of a variable-load A. C. motor fed by a multi-phase A. C. circuit, comprising a current transformer having a primary in one phase of the A. C. circuit, a voltage transformer having a primary connected across another phase of said A. C. circuit, series-connected resistance loads respectively fed by the secondaries of said transformers, a third resistance load connected in series with said two resistance loads, the values of the resistances being such that the secondary voltage of said voltage transformer bucks out substantially all of the secondary voltage of said current transformer when the motor is idling.

2,498,058
PHOTOGRAPHIC FILM HOLDER FOR USE IN DEVELOPING
Peter S. Woitovitch, Windsor, Conn.
Application May 21, 1947, Serial No. 749,586
12 Claims. (Cl. 242—77)



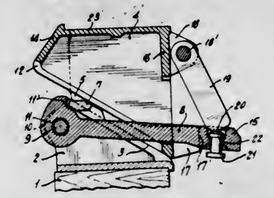
1. A film holder for use in a developing tank comprising in combination, two spaced similar inner discs provided with similar spiral slots in longitudinal register with each other and extending inward from the disc peripheries, a central longitudinal tube connecting the inner discs to hold them in fixed relationship, two similar outer discs adjacent the outer faces of the inner discs and provided respectively with two similar radial slots constituting a pair of such slots in longitudinal register with each other, a core member extending through the central tube and connected with the outer discs to hold them in fixed relationship, and a longitudinal rod extending through the spiral slots in the inner discs and into the radial slots in the outer discs, the said rod in its outermost position being adapted for the attachment thereto of the end of a film and the said rod upon relative rotation of the outer and inner discs being movable inward along the spiral slots in the inner discs so as to carry the film with it and so as to position the film between the outer discs and with its edges in the spiral slots in the inner discs.

2,498,059
MODULATION OF HIGH-FREQUENCY GENERATORS
Walter J. Albersheim, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 11, 1947, Serial No. 791,069
2 Claims. (Cl. 332—52)



1. Apparatus for supplying to a resistance load, phase distortionless amplitude modulated high frequency oscillations derived from a constant amplitude constant frequency source, without altering the impedance presented to said source, which comprises a first series combination of a first resistance element in series with a first variable reactance of given sign connected across said source, a second series combination of a second resistance element in series with a second variable reactance of sign opposite said given sign and a third variable reactance of sign opposite said given sign, said first and second series combinations being connected in parallel, and a third series combination comprising said load as a third resistance element in series with a fourth variable reactance element of given sign, said third series combination being connected in parallel with the series connected second resistance element and second variable reactance, and means for varying the two reactance elements of given sign simultaneously with reciprocal variations of the two reactances of sign opposite said given sign in a preassigned manner under control of a modulating signal, whereby the impedance presented to said source is maintained constant and the said modulated oscillations delivered to said load are free of phase distortion.

2,498,060
SOCKET FOR PIT PROPS
Georges Allimann, Mulhouse, France
Application February 4, 1949, Serial No. 74,689
In Switzerland February 9, 1948
7 Claims. (Cl. 248—357)

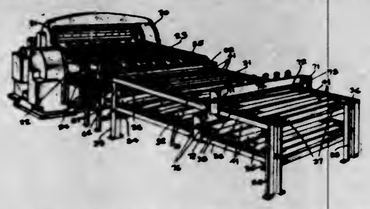


1. In a socket for a pit prop comprising two wedge members slidably mounted one above the other, said members releasably coupled together in the use position by a coupling rod which after release of the locking member is movable into the uncoupling position by raising the head of the coupling rod, said coupling rod projecting from the front face of the upper wedge member, the head of the said coupling rod provided with a control member, said control member cooperating with a locking member and projecting from the underside of the head of the coupling rod when the locking member is engaged, the whole arrangement being such that by striking a blow on the underside of the head the coupling rod is first unlocked by driving up the control member and thereafter the coupling is disengaged.

2,498,061
STOCK TAKE-OFF APPARATUS
Charles W. Apgar, Philadelphia, Pa., assignor, by mesne assignments, to Abraham L. Rosenfeld, Charles W. Apgar, and Fredric R. Mann, Philadelphia, Pa., as trustees
Application September 14, 1944, Serial No. 554,092
14 Claims. (Cl. 271—76)

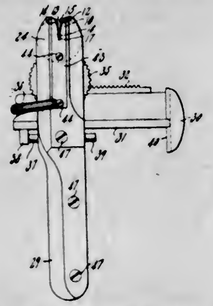
1. In an apparatus for handling and distributing stock delivered in sheet form from a main fabricating apparatus having a pair of stock discharge conveyors, a pair of stock take-off conveyors disposed in vertically spaced relation and respectively adapted to receive stock discharge from said stock discharge conveyors, said take-off conveyors being each operable to deliver the stock in a direction angularly related to the direc-

tion of its discharge from the stock discharge conveyors, and drive means interposed between



said stock discharge conveyors and said stock take-off conveyors for operating the latter in opposite directions relatively to each other.

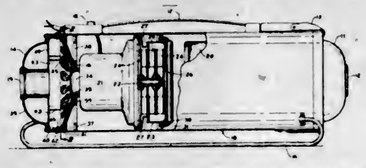
2,498,062
WIRE SPLICER
Alan E. Aune, Lowell, Mass., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 3, 1945, Serial No. 608,792
3 Claims. (Cl. 140—119)



2. A wire splicer comprising two fixed spaced clamping members having clamping jaws and a rotatable clamping member positioned between said members, said rotatable member comprising a plate having radially converging clamping jaws, a gear fixed to each side of said plate, each of said gears having trunnions upon which said gears and plate are mounted, an axial bore extending through said trunnions and gears, said gears and trunnions having an axially extending slot in radial alignment with the space between said jaws, a frame in which said clamping members are mounted, a hand grip on said frame, means on said frame adapted to be actuated by the operator's hand on said grip for actuating said gears, and stops for arresting said actuating means at the end of each rotative movement of said rotatable member with all clamping jaws in radial alignment.

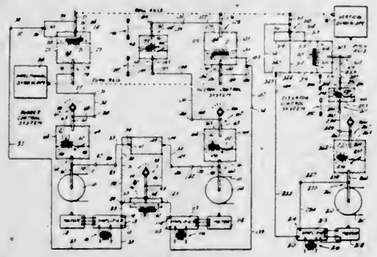
2,498,063
SUCTION CLEANER
Elmer C. Binggely, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 7, 1946, Serial No. 695,396
8 Claims. (Cl. 183—49)

1. In a suction cleaner, a casing, suction-creating means in said casing for moving air therethrough, a removable end cap closing one end of said casing, a wall extending transversely of said casing and supported by the latter and apertured for passage of air therethrough, means in said wall forming a filter support, means in said end cap forming another filter support, and a filter for removing dirt from said moving air



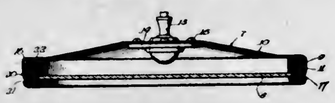
and having its inner peripheral edge seated in said filter support in said transverse wall and its outer peripheral edge seated in said another filter support in said end cap.

2,498,064
STABILIZING APPARATUS FOR AIRCRAFT
George L. Borell, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 28, 1944, Serial No. 524,179
18 Claims. (Cl. 244—77)



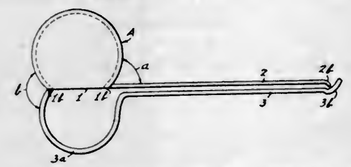
11. Control apparatus for an aircraft subject to change in attitude, comprising: normally manually operable control means effective upon said craft to overcome said change in attitude, and means responsive to change in the relative lift exerted upon cooperating airfoil surfaces of said craft to independently operate said normally manually operable means, said last mentioned means including means prolonging the duration of the response to said change in relative lift.

2,498,065
VEHICLE REARVIEW MIRROR STRUCTURE HAVING AN ELASTIC MOUNTING BAND
Frances Budreck, Chicago, Ill., assignor to Monarch Tool & Machinery Co., Chicago, Ill., a corporation of Illinois
Application December 23, 1947, Serial No. 793,344
6 Claims. (Cl. 88—96)



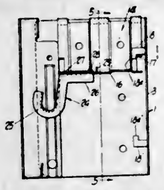
1. As a new article of manufacture, a rear view mirror structure comprising a shell in the form of a rear wall and a continuous side wall connected to, and projecting in one direction from, the margin of the rear wall and provided at its outer margin with a continuous inwardly extending flange, a mirror plate positioned in spaced relation with the rear wall of the shell and having the margin thereof disposed adjacent, but spaced inwards from, the flange, and a removable functionally continuous mounting band of rubber-like material disposed for the most part within the side wall, having the outer periphery of the inner part so tapered in the direction of the rear wall that its small sized inner edge is smaller than the space within the inner edge of the flange and serves as a centering and piloting medium for the band in connection with mounting thereof with respect to the shell, and embodying between its inner and outer parts a functionally continuous internal groove in which the margin of the mirror plate fits snugly and a functionally continuous external seat forming groove in which the inwardly extending flange of the shell side wall is firmly seated.

2,498,066
BOBBY PIN
Edward L. Challinor, Los Angeles, Calif.
Application August 19, 1947, Serial No. 769,445
5 Claims. (Cl. 132—50)



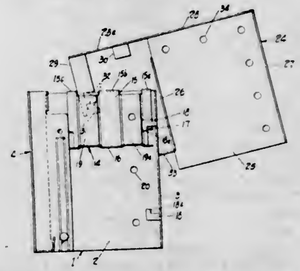
1. In a device of the character described; a resilient operating member having an elliptical rim; a pair of coacting arms rigidly attached to the rim and extending therefrom at diametrically opposed sections thereof, which sections are located at the normal minor axis of the ellipse; the arms projecting in a direction along the normal minor axis, with one arm normally overlying the other to grip material therebetween; the rim of the operating member being compressible along its normal major axis to expand the rim along its normal minor axis, thereby moving the arms apart in a direction at right angles to the plane of the rim; the operating member having a "set" to restore the rim to normal when compressive pressure is released along the normal major axis, thereby moving the arms toward one another again.

2,498,067
VENETIAN BLIND BRACKET
Henry B. Chatfield, Cleveland, Ohio, assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio, a corporation
Application April 21, 1948, Serial No. 22,437
13 Claims. (Cl. 248—264)



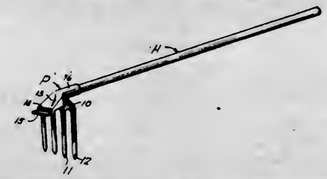
1. A Venetian blind bracket of the class described, comprising, in combination, a main supporting bracket member including a main body portion and a flange portion extending from the main body portion at an angle thereto, a separate Venetian blind head rail supporting member, and means for securing said members together including hook means on the latter member engageable with an upper portion of the first member for supporting said latter member on the first member and mutually cooperable locking means on each of said members including a locking member on said flange portion, and a locking member on said head rail supporting member interlockingly cooperable with the first locking member.

2,498,068
VENETIAN BLIND BRACKET AND EXTENSION MOUNTING MEANS THEREFOR
Henry B. Chatfield, Cleveland, Ohio, assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio, a corporation
Application April 21, 1948, Serial No. 22,439
13 Claims. (Cl. 248—264)



1. Venetian blind bracket means of the class described, comprising, in combination, a main Venetian blind bracket supporting member, a separate extension bracket member, and means for securing said members together including means on the latter member engageable with an upper edge of the first member for supporting said latter member on the first member, and mutually cooperable locking means on said members.

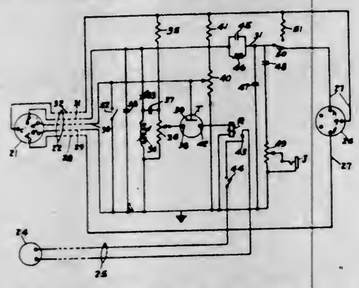
2,498,069
GARDEN TOOL
Harold Clayden, Philadelphia, Pa.
Application May 9, 1944, Serial No. 534,724
2 Claims. (Cl. 254—131.5)



2. A garden tool of the character described comprising a prong assembly consisting of a back from which depend a plurality of prongs, the points of said prongs being remote from said back, a socket member extending from one face of said back in a direction substantially normal to said prongs, a fulcrum element extending from the opposite face of said back and having a ground engaging surface spaced from said prongs and in a plane that is closer to said points than said socket, the edge of said ground engaging surface

that is remote from said prongs being at a distance from said prongs which is less than the length of said prongs, and a handle element having one end fitted in said socket.

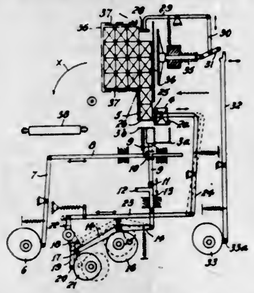
2,498,070
CONTROL MEANS FOR SOUND-SLIDE FILM PROJECTORS
Sidney B. Coleman, Basking Ridge, N. J.
Application October 23, 1946, Serial No. 705,172
11 Claims. (Cl. 88—28)



1. For use with a sound-slide film projector apparatus and a loud speaker wherein currents representing sounds of different types come simultaneously in amplified form from said apparatus for transmission to the loud speaker and wherein certain components of said currents come in spaced relation, in synchronism with scenes on the film, said sounds of different types including one which has a frequency preferably higher than is essential for satisfactory quality of speech and music, said one higher frequency sound serving as a signal for moving the film on the projector; electronic connecting means interposed between the loud speaker and said projector apparatus, said electronic connecting means acting to filter out said signal currents from those going to the loud speaker, said electronic means including a cold cathode gas triode tube having a starter electrode and a series resonant circuit including an inductance and condenser tuned to the frequency of the signal currents and connected through another condenser to a potentiometer connected to the starter electrode of said tube, a resistance connected to the junction of the last-mentioned condenser and the potentiometer and forming therewith a voltage divider circuit for maintaining a positive bias on the starter electrode somewhat lower than its firing potential for the purpose described.

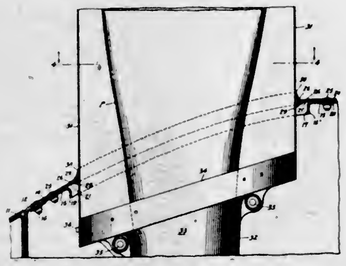
2,498,071
MEANS FOR STACKING ARTICLES INTO LAYERS
William Dalziel and John William Gray, Bebington, England, assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Application December 20, 1947, Serial No. 792,986
In Great Britain September 19, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 19, 1966
12 Claims. (Cl. 214—6)

4. Stacking apparatus which comprises a fixed slotted platform; a slotted carrier movable through said platform; means for assembling a row of articles on a portion of said platform; means for moving said carrier through said platform to raise rows of articles already stacked on another portion thereof and to insert an assembled row beneath said raised rows; a fixed magazine open at both ends and adapted to have placed over one end thereof a carton to be filled with said articles; inserting means for inserting



a layer of said stacked articles into the other end of said magazine; means for causing said inserting means to operate only on completion of a layer.

2,498,072
BLADE SEAL FOR PROPELLER SPINNERS
George A. Dean, Radburn, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 24, 1945, Serial No. 612,460
7 Claims. (Cl. 244—134)

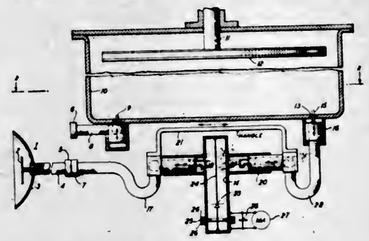


6. In a propeller blade to spinner connection in aircraft, in combination, a blade, a spinner having an opening through which the blade passes, a closure ring fitted at its exterior edge in the inner edge of said opening and having an inside edge spaced from the surface of said blade, and a continuous resilient gasket embracing said blade having a peripheral channel within which is fitted the inside edge of said ring, said gasket having an inner tapered lip engaging the surface of said blade, said gasket having therein a conduit embracing the blade and having therein a plurality of ducts opening at their ends to said conduit and to the outer surface of said lip.

2,498,073
MICROWAVE ELECTRICAL TESTING SYSTEM
William A. Edson, Atlanta, Ga., and Ira G. Wilson, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1946, Serial No. 669,046
2 Claims. (Cl. 171—95)

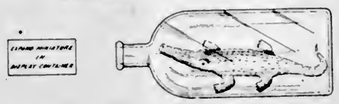
1. A microwave detecting system comprising a closed hollow casing of electrically conductive

material, a fixed coupling element mounted therein, a detector connected to the coupling element and a meter connected to the detector and a pair of movable coupling elements also



mounted in said casing for simultaneously reciprocating motion therein and means for moving said movable elements to bring one or the other selectively into energy transfer relation with the fixed coupling element.

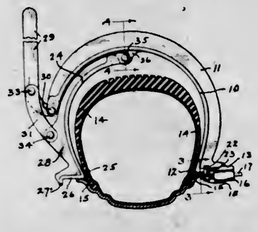
2,498,074
METHOD OF MAKING NOVELTY DISPLAYS
John E. Feldman, Garfield, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 28, 1948, Serial No. 29,885
2 Claims. (Cl. 18—47.5)



1. A method of forming a relatively large solid object in a relatively small-mouthed transparent container, said object being of such size and characteristics that it cannot be passed through the mouth of said container, which comprises molding under heat and pressure a plastic composition comprising polyvinyl chloride, a plasticizer therefor, and a chemical blowing agent capable upon heating of generating an expanding gas, into the shape of said object but in miniature thereof and of such size that it can be introduced through the mouth of said container, conducting said molding step at a temperature sufficiently elevated to decompose said blowing agent with generation of said gas and to effect solution of said polyvinyl chloride in said plasticizer to form a material which is solid at room temperature, conducting said molding step under such pressure that said gas is held in the resulting plastic composition, cooling the molded article while confined in the mold until it is rigid enough to retain said gas without expanding substantially, introducing the cooled molded miniature article into said transparent container through the mouth thereof, and then heating said article in said container and causing it to expand to said relatively large solid object of such size and characteristics that it cannot be passed through the mouth of said container.

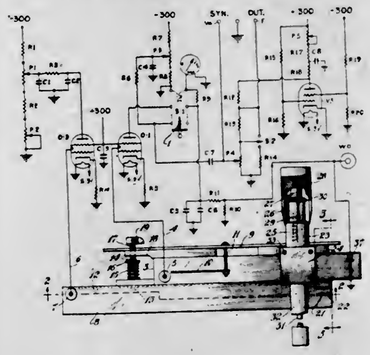
2,498,075
HAND TOOL FOR BREAKING LOOSE TIRE CASING FROM ITS RIM
John H. Fishback, Noblesville, Ind.
Application February 14, 1946, Serial No. 647,497
1 Claim. (Cl. 157—1.28)

In a tire tool for breaking a tire casing loose from a rim, an arcuate jaw formed to reach from an edge of the rim around over the casing and terminate intermediate the tread of the casing and the edge of the rim opposite said first edge; a second jaw hinged to said first jaw intermediate its ends and extending under and beyond said first jaw around and down to said opposite rim edge; a lever having one end hinged to the overlying end of said first jaw; a link hingedly connected by one end to said second jaw intermediate the ends thereof and by its other end to said



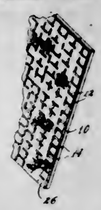
lever; a spring urged latch bar carried on said first jaw at said first rim edge end, said latch bar formed to abut said first rim edge with a portion extending under that edge to prevent lifting of said first jaw therefrom; and said second jaw having a foot to bear on said opposite rim edge; and a downturned foot spaced outwardly a distance on said foot to abut the said opposite rim edge following a predetermined inward travel of the first foot.

2,498,076
WIDE-RANGE SWEEPING OSCILLATOR
Harry R. Foster, East Orange, N. J., assignor to Ohmega Laboratories, Pine Brook, N. J., a partnership
Application September 24, 1947, Serial No. 775,826
12 Claims. (Cl. 250—36)



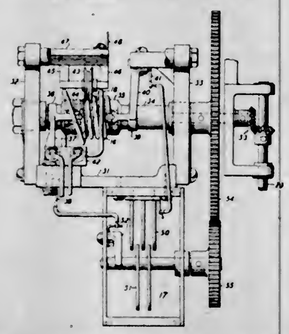
1. A radio structure including two ultra-high frequency oscillators, a wave guide for each oscillator with means for taking the energy output of each oscillator to its guide, means for passing the energy of certain of the waves from one guide into the other, a detector preferably of the crystal type located in said other guide and acting to take energy from the two waves passed into said guide and producing a signal current capable of being varied over a wide frequency range.

2,498,077
STIFFENED CLOTH
Hermine Goldberg, Omaha, Nebr., assignor of one-half to Ralph D. Goldberg, Omaha, Nebr.
Application March 13, 1948, Serial No. 14,689
2 Claims. (Cl. 28—79)



1. A stiffened material for belts, brassières, shoulder pads and collars consisting of a fabric of felted wool fibers provided with rows of stitching extending across the fabric substantially at right angles with respect to each other, said rows of stitching being spaced closely so that adjacent rows of stitches engage the same fibers of the fabric to prevent breakdown of the fibers of the fabric when said stiffened material is laundered.

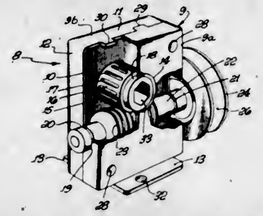
2,498,078
COMMON CONTROL FOR ELECTRICAL TUNERS AND COUPLERS
Arthur E. Harrison, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1945, Serial No. 585,627
3 Claims. (Cl. 250—40)



1. In combination, a variable capacitor, an inductor having a variable tap and being connected in parallel with said variable capacitor, an output circuit connected to said variable tap, and a drive for simultaneously operating said variable capacitor and said variable tap at different speeds to vary said capacitor through its range of variations a plurality of times for each single variation of said tap through its range.

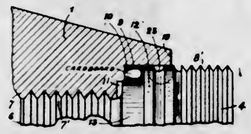
2,498,079
TILTING MECHANISM FOR VENETIAN BLINDS
Joseph L. Hunter, Riverside, Calif., assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif., a corporation of Delaware
Application March 24, 1945, Serial No. 584,654
1 Claim. (Cl. 160—177)

A tilting mechanism for Venetian blinds comprising a pair of complemental housing members disposed face to face with their corresponding edges abutting against one another, each of said housing members being of rectangular box-like shape, two opposite walls of each housing member being formed with aligned semi-circular notches, the notches of one housing member being in registration with the notches of the other housing member and cooperating therewith to form two axially aligned bearing apertures, a worm shaft having two circumferential grooves formed therein, said grooves being spaced apart axially the same distance as said two opposite walls of said housing members, and each groove being of substantially the same width as



the thickness of the housing wall, the marginal edges of said bearing apertures being received within said grooves to provide direct journal support for said worm shaft and serving also to constrain the shaft against endwise movement, the bottom walls of said housing members being medially apertured, a transverse worm wheel shaft journaled in said last-named apertures, and fastening members parallel to the worm wheel shaft for holding said housing members together, the engagement of said opposite walls in said circumferential grooves in said worm shaft serving also to prevent displacement of the edges of one housing member with respect to those of the other.

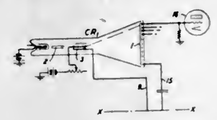
2,498,080
PROJECTILE EQUIPPED WITH FINS
Joseph Raymond Jasse, Paris, France, assignor to Etablissements Edgar Brandt, Paris, France, a French company
Application May 24, 1947, Serial No. 750,253
In France June 5, 1946
4 Claims. (Cl. 102—49)



1. In a projectile equipped with fins, a hollow body provided at the rear with a tapped orifice followed in the outward direction and axially by a first cylindrical recess, then by a second rear one of larger diameter and connected at right angles to the former by a flat surface perpendicular to the longitudinal axis of said body, a nipple screwed in said tapped orifice and provided with two ground cylindrical bearing surfaces of different diameters, corresponding to the diameters of said recesses, said surfaces being axially stepped, connected by a flat surface perpendicular to the longitudinal axis of said nipple and respectively engaged in said recesses and the bearing surface engaged in the first cylindrical recess having an axial length greater than that of said recess so that an annular space

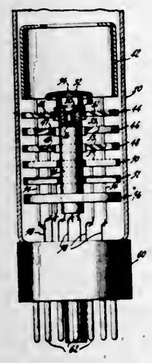
of rectangular longitudinal radial section is left in said second rear recess by said nipple, a deformable metallo-plastic fluid-tight annular seal located in said annular space and compressed by said nipple between said flat surfaces, and a tail provided with fins and connected to said hollow body by means of said nipple.

2,498,081
ELECTRONIC COUNTING
Amos E. Joel, Jr., New York, and Robert O. Soffel, Hastings on Hudson, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1944, Serial No. 570,440
9 Claims. (Cl. 315—21)



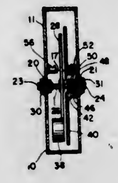
1. In an electronic switching circuit, a source of alternating current, cathode ray means comprising a plurality of discrete target anodes, said means being adapted to direct an electronic beam on each of said anodes in progressive step-by-step succession, means energized and controlled by said alternating current to produce an electrical potential which is reduced in substantially equal steps to control the progressive movement of said beam, and other means responsive to a beam impinging on certain of said anodes to cause said anodes to be cyclically retraversed by a beam during production of said electrical potential.

2,498,082
GUN STRUCTURE FOR CATHODE-RAY TUBES
Ralph E. Johnson, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 19, 1947, Serial No. 792,797
11 Claims. (Cl. 250—175)



8. A cathode ray discharge device comprising an evacuated envelope, an electron gun structure within said envelope for producing an electron beam along a path including a cathode electrode and an apertured spherical plate spaced therefrom transversely along said beam path and arranged with the concave side of said plate facing said cathode electrode, a target electrode within said envelope transverse to said electron beam path for returning a part of said electron beam along said path, said spherical plate arranged between said cathode electrode and said target, the convex surface of said spherical plate being of a material providing secondary emission when struck by the primary electrons of said return beam, a multiplier unit including a persuader electrode mounted within said envelope between said spherical plate and said target electrode for suppressing low velocity secondary electrons from said plate surface, and a collector electrode spaced from said persuader electrode on the concave side of said spherical plate.

2,498,083
POCKET CLINOMETER
Rollis A. Kennedy and Cecil A. Harms, Seattle, Wash.
Application July 10, 1948, Serial No. 38,008
3 Claims. (Cl. 33—215)



1. In a pocket clinometer, of the type having an upper housing member and a lower housing member hingedly secured together; a latch adapted to hold said upper housing member in closed engagement with said lower housing member; a top plate for said lower housing member having a slot extending lengthwise thereof; trunnion bushings secured in axial alignment near the upper margin of said lower housing member; trunnion screws adapted to be adjustably positioned within said trunnion bushings; means for locking said trunnion screws in adjusted position; a trunnion pin axially disposed with respect to said trunnion screws and to be rotatably supported between the same; an indicator fixedly secured to said trunnion pin and adapted to revolve therewith; an upwardly extending indicator pointer and a downwardly extending weight-supporting arm formed as part of said indicator; an indicator weight secured to said weight-supporting arm; and a graduated circular dial, the improvement, comprising: a hub extending outwardly from said dial, adapted for rotary positioning upon one of said trunnion bushings; an annular V friction groove formed on the surface of said dial hub; a friction member mounted on said top plate with a flange extending downward through said slot, the lower friction edge of said flange being concave and fitting into said V friction groove, releasing screws running through said friction member into said top plate providing means whereby the graduated dial may be rotated and fixed in a desired position.

2,498,084
INTERPOLYMERS OF FUMARIC ESTERS AND A CHLORINATED ALKENE
Jerome G. Kuderna, Jr., Passaic, N. J., and Robert H. Snyder, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 19, 1946, Serial No. 663,616
6 Claims. (Cl. 260—78.5)

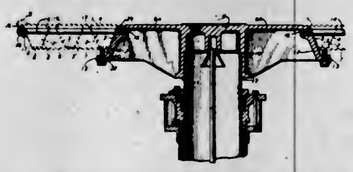
1. A soluble unsaturated binary copolymer of a di-2-alkenyl fumarate selected from the class consisting of diallyl fumarate, dimethallyl fumarate, and di(2-chloroallyl) fumarate and a chlorinated-alkene having from three to four carbon atoms prepared from a mix in which the said alkene ranges from 10–500% by weight based on the weight of the fumrate.

2,498,085
SHOES TO BE USED ON SKIS
Joakim Lehmkuhl, Oslo, Norway
Application July 15, 1948, Serial No. 38,792
In Norway July 18, 1947
5 Claims. (Cl. 36—2.5)



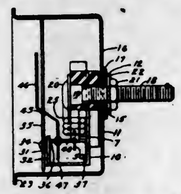
1. Improvement in shoes adapted to be used on skis, characterized by the fact that means are provided under the rear part of the same, adapted to engage with the binding on the ski, and thereby to limit the lifting of the heel of the shoe from the same, the heel on the shoe being further provided with a groove adapted to receive the said fastening means on the ski binding when out of action.

2,498,086
VEHICLE LIFT
Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain
Application October 12, 1946, Serial No. 703,062
In Great Britain November 1, 1945
18 Claims. (Cl. 254—89)



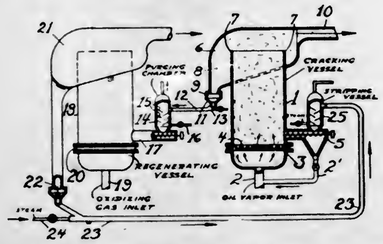
1. In a vehicle lift having a ram, the combination of a headpiece on the upper end of said ram including oppositely disposed track supporting structure, a pair of longitudinally extending vehicle supporting tracks, each of said tracks including longitudinally extending vertically spaced tension and compression members, means forming a plurality of longitudinally extending transversely spaced webs disposed between said tension and compression members for resisting the forces acting thereon, and reinforcing structure for said tracks including a plurality of distance pieces extending between said longitudinally extending webs intermediate the ends thereof and arranged in transverse relation with respect thereto for resisting transverse forces acting on said tracks, and means for attaching said vehicle supporting tracks to the supporting structure on said head.

2,498,087
UNITARILY MOUNTED ELECTRICAL MEASURING INSTRUMENT
Ambrose E. Le Van, Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application April 12, 1946, Serial No. 661,900
6 Claims. (Cl. 171—95)



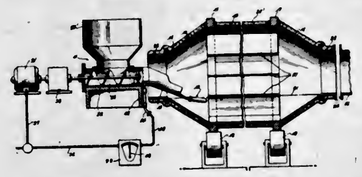
1. In an electrical instrument of the vane type, in combination, a spindle, a soft iron vane attached to said spindle, a brass plate movably supporting said spindle to one side of the plate, a stationary permanent U-shaped magnet whose poles are symmetrically placed to the spindle axis, but on the opposite side of the brass plate, a flat electrical coil into which one end of the soft iron vane is adapted to swing, terminals for the instrument, a single molded piece having recesses which support and align said brass plate, and the U-shaped magnet and terminals and projecting arms passing through the coil and locating it.

2,498,088
CONVERSION OF HYDROCARBONS WITH SUSPENDED CATALYST
Warren K. Lewis, Newton, and Edwin R. Gilliland, Arlington, Mass., assignors to Standard Oil Development Company, a corporation of Delaware
Original application January 3, 1940, Serial No. 312,200. Divided and this application October 23, 1945, Serial No. 624,044
7 Claims. (Cl. 196—52)



1. A method of operating a catalytic conversion system which comprises introducing a stream of hydrocarbons into the lower portion of an enlarged reaction zone, introducing finely divided catalyst into said reaction zone, passing the hydrocarbons in vapor form upwardly through the reaction zone at a velocity sufficient to carry overhead from said zone substantially all of the catalyst particles therein contained, maintaining the rate of introduction of the catalyst thereto sufficient to provide a mobile, turbulent, substantially liquid-like suspension of catalyst and vapor in the reaction zone having a catalyst concentration of upwards of 3% by volume, withdrawing vaporous conversion products from the upper end of the reaction zone, withdrawing catalyst containing entrained vapors from the reaction zone, stripping the catalyst to remove entrained vapors therefrom, introducing the stripped catalyst into an enlarged regeneration zone, passing regeneration gas upwardly through the regeneration zone at a velocity sufficient to carry overhead from said zone substantially all of the catalyst particles contained therein, maintaining the rate of introduction of catalyst to said regeneration zone sufficient to provide a mobile, turbulent, substantially liquid-like suspension of catalyst and regeneration gas in the regeneration zone having a catalyst concentration upwards of 3% by volume, withdrawing regenerated catalyst from the regeneration zone and returning regenerated catalyst to the reaction zone.

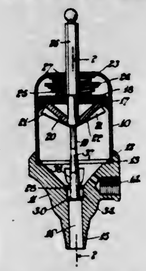
2,498,089
LEVEL CONTROLLER
Alfred Lippman, Jr., Weeks, La., assignor, by mesne assignments, to Morton Salt Company, Chicago, Ill., a corporation of Illinois
Application February 9, 1945, Serial No. 577,091
2 Claims. (Cl. 23—278)



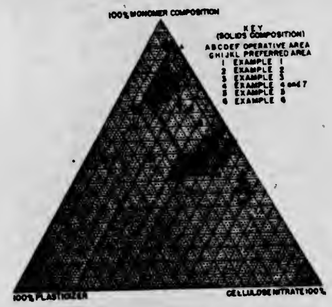
1. In combination in a sulfur burner a hollow generally cylindrical burner body constructed to hold a pool of fluid sulfur of extensive surface upon which combustion of the sulfur is maintained, said body being mounted for continuous rotation on a generally horizontal axis and having heads with central openings limiting the level of the pool, one of said openings being an inlet opening and the other being an outlet opening, feeding means for delivering sulfur into the body through said inlet openings, a thermostat comprising an element responsive to the attainment by it of a predetermined temperature disposed within the chamber and lying partly below and partly above a predetermined plane which represents the desired level of the pool determined by said outlet opening, and a fixed support for said thermostat extending from outside said burner body through one of said openings independently of the walls of the burner body, and means under the control of the temperature responsive element for controlling the operation of the feeding means to introduce more sulfur when the temperature responsive element is exposed to greater heating by lowering of the level of the burning pool and attains said predetermined temperature.

2,498,090
LUBRICATOR
John Franklin MacIndoe, Philadelphia, Pa.
Application December 1, 1944, Serial No. 566,081
7 Claims. (Cl. 184—45)

1. A lubricator comprising a lubricant container having an outlet for connection to a bearing to be lubricated, means in said container for expelling the lubricant through said outlet, said expelling means including a resiliently actuated piston member and members carried by said piston member for imparting a rotary motion to the lubricant.



2,498,091
CELLULOSE NITRATE COATING COMPOSITIONS
Walter K. Moffett, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 14, 1947, Serial No. 754,727
11 Claims. (Cl. 260—17)



8. A sprayable, high solids coating composition in which the solids content comprises 8–45% of 18–23 centipoise cellulose nitrate, 42–89% of polymerizable dimethacrylate esters of a mixture of glycols each having the formula

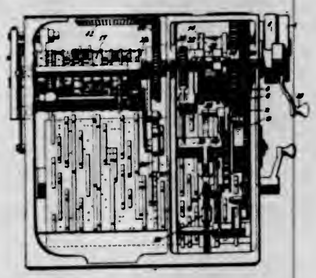
$$HO(CH_2—CH_2—O)_nH$$

wherein n is an integer, the weighted average molecular weight of the glycol mixture being between 100 and 300, 0.5–25% of a compatible plasticizer, and a pigment.

2,498,092
PATTERN MECHANISM FOR KNITTING MACHINES
Albert E. Page and Frank R. Page, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application April 17, 1946, Serial No. 662,866
2 Claims. (Cl. 66—155)

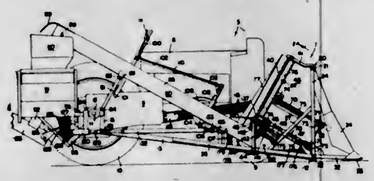
1. In a knitting machine, a primary pattern device, a cyclically operating main pattern device, means for imparting advancing steps to said main pattern device under control of said primary pattern device, said means being additionally manually controllable for effecting periodic advance, at a maximum frequency, of the main pattern device independently of said

primary pattern device, a cyclically operating auxiliary pattern device, means controlled by the main pattern device for initiating movement of said auxiliary pattern device, additional means for advancing the auxiliary pattern device after its movement is initiated by the main pattern



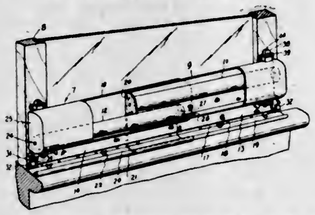
device, and means insuring that the auxiliary pattern device shall finish each of its movements prior to a subsequent initiation of its movement by the main pattern device when the latter is advanced at said maximum frequency, so that said pattern devices cannot get out of time.

2,498,093
CORN HARVESTER
Louis A. Paradise, Wilbur J. Coultas, and Norman F. Andrews, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 13, 1944, Serial No. 530,900
11 Claims. (Cl. 56—18)



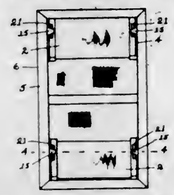
11. A corn harvester for use with a tractor, comprising: a pair of push bars having provision for pivotal attachment to the tractor to extend forwardly along opposite sides of the tractor for vertical movement relative to the tractor; a generally rectangular frame positionable across the front of the tractor in a normally vertical position and fixed to the forward ends of said bars and swingable vertically therewith; bracing members between said bars and said frame, the latter including a pair of upper and lower transversely disposed supporting members, a plurality of gatherers mounted on said transverse frame members and extending forwardly therefrom; a rotatable shaft disposed vertically between each pair of adjacent cooperable gatherers and journaled on said upper and lower frame members; rotary knives mounted on each shaft adjacent the upper and lower ends thereof, respectively; cutter bars fixed to said upper and lower members and adapted to cooperate with said knives for severing the stalks from the ground and for cutting the tops from the stalks, respectively; snapping rolls disposed behind said rectangular frame and journaled thereon; and means for moving the cut stalks rearwardly through said frame and presenting them to said snapping rolls.

2,498,094
EXTENSION ROLLER SCREEN
Joseph B. Plaum, Toronto, Ontario, Canada
Application April 10, 1946, Serial No. 660,975
In Canada April 1, 1946
2 Claims. (Cl. 160—29)



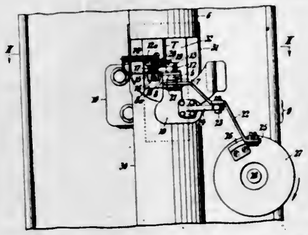
1. In a roller screen mounted in a window frame and having a casing extending horizontally between opposite side faces of a window sash in said frame and housing a spring roller from which is stretched screening material, said material having its free end attached to a horizontal element of said window frame; means for closing off the space between a side edge of the stretch of screening material and the adjacent side face of said window frame, said means comprising an arm pivoted at an end thereof on said casing and swingable to and away from said screening material, a roller mounted on the swinging end of said arm, a ribbon of pliant material wound on said roller and extended therefrom to overlap said side edge of the screening material, a free end of said ribbon being attached to said horizontal element, and a spring urging said arm and pressing said roller inwardly toward said screening material and holding the ribbon material on the roller in contact with the screening material to effect a friction drive for unwinding and winding of the ribbon according to the movement of the casing attendant upon the opening and closing of the window.

2,498,095
STORM SHIELD AND VENTILATOR FOR WINDOW SCREENS
Charles R. Risney, Chadwicks, N. Y.
Application July 23, 1947, Serial No. 763,040
4 Claims. (Cl. 98—99)



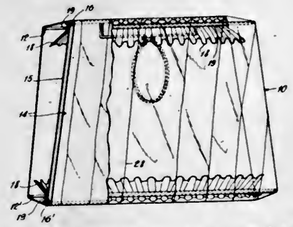
1. In a storm shield and ventilator for window screens, a screen frame, brackets mounted on said screen frame for holding a plate glass thereto, each of said brackets having two side walls formed at right angles to each other, a support perpendicular to said side walls formed at the lower end of said brackets, a lug extending outwardly from one of the side walls and parallel to and spaced from the other of said side walls, said lug located near the upper part of said walls, for holding the glass to said frame and said support leaving space, whereby to allow said glass to be inserted from above or below said brackets and a wedge disposed between said lug and said glass, whereby to hold said glass from rattling.

2,498,096
CUTTING MECHANISM FOR KNITTING MACHINES
John Henry Schaefer, Jr., Boyertown, Pa., assignor to The Vaughan Knitting Company, Inc., Pottstown, Pa., a corporation of Pennsylvania
Application May 27, 1948, Serial No. 29,497
10 Claims. (Cl. 66—147)



1. Cutting mechanism for a circular knitting machine which continually produces a string of individually pressed-off stocking blanks or the like in succession with one blank connected to the next by a longitudinally-extending segment of one of the knitting threads, said mechanism including a severing device; means for supporting the severing device in a normally retracted position out of the path of the string of blanks coming from the machine; and means actuated during each blank knitting cycle to advance the severing device into cutting position in the interval between a contiguous pair of the blanks of the string and incidentally operate it to sever the thread segment connecting the blanks of such pair.

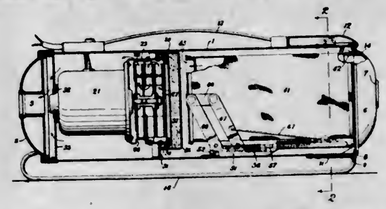
2,498,097
MEANS FOR ENCASING LAMP SHADES AND OTHER ARTICLES
Adolph Scherer, New York, N. Y.
Application July 14, 1945, Serial No. 605,122
6 Claims. (Cl. 240—108)



1. Encasing means for a lamp-shade, said means comprising outwardly extending hangers adapted to be secured to the margins of the shade; upper and lower outer supporting means secured to the outer ends of the hangers and extended around the shade; and flexible protective material wound around the supporting means and the inner face of the shade.

2,498,098
SUCTION CLEANER
Louis E. Segesman, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 13, 1945, Serial No. 599,147
5 Claims. (Cl. 183—54)

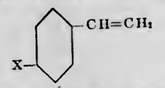
1. In a suction cleaner, an elongated casing, means to support said casing movably with its major axis extended horizontally, a removable cover for the end of said casing, said casing, with said cover removed, presenting an open end adapted to seal upon a supporting surface to support said casing with its major axis extended vertically, a filter bag in said casing with its open end opening toward the open end of said casing, a frame supporting the closed end of said bag, frame-supporting means movably supporting said frame, spring means exerting a force to move



said frame from said open end to draw taut the side wall of said bag, a slide connected to said frame-supporting means, a pivoted lever movable to slide said slide to move said frame-supporting means toward said open end, said lever being adapted to release said slide so that said spring means can return said frame-supporting means to its original position abruptly to dislodge collected foreign material, and means on the outside of said casing to actuate said lever.

2,498,099
INTERPOLYMERS OF STYRENE, FUMARIC ESTERS, AND CHLORINATED ALKENES
Pliny O. Tawney and Jerome G. Kuderna, Jr., Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 19, 1946, Serial No. 663,617
8 Claims. (Cl. 260—78.5)

1. A soluble unsaturated interpolymerizate of a vinyl-aromatic compound of the formula

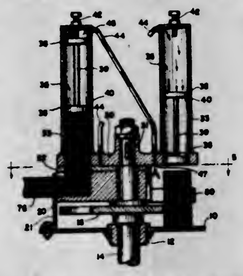


where X is a radical selected from the group consisting of hydrogen, methyl, and chlorine, a compound selected from the group consisting of diallyl fumarate, dimethallyl fumarate, and di-(2-chloroallyl) fumarate, and a chlorinated alkene having from 3 to 4 carbon atoms, prepared from a mix having by weight, based on the fumarate, from 1–500% of the vinyl-aromatic monomer and 10–500% of the said alkene.

2,498,100
FLUID OPERATED MATERIAL EJECTOR FOR ROTARY CAN FILLING MACHINES
William G. Tyrrell, Seattle, Wash.
Application March 1, 1948, Serial No. 12,361
4 Claims. (Cl. 226—97)

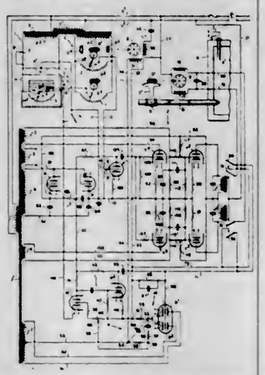
1. A can-filling machine for filling cans with materials which are fluid under pressure, consisting of: a vertically disposed revolvable shaft; a toothed, can-transporting wheel secured to said shaft and adapted to revolve in a plane normal to said shaft; a fixed can filler handling block disposed above said wheel; a block covering plate, fixedly secured with respect to said block and overlapping it in the path of can travel; a piston

head plate revolvably mounted on said shaft; an air supply and exhaust port in said head plate; a plurality of vertically disposed cylinders mounted on the upper surface of said head plate, concentric with said shaft; openings in said head plate for each cylinder; a cylinder air port at the top of said cylinder; an air tube connecting said cylinder port and said air port in said head plate, adapted to act alternately as an air supply and an air exhaust line; a piston disposed for reciprocation within said cylinder; a stop to limit the downward travel of said piston; an adjustable



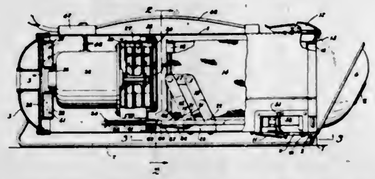
stop adapted to limit the upper travel of said piston and to provide a volume control of the filling materials delivered; a fixed air supply port in said handling block and said covering plate adapted for cyclic engagement with the air port in said head plate; means for supplying air under pressure to said fixed supply port; a filling material opening in said handling block; means for supplying filling material, under pressure, to said filling material opening; a can in-feed means; a can out-feed means; and a synchronous drive for said in-feed means, said vertical shaft and said out-feed means.

2,498,101
CONTROL APPARATUS
William H. Wannamaker, Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 12, 1945, Serial No. 634,557
14 Claims. (Cl. 318—29)



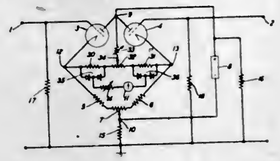
1. An electric proportioning control apparatus comprising in combination a controlled device, first, second and third resistances, a separate slider contact engaging and adjustable along each of said resistances, a fourth resistance, connecting means adapted to connect each of said resistances to a source of alternating current, a reversible electric control motor for adjusting said device and for simultaneously adjusting the contact engaging said first resistance, a reversible electric reset motor for adjusting the contact engaging the second resistance, means adjusting the contact engaging the third resistance in accordance with variations in a control condition, means responsive to a difference in potential between the contact engaging said third resistance and an intermediate point of said fourth resistance arranged to energize said reset motor for operation in the direction to eliminate said potential difference, means connecting an intermediate point of said fourth resistance and said contacts in series in a control circuit, energizing means for said control motor comprising two relay switches each including a separate winding and arranged to energize said control motor for operation in one direction or in the opposite direction accordingly as one or the other of said relay windings is energized, relay energizing triodes each having an input circuit and an output circuit, one of said windings being included in one, and the other winding being included in the second of said output circuits, electronic amplifying means actuated by current flow in said control circuit, coupling means between said amplifier and the input circuits of said triodes for effecting energization of one or the other of said windings, on a current flow in said control circuit, as required for operation of the control motor in a direction to eliminate said current flow, and means included in said coupling means comprising a separate resistance and an associated condenser connected to each input circuit and cooperating when a control circuit current flow which has resulted in the energization of the corresponding relay winding is being reduced, to effect deenergization of that winding prior to the total elimination of said current flow.

2,498,102
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 23, 1945, Serial No. 601,177
14 Claims. (Cl. 183—58)



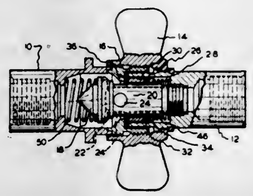
1. In a suction cleaner of the type having an enclosing casing housing a filter and suction-creating means to move a dirt-laden air stream therethrough during normal surface cleaning; a removable end cap for said housing adjacent said filter, said casing being adapted to rest upon its open end with said end cap removed, means within said casing to dislodge dirt from said filter so that said dirt may fall through said open end, and operator-operated means connected with said dirt dislodging means and arranged outside of said casing out of contact with the surface being cleaned during normal surface cleaning, said operator-operated means actuating said dirt dislodging means when said casing is resting on its said open end.

2,498,103
DIFFERENTIAL DETECTOR
Bogumil M. Wojciechowski, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 16, 1949, Serial No. 76,734
5 Claims. (Cl. 177—311)



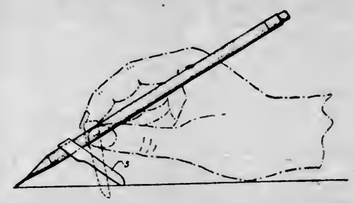
1. A differential detector for a balanceable network with input and output terminals, a current responsive indicator, two pairs of unilateral conducting elements, the two elements of each pair being connected in series, a resistor connected across each of said pairs, a third resistor connected between the first two to form a series network of the three resistors, circuits connecting said series network of resistors to the output terminals of the balanceable network, circuits connecting the indicator to the connection between the unilateral conducting elements of each pair, and means connected to a point in said third resistor for providing a flow of direct current therein in opposite directions from said point, whereby said unilateral elements are biased to prevent flow of low magnitude currents through the indicator but readily permits current of predetermined higher magnitude to flow.

2,498,104
COUPLING
Marvin W. Brandau and Benjamin A. Main, Jr., Jackson, Mich., assignors to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application September 18, 1948, Serial No. 49,886
1 Claim. (Cl. 284—19)



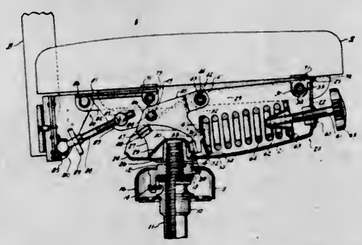
In a coupling of the type which comprises a pair of hollow body parts adapted to be coupled together to form a common fluid conduit, the opposed ends of the body parts having abutting valve members, one of which is axially movable with respect to a surrounding annular seat fixed in its body part, while the other said valve member is provided at one end of a tubular section fixed within the other body part and forms, with an outer surrounding wall of the latter, an annular chamber in which a sleeve valve is mounted for reciprocable sliding motion upon said tubular section, said sleeve valve, when the coupling parts are separated, being resiliently biased to a position in which it overlaps and seals side ports, provided in the tubular section adjacent the fixed valve member, and seats against said fixed valve member, a separately formed sealing ring structure slidably mounted upon said tubular section between said fixed valve seat and the adjacent end of said valve sleeve, said sealing ring structure projecting radially from the tubular structure a sufficient distance to overlie and seal between the sleeve valve and its seat in the uncoupled position and between the ends of the surrounding body portions in the coupled position.

2,498,105
PENCIL GUIDE
Thomas T. Dolan, Chicago, Ill.
Application January 30, 1946, Serial No. 644,357
1 Claim. (Cl. 120—107)



A guide for a writing instrument comprising a ring-like gripping portion having opposed faces substantially parallel to one another, said gripping portion being formed with a passage extending in a direction inclined with respect to said faces and which passage is adapted to receive a writing instrument, and a pair of legs formed integrally with said gripping portion and extending outwardly in diverging relation in directions substantially parallel to the planes of said faces, said gripping portion being formed with an external notch between said legs and split at a point substantially diametrically opposite said notch.

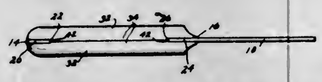
2,498,106
CHAIR IRON
Tom Elleman, Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill., a corporation of Illinois
Application January 5, 1945, Serial No. 571,377
8 Claims. (Cl. 155—77)



6. In a chair iron having a pivotally mounted spider, a head piece comprising a housing having side walls, a front wall and a bottom, a bell crank mounted within said housing, bearing means for mounting said bell crank including a rigidly fixed tubular member extending between the inner surfaces of the oppositely related walls of said housing to properly space and brace said walls and movable means rotatably mounted on said

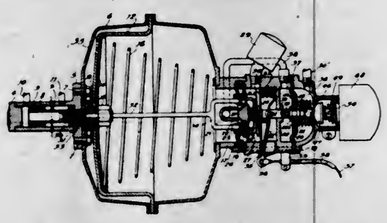
tubular member, a resilient member positioned in spaced relation to said side walls, and positioned between said bell crank and said front wall so as to be compressible therebetween, and means operatively associating said spider and said bell crank, the bearing means for mounting said bell crank and the connections of said resilient member being positioned within the confines of said bottom whereby excess lubrication will be collected by said bottom.

2,498,107
TOOL HANDLE
Alan C. Ferguson, Southbridge, Mass., assignor to Hyde Manufacturing Company, Southbridge, Mass., a corporation of Massachusetts
Application February 1, 1946, Serial No. 644,780
1 Claim. (Cl. 30—342)



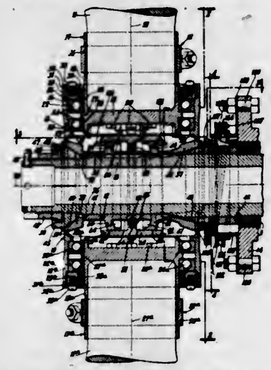
A tool handle comprising a generally flat tang having recesses in opposite side edges thereof, said recesses forming shoulders at each edge of the tang, a pair of hollow handle parts having flats at each end for contact with the faces of the tang, edge extensions on the handle parts filling the recesses said extensions forming shoulders for locating contact with the tang shoulders, a central longitudinal rib in each handle part, said ribs terminating flatly in the planes of the flats to contact the tang at opposite sides thereof, and a flat head on the tang, said head being edgewise exposed at an end of the handle.

2,498,108
VALVE MECHANISM FOR POWER BRAKES
Ralph R. Gunderson, Chicago, Ill.
Application December 28, 1945, Serial No. 637,718
9 Claims. (Cl. 188—3)



1. A coordinating valve mechanism for controlling the pressure to a booster motor on a tractor hydraulic brake unit and for controlling the pressure in a vacuum line to a trailer, comprising: an operating cylinder adapted to communicate at one end with a master cylinder; a piston in said operating cylinder provided with a valve actuating rod; booster valve-means actuated by said rod for alternatively connecting the interior of the booster motor with atmosphere or with a source of suction; and trailer valve-means for alternatively connecting a conduit to a trailer with a source of suction or with atmosphere, said trailer valve-means being arranged adjacent to and in tandem with said booster valve-means so that movement of the booster valve means, to energize the booster motor, will actuate the trailer valve-means.

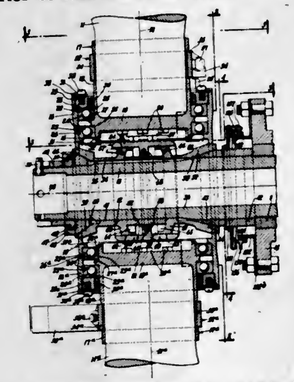
2,498,109
VARIABLE PITCH PROPELLER
Charles I. Lathrem, Quebec, Quebec, Canada, assignor to Canadian Car and Foundry Company Limited, Montreal, Quebec, Canada, a corporation of Canada
Application November 6, 1944, Serial No. 562,083
7 Claims. (Cl. 170—160.32)



1. For an aircraft propeller having variable pitch blades an hydraulic motor mountable within the propeller hub to rotate said blades about their axes, which motor comprises an insert having a bore adapted to drivingly connect the propeller to an aircraft engine crankshaft, spaced annular bosses having smooth peripheral surfaces, said bosses being secured to and extending around and outwardly from the exterior surface of said insert and serving with the exterior surface of said insert to provide an annular cylindrical space to accommodate an annular piston, an annular ring piston mounted on said insert and slidable axially along said insert between said bosses and having a sleeve slidable with said piston shaped to enclose the annular space between said bosses, the inner surface of said sleeve engaging the outer peripheral surfaces of said bosses and slidable thereon and the inner surface of said ring and piston engaging said insert ports leading into the chamber defined by said piston sleeve, bosses and insert through which hydraulic fluid may be forced under pressure to actuate said piston and means on said piston for connections to translate axial movement of the piston into torque to rotate said blades to change their pitch.

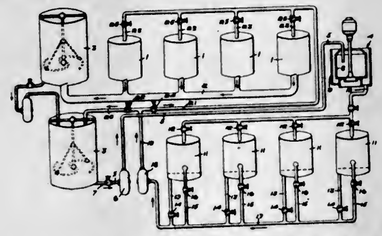
2,498,110
TWO-POSITION VARIABLE PITCH PROPELLER
Charles I. Lathrem, Quebec, Quebec, Canada, assignor to Canadian Car and Foundry Company Limited, Montreal, Quebec, Canada, a corporation of Canada
Application March 10, 1945, Serial No. 582,005
8 Claims. (Cl. 170—160.32)

1. An airplane propeller which comprises propeller blades, a hollow hub providing a reservoir for hydraulic fluid and having a plurality of radially disposed hollow arms, a protruding stop lug on each of said arms, means including a ferrule for supporting a root end of a blade in each of said arms for angular displacement about the longitudinal axis of the blade, a counterweight on each of said blades and mounted to urge angular displacement of said blades in a given direction when said propeller is rotated, a split ring clamped to each of said ferrules and securing a counterweight to the blade, said split rings each having opposing lugs adjustable away from and toward each other, one of said opposing lugs engaging one of said stop lugs when the blade is in coarse pitch position and the other of said opposing lugs engaging that stop lug when the blade is in fine pitch position, thereby providing means for limiting angular displacement of the blades, a hollow insert mounted in said hub disposed at right angles to said radially extending arms for mounting said hub on the engine driveshaft, a piston member within said hub and mounted on the exterior of said insert for slidable movement



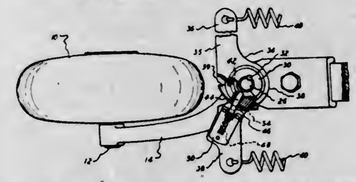
thereon, a pump mounted within said hub, means operative upon rotation of said hub to drive said pump and thereby to cause the pump to force fluid pressure against said piston to move the piston in one direction, and means connecting said piston with each propeller blade operative in response to movement of said piston to angularly displace the propeller blades about their respective longitudinal axes, said piston acting to angularly displace said blades in one direction against the force of said counterweights when said fluid pressure is exerted on said piston and said counterweights acting to angularly displace said blades in the opposite direction when said fluid pressure is released.

2,498,111
METHOD OF OBTAINING MICA
William M. Mattson, Concord, N. H., assignor to Concord Mica Corporation, Concord, N. H., a corporation of New Hampshire
Application December 6, 1945, Serial No. 633,074
2 Claims. (Cl. 241—4)



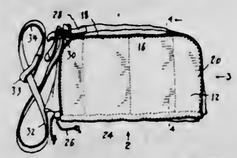
1. In the process of obtaining mica from micaceous stock by wet grinding and in which a centrifuge is employed to which water with micaceous matter is delivered for purpose of dehydration and from which centrifuge water containing small particles of micaceous matter unhydrated by the centrifuge is discharged, the steps of recovering the micaceous matter in the water so discharged which comprises collecting the water discharged from the centrifuge containing the small particles of micaceous matter as aforesaid and allowing such matter to settle in the water so collected to form a sludge, subjecting this sludge by suspension in water to the presence of larger ground particles of micaceous matter capable of dehydration in a centrifuge and agitating whereby the larger particles will take up the smaller particles of the sludge and afterwards delivering the larger particles of micaceous matter bearing the smaller particles obtained from the sludge to the centrifuge for purpose of dehydration.

2,498,112
TAIL WHEEL MOUNTING
Belford D. Maule, Michigan Center, Mich.
Application October 3, 1945, Serial No. 620,053
2 Claims. (Cl. 244—50)



2. In a steerable full caster tail wheel assembly, a fixed housing, a part completely rotatable in said housing, a sleeve press fitted in said housing in which said part is rotatably supported, a steering part telescoping with said part and said housing, a flange collar on said first part and imposed upon said steering part for relative rotation, a drive connection between said collar and said first part, and clutch connections between said steering part and said collar including a cam follower, and a cam upon said housing with which said cam follower engages for operating said clutch connection.

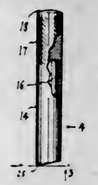
2,498,113
MOTORBOAT EQUIPMENT
Edwin E. Milner, Muncie, Ind.
Application May 21, 1948, Serial No. 28,417
3 Claims. (Cl. 224—9)



3. A combination boat-seat cushion, outboard-motor cover, and carrier comprising opposed spaced pads, each pad consisting of two plies of flexible fabric and panels of spongy material arranged between said plies, the opposed side edges of each of said panels being in confronting relation to the opposed side edges of the other of said panels, and said plies being interconnected in the areas thereof between the confronting side edges of said panels, a flexible web interconnecting the marginal portion of one side each, and the marginal portions of both ends each, of said pads, draw cords through the marginal portions

of the free sides of said pads, and a sling, its one end removably and adjustably attached to a median portion of said web, and its other end embodying a loop.

2,498,114
PUNCH ALIGNING IMPLEMENT
Joy E. Penrod, Muncie, Ind.
Application July 23, 1946, Serial No. 685,681
3 Claims. (Cl. 164—124)



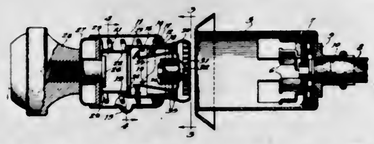
1. An implement of the kind described, consisting of a bar of tool steel hardened and tempered, the working portion thereof being tubular and having inside diameter slightly larger than the diameter of the punch to which the implement is to be applied, a greater segmental portion of the rim of the working end of said bar being cut away, and the remaining segmental portion of said rim being rounded in cross section, and constituting an arcuate and blunt working edge that is concentric with the internal face of said bar.

2,498,115
ORTHOPEDIC DEVICE
Delmer Lowell Purgett, Chicago, Ill.
Application August 22, 1947, Serial No. 770,106
16 Claims. (Cl. 128—80)



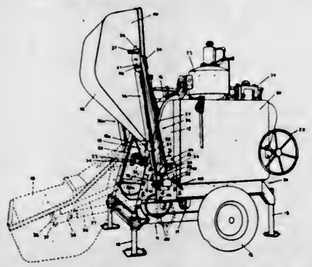
16. An orthopedic device comprising a base member, a head member, a universal joint connecting said base and head members, means attached to the device for releasably clamping said head member on said base member in an adjusted position about said universal joint, means attached to said device for clamping a human foot on said head member, and at least one outwardly-extending member on said head member provided with a portion adapted to accommodate a hand.

2,498,116
CIGAR LIGHTER
John Sinko, Chicago, Ill.
Application June 20, 1947, Serial No. 755,885
5 Claims. (Cl. 219—32)



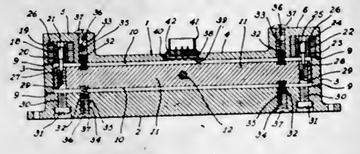
2. A cigar lighter plug comprising: a hollow metal body having a front end-flange; a dome-shaped contact button extending outwardly through a hole in said metal body and having a circular flanged base adjacent to the inner side of said front end-flange of the body; a rearwardly extending inner guide sleeve having an outwardly extending shoulder against which the flanged base of the contact button and end-flange of the body are crimped by the inner end portion of said sleeve; an igniter member having a neck portion engaged by said sleeve, said member having a resistance element in circuit with an end contact and with rearwardly extending bimetal arms having outwardly extending detents; a movable contact slidably mounted in the sleeve and having an inwardly directed flange to be engaged by said detents; a spring urging said movable contact rearwardly; and a hand knob mounted on the rear end of the movable contact.

2,498,117
SKIP LIFT MECHANISM FOR CONCRETE MIXING MACHINES
Earl G. Smith and Harold R. McDermott, Waterloo, Iowa, assignors to Construction Machinery Company, Waterloo, Iowa, a corporation of Iowa
Application August 4, 1947, Serial No. 765,890
5 Claims. (Cl. 214—130)



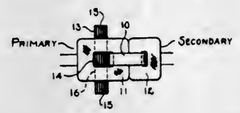
1. In a concrete mixing machine including a frame and a skip movably supported on said frame for up and down pivotal and linear movement, means for raising and lowering said skip including a pair of pivoted lift arms arranged at opposite sides of said skip, means pivotally supporting said arms at one of their ends on said frame, means movably connecting the other ends of said arms with said skip adjacent the free end thereof including loop members on said skip for loosely receiving the other ends of said lift arms therethrough whereby to provide for a longitudinal movement of said skip relative to said lift arms corresponding to said linear movement, a pair of hydraulic cylinders arranged at opposite sides of said skip, means pivotally supporting said cylinders on said frame, pistons for said cylinders, means pivotally connecting said pistons with said other ends of the lift arms, and means for supplying fluid under pressure to said cylinders.

2,498,118
CONTINUOUSLY MEASURING ANGULAR ACCELEROMETER
David Weiss, Philadelphia, Pa.
Application February 24, 1945, Serial No. 579,640
6 Claims. (Cl. 264—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



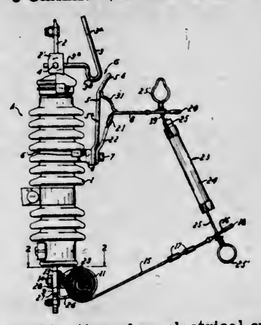
1. An instrument for continuously measuring angular accelerations of an accelerated body, comprising a supporting structure to be mounted on the body, a member mounted for pivotal movement relative to said supporting structure arranged so that angular accelerations of the body about an axis parallel to the pivot axis of the member effect a continuous proportional angular deflection response of the member relative to the supporting structure, and electro-mechanical translating means including a movable element, operable in response to angular deflections of said member to register the amount thereof.

2,498,119
PEAKING TRANSFORMER
Lester D. Drugmand, Greenfield, and Edward M. Hampe, Richfield, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 5, 1948, Serial No. 42,568
3 Claims. (Cl. 171—119)



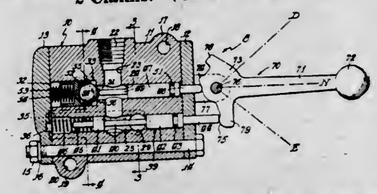
3. A transformer including a main magnetic core comprising a loop of flat thin strip material of high permeability and of substantially uniform cross section affording rapid saturation, primary and secondary coils mounted thereon, said main core affording a magnetic coupling for said coils comprising a magnetic circuit free from air gaps for inducing in said secondary coil a voltage of high amplitude and short duration, and an E-shaped laminated magnetic shunt core mounted on said primary coil in a plane at a right angle to the plane of said main core and with its center leg passing through said primary coil centrally thereof, said shunt core affording a magnetic circuit in parallel with said magnetic coupling relative to said primary coil, the cross section of said second mentioned magnetic circuit being large relative to the cross section of the first mentioned magnetic circuit and including an air gap.

2,498,120
ELECTRICAL PROTECTIVE DEVICE
Charles Adin Fox, Oakland Village, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application April 25, 1947, Serial No. 743,747
3 Claims. (Cl. 173—324)



1. The combination of an electrical cutout provided with an outgoing terminal and a lower contact arm which is connected to said outgoing terminal and is provided with transversely spaced coiled portions for providing said lower contact arm with increased resiliency, and a shunt member connected to said outgoing terminal and having a portion which is disposed between said coiled portions of said lower contact arm in contact with parts thereof for providing a conductive path directly from said lower contact arm to said outgoing terminal which by-passes said coiled portions of said lower contact arm, the portion of said shunt member which is disposed between said coiled portions of said lower contact arm being in the form of a loop.

2,498,121
VALVE
Frederick C. Haberland, Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 1, 1946, Serial No. 666,458
2 Claims. (Cl. 277—20)



1. In a valve mechanism including, means defining a housing having a fluid inlet port, a fluid exhaust port, a fluid pressure delivery port adapted to be connected with a pressure responsive load, and passageway defining means within said housing interconnecting said ports; a first valve in said passage positioned between said inlet port and said exhaust port, means biasing said first valve toward open position for normally placing said inlet port in communication with said exhaust port, said first valve being further characterized by the provision of means effective to balance the same against the influence of fluid pressure in communication therewith in all positions thereof; a second valve in communication

with said passage at a position located between the said pressure delivery port and said inlet port as well as being at a position between said inlet port and said exhaust port, means biasing said second valve toward closed position to thus maintain pressure on said pressure responsive load; and control means for selectively operating said valves, said control means having a first position effective to cause said first valve to open and permit flow of fluid from the inlet port to said exhaust port, said control means having a second position effective to actuate said first valve to close communication through said exhaust port to thus permit the pressure to build up and open said second valve with the resultant delivery thereby of pressure fluid to said pressure responsive load and said control means having a third position effective to open both said second valve and said first valve to thus interconnect said pressure delivery port and said exhaust port for the return of fluid from said pressure responsive load.

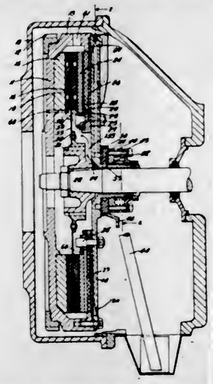
2,498,122
DIGIT SUCKING DETERRENT
Nicholas K. Haniuk, Santa Monica, Calif.
Application March 27, 1947, Serial No. 737,444
4 Claims. (Cl. 128—136)



1. A digit-sucking deterrent for infants comprising: a mitt adapted to be slipped onto the hand of an infant; at least one stub on said mitt for receiving a digit of the infant's hand; a tubular digit-receiving guard of substantially rigid material carried by said stub; said guard being longer on the outer side thereof and having an opening formed in the inner side extending longitudinally of the guard from the distal end to a point substantially midway of said longer outer side; the side walls of said guard being flared adjacent said opening to form spaced, inwardly projecting protuberances for holding the ball of the encased digit away from the surface of the mouth of the infant to form an air passage extending along the inside of the encased digit, said opening permitting the digit to be flexed inwardly while encased by said guard; and an outwardly projecting lip carried at the distal end of said longer outer side adapted to engage the interior of the infant's mouth.

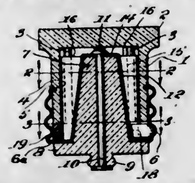
2,498,123
LUBRICATED FRICTION CLUTCH
Howard Frederick Hobbs, Leamington Spa., England, assignor, by direct and mesne assignments, to Hobbs Transmission Limited, Leamington Spa, England, a British company
Application June 27, 1945, Serial No. 601,809
In Great Britain July 20, 1944
14 Claims. (Cl. 192—113)

1. A clutch comprising co-operating relatively rotary friction input and output plates connected to input and output members respectively and made so that oil can escape from between them as they are pressed together, means for supplying oil or the like liquid by pressure to the friction surfaces of said plates in a direction to reach the inner periphery of said plates first and in sufficient quantity when all the friction plates connected to all said members are de-clutched and all the input plates are rotating relatively to the output plates, to lubricate the friction surfaces without flooding the spaces between adjacent friction surfaces, means providing free escape for oil at the outer peripheries of the friction surfaces, means to reduce the supply of oil reaching the friction surfaces during take up and engagement to from nil up to at most a rate less



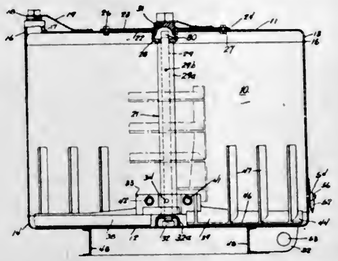
than the rate supplied while said members are declutched, an oil escape path large enough in relation to the rate of oil supply so as at all times to prevent an accumulation of a bulk of oil adjacent to the inside edges of the friction surfaces, and hydraulic means including a flexible diaphragm concentric with the clutch axis for pressing said surfaces into contact with a force high enough and applied at such a rate that said surfaces first rotate relatively while under the engaging load and finally transmit the power without relative rotation, said diaphragm being held at its inner and outer edges whereby the oil acting on the diaphragm cannot leak onto the friction surfaces.

2,498,124
FUSE PLUG
George E. Holmes, Detroit, Mich.
Application July 20, 1945, Serial No. 606,113
10 Claims. (Cl. 200—125)



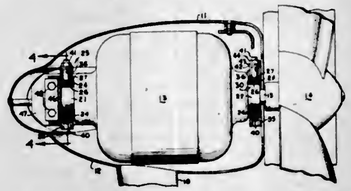
1. In a device of the class described, a fuse carrier having a plurality of upwardly and inwardly extending grooves therein, a head member secured to the carrier by engagement with flanges intermediate the grooves and partially enclosing the carrier, a fuse member having plurality of outwardly and downwardly extending legs each leg forming a fuse element disposed within one of the grooves, a central connection from the fuse member to the lowermost portion of the carrier, a threaded contact shell freely rotatably secured to the head member and having an inwardly extending flange portion adapted to exert downward pressure on the carrier when the device is tightened into a fuse socket, and a spring contact member carried by the shell and disposed to establish successively an electrical connection to each of the fuse elements upon rotation of the shell with respect to the carrier.

2,498,125
CONTAINER FOR PIGMENTED LIQUIDS
Percy E. Knudsen, Pittsburgh, Pa., and Earl H. Heaton, Ferndale, Mich., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 15, 1947, Serial No. 728,876
6 Claims. (Cl. 259—8)



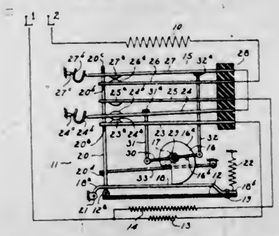
1. A container for storage and shipment of liquids, said container comprising a cylindrical side wall, substantially flat top and bottom walls integral with the side wall and being free of projecting rims, a pouring spout projecting upwardly at the edge of the top, a pair of spaced parallel skids on the bottom disposed perpendicular to a plane bisecting the container through the pouring spout, said skids being secured to the bottom of the container each skid being spaced from the axis of the container a distance less than that from the axis to the spout, said skids being in position to admit insertion of lifting mechanism under the container and being designed to rest upon the top of a second container corresponding to the first with the bottom of the first out of contact with the pouring spout of the second.

2,498,126
MOTOR SUPPORT
John B. Koch, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Michigan
Application July 16, 1946, Serial No. 683,848
18 Claims. (Cl. 248—26)



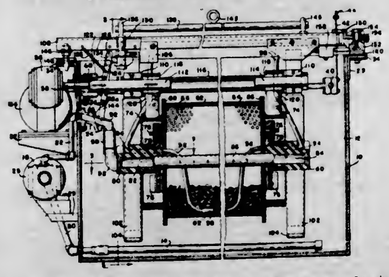
1. A support for an electric motor including in combination, a resilient supporting member adapted for attachment upon an electric motor, a rigid supporting member having spaced substantially parallel walls, aligned openings in said walls receiving said resilient supporting member for supporting the same therein, and fastening means positioned between said walls and engaging said walls and said resilient supporting member to clamp said resilient supporting member between said fastening means and said walls.

2,498,127
THERMALLY RESPONSIVE SWITCHING DEVICE
Clarence W. Kuhn, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 1, 1947, Serial No. 788,985
12 Claims. (Cl. 175—373)



1. The combination with circuit closing and opening means including a thermally responsive element to cause said means to close and open a circuit as a function of reverse operations of said thermally responsive element, of a heater in heat exchange relationship to said element for heating the same at a given rate, a heater in heat exchange relationship to said element for heating the same at a faster rate, and selecting means for said heaters controlled by said thermally responsive element initially rendering effective the first mentioned heater only and then upon attainment of a given thermal condition of said element rendering said first mentioned heater ineffective and rendering the second mentioned heater effective.

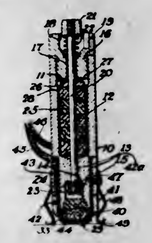
2,498,128
APPARATUS FOR ELECTROPLATING WORKPIECES
Matthew Lang, Detroit, Mich., assignor to Frederic B. Stevens, Inc., Detroit, Mich., a corporation of Michigan
Application April 13, 1946, Serial No. 661,998
6 Claims. (Cl. 204—213)



1. In an electroplating apparatus; an electrolyte holding tank; a horizontal member resting

on the edges of said tank; a frame carried by said member; downwardly extending legs carried by said frame; a workpiece container rotatable between said legs; a horizontal countershaft journaled in said frame and means supporting said container from said shaft and for driving said container by said shaft; a drive shaft on said tank in alignment with said countershaft but spaced therefrom; clutch means carried by said shafts and yieldingly urged into driving engagement; lifting means associated with said frame for lifting the same together with said container from said tank; and means responsive to the exertion of lifting force on said lifting means for automatically disengaging said clutch members.

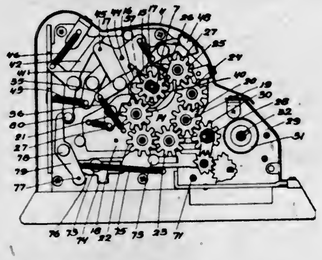
2,498,129
ELECTRICAL ETCHING DEVICE
Allen R. Lindsay, Cleveland Heights, Ohio
Application November 28, 1945, Serial No. 631,401
5 Claims. (Cl. 204—224)



1. A small hand-manipulated electroetching tool comprising a body member having an axial bore defining a reservoir for electrolyte, a plug secured within the upper end of said bore, a valve stem extending through said plug, a plurality of absorbent pads surrounding said valve stem and disposed within said bore, a valve carried by the lower end of said valve stem and serving to open and close said bore, a member carried by said valve stem and disposed within said bore and adapted to compress said pads, said body member having an enlarged delivery reservoir therein, stencil means located over the end of said delivery reservoir including a cup-shaped member containing a pair of metallic screens with a layer of absorbent fabric disposed therebetween, a dielectric stencil having openings formed therein defining the characters to be etched, means for actuating said valve stem to dispense a limited quantity of electrolyte through the stencil and screens and onto the surface to be etched, means providing an electric circuit through the openings in said stencil and the electrolyte and the surface to be etched.

2,498,130
REVERSIBLE DRIVE FOR REVOLUTIONS COUNTER
Sven Axel Evert Lundin, Malmo, Sweden, assignor to Aktiebolaget Addo, Malmo, Sweden, a corporation of Sweden
Application July 8, 1947, Serial No. 759,678
In Sweden July 29, 1946
5 Claims. (Cl. 235—79)

1. In calculating machines of the Odhner type having a main drive shaft and a revolutions counting or multiplier register with tens transmission means, a driving mechanism including a driving gear on said main drive shaft, a set of gears intermeshing so as to constitute an open transmission gear chain, mounting means for said gear set, means for supporting said mounting means swingable in either direction around a fulcrum coaxial with the axis of one of the gears of said gear set, means controlled by said main drive shaft for swinging said mounting means in either direction, depending on the direction of the initial rotatory movement of said main drive shaft when



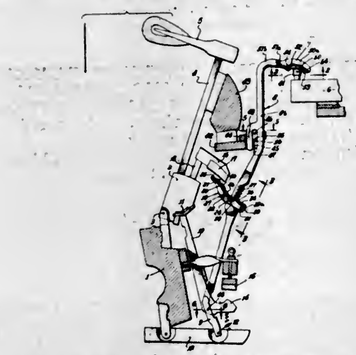
starting a calculating operation, for connecting one end and the other, respectively, of said transmission gear chain with said driving gear, said transmission gear chain altering the direction of the torque exerted by said driving gear an even number of times from one end of the chain to the other when counting from said driving gear, and means for driving said multiplier register from that gear of said gear set, being coaxial with said fulcrum.

2,498,131
FIRE EXTINGUISHER
Charles J. Marchell, Torrington, Conn.
Application November 3, 1944, Serial No. 561,705
3 Claims. (Cl. 169—26)



1. A portable fire extinguisher including a tank having an elevated bottom wall forming a cavity therebeneath, filling and discharge openings in said tank, a fluid discharge conduit and nozzle connected with said discharge opening, a valve in said conduit, a thermostat, an actuating rod connecting said thermostat to said valve for actuation thereof, adjusting means for regulating the thermal range of movement of said thermostat and non-return means on said actuating rod for preventing valve closing movement thereof, said thermostat and actuating rod being received in the cavity in said tank.

2,498,132
PIANO ACTION
Lloyd M. Martin, San Francisco, Calif.
Application March 27, 1946, Serial No. 657,442
22 Claims. (Cl. 84—240)

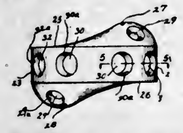


1. In an action for a musical instrument, the combination of an abstract having an adjusting element disposed in an inclined position and extending transversely to the plane in which the abstract travels, and a back-check movably mounted on the abstract and having a part resting on said inclined element and capable of being moved along the inclined element, and set in different positions along the same to alter the position of the back-check relative to the abstract.

2,498,133
TREATMENT OF POLYENE COMPOUNDS
Anderson W. Ralston, Chicago, Otto Turinsky, Palatine, and Leon Van Akkeren, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 14, 1943, Serial No. 494,698
17 Claims. (Cl. 260—405.6)

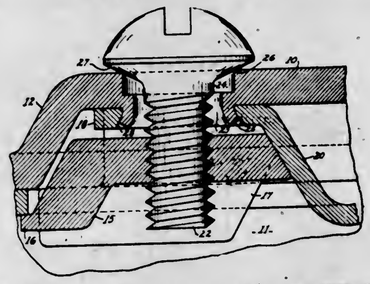
1. A process for treating a fatty polyene compound containing double bands in unconjugated relation comprising subjecting said compound to contact at elevated temperature with a hydrogen reactable iodine compound as a catalyst whereby to effect an increase in the refractive index of said compound, and thereafter removing said iodine element from said polyene compound.

2,498,134
LIGHT REFLECTING BICYCLE PEDAL
Morris Rider, Detroit, Mich.
Application December 21, 1944, Serial No. 569,236
1 Claim. (Cl. 88—81)



In a bicycle pedal of the class described: an end bar positioned at one of the ends thereof and having an outer face and a pair of oppositely disposed end faces, a top face and a bottom face, there being a pair of recesses formed in said outer face, one of said recesses being inclined outwardly toward one end face and the other of said recesses being inclined outwardly toward the opposite end face, and there being a recess formed in each of said end faces and a reflector mounted in each of said recesses in said outer face and lying with its outer face positioned inwardly from the surface of said outer face, one of said reflectors being positioned to reflect to one end of said outer face and the other being positioned to reflect toward the opposite end of said outer face; and a reflector mounted in each of said recesses in said end faces and lying with its outer face positioned inwardly from the surface of the end face, one of said reflectors in said end face recesses being positioned to reflect in one direction and the reflector in the recess in the other end face being positioned to reflect in another direction; a boss projecting upwardly from the top face of said bar and having a recess formed therein; and a reflector mounted in said recess and positioned with its outer face positioned inwardly of the outer face of said boss; and a boss projecting downwardly from said bottom face and having a recess formed therein; and a light reflector positioned in said last named recess and positioned with its outer face inwardly of the surface of said boss.

2,498,135
BOX COVER ASSEMBLY
Joseph Rock, Jr., North Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application January 2, 1947, Serial No. 719,781
1 Claim. (Cl. 220—3.8)

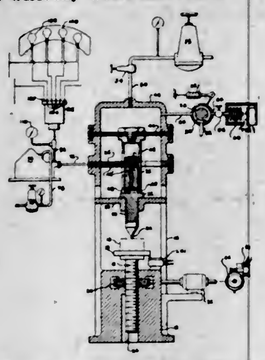


A box cover assembly comprising a cover plate formed with an aperture extending therethrough, the cover plate material, contiguous to said aperture, being forced axially inwardly to form a circular counterbore having a sharp edge in the upper portion of the aperture, and an annular extension on the inner side of the plate, a nut holder having an apertured wall positioned on said extension, said extension being expanded into engagement with the wall of the nut holder to secure the same to the under side of the cover, a fastening nut arranged in said nut holder, and a screw of less diameter than said aperture extending therethrough and threading into said nut, the under side of the head portion of said screw being of conical formation and engaging the outer edge of said counterbore.

2,498,136
HARDNESS TESTER
Frederick L. Rupley, Cincinnati, Ohio, assignor to Merz Engineering Co., Indianapolis, Ind., a corporation of Indiana
Application November 14, 1947, Serial No. 785,838
12 Claims. (Cl. 73—83)

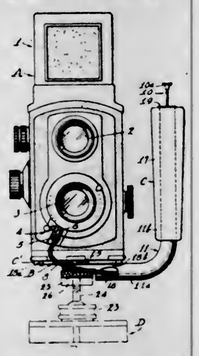
1. In a hardness testing machine, a member having a test point, a gauging mechanism oper-

able to indicate movements of said member, fluid operable means for thrusting said member in the direction of the point, an anvil spaced from said point, a motor to drive the anvil to carry a workpiece supported thereon to said point, means for actuating the motor to drive the anvil toward said point whereby work thereon will engage the



point and move said member into a predetermined position as indicated by said gauging mechanism, and means responsive to the movement of said member into said position for halting said motor and for supplying pressure to said fluid operable means, said gauging means being operable thereafter to indicate the penetration of the work by the point.

2,498,137
COMBINED CAMERA SUPPORT AND SHUTTER RELEASE
Herman Ryder, Tacoma, Wash.
Application May 9, 1947, Serial No. 746,973
1 Claim. (Cl. 95—86)



A combined camera support and shutter release comprising: a tubular handle; means for securing one end of the handle to a camera for shifting the latter in response to movements of the handle; the handle including a hand grasp extending beyond the camera; a cable release head disposed in the handle and having an operating plunger projecting from the handle; a cable release guided through the handle and having one of its ends connected to the release head, and its other end extending from the handle for attachment to a shutter release of a camera; the cable release head and the cable release having free rotation relative to the handle, whereby the cable release may be connected to or disconnected from the shutter release without kinking the cable release; and a retaining plate secured to the handle for removably holding the release head in the handle.

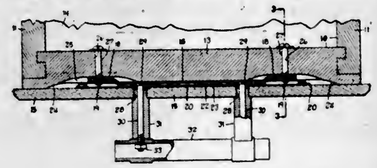
2,498,138
ATTACHMENT FOR MOUNTING ROTATABLE TOOLS TO A TRACTOR AND FOR OPERATING THE TOOLS BY THE TRACTOR MOTOR
Robert O. Shepard, Chesterland, and Harold K. Hutchinson, Willoughby, Ohio
Application June 9, 1947, Serial No. 753,582
2 Claims. (Cl. 143—43)



2. An attachment for a tractor having a motor and a frame adapted to carry a rotatable tool forwardly of said tractor, the rotatable tool being operated by the tractor motor, said attachment comprising a beam member, said beam member having a socket in its forward end having its axis disposed longitudinally of said beam member, an upright member secured to said beam member intermediate its ends and extending upwardly from said beam member, first securing means disposed in one plane for securing said beam member rearwardly of said upright member to, and beneath, said frame, second securing means disposed in a plane at substantially right angles to the plane of said first securing means for securing said upright member to the forward end of said frame, a first bearing member carried by said upright member, a first mandrel rotatably mounted in said first bearing member, drive means for rotatably driving said first mandrel by said tractor motor, a tool-carrying member carried by the forward end of said beam member, said tool-carrying member having an insert portion insertable in said socket in a selected one of a plurality of positions and having an arm portion disposed at right angles to said insert portion, means for preventing rotation of said insert portion in said socket, said arm portion being adapted to be disposed at right angles to said beam member and to extend in a selected one of a plurality of directions from the said beam member upon insertion of said insert portion into a selected one of said plurality of positions in said socket, a second bearing member carried by said arm portion, a second mandrel rotatably mounted in said second bearing member, said second mandrel being adapted to carry a rotatable tool thereon, and a flexible shaft operatively connecting said first and second mandrels, the arrangement of said beam member, tool-carrying member, and mandrels being such that a rotatable tool on said second mandrel may be driven by said tractor motor and may be adjusted to selected positions by the selective mounting of said tool-carrying member in said socket.

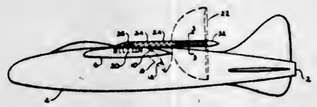
2,498,139
GLASS PANEL ATTACHING DEVICE
Luther G. Simjian, Riverside, Conn., assignor to The Reflectone Corporation, Stamford, Conn., a corporation of Connecticut
Application April 3, 1947, Serial No. 739,087
5 Claims. (Cl. 88—92)

1. A transportable article of furniture, including in combination: a substantially-flat exterior surface having a clearance-recess therein of less over-all dimensions than the corresponding dimensions of the said exterior surface and arranged to accommodate fastening-means; a frangible ornamental member corresponding substantially in size to the exterior surface of said article of furniture; and fastening-means arranged to detachably secure said frangible ornamental member substantially flat against the exterior recessed surface of said transportable article of furniture, said fastening-means comprising a rigid plate cemented permanently to



the rear face of said frangible ornamental member and of less over-all dimensions than the corresponding dimensions of said clearance-recess so as to extend therein, and a fastening-element supported so as to extend within the clearance-recess of said exterior surface and arranged to engage and disengage the said rigid plate on the rear face of said frangible ornamental member whereby said frangible ornamental member may be readily secured to and detached from the exterior surface of the transportable article of furniture.

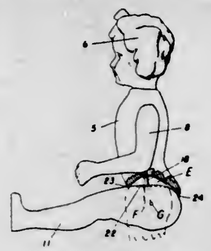
2,498,140
BLOWER DRIVE FOR BOUNDARY LAYER CONTROL SYSTEMS ON AIRCRAFT
Edward A. Stalker, Bay City, Mich.
Application January 12, 1946, Serial No. 640,866
3 Claims. (Cl. 244—40)



1. In combination in an aircraft, a wing having a slot in its surface leading into the wing interior, a blower in communication with said interior and with said slot, means to drive said blower including a windmill, a structure extending rearward supporting said windmill aft of said wing for rotation by the relative wind about a substantially horizontal axis, said structure having a recess therein, means to apply the power of said windmill for the operation of said blower, said windmill having adjustable blades, and means to move said blades into said recess of said structure.

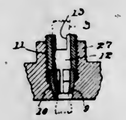
2,498,141
DOLL
Izetta Stokes, Belmont, Calif.
Application July 8, 1946, Serial No. 681,984
2 Claims. (Cl. 46—161)

1. In a doll, a body having leg sockets, each of said sockets being relatively narrow laterally and relatively wide from front to back, said sockets each having a rear wall extending below the front wall, the rear portion of each socket being of greater length than the forward portion and having a greater radius of curvature from front to back than the corresponding length and radius of curvature of the forward socket portion, legs each fitting closely in said sockets laterally and fitting loosely from front to back,



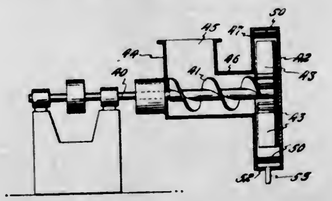
and elastic means to hold said legs in said sockets.

2,498,142
POCKET LIGHTER CONSTRUCTION
William S. Stokes, Tarzana, Calif.
Application February 25, 1946, Serial No. 649,833
4 Claims. (Cl. 67—7.1)



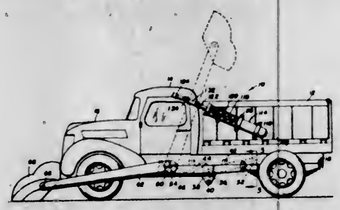
3. In a lighter of the kind described, the combination of a casing having a plain conical seat, a collet of rigid material devoid of thread having a plain conical tip received on said seat to surround the lighter wick, and means mounted in the casing above the collet for adjusting the collet downwardly onto the seat to regulate the degree of compression which it exerts upon the wick.

2,498,143
APPARATUS FOR CONVEYING PULVERIZED MATERIAL
Holger Struckmann, Kingsport, Tenn.
Original application November 16, 1943, Serial No. 510,555, now Patent No. 2,448,745, dated September 7, 1948. Divided and this application July 20, 1948, Serial No. 39,747
4 Claims. (Cl. 302—37)



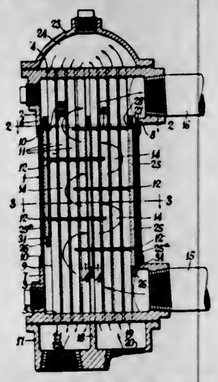
1. Apparatus for conveying pulverized material comprising the combination with a centrifugal pump having a rotary impeller with outwardly extending vanes, of means for feeding pulverized material to the inner ends of the vanes, and a porous circumferential wall surrounding the impeller and means for forcing gas in through this wall for aerating the pulverized material as it leaves the outer ends of the vanes.

2,498,144
HYDRAULIC SNOW SHOVEL
Peter Thomas, Augusta, Maine
Application January 29, 1948, Serial No. 5,095
4 Claims. (Cl. 214—78)



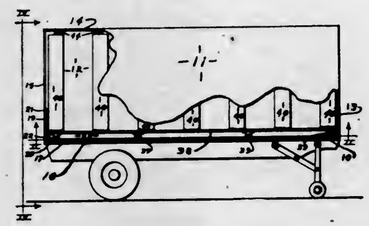
1. A loading device for a truck including a crankshaft journaled in a truck frame, a pair of side arms extending forward beyond the truck and secured to the end portions of the crankshaft, a shovel carried between said arms, and tension means on said shovel to releasably lock it on said arms, said tension means including a latch housing welded on said shovel, a spring mounted in said housing, a slidable stop bar connected to said spring at one end and a pin extending through said side arms and engaging said stop bar at its free end.

2,498,145
HEAT EXCHANGER
Townsend Tinker, Orchard Park, N. Y., assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York
Application April 9, 1948, Serial No. 20,169
11 Claims. (Cl. 257—224)



7. In a heat exchanger, the combination with a casing including an end hub formed with a tube plate and a cylindrical wall provided near its open end with an internal annular rabbeted shoulder and a shell having an end portion fitting within such cylindrical wall, the shell being attached to the wall, of an independently constructed unitary tube cage comprising a series of determinately spaced baffle plates having tube openings and formed to provide circulation windows, the baffle plates being arranged whereby the windows provided by adjacent plates are in staggered or offset relation, thereby to provide a tortuous path of flow, spacing sleeves between the baffle plates to maintain them in determinately spaced relation, tie rods upon which the spacing sleeves are mounted, the baffle plates have openings adjacent their perimeters through which the tie rods pass, means at corresponding ends of the tie rods to hold them against axial displacement in one direction relatively to the baffle plates, means at the opposite corresponding ends of the tie rods to hold them against axial displacement in the opposite direction relatively to the baffle plates and to provide support for the baffle plates, and supporting means rigidly fixed at one end of the unit and projecting radially outward relatively to the baffle plates, the supporting means being confined against the annular shoulder by the adjacent end of the shell.

2,498,146
REMOVABLE FLOOR UNIT FOR TRANSPORTING EQUIPMENT
Albert L. Trotter, Wichita, Kans.
Application August 14, 1947, Serial No. 768,581
1 Claim. (Cl. 214—84)



In a removable floor device for transporting equipment; a track and track extension carried by said equipment, a removable floor unit, said unit having a rigid frame and floor thereon that substantially covers the floor area of said equipment, said unit having rollers thereon, said rollers being receivable by and rollable on said track and track extension, and roller means carried by said equipment and track extension means for engaging said removable floor unit, said removable floor unit having upwardly extending elements along the sides thereof and means for tying the upper ends of said elements in adjusted positions, said means for tying the upper ends of said vertical elements in adjusted positions being a cross element connecting between the upper ends of said vertical elements, and means carried by said cross members for drawing the upper ends of said vertical members toward each other and retaining them in their drawn together position, said means for drawing the upper ends of the vertical elements toward each other being a cam carried on a pin that is revolvably carried by the said cross member and a handle on said pin for revolving the pin and cam, and means carried by the upper end of one of said vertical elements for receiving the cam for retracting movements as described and means for holding said handle in its adjusted position for the purpose described.

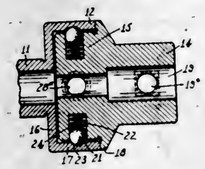
2,498,147
COMPRESSED GAS CAPSULE WITH DISPENSING PUNCH
Philip Alexander, New York, N. Y., assignor to Prel Inc., a corporation of New Jersey
Application March 22, 1946, Serial No. 656,236
2 Claims. (Cl. 222—82)

1. In a dispensing device for liquids under pressure, and in combination, a container having a discharge opening, a soft plastic resilient sealing member in said opening, a washer in said opening having a mutilated screw thread formed on its inner edge, a dispensing body, a tubular extension attached to the lower surface of said body, threads formed on the peripheral surface



of said extension adapted to cooperate with said washer to allow insertion of said extension through said washer and said sealing member, said extension having a sharp edge on its end for piercing said sealing member, and said extension and body having a passage for the discharge of liquid from said container.

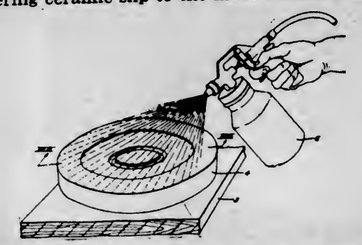
2,498,148
TOOLHOLDER
James Berritta, New Britain, Conn.
Application May 3, 1947, Serial No. 745,784
6 Claims. (Cl. 279—16)



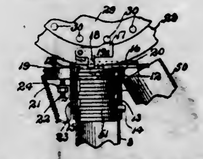
1. In a tool holder, the combination of a head member having a cup-shaped recess, a shell member in the recess having a peripheral surface spaced from the opposing surface of the head to provide a gap permitting a floating action, the shell and head having axially opposing surfaces limiting their axial approaching movement, the head where it overlies the shell being provided with an internal circumferential groove, spring-pressed balls disposed in sockets in the shell engaging the side of the groove nearest the mouth of the recess in a manner to exert lateral thrust to maintain firm interengagement of the above-mentioned limiting surfaces so as to maintain the axis of the shell member in positions parallel to that of the head member, and members in the form of pins socketed in the shell and head and acting to limit relative rotation of the shell and head.

2,498,149
TREATMENT OF MOLDS FOR MAKING CERAMIC WARE
James A. Bower, Chester, W. Va., assignor to Taylor, Smith & Taylor Company, a corporation of Ohio
Application April 30, 1946, Serial No. 666,195
9 Claims. (Cl. 25—156)

1. A method of molding ceramic articles and of protecting molding surfaces from the corrosive action of the liquid component filtering from ceramic material during molding operations, which consists in spraying onto said surfaces a mechanical solution in a wetting liquid of a finely powdered material, capable of reacting chemically with such liquid component and then delivering ceramic slip to the mold while the molding surface thereof is coated with such powdered material.

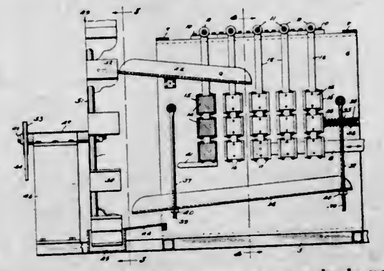


2,498,150
CHANGE MAKER
Dan Stuart Brahe and Lena Bollman Brahe, New Hartford, N. Y.
Application July 29, 1946, Serial No. 687,000
7 Claims. (Cl. 133—5)



7. A change maker comprising a tubular magazine having an open end and adapted to hold a plurality of coins in superimposed relation, a friction wheel having a portion of its periphery adjacent said open end and in contact with the outermost coin, means for rotating said friction wheel a predetermined distance whereby said outer coin is ejected from said magazine, means for pressing the next outer coin in the magazine after the first outer coin has become partially ejected, retaining means adjacent the ejection side of said magazine and means for normally and yieldingly holding said retaining means immediately below the plane of ejection of said outer coin.

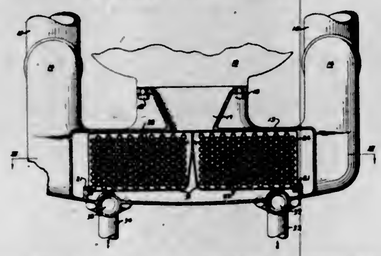
2,498,151
PLURAL-STAGE STONE-CRUSHING MILL WITH INDEPENDENT AND ARCUATELY SWINGABLE JAWS
James L. Brickley, Spokane, Wash.
Application January 23, 1948, Serial No. 3,921
3 Claims. (Cl. 241—148)



1. A rock crushing mill comprising a body portion, a row of depending independent vertical swinging arms mounted on the body portion in

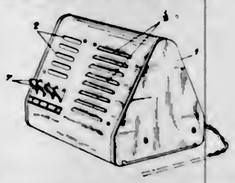
horizontal spaced relation with respect to each other, a plurality of superimposed vertically spaced hammers mounted on each arm, the hammers of adjacent swinging arms being spaced apart, operating arms connected with the lowermost hammer of the intermediate arm of the row of hammers, whereby said hammers are moved into crushing relation with each other as the operating arms reciprocate, crushing stones delivered therebetween, and means for delivering stone to the spaces between adjacent hammers.

2,498,152
HEAT EXCHANGER
George E. Burks, Peoria, Ill., and John H. Sheusner, San Francisco, Calif., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 13, 1945, Serial No. 634,692
2 Claims. (Cl. 257—239)



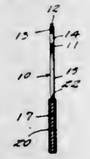
1. A heat exchanger comprising a housing having a fluid inlet disposed centrally of one wall, a pair of outlets communicating with the housing through opposed walls at opposite sides of the inlet, a heat exchange unit comprising a bank of tubes disposed within the housing adjacent to the said one wall, and baffle means comprising a pair of L-shaped plates meeting centrally of the bank of tubes and bisecting the inlet to confine fluid to flow equally in opposite directions toward the outlet and each forming a wall disposed adjacent the tubes to confine the fluid to flow in close proximity to the tubes.

2,498,153
TELEPHONE SYSTEM
Henri Bussierés, Paris, France, assignor to Jean Eppler, Paris, France
Application March 16, 1948, Serial No. 15,212
In France April 29, 1947
6 Claims. (Cl. 179—1)



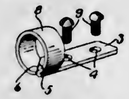
1. In a telephone system including a number of individual stations each comprising a casing, a loudspeaker and a microphone including a diaphragm in said casing and secured to the walls of said casing, a source of current, a circuit connecting said source with said microphone, a lead operatively connected with the loudspeaker, leads connecting in parallel the circuit of the source and microphone with the corresponding loudspeaker leads of the other stations and a switch in each of said leads, hand operable means on the outside of the casing for actuating said switch, and means for giving the microphone a natural frequency different from the natural frequency of the casing and comprised between two frequencies in harmonic correspondency with the natural frequency of the loudspeaker.

2,498,154
GARTER CLASP
Carl J. Cantello, Brooklyn, N. Y.
Application April 3, 1945, Serial No. 586,346
1 Claim. (Cl. 24—264)



A garter clasp comprising a substantially U-shaped support member having a bight portion and downwardly extending substantially parallel side arms, an upwardly extending blunt ended lug between and carried by the lower ends of said side arms, the side edges of said lug being disposed closely adjacent to said side arms and formed with notches therein, an upper bar forming a loop with said bight portion and a rubber cap enclosing said lug and formed with inwardly extending locking members for engaging said notches whereby said cap will provide a replaceable covering for said lug for minimizing the wear on stockings engaged over said lug and between said lug and said side arms.

2,498,155
GUN SIGHT
Marvin De Jonge, Zeeland, Mich.
Application June 3, 1946, Serial No. 673,955
1 Claim. (Cl. 33—47)

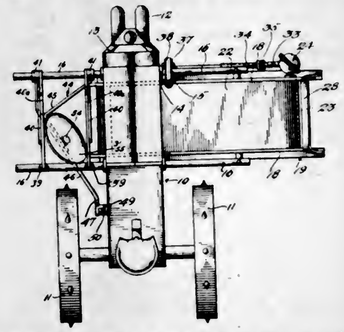


A gun sight made from a single elongated piece of material having a flat base portion at one end adapted to be attached to a gun barrel, said material at one end of said base portion being folded to provide a sight portion extending at right angles to said base portion, said fold extending at an angle of 45° to the longitudinal edges of the base portion and the extreme end of said sight portion extending at an angle of 45° to its edges, said sight portion being bent into circular form with its angular end joining the correspondingly angular fold.

2,498,156
TERRACING MACHINE
Walter L. Dodson and James E. Wilson, Brady, Tex.; said Dodson assignor to said Wilson
Application September 10, 1945, Serial No. 615,330
1 Claim. (Cl. 37—110)

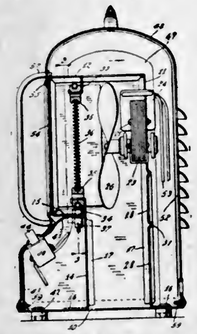
In a terracing device a farm tractor having a power take-off, a pair of spaced parallel arms extending outwardly from each side of the tractor in the same horizontal plane, an inclined

elevator having its lower end suspended beneath the tractor from a pair of arms on one side thereof, said elevator extending from the side of the tractor opposite that from which its lower end is suspended upwardly and outwardly beyond the ends of the arms opposite those upon which its lower end is suspended, drive means coupling the elevated end of the elevator with the power take-off of the tractor, a bracket carried by the arms on the tractor opposite those upon which



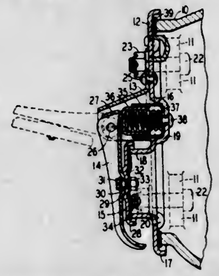
the lower end of the elevator is suspended, a frame pivoted to the bracket directly below the foremost arm, a forwardly and upwardly inclined shovel carried intermediate the ends of the frame for directing earth toward and onto the lower end of the elevator and yielding means pivoted to the end of the frame opposite its pivoted end and engaging the tractor frame for urging the shovel downwardly into earth contacting position.

2,498,157
ROOM HEATER
Edward A. Farr, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application January 8, 1948, Serial No. 1,233
4 Claims. (Cl. 219—39)



1. In an electric heater, a base, a frame secured to and extending upwardly from said base, said frame being a sheet-metal stamping having parallel, spaced front and rear walls and a top wall, a motor mounted on said rear wall, a fan driven by said motor, said front wall having an air-discharge opening in alignment with said fan, heating-element supports on said frame, an electrical resistance heating element supported on said supports, and a casing supported on said base and enclosing said frame, said front wall including a vertical upper portion and a rearwardly offset vertical lower portion, said air-discharge opening being located in the upper wall portion and the two wall portions being joined by a generally horizontal shelf, and wings extending rearwardly from the front wall at the sides of the opening therein and co-operating with the top wall and shelf to confine laterally air discharged from said fan.

2,498,158
JOURNAL BOX LID
Fred A. Frederick, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application November 27, 1946, Serial No. 712,675
7 Claims. (Cl. 308—45)



5. A journal box lid assembly comprising a stamped metal cover adapted to be fixedly connected to a journal box housing, said cover having an access opening therein, a generally U-shaped stamped metal yoke fixedly connected to said cover at one side of said access opening, a stamped metal lever pivotally connected intermediate its ends to said yoke between the legs thereof and extending radially of said access opening, said lever having an integral cam surface at one end thereof, a stamped metal cap for said access opening connected to said lever between the other end of the latter and the pivotal axis of the lever for limited rocking movement relative to said lever, and spring means mounted on said cover and positioned between said cam surface and said cover, said spring means and cam surface being positioned within said yoke which serves as a housing for said spring means and cam surface, said spring means engaging said cam surface and adapted to act against the latter to selectively hold said lever and cap in open or closed positions.

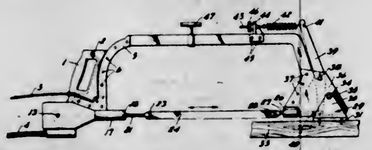
2,498,159
WHIPSTOCK
Roy C. Gammill, Oklahoma City, Okla., assignor, by direct and mesne assignments, to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo., a corporation of Delaware
Application May 12, 1944, Serial No. 535,220
1 Claim. (Cl. 255—1.6)

A whipstock including, an elongate body having a collar at its upper end, the lower portion of the body being wedge-shaped to form an inclined longitudinal guide surface, the upper end of said guide surface being spaced a substantial distance from the collar and being connected to the collar by an elongate straight wall which comprises the upper portion of the body, a drill bit disposed below the collar, an elongate rigid sub connected

to the drill bit, a drill pipe having the sub attached to its lower end, said drill pipe and sub being arranged to pass through the collar and means for detachably connecting the drill pipe, sub and bit assembly to the whipstock, said sub being of such length that when the drill pipe, sub and bit assembly is in attached position, the upper end of said sub is adjacent the collar and the bit is disposed contiguous to the straight wall section of the whipstock and spaced above the inclined guide surface, detachment of the detachable means allowing the drill pipe, sub and bit to move downwardly with respect to the whipstock with the upper end of the sub moving downwardly below the collar prior to the time that the drill bit is urged a substantial distance outwardly by its engagement with the inclined guide face of the whipstock body, the elongate sub maintaining contact with the inclined surface of the body until the bit has drilled a deflected bore which is outside the confines of the original well bore, the outside diameter of said bit being greater than the bore of the whipstock collar and the straight wall section of the whipstock body having an opening for accommodating the bit blade when said bit is in its attached position, whereby the bit may be of substantially the same diameter as the well bore in which the assembly is lowered.

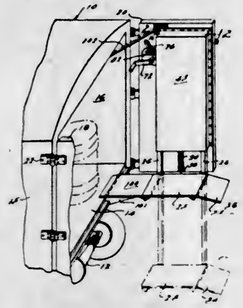


2,498,160
POWER-OPERATED SAW
Frank Gaviola and Frank Anacabe, Elko, Nev.
Application May 3, 1946, Serial No. 666,967
1 Claim. (Cl. 29—73)



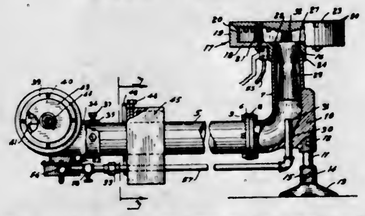
A power operated saw comprising an inverted U-shaped frame having a handle at one of its leg portions, an elongated blade secured between the leg portions of said frame, gear-means carried by said frame interconnecting one end of said blade with a power means for reciprocating said blade, a pair of spaced plates secured to the other leg portion of said frame, bracket means pivotally securing said plates to a support, a bell crank lever pivoted intermediate its ends between said plates, means securing one end of said lever to the other end of said blade, an apertured bracket secured to the web portion of said frame, a screw extending through said apertured bracket, a coil spring interconnecting the other end of said lever with said screw, and an adjusting nut carried by said screw.

2,498,161
CARGO HANDLING MEANS
Howard Hamilton, Detroit, Mich., assignor to Howard Hamilton, Homer E. Helm, Thomas L. The Elvadoor Company, Detroit, Mich., a co-Conlon, and John H. Pace, doing business as partnership
Application July 11, 1947, Serial No. 760,284
5 Claims. (Cl. 214—75)



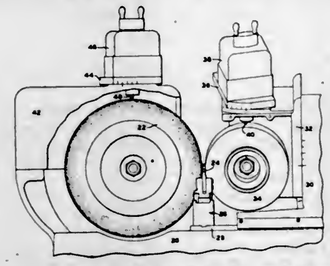
1. In combination with a closed vehicle body having a doorway opening and a door for closing said opening hinged to the body for swinging movement about a substantially vertical axis, lift means carried by the inner face of the door including a load supporting member and means carried by the door for lowering said member with relation to the door and doorway and for raising said member to a position substantially in line with the bottom of said door and doorway.

2,498,162
CONVERSION GAS BURNERS HAVING FORCED PRIMARY AIR
Max A. Heller and Angelo J. Conti, Denver, Colo.
Application October 6, 1947, Serial No. 778,098
11 Claims. (Cl. 158—99)



1. In a gas conversion burner for heating furnaces used in buildings, comprising, a horizontal air pipe adapted to extend through an opening in the side of the furnace, an elbow connected to the inner end of the pipe having a vertical riser pipe, a hollow cylindrical burner head having a plurality of circumferentially disposed openings and an imperforate top plate, said burner head being removably seated on the top of the riser pipe, a Venturi tube solely supported by its upper end and depending into the riser pipe, a combustible gas delivery pipe axially aligned with the Venturi tube and extending through the elbow, the end thereof being spaced from the lower mouth of the Venturi tube, and means for delivering air to the outer end of the horizontal pipe at a pressure above atmospheric, the construction being such that the air and gas initially mix in the riser pipe in the portion between the end of the gas pipe and mouth of the venturi and more intimately mix as the combustible mixture passes through the Venturi tube.

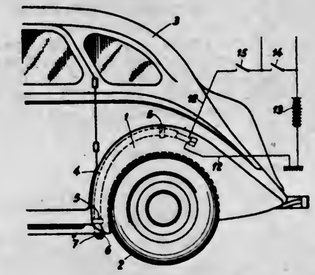
2,498,163
METHOD OF GRINDING NONCIRCULAR SECTIONS
Cecil W. Hopkins, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application January 6, 1947, Serial No. 720,362
3 Claims. (Cl. 51—289)



1. The method of grinding a workpiece having a generally cylindrical peripheral surface of revolution interrupted by at least two circumferentially spaced axially extending edge portions, in a centerless grinding machine, which comprises supporting the workpiece between and in contact with grinding and control wheels of the machine at a predetermined axial inclination with respect to the wheel axes to establish contact along a helix between a concave peripheral surface on the control wheel and the workpiece in a path which, in the rotation of the workpiece, bridges the space between said edge portions of the workpiece and intersects relatively opposite ends thereof, and rotating the grinding and control wheels to maintain constant rotation of the workpiece by the control wheel at uniform speed in contact with the face of the grinding wheel.

2,498,164
SANDING DEVICE FOR VEHICLES
Rudolf Hunziker, Neuenegg, Switzerland
Application November 5, 1946, Serial No. 707,914
In Switzerland November 7, 1945
6 Claims. (Cl. 291—3)

6. A sanding device for a wheeled vehicle having a driver's seat and a stop tail light; including a tube having a closed upper end and forming a sand reservoir adapted to hold sand and to be attached to a portion of the vehicle in front of a wheel thereof and having a downwardly extending portion forming at its lower end a sand delivery port through which sand can be directed to the wheel; a removable closure plug for the sand delivery port expellable by a rise of pressure within the closed sand reservoir; means preventing loss of the closure plug when expelled from said sand delivery port; an inflammable means wholly contained within said sand reservoir and effective upon ignition thereof to generate a closure expelling pressure within said sand reservoir; igniting means operable at will including electrical control means accessible at the driver's seat on said vehicle; an electric circuit connected to the inflammable means and having two switches connected in series, with one switch forming the electrical control means and effective upon operation to close said circuit and cause said inflammable means to be ignited and thereby cause the latter to generate within

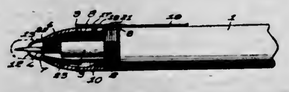


said sand reservoir the pressure necessary for expelling said removable closure plug, whereby sand contained in said sand reservoir is free to flow out through said sand delivery port, the stop tail light being connected to said electric circuit and effective to close the other switch and thereby alternatively close said circuit and ignite said inflammable means when said stop tail light is illuminated.

2,498,165
PROCESS FOR PRODUCING BACITRACIN
Balbina A. Johnson, Scarsdale, and Frank L. Meleney, New York, N. Y., assignors to the United States of America as represented by the Secretary of War
No Drawing. Application May 29, 1946, Serial No. 673,162
11 Claims. (Cl. 195—96)

1. A process for preparing Bacitracin precipitates comprising cultivating *B. subtilis* Tracy I in a culture medium, extracting the antibiotic from said resulting medium with a low molecular weight alcohol, concentrating the alcohol extract in vacuo in the presence of water, acidifying the concentrate and extracting with a mixture of chloroform and butanol, and precipitating the antibiotic from said resulting solution with a precipitating agent selected from the group consisting of Reinecke's salt, phosphotungstic acid, phosphomolybdic acid, molybdic acid, picric acid, ammonium rhodanilate, and azobenzene-p-sulfonic acid.

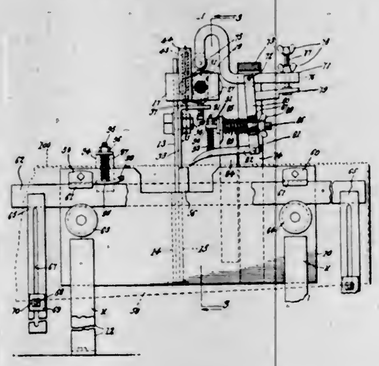
2,498,166
FOUNTAIN PEN
Fred Yoshiharu Kuriyama, Honolulu, Territory of Hawaii
Application September 21, 1946, Serial No. 698,455
3 Claims. (Cl. 120—42.03)



1. A fountain pen comprising a barrel, a reduced neck on the front end of the barrel, a

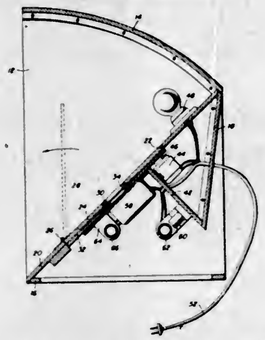
pen point extending forwardly from said neck, an outer cap on the front end of the barrel enclosing said neck and having an open front end out of which said pen point extends, a tubular spreader member in the outer cap, an inner cap slidable on said spreader forwardly and rearwardly therein, said inner cap comprising hinged together sections swingable into closed relation during forward movement of the inner cap to house said pen point, and being swingable into open position during rearward movement of said inner cap to expose said pen point, said spreader being tapered to swing said sections open during rearward movement of the inner cap, said front end of the outer cap acting to swing said sections closed during forward movement of said inner cap, and manipulative means for moving said inner cap.

2,498,167
AUTOMATIC HAND AND BAND SAW TOOTH-SETTING MACHINE
Vincent C. Lorenz, Anaconda, Mont.
Application May 6, 1948, Serial No. 25,333
5 Claims. (Cl. 76—58)



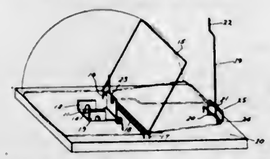
1. An improved saw tooth setting machine comprising a frame plate, a support for a saw supported by the frame plate, a rocker plate supported by said frame plate and having opposed surfaces for alternately striking successive adjacent saw teeth from opposite sides of a saw, a cam shaft supported by said frame plate, a pair of cams on said cam shaft for moving the rocker plate alternately in opposite directions for striking the saw teeth, a third cam on said cam shaft, a pawl supported by the frame plate and engaging the teeth of the saw, and an operative connection between said pawl and the third cam for intermittently moving the saw the distance of one tooth and including a link having its upper end pivotally supported by the frame plate and its lower end pivotally connected to the pawl and having a through aperture intermediate its ends, a bracket supported by the frame plate, a screw-threaded bolt supported by said bracket with its threaded end passing through the aperture in the link and extending therebeyond, a coil spring encircling the bolt and having one end bearing against the bracket and its other end bearing against the link, and a nut received by the extended screw-threaded end of the bolt for adjusting the tension of the coil spring.

2,498,168
ELECTRICALLY VIBRATED RETOUCHING STAND
Emmett C. Lloyd, Waco, Tex.
Application October 27, 1947, Serial No. 782,265
1 Claim. (Cl. 95—103)



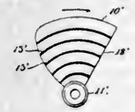
In a photographic retouching stand, an inclined base having an opening, a shield pivotally hinged on said base and fitted in said opening, said shield having an aperture therein and adapted to be rotated at an angle to said base, a diaphragm mounted on the under side of said base and having an aperture registering with the aperture in the shield and the opening in the base, resilient clips attached to said diaphragm for attaching a negative over the aperture in said diaphragm, a transparent cover secured to said base and underlying but spaced from said diaphragm, parallel channel members forming guides attached to the under surface of said base, said transparent cover and said diaphragm being slidably received in said channel members, said cover being of less size than said diaphragm, and means beneath said base and said diaphragm and at one end of said diaphragm vibrating said diaphragm and negative in a direction perpendicular to the plane thereof.

2,498,169
RODENT TRAP
Alexander R. Mann, Montreal, Quebec, Canada
Application October 30, 1946, Serial No. 706,590
In Canada November 7, 1945
1 Claim. (Cl. 43—81)



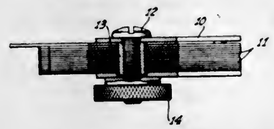
In a rodent trap, a base, a bait holder, a spring actuated catching mechanism pivoted to said base, a holding staple secured to said base near one end thereof, a secondary staple secured to said base and disposed adjacent the holding staple and closer to said end of the base, a spring bar having a loop at one end and encircling said holding staple and adapted to hold the said spring actuated catching mechanism against spring tension, and a tail member integral with the looped end of said spring bar and adapted to engage with said secondary staple when the trap is sprung and thereby prevent back lash of said spring bar.

2,498,170
PROPELLER BLADES
Gustav Meier, West New Brighton, N. Y.
Application June 4, 1946, Serial No. 674,267
2 Claims. (Cl. 170—170)



1. A propeller having a number of blades and a hub portion formed with a bore therein, a plurality of ribs arranged upon each blade at a distance from each other end eccentric with the bore in the hub portion, said ribs being of gradually increasing height from the hub to the top, and disposed at a right angle to the blades, the ribs being of a tapered shape, commencing and narrowing from the edge entering the water towards the edge leaving the water.

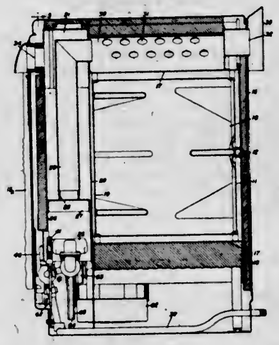
2,498,171
FEELER GAUGE
Robert W. Michler, Perris, Calif.
Application January 6, 1948, Serial No. 775
1 Claim. (Cl. 33—168)



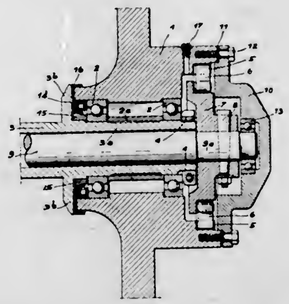
A device of the class described comprising a pair of spaced legs joined at one pair of ends, the other pair of ends having in line apertures therethrough, a screw having the head thereof abutted against one of the legs and the threaded portion of the screw extending through the legs, a sleeve threaded to fit over the screw receivable through the other leg and adapted to be threaded up against said one leg to prevent rotation of the screw, the outside surface of the sleeve being substantially smooth, a plurality of thickness leaves rotatable about the sleeve, and a knurled nut threaded to fit the screw threadable thereon up against said other leg to clamp the leaves between the legs whereby the leaves can be clamped in any position, the leaves being movable between the legs to a folded position and outwardly from the legs to an operative position, the leaves being of such length that when in folded position, the leaves extend outwardly beyond the ends of the legs a distance such as to enable an operator to readily press on the protruding portions of the leaves and pivot the leaves out from folding position, the protruding portions of the leaves providing additional frictional surfaces when a leaf is locked in operative position to better hold the leaf.

2,498,172
GAS-HEATED CLOTHES DRIER
George E. Mintner and Arthur R. Constantine, South Bend, Ind., assignors to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application October 18, 1947, Serial No. 780,608
8 Claims. (Cl. 263—33)

2. In a dryer of the type which utilizes a rotatable drum having a screened or perforated front wall to contain the clothing or other fabrics to be dried, an air circulating duct having an open portion adjacent said screened front wall, a blower positioned in said duct for producing a flow of air therethrough, a gas burner, and a conduit for carrying the heated air and products of combustion from said burner, said conduit being positioned adjacent to said screened front wall and inside said duct adjacent said open portion permitting a transfer of the heat radiated from said conduit through said screened front wall and into said drum and also a transfer of radiated heat to the air in said duct.



2,498,173
WHEEL AND AXLE MOUNTING FOR AGRICULTURAL MACHINES
Georges Monsel, Montigny-Le-Roi, France
Application June 20, 1945, Serial No. 600,578
In France June 11, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 11, 1963
3 Claims. (Cl. 74—13)

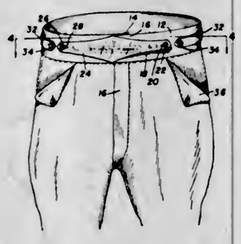


1. A wheel mounting and implement drive for an agricultural machine, comprising a hollow journal integrally connected with the machine frame, a wheel hub rotatably mounted on said journal, a cover closing the outer end of said wheel hub, an implement drive shaft passing freely through said hollow journal and having its end rotatably mounted in said cover, and a one-way coupling mechanism between said wheel and said drive shaft to drive said shaft from said wheel hub only when said wheel is rotated forwardly by the movement of the machine.

2,498,174
ALUMINUM HEXACARBAMIDE PERIODIDE AS WATER DISINFECTANT
John Carrell Morris, Sudbury, Mass., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application July 7, 1945, Serial No. 603,745
2 Claims. (Cl. 167—22)

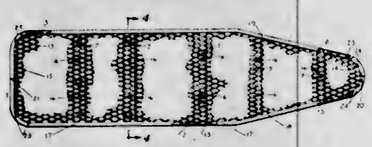
1. A water-disinfecting composition of matter containing as an active ingredient a periodide of an aluminum hexacarbamide cation having a vapor pressure of iodide at room temperature less than 0.02 of that of elemental iodine and a solubility greater than 0.1 gram per liter of water at room temperature, together with a solid nontoxic, water-soluble, acidic material capable of releasing sterilizing iodine from the said periodide when the composition is added to water to be purified, and talc.

2,498,175
TROUSERS
Maurice Neinken, Hilltown, Pa.
Application April 7, 1947, Serial No. 739,868
5 Claims. (Cl. 2—237)



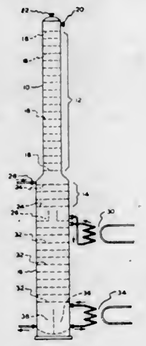
1. In combination with a waist band for trousers having a fly, a pair of fastening means on the front side of the waist band and spaced substantially equally from the fly, a pair of straps permanently and terminally secured at one end to an overlapping portion of said fly and securable at the other ends thereof to said fastening means selectively one to each of said fastening means, both to one of said means, and both to the other of said means.

2,498,176
PERFORATE IRONING TABLE TOP
Robert W. Nelson and Harold L. McAtee, Minneapolis, Minn.
Application February 27, 1948, Serial No. 11,514
7 Claims. (Cl. 38—137)



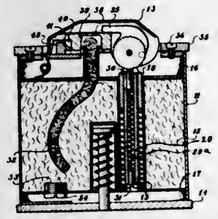
3. An ironing table top comprising a base frame made up of a pair of longitudinally-extended laterally-spaced side members and a plurality of longitudinally-spaced transverse connecting members, said side members being parallel to each other for the greater part of their length and having inwardly tapering front ends, an expanded metal top overlying said base frame and secured only to the intermediate portions of said transverse members, and a continuous marginal frame extending around the side edges of said base frame and expanded metal top and conforming to the shape thereof, said marginal frame being rigidly secured to the side members of the base frame and having an angular portion loosely overlying the edge of said metal top, whereby the marginal edges of said perforate top are left free for expansion and contraction.

2,498,177
DEETHANIZING RICH OIL
Henry M. Nelly, Jr., Compton, Calif., assignor to Refinery Maintenance Co., Inc., Compton, Calif., a corporation of California
Application August 14, 1948, Serial No. 44,349
1 Claim. (Cl. 196—8)



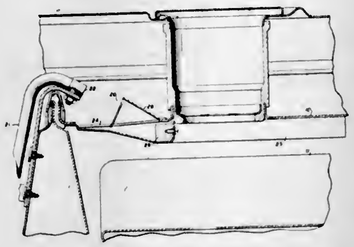
The process of removing methane and ethane from a rich absorption oil containing methane, ethane and heavier hydrocarbons in tower structure containing an absorption section, an intermediate heat exchange section and a stripping section, each of said sections containing gas-liquid contacting elements, which comprises introducing said rich absorption oil in liquid phase into the upper portion of said intermediate heat exchange section, passing said rich oil downwardly through the heat exchange section counter-currently to hot upflowing gases from the stripping section, passing gases from the top of said intermediate heat exchange section into the bottom of said absorption section, introducing lean absorption oil into the top of said absorption section and passing it downwardly countercurrent to the upflowing gases, withdrawing a dry gas consisting principally of methane and ethane from the top of said absorption section, flowing the enriched lean oil from the bottom of said absorption section into the top of said heat exchange section, withdrawing rich oil from the bottom of said heat exchange section, heating said withdrawn rich oil and introducing it into the top of the stripping section, passing the heated oil downwardly through said stripping section in contact with the vapors evolved by reboiling the bottoms in said stripping section, passing the stripped gases from the top of the stripping section into the bottom of said intermediate heat exchange section, and removing a rich oil substantially free of methane and ethane from the bottom of said stripping section.

2,498,178
LIGHTER
George J. Nichols, Gary, Ind.
Application February 16, 1946, Serial No. 648,105
5 Claims. (Cl. 67—7.1)



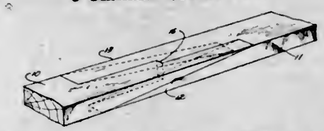
1. In a device of the kind described, the combination of a casing having a cover, a wick, a clevis in said casing, an abrading wheel journalled in said clevis, said abrading wheel having lateral ratchet teeth thereon, a rod of pyrophoric material in said clevis resiliently urged into contact with the abrading wheel periphery, a wick cover journalled in said clevis and having a trunnion engaging said cover, a pawl member journalled in said clevis and having an arm engaging said wick cover, spring means urging said clevis upward, and a manually releasable lock holding said wick cover over the wick.

2,498,179
WATER INLET SYSTEM FOR WASHING MACHINES
Wallace F. Oliver and Alfred L. Jensen, South Bend, Ind., assignors to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application March 4, 1946, Serial No. 651,820
6 Claims. (Cl. 68—207)



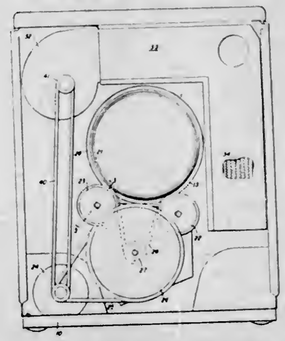
1. In a washing machine having a rotatable clothes containing member and a tub with a wall spaced from and surrounding said rotatable member, a water inlet for said tub designed to prevent flow of suds from an open fluid receiver in the wall of said tub comprising a pair of conduits branching and extending into said tub from a common communicating opening formed by said receiver, said branching conduits extending in the same general direction but having outlets therefrom directing fluid in different directions relative to the direction of rotation of said rotatable member, whereby rates of flows induced in said conduits by rotation of said rotatable member are unequal.

2,498,180
WOOD JOINT
Axel V. Pedersen, Los Angeles, Calif.
Application May 31, 1946, Serial No. 673,335
5 Claims. (Cl. 20—92)



1. A wood joint wherein the adjacent ends of adjacent sections each have upwardly and downwardly scarfed tongues, and abutments arranged between the tongues limiting the extent to which the ends may be forced together to have their scarfed surfaces mutually engageable.

2,498,181
TUMBLER CYLINDER DRIVE AND SUPPORT STRUCTURE
Alexander L. Reiter, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application March 28, 1946, Serial No. 657,717
1 Claim. (Cl. 259—81)

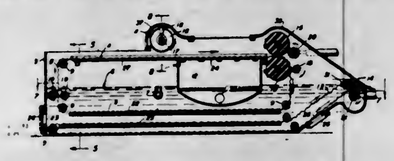


In a machine of the character described having a rotatable clothes containing cylinder mounted for rotation on a substantially horizontal axis, a tubular member forming a central front opening concentric with the axis of rotation of said cylinder and extending outwardly from said cylinder, a driving motor, a belt driving from said motor extending around said tubular member for rotating said cylinder by contact with the outer surface of said tubular member, a pair of rollers contacting said belt and positioned below said tubular member in position to effect a support of said tubular member and said cylinder through said belt.

2,498,182
MACHINE FOR OPENING EGGS AND SEPARATING THE SHELLS OF THE EGGS AND THEIR CONTENTS
Elmer W. Schaber, Sholes, Nebr.
Application June 11, 1947, Serial No. 753,836
4 Claims. (Cl. 146—2)

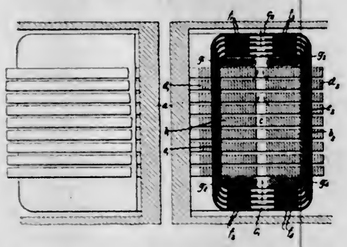
1. In a machine for opening eggs and separating the shells of the eggs and their contents, the combination of a horizontally elongated open top casing, an endless foraminous carrier belt movable in a vertical orbital path within said casing so as to provide an upper horizontal

run moving longitudinally of the casing near the top of the latter and adapted to have the eggs deposited on one end thereof, a gang disk cutter arranged above said upper run for splitting the shells of the eggs as they move toward the other end of said run, an open top receptacle provided with a valve controlled bottom outlet leading outwardly through one side of the casing, said receptacle being arranged beneath said run to receive and collect the liquid contents of the shells after the latter are split by said cutter, and an endless conveyor arranged beneath said carrier belt to receive the shells as they are dis-



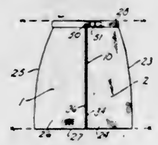
charged from said carrier belt at said other end of said run and to deliver said shells from the casing, said carrier belt having a lower run passing beneath said receptacle, said conveyor extending beneath said lower run, said casing comprising a tank adapted to contain water to a level between said upper and lower runs for washing adhered portions of the contents of the egg shells from said carrier belt and said conveyor, and brushes for removing said adhered portions from the carrier belt and the conveyor, at least one of said brushes being of the fountain type supplied with water under pressure.

2,498,183
TRANSFORMER
Rudolf Schärli, Baden, and August Meyerhans, Nussbaumen, near Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application September 17, 1947, Serial No. 774,610
In Germany November 8, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires November 8, 1958
1 Claim. (Cl. 175—356)



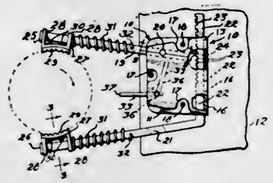
In a transformer, a cylindrical primary winding including an annular internal passageway extending lengthwise therethrough for the circulation of a cooling medium, inner and outer insulating tubes in contact with the inner and outer surfaces of said winding, the opposite ends of said tubes terminating in mutually confronting flanges projecting over and extending for a substantial distance beyond the end surfaces of said winding and which flanges are thickened in the direction of said passageway so as to establish upper and lower annular gaps therebetween in alignment with said passageway to provide an inlet and outlet respectively for the cooling medium and a cylindrical secondary winding spaced radially from said primary winding by at least one of said tubes.

2,498,184
CONVERTIBLE SKIRT
Louis M. Sever, Los Angeles, Calif.
Application May 16, 1946, Serial No. 670,143
6 Claims. (Cl. 2—213)



1. A garment comprising: a peripheral portion forming a skirt; a rear slide fastener extending only from the bottom of said skirt to a point somewhat below the top of the garment; a front slide fastener extending from the bottom of the garment to the top thereof and so constructed that it is entirely released at the top of its travel; a crotch portion secured at the waist line to said skirt in such a manner as to form a garment having a continuous waist portion including portions of said crotch portion, said waist portion having a circumferential waist length sufficient to allow the waist encircling portion thereof to be pulled upwardly past the hips of the wearer; and an elastic tape situated at the waist line at the front thereof and secured at each end to said skirt and crossing those portions of the waist line occupied by the waist encircling portion of said crotch portion, said tape being secured near its center to the center of that portion of the crotch portion which forms a part of the waist line of the garment at this point, said tape constricting said garment at the waist line to fit about the waist of the wearer of the garment.

2,498,185
JAR VISE
Chester L. Shobe, Great Bend, Kans.
Application September 21, 1946, Serial No. 698,513
2 Claims. (Cl. 81—3.3)

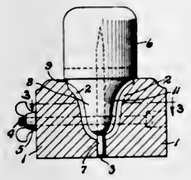


1. In a jar vise construction of the class described, an attaching fixture, said fixture embodying a U-shaped bracket including spaced parallel top and bottom flanges and an interconnecting web for said flanges, a complemental L-shaped bracket, said L-shaped bracket being positioned within the confines of said U-shaped bracket, the vertical flange of said L-shaped bracket being secured to the connecting web of said U-shaped bracket, the remaining horizontal flange being disposed beneath and in close-spaced parallelism to the top flange of said U-shaped bracket to provide a sheath, an L-shaped arm including coacting limbs, one limb being slidably positioned in said sheath and provided with outwardly facing rack teeth, the other limb projecting outwardly beyond said fixture and being provided with jar-gripping means, a second arm having its inner end portion fitted and pivotally mounted in said sheath, said pivotally mounted inner end portion having a detent laterally directed away from said other limb and releasably engaged with said rack teeth and serving to prevent the arms from shifting relative to each other during the operation of the vise, the major portion of said second arm projecting outwardly beyond said fixture and being provided on its outer end with jar-gripping means, both of said arms extending divergently away from said fixture.

2,498,186
PURIFICATION OF CERTAIN ALKALINE EARTH HALIDES AND CRYSTAL PRODUCTS THEREOF
Donald C. Stockbarger, Belmont, and Arthur A. Blanchard, Brookline, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 28, 1944, Serial No. 570,220
7 Claims. (Cl. 23—88)

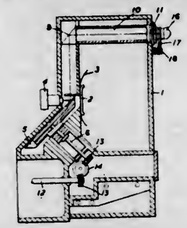
3. Method of purifying a member of the group consisting of alkaline earth metal and magnesium fluorides containing a small amount of an impurity normally associated with said member, which comprises heating a mixture of said member with a small amount of lead fluoride to a temperature and for a time sufficient to react the lead fluoride with said impurity to form a volatile reaction product, to melt the mixture, and to vaporize said reaction product and any unreacted lead fluoride, and separating the vaporized reaction product and lead fluoride from said member.

2,498,187
SUGAR BELL MOLD
Charles Sundstrom, Grand Rapids, Mich., assignor to Processing Specialties, Inc., Grand Rapids, Mich., a corporation of Michigan
Application September 22, 1947, Serial No. 775,527
1 Claim. (Cl. 107—19)



A mold comprising a body having a mold cavity therein extending from its upper side downwardly and adapted to receive an excess of material to be molded, and a member cooperating therewith having an upper portion to extend above said body for manual engagement to turn it, and a portion extending downwardly to enter said mold cavity, said downwardly extending portion being smaller than the mold cavity, a radially extending substantially vertical groove in said downwardly extending portion, one edge of said groove extending radially outwardly beyond the other edge thereof, and means for centering said member in said mold cavity.

2,498,188
CINEMATOGRAPH CAMERA WITH REFLECTING VIEW FINDER
Charles Vinten, London, England
Application May 8, 1947, Serial No. 746,732
In France June 16, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 16, 1959
5 Claims. (Cl. 88—16)

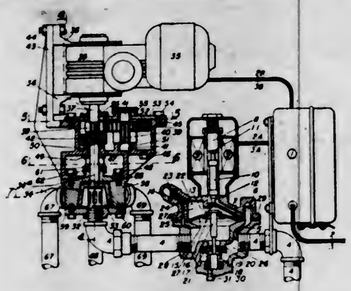


1. A cinematograph camera comprising a film gate, a lens system projecting images to be photographed on to a film in said gate, a centrally dished rotary disc shutter, inclined to the axis of said lens system, interposed between said lens system and said gate with its peripheral edge next adjacent and close to said film in said gate, a narrow part-annular area in said shutter, at and extending completely to the peripheral edge of the shutter, through which an image is projected on to the film during part of a rotational cycle of said shutter, a narrow part-annular opaque area in the edge of said dished shutter for cutting-off passage of light from said lens system to said film during another part of a rotational cycle of said shutter, a reflective surface on said opaque shutter area whereby during the whole of said cut-off time the light incident thereon from said lens system is reflected in a direction coplanar with the longitudinal centre line of the film in said gate, means for shifting the film during said cut-off time in order to bring to said gate an unexposed frame of the film, and optical means for receiving the light reflected from said opaque shutter area and providing thereby a viewing image of the scene being photographed.

2,498,189
AUTOMATIC CONTROL AND DISTRIBUTION OF FLUIDS
John H. Wattson, Salt Lake City, Utah
Application December 12, 1946, Serial No. 715,753
2 Claims. (Cl. 161—7)

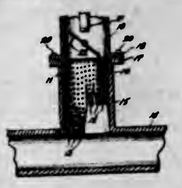
1. In a fluid distribution system including an automatic electrically operated timer and means for periodically supplying fluid to the system including a solenoid operated valve controlled by the timer; a fluid distribution apparatus having a plurality of circularly spaced fluid outlets and comprising, a motor controlled by the electrically operated automatic timer independently of the control of the solenoid operated valve by the timer, a shaft rotatably driven by said motor, a pinion secured to said rotatable shaft and having an incomplete complement of circularly spaced teeth, the number thereof being dependent upon the number of fluid outlets, a secondary gear dis-

posed in the same horizontal plane as said pinion and being provided with vertically elongated teeth, said secondary gear being operated through said pinion, a distribution gear disposed below



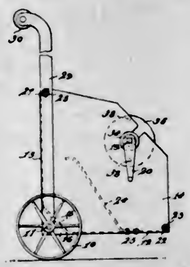
said secondary gear and rotated by the elongated teeth of said secondary gear to selectively control the on-off cycle of fluid flow through said fluid outlets.

2,498,190
MIXING DEVICE
Leonard M. Weeks, Milwaukee, Wis.
Application April 30, 1948, Serial No. 24,361
4 Claims. (Cl. 48—180)



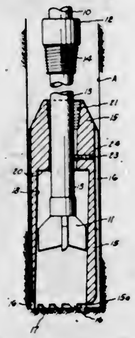
1. A device of the character described comprising a hollow cylindrical body having one half of one end cut away and formed with a plurality of spiral fins and having the remaining lower end formed with a plurality of oppositely spiralled fins.

2,498,191
BARBED WIRE REEL TRUCK
Charles W. Welker, Chicago, Ill.
Application May 28, 1947, Serial No. 750,956
2 Claims. (Cl. 214—65)



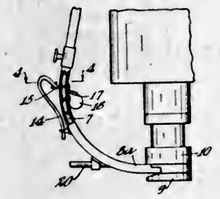
1. A hand truck comprising a body composed of a pair of horizontally spaced side walls, a bottom wall connecting the lower portions of the side walls, a back wall connecting the adjacent edge portions of the side walls, the upper free corner portions of the side walls being removed to provide an inclined edge portion, said side walls being formed with inclined slots opening through said inclined edge portion and adapted to receive the end portions of a reel shaft, a handle structure projecting upwardly from the side walls, adjacent the back wall and an elongated strip spring secured at one end to the bottom wall and projecting upwardly in a position to frictionally engage a reel mounted between the side walls to act as a brake.

2,498,192
WELL-DRILLING APPARATUS
Stanley Wright, Long Beach, Calif., assignor, by direct and mesne assignments, to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo., a corporation of Delaware
Application August 24, 1944, Serial No. 550,929
11 Claims. (Cl. 255—1.6)



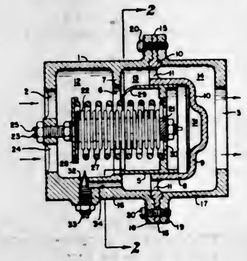
8. A well drilling apparatus including, a drill pipe, a drill bit secured to the lower end of said pipe, a guide sub having a longitudinal bore through which the drill pipe and bit are movable, means for detachably connecting the sub to the drill pipe with the bit disposed within the bore of said sub to permit lowering of the pipe, bit and sub as a unit within the well bore, disconnection of the detachable means permitting movement of the drill pipe and stem relative to the sub, whereby the drill bit may be moved downwardly into the formation below said sub to drill a pilot bore, co-acting means on the drill pipe and sub comprising spring-pressed elements mounted on the drill pipe and recesses formed in the sub in the upper portion thereof for connecting the pipe and sub together, the spring-pressed elements being disposed in spaced relation above the co-acting recesses in the sub when the sub is connected to the drill pipe by the detachable means and prior to a drilling operation, detachment of said detachable means and subsequent downward movement of the drill pipe and bit with relation to the sub to perform drilling of a pilot bore moving the spring-pressed elements carried by said drill pipe downwardly until said elements move opposite and engage the recesses in said sub, whereby the sub is coupled to the drill pipe and rotates therewith throughout subsequent drilling operations, and reaming cutters mounted on the external surface of the sub, whereby rotation of the sub following its connection to the drill pipe through the co-acting elements and recesses performs a reaming operation.

2,498,193
WARNING SIGNAL FOR CROWNING MACHINES
James E. Anglo, St. Paul, Minn., assignor to Coca Cola Bottling Company of Minnesota, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application December 28, 1946, Serial No. 719,096
9 Claims. (Cl. 116—67)



1. A signal apparatus to give a warning when a break occurs in a line of articles moving in a machine in substantial abutment, comprising a nozzle-forming element adapted to be connected with a source of air supply under pressure, means for directing said nozzle-forming element against one side of the articles in travel and a signal device adapted to be mounted at the opposite side of the line of articles and opposed to said nozzle-forming element and responsive to the discharge therefrom to give a warning signal when no articles are interposed between said nozzle-forming element and said signal device.

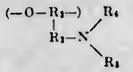
2,498,194
FLOW CONTROL VALVE
Robert A. Arthur, Santa Monica, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application April 2, 1945, Serial No. 586,145
5 Claims. (Cl. 236—92)



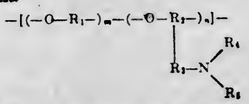
3. In a fluid flow control valve: a casing having an inlet at one end and an outlet at its other end; means extending inwardly from the outer wall of said casing and defining a valve port; a cylindrical valve element for operable cooperation with said port; a web portion for said valve element; a partition in said casing having openings therein for the passage of fluid therethrough, said partition having a central cup shaped portion, closed at one end and defining a cylinder within which the valve element is slidable, said valve element having a rim, a portion of which lies in one plane and a portion of which has a plurality of cut-away areas, equidistantly spaced from each other so as to provide a gradual throttling or restricting effect as the valve moves toward closed position; and a bellows having one end connected to the web portion of the valve element and the opposite end connected to a fixed support within the casing.

2,498,195
AMINO ALKYLENEOXIDE POLYMERIZATION PRODUCT
Seaver A. Ballard, Orinda, Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 18, 1946, Serial No. 704,284
5 Claims. (Cl. 260—584)

1. A composition of matter comprising a normally liquid mixture of linear copolymers having 1,2-oxyalkylene —(O—R_1—) units of from 2 to 6 carbon atoms and amino-substituted oxyalkylene



units of from 3 to 12 carbon atoms joined in the copolymer molecules thereof in units of the general formula

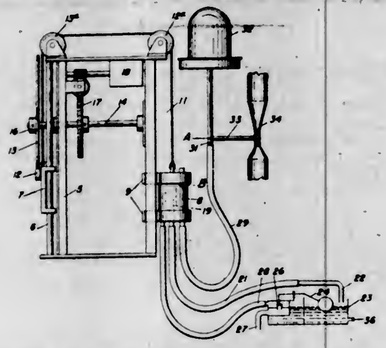


wherein R_1 is a hydrocarbon 1,2-alkylene radical of from 2 to 6 carbon atoms, R_2 is a hydrocarbon 1,2-alkylene radical of from 2 to 3 carbon atoms, R_3 is a hydrocarbon alkylene radical of from 1 to 3 carbon atoms and is attached by a carbon atom thereof to a carbon atom of the R_2 radical one carbon atom removed from the oxygen atom of said amino-substituted oxyalkylene unit, R_5 and R_4 are selected from the group consisting of hydrogen and saturated hydrocarbon radicals of 1 to 3 carbon atoms, and m and n are integers, said mixture being oxidation stable, having an average molecular weight between 200 and 1500 and the ratio of said oxyalkylene units and said amino-substituted oxyalkylene units in the mixture of copolymers being between 10 to 1 and 1 to 10.

2,498,196
CONTROL MECHANISM FOR METERING GASES TO FLUIDS
Edwin W. Barbee, San Carlos, Calif.
Application April 23, 1947, Serial No. 743,282
1 Claim. (Cl. 210—28)

In a device of the character described, a supporting frame, vertical slideways formed on opposite sides of said supporting frame, a water container mounted on one of said slideways for vertical movement therealong, a counterbalancing slider mounted on the other slideway for vertical movement therealong, guide pulleys mounted on said frame at the tops of said slideways, a cable connecting said water container and slider and trained over said pulley, a shaft extending transversely of said frame and projecting above said slider, a roller mounted on said slider, a timing cam fixed on said shaft and engaging on said roller, a constant speed drive for said shaft, a gas chamber, a pipe connecting said gas chamber and said water container, an overflow pipe extending into said water container and terminating adjacent to the top thereof, a tank

into which said overflow pipe discharges, said tank having a restricted outlet, a supply pipe leading to said water container, a valve controlling said



supply pipe, a float in said tank controlling said valve, a water pipe including a venturi, and a branch pipe extending laterally from said first pipe to the Venturi throat.

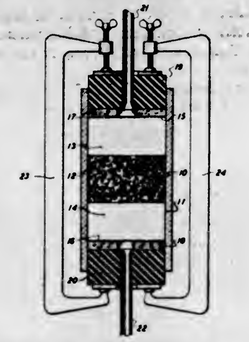
2,498,197
INFUSION PACKAGE AND METHOD OF MAKING SAME
Thomas Russell Baxter, Mount Vernon, Ohio, assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 444,454, May 25, 1942. This application January 9, 1948, Serial No. 1,336
10 Claims. (Cl. 99—77.1)



1. A tea bag, which comprises a sealed web of filter material adapted to hold a quantity of tea, said web being highly permeable and formed of closely interlaced cellulosic fibers and said fibers being bonded by lines of a non-toxic, substantially odorless and tasteless, hot water-repellent lacquer.

2,498,198
METHOD OF MEASURING PERMEABILITY
Carrol M. Beeson, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application December 14, 1946, Serial No. 716,393
4 Claims. (Cl. 73—38)

1. The method of measuring fluid flow through a lithological sample which comprises: shaping said sample to a block of standard dimensions; sealing said shaped sample to the inner surface of the medial portion of a rigid tube; packing a body of sand against the entire surface of each exposed end of said sample; placing a foraminous retaining member over the outer end of each of said sand packs; compressing said sand packs against said sample; forcing fluid under known pressure through said sample and said



sand packs; and measuring the rate of flow of said fluid.

2,498,199
LOW MELTING FLUX
Harold Hutchin Block, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
No Drawing. Application December 3, 1945, Serial No. 632,588
10 Claims. (Cl. 148—26)

1. In the brazing of light metal alloys, the improvement comprising cleaning the surface to be brazed by applying thereto a brazing flux consisting essentially of alkali metal halides and alkaline earth metal halides in which has been incorporated a substance selected from the group consisting of silicon halides and silicon hydrides, and heating the flux covered surface.

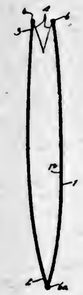
2,498,200
STABILIZED THIAMIN
Malcolm D. Bray, Noblesville, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application August 27, 1948, Serial No. 46,561
6 Claims. (Cl. 167—81)

1. A solution comprising water, thiamin, and in an amount effective to stabilize the thiamin, a member of the group consisting of thioglycerol, thiosorbitol and thioglucose.

2,498,201
DEODORIZING REFINED PETROLEUM OILS AND WAXES
Earl C. Daigle, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 12, 1947, Serial No. 728,204
6 Claims. (Cl. 196—21)

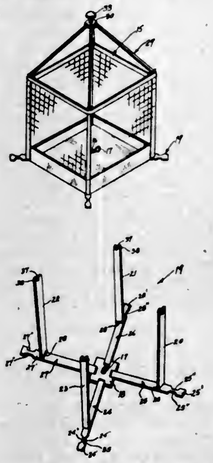
1. A process for producing substantially moisture-free, odorless refined petroleum oils and waxes, which comprises maintaining a moisture-containing refined petroleum product of the aforesaid character at a temperature between about 170° F. and about 190° F. in a substantially liquid condition, blowing said product with air until substantially free of moisture, introducing into said product a small amount of gaseous sulfur dioxide sufficient to remove the rancid odor developed as a result of the aforesaid air-blowing and to yield a substantially dry, odorless petroleum product.

2,498,202
SPECTACLE CASE
Robert E. Dingman, Indiana, Pa.
Application May 8, 1946, Serial No. 668,068
2 Claims. (Cl. 150—5)



1. An elongated flattened tubular case having one end closed and the other end and adjacent side edge portions open to provide a mouth and made of elastic material so that pressure on its side edge portions adjacent said open side edge portions causes said mouth to open wider by elastical strain of said material and release of said pressure causes said mouth to at least partially close by elastic recovery, the end edges of said open end having rigid struts extending therealong to prevent them straining upon application of said pressure.

2,498,203
CHILD'S PLAY PEN
Wilbur E. Fischer, Freeport, N. Y.
Application March 4, 1947, Serial No. 732,225
8 Claims. (Cl. 5—98)

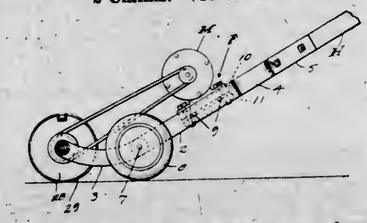


1. In an article of the character described a foldable pen frame comprising a member determining a floor area, a series of posts hingedly mounted at their bottom ends at spaced points on said member and adapted to be respectively swung downward to lie on said member, means on the pen frame for limiting the angular movement of the posts with respect to said member, a foldable canopy frame comprising a hinge block, a series of arms pivotally mounted at one of their respective ends to the hinge block and adapted to extend radially angularly therefrom and an arm positioning means on the canopy frame adapted to simultaneously move said arms substantially identically; the free ends of said arms and of said posts having cooperative engagement means, whereby when the posts are in their raised position and when the arms of the canopy frame are positioned extending angularly from the hinge block, the free ends of said arms are adapted to be set into engagement respectively with the respective posts of the pen frame, where upon manipulation of the arm positioning means to move said arms towards coplanar relation the frames become sturdy.

2,498,204
PURIFICATION OF LOWER OLEFINS
Alfred W. Francis, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application October 8, 1947, Serial No. 778,733
9 Claims. (Cl. 260—677)

1. A process for separating a primary normal olefin having three to four carbon atoms per molecule from a fluid mixture, which mixture contains at least about 75 mol per cent of said olefin when said olefin is propylene and contains at least about 40 mol per cent of said olefin when said olefin is 1-butene, which comprises: contacting said mixture with solid silver nitrate to form a liquid complex of said olefin with silver nitrate, said contacting being effected under conditions of temperature and pressure at which said liquid complex is stable; separating said complex from the remainder of the mixture while maintaining said temperature and pressure conditions; and dissociating said complex to silver nitrate and said olefin, thereby separating said olefin.

2,498,205
FLOOR POLISHER
Leon Goldenberg, Shreveport, La.
Application January 30, 1945, Serial No. 575,258
2 Claims. (Cl. 15—98)



1. A floor polisher comprising an elongated handle, a fork on one end of said handle including a pair of side arms, supporting wheels rotatably carried by said side arms intermediate the length thereof, a pair of parallel rods between said arms between said wheels and said handle, a motor, means adjustably supporting said motor on said rods, a roller, the axis of said roller and said motor being approximately equi-distant from the axis of said supporting wheels, axle pins carried by said roller concentric thereto at each

end thereof, bearings carried by said side arms at the free end thereof, said pins engaging in said bearings rotatably supporting said roller on said fork, a pulley on one of said pins, and a flexible member trained about said pulley operatively connecting said roller with said motor, the weight of said motor substantially counterbalancing said roller about said supporting wheels, said arms being upwardly bowed between said wheels and said roller, whereby upward movement of said handle about the wheel axis will shorten the moment arm of said motor and increase the moment arm of said roller for applying the weight of said roller on a surface to be polished.

2,498,206

PRODUCTION OF PARAFORMALDEHYDE

Bertrand W. Greenwald and Raymond K. Cohen, Pawhuska, Okla., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Application December 7, 1948, Serial No. 64,031

9 Claims. (Cl. 260—340)

1. The process for producing paraformaldehyde, including subjecting a formaldehyde solution to a first stage concentration, interrupting the concentration when the concentrate contains from about 55 to about 65 per cent formaldehyde by weight, holding the concentrate at a temperature expressed in °C. varying from the numerical value of the formaldehyde concentration by not more than 7 for a period of time sufficient to allow substantial polymerization of formaldehyde, and thereafter subjecting the concentrate to a second stage concentration and drying until a paraformaldehyde assaying not less than 95 per cent formaldehyde by weight is produced.

2,498,207

PAPER COATING COMPOSITION AND COATED PAPER

Herman C. N. Heckel, Oxford, Ohio, assignor to The Champion Paper & Fibre Company, Hamilton, Ohio, a corporation of Ohio

No Drawing. Application September 6, 1945, Serial No. 614,807

2 Claims. (Cl. 106—163)

2. Coated paper having substantially the same printing qualities as casein coated paper which comprises paper base carrying a coating adherent thereto and deposited from an aqueous composition comprising mineral pigment 100 parts dry weight, and from 8 to 30 parts of an adhesive comprising oxidized cellulose dissolved in alkali, said oxidized cellulose being prepared by treating cellulose with nitrogen peroxide to give a carboxyl content of from 7 to 16 per cent, said aqueous composition having a solids content of about 50%.

2,498,208

INSOLUBILIZED CELLULOSE ETHER

Alva L. Houk, San Luis Obispo, Calif., and Louis H. Bock, Huntingdon Valley, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 3, 1946, Serial No. 713,839

2 Claims. (Cl. 260—232)

1. A process for insolubilizing an alkali-soluble cellulose ether formed by reacting alkali cellulose with isobutylene oxide and removing alkali therefrom, which comprises treating said cellulose ether with a solution of a water-soluble cobalt salt and heating the thus-treated cellulose ether at 120° to 150° C. until the said ether is insoluble.

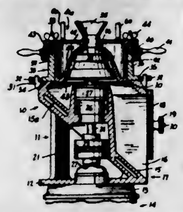
2,498,209

PROCESSING MILL

Henry D. Iredale, Geneva, N. Y., assignor to Geneva Processes, Inc., Geneva, N. Y., a corporation of New York

Application July 16, 1945, Serial No. 605,380

2 Claims. (Cl. 99—353)



1. In combination, a rotor, and a stator, said rotor and stator having closely spaced opposed surfaces, one of said surfaces being recessed intermediate but remote from both ends of the rotor to form an expansion chamber, means to feed substance between said surfaces, and means to feed live steam to said chamber.

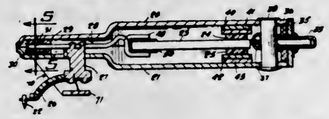
2,498,210

PIEZOELECTRIC PHONOGRAPH PICKUP DEVICE

Charles E. Kilgour, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application November 2, 1948, Serial No. 57,963

2 Claims. (Cl. 179—100.41)



1. In a phonograph pickup of the type comprising a casing and a torsion-type piezoelectric crystal and a stylus mounted for vertical compliance in a plane normal to the central plane of the crystal, the combination of the following: a member for transmitting motion from said stylus to said crystal, said member having a flat integral front portion and said stylus being coupled to said member intermediate the ends thereof, means for clamping the rear end of said member to the front end of said crystal, and clamping means comprising a pair of pads disposed in the casing above and below said front portion and beyond the point of coupling of said member to said stylus for completing the support of said member, both of said clamping means acting in a direction normal to the plane of the crystal thereby to permit restrained lateral movement of the junction of said member and said crystal in the plane of said crystal.

2,498,211

BRACELET AND METHOD OF MAKING THE SAME

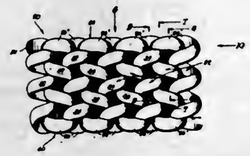
Jacques Kreisler, New Rochelle, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation

Application January 27, 1947, Serial No. 724,655

8 Claims. (Cl. 59—80)

1. A bracelet band, comprising a series of laterally extending alternate, oppositely directed spiral elements with their convolutions in

meshed relation, the intermeshed convolutions of adjacent elements being at each of their intersections mutually deformed into mutual limited interlocked relation to prevent substantial relative movement between said adjacent elements, other than limited pivotal relative movement therebetween about axes parallel to their longitudinal axes, adjacent end convolutions of



successive elements having curved portions, respectively, disposed alternately on opposite sides of the band, and each of said curved portions being inclined relative to the median plane of the band toward the opposite side of the band and having an end portion disposed within and concealed by the curved and inclined end portion of the adjacent end convolution of the adjacent element.

2,498,212

THERMOREGULATOR

William D. Laverell, Norristown, and Thomas M. Walton and Fritz H. Mumberg, Philadelphia, Pa., assignors to Precision Thermometer & Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 27, 1947, Serial No. 724,528

8 Claims. (Cl. 200—141)



1. A sealed instrument comprising a tubular member containing an apertured partition, a straight stem having a threaded surface and slidable through said aperture and guided by said partition, a nut having a member extending through the wall of said tubular member, said nut engaging said stem and coacting with the thread thereof to effect rectilineal movement of said stem, a liquid conductor complementary to said stem, and means for rotating said stem to effect the rectilineal movement thereof.

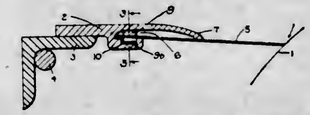
2,498,213

DOCTOR DEVICE FOR ROLLS AND CYLINDERS

Ernst R. Ljungquist, Worcester, Mass., assignor to Lodding Engineering Corporation, Worcester, Mass., a corporation of Massachusetts

Application June 17, 1946, Serial No. 677,324

2 Claims. (Cl. 92—74)



1. A doctor device of the character described, comprising in combination, a rigid holder having a longitudinally extending slot therein and a groove formed within the confines of and extending lengthwise within said slot, a blade having its rear edge portion slidingly received lengthwise within said holder slot, the forward edge of said blade being adapted for doctoring a rotating surface, said blade having formed therein a series of perforations spaced longitudinally of and adjacent the said rear edge blade portion, and a flexible positioning strip extending sinuously through said perforations for yieldably engaging the opposed walls of said holder slot and having portions thereof received within said groove thereby to limit the lateral movement of said blade within said holder slot.

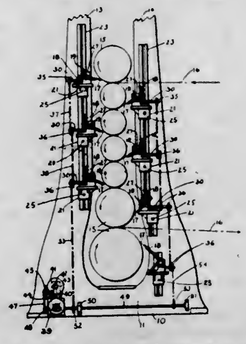
2,498,214

DOCTOR MECHANISM FOR PAPER MACHINES

Ernst R. Ljungquist, Worcester, Mass., assignor to Lodding Engineering Corporation, Worcester, Mass., a corporation of Massachusetts

Application June 20, 1946, Serial No. 678,003

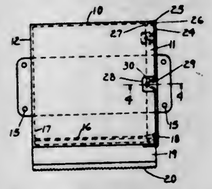
1 Claim. (Cl. 92—74)



In a doctor operating mechanism for a paper making machine having spaced stationary frame members and a plurality of rolls stacked therebetween, a doctor blade disposed adjacent each of said rolls, a carrier for each of said doctor blades, trunnion members secured upon and extending beyond the opposite end portions of each of said carriers, means carried on said frame members for rotatably and slidably supporting one trunnion of each of said carriers, apertured block members each rotatably receiving therein a respective one of the other of said trunnion members, means to prevent relative endwise movement between each of said blocks and its associated trunnion member, and bracket mem-

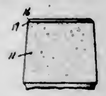
bers carried by said frame members for slidably supporting each of said blocks; the combination therewith of means for imparting back and forth endwise movements to said block carriers, said means comprising a rack mounted upon each of said blocks and disposed lengthwise of its associated carrier, a stub-shaft carried by each of said bracket members, each stub-shaft being disposed adjacent and substantially at right angles to its associated trunnion, a pinion carried upon each of said stub-shafts and meshing with a respective one of said racks, a pulley mounted upon each stub-shaft, a single motor-actuated crank member, and means connecting each of said pulleys with said crank member thereby to oscillate all of said doctor blades back and forth in unison.

2,498,215
ROLLED PAPER DISPENSER
Burton H. Locke, Framingham, Mass.
Application July 26, 1947, Serial No. 763,805
4 Claims. (Cl. 242—55.5)



1. A dispenser for rolled paper comprising a housing to receive a roll of paper, one end of said housing being open to admit the roll of paper, one side of said housing being adapted for mounting in an operating position, a longitudinal slot in said housing for dispensing the paper, said slot being open cooperatively with the open end of said housing to facilitate insertion of the paper, a shearing blade protruding from said housing at one side of said slot, the outer edge of said blade being suitable to sever the paper thereon, and a slip-cover for the open end of said housing comprising a plate to abut the end of the housing wall and thereby complete the enclosure of the roll of paper, and a sleeve portion to fit inside of the housing wall, and a plurality of intermittently spaced clips to contact the outside of the housing wall to secure the said wall against said sleeve and thereby retain the open end of the housing in operating position.

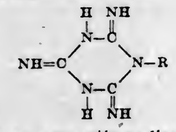
2,498,216
CHEMICAL APPARATUS
Walter O. Luertzing, Vineland, N. J., assignor to Lurex Manufacturing Company, Vineland, N. J., a corporation of New Jersey
Application March 24, 1948, Serial No. 16,711
3 Claims. (Cl. 285—161)



1. A glass article which comprises a tubular body having a smooth unground circumferential surface at one end, said surface including a zone having an outer surface portion extending backwardly from said end and outwardly at an acute angle to the axis of the blank and an inner surface portion extending backwardly from said end and inwardly at an obtuse angle to the inner periphery of the end portion of the article, the body also having a ground circumferential surface of frusto-conical form, the small end of the ground surface meeting said zone with the angle between the ground surface and the surface of the zone greater than a right angle.

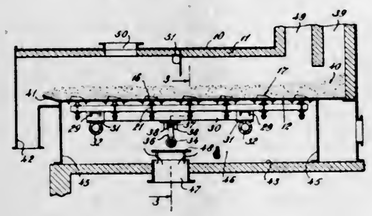
2,498,217
CHLORINATED ISOMELAMINES
Daniel E. Nagy, Stamford, and Donald W. Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 9, 1945, Serial No. 581,944
5 Claims. (Cl. 260—239.6)

1. Chlorinated mono-aromatic-substituted isomelamines having the formula



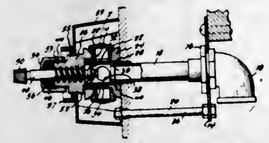
in which R is an aromatic radical and containing from about 25% to 40% by weight of available chlorine.

2,498,218
CONVEYING APPARATUS
Sigurd Nielsen, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application August 29, 1947, Serial No. 771,272
In Denmark September 30, 1946
14 Claims. (Cl. 34—164)



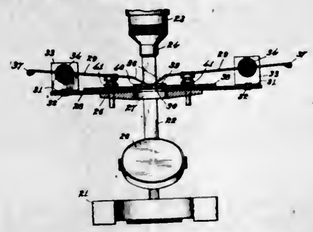
1. In apparatus for conveying material in bulk, the combination of a substantially horizontal stationary support having a plurality of bearing surfaces spaced along and extending transversely of the support, each bearing surface, having an opening therethrough, a conveying element resting on each bearing surface in direct contact therewith, the element having a steep front face extending transversely of the support and a top surface sloping rearwardly from the front face at a smaller angle to the horizontal than that of the front face, a structure beneath the support mounted for reciprocation lengthwise of the support only, means for reciprocating the structure, and means extending through the openings in the bearing surfaces for connecting the individual elements to the structure for reciprocating movement on the bearing surfaces on which the respective elements are mounted.

2,498,219
PLURAL VALVE PLUMBING FIXTURE
John R. O'Brien, West Hempstead, N. Y.
Application September 24, 1945, Serial No. 618,205
5 Claims. (Cl. 277—57)



1. A plural valve plumbing fixture including in combination: A hollow distributing-head having spaced apart laterally extending apertures therethrough, a water passage communicating with its hollow interior and with said apertures, said apertures having connection with a hot and cold water supply and with a water outlet, means connecting all of said water supply means extending through and sealing the apertures against leakage, and valve means located within the hot and cold water supply connecting means for controlling the flow of water to said water outlet, said valve means including a removable valve seat having a tapered end adapted to cooperate with an outwardly flared end provided on the hot and cold water supply.

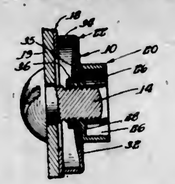
2,498,220
MICROSCOPE AUXILIARY STAGE WITH ELECTRODES
Harold M. Porter, Hagerstown, Md., assignor to The Mitchel-Tyler Company, Hagerstown, Md., a corporation of Maryland
Application April 17, 1946, Serial No. 662,825
4 Claims. (Cl. 88—40)



2. An auxiliary stage for microscopes comprising an elongated base, a bracket adjacent each end of said base, a pair of electrodes having a ball and socket connection with said brackets respectively, in combination with a micro-slide on said base, said slide having a well, and the inner ends of said electrodes terminating in ends adapted to be positioned in said well.

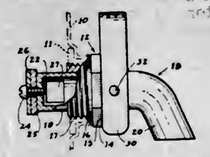
2,498,221
FASTENER UNIT
Ouglesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application September 22, 1945, Serial No. 618,005
5 Claims. (Cl. 151—41.5)

1. A fastener unit comprising a permanently united rotary fastener member having an internal thread helix and a thread locking spring washer carried thereby as a preassembled unit, said fastener member having a work facing surface at one end thereof, an implement engaging portion adjacent the other end thereof, and an annular sleeve portion therebetween, the washer comprising a dished sheet metal member having a central opening, the inner annular margin of which is rotatably mounted on said annular sleeve portion, and the washer body extending materially outwardly of the body of the fastener and having an outer marginal edge projecting away from the implement engagement portion of the fastener member for engagement with a workpiece, and a series of interlocking cooperative abutments on the fastener and washer for resisting relative rotation therebetween when in resilient engagement, the abutments on the fastener member extending radially outwardly of



said sleeve portion said annular fastener sleeve portion being provided with limiting means towards which the inner annular margin of the washer is flexed as an incident to the coaction of said abutments, the abutments of the washer being disposed between said inner margin and outer marginal washer edge, whereby the resiliency of the washer body serves both to maintain said abutments interlocked and said outer marginal edge in engagement with the workpiece when the parts are in work clamping position, and said limiting means functions to limit the extent to which the inner margin of the washer may be axially shifted upon the flexing of the washer body by the engagement of the abutments.

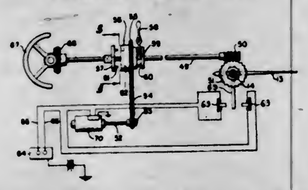
2,498,222
POURING SPOUT OR FAUCET FOR CONTAINERS
Seward M. Roberts, Chicago, Ill., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois
Application December 5, 1944, Serial No. 566,728
4 Claims. (Cl. 251—8)



2. In closing and pouring constructions for containers, a plug receivable within a container opening to normally close the same, said plug being formed with a bore hole for the reception of a spout member, a spout member within said bore hole and mounted in a sliding fit with respect to the same, removable means on the inner end of said spout member for closing the end of the same and engaging with the inner end of said plug member to serve as a stop at the end of the slideable movement of the spout in one direction and to gasket said plug and spout against leakage therebetween, actuating means carried by said spout member for engaging the said plug for moving said spout member into closed extended position, said actuating means comprising a pivoted lever carried by said spout member,

a face on said lever for engaging said plug to maintain said spout member in closed position, a second face on said lever to engage said plug and maintain said spout member in open retracted position admitting material to be poured into said spout member in advance of the closed rear end thereof.

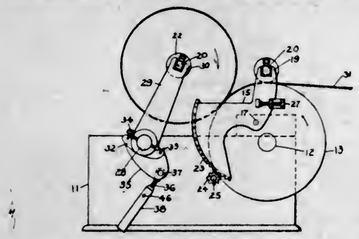
2,498,223
STEERING APPARATUS FOR SHIPS
William G. Rommel, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application December 5, 1944, Serial No. 566,663
7 Claims. (Cl. 192—.02)



1. Steering apparatus for controlling the movement of a ship rudder, comprising: power means including an electrically operated means for moving said rudder in both of its directions of movement, and means for controllably energizing said electrically operated means, including a source of power, a pair of conductors for conducting current to the respective field coils of said electrically operated means, a gyroscope having a vertical plane of rotation and mounted for turning movement with reference to the ship on a vertical axis, a contact carried by said gyroscope, a pair of contacts, one on either side of said gyroscope carried contact, and each connected to one of said conductors, and a manual overcontrol switch comprising a switch arm connected to said source of electric power and a plurality of electric contacts, engageable by said switch arm, one of said contacts being connected to said gyroscope carried contact and adapted, when engaged by said switch arm, to establish an automatic control circuit for said electrically operated means, and the other of said over control contacts being connected respectively to said two conductors so as to provide for manual control of the operation of said electrically operated means in either direction, overriding said automatic control.

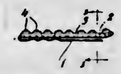
2,498,224
PAPER WINDING MACHINE
William Ernest Stone, Shrewsbury, Mass., assignor to Rice Barton Corporation, Worcester, Mass., a corporation of Massachusetts
Application August 3, 1946, Serial No. 688,258
4 Claims. (Cl. 242—65)

1. In a paper winding machine having a driving drum, a pair of arms pivotally supported adjacent said driving drum, a paper winding roll carried by said arms and disposed in surface contact with said driving drum for being driven thereby and for winding paper upon said winding roll, toggle means having one link thereof connected to and movable in unison with and about the axis of said arms while its other link is pivotally connected to a normally stationary means, and means to apply a force against said toggle means at all times, said toggle means and said last mentioned means being so positioned that when said winding roll is empty the resultant of said force passes directly through and at right angles to the pivotal axis of said arms, and said toggle means being adapted, in response



to an angular movement of said arms, to bias said arms away from said driving drum with a force substantially proportional to the angular distance moved by said arms.

2,498,225
HAT CLASP
Christina Strambini, Bronx, N. Y.
Application March 28, 1947, Serial No. 737,747
1 Claim. (Cl. 132—57)



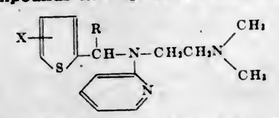
A device of the character described comprising a single longitudinal piece of resilient material being bent near its center portion to a substantially U-shaped formation to provide a bight and a pair of legs, one of the legs being straight and slightly longer than the other while the latter is partially crimped, an ornamental colored layer which matches the color of a hat being provided at said straight leg, and jewelry being secured to said ornamental layer, the outer extremities of both legs being curved outwardly, and the straight leg being adapted to be slid upon the outer side of the rim portion of a hat while the crimped leg is inserted beneath a layer of hair adjacent the hat, all substantially as described.

2,498,226
POLYMERIZATION OF COMPOUNDS CONTAINING A TERMINAL METHYLENE GROUP
Bernard Thomas Dudley Sully, Ewell, England, assignor to A. Boake Roberts and Company Limited, London, England, a British company
No Drawing. Application June 29, 1948, Serial No. 35,980
9 Claims. (Cl. 260—89.1)

1. A process for the polymerization in aqueous dispersion of polymerizable compounds containing a terminal methylene group which comprises heating the dispersion for a period of time of from 1 to 24 hours in the presence of: (a) a sulphur compound selected from the group consisting of sulphites and free sulphur dioxide, said sulphur compound being dissolved in the aqueous phase of the dispersion; (b) oxygen to oxidise the sulphur compound; and (c) a salt selected from the class of metal salts that catalyse sulphite oxidation; and controlling the concentration of the oxygen available within the reaction sphere by carrying out the reaction in a closed space, and supplying an hourly rate of feed from 0.0004 to 0.05 part by weight of oxygen per 100 parts by weight of the compound to be polymerized.

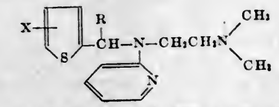
2,498,227
ANTIHISTAMINES AND PREPARATION OF THE SAME
Leslie Hunt Sutherland, Jr., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 26, 1947, Serial No. 794,097
9 Claims. (Cl. 260—296)

1. Compounds having the general formula

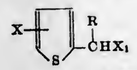


in which X is a member of the group consisting of hydrogen and halogen radicals and R is an alkyl radical, and the acid salts thereof.

5. A method of preparing compounds having the general formula

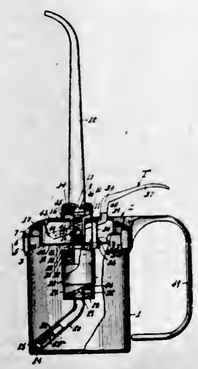


in which X is a member of the group consisting of hydrogen and halogen radicals and R is an alkyl radical, which comprises mixing together under reactive conditions a compound having the formula



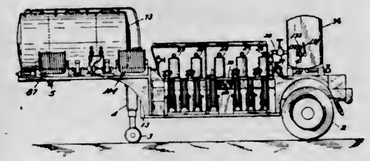
in which X and R are as defined above and X_1 is a halogen, and an alkali metal salt of dimethylaminoethylaminopyridine.

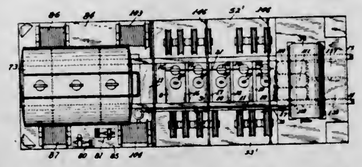
2,498,228
HAND PUMP OILER
Richard F. Zaroban, Hastings, Nebr., assignor to Dutton-Lainson Co., Hastings, Nebr., a corporation of Nebraska
Application October 17, 1945, Serial No. 622,713
7 Claims. (Cl. 222—341)



1. In a hand pump oiler, a straight side container, a cover therefor, having an annular flange and having a handle, said cover and container having cooperating bayonet joint parts, said cover having a groove, a gasket in the groove, said container having a gasket engaging face, a spout detachably mounted on the cover, said cover and spout having cooperating joints forming inclined and rounded shoulders, said cover having on its underside a flange forming a box-like member, a cover plate for cooperating with the box-like member, a tubular member extending downwardly from the cover, adapted to communicate with the spout, an oil tube, extending from near the bottom of the container, and projected through said cover plate and detachably connected to the tubular member, a hollow piston, surrounding and communicating with the oil tube, having a bottom fixed to the oil tube, a cylinder, telescoped with the piston, having a top slidable on the oil tube, spring-closed check valves in the oil tube and tubular member, a trigger mounted on the cover for pivotal movement, having a portion pivotally engaging the cover on its underside, a slotted portion receiving the tubular member, and a portion projecting through the cover to be engaged by the operator, a plunger slidable in the cover plate between the trigger and the cylinder, and a spring in the piston and cylinder tending to move them apart.

2,498,229
PORTABLE SERVICE STATION MOUNTED ON A VEHICLE
John H. Adler, Pittsburgh, Pa., assignor to Jax, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1948, Serial No. 37,738
10 Claims. (Cl. 222—128)



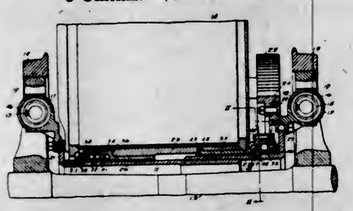


1. A trailer chassis comprising a pair of longitudinally extending frames, the front end portions of which are at a higher level than the rear end portions, there being a gooseneck-like integral connection between said portions, a plurality of cross braces integrally connected with and extending in spaced parallel relation crosswise of said frames, and a plurality of tanks extending transversely of said frames and directly supported by said cross braces so as to become a part of the cross framing, each of said tanks having supporting means integrally extending from the upper portions of the side walls thereof intermediate their height and directly supported by the flanges of said cross braces, therefore being readily detachable and replaceable and whereby a substantial portion of the height of said tanks depends below said cross braces.

10. A trailer tank vehicle having mounted thereon a liquid fuel storage tank, a pair of hose reels with dispensing spigots at the ends thereof, said reels being mounted on opposite sides of said

vehicle, a source of air under pressure also mounted on said vehicle, an air motor connected to said source, an air pump mechanically coupled to said motor, thereby preventing exposure of the liquid fuel to air from said source, a plurality of supply pipes connecting said tank to said reels and to which said pump is connected so as to force liquid under pressure from said tank to said reels, said supply pipes including pressure regulating valves, shut-off valves for disconnecting said tank from said pump, and a separate outlet and inlet connected to said pipe whereby a flexible hose may be connected from an external source of supply to said inlet while said outlet may be connected by a second flexible hose to said fuel storage tank in a manner so that said pump will pump liquid from said external source of supply into said tank while the connections to said respective reels from said tank are closed.

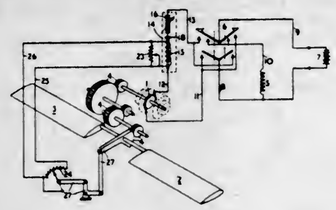
2,498,230
LOCOMOTIVE AXLE QUILL DRIVE
Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1945, Serial No. 625,431
5 Claims. (Cl. 105—131)



1. In a locomotive drive, in combination, an axle, a wheel removably secured to each end of the axle, a rotatable quill surrounding the axle, a spider secured to one end of the quill, a gear and spider secured to the other end of the quill, a motor having a pinion for driving the gear, a divided housing secured to the motor frame for the quill, roller bearings for the quill, a cartridge disposed in the housing for each roller bearing, said cartridges being movable axially toward each other for inspection of the bearings when a portion of said housing is removed and the axle and quill are dropped, and resilient members disposed in said spiders to engage said wheels.

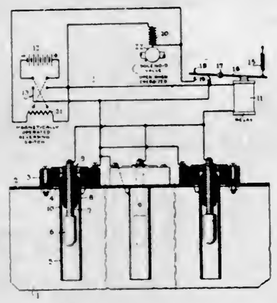
2,498,231
CONTROL OF ELECTRIC MOTORS FOR OPERATION OF WING FLAPS OF AIRCRAFT
David Porteous Alexander, Farnborough, England
Application January 10, 1946, Serial No. 640,332
In Great Britain January 10, 1945
4 Claims. (Cl. 318—474)

1. Electrical control gear for aircraft-wing flaps comprising a reversible separately excited direct current motor, means including reversible reduction gearing for coupling the motor to the wing flaps of an aircraft, direct current supply leads for the motor armature, a manually operable reversing switch having a "flaps up" and a "flaps down" position interposed between the supply leads and the motor, a carbon pile resistance connected in series between the switch and the motor, spring means acting to compress the carbon pile, an armature on said spring means, and an electromagnet having a winding connected in series with the carbon pile between the switch and the motor and acting on the armature to oppose the action of the spring means on the carbon pile, whereby in operation the current in



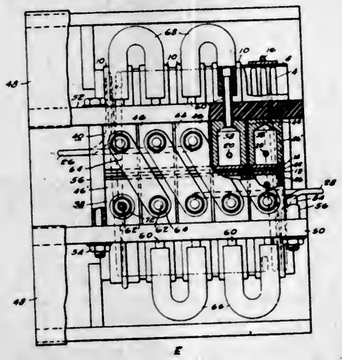
the winding of the electromagnet and therefore to the motor armature is maintained substantially constant.

2,498,232
ELECTRICAL LIQUID LEVEL CONTROL
John M. Andrews, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application May 10, 1948, Serial No. 26,075
1 Claim. (Cl. 137—68)



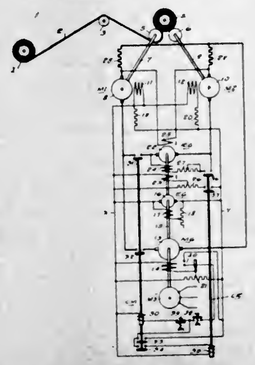
Means for controlling the flow of an electrically conductive liquid to a tank to maintain a substantially constant liquid level therein comprising in combination with said tank; a valve controlling the flow of liquid thereto; solenoid means to operate said valve; a plurality of pairs of electrodes mounted upon said tank, each pair of electrodes being so located as to be electrically connected by said liquid when the liquid level reaches the desired maximum at that pair of electrodes; a magnetic relay switch having a winding and a switch element to be operated by said winding; an automatic reversing switch comprising a second switch element and a trip coil to operate said second switch element; a first circuit including the winding of the relay switch, said switch element of the reversing switch and said pairs of electrodes, the latter being connected in parallel with one another; a second circuit including said solenoid, the switch element of the relay switch and said trip coil, said reversing switch being arranged to be actuated by intermittent energization of said second circuit and serving to reverse the polarity of the electrodes of the various pairs whereby incrustation of the electrodes is resisted; and a source of current for said circuits.

2,498,233
HIGH-FREQUENCY APPARATUS
Robert M. Baker, Baltimore, and Edward M. Wharff, Arbutus, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1945, Serial No. 602,862
16 Claims. (Cl. 175—356)



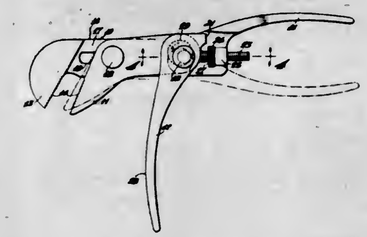
11. Apparatus of the induction type comprising a plurality of individual hollow terminal blocks arranged in a pair of spaced rows, with insulation between said rows and between terminal blocks of a row, a plurality of parellel single-turn conducting straps in edgewise spaced relation, the ends of said straps being abuttingly secured to separate sides of said terminal blocks, and means for cooling said straps and terminal blocks comprising a plurality of individual tubing, each secured to one of said straps, and a duct-path comprising an insulating hose between at least two of said terminal blocks.

2,498,234
DRIVE SYSTEM
Rest R. Baker, Pittsburgh, and Walter R. Harris, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 18, 1946, Serial No. 642,036
8 Claims. (Cl. 242—75)



1. An electric motor control system, comprising two direct-current motors, a main generator connected to said two motors for energizing them simultaneously, a regulating generator of reversible voltage having an armature circuit connected with one of said motors for varying the amount of current flowing through said one motor said regulating generator having voltage-sustaining self-excited field means and having separately excited field means for controlling the magnitude and polarity of the reversible voltage, circuit means disposed for providing a normally constant voltage for said separately excited field means, and circuit means disposed for providing a variable voltage for said separately excited field means so that the resultant field of said latter field means depends on the differential value of said two voltages, said latter circuit means being connected to said two motors and responsive to the respective load currents thereof so that said variable voltage depends on the differential value of said currents, whereby said motors are caused to operate under maintenance of a load current difference depending upon the magnitude of said variable voltage.

2,498,235
ADJUSTABLE WRENCH HAVING PLIER-LIKE HANDLES
Hiram E. Barber, Crete, Nebr.
Application August 21, 1945, Serial No. 611,814
2 Claims. (Cl. 81—78)

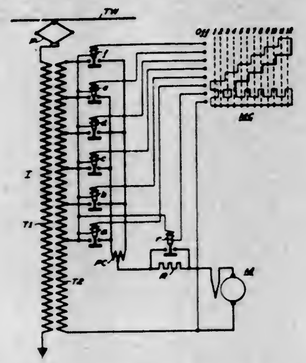


1. A hand tool comprising; an elongated element having a stationary jaw portion at one end and a handle portion at its opposite end, said element having an elongated slot formed intermediate said jaw and handle portions, a movable jaw element, a pivot element secured to said movable jaw element and engaged in said slot, said movable jaw having a lever extending rearwardly toward said handle portion from said pivot element, an actuating handle for said movable jaw, said handle pivotally mounted on said elongated element and including a cam engaged in the rearward end of said movable jaw lever and adapted to rock said movable jaw on its pivot element relative to said stationary jaw.

2,498,236
CONTROL SYSTEM FOR ALTERNATING CURRENT MOTORS
William L. Barclay, Jr., Scarsdale, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1947, Serial No. 769,839
4 Claims. (Cl. 323—43.5)

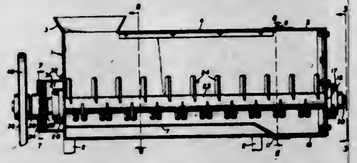
1. In a control system, in combination, a transformer having a plurality of taps thereon, a plurality of tap-changing switches operable sequentially to connect a load circuit to successive taps on the transformer, current limiting means, and switching means for causing the current limiting means to be inserted in series-circuit relation

with the load circuit upon the closing of each tap-changing switch and shunted from the load



circuit between closing operations of the tap-changing switches.

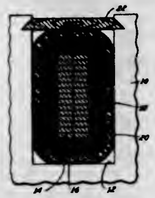
2,498,237
FEED MIXING MACHINE
Elmer W. Baymond, Lancaster, Pa.
Application March 12, 1947, Serial No. 734,143
1 Claim. (Cl. 259—104)



A feed mixing machine including an elongated hollow body or mixing chamber, a feed hopper and a fixed end wall at one end thereof, discharge means at the opposite end thereof an inspection door directly above said discharge means, a removable end wall closing said opposite end parallel longitudinally extending agitators comprising parallel extending sections of pipe, plugs pinned in the outer ends of the end sections and being reduced to form bearing ends rotatably mounted on said walls, and longitudinally spaced radially extending overlapping paddle blades supported upon said pipe sections.

2,498,238
RESISTANCE COMPOSITIONS AND PRODUCTS THEREOF
Leo J. Berberich and Wesley W. Pendleton, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1947, Serial No. 745,022
3 Claims. (Cl. 174—120)

1. A resistance composition composed of 100 parts by weight of an oil modified alkyd resin derived by reacting from 45% to 60% by weight of a drying oil compound selected from the group consisting of linseed oil and linseed oil acids, from 40% to 30%, respectively of phthalic anhydride, and the balance glycerol, from 8 to 25 parts by weight of acetylene black and at least 150 parts by weight of a volatile organic solvent, the composition having been milled until the viscosity and resistivity attain relatively constant values, and cured films of the composition having a resistivity of from 3000 to 6000 ohms per square of surface area.



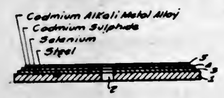
3. An electrical winding comprising, in combination, an electrical conductor having a slot portion, electrical insulation applied to the electrical conductor at the slot portion, the insulation including an exterior fibrous covering, and a cured resistance composition applied to the slot portion of the exterior fibrous covering, the cured resistance composition composed of a drying oil modified glycerol-phthalate resin containing 45% to 60% by weight of the drying oil, from 40% to 30% by weight of phthalic anhydride and from 10% to 15% of glycerol, and from ¼ to 1/12 of its weight of colloidal acetylene black, the whole having been milled to a relatively constant volume resistivity, the fibrous covering so treated having a resistivity of 400 to 2500 ohms per square of surface area.

2,498,239
SOUND TRANSMISSION EAR VESTIBULE FOR TELEPHONE CONVERSATION RECORDING
Scott B. Berkeley, Goldsboro, N. C.
Application October 29, 1948, Serial No. 57,176
4 Claims. (Cl. 179—182)



1. A portable sound transmission device for use in recording telephone conversation comprising a body adapted to be supported in contiguity to the user's ear in the position usually occupied by the earpiece of a telephone receiver, an earpiece provided on said body for direct ear contact, an abutment face formed exteriorly on said body to receive application of the earpiece of a telephone receiver, a seat provided on said body to receive application of a recorder microphone in close proximity to the body earpiece and abutment face, said body being provided with an internal acoustical sound chamber communicating with the said body earpiece, abutment face and microphone seat whereby sound waves of articulate speech produced by the diaphragm of the telephone receiver at the abutment face will be transmitted through said sound chamber to the body earpiece and microphone seat by air conduction and without utilizing or affecting electrical energy of the telephone circuit, a head-engageable supporting member, and suspension means connecting the said body with the supporting member.

2,498,240
SELENIUM RECTIFIER
Wayne E. Blackburn, Hollywood, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application March 20, 1947, Serial No. 735,883. Divided and this application June 19, 1948, Serial No. 34,043
1 Claim. (Cl. 175—366)



An electrical circuit element comprising an interface between selenium surfaced with cadmium sulphide and an aggregate consisting of cadmium and an alkali metal.

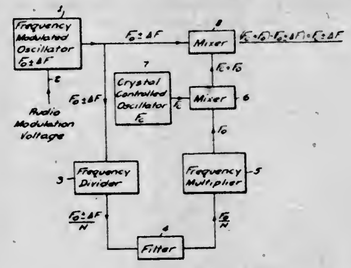
2,498,241
ARC SPOT WELDING APPARATUS
Hugh S. Bowen, Fairfield, Ala., assignor of forty-nine per cent to Walter B. Bowen, El Paso, Tex.
Application January 28, 1949, Serial No. 73,334
2 Claims. (Cl. 219—8)



1. In an arc spot welding apparatus, the combination of an elongated sleeve of insulating material, an electrode holder positioned in said sleeve, an elongated guide slidable on one end portion of said sleeve and affording an electrode receiving chamber, said guide having an outer end wall provided with an opening communicating with said chamber, a pair of elongated pockets provided longitudinally at opposite sides of the guide exteriorly of the chamber, a pair of fingers secured to said sleeve and having laterally angulated end portions slidable in said pockets, a retractable electrode extending slidably through said opening into said chamber and having its inner end secured in said holder, and compression springs provided in said pockets and bearing against the angulated end portions of said fingers for retracting said electrode into said chamber.

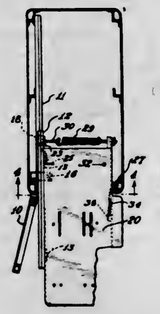
2,498,242
CONTROL SYSTEM
John R. Boykin, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,403
11 Claims. (Cl. 332—19)

5. The method of generating a frequency modulated wave having a rigorously constant center-frequency which comprises generating a frequency modulated wave having a center-frequency which may vary, deriving from said wave a wave having substantially only the last-mentioned center-frequency, mixing the last-mentioned wave with a wave having a rigorously fixed frequency to produce a wave having a frequency equal to the sum of the frequencies of the two waves last mentioned, mixing the last-mentioned wave with a wave of the frequency first mentioned to produce



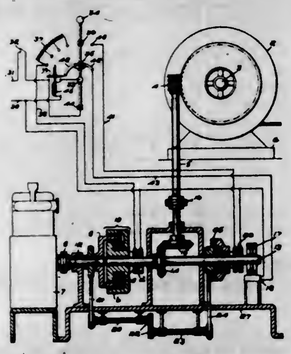
a frequency-modulated wave having a center-frequency equal to said rigorously fixed frequency.

2,498,243
FOLDING TYPEWRITER PLATFORM FOR PEDESTAL DESKS
John H. Brinker and Frank Conley, Norwood, Ohio, assignors to The Globe-Wernicke Co., Norwood, Ohio, a corporation of Ohio
Application March 27, 1947, Serial No. 737,680
8 Claims. (Cl. 312—29)



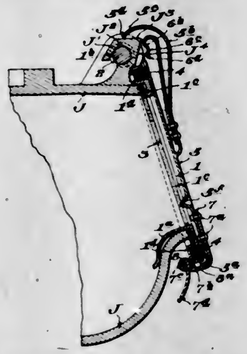
1. In a pedestal typewriter desk structure in which there is a track mounted on an inside wall of said pedestal and a runner is mounted for movement longitudinally of said track, there being a typewriter shelf hingedly secured to said runner, and a channel shaped track extending substantially the full length of the edge of said shelf opposite said hinged edge, and in which there is a roller mounted on said wall in a position to engage in said channel shaped track when said shelf is in a substantially vertical position, and in which there is a cutout portion in said track, said roller being so disposed with respect to said cut out portion that it may pass therethrough only when said shelf is in its fully withdrawn position; an abutment on said track and a latch on said runner so located that it is in a position to enage said abutment when said shelf is in its fully withdrawn position, means tending to urge said latch to engaging position when said shelf is lifted, so that said shelf cannot be pushed in, said shelf when brought to the vertical position rendering said last mentioned means inoperative so that the shelf may then be pushed in.

2,498,244
WINCH DRIVING MECHANISM
Isadore Bromfield, Waban, Mass.
Application September 14, 1944, Serial No. 554,093
6 Claims. (Cl. 192—9)



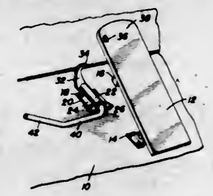
1. A driving mechanism for the towing winches of vessels, comprising a power shaft, a driven shaft, an electrically operated eddy current coupling connecting said shafts, a power take-off mechanism operatively connected with the driven shaft to receive power therefrom to drive said winch, a brake for said driven shaft, additional mechanical connections between said shafts for reversing the rotation of said driven shaft, the latter connections including a clutch, and a rigid frame on which said shafts, coupling, clutch and brake are assembled in definite cooperative relationship to each other to form a power transmitting unit.

2,498,245
LOCK-SEAL LID
Donald D. Bryant, Huntington, W. Va.
Application August 6, 1946, Serial No. 688,723
18 Claims. (Cl. 308—45)



1. In a lock-seal lid for journal boxes or the like having a bottom wall sloping upwardly and outwardly and terminating at an opening in the outer end of the box, and having a central hinge lug on its top wall above said opening carrying a horizontally disposed hinge pin, said lug having a substantially horizontal top face, and said box having a frame around the box opening; a gasket around the outer face of the frame projecting beyond said face; a cover plate hinged on said pin and adapted to overlie the frame; means on the cover plate for yieldably maintaining the upper end of the plate in tight contact with the frame when the plate is in closed position; handle means on the lower end of said plate having a portion yieldably engaging the frame for locking the cover plate in tight contact with the gasket when the plate is in closed position, and means on the cover plate yieldably engaging the top face of the hinge lug when the plate is in open position to hold the plate in said position.

2,498,246
BRAKE PEDAL LATCH
Charles Buckel, Springfield, Oreg.
Application October 29, 1947, Serial No. 782,888
1 Claim. (Cl. 74—542)

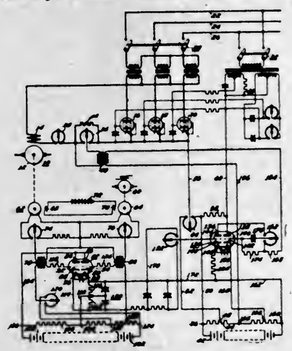


Means for retaining a spring-urged foot pedal in a lowered position relative to a floor board comprising, a sleeve secured to the floor board adjacent one edge of the pedal, said sleeve being spaced parallel to the longitudinal axis of the pedal, a lever bar rotatably mounted in said sleeve, and a hook fixed to one end of said bar, said pedal having a recess for engaging said hook to retain the foot pedal depressed and spaced slightly from a floor board, the remaining end of said lever bar being angulated to provide an upwardly inclined foot engaging portion and a bearing portion, said foot-engaging portion and said bearing portion being normally spaced from the floor board during engagement of the hook member with the foot pedal, and said bearing portion engaging the floor board upon disengagement of said hook member from said pedal to limit the outward movement of the hook member relative to the pedal, said foot engaging portion and said bearing portion forming a means for urging said hook member from said recess as the foot pedal is pressed against a floor board.

2,498,247
SPEED REGULATING SYSTEM
Stephan L. Burgwin, East Aurora, and Joseph F. Kovalsky, Buffalo, N. Y., and Robert E. Hull, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1947, Serial No. 783,100
14 Claims. (Cl. 318—317)

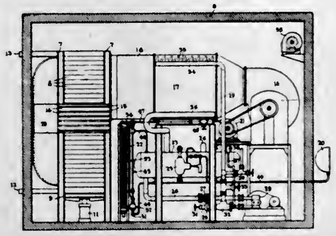
1. In a system for regulating the speed of a dynamo-electric machine having a field winding, the combination comprising; means disposed for operation to control the field excitation of the dynamo-electric machine, a pair of vacuum valves each having twin anodes, cathodes, grids and heater filaments, a source of voltage constituting a predetermined reference voltage connected in circuit with one of the grids of one of the vacuum valves, another source of voltage constituting a measure of the speed of the dynamo-electric machine connected in circuit with the other grid of said one of the vacuum valves, said sources

thereby controlling the conductivity of the associated anode-cathode circuits of said one of the vacuum valves, and means connected in circuit relation with the anode-cathode circuits of said one of the vacuum valves and with one of the grids of the other of the vacuum valves for providing a grid potential therefor that is a measure



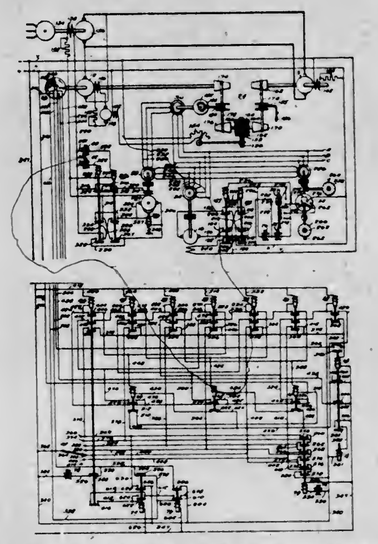
of unbalance between said sources, said grid potential controlling the conductivity of said other vacuum valve means to modify the operation of the control means to change the field excitation of the dynamo-electric machine in accordance with the measure of unbalance between said sources.

2,498,248
MEANS FOR REDUCING FROSTING IN LOW-TEMPERATURE FREEZERS
Joseph R. Chamberlain, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application February 13, 1947, Serial No. 728,276
8 Claims. (Cl. 62—2)



3. In a food freezing plant, the combination of a thermally insulated enclosure; conveying means for transporting layers of material in a controlled path within said enclosure while affording extended surface exposure of the material; a main refrigerative evaporator; means comprising a fan and related duct for passing air in a confined stream from the space within said enclosure into contact first with the evaporator and then with said material, in two passes, the first with at least partly frozen material, and the second with less frozen and unfrozen material; and an auxiliary evaporator interposed in the path of air discharging from said second pass, said auxiliary evaporator being so located that air may by-pass it and reach the entrance to said duct even though the auxiliary coil becomes clogged by frost.

2,498,249
ADJUSTABLE COUNTING RELAY SYSTEM
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 19, 1941, Serial No. 389,346
16 Claims. (Cl. 175—320)

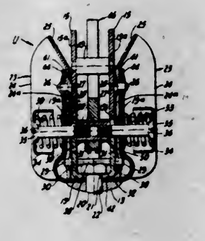


1. A control system for an electro-responsive control means operable to effect an operation comprising, an energizing circuit for the electro-responsive means, a plurality of electrical control circuits, selectively-operable switch means having contact members individually connected in said control circuits for partially closing any desired one of said circuits, a plurality of counting relays each associated with a separate one of said circuits and having contact members individually connected therein for completing the selected circuit when the counting relay associated with the selected circuit is actuated, circuit means including a limit switch adapted to be actuated through a series of identical cycles and having contact members which are closed during a portion of each cycle only for effecting the successive operation of said counting relays, and relay means connected to be energized in response to the completion of the selected control circuit and having contact members connected to close the energizing circuit of the electro-responsive control means, said relay means having normally closed contact members connected in said circuit means including the limit switch which function when said relay means is operated to deenergize any of the counting relays which have been energized to render them effective to repeat the counting operation to provide another operation of the relay means.

2,498,250
SWITCH CONTACT DEVICE
Fred H. Cole, Los Angeles, Calif.
Application September 23, 1946, Serial No. 698,791
7 Claims. (Cl. 200—166)

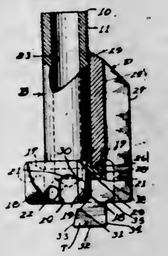
1. An electric switch device, including a supporting member, opposed conductors on opposite

sides of said supporting member, a generally U-shaped laminated structure having a base portion engaging said supporting member and opposed arms engaging the exteriors of said opposed conductors, a high conductivity pin extending through and securing a laminated arm to



each conductor and having a silver coating on its inner end, a second high conductivity pin secured to each conductor and having a silver coating engageable with said supporting member, and means for urging said conductors toward each other.

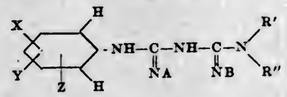
2,498,251
DRILL BIT
Ernest S. Creel, Houston, Tex.
Application January 19, 1948, Serial No. 3,132
3 Claims. (Cl. 255—61)



1. A drill bit comprising a blade support having a long tubular member and a substantially semi-globular head on one end thereof, the head having the rounded side directed downward and providing an upwardly facing part surrounding said member, said part having an inwardly beveled surface, a plurality of blades each comprising an arcuate plate, a blade shank extending from an end of the plate and a tooth integral with the shank, said shank having a top edge portion extending across and spaced from the adjacent end edge of the plate, said plate being formed to partly encircle the tubular member and having said end edge formed to seat in said inwardly beveled surface, said head having a laterally and downwardly opening slot in said rounded side for each blade in which the said top edge of the shank engages, the head having water discharge ports each adjacent to a side of a slot for discharge across the face of an adjacent tooth face, and a tubular coupling threaded on the other end of said tubular member.

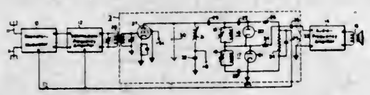
2,498,252
BIGUANIDE COMPOUNDS
Francis Henry Swinden Curd and Francis Leslie Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 19, 1947, Serial No. 755,711
12 Claims. (Cl. 260—565)

1. A compound selected from the group consisting of the free base form and salts of the biguanides of the general formula:



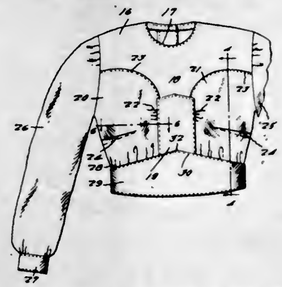
wherein A is a radical from the group consisting of hydrogen and 1 to 3 carbon atom alkyl; B is a 1 to 3 carbon atom alkyl radical; X and Y are radicals from the group consisting of hydrogen, halogen and 1 to 3 carbon atom alkyl; Z is the radical of a halogen atom of atomic weight greater than fluorine; R′ is a lower alkyl radical; and R″ is a radical from the group consisting of hydrogen and lower alkyl, the sum of the carbon atoms in the radicals R′ and R″ being between 1 and 8 inclusive.

2,498,253
FREQUENCY-MODULATION DETECTOR SYSTEM
Leslie F. Curtis, Great Neck, and Bernard D. Loughlin, Bayside, N. Y., assignors to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 16, 1946, Serial No. 670,070
19 Claims. (Cl. 250—27)



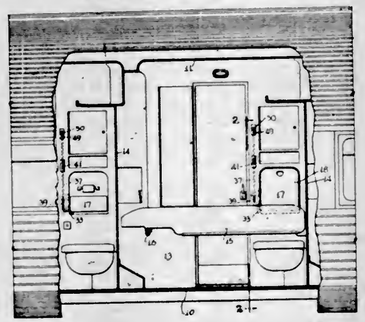
1. A frequency-modulation detector system comprising, a pair of resonant circuits in series with one another, a pair of rectifiers in series with one another and having individual ones thereof coupled across individual ones of said resonant circuits to form a pair of rectifier networks, at least one of said networks having an amplitude-translation characteristic varying with frequency over a predetermined frequency range, said networks being individually conductive for wave-signal currents but individually substantially non-conductive for currents of modulation-signal frequencies, means included with the rectifiers of said networks in a series unidirectional current conductive circuit in which said rectifiers have like polarity and adapted to provide in said last-mentioned circuit a bias potential which may change with wave-signal intensity but which has a substantially constant value over any period corresponding to a cycle of the lowest frequency undesired amplitude-modulation component, means for applying a frequency-modulated wave signal to both of said networks while maintaining equal effective values of wave-signal current flow to each thereof, and a modulation-signal output circuit effectively coupled across a portion of said series circuit including one of said rectifiers.

2,498,254
LADY'S BLOUSE
Harold E. Davidson, Quantico, Va.
Application February 15, 1949, Serial No. 76,451
2 Claims. (Cl. 2—106)



1. A lady's blouse comprising two back panels overlapping at their adjacent edges and provided with fastening means, a front yoke secured along its top edge to the top edges of said back panels and having a neck opening therein adjacent the mid-length location of said top edge, a centerpiece secured at its top edge to the lower edge of said yoke at the mid-length location of said lower edge, two side panels secured along their top edges to the bottom edge of said yoke, along their adjacent side edges to the corresponding edges of said centerpiece and along their remote side edges to the corresponding side edges of said back panels, and respective sleeves secured at their shoulder ends to connected back and side panels and to the opposite ends of said yoke, the seams between the upper edges of said side panels and the bottom edge of said yoke being curved upwardly and outwardly from the top end of said centerpiece, said side panels being gathered along said centerpiece and having between their top and bottom edges respective pleats extending from the seams between said side and back panels toward said centerpiece and tapering toward said centerpiece.

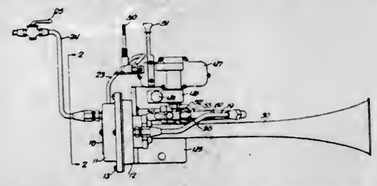
2,498,255
SLEEPING CAR ROOM ARRANGEMENT
Walter B. Dean, Narberth, and Norman W. Fesmire, Willow Grove, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 18, 1945, Serial No. 605,710
3 Claims. (Cl. 4—169)



1. A room for sleeping cars or the like having

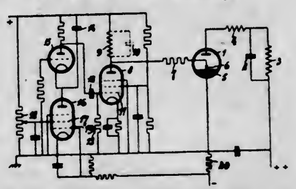
a vertical enclosing wall provided with a recess, a wash basin foldable into the recess in said wall, and pivotal means for mounting said basin in the recess permitting its movement to extended position, said pivotal means comprising slots extending from the face of said wall inwardly along the sides of said recess and pins on said wash basin engaging said slots, at least one of said slots being provided with a locking shoulder facing inwardly of the open end of the slot, the slot being widened vertically in the region inwardly of said shoulder, the pin engaging said slot being provided with a lateral arm, said arm being automatically moved behind said shoulder to lock the wash basin in place, when the basin is moved to mounting position with the pins adjacent the inner ends of the slots.

2,498,256
INTERMITTENTLY OPERATED VACUUM HORN
Henry N. Dimick, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application July 24, 1945, Serial No. 606,785
5 Claims. (Cl. 116—22)



1. In an intermittent vacuum horn, a mounting bracket, a vacuum line connection mounted on said bracket, a valve mounted on said bracket in communication with said vacuum line connection, a vacuum motor producing oscillatory motion mounted on said bracket, a vacuum line from said vacuum connection to said motor, a vacuum line from said valve for connection with said horn, and means operated by said motor to intermittently open and close said valve.

2,498,257
DEVICE FOR GENERATING HIGH-FREQUENCY ELECTRICAL OSCILLATIONS
Tjiske Douma, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 16, 1948, Serial No. 2,737
In the Netherlands January 30, 1947
6 Claims. (Cl. 250—36)



1. Apparatus for producing oscillations of high frequency comprising a shock excited oscillator including a gaseous discharge device having an ignition electrode and an oscillatory circuit connected in series with said device, a controllable impulse generator yielding periodic

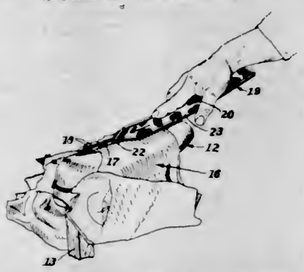
pulses, the output of said generator being applied to said ignition electrode to fire periodically said device thereby to excite said oscillatory circuit, means for deriving a control voltage from said oscillator varying in accordance with the output thereof, and means to apply said control voltage to said generator to control the periodicity thereof and thereby counter act variations in the output of said oscillator.

2,498,258

METHOD OF PRESSING GARMENT SEAMS

Arthur C. Duske, New York, N. Y., and Raymond H. Reiss, Deal, N. J., assignors to Reiss Manufacturing Corporation, Wilmington, Del., a corporation of Delaware

Application November 2, 1945, Serial No. 626,284
2 Claims. (Cl. 38—144)



1. The method of pressing open the loose edges of a garment seam which consists in pressing the garment on the buck of a conventional garment press with the edges facing upwardly, then spreading and flattening the edges against the adjacent material of the garment by introducing the pointed edge of a substantially flat, foraminous, resilient tool at one end of the seam and moving said tool longitudinally of the seam, said tool being independent of and removable from the press, maintaining the edges flattened by having the tool rest loosely upon the seam and flattened edges, and thereafter applying moisture, heat and pressure independent of the tool over the said tool to press the flattened edges while the said tool is over the seam and edges.

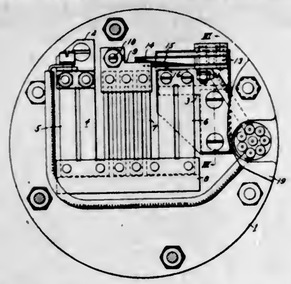
2,498,259

THERMOSTATICALLY ACTUATED CONTROL SYSTEM

William B. Elmer, Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 22, 1945, Serial No. 579,230
10 Claims. (Cl. 60—23)

1. In a thermostatically actuated control system, a thermostatic responsive structure comprising at least two coextending spaced apart flat strips in side by side relation and capable of lying in the same cylindrical surface, means rigidly joining one pair of adjacent ends of the strips to each other, a base, means rigidly securing the other end of one of the strips to the base, the other end of the second strip, lying adjacent the other end of the first strip, being free to move relative to the base in response to unequal heating of said two spaced apart strips, means mounted on the base and biased against the said other end of the second strip to thus move along and over the cylindrical surface of the said other end of the second strip upon a predetermined movement of the said other end of the second strip with reference to the base to thus retain the other end of the second strip in the position determined by



the predetermined movement, and means actuated by said other end of the second strip by the said predetermined movement thereof.

2,498,260

SIGNAL FOR MAILBOXES

Bruno J. Fabis, Melrose Park, Ill.

Application May 6, 1947, Serial No. 746,177
3 Claims. (Cl. 232—34)



2. A signal device for installation upon rural type mail boxes, comprising a mounting bracket having a main body plate, means for mounting said bracket on an outer surface of said box to provide a space therebetween, a signal arm including an upper and a lower end, a pivot pin extending through said plate and said lower end of said arm and pivotally mounting said arm on said plate outwardly thereof for pivotal movement in a plane parallel to said surface, said pin including a bifurcated portion extending into said space between said plate and said box surface, a coil spring concentrically disposed on said bifurcated portion with one end bearing against an inner surface of said plate, and the free ends of said bifurcated portion being outwardly bent back upon themselves to confine the other end of said spring and maintain said arm in resilient engagement with said plate.

2,498,261

UNIFORM SCALE ELECTRICAL RATIO INSTRUMENT

George H. Fritzinger, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application May 19, 1945, Serial No. 594,635
8 Claims. (Cl. 171—95)

1. In an electrical instrument: the combination of a bar of permanent-magnet material; a shoe of non-permanent magnetic material secured at its central portion to a pole end portion of said bar and in transverse relation to said bar; a magnetic flux return member for said bar spaced from said shoe, said shoe having a flux-radiating surface confronting said flux return member which is at shorter distances from said



member at points on said surface nearer the ends thereof; means interconnecting said bar and flux return member for relative pivotal movement; and a field coil having a portion in the flux field between said bar and said return member for producing a magnetic field to exert a torque influence on the bar relative to the return member.

2,498,262

FLUID FOIL LIFTING SURFACE

Maurice A. Garbell, San Francisco, Calif., assignor, by direct and mesne assignments, of one-fourth to Maurice A. Garbell, Inc., San Francisco, Calif., a corporation of California, and three-fourths to Garbell Research Foundation, San Francisco, Calif., a corporation of California

Application September 16, 1946, Serial No. 697,281
12 Claims. (Cl. 244—35)



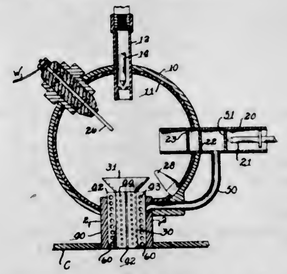
1. A lifting surface with three or more controlled fluid-foil sections, in which the first section with a small mean-line camber is located at the root, the second section with greater mean-line camber is located at the fluid-dynamically effective tip, and the third or additional fluid-foil sections are located at stations interjacent between the root and the tip, wherein the values of the mean-line camber of the interjacent fluid-foil sections are at variance with the values of the mean-line camber obtainable at the respective spanwise stations by means of straight-line fairing between the fluid-foil section located at the root of the lifting surface and the fluid-foil section located at the tip of the lifting surface, and wherein the mean-line camber of one or more of the interjacent fluid-foil sections exceeds the mean-line camber of the more highly cambered tip section, said three or more controlled fluid-foil sections having values of the mean-line camber selected in such manner that the resulting spanwise distribution of maximum attainable section lift coefficients of the three or more controlled sections forms a curvilinear polygon enveloping a curve representing the spanwise distribution of section lift coefficients prevailing at the maximum attainable lift coefficient of the lifting surface, for a given planform and discarding the effect of any material amount of aerodynamic washin.

2,498,263

IGNITION APPARATUS FOR COMBUSTION CHAMBERS USING INTERMINGLED COMBUSTION LIQUIDS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application August 23, 1947, Serial No. 770,312
2 Claims. (Cl. 158—28)



1. In combustion apparatus, a wall forming a combustion chamber, ignition apparatus for said combustion chamber comprising an igniting tube communicating through said wall, means to provide an igniting flame delivered through said tube to said chamber, a sleeve providing an annular passage around said igniting tube, which passage is freely open to said combustion chamber at its inner end, means to hold said tube and sleeve in concentric spaced relation, said tube having a plurality of transverse perforations therein for delivery of a portion of liquid oxygen from said passage to said igniting flame within said tube, and means to supply liquid oxygen to said annular passage for delivery into said tube and also direct to said combustion chamber.

2,498,264

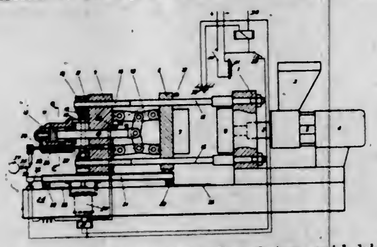
INJECTION MOLDING MACHINE

Franz Karl Goldhard, London, England

Application June 19, 1945, Serial No. 600,313
In Great Britain June 29, 1944
7 Claims. (Cl. 18—30)

1. In an injection moulding machine for plastic materials, a first die plate, a plurality of elongated tie rod tension members each secured at one end to said first die plate and extending therethrough in parallel relation, a thrust plate movable along said tie rod members towards and away from said first die plate, low power means for moving said thrust plate along said tie rod members and for securing such thrust plate immovably to said tie rod members in desired set position, a second die plate disposed between said first die plate and said thrust plate

and movably interconnected with the latter, high power means for forcibly moving said second die plate away from said thrust plate and toward said first die plate, said high power means having an operative stroke which is limited to that necessary to effect elongation of said tie rods sufficient to set up the desired clamping pressure between the opposed die plates, said high power means comprising toggle mechanism, hydraulic means for operating said toggle mechanism, and means for interlocking said toggle mechanism with the low power means so that said toggle mechanism is operable only when the thrust plate is stationary and vice versa.

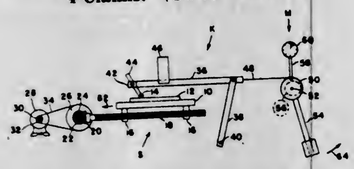


2,498,265

APPARATUS FOR MEASURING ADHERENCE OF COATING FILMS

Henry Green, deceased, late of Forks Township, Northampton County, Pa., by Mildred L. Green, executrix, Easton, Pa., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application May 8, 1948, Serial No. 25,957
4 Claims. (Cl. 73—150)



1. In a device for measuring the adherence of a film of an organic coating material to a surface coated therewith, said device comprising a support on which to mount a specimen of a surface coated with such a film, a holder for a knife blade, means to bring the knife blade and the film into opposing contact, and means to measure the force required to strip the film from the surface; a knife blade formed of a natural substance having concentric striations or growth rings, the cutting edge of the blade lying in a plane substantially perpendicular to the axis and also lying substantially along a radius of such concentric striations or rings, said striated substance being softer than said surface but harder than said coating material.

2,498,266

LIQUID CEMENT BRUSH WIPER

Pasquale Guagliano, Mill Valley, Calif.

Original application April 24, 1946, Serial No. 664,678. Divided and this application June 10, 1947, Serial No. 753,615
1 Claim. (Cl. 220—90)

A brush cooperating double action wiper means adapted to be mounted within a container, said means consisting of a single longitudinal member shaped into a somewhat S-shaped member having a large arc and a small arc forming parts of a complete circle, said arcs being in a single plane, a chordal bar in a depressed plane relative to said arcs, and vertical legs connecting said chordal bar to said arcs at one end only of each of said arcs, the other end of said small arc being free and the other end of said large arc being bent outwardly of said circle and providing a container securing member, for attachment to an inner surface of the container with said arcs and chordal bar spaced from such inner container surface, whereby a brush may be wiped first on said chordal bar and then on one of said arcs in a single withdrawing action from the container.

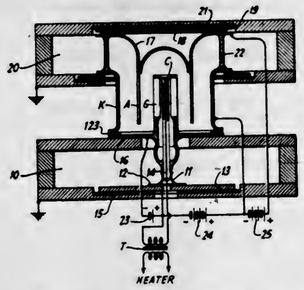


2,498,267

HIGH-FREQUENCY AMPLIFIER

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 4, 1946, Serial No. 659,475
9 Claims. (Cl. 315—39)



1. An electron discharge device comprising a thermionic cathode, a control electrode comprising a plurality of radially extending vanes surrounding said cathode, an apertured anode surrounding said control electrode, and a secondary electron emissive electrode surrounding said anode, means electrically connected to said control electrode for substantially grounding said control electrode, and means for maintaining said anode at a positive potential and said secondary emissive electrode at an appreciably higher positive potential relative to said cathode said last named means comprising a voltage source connected to said cathode and secondary emissive electrode.

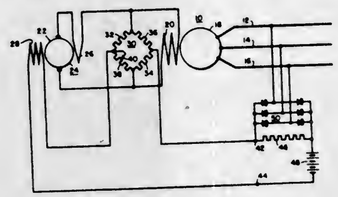
2,498,268

REGULATING SYSTEM

Edwin L. Harder, Pittsburgh, Pa., and Herbert S. Kirschbaum, Columbus, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 15, 1949, Serial No. 87,724
7 Claims. (Cl. 322—25)

1. In a regulating system for an alternating current generator provided with a field winding, in combination, a regulating exciter, the regulating exciter having an armature connected in circuit with the generator field winding for supplying the excitation thereof, a series field winding for the exciter for normally supplying the excitation of the exciter, said armature circuit having a variable resistance, a control field winding for the exciter disposed to be energized in accordance with a departure of the generator voltage from a predetermined value, a resistor means connected across the exciter disposed to have a resistance variable in accordance with the variable resistance of the exciter armature circuit, said resistor means also being connected in circuit relation with the control field winding for modifying the energization thereof to maintain normal excitation of the exciter under the variable resistance conditions of the exciter armature circuit.

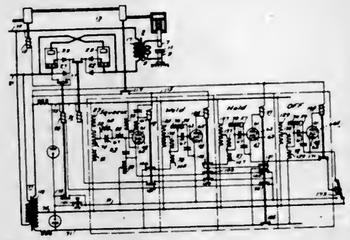


2,498,269

SEQUENCE WELD TIMER

Edward C. Hartwig, Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 3, 1948, Serial No. 36,963
11 Claims. (Cl. 315—246)



1. In combination an electric discharge device having an anode, a cathode and a control electrode; a capacitor; first and second terminals for connection to an alternating current supply; connections including said first terminal, said capacitor and said control electrode in series; connections including said second terminal and said cathode in series; connections for discharging said capacitor and a switch for connecting said cathode to said first terminal.

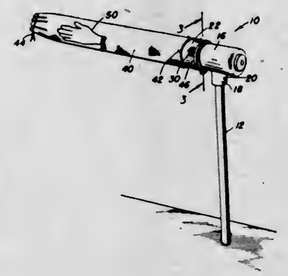
2,498,270

COMBINED TRAFFIC SIGNAL AND GUARD

Joe E. Hawley, Twin Falls, Idaho

Application March 29, 1948, Serial No. 17,613
7 Claims. (Cl. 177—329)

5. In a combined traffic signal and guard, the combination of an electric motor having a substantially horizontal armature shaft, an open-ended tubular duct secured at one end thereof to said motor and formed in the wall thereof with a plurality of air inlet openings, a collapsible signalling and guarding member having an open ended tubular configuration and connected at one end there to said duct, and a blower fan secured to said shaft and rotatable in said duct whereby a current of air may be forced through said member for projecting the same from a downwardly collapsed to a horizontally extended and inflated position.

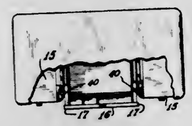


2,498,271

DESK PEDESTAL LOCKING STRUCTURE

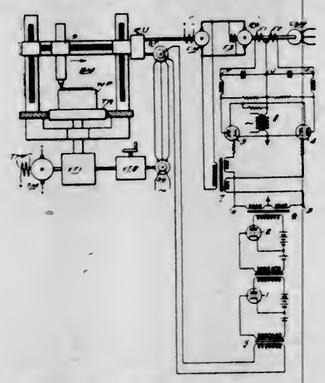
Thomas A. Hearn, Ludlow, Ky., assignor to The Globe-Wernicke Co., Norwood, Ohio, a corporation of Ohio

Application February 28, 1947, Serial No. 731,675
8 Claims. (Cl. 45—94)



1. In combination with a desk having a drawer pedestal and a center drawer disposed adjacent thereto, said pedestal having corner frame members, drawer runners extending between said corner frame members on the inside thereof, and an outer wall extending between said corner frame members on the outside thereof, a locking device for the drawers in said pedestal comprising a rod vertically disposed between said drawer runners and said outer wall, a number of pawls carried by said rod and disposed opposite the respective drawers, an abutment on each of said drawers engageable by said pawls when said rod is rocked axially in one direction and cleared by said pawls when said rod is rocked axially in the other direction, spring means urging said rod axially in said other direction, said rod having an offset therein adjacent the upper end thereof, and having a portion extending outside said outer wall in a position to be abutted by the center drawer front just before it is completely closed, whereby in the final closing movement of said center drawer said rod is rocked axially against the force of said spring in said first direction, locking the drawers in said pedestal against withdrawal.

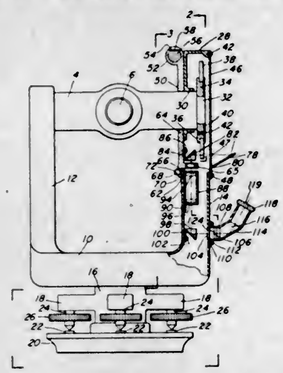
2,498,272
MACHINE-TOOL CONTROL SYSTEM
Louis W. Herchenroeder, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1945, Serial No. 614,949
5 Claims. (Cl. 77—4)



1. A control system for driving the cutting tool of a machine tool depending upon movements of the workpiece comprising, in combination, a synchro-tie generator driven at a speed proportional to the speed of the workpiece, a synchro-tie transformer driven at a speed proportional to the speed of the cutting tool, means for supplying alternating current to said synchro-tie generator, electrical means for driving said cutting tool, a regulating generator forming a part of said electrical means, said regulating generator having the resistance of its load circuit so adjusted that the resistance line thereof is tangent to the initial straight line portion of the no-load saturation curve of the generator, so that the generator is self-energizing and may have an electrical output represented by any of the points of tangency of the said resistance line and the no-load saturation curve, independent of external excitation; a field system for exciting the said regulating generator and controlling the electrical output thereof, an electronic amplifier including a pair of tubes connected in push-pull relationship, means for supplying alternating current for energizing said amplifier, said alternating current energizing said amplifier having a frequency the same as that supplied to said synchro-tie generator, a normally balanced plate circuit for the tubes of said amplifier, circuit means connecting said plate circuit to said field system to control said regulating generator, and means for controlling said tubes depending upon the electrical output of said synchro-tie transformer.

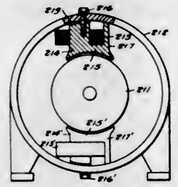
2,498,273
TRANSIT VERTICAL CIRCLE READING DEVICE
Conway D. Hillman, East Orange, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application March 11, 1948, Serial No. 14,221
9 Claims. (Cl. 88—1)

1. In an optical instrument, a member having arcuate graduations in a vertical plane said graduations having their center on a horizontal axis of said optical instrument, means carrying an index mark, a first optical system generally in line with and having conjugate foci at the horizontal axis in the plane of said arcuate graduations and at said index mark, and a second optical system mounted to move about said axis concentrically



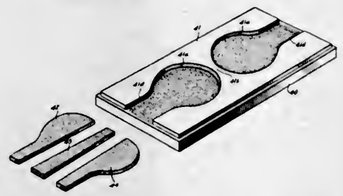
with said graduations forming an image of said graduations at the horizontal axis in the plane of said arcuate graduations, said first and second optical systems cooperating to image some of the arcuate graduations against said index mark.

2,498,274
ROTARY ELECTRIC MACHINE
Joe G. Ivy, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 29, 1943, Serial No. 496,596. Divided and this application April 27, 1944, Serial No. 532,975
4 Claims. (Cl. 322—50)



1. An electric generator comprising an armature, a stator frame equipped with magnetic field a shunt portion in magnetic parallel connection pole structures each having a main portion and with each other, field windings inductively associated only with said respective main portions to induce a magnetic flux therein, said shunt portions being rated for saturation at a lower excitation of said respective winding than said respective main portions and arranged to bypass when unsaturated the major part of said flux relative to said armature, each of said pole structures having a pole shoe portion integral with said respective main and shunt portions and forming a continuous pole surface in proximity to said armature, each of said shunt portions being directly connected in magnetic respect between the appertaining pole shoe portion and said frame, and a substantially non-magnetic gap element disposed between said frame and each of said pole shoe portions in series with the appertaining main pole portion and in parallel relation to the appertaining shunt portion.

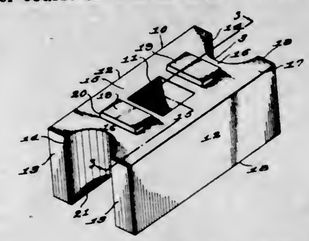
2,498,275
METHOD OF PRODUCING PROPELLER CONSTRUCTIONS
Wallace C. Johnson, Kennett Square, Pa.
Application September 25, 1945, Serial No. 618,441
3 Claims. (Cl. 29—156.8)



1. The method of producing a propeller construction which consists in preparing a filler plate with an opening analogous to the foreshortened planform of a propeller blade, the edge of said opening being grooved, preparing a multi-part chamfered edge flat mandrel having planform similar to but smaller than the filler plate opening the mandrel being thinner than said filler plate and being coated with a refractory parting compound, assembling said multi-part mandrel in said filler plate opening with the chamfered edges thereof engaging the grooves in the edge of the filler plate opening, embracing said filler plate and mandrel between two flat plates and securing said plates to form a block structure, heating said block structure and longitudinally rolling it to weld said flat plates to said filler plates and to extend the structure lengthwise without substantially changing its width and with concurrent thinning of all elements of the structure in proportion to the thinning of the structure as a whole whereby said filler plate opening and mandrel extend lengthwise to a planform corresponding to that of a propeller blade, transferring, after rolling the structure, the outline of said mandrel to an external surface of the structure, trimming the structure to a planform corresponding to said transferred mandrel outline, expanding the central parts of the outer plates of said structure away from one another by the application of spreading pressure internally of said metal plates, machining the exterior surfaces of said plate to a desired profile, withdrawing the parts of said multi-part mandrel from the structure to leave a hollow blade construction and in then expanding said blade construction to propeller blade form by the application of pressure to the interior surfaces thereof.

2,498,276
BUILDING BLOCK
James P. Kany, San Diego, Calif.
Application March 27, 1946, Serial No. 657,489
2 Claims. (Cl. 72—30)

1. A building unit comprising spaced parallel side walls, spaced webs joining the side walls adjacent their ends, the top edges of the side walls and the top faces of the webs lying in a common plane, a central frusto-pyramidal pad carried by the top of each web and projecting upwardly from its respective web beyond the common plane, said pads being of lesser width than the webs, each side wall having a longitudinal series of spaced parallel relatively deep pockets entering its bottom edge and the bottom faces of the webs being arched to form cavities in which the frusto-pyramidal pads of a lower course of units is adapted to be received



and each web having a tapered pocket entering axially thereinto through its arched bottom.

2,498,277
CAMERA SHUTTER AND SYNCHRONIZING SWITCH
Morris Kaplowitz, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp., a corporation of New York
Application May 21, 1946, Serial No. 671,366
17 Claims. (Cl. 95—11.5)

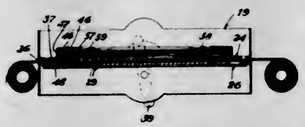


1. In a synchronizing arrangement for cameras, the combination with a shutter casing having an exposure opening therein and an electric circuit for actuating an electrical device, of a movable shutter having two parts normally in a rest position and one part adapted to cooperate with the other to cover and to uncover said exposure opening and including two movable elements each operable by a part, and switch means for said circuit disposed within said shutter casing and including two contacts separated from said shutter elements and parts while the latter are in rest position and arranged, after the shutter parts have been moved from their rest positions, first each to be engaged by an element and moved in one direction to be set for release and thereafter one contact to be released by its element to interengage the other contact substantially at the instant of exposure by said one part for synchronizing the actuation of the electrical device with the uncovering of said exposure opening.

2,498,278
HOLDER FOR LIGHT-CONTROL DEVICES
Morris Kaplowitz, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp., a corporation of New York
Application July 23, 1947, Serial No. 762,947
4 Claims. (Cl. 88—24)

1. The combination with a carrier of a transparent picture, said carrier disposed substantially horizontally in an upright enlarger for positioning therein the transparent picture and including an upper surface having an aperture there-

in to permit the passage of light rays to the picture and having a slot adjacent said aperture; of a holder for light-control devices arranged to be detachably mounted on said upper surface for optically aligning said devices with said picture; said holder comprising in combination two apertured plates adapted to hold therebetween light control devices, each plate having an aperture to permit a portion of each device to be



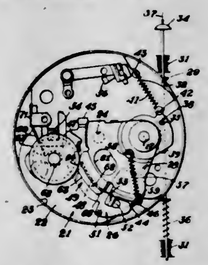
exposed for controlling light rays on their path to said picture, and a projecting off-set lip secured to an outer edge of said holder adapted to be inserted in said slot and to extend for a portion below said upper surface and substantially parallel therewith to position said outer edge with relation to said upper surface, the weight of said holder being sufficient to keep the same adjacent said upper surface and to restrain disengagement of said lip from said slot.

2,498,279

PHOTOGRAPHIC SHUTTERS HAVING MOVABLE BLADE AND RETARDING MEANS

Morris Kaplowitz, Brooklyn, N. Y., assignor to Federal Manufacturing & Engineering Corp., a corporation of New York

Application September 24, 1947, Serial No. 775,894
6 Claims. (Cl. 95—60)



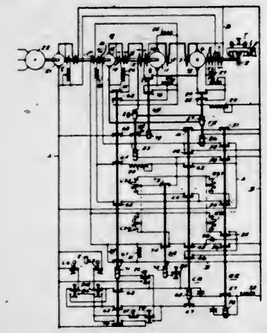
1. In a photographic shutter, the combination with a support and a shutter mechanism mounted on said support and including a movable shutter blade and power means for moving said blade to uncover and to cover an exposure aperture to make an exposure, of a retarding mechanism adapted to control the speed of movement of said blade comprising a weight disposed adjacent said shutter mechanism and being substantially freely turnable and also movable in opposite directions, a weight carrier mounted on said support and having a portion for supporting said weight turnably and said portion being movable therewith in said opposite directions, means associated with said blade for engaging during a predetermined portion of the blade movement a surface of said weight to move the weight in one direction, resilient means operable to urge the weight in the opposite direction to generate friction between said weight surface and said engaging means, during interengagement, sufficient to turn said weight, whereby the momentum of inertia thereof will be temporarily coupled to that of said blade.

2,498,280

ADJUSTABLE-VOLTAGE DRIVE FOR REVERSIBLE OPERATION

George E. King, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 19, 1948, Serial No. 33,937
14 Claims. (Cl. 318—154)



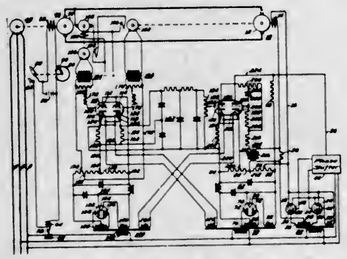
1. In a motor control system, the combination of a direct-current motor and a generator having an armature circuit in common, said generator having field control means which comprise a pattern field circuit and pilot field circuit differentially related to each other, a direct-current source with voltage adjusting means connected to said pattern field circuit for providing said pattern field circuit with adjusted pattern voltage in accordance with a desired motor speed, a condition-responsive voltage source connected with said motor and connected with said pilot field circuit for providing said pilot field circuit with variable pilot voltage in dependence upon an operating condition of the motor, and voltage adjusting means disposed in said pilot circuit and ganged together with said first-mentioned voltage adjusting means to increase said pilot voltage when said pattern voltage is decreased.

2,498,281

SPEED REGULATING SYSTEM

Joseph F. Kovalsky, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 30, 1947, Serial No. 783,098
7 Claims. (Cl. 318—356)



1. In a system for regulating the speed of a motor having armature windings and a field winding, in combination, means disposed for operation to control the field excitation of the motor, a generator disposed for operation to supply the armature windings of the motor, means

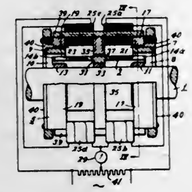
disposed to be operated when energized, an actuating circuit for said operable means, the actuating circuit being disposed to be established when predetermined field excitation of the generator is obtained, a pair of vacuum valve means disposed for operation only after said operable means is energized, a source of voltage constituting a predetermined reference voltage, and another source of voltage constituting a measure of the speed of the motor, one of the pair of valve means being responsive to said sources of voltage to provide a control voltage that is a measure of unbalance between said sources, the other of the pair of valve means being connected to be responsive to said control voltage to modify the operation of the control means and thereby modify the field excitation of the motor.

2,498,282

TORQUE MEASURING DEVICE FOR SHAFTS

Bernard F. Langer, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application September 15, 1942, Serial No. 458,378. Divided and this application May 15, 1946, Serial No. 669,807
7 Claims. (Cl. 73—136)



1. Apparatus for indicating the torque of a shaft comprising, in combination, stationary electrical coil means, magnetic flux paths associated with said electrical coil means, means for producing an alternating magnetic flux in said magnetic flux paths, means included in each of said magnetic flux paths for varying the reluctances of said flux paths in response to the torque characteristics of said shaft for changing the value of said alternating magnetic flux to thus induce voltages in said stationary electric coil means indicative of the torque of said shaft.

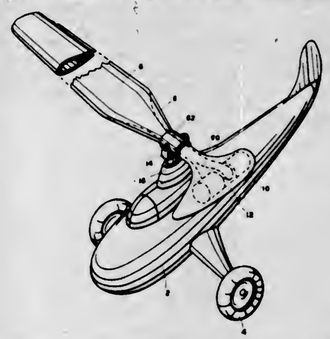
2,498,283

DRIVE FOR HELICOPTERS

John G. Lee, Farmington, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application January 30, 1945, Serial No. 575,343
6 Claims. (Cl. 170—135.4)

1. An aircraft rotor including a blade, in combination with counterbalancing means for said blade including a generator supplying gas under pressure, said blade having a nozzle extending longitudinally of the blade adjacent its trailing edge through which the gas is discharged as a propulsive jet, means in the form of a vane extending from and pivotally supported along one longitudinal edge of the nozzle for controlling the angle of discharge of the gas from the nozzle



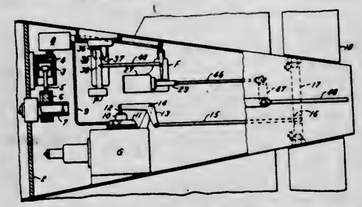
and means for moving said vane about its pivotal axis.

2,498,284

STEERING CONTROL WITH PNEUMATIC PICKUP

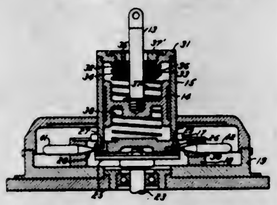
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 22, 1946, Serial No. 663,805
4 Claims. (Cl. 114—25)



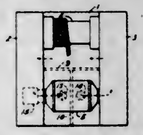
1. In apparatus for controlling the direction of movement of a conveyance moving through a fluid medium, in combination, means for producing a control effect as a function of the deviation of the movement of the conveyance from a desired path of movement, a source of fluid pressure, a pivotally mounted jet pipe having a nozzle disposed to move as a function of the control effect, said jet pipe being connected to said source of fluid pressure, a cylinder, a piston in the cylinder having a piston rod projecting from one end of the cylinder, said rod being provided with a channel opening into the forward cylinder head and ending in a radial opening nearer the aft end of the rod and with a second channel opening into the aft cylinder head and ending in a radial opening directly adjacent the first radial opening but forward of the first radial opening, said radial openings being normally aligned with the nozzle of the jet pipe whereby the velocity head of the fluid issuing from the nozzle is transformed into equal static pressure-heads in each cylinder head when the openings and nozzle are in true alignment but becomes greater in the forward cylinder head and less in the aft cylinder head when the nozzle moves aft and becomes greater in the aft cylinder head and less in the forward cylinder head when the nozzle moves forward whereby the piston is caused to move with the movements of the nozzle, rudders for said conveyance, and means for connecting the piston rod to the rudders to thus cause rudder movements as a function of said control effect.

2,498,285
STEERING CONTROL WITH PNEUMATIC PICKUP
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 22, 1946, Serial No. 663,806
7 Claims. (Cl. 114—23)



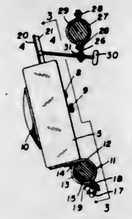
1. In the control for the steering rudders of a course setting member, and a torpedo having a control gyro for indicating, by the angular position of the upper trunnion of the outer gimbal ring with reference to the torpedo, the course of the torpedo with reference to the course set by the course setting member, in combination, a cylinder disposed axially of the trunnions of the outer gimbal ring and having upper and lower cylinder heads, a pair of nozzles disposed diametrically opposite the lower cylinder head, conduit means in communication with the nozzles, said nozzles, cylinder and conduit means being mounted in fixed relation to the course setting member to thus move with said course setting member, said cylinder being provided with openings in alignment with the nozzles with one of the openings being in communication with the lower cylinder head and the other being in communication with the upper cylinder head, said conduits being connected to a suitable source of fluid pressure to cause fluid at considerable velocity to issue from the nozzles, baffle means coupled to the trunnion of the outer gimbal ring adjacent the cylinder, said baffle means being disposed to move in the spacing between the openings in the cylinder and the nozzles to cause either equal pressures in the two cylinder heads or different pressures in the cylinder heads depending on whether the torpedo is "on course" or not on course, a piston in said cylinder disposed to move with changes in pressure in the cylinder heads, and connecting means between the piston and the steering rudders of the torpedo for causing operation of the rudders to cause "on course" operation of the torpedo.

2,498,286
ELECTRIC WINCH
Kurt Mahnke, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 24, 1945, Serial No. 579,648
2 Claims. (Cl. 254—150)



1. A winch comprising a frame and cabinet structure of substantially U-shaped cross section having a hollow base portion and two hollow side portions extending in parallel to each other upwardly from said base portion, a winch drum and an appertaining electric motor disposed exteriorly on top of said base portion between said side portions, said base portion having a compartment underneath said drum in free communication with said two side portions and having another compartment underneath said motor also in communication with said wall portions but provided with a partition, said motor having its interior in communication with said latter compartment at two places on opposite sides of said partition so that a substantially closed path for air circulation extends through said motor and said two compartments and said two side portions, and a blower arranged to force air through said motor so that surfaces of said structure act as radiating surfaces for dissipating heat from said motor.

2,498,287
LAMP ATTACHMENT FOR AMBULANCE COTS
Paul W. McLellan, Frederick, Okla.
Application March 10, 1947, Serial No. 733,581
2 Claims. (Cl. 240—52)



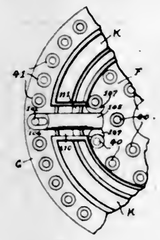
1. An illuminating attachment for portable cots and comprising a self-contained electrically energized lamp unit, upper and lower clamps connecting the unit to a part of a cot, one of said clamps being pivoted to the cot, an adjusting feed screw carried by the other of the clamps and means slidably connecting the feed screw to the unit and operable to tilt the unit to vertically adjust the beam of light projected by the unit.

2,498,288
AUTOMATIC EJECTOR FOR KEYS
August Moebes and Albert Briggs, Sr., Vallejo, Calif.
Application April 6, 1948, Serial No. 19,194
1 Claim. (Cl. 70—414)



The combination with a key having a shank adapted to be inserted into a lock and having a handle with an opening therein; of a coil spring encircling the shank and having a coil designed to contact at two points with the periphery of the key handle; the spring having a hook connected to said coil by a loop, the hook being disposed out of registry with the key handle opening when the coil contacts the periphery of the key handle; the loop being tensioned when the hook is aligned with the opening; a key support extending through said key handle opening and engaged by said hook thereby anchoring the spring to the key and providing a third contact point between spring and key.

2,498,289
DOUBLE RING BURNER WITH COMBINED AERATION AND COLLECTION TRAY
Henry Moecker, Jr., William H. Frick, Edward M. Meacham, and Harold K. White, Cleveland, Ohio, assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application November 4, 1944, Serial No. 561,926
3 Claims. (Cl. 158—115)



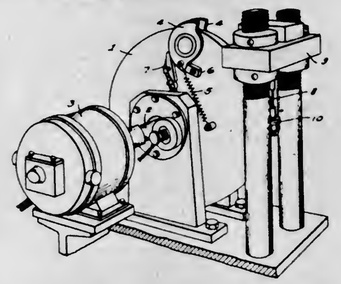
1. For use in a gaseous fuel burning range or the like having a pair of concentrically arranged spaced ring burners, an open ended flash tube extending from one burner to the other to provide automatic ignition of one burner from the other, a combined aeration and collection tray disposed in and substantially filling the space between said burners and having side walls closely adjacent the side walls of the burners and extending a substantial distance above the tops of said burners, said aeration tray being of trough-like form in cross section and extending substantially entirely throughout the length of the space between the burners but having closed ends in spaced relationship, a bridge interconnecting the closed ends of the tray and having a top disposed in a plane a substantial distance below the tops of the side walls of the tray, and the flash tube extending across the top of the tray bridge.

2,498,290
ABDOMINAL SUPPORT
Harry Morrison, Pittsburgh, Pa.
Application September 4, 1947, Serial No. 772,110
8 Claims. (Cl. 2—312)



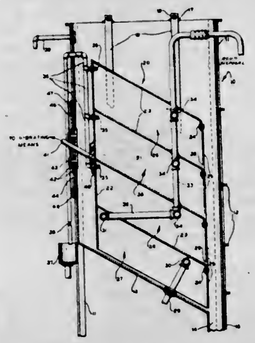
1. A garment suspending belt and abdominal support comprising a belt adapted to cover the body areas to be supported, adjustable fastening means on said belt for tightening said belt around the body of the wearer, pockets suitably spaced around said belt, hook means having a resilient leg portion thereon adapted to be removably inserted into said pockets, said hook means projecting outwardly from the belt away from the body of the wearer, a flexible strip attached to a garment to be suspended, latch means on said strip suitably spaced thereon to correspond with the pockets, said latch means adapted to engage removably the hook means in the pockets of said belt whereby said outer garment is suspended.

2,498,291
HIGH VELOCITY TENSILE MACHINERY
Arpad Nadai, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1947, Serial No. 751,649
9 Claims. (Cl. 73—12)



1. In apparatus for applying an impact force to a test specimen, a force receiving element connected directly to said specimen, a force applying element movable at a high velocity relative to said force receiving element to subject said specimen to a rapidly applied impact force, and a shock absorbing device comprising a resilient medium, carried by one of said elements, which is compressible by the action of said force applying element to cushion the initial application of force to said specimen.

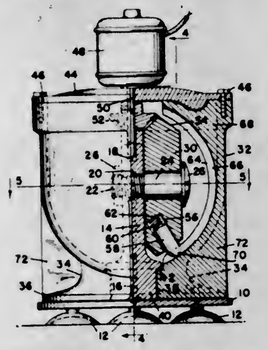
2,498,292
CLARIFIER
John J. Naugle, New York, N. Y.
Application July 3, 1945, Serial No. 603,055
6 Claims. (Cl. 210—51)



1. A clarifier comprising: a tank having a liquid inlet and a sludge outlet; an assembly, including spaced side walls connected by front, rear and bottom walls defining at least one settling compartment, removably suspended within said tank; means for withdrawing clarified liquid from the upper level of each such compartment and conveying the same to the outside of said tank; the bottom wall of each such compartment being sloped to guide any sludge settling therein out of the same in the direction of the sludge outlet of said tank; means, located externally of said tank, for vibrating said assembly; means, disposed in a plane parallel to that of each such sloping bottom wall, for coupling said assembly and said

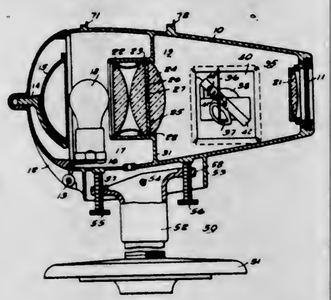
vibrating means whereby the vibrations imparted from the latter to the former are in a plane parallel to that of each such sloping bottom wall; and means in one of the walls of said tank for supporting said coupling means and admitting the same to the interior of said tank.

2,498,293
OSCILLATING DRIVE MECHANISM
Nathan Waller Oakes, Cleveland, Ohio, assignor of five per cent to Horace W. Peters, Cleveland, Ohio, and five per cent to Patrick H. Hume, Washington, D. C.
Application August 29, 1947. Serial No. 771,315
10 Claims. (Cl. 74—70)



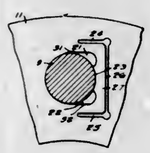
1. A portable agitator comprising a base, a post vertically erected on said base, a gear journalled with its revolutionary axis horizontally disposed upon said post, a casing pivotally disposed around said post, a vertically extending arcuate cam carried upon the interior of said casing so as to confront said gear, a crank-pin carried by said gear interengaged with said cam, and means for revolving said gear to oscillate the casing.

2,498,294
LIGHT PROJECTOR
Willis A. Pennow, Cleveland, and Robert T. Burns, Lakewood, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1945, Serial No. 632,045
9 Claims. (Cl. 177—352)



6. A light projector comprising, a tubular casing, a light source mounted therein at one end, a reflector disposed behind the light source to project a beam of light out of the casing, an objective lens mounted at the opposite end of the casing, a lens system including a plurality of collector lenses and an image lens positioned between a pair of the collector lenses mounted in the casing, and a light interrupter including a motor-operated shutter interposed between the collector lenses and the objective lens for producing a continuously flashing light beam having a pattern as determined by the image lens.

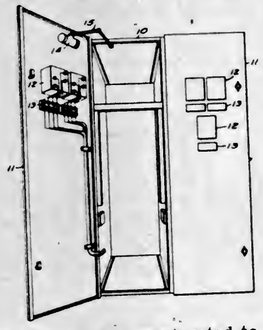
2,498,295
REDUCTION GEAR DRIVE
Rudolph E. Peterson and John Boyd, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1947, Serial No. 774,932
3 Claims. (Cl. 74—801)



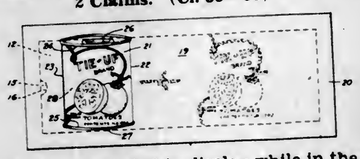
1. In a planetary transmission, a pair of rotatable members, and planetary gearing for transmitting motion between said members comprising a sun gear and a planet cage carrying a plurality of planet pinions in meshing engagement with said gear, and an independent elastic beam support mounting each of said pinions on said cage, each elastic beam support comprising a pinion supporting pin having its ends mounted in said planet cage, said cage having cut-out portions forming a beam of generally E-shaped configuration in which the extremities of the outer arms of the E-shaped beam originate at points on diametrically opposite sides of said pin, the space therebetween being of a dimension greater than the diameter of said pin to afford clearance for said pin, and the extremity of the central arm of said E-shaped beam is of arcuate configuration and disposed in abutting relation with said pin, said assembly providing an elastic beam for said supporting members which deflects an amount corresponding to the load carried by the pinions on said supporting members, the elastic mounting provided by said cut-out portions being effective to secure a substantially equal division of the total load amongst said several pinions.

2,498,296
HINGED-PANEL SWITCHBOARD
Mark A. Pringle, Teaneck, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1947, Serial No. 758,202
7 Claims. (Cl. 175—369)

1. In a switchboard structure, in combination, a housing, a panel hinged to the housing, a relay mounted on the panel, and restraining means connected to the panel and the housing for controlling the rotary movement of the panel to prevent closing the contact members of the relay by accelerating the panel too rapidly, said restraining means being constructed to permit the panel to remain in any desired position.

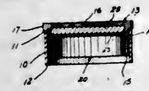


2,498,297
DISPLAY APPARATUS
Francis Ralph Rambo and Michael Angelo, San Jose, Calif., assignors to Muirson Label Co., Inc., San José, Calif., a corporation of California
Application December 26, 1945, Serial No. 637,244
2 Claims. (Cl. 35—53)



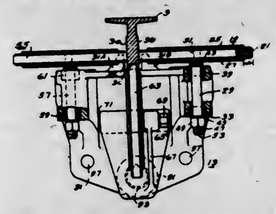
1. A device adapted to display while in the flat continuously selected portions of a whole label so as to permit viewing of the label as it would appear applied to a cylindrical container, comprising means for supporting a label in a substantially flat position, a flexible opaque member overlaying said means and said label, said member having one of its ends near and parallel to an end of said label secured to said supporting means and having its other end unsecured, said member also having a cut-out near its unsecured end, said cut-out being of a size about equal to the height and diameter of the container for which said label is intended, whereby in viewing said label through said cut-out, said flexible member may be buckled as said cut-out is moved in contact with said label toward its secured end.

2,498,298
COIN TRICK APPARATUS
Frank Renz, Philadelphia, Pa.
Application October 17, 1947, Serial No. 780,511
3 Claims. (Cl. 272—8)



2. Apparatus for performing a coin trick comprising a cylindrical ring, a shell having one end closed and having the other end open, said shell being provided with an external flange adjacent the closed end, the shell being arranged so that its open end extends into said ring with said flange seated on the adjacent end of said ring, a second shell having one end closed and having the other end open, said second shell being of a diameter less than the diameter of said first named shell, the second named shell being arranged so that its closed end is positioned within said first named shell and spaced from the closed end of the first named shell to thereby provide a space for the interposition therein of the coin of a given denomination, the outer surface of said second named shell being formed to simulate a stack of coins of said denomination.

2,498,299
ROLLER GUIDE SHOE FOR ELEVATORS
Lennius R. Rissler, Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1948, Serial No. 28,542
21 Claims. (Cl. 187—95)



14. An elevator system comprising a guide rail having a face surface and a pair of side surfaces perpendicular to the face surface, an elevator car to be guided along said rail, and an elevator guide shoe comprising a pair of side rollers having elastomer rims respectively engaging said side surfaces for tracking along said surfaces, a separate shaft mounting each of said rollers for rotation about an axis parallel to the shaft axis and to the side surfaces, a face roller having an elastomer rim engaging said face surface for tracking along the face surface, a shaft mounting the face roller for rotation about an axis parallel to the axis of the last-named shaft and the face surface, a separate pair of axially spaced elastomer sound-insulating bushings surrounding each of the shafts, a base structure having a separate portion substantially surrounding each of the bushings, and compressors for compressing the bushings between the base structure and the associated shafts to secure the shafts resiliently to the base structure.

2,498,300
PRODUCTION OF LYSINE
Norman D. Scott, Sanborn, and Arthur O. Rogers, Lewiston, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 26, 1948, Serial No. 62,246
27 Claims. (Cl. 260—534)

1. The process for the production of lysine which comprises reacting in aqueous solution at elevated temperatures delta-hydroxyvaleraldehyde, a compound yielding ammonium ions, a compound yielding carbonate ions and a compound yielding cyanide ions to form 5-(delta-hydroxybutyl) hydantoin; reacting said 5-(delta-hydroxybutyl) hydantoin with a material from the group consisting of hydrogen chloride and hydrogen bromide at elevated temperatures to produce a compound from the group consisting of 5-(delta-chlorobutyl) hydantoin and 5-(delta-

bromobutyl) hydantoin; reacting a compound from the group consisting of 5-(delta-chlorobutyl) hydantoin and 5-(delta-bromobutyl) hydantoin with a base from the group consisting of alkali metal, alkaline earth metal and quaternary ammonium bases to form a salt of said hydantoin, condensing said salt to form a polymer and hydrolyzing the resulting polymer.

2,498,301

TREATMENT OF DRILLING FLUIDS

Edward Samuel Self, Bakersfield, Calif., assignor to Oil Well Chemical & Materials Company, Los Angeles, Calif., a corporation of California

No Drawing. Application April 7, 1948, Serial No. 19,632

7 Claims. (Cl. 252—8.5)

1. The process of increasing the resistance of a drilling fluid to the deterioration caused by drilling through beds of gypsum comprising adding from ½ to 3 lbs. per barrel of sodium carboxyl methyl cellulose and from 5 to 20 lbs. per barrel of sodium resinate to said drilling fluid.

2,498,302

PREVENTION AND DESTRUCTION OF WEEDS

Wilfred Archibald Sexton, Manchester, and Roland Edgar Slade and William Gladstone Templeman, Bracknell, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 27, 1945, Serial No. 613,021. In Great Britain May 5, 1941

Section 1, Public Law 690, August 8, 1946

Patent expires May 5, 1961

5 Claims. (Cl. 167—45)

2. A composition suitable for the destruction and prevention of weeds containing (1) an active herbicidal compound, in amount sufficient to exert herbicidal action, from the group consisting of (*a*) benzoyl-o-benzoic acid, (*b*) 4'-chloro-2-benzoyl benzoic acid, (c) 4'-methyl-2-benzoyl benzoic acid, and (*d*) the water-soluble salts of said acids and (2) a non-phytocidal, dry, pulverulent solid which does not decrease the fertility of soil.

2,498,303

MOTOR CONTROL SYSTEM

Norman Harry Shaw, Stafford, England, assignor to The English Electric Company Limited, London, England, a company of England

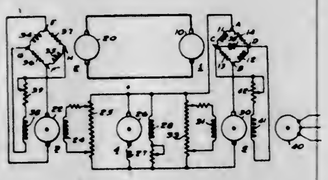
Application April 29, 1947, Serial No. 744,713

In Great Britain July 11, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires July 11, 1965

12 Claims. (Cl. 318—535)



8. A system of control for a direct current motor having a field winding comprised of at least two equal sections and having an armature winding comprising, in combination, means for connecting a supply of direct current to said armature winding, a bridge circuit including said equal sections of said field winding as opposite legs and including resistors equal in resistance to the resistance of said equal sections of said field winding as the two remaining opposite legs, a rectifier connected across a pair of corners of said bridge circuit so as to conduct current when the currents of said equal sections of said field winding are increasing, a main exciter, an auxiliary exciter having a separately excited field winding, circuit means connecting said main and auxiliary exciters in series across the remaining pair of corners of said bridge circuit, and circuit means connecting said separately excited field winding across said rectifier in a sense to produce a bucking E. M. F. in said auxiliary exciter when the currents in said equal sections of the field winding for said motor are decreasing.

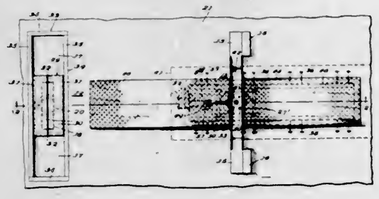
2,498,304

AUTOMOBILE HOIST

Herman C. Sommer, Lynwood, Calif.

Application April 8, 1947, Serial No. 740,192

7 Claims. (Cl. 254—89)



1. A drive-on automobile hoist comprising a rear hoisting means, a front hoisting means mounted for forward and rearward movement with respect to said rear hoisting means and normally occupying its rearmost position, said front hoisting means including front wheel supports having chocks to limit forward rolling of the front wheels of an automobile onto said supports; whereby, when the front wheels of an automobile are forwardly driven onto said wheel supports against said chocks, further forward driving of the automobile will cause it to forwardly push said front hoisting means; rear-wheel-engaging means for determining when the rear of the automobile has arrived at proper position to be engaged by said rear hoisting means; and self-acting returning means for said front hoisting means, said self-acting returning means being connected with said front hoisting means and being constructed and arranged to automatically return the latter to said rearmost position upon driving of the automobile from the hoist; whereby the hoist will be automatically re-set for the next automobile.

2,498,305

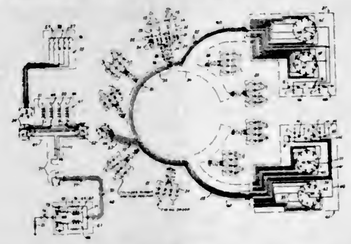
IGNITION SYSTEM

Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware

Application May 6, 1944, Serial No. 534,475

12 Claims. (Cl. 123—148)

2. In combination with an internal combustion engine having a plurality of banks of cylinders, each bank having a plurality of radially disposed cylinders, an ignition system comprising a pair of spark plugs in each of said cylinders, each pair of spark plugs consisting of a front plug and a rear plug, a housing enclosing four ignition coils mounted near each pair of adjacent cylinders of the front bank, means connecting the secondary windings of said coils to the pairs of spark plugs in a cylinder of the front bank and a cylinder of the rear bank adjacent thereto, two ignition distributors, means connecting the primary windings of said coils to the output terminals of said distributors, the coils connected with the front spark plugs being connected to the terminals of one distributor and the coils



connected with the rear spark plugs being connected to the terminals of the other distributor, each of said distributors having two input terminals, movable means for successively connecting one of said input terminals in each of said distributors with the coils connected to the spark plugs of one bank of cylinders and the other input terminals to the coils connected with spark plugs in the other bank of cylinders, current generating means for periodically supplying electrical energy simultaneously to an input terminal of each distributor, and other current generating means for supplying electrical energy simultaneously to the other input terminals of said distributors.

2,498,306

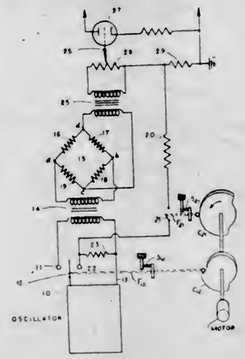
CALIBRATION OF TELEMETERING EQUIPMENT

Cecil K. Stedman, Harry J. Price, and Robert M. Wisner, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware

Application December 3, 1946, Serial No. 713,644

2 Claims. (Cl. 177—380)

1. A telemetering circuit comprising an oscillator, telemetering transmitter electronic amplifier means having an input and operable to amplify the output of said oscillator, and selective transfer circuit means interposed between said oscillator and said amplifier and operable to transfer the output of said oscillator to the input of said amplifier means, said selective transfer circuit means including alternate parallel branches, one such branch comprising modulator means normally connected between the output of said oscillator and the input of said amplifier means to present a normal load to said oscillator and to transfer and modulate the oscillator output for application to said amplifier means, and the other branch comprising an alternative transfer circuit including dummy load resistance calibration means, alternatively connected between the output of said oscillator and the input of said amplifier means to present a load to said oscillator substantially matching said normal load and to transfer the output of said oscillator to said amplifier means as a calibration signal, and switching means having effectively two alternate switching positions for selecting either of the respective alternate transfer circuit branches, and a neutral third position in which neither of such branches is interconnected operatively between the oscillator and amplifier means, and switch-actuating means operable to actuate said switch means to change its position from one of its three positions to another and then to the third intermittently and in a selected order, and each for a predetermined period of time, to transmit a modulation signal, a calibration signal and a zero-reference signal in the respective period.



2,498,307

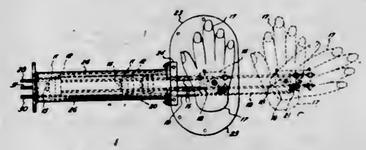
SIGNALING APPARATUS FOR AUTOMOBILES

Matthew Nolan Stollery, Paddington, near Sydney, New South Wales, Australia

Application March 12, 1947, Serial No. 734,199

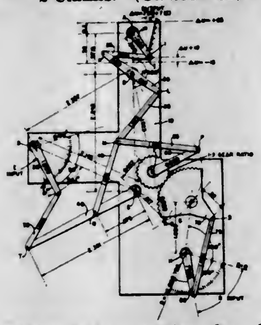
In Australia March 18, 1946

1 Claim. (Cl. 116—39)



Improved signalling apparatus for automobiles comprising, a cylinder mounted in a tubular case adapted to be secured to the body of the vehicle, a lug on said cylinder, separated plates secured to flanges at one end of said tubular case, a plunger in said cylinder and affixed to a pair of rods extending from the latter, a bracket carried by the rods an indicator in the form of a hand pivoted to said bracket and normally disposed between said plates, spring means normally retaining said indicator in a vertical position, a tie rod connected at one end to said indicator and slidable in said lug on said cylinder, said tie rod being bent at its other end to engage said lug and tilt said indicator into a horizontal position against the tension of the spring means, nipples on said cylinder through which suction can be exerted to move said plunger to one of three positions at which said indicator will be withdrawn or communicate a "Stop" or "Turn" signal, and multi-way valve connected to said nipples and in communication with the intake manifold of the automobile.

2,498,308
MECHANICAL COMPUTER
Antonin Svoboda, Cambridge, Mass.
Application April 1, 1946, Serial No. 658,596
2 Claims. (Cl. 235—61)



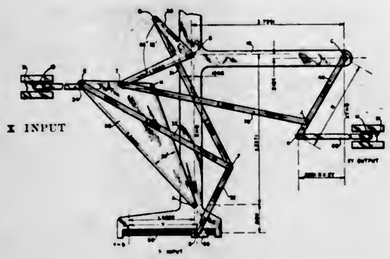
1. A mechanical computer for determining variation of the speed of a shell at any point along the path of travel thereof from the average shell speed, said computer comprising, a support, a first swinging member pivotally attached to said support, said first swinging member being adapted to swing through an arc of 90° for introducing gun elevation settings into the computer, a second swinging member pivotally attached to said support and adapted to swing through a uniformly graduated arc for introducing range settings into the computer, a third swinging member pivotally attached to said support, a uniformly calibrated scale on said support in juxtaposition with said third swinging member for indicating variation of shell speed from the average shell speed, fourth, fifth, sixth and seventh swinging members pivotally attached to said support, said aforementioned swinging members being positioned in substantially coplanar relation with each other, a first link operatively connecting said third and fourth swinging members, second and third links operatively connecting said fourth and sixth swinging members, a fourth link operatively connecting the junction point of said second and third links and said fifth swinging member, a pair of gears operatively connecting said fifth and seventh swinging members, said gears being of such a ratio that the displacement of said fifth swinging member is twice the displacement of said seventh swinging member, a fifth link connecting said second and seventh swinging members, and a sixth link connecting said first and sixth swinging members, said links and said swinging members having the following relative dimensions and orientation where the basis of measurement is taken as unity (1)

Length of said first swinging member	1.000
Length of said second swinging member	.7925
Length of said third swinging member	.589
Length of said fourth swinging member from the pivot point thereof to the point of connection thereto of said first link	.689
Length of said fourth swinging member from the pivot point thereof to the point of connection thereto of said second link	.610
Length of said fifth swinging member	.959
Length of said sixth swinging member	2.361
Length of said seventh swinging member	.520
Length of said first link	.8815
Length of said second link	1.223
Length of said third link	1.426
Length of said fourth link	1.184
Length of said fifth link	1.465
Length of said sixth link	1.256
Distance of the pivot point of said third swinging member from the pivot point of said fourth swinging member	.9715 directly above
Distance of the pivot point of said sixth swinging member from the pivot point of said fourth swinging member	2.248 substantially directly below
Radial distance of the pivot point of said first swinging member from the point of said fourth swinging member	2.357 downward to left
Radial distance of the pivot point of said first swinging member from the pivot point of said sixth swinging member	2.145 upward to left
Angle between the zero position of said first swinging member and a line joining the pivot points of said first and sixth swinging member	54.1°
Length of said sixth swinging member from the pivot point thereof to the point of connection thereto of said third link	.875
Radial distance of the pivot point of said fifth swinging member from the pivot poin! of said fourth swinging member	1.923 downward to right
Radial distance between the pivot points of said fifth and sixth swinging members	.467
Radial distance between the pivot points of said second and seventh swinging members	1.000

the aforementioned dimensions and orientation of said members and links providing that the component of displacement of said third swinging member across said scale is a function of the variation of the shell speed from the average shell speed as determined by the settings of said first and second swinging members.

2,498,309
MULTIPLYING LINKAGE
Antonin Svoboda, Cambridge, Mass.
Application April 1, 1946, Serial No. 658,597
2 Claims. (Cl. 235—61)

1. A mechanical computer for determining the product of two independent variables, one of which may be either positive or negative and the other which is positive in sign, said computer comprising a support, first, second, and third

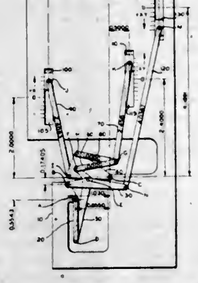


swinging members pivotally mounted on said support, first, second, and third slide members slidably mounted on said support, a first link operatively connecting said first slide member and said first swinging member, second and third links operatively connecting said second slides and said second swinging member, a fourth link operatively connecting said first swinging member and the junction point of said second and third links, a fifth link operatively connecting said second and third swinging members, and a sixth link operatively connecting said third slide member and said third swinging member, said links and said swinging members having the following relative orientation and dimensions where the basis of comparison is taken as unity (1)

Length of said first swinging member from the pivot point thereof to the point of connection of said fourth link	3.5000
Length of said second link	1.500
Length of said third link	3.500
Length of said fourth link	3.500
Length of said fifth link	4.500
Length of said second swinging member from the pivot point thereof to the point of connection of said third link	1.050
Length of said second swinging member from the pivot point thereof to the point of connection of said fifth link	1.500
Angle included between the lines drawn from the pivot point of said second swinging member and the points of connection thereto of said third and fifth links	66°32′
Angle included between lines drawn from the pivot point of said first swinging member and the points of connection thereto of said first and fourth links	20°
Distance from the pivoted mounting of said third swinging member to the point of connection thereto of said fifth link	1.700
Vertical distance between the pivot points of said first and second swinging members	3.2371
Horizontal distance between the pivot points of said first and second swinging members	.1508
Horizontal distance between the pivot points of said second and third swinging members	3.7991
Vertical distance between the pivot points of said second and third swinging members	.2124
Vertical distance between the pivoted connection of said second link to said second slide member and the pivot point of said first swinging member	.5130
Length of said third swinging member	R, where R>1.700

the pivotal mountings described above providing a displacement of said third slide member which is directly proportional to the product of the displacements of said first and second slide members, the proportion constant being .8831R.

2,498,310
MULTIPLYING LINKAGE
Antonin Svoboda, Cambridge, Mass.
Application April 1, 1946, Serial No. 658,598
2 Claims. (Cl. 235—61)



1. Apparatus for determining the product of two independent variables, each or both of which may be positive or negative, said apparatus comprising, a support, first, second and third swinging members pivotally mounted on said support in substantially coplanar relation with each other, first, second, and third slide members slidably mounted in slots in said support, said slots being calibrated with uniform scales to indicate positive and negative values at either side of a zero position, a first link operatively connecting said first slide member with said third swinging member, a second link operatively connecting said first and second swinging members, third and fourth links operatively connecting said second slide member and said second link, a fifth link operatively connecting said third swinging member and the junction point of said third and fourth links, and a sixth link operatively

connecting said third slide member and said second swinging member, said links and said swinging members having the following dimensions and orientation where the basis of comparison is taken as unity (1):

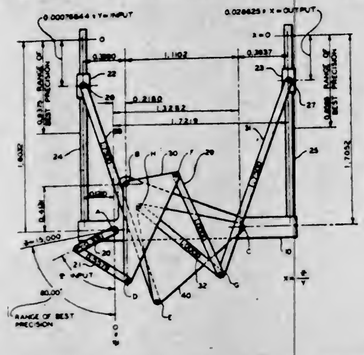
Length of said first swinging member	1.0267
Length of said second swinging member from the pivot point thereof to the point of connection of said sixth link thereto	1.4311
Length of said second swinging member from the pivot point thereof to the point of connection of said second link thereto	.5040
Angle included between lines drawn from the pivot point of said second swinging member and the points of connection of said second and sixth links thereto	13°51′38″
Length of said third swinging member from the pivot point thereof to the point of connection of said first link	1.000
Length of said third swinging member from the pivot point thereof to the point of connection of said fifth link	1.000
Angle included between lines drawn from the pivot point of said third swinging member and the points of connection of said first and fifth links thereto	33°45′
Length of said first link	2.4083
Length of said second link from the point of connection of said first swinging member to the point of connection of said second swinging member thereto	1.5349
Length of said second link from the point of connection of said second swinging member to the point of connection of said third link thereto	.4008
Angle included between lines drawn from the point of connection of said second link to said second swinging member to the points of connection of said third link and said first swinging member thereto	123°12′22″
Length of said third link	1.000
Length of said fourth link	2.4515
Length of said fifth link	1.000
Length of said sixth link	4.0387
Horizontal distance of the pivot point of said first swinging member from the pivot point of said third swinging member	.8550 to left
Horizontal distance of the pivot point of said second swinging member from the pivot point of said third swinging member	1.0301 to left
Vertical distance of the pivot point of said first swinging member from the pivot point of said third swinging member	.5543 below
Vertical distance of the pivot point of said second swinging member from the pivot point of said third swinging member	.17405 below
Horizontal distance of the center line of said first slide member from the pivot point of said third swinging member	1.500 to left
Vertical distance of the zero position of said first slide member from the pivot point of said third swinging member	2.000 above
Horizontal distance of the center line of said second slide member from the pivot point of said third swinging member	0.5000 to right
Vertical distance of the zero position of said second slide member from the pivot point of said third swinging member	2.400 above
Horizontal distance of the center line of said third slide member from the pivot point of said third swinging member	1.2500 to right
Vertical distance of the zero position of said second slide member from the pivot point of said third swinging member	4.1891 above

the foregoing dimensions and orientation of members being such that the displacement of said third slide member is directly proportional to the product of the displacement of said first and second slide members.

2,498,311
MECHANICAL DIVIDER
Antonin Svoboda, Cambridge, Mass.
Application April 1, 1946, Serial No. 658,599
2 Claims. (Cl. 235—61)

1. A mechanical computer for determining the quotient of two independent variables comprising a support, first and second rods extending in coplanar relation from said support said first and second rods being uniformly calibrated from a zero position toward said support, a first slide block slidably mounted on said first rod, a second slide block slidably mounted on said second rod, an arm pivotally mounted on said support, a first

triangular swinging member pivotally mounted on said support, a second triangular swinging member pivotally mounted on said support, a first link operatively connecting said arm and one apex of said first triangular member, a second link operatively connecting said first slide block and one apex of said second triangular member, third and fourth links operatively connecting said



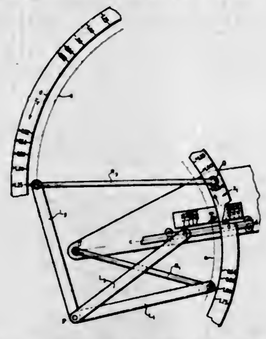
second slide block and a second apex of said first triangular member, and a fifth link operatively connecting the junction point of said third and fourth links and a second apex of said second triangular member, said arm, said links, and said swinging members having the following relative dimensions where the basis of measurement is taken as unity (1)

Length of said arm	.3311
Length of said first triangular swinging member from the pivot point thereof to one apex thereof	.8370
Length of said triangular swinging member from the pivot point thereof to the other apex thereof	.4500
Angle included between lines drawn from the pivot point of said triangular member to said apices	93.17°
Length of said second triangular member from the pivot point thereof to one apex thereof	1.000
Length of said second triangular member from the pivot point thereof to the second apex thereof	1.000
Angle included between lines drawn from said pivot point to said apices	49.19°
Length of said first link	.5579
Length of said second link	1.7500
Length of said third link	1.7500
Length of said fourth link	1.000
Length of said fifth link	1.000
Horizontal distance between said first and second rods	1.8429
Vertical distance from the pivot point of said arm to said zero position of said first rod	1.6032 above
Vertical distance from the pivot point of said arm to the pivot point of said first triangular swinging member	.4131 above
Horizontal distance from the pivot point of said arm to the center line of said first rod	.1210 to left
Horizontal distance from the pivot point of said arm to the pivot point of said first triangular swinging member	.2180 to right
Horizontal distance from the pivot point of said arm to the pivot point of said second triangular swinging member	1.3282 to right
Vertical distance from the pivot point of said arm to said zero position of said second rod	1.7052 above

The aforementioned dimensions and orientation being such that the displacement of said second slide block is proportional to the quotient of the displacements of said arm and said first slide block.

2,498,312
MULTIPLYING AND DIVIDING LINKAGE
Antonin Svoboda, Cambridge, Mass.
Application April 5, 1946, Serial No. 659,713
4 Claims. (Cl. 235—61)

1. A mechanism for use in a computing mechanism for determining the product of the independent variables expressed by the equation $x_3=x_1x_2$, comprising a support, first, second, and third links of substantially unit length pivotally connected at a common point, a first scale of circular configuration mounted on said support and calibrated to indicate positive and negative values of input variable x_1, said first scale having scale divisions which vary in geometric progression on either side of a zero point, a second scale of circular configuration calibrated to indicate positive and negative values of input variable x_2, said second scale having scale divisions which vary in geometric progression, a third scale mounted on said support and calibrated to indicate positive and negative values of x_3, the



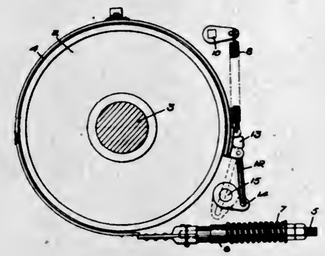
scale divisions of said third scale varying in geometric progression along a straight line, a first constraining member pivoted to said support for forcing the free end of said first link to move along said second scale, a second constraining member pivoted to said support for forcing the free end of said third link to move along said first scale, and a block slidably mounted for relative parallel motion with respect to said third scale, the free end of said second link being pivotally attached to said block and forced to move along said third scale thereby, the relative lengths of said first and second constraining members with respect to said unit length first, second and third links being 1.1310 and 1.000, respectively.

2,498,313
MECHANIC'S CREEPER
Robert V. Sweatt, Jr., Memphis, Tex.
Application April 19, 1946, Serial No. 663,352
2 Claims. (Cl. 280—61.5)



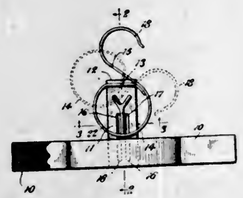
1. A creeper comprising a platform for supporting a mechanic in a prone position and having a head rest, wheels supporting said platform, an upwardly inclined extension on each of the two longer sides of said platform and secured thereto, hanger plates depending from each of said inclined extensions, drawer support means in each of said hanger plates and tool drawers slidably supported in said drawer support means and adapted to carry tools for use by said mechanic while lying prone on said creeper.

2,498,314
CONTROLLING MECHANISM FOR CENTRIFUGAL SEPARATORS
John E. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Hyde Park, Mass., a corporation of Massachusetts
Application April 3, 1946, Serial No. 659,239
7 Claims. (Cl. 192—2)



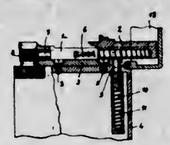
1. In a control mechanism for centrifugal separators, the combination with an electric motor for driving the basket shaft of the centrifugal and a brake for stopping the rotation of said shaft, of mechanism for locking said brake in its "off" position, means for applying said brake automatically upon the release of said locking mechanism, and apparatus operable to release said locking mechanism selectively by electrical control or manually, as desired.

2,498,315
CLAMPING DEVICE
John B. Thomson, Plandome, N. Y.
Application March 6, 1945, Serial No. 581,302
2 Claims. (Cl. 24—250)



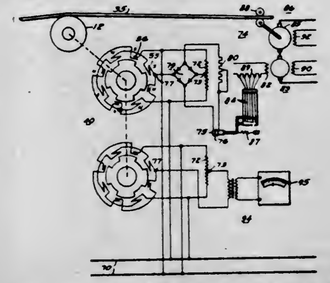
1. A clamping device comprising a pair of relatively long and narrow co-acting jaws, a pair of supporting arms therefor resiliently hinged together at one end and having their other ends secured respectively to the jaws near the central portions of the jaws and substantially perpendicular thereto, and means for controlling the opening and closing of the jaws, and characterized by this: that said means comprise a pair of resilient metal rings embracing the supporting arms and being secured together at a point distant from their centers and pivoted near that point to the hinged end of said arms so as to be swingable in a plane substantially coincident with the plane of the jaws in their closed position, whereby when swung in either direction said curved members will move both transversely across and longitudinally along the exterior faces of the supporting arms.

2,498,316
CIGARETTE LIGHTER
André Louis Henri Tissot-Dupont, Annecy, France
Application July 18, 1946, Serial No. 684,437
In France March 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 13, 1962
7 Claims. (Cl. 67—7.1)



6. In a cigarette lighter, the combination of a casing, a pyrophoric member, a friction wheel cooperating therewith, a slidable guideway adapted to slide over the casing in a direction passing axially of the pyrophoric member and transversally of the axis of the friction wheel, a spring enclosed in said guideway and adapted to urge the pyrophoric part against the friction wheel, a stop adapted to slide across the outer end of the guideway, a second guideway for said stop perpendicular to the first guideway, a spring in the second guideway adapted to urge said stop into its operative position for which it locks the first guideway and spring therein in a position for which the spring urges the pyrophoric part against the friction wheel.

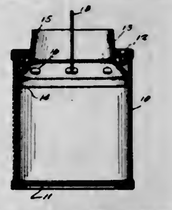
2,498,317
REMOTE INDICATING SYSTEM
Lester G. Tubbs and Gerhard P. Lessmann, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 4, 1947, Serial No. 739,510
9 Claims. (Cl. 177—351)



9. The combination with a rotatable shaft, of a rotor secured to the shaft comprising a ring of laminated magnetic material having equally spaced salient pole pieces about the periphery, a stator comprising a ring of laminated magnetic material having an equal number of similar pole pieces projecting inwardly and separated by a like number of pole pieces of lesser peripheral width, said inwardly projecting pole pieces defining a bore to receive the rotor with an air gap of substantially uniform length between the ends of the pole pieces, circuit means connected to a source of alternating current to produce a magnetic flux in the air gap including windings on the pole pieces of the stator, a voltage divider connected in parallel circuit relation with said windings, and a response circuit relation with said windings, and a response circuit including re-

sponse means operable in response to movement of the rotor connected in bridging relation between points in said windings and said voltage divider.

2,498,318
SLIDABLE SPOUT ATTACHMENT FOR CANS
Joseph Berret Violette, Hampton, Va.
Application November 17, 1944, Serial No. 563,939
3 Claims. (Cl. 222—525)



1. In combination, a can having a cylindrical side wall and a top with an annular portion depending below the upper edge of said side wall and an opening in said top, an attachment comprising a tubular member in said can having a frustoconical pouring spout at its upper end slidable through said opening and a flaring base on said spout having vents therethrough, said base having a depending annular sleeve frictionally and slidably engaging with the side wall of the can.

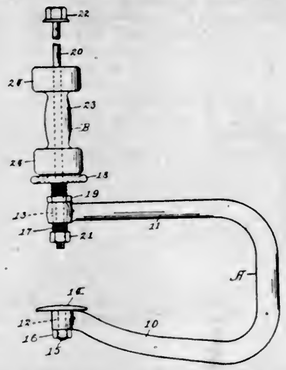
2,498,319
BALER MECHANISM
Wilhelm Vutz and Leo H. Bruggeman, Coldwater, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation, a corporation of Delaware
Application July 17, 1944, Serial No. 545,295
11 Claims. (Cl. 100—20)



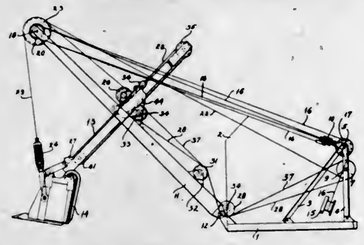
2. In a baler of the type described, a bale-forming means, a bale-tying mechanism, means including a first normally disengaged clutch to drive said bale-tying mechanism through one cycle of operation, a metering means mounted for rotation about a fixed axis and responsive to movement of material by said bale-forming means, said metering means rotating in one direction only, trip means operatively connected with the first clutch to cause engagement thereof, and means including an overrunning second clutch for operatively connecting said metering means with said trip means for actuation of the trip means, said second clutch being effective at spaced points in the rotation of said metering means, and said trip means and said clutches being also mounted for rotation about said fixed axis.

2,498,320
PERCUSSIVE TYPE FENDER AND BODY SHAPING HAND TOOL
Tobias Weber, Los Angeles, Calif.
Application May 27, 1946, Serial No. 672,488
2 Claims. (Cl. 81—15)

1. A fender and body shaping tool, comprising a yoke having complementary arms with sockets in their outer portions, a forming iron seated inwardly in one of said sockets, a sleeve threaded through the opposite socket and having a handle on its outer end by which the sleeve can be revolved and adjusted, a guide shaft retained through and extended from the sleeve and having a stop on its outer end, and a hammer freely reciprocable on said shaft between said stop and handle, the stroke of said hammer being regulated by the adjustment of said sleeve.



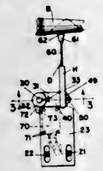
2,498,321
PORTABLE EXCAVATOR
Fred L. White and Earl I. Belcher, Marion, Ohio, assignors to The Osgood Co., Marion, Ohio, a corporation of Ohio
Application July 24, 1946, Serial No. 685,857
11 Claims. (Cl. 214—135)



1. A portable excavator comprising means to hoist and retract a dipper and handle assembly; means to crowd the dipper and handle assembly; and means associated with said last mentioned means to reversely operate said last mentioned means when the dipper and handle assembly is lowered by gravitational action.

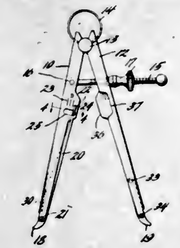
2,498,322
SIDE SLIPPING WEFT DETECTOR FOR LOOMS
Herbert A. Whitin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 8, 1949, Serial No. 75,231
9 Claims. (Cl. 139—283)

1. In side slipping weft detecting mechanism including a detector lever movable about the axis thereof from the normal position thereof to indicate weft exhaustion, a rearwardly extending arm on the lever, a housing mounted on the top of said lever and arm, removable means adjacent to the forward end of the housing securing the latter to the lever, clips on said housing fitting under



the rear part of said arm, and a detector finger slidably mounted through said housing, said removable means when removed permitting the housing to slide rearwardly on the lever and arm to disengage said clips from said arm to effect removal of the housing from the lever.

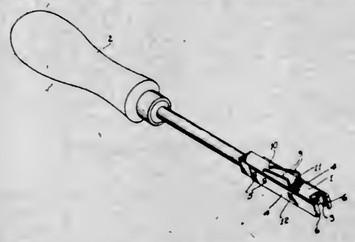
2,498,323
INDICATOR CALIPER
Charles B. Woodworth, Binghamton, N. Y.
Application September 7, 1948, Serial No. 48,061
4 Claims. (Cl. 33—148)



1. In a caliper of the type described, in combination, a pair of caliper legs hinged together, one of said legs being of channel shape in cross-section with the groove facing inwardly, an arm in said channel having an engaging point extending beyond the end of said leg, means near the engaging point pivoting said arm to said leg, an offset pointer on the opposite end of said arm, a scale on one side face of the arm-supporting leg over which the pointer plays, a slot in said leg adjacent said scale to pass the offset, the ends of said slot limiting the movement of the pointer in each direction, and a spring cooperating with the arm and its leg to urge the pointer to the limit of its movement in one direction, said arm-supporting leg being formed of sheet metal to a hollow cross-section whereby it houses said arm.

2,498,324
SPEEDNUT HOLDER
Mildred M. Yourglich and Hugo M. Bowe, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware
Application September 10, 1945, Serial No. 615,280
4 Claims. (Cl. 81—3)

1. A tool for supporting engagement with a nut or the like, comprising a pair of nut-holding fingers disposed at opposite sides of the axis of such a nut, a common support for said finger, spring means reacting between the support and said fingers, urging the fingers inwardly towards such axis, means engaging said fingers, and carried and guided by said support for movement transversely of said axis intermediate the fingers and their support, and normally spring-held in inoperative position, and further means engageable with said

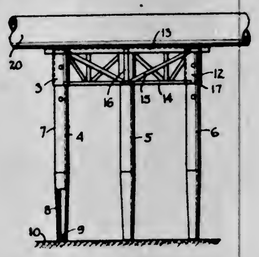


first means and deflecting the latter outwardly upon the latter's movement from such inoperative position, to urge apart the normally inwardly held fingers.

2,498,325
METHOD OF FORMING A STOCK PILE OF SULFUR
Arnold F. Zemanek, Harry A. Swem, Herbert E. Treichler, Columbus B. Williams, and William H. Kelly, Newgulf, Tex., assignors to Texas Gulf Sulphur Company, Newgulf, Tex., a corporation of Texas
Application August 5, 1946, Serial No. 688,584
3 Claims. (Cl. 18—58)

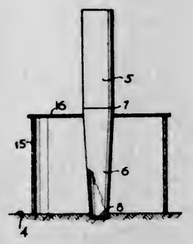
1. A method of forming a stockpile of sulphur which comprises positioning a plurality of plate forms in overlapped end to end relation to form a trough the shape of the stockpile, depositing liquid sulphur in such trough where it is retained by such forms until it solidifies, raising the forms a distance just less than the width of the plates thereof so that the bottom edges of the plates pinch against the solidified sulphur sufficiently to retain the next batch of liquid deposited in the new elevated trough thus formed, repeatedly depositing layers of liquid sulphur within the wall enclosure thus formed to a relatively shallow depth so that each deposited layer solidifies prior to the deposit of the next layer of the stockpile, and repeating such depositing until the level of the upper surface of the stockpile approaches the bottom of the forms, then depositing additional liquid sulphur in the trough to solidify and provide an additional increment of sulphur wall, and again raising the forms after such last trough deposited sulphur solidifies to form an additional wall increment, and repeatedly again filling the newly formed wall enclosure until the solid sulphur stockpile reaches the desired height so that the wall contains no foreign matter as the forms are finally removed.

2,498,326
METHOD OF FORMING A STOCK PILE OF SULFUR
Arnold F. Zemanek and Harry A. Swem, Newgulf, Tex., assignors to Texas Gulf Sulphur Company, Newgulf, Tex., a corporation of Texas
Application August 5, 1946, Serial No. 688,586
3 Claims. (Cl. 18—58)



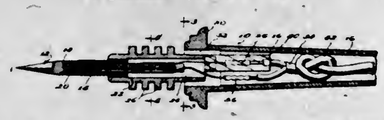
1. A method of building a sulphur stockpile which comprises positioning of a liquid sulphur distribution pipe upon a plurality of support frames, depositing the liquid sulphur layer after layer, allowing each layer to solidify prior to depositing the next layer until the level of the solid pile approaches the elevation of the top of the frames, withdrawing the frames from the solidified sulphur, resetting the frames on the upper surface of the solidified sulphur, distributing additional layers of sulphur and repeatedly elevating the frames until the stockpile is completed so that no foreign matter remains in the stockpile.

2,498,327
METHOD AND MEANS FOR FORMING BLAST-HOLES IN SULFUR STOCK PILES
Arnold F. Zemanek and Herbert E. Treichler, Newgulf, Tex., assignors to Texas Gulf Sulphur Company, Newgulf, Tex., a corporation of Texas
Application August 5, 1946, Serial No. 688,585
6 Claims. (Cl. 18—45)



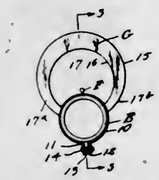
1. A nipple for the forming of blast holes in a sulphur stockpile comprising a tubular section approximating the diameter of the blast charge, a tapered section joining one end thereof, said nipple to be positioned where a blast hole is to be provided in the stockpile so that as the molten sulphur is deposited therearound and whereupon the nipple may be progressively raised step by step as the sulphur of the stockpile solidifies whereby there is formed a continuous hole in the sulphur, and a closure wall at the lower end of said tapered section to exclude sulphur.

2,498,328
ELECTRIC PYROGRAPHIC INSTRUMENT
Allen L. Atkins, Chicago, Ill.
Application April 14, 1948, Serial No. 21,043
4 Claims. (Cl. 219—29)



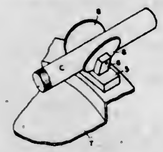
4. In combination, an electric heating element disposed within a metal tip for heating the same, a hollow handle with a central passageway for electrical leads adapted to be connected with said element, and a single refractory member of integral construction connecting the tip to the handle and having a plurality of radiating fins and a square cross section end, said handle having a cylindrical recess within which said end is wedgingly engaged with only its corners contacting the recess walls whereby to provide for passage of cooling air through the handle and past the refractory member.

2,498,329
GUN SIGHT
Allen Barnes, Missoula, Mont.
Application March 8, 1946, Serial No. 652,867
1 Claim. (Cl. 33—47)



An improved gun sight attachment for a shot gun comprising a resilient cylindrical clamping member engageable about the barrel of the shot gun adjacent the sight, an upstanding flat sight encircling crescent shaped member on said clamping member, the terminal ends of said flat member being fixed to the sides of said clamping member on opposite sides thereof whereby the sight of said shot gun will be disposed within an apparent downwardly converging field of vision.

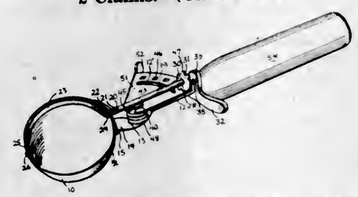
2,498,330
COMBINED CIGARETTE SUPPORT AND EXTINGUISHER
Charles F. Block, Batavia, N. Y.
Application October 29, 1948, Serial No. 57,251
3 Claims. (Cl. 131—256)



3. In a combined support and extinguisher for lighted cigarettes, a base, a pair of spaced upwardly diverging posts mounted on said base, a pair of opposing pins respectively mounted on the upper ends of said posts, the free ends of said pins being directed upwardly a slight amount with respect to the horizontal, and a disc loosely

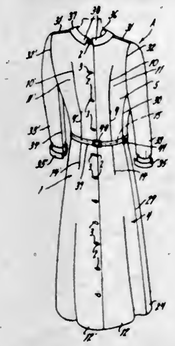
rotatable on each pin whereby said discs can rotate and the relation between the inner surfaces thereof can change with the changing center of gravity of a burning cigarette supported therebetween.

2,498,331
ICE CREAM DISHER
Samuel Bloomfield, Chicago, Ill.
Application August 12, 1946, Serial No. 690,034
2 Claims. (Cl. 107—48)



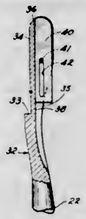
1. An ice cream disher comprising a shank, a handle at one end of said shank, a cup on said shank, a plate placed on said cup and providing a socket into which the opposite end portion of the shank is projected, a blade operable within said cup, and means on said shank for rotating said blade relative to said cup, said means including a ratchet plate provided with an opening and an entrance slot leading to said opening, a segmental gear meshing with said ratchet plate, a shaft carrying the gear and having an end portion connected to the blade, a mounting stud on the shank and having a reduced core portion substantially circular in cross section with the exception of two oppositely disposed flat sides, the distance between which is equivalent to the width of the entrance slot and the diameter of said core being of a diameter to be received in said opening, and said flat sides being disposed perpendicular to the axis of said shank so that the said ratchet plate cannot become disengaged while in operative position, a coil spring on said mounting stud with one end portion connected to said ratchet plate and an opposite end portion connected to the shank.

2,498,332
REVERSIBLE DRESS
Alexander Brick, Clayton, Mo.
Application July 21, 1949, Serial No. 106,048
4 Claims. (Cl. 2—74)



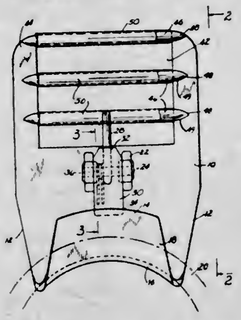
2. A reversible dress comprising a skirt having front and back portions substantially identical in peripheral contour and joined by side seams, a waist having front and back portions substantially identical in peripheral contour and joined by shoulder and side seams, said side seams respectively aligned with the side seams joining the front and back skirt portions, said waist portions having arm cut-outs substantially identical to form armholes symmetrical with respect to said shoulder and side seams of said waist portions, and sleeves fitted into said armholes, said sleeves each being symmetrical about its longitudinal axis.

2,498,333
PHONOGRAPH RECORD HOLDING SPINDLE
Willard Faulkner, Chicago, Ill., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application July 2, 1943, Serial No. 493,242
8 Claims. (Cl. 274—10)



1. A device of the class described including an upstanding member having a shoulder for supporting a stack of records, means for guiding the records onto said shoulder including a pilot formed with a kerf, a slide member movably disposed and movable in the kerf in a vertical direction to a point spaced from the shoulder, said slide adapted to extend beyond the confines of the kerf out of the kerf at a point below the pilot and adapted to engage the inside of the hole of the record on one side to maintain the records against lateral shifting.

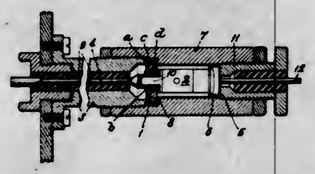
2,498,334
SADDLE BUCKLE
Macon M. Garner, Pine Lawn, Mo.
Application October 15, 1945, Serial No. 622,349
1 Claim. (Cl. 24—165)



In a saddle girth safety buckle, the combination which comprises a substantially rectangular shaped base plate having a rectangular shaped opening extended inwardly from one end and having spaced pins with rotatable sleeves thereon extended across said opening, the opposite end

of said base plate having converging sides with an arcuate ring receiving clip on the said end, said base plate having spaced upwardly extended ears thereon positioned between the said arcuate clip and pins in the said rectangular shaped opening, a transversely disposed shaft carried by said ears, a tongue pivotally mounted on said shaft and positioned whereby the extended end thereof is adapted to bear against the sleeve on the one of said spaced pins nearest the said shaft, a latch also pivotally mounted on said shaft and positioned with one end adapted to bear against the tongue and the opposite end retained under the said arcuate clip, and a coil spring positioned around the said shaft with one end being against the base plate and the other under the latch whereby the latch is urged by the spring outwardly and the tongue inwardly against the sleeve on the said one pin nearest the said shaft and in the rectangular shaped opening.

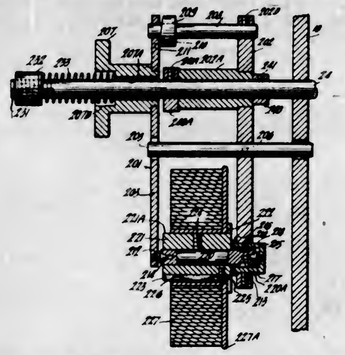
2,498,335
TERMINATION FOR COAXIAL LINES
Edward William Hunt, Chesham, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 3, 1945, Serial No. 591,731
In Great Britain February 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 1, 1964
10 Claims. (Cl. 250—31)



1. A coaxial transmission line comprising a metallic housing, inner and outer conductors terminated within said housing by means of a centrally apertured solid carbon disc, said disc being electrically connected to the outer cylindrical surface of the inner conductor adjacent one face of the carbon disc and retained to the housing by a bushing threaded in said metallic housing, the outer conductor of said line and said metallic housing forming part of the terminating device, the resistive termination being constituted by said solid carbon disc between the surfaces of connection to said housing and being disposed symmetrically about the inner conductor of the transmission line.

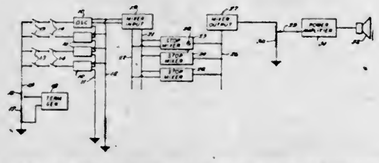
2,498,336
REEL TENSION DEVICE
Gilbert J. Kennedy, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 25, 1946, Serial No. 643,289
6 Claims. (Cl. 242—75)

3. A reel tensioned device for retaining a reel of thin strip material comprising a yoke member, an adjustable spacing member located at one end of said yoke member, a rotatable reel located within said yoke member and positioned at an end opposite from said adjustable spacing member, a collar having sloping sides secured to said adjustable spacing member and forming a fulcrum point on said yoke member, a rotatable mandrel for said reel, and a spring member secured to said yoke member for applying friction on said mandrel whereby a slight tension is



maintained on the thin strip material when it is unwound.

2,498,337
ELECTRICAL MUSICAL INSTRUMENT
Earle L. Kent, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application April 20, 1945, Serial No. 589,345
3 Claims. (Cl. 84—1.22)

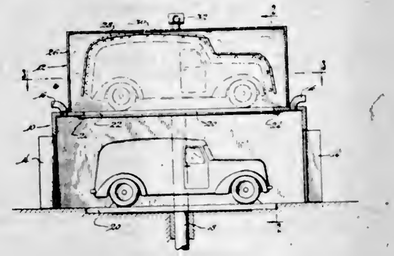


1. An electrical musical instrument comprising sources of audible frequency vibrations of different tonal qualities, a translating device, and a plurality of mixing devices connected in parallel between each of the sources and the translating device, each of the mixing devices including an electron discharge tube having a control grid, a cathode and a plate, the sources being connected to the control grid and the translating device being connected to the plate, filter means in circuit with the control grid and the cathode, and a switch for starting and stopping operation of the tube.

2,498,338
PRESSURE SENSITIVE ADHESIVE TAPE
John B. Martin, Glen Ellyn, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application March 30, 1943, Serial No. 481,159
6 Claims. (Cl. 117—122)

1. A pressure sensitive adhesive tape comprising a flexible backing material bearing on a surface thereof a coating of a pressure sensitive adhesive consisting essentially of a modified factice composition comprising a mixture of a halogen-free curved vegetable oil factice and a solid rubbery material selected from the group consisting of natural rubber, reclaim rubber, isobutylene polymer of molecular weight 60,000–120,000, and butadiene-styrene copolymer, a tackifying resin and a liquid plasticizer, both said tackifying resin and said liquid plasticizer being compatible with said modified factice composition, said composition and ingredients being present in substantially the following amounts by weight of said adhesive: modified factice composition—from 14 to 40%, of which the factice constitutes from 14 to 25%, tackifying resin—from 10 to 50% and liquid plasticizer—from 5 to 25%.

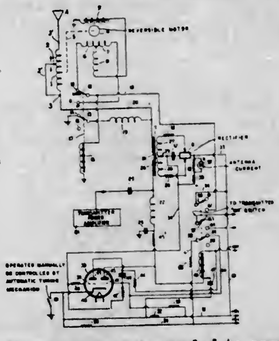
2,498,339
COMBINATION PAINT BOOTH AND BAKING OVEN
William J. Miskella, Cleveland, Ohio
Application September 11, 1947, Serial No. 773,374
3 Claims. (Cl. 91—55)



3. A combination paint booth and baking oven for refinishing automobiles comprising a paint booth of a size sufficient to enclose an automobile and to afford ample working space about the automobile, means defining an opening in the top of the booth sufficiently large to permit the passage of said automobile therethrough, a baking oven adapted to enclose closely the automobile surmounting said booth and communicating with said booth by said opening, said oven including heating means conformed generally to the contour of the painted surface of the automobile thereby to insure approximately even distribution of heat over said surface, and means for transferring said automobile vertically between said oven and said booth, said last named means including a movable platform adapted to support the automobile and having a plane area larger than the area covered by the automobile so as to fit closely said top opening in said paint booth and to provide a floor for said baking oven when the automobile is transferred to said baking oven.

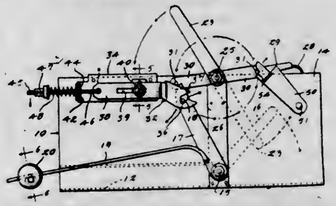
2,498,340
ANTENNA TUNING CONTROL SYSTEM
William B. Morrison, Verdun, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 23, 1945, Serial No. 584,393
In Canada January 22, 1945
5 Claims. (Cl. 250—17)

5. A control system for tuning an oscillatory circuit having a component variable over a predetermined range of mechanical movement to tune said oscillatory circuit over a prearranged frequency spectrum, including a power device to drive said component over said range of movement, and a control circuit to interrupt said power device upon said component reaching a position at which said oscillatory circuit is tuned to resonance with a signal applied thereto, said control circuit comprising means to derive a voltage proportional to the current flowing in said oscillatory circuit, said voltage having a waveform rising to a maximum at the frequency at which resonance is obtained, means to alter the waveform of said voltage to produce a potential having a waveform having an intermediate value at the frequency at which resonance is obtained,



electron discharge means coupled to control said power device and biased to maintain said power device normally operative, and means to apply said potential to said electron discharge means to block the same when said potential attains said intermediate value thereby to render said power device inoperative.

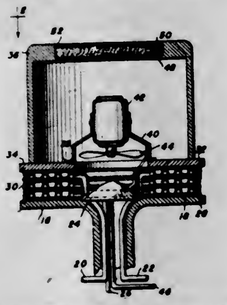
2,498,341
FISH GATE
Phalen H. Numsen and Frank A. Barnes, Missoula, Mont.
Application February 10, 1947, Serial No. 727,620
8 Claims. (Cl. 61—21)



1. A fish gate of the kind described comprising a U-shaped channel body, a pair of vertically spaced apart shafts rotatably mounted transversely of said body, transversely spaced apart blades fixed on the lowermost of said shafts extending rearwardly thereof, transversely spaced apart blades fixed on the uppermost of said shafts on opposite sides thereof, said upper blades engageable between said lower blade upon rotation of said uppermost shaft, a lever fixed on said lower shaft, a weight fixed on said lever spaced forwardly therefrom for urging said blades to normal raised position, said lever extending forwardly and upwardly from said shaft in its normal position, said lower blades extending rearwardly and upwardly in the normal position, a pin on the upper end of said lever, a spring-pressed hook member pivotally and slidably mounted on said body, said pin engageable in said hook member for limiting the forward movement of said lever, a lever arm on said upper shaft on opposite sides thereof radially offset from said upper blades pins on the opposite ends of said lever arm, one of said pins engageable with said hook member for hold-

ing said upper blades against rotation in one direction, a pawl rearwardly of said upper shaft engageable with the other of said pins for holding said upper blades against rotation in the opposite direction, said latter pins engageable with said first lever whereby said lever arm will pivot said first lever forwardly upon releasing said levers from said hook member upon initial forward pivotal movement of said lower blades.

2,498,342
PEDESTAL TYPE AIR CONDITIONING UNIT
Richard Petticrew, Dearborn, Mich.
Application April 5, 1946, Serial No. 659,831
1 Claim. (Cl. 62—129)



An air conditioning unit comprising a base plate, a tubular standard mounted on said plate, a head positioned on said standard, said head having an opening, cooling means mounted on said head, a base member having an opening, said member being positioned adjacent said cooling means, spaced from the head and having its opening in alignment with the head opening, a circular baffle plate secured to the head and positioned between the head and the base in alignment with the openings, and within the cooling means, a drain for the baffle plate, a circular housing secured to the base, said housing including a filter and air circulating means on said base and within said housing.

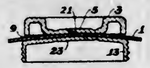
2,498,343
DENTURE CLEANSERS
Theodore H. Rider, Hinsdale, and Fred L. Humoller and Solomon D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application August 10, 1944, Serial No. 548,934
7 Claims. (Cl. 252—103)

1. A denture cleansing powder composition which comprises sodium percarbonate; an activating agent for enhancing the liberation of active oxygen from said percarbonate and enhancing the bleaching action on the denture, said activating agent comprising a stable, alkali-soluble compound of at least one member selected from the group consisting of aliphatic unsubstituted hydroxy-carboxylic acids containing up to 6 carbon atoms, the salts and the lactones of such acids with a metal which is capable of existing in at least two states of oxidation; at least the major proportion of the particles of said activating agent being coated with at least one member selected from the group consisting of palmitic acid, stearic acid, benzoic acid, ursolic acid, cholesterol and ethyl cellulose; and a buffer; the ingredients being so proportioned that an aqueous solution of said composition has a pH of from 9.0 to 11.5.

2,498,344
DENTURE CLEANSERS
Theodore H. Rider, Hinsdale, and Fred L. Humoller and Solomon D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application December 23, 1944, Serial No. 569,650
7 Claims. (Cl. 252—103)

1. A denture cleansing powder composition which comprises a per-oxy oxygen-liberating compound; an activating agent comprising a stable, alkali-soluble compound of at least one member selected from the group consisting of aliphatic unsubstituted hydroxy-carboxylic acids containing up to 6 carbon atoms, the salts and the lactones of such acids with a metal which is capable of existing in at least two states of oxidation, at least the major proportion of the particles of said activating agent being coated with at least one member selected from the group consisting of palmitic acid, stearic acid, benzoic acid, ursolic acid, cholesterol and ethyl cellulose; and a buffer, the ingredients being so proportioned that an aqueous solution of said composition has a pH of from 9.0 to 10.5.

2,498,345
CLOSURE
Thomas H. Risk, Franklin, Mich.
Application November 8, 1946, Serial No. 708,683
5 Claims. (Cl. 220—39)

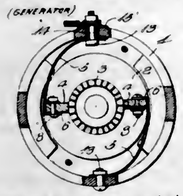


1. A closure comprising a plug adapted to be tightened in an opening of a container by turning motion, a spring plate and a nut all fastened together as a unit adjacent the centers thereof in face contacting relation with the plate between said plug and nut, the peripheral unfastened portion of the plate being normally in spaced relation to the nut throughout the peripheral portion of the nut, said spring plate having a circular periphery extending beyond the periphery of said plug to provide a surface under which a gasket can be accommodated, the peripheral portion of said plate sloping away from the nut toward said plug, said nut having a lower edge portion, extending below the center of the upper face of said plate, adapted to contact said plate in operative position as a result of said plate being flexed toward said lower edge of said nut, said nut also having an annular inverted channel adjacent said edge, the relation between the peripheral portion of said plate and said lower edge portion of said nut being such as to prevent said plate from going over center when in operative position.

2,498,346
GENERATOR AND STARTER
William J. Smith, Sr., Shawmut, Ala.
Application August 12, 1947, Serial No. 768,187
1 Claim. (Cl. 171—323)

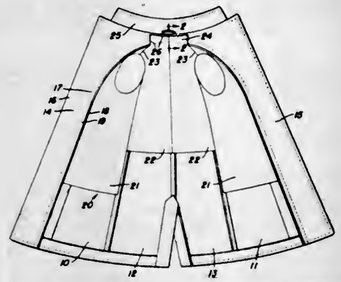
In an electric power unit, a casing, an armature and a companion commutator rotatably mounted in the casing, brushes disposed radially of the commutator and having side faces and inner and outer end bores, said brushes having

their inner end faces bearing against the commutator, brackets for said brushes each consisting of a strip of resilient sheet metal bowed longitudinally and having its outer end mounted upon the inner surface of the wall of the casing, said brackets extending circumferentially of the casing in diverging relation thereto towards the commutator and each having its free inner end portion extending across the outer end face of the companion brush and bent to form a tongue



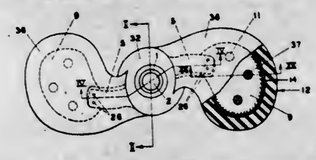
extending towards the commutator in overlapping engagement with a side face of the companion brush, and bolts passing through the brushes and the overlapping tongues of the resilient strips and removably securing the brushes tightly against inner side faces of the tongues with adjoining portions of the resilient strips bearing against the outer ends of the brushes and pressing the brushes into contacting engagement with the commutator.

2,498,347
OUTER COAT
Samuel Summer, Albany, N. Y.
Application January 27, 1949, Serial No. 73,083
3 Claims. (Cl. 2—97)



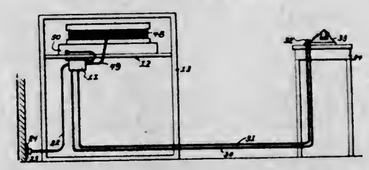
3. An outer coat having opposed fronts provided with facings extending from adjacent the bottoms of said fronts continuously up around the shoulders and across the back yokes, said facings having free inner edges spaced from the outer edges of said fronts and forming a flap extending substantially continuously from adjacent the bottoms of said fronts upwardly over the shoulders and across said back yokes, said flap being adapted for attachment to its under side and to normally conceal a continuous tape carrying slide fastening means for a detachable inner coat lining, said coat having at least a part lining stitched therein and under the said flap but having a portion at the top of said inner lining between the shoulder seams extending over and covering said flap and stitched in position to provide a smooth and unbroken inner lining across the top of said back yokes, said lining extension being adapted to be detached and restitched in position under said flap to continuously expose the same for attachment thereto of said tape of said fastening means.

2,498,348
MARINE PROPELLER
Frank E. Thompson, Jr., Grand Rapids, Mich.
Application May 29, 1947, Serial No. 751,286
3 Claims. (Cl. 170—160.5)



1. A composite axial flow marine propeller comprising in combination: a metallic hub core with an exterior surface divided into circumferential steps of radius progressively increasing in one direction along the axis of said hub core; a plurality of rigid inserts integral with said hub core and projecting radially therefrom; a flexible insert composed of a plurality of layers of cloth bonded together mounted upon and projecting radially from the ends of each of said rigid inserts; a resilient coil along the periphery of said flexible insert; a rubber shell having a smooth hydrodynamically shaped exterior surface surrounding said hub core and bonded thereto; a blade-shaped rubber shell surrounding each of said combinations of a rigid insert and a flexible insert and integral with said hub shell.

2,498,349
PHONE ATTACHED RADIO SILENCING DEVICE
Clarence E. Van Velsor, Berkeley, Calif.
Application November 24, 1947, Serial No. 787,776
1 Claim. (Cl. 179—2)



A radio controlling means for grounding the antenna loop of a radio comprising, a magnetic switch having a base, a pair of terminals on the base, a wire connecting one of said terminals to the ground of a radio, a second wire connecting the other of said terminals to the antenna loop of the radio, a magnetic arm pivotally mounted on said base, a second pair of terminals on said base, wires connecting said second pair of terminals to a household power line, a magnet having a coil and core mounted on said base below one end of said magnetic arm, a wire connecting the coil of said magnet to one of said second pair of terminals, a wire connecting the core of said magnet to the other end of said pair of terminals, a contact and a stop bracket mounted on said base in opposed relation to each other, a wire connecting said contact to the terminal connected to the ground of the radio, an insulated depending arm on the magnetic arm on the end opposite to the end above the magnet and said arm disposed intermediate of said contact and said stop bracket, contact faces on said arm, a wire connecting one of said contact faces to the terminal connected to the antenna loop of the radio, a pair of wires connected to the terminals connected to the household power line, a switch interpolated in the wires connecting the second terminal to the household

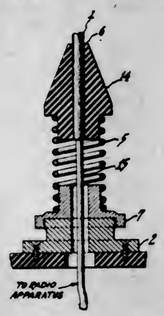
power line and the closing of said switch adapted to connect the household power line to the magnet to energise said magnet to attract that end of the bar above said magnetic arm and cause said insulated depending arm to move to engage the contact connected to the terminal connected to the ground of the radio to ground the antenna loop of the radio to cut off the radio during the use of the telephone.

2,498,350

SHOCK MOUNT FOR COLLAPSIBLE ANTENNAS

Allen A. Walsh, West Englewood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application April 30, 1943, Serial No. 485,122, now Patent No. 2,419,611, dated April 29, 1947. Divided and this application November 7, 1945, Serial No. 627,257
4 Claims. (Cl. 250—33)



4. A shock absorbing antenna arrangement comprising a relatively rigid metallic antenna member; a base member having an aperture therein; an insulated sleeve member for supporting said antenna member, said sleeve member having a shouldered portion; a spring supporting member secured to said base member and having a shouldered portion; a helical spring fastened to said sleeve member and said supporting member at the shouldered portions thereof; and a flexible conductor electrically connected to one end of said antenna member and being arranged to pass through said helical spring member, said spring supporting member and the aperture in said base member for connection to radio apparatus.

2,498,351

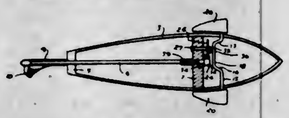
WITHDRAWN

2,498,352

FISH LURE

John Soren William Bergman, Vancouver, British Columbia, Canada

Application July 5, 1947, Serial No. 759,176
2 Claims. (Cl. 43—42.01)



1. A fish lure adapted for attachment to a fish line, said lure comprising a hollow body simulating a live bait, a shaft extending longitudinally of the body having a propeller tail at one end and a crank at the opposite end, a transverse shaft journalled in the sides of said body, said shaft having fins extending beyond said body, said shaft having a crank intermediate its length, and a Geneva gear operatively interposed between the cranks of the shafts to impart a movement to the transverse shaft in one direction only, said transverse shaft being adapted to be rocked in an opposite direction by sustained pull on the fish line.

2,498,353

PROCESS FOR MAKING ACTIVATED MAGNESIUM SILICATES

Ernest C. Bierce, Pasadena, Calif.

No Drawing. Application December 23, 1946, Serial No. 718,117
5 Claims. (Cl. 23—110)

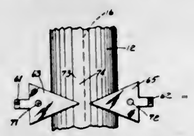
1. The process of making magnesium silicate of high decolorizing capacity comprising mixing an aqueous solution of sodium silicate with a precipitant selected from the group consisting of a water soluble mineral acid and an alkali metal salt of a mineral acid in an amount less than that required to initiate precipitation of an insoluble precipitate at the temperature of the mixture, heating the mixture until an insoluble precipitate begins to form, then adding a water soluble magnesium salt, and continuing the heating until magnesium silicate is formed.

2,498,354

MAGNETIC LENS SYSTEM

Carlo V. Bocciarelli, Oxford, Pa., assignor to Philco Corporation, a corporation of Pennsylvania

Application December 3, 1946, Serial No. 713,643
9 Claims. (Cl. 250—161)



1. A magnetic lens for amplifying a cathode ray tube image display comprising at least one magnet having oppositely disposed triangular pole pieces substantially parallel to each other, said pole pieces being positioned oppositely of said cathode ray tube.

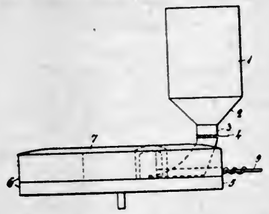
2,498,355

METHOD AND MEANS FOR THE PRODUCTION OF POROUS CLINKERS

Axel Fritiof Bomgren, Stockholm, Sweden

Application February 20, 1948, Serial No. 9,875
In Sweden July 5, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 5, 1966
7 Claims. (Cl. 106—40)

1. The method of producing porous clinkers from dried and granulated material of the clay and shale type and capable of developing gas when heated which comprises the steps of storing the material in a comparatively thick vertical column, slowly heating in a first heating stage the material so stored to a temperature of about 800° C. to cause any water contained in the material to escape, spreading the material in a layer in which the individual granules lie substantially free from one another, and rapidly heating the material in a second stage to a temperature within a range between 1200° and 1300° C. while maintaining the granules in said layer in a mutually unmoved position.



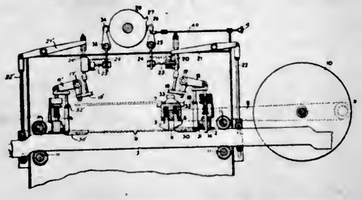
4. Apparatus for producing porous clinkers from dried and granulated material of the clay and shale type and capable of developing gas when heated in which clinkers the volume of the granular material is augmented and which have a glaze layer on the surface, said apparatus comprising a vertical kiln providing a straight path for a descending mass of the dried and granulated material and a rising flow of hot gases, a single annular tunnel furnace connected to the said kiln and having a rotating plane bottom slab, means for heating the tunnel furnace to a temperature exceeding that of the kiln means for the control of the passage of the material preheated in the kiln from the kiln to the rotating bottom slab in such a manner that the granules on the bottom slab form a layer wherein the granules substantially lie free from one another, and means for discharging the material from the bottom slab after the same has once passed through the annular tunnel furnace.

2,498,356

LATCH AND MASK ENGAGING MEANS FOR RECTILINEARLY MOVING MEMBERS

James Glendinning Bone, Stockton-on-Tees, England, assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England, a British company

Application August 6, 1947, Serial No. 766,655
In Great Britain November 26, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 26, 1962
8 Claims. (Cl. 74—1)



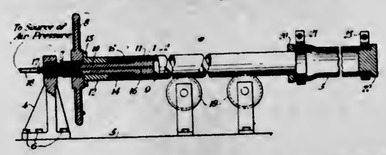
1. In a cyclical control apparatus wherein various parts are to be displaced in pre-determined sequence, at least one constantly reciprocating rectilinearly guided cross-head, a displaceable part associated with said cross-head, at least one latch on said cross-head adapted for driving engagement with said displaceable part, a displaceable mask adapted in one position to render said latch inoperative and in another position to permit driving engagement of said latch with said displaceable part, and cam means governing the position of said mask.

2,498,357

PROCESS OF MAKING INSULATED ELECTRICAL CONDUCTORS

Edgar W. Breisch, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 24, 1946, Serial No. 643,102
1 Claim. (Cl. 29—148.2)



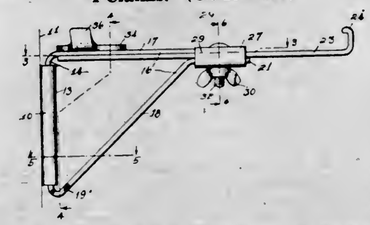
The process of manufacturing an insulated electrical conductor which consists of preparing a given length of a first tube which has a preselected outside diameter and a relatively high conductivity, preparing a second tube of elastic insulating material of a length a little greater than said given length and having an inside diameter no greater than said outside diameter of said first tube, clamping one end of said second tube to form an air tight joint, clamping the other end of said second tube over a collar having an inside diameter slightly greater than said outside diameter of said first tube, mounting the first tube in a horizontal place and slipping one end of the tube over a mandrel to anchor the tube at the one end and leaving its other end free, starting said collar with said second tube attached over the free end of said first tube, admitting air pressure to the inside of the anchored end of the first tube for the pressure to flow through the first tube and into the second tube to expand said second tube, pulling the collar and second tube over the first tube while the first tube is supported in its horizontal position, and exhausting said air pressure for said second tube to contract and grip said first tube.

2,498,358

SHOE HOLDER AND CLAMP FOR POLISHING PURPOSES

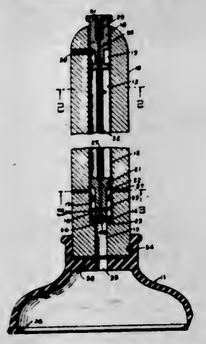
Johnde W. Brewer, Des Moines, Iowa

Application December 19, 1947, Serial No. 792,778
4 Claims. (Cl. 15—267)



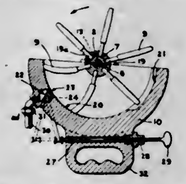
3. A shoe holder comprising, a supporting frame including a horizontal portion, a downwardly extending wall engaging portion having its lower end inclined upwardly and outwardly to form a brace, a bar slidably supported between the lower face of the horizontal portion and the upper end of said brace, the outer end of said bar terminating in a toe-hook, a heel clamp pivotally secured to the inner end of said horizontal portion to rotate through an angle of 180°, and means for adjustably clamping the slidable bar to and between said horizontal portion and the brace member to permit the toe-hook to move toward and from the heel clamp.

2,498,359
PLUNGER PUMP
Marvin W. Coleman, Dearborn, Mich.
Application April 29, 1947, Serial No. 744,724
4 Claims. (Cl. 4—255)



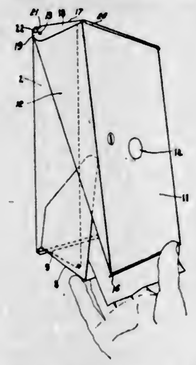
1. A plunger comprising a handle and an inverted cup-shaped portion at one end of the handle collapsible to effect an increase in pressure therein, means for venting the interior of the cup-shaped portion to the atmosphere including a passage having annular valve seats spaced from each other in the direction of flow through the passage, and valve means slidably supported in the passage between said seats and relatively engageable with the seats upon movement in opposite directions.

2,498,360
MECHANICAL PAINTBRUSH
Robert P. Darling, Fairview, N. J.
Application May 27, 1948, Serial No. 29,492
9 Claims. (Cl. 91—62.5)



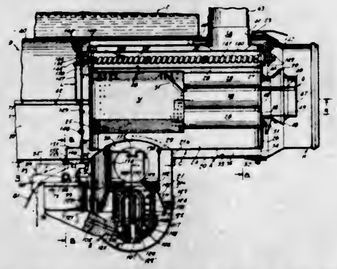
7. A rotating painting and coating apparatus comprising, a housing having a hollow interior portion to form an inner wall therein, locking bars pivotally connected to the outer edge of said housing in a plane perpendicular to the longitudinal plane of the housing, split bearings mounted on said housing and having at least one portion thereof carried by each of said locking bars, a rotatable shaft removably mounted in said bearings across said hollow portion of the housing, means for rotating said shaft, a brush adapter carried by said shaft and rotatable therewith, brushes carried by said brush adapter for contact with said inner wall, an offset enlargement forming the latter third of the inner wall to aid absorption of coating material therefrom by said brushes, a valve chamber formed in said housing, means for delivering coating material to said valve chamber, a longitudinal opening on said inner wall communicating with said valve chamber to allow coating material to pass thereto, a hemi-cylindrical valve member movably mounted in said valve chamber to open and close said longitudinal opening, and an externally mounted lever to communicate with said hemi-cylindrical valve to control the width of said longitudinal opening to prevent excess coating material from passing to said inner wall.

2,498,361
MAIL RECEPTACLE
Elias V. Davis, Miami, Fla.
Application April 26, 1947, Serial No. 744,138
4 Claims. (Cl. 232—17)



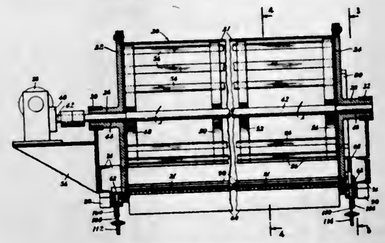
4. A mail receptacle comprising a bracket having a back panel adapted for attachment to a supporting structure and a pair of marginal side walls, a door pivotably connected at the top thereof to said bracket, a bottom pivotably connected to said bracket, cam means carried by said bottom and engageable with said door to effect the opening thereof upon application of inwardly directed pressure to said bottom and a cover arranged on said receptacle.

2,498,362
CONVECTION AND FORCED DRAFT AIR FLOW AND COMBUSTION AIR HEATING FURNACE
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application November 13, 1943, Serial No. 510,181
10 Claims. (Cl. 126—110)



1. A hot air furnace comprising a horizontal cylindrical housing open at both ends so as to provide an air inlet and an air outlet, a blower adjacent the inlet end for blowing air lengthwise of the housing, a concentric combustion drum of smaller outside diameter than the housing so as to provide a space between the housing and drum, the drum having end walls interconnected by air tubes and carrying a downwardly extending fire tube adjacent the end wall near the blower and opening into the drum, the housing having a tube spaced outside the fire tube, the upper end of the outer tube closing off the space between the housing and drum on the portion of the tube remote from the blower only so that air is intercepted and directed downwardly between the downwardly extending tubes, a forced draft, liquid fuel burner below the fire tube and discharging products of combustion into the fire tube and the interior of the drum, means forming an air passage for conducting the intercepted air to supply it to the burner, and a stack connection from the combustion drum.

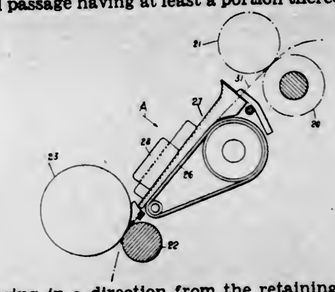
2,498,363
APPARATUS FOR MIXING AND POURING A QUICK-SETTING MATERIAL
Thomas J. Foster, Ridgewood, N. J.
Application May 11, 1946, Serial No. 669,081
3 Claims. (Cl. 259—9)



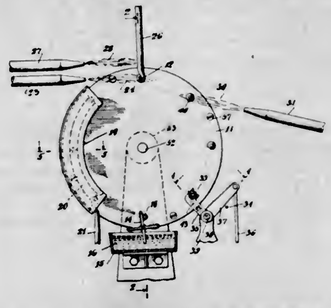
1. In apparatus of the character described, the combination including: a drum, trunnion means supporting said drum for rotation about a horizontal axis, carriage means supporting said trunnion means and adapted to move said trunnion means and said drum along a generally horizontal path perpendicular to the axis about which said drum is rotatable, independently operable mixing means mounted within said drum, means for locking said drum against rotation, opening means extending across said drum, and screeding means cooperating with the opening means to screed mixed material from the drum.

2,498,364
ARRANGEMENT FOR DRAFTING AND TWISTING FIBROUS MATERIAL IN SPINNING FRAMES
Hugh Fraser, Arbroath, Angus, Scotland, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland, a company of Great Britain and Northern Ireland
Application June 29, 1948, Serial No. 35,898
In Great Britain June 3, 1947
6 Claims. (Cl. 19—131)

1. Mechanism for drafting fibres in a textile spinning machine comprising retaining means, drawing rollers, a travelling apron for carrying the fibres from the retaining means to the drawing rollers, a condensing surface extending in the direction of travel of and above the carrying portion of the travelling apron and converging toward said portion of the apron in the direction of travel thereof, a pair of confining surfaces spaced transversely of the direction of the travel of the fibres being drafted and extending from adjacent the carrying portion of the travelling apron to adjacent the condensing surface, said confining surfaces, the condensing surface and the carrying portion of the travelling apron forming a substantially enclosed passage for the fibres, said passage having at least a portion thereof converging in a direction from the retaining means towards the drawing rollers, whereby fibres passing through the converging portion of said passage are condensed.



2,498,365
METHOD AND APPARATUS FOR MAKING BEADS OR THE LIKE
Paul Ganzinotti, Union City, N. J., assignor to Hudson Pearl Company, Union City, N. J., a copartnership
Application January 28, 1944, Serial No. 520,124
9 Claims. (Cl. 49—7)

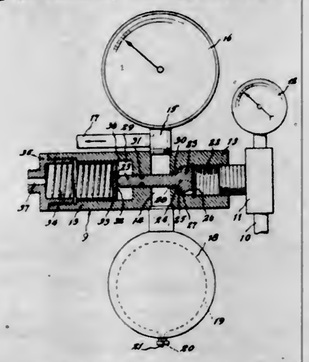


5. A bead-making machine comprising a plurality of spindles, a carrier for the spindles, apparatus for moving the carrier to traverse the spindles along a predetermined course, an applicator for coating each spindle as it passes one region along the course, means for applying a globule of fusible material to each spindle at another region, and a bead ejector at still another region along said course and in the path of each spindle as the spindle approaches the bead ejector region, and apparatus for moving the bead ejector to push the bead off each spindle and to shift the ejector out of the path of the spindle from which the bead has been pushed.

2,498,366
AUTOMATIC GAUGE VALVE
Edward M. Greer, Hempstead Township, Nassau County, N. Y., and Donald A. Stark, Chicago, Ill., assignors to Greer Hydraulics Inc., Brooklyn, N. Y.
Application January 10, 1946, Serial No. 640,238
3 Claims. (Cl. 137—153)

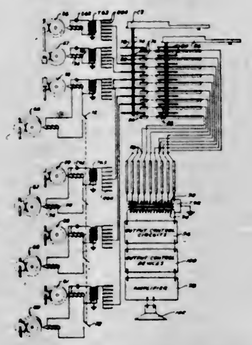
1. A valve for supplying a low pressure system from a system carrying fluid under varying higher

pressures, including a passageway connecting said two systems, a plunger valve movable to control the opening in said passageway, spring means urging said plunger valve to an open position allowing fluid to flow through said passageway, and piston means for urging said plunger valve to a closed position in said passageway, said piston including an ancillary fluid passageway extending



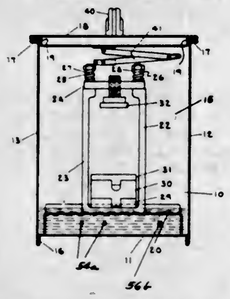
through the body of said plunger valve between said two pressure systems, and valve means closing said ancillary passageway when the fluid pressure in said low pressure system increases to a predetermined value, whereby said low pressure system can be charged from said variable pressure system when the pressure in said latter system is above a minimum value with respect to the pressure in said low pressure system.

2,498,367
ELECTRICAL MUSICAL INSTRUMENT
Laurens Hammond, Chicago, and John M. Hanert, Park Ridge, Ill., assignors to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application September 15, 1944, Serial No. 554,180
8 Claims. (Cl. 84—1.21)



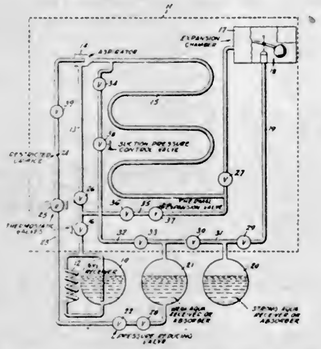
2. In an electrical musical instrument having a set of solo generators generating sine waves of substantially the frequencies of the tempered musical scale, a plurality of chorus generators, and means to cause said generators to generate frequencies differing respectively from the frequencies generated by said solo generators, the frequency differences between the chorus generators and their respective solo generators being relatively small for the higher pitch notes and increasing progressively in descending the musical scale.

2,498,368
PROCESS FOR CURING ACRYLIC BASE DENTURE MATERIAL
William M. Harrison, Terrace Park, Ohio, assignor to The Harrison Dental Company, Inc., Cincinnati, Ohio, a corporation of Ohio
Application March 22, 1946, Serial No. 656,475
4 Claims. (Cl. 18—55.1)



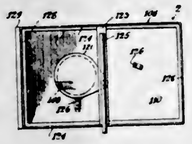
2. A process for curing heat hardenable acrylic base denture material including the steps of supporting a vapor permeable plaster mold containing said material in an enclosed space above a body of water within the space; and heating said water to, and maintaining it at at, a temperature sufficient to surround said mold with hot water vapor at curing temperature.

2,498,369
SPLIT AMMONIA ABSORPTION SYSTEM
Charles D. Hartman, Jr., New York, and Almon J. Cordrey, Garden City, N. Y.
Application September 12, 1946, Serial No. 696,598
13 Claims. (Cl. 257—3)



5. A heating system for a refrigerating chamber comprising a heat exchanging coil in said chamber, means for supplying weak aqua ammonia to said coil, means for supplying ammonia vapor to said coil for absorption in said aqua ammonia to form strong aqua ammonia and generate heat, an expansion chamber connected to said coil for receiving said strong aqua ammonia from said coil, a float valve in said chamber for discharging said strong aqua ammonia from said chamber, and a receiver for said strong aqua ammonia connected to said chamber.

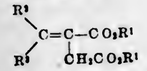
2,498,370
ASH RECEPTACLE
Fred G. Julyan, Euclid, and William M. Schweickart, Bay Village, Ohio, assignors to Pocahontas Fuel Company Incorporated, New York, N. Y., a corporation of Virginia
Original application August 3, 1940, Serial No. 350,500. Divided and this application February 21, 1945, Serial No. 579,102
3 Claims. (Cl. 220—33)



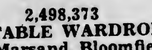
2. A container of the class described adapted to be positioned adjacent a supply outlet through which granular material is intermittently forced upward comprising a portable can having surrounding vertically extending inner side surfaces for retention of material and a bottom extending inward from said side surfaces in all directions and having an opening adapted to receive granular material upward from below through said outlet, said opening having its longest dimension less than half the minimum distance between said inner side surfaces and spaced from all of said surfaces to leave the surrounding portion of said bottom as a ledge retaining successive increments of the said material intermittently passing upward through said opening, and a gate slidably mounted on the bottom of the can to open and close the bottom opening therein and with an operating handle positioned at the top of the can and connected to the gate and adapted to move the same to closed position when the can is full of material, and a transverse handle member extending across the top of the can parallel to said operating handle in closed position thereof so that both the operating handle and the handle member may be grasped together by the hand of the user, said operating handle having one end extending beyond the side of the can in closed position of the gate so as to require the gate to be opened before positioning of a cover on the can.

2,498,371
METHOD FOR PREPARING ALKYLIDENE-SUCCINIC ESTERS
Milton C. Kloetzel, Los Angeles, Calif., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application December 18, 1947, Serial No. 792,602
6 Claims. (Cl. 260—485)

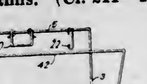
1. In the process for the preparation of alkylidenesuccinic esters of the formula



wherein R^1 represents a lower alkyl radical, R^2 and R^3 are selected from the group consisting of hydrogen and alkyl groups, the step which comprises causing a reaction between an ester having the formula

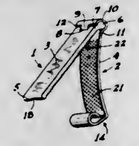


wherein R^1 represents a lower alkyl radical, and a nitroalkane of the formula



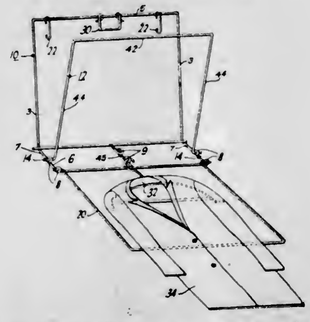
wherein R^2 and R^3 are selected from the group consisting of hydrogen and alkyl groups, by means of a dialkylamine, said dialkylamine being used in the proportion of at least one mole per mole of ester and three moles of nitroalkane.

2,498,372
CLAMPING DEVICE
Frederick F. Kortlucke, Jr., and Frank W. Stellwagen, Kew Gardens, N. Y.
Application October 4, 1946, Serial No. 701,374
6 Claims. (Cl. 128—346)



1. A clamp of the character described, comprising a pair of overlying arms, one of said arms being rigid and non-yielding, and the other of said arms being resilient, one of said arms being bowed toward the other arm longitudinally thereof, means connecting said pair of arms together at one end thereof, and means carried by said resilient arm to releaseably inter-engage said arms at the other end thereof said inter-engaging means including a laterally extending projection on said other end of said resilient arm, said projection extending towards said rigid arm, said projection terminating in an inwardly extending resilient element, said resilient element engaging the free side of the other end of said rigid arm when the clamp is in closed position.

2,498,373
PORTABLE WARDROBE
Robert B. Marsand, Bloomfield, N. J.
Application February 16, 1949, Serial No. 76,709
13 Claims. (Cl. 211—106)



1. A wardrobe assembly comprising a base unit and a side unit each made from wire, the sides

of said base unit being continuations of the legs of said side unit, an inverted U-shaped frame having legs with projecting end portions facing in opposite directions, said frame being at least in part a spring, said base unit comprising a rectangular frame having one pair of opposite sides looped at certain points to provide openings receiving said end portions and wherein said portions are pivotally engaged under stress of said spring with insertion of said end portions in said openings.

2,498,374
METHOD AND ARTICLE FOR TREATMENT OF MAMMARY GLANDS
Francis E. Martin, West Chester, Pa.
Application October 5, 1945, Serial No. 620,457
10 Claims. (Cl. 167—53.2)



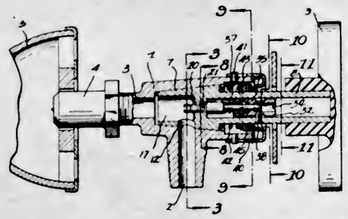
1. In a bougie intended for insertion through the streak canal and into the teat canal of a milk containing udder for the purpose of treating mastitis, said streak canal being encompassed by a sphincter muscle, the combination of: a carrier that is soluble in said milk, inert, non-irritating, and non-reactant with respect to the internal tissues of said udder; and an antibiotic medicinal agent homogeneously diffused throughout said carrier, said bougie having an elongated, slender formation with a cam surface at each of the opposite ends defining a point thereat, said bougie having a body consistency that is rigid at normal temperatures whereby the bougie is adapted for complete enclosure in said teat canal by first inserting one of said points into said streak canal, continuing the insertion by applying pressure to the bougie, with the insertion being completed by constrictive pressure on the cam surface of the other point by said sphincter muscle.

2,498,375
LADDER LOCK
Francis W. Moore, Tiffin, Ohio
Application September 19, 1946, Serial No. 697,875
10 Claims. (Cl. 228—1)



1. In a ladder having side strips and a member pivotally mounted on said strips, a locked rotary cam connected to the strips and member to be turned by pivotal adjustment of the strips and member with respect to each other, and a locking cam oscillatable about an axis which is at a fixed distance from and parallel with the axis of the locked cam, resilient means normally pressing the locking cam against the locked cam with the rises of the cams so related that turning of the locked cam in one direction tends to bring their rises together, and means to turn the rise of the locking cam away from the locked cam.

2,498,376
VALVE FOR GAS BURNERS
Ervin H. Mueller, Grosse Pointe, Mich.
Application July 24, 1946, Serial No. 686,031
2 Claims. (Cl. 277—41)

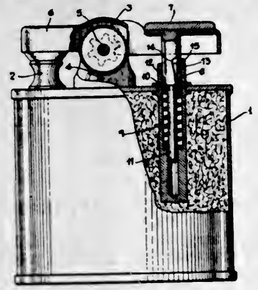


1. In a valve for controlling the flow of gas to a burner, said valve having a body, a valve member turnable in the body, and having a port and a passage which, in different positions of the valve member, provide relatively large volume and low volume flow of gas respectively, a cap for the valve body, a hollow stem on the valve member, a hollow secondary stem part slidably and non-rotatably connected to the stem and adapted to receive an operating handle, the secondary stem part having a flange inside the cap, locking means slidably and non-rotatably mounted on the stem, abutment means for engaging the locking means to lock the valve member against rotation, a spring positioned between the locking means and the valve member to normally hold the locking means in locked position and holding the flange of the secondary stem part against the inside of the cap, whereby axial movement of the secondary stem part against the spring disengages the said locking means from the abutment on the cap for the turning of the valve member, and metering means for the said passage comprising, elements mounted in the hollow stem for rotatable adjustment with respect to said passage and constructed to be engaged by a turning tool passed through the hollow secondary stem part.

2,498,377
LIGHTER ACTUATING MECHANISM
Warren I. Nissen, Newark, N. J., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application June 7, 1947, Serial No. 753,171
1 Claim. (Cl. 67—7.1)

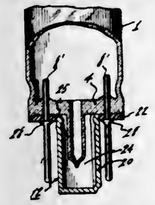
A cigar lighter having a casing, a wick tube, a sparking mechanism, and a reciprocable fingerpiece mounted on said casing, said fingerpiece being positively connected to said sparking mechanism to actuate the latter in moving from idle to active position, a guide plunger connected to said fingerpiece and extending into said casing, a spring surrounding said plunger to urge said fingerpiece toward idle position, and a relatively rigid latch piece having a base interposed between

said fingerpiece and spring, a shank receivable in a recess in said plunger, said latch piece also having a lug extending from said shank, said base being urged by said spring into a position wherein said lug engages the casing structure to prevent



movement of said fingerpiece toward active position, but said base being movable, under the building up of manual pressure upon the fingerpiece, to tilt said shank and lug into such recess and thereby release the fingerpiece for movement toward its active position.

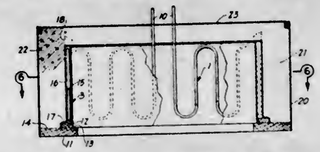
2,498,378
BASE MEMBER FOR ELECTRON DISCHARGE TUBES
George N. Phelps, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 24, 1946, Serial No. 664,466
3 Claims. (Cl. 250—27.5)



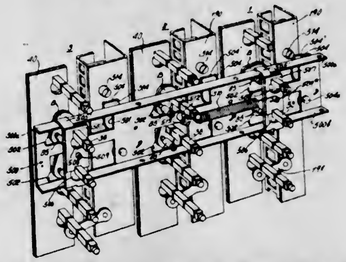
1. An electron discharge tube including a stem portion, a base member comprising a plate structure and a metal cup attached thereto, means fixing said plate structure in abutment against said stem portion, a plurality of lead pins sealed in said stem portion and extending through said plate and terminating beyond said plate in adjacent relationship with said cup, a portion of said cup positioned between two of said lead pins to provide electrostatic shielding therefor, said plate structure tightly embracing said lead pins intermediate the ends thereof.

2,498,379
REFRIGERATOR
Edward Oneal Sears, Oakland, Calif., assignor to June Sears White, Oakland, Calif.
Application May 11, 1946, Serial No. 669,005
4 Claims. (Cl. 62—99)

1. A structure for a refrigerator, comprising a flat bottom frame having a rectangular opening, a second frame superimposed thereon and dimensioned to recede from the inner and outer edges of the first frame, two shells secured to the second frame in telescoping relation to form a rectangular chamber, a refrigerating coil accommodated in said chamber, a top closure for the two shells, a third rectangular shell secured upon the outer edge of the first frame and projecting above the first two shells to form a second chamber around and above the said shells, insulating material disposed in the second chamber, and a cover for the third shell, the first frame forming a door opening for the structure when the latter is turned upside down.

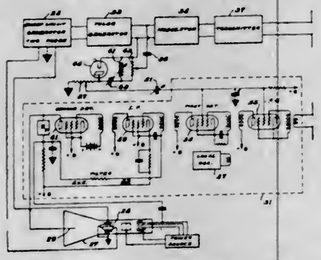


2,498,380
SAFETY MECHANISM TO PREVENT OVER VOTING IN VOTING MACHINES
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 2, 1948, Serial No. 30,693
8 Claims. (Cl. 235—55)



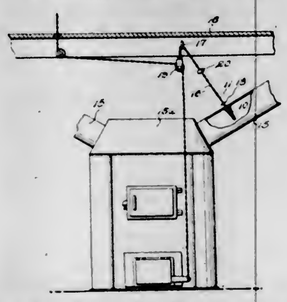
5. In a voting machine, a column of voting spindles, an arm fixed to each spindle, a finger on each arm extending parallel to the spindle axis, straight ticket operating means including a vertically movable plate for operating predetermined of the voting spindles in the column simultaneously to vote recording position and biased for self-restoration upon release after a voting operation, a safety member slidable at right angles to said spindles from a first position to a second position and having apertures for passage through each of one of said spindles, a spring-biased pawl pivotally secured to said safety plate, a stop member on said vertically movable plate, said safety member being slidable from its first position to its second position by the action of one of said fingers upon a wall of the aperture through which the spindle bearing it passes upon operation of the latter spindle to a vote recording position, said pawl being positioned on said safety member to yield in opposition to its spring bias upon engagement with said stop member during sliding movement of said safety member from its first position to its second position, and said pawl upon self-restoration of the said vertically movable plate underlying said stop member to then lock said vertically movable plate against further straight ticket voting operations while said second position of said safety member is maintained by said last-named spindle.

2,498,381
RADIO ECHO DISTANCE MEASURING DEVICE
Rogers M. Smith, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1939, Serial No. 267,475
6 Claims. (Cl. 343—5)



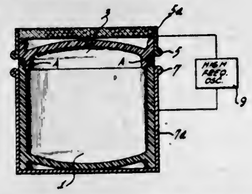
6. In a receiver for receiving pulses of radio frequency energy reflected from a reflecting object which pulses have been periodically radiated toward said object, means for controlling the sensitivity of said receiver, means operable upon said controlling means cyclically and in synchronism with said radiated pulses for varying said sensitivity gradually in value over an interval falling within the period between the termination of a radiated pulse and the start of the next successive radiated pulse, said sensitivity varying means thereby varying the sensitivity of said receiver from a comparatively low value at the time immediately following a pulse radiation to a comparatively high value at a later time during said period, and wherein said receiver comprises a plurality of stages having at least one stage including said cyclic sensitivity control, an automatic volume control, and means for applying said automatic volume control to said receiver.

2,498,382
HEAT-FUSIBLE SAFETY LINK FOR INSERTION WITHIN A HOT-AIR CONDUIT OF A HEATING SYSTEM
Albert M. Smith and Edward Hart, Columbus, Ohio
Application March 25, 1946, Serial No. 656,814
4 Claims. (Cl. 126—287.5)



1. In combination with a hot air conduit of a furnace, a fusible link comprising an elongated metallic rod formed at one end with a hook, and a V-shaped barb member united with the opposite end of said rod by a fusible heat-softening material, said barb member being located within said conduit and being formed with a pair of angularly related resiliently movable arms extending backwardly along said rod and terminating in end portions disposed in spaced longitudinal angular relation to said rod, the arms of said barb member being resiliently movable into substantially parallel positions alongside of said rod to permit insertion thereof through a relatively small opening formed in said conduit, and when once inserted being adapted to spring apart and engage the inner wall of the conduit to prevent withdrawal of said link through such opening prior to the softening of the material uniting said barb member with said rod.

2,498,383
ELECTRONIC HEATING APPARATUS AND METHOD
Theodore H. Story, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1945, Serial No. 625,915
4 Claims. (Cl. 219—47)

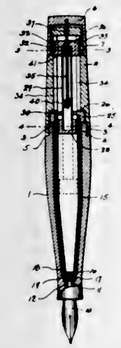


1. In electronic heating apparatus for localized heating of a dielectric article, a pair of spaced opposed heat conductive electrodes both adapted to be applied to one surface of said article in heat conductive engagement therewith and to have set up therebetween a high frequency electric field having a stray component for linking said article and heating the region thereof between said electrodes, said electrodes being elongated and extending in opposite directions with respect to said field to lie along said surface of the article in heat conductive contact therewith whereby the stray field component is reduced in density and the heating effect thereof is controlled within desired limits.

2,498,384
FOUNTAIN PEN
Peder L. Wikheim, Seattle, Wash.
Application January 12, 1946, Serial No. 640,917
2 Claims. (Cl. 120—47)

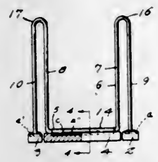
1. A pen comprising a tubular barrel having a tubular lower end section mounting an axially channeled pen nib in its lower end, a tubular upper end section, threaded at its lower end onto the said lower end section and having a closed upper end formed with a central opening and having longitudinally extending keyways formed interiorly thereof, a cap removably applied to the upper end of said upper end section, a cylindrical ink container removably fitted within the lower end section of the barrel, having a lower end filling opening through which the nib will be fed, a cap applied to the upper end of the ink container to seat against the end of the lower section and having a central opening therein and said upper end section of the barrel having a shoulder therein to engage against said cap to hold the ink container seated in the barrel; a piston reciprocally fitted in the ink container, a tubular piston rod extended from the piston

and through the container cap opening and having an internally threaded outer end portion, a cross head fixed on the outer end of the piston rod and engaging the keyways, an extension rod telescopically applied to the piston rod and extended through the outer end opening of the



outer section of the barrel and fixed to the cap thereon, said rod having a threaded head at its lower end adapted to be engaged with the threaded end of the tubular rod, when the barrel cap is removed and said rod drawn out, thus to provide an actuating means for the piston.

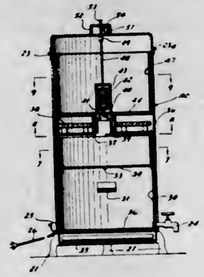
2,498,385
WASTE RETAINER FOR JOURNAL BOXES
James G. Williams, Sparks, Nev.
Application August 21, 1944, Serial No. 550,478
1 Claim. (Cl. 308—89)



A waste retainer for a journal box comprising a vertical U-shaped member having a transverse horizontal bight and vertically extending arms, reverted downwardly extending members formed on said arms, rearwardly extending horizontal members extending from the lower end of said reverted members and supporting members carried by said bight and said rearwardly extending members.

2,498,386
COFFEE-MAKING APPARATUS
Victor R. Alexander, Independence, Mo.
Application November 19, 1945, Serial No. 629,399
1 Claim. (Cl. 99—282)

In a coffee maker, an outer receptacle having a cover and upper and lower heating elements enclosed in chambers and secured to said outer receptacle, a lower receptacle being removably positioned in said outer receptacle above said lower heating element, said lower receptacle having a coffee basket attached thereto, an upper receptacle positioned above said upper heating element, thermostatic means positioned in said upper receptacle, a plurality of restricted flow apertures communicating with the interior of said upper receptacle, a valve controlling flow through said apertures from said upper receptacle through said coffee basket into said lower receptacle, said thermostatic means controlling said valve, said thermostatic means operatively engaging a two-way switch on said cover having contact portions extending interiorly thereof, said two-way switch both controlling alternately the energization of



said upper and lower heating elements and said thermostatic means, said two-way switch having manually operated means positioned exteriorly of said outer container, said two-way switch, said thermostatic means, and said valves providing either automatic or manual means for both controlling flow from said upper container through said coffee basket to said lower container, and means for selectively energizing said heating elements.

2,498,387
BLUE GLASS AND METHOD OF MAKING
William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application September 29, 1947, Serial No. 776,861
3 Claims. (Cl. 106—53)

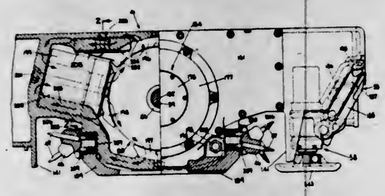
2. A blue glass composed of 15% to 76% SiO_2, 12% to 80% B_2O_3, 2% to 18% alkali metal oxide selected from the group consisting of K_2O, Na_2O, Li_2O and mixtures of a plurality thereof, Al_2O_3 in an amount up to 5%, cobalt oxide in an amount less than 0.3%, and chlorine, the amount of chlorine, analytically determined and computed as Cl, being slightly in excess of the stoichiometric amount required to form $CoCl_2$ with the cobalt in the glass, said glass also containing a divalent metal oxide selected from the group consisting of BeO, CaO, ZnO, SrO, CdO, BaO, and PbO in an amount less than 1%.

2,498,388
EXPLOSIVE COMPOSITION
Alpheus M. Ball, Blacksburg, Va., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
No Drawing. Application June 8, 1945, Serial No. 598,420
3 Claims. (Cl. 52—7)

1. A thick-web powder grain of web thickness of not less than about 0.20 inch comprising a colloided mixture of nitrocellulose and nitroglycerin, and from about 1% to about 10% by weight of a finely divided salt selected from the group consisting of potassium sulphate, potassium nitrate and barium nitrate uniformly incorporated therein, at least 80% by weight of said

salt having a particle size no greater than about 60 microns mean diameter and substantially all of the remainder having a particle size no greater than about 80 microns mean diameter.

2,498,389
ELECTRIC MOTOR FRAME CONSTRUCTION
Walter J. Bauroth, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application September 11, 1947, Serial No. 773,336
6 Claims. (Cl. 171—252)

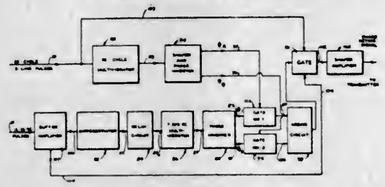


1. An electric motor including a main frame, a field pole magnetically connected to said main frame, an energizing winding for said field pole, an armature adjacent said field pole, said armature, field pole and main frame all containing magnetic material and providing a path for magnetic flux induced by said energizing winding, said main frame having walls on opposite sides of said pole and winding, each having a relatively small cross-sectional area adjacent and substantially parallel said field coil on opposite sides thereof to provide a restricted dimension along one axis perpendicular to the axis of said pole which area is inadequate to carry the magnetic flux developed by said winding without tending to saturate it magnetically, and means including projecting ribs of magnetic material inside said opposite walls and laterally of said poles and windings relative to said restricted dimension axis added to said frame at said area of relatively small cross-sectional area and substantially parallel with said energizing winding to provide adequate total cross-sectional area of magnetic material in said flux path to prevent said tendency to saturate.

2,498,390
PREPARATION OF 7-DEHYDRO-CHOLESTERYL ESTERS
Seymour Bernstein and Karl J. Sax, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 14, 1948, Serial No. 2,335
8 Claims. (Cl. 260—397.2)

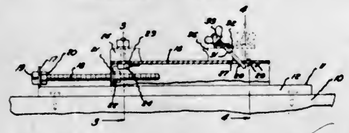
1. The process of preparing a 7-dehydrocholesteryl ester which comprises heating and illuminating a mixture of a cholesteryl ester and N-bromosuccinimide in a saturated hydrocarbon solvent for a period of from 30 seconds to 1 hour, adding to the hot mixture a tertiary amine, cooling said mixture, filtering, removing said hydrocarbon solvent in vacuo, dissolving the brominated cholesteryl ester in a stable hydrocarbon solvent having a boiling point range between 100° and 150° C. in the presence of a tertiary amine, heating the mixture to within the range of 100° to 150° C. for from 5 minutes to 2 hours, removing said tertiary amine in the form of its acid salt and recovering the 7-dehydrocholesteryl ester.

2,498,391
TELEVISION ECHO SUPPRESSION SYSTEM
Frank J. Bingley, Philadelphia, and Newland F. Smith, Jr., Abington, Pa., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 22, 1945, Serial No. 584,112
5 Claims. (Cl. 178—7.2)



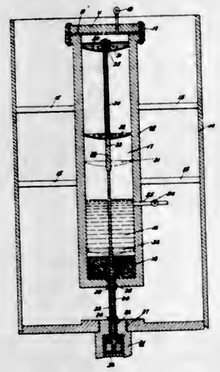
1. In a television system, a source of carrier current, a source of horizontal synchronizing pulses, a differentiator circuit, a buffer amplifier for applying said synchronizing pulses to said differentiator circuit, a delay circuit connected to said differentiator circuit for providing sharp pulses occurring at the lagging edge of said synchronizing pulses, a multi-vibrator operating at half the frequency of said synchronizing pulses activated by said delayed sharp pulses, a phase inverter connected to said multi-vibrator for producing two series of square waves in opposition to each other, a pair of gate circuits individually energized by said series of square waves for sequentially opening said gate circuits, a source of vertical synchronizing pulses, a multi-vibrator energized by said vertical synchronizing pulses for produoing square waves in accordance with the frequency of said square waves, a phase inverter for generating signals of two phases from said square waves having a frequency in accordance with the vertical synchronizing pulses, means for supplying said signals of two phases of the vertical synchronizing pulses individually to each of said gate circuits, the first of said phases being fed therethrough when its associated gate is operative and the other of said phases being fed through its associated gates when its gate is operative, and means for controlling the phase of said carrier current in accordance with the signals fed from said gates.

2,498,392
ADJUSTABLE MOTOR BASE
William J. Boyle, St. Louis, Mo.
Application February 6, 1947, Serial No. 726,844
4 Claims. (Cl. 248—23)



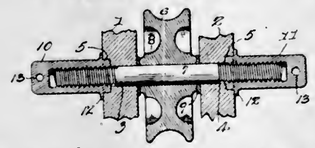
1. An adjustable motor base comprising a casing, a supporting portion, said casing having a plurality of aligned anchoring bolt-receiving slots located near one end thereof and extending transversely of said casing, motor-anchoring bolts passing through said slots, pivoted motor-anchoring means secured to said casing and mounted for forward and rearward swinging motion for adjustable clamping engagement with motors of various base lengths, and means engaging said pivoted motor-anchoring means for clamping the anchoring means in engagement with a motor base.

2,498,393
AGITATING DEVICE
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1946, Serial No. 709,447
13 Claims. (Cl. 259—113)



1. Apparatus comprising a liquid-container structure, a buoyant agitator unit within said container structure and comprising a stirrer and a magnetic core continuously immersed in liquid in said container structure, and solenoid means in inductive relation to said core and intermittently energized repeatedly to effect downward movement of said unit, the buoyancy of said unit effecting its upward movements.

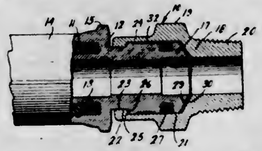
2,498,394
COMBINATION ROLLER CHOCK AND MOORING BITTS
John M. Coffin, Silver Spring, Md.
Application April 27, 1948, Serial No. 23,594
7 Claims. (Cl. 114—218)



1. In an appliance as described, the combination with a bifurcated head, an axle mounted in the head with projecting ends, and a sheave journaled on the axle within the bifurcated head, of a pair of tubular bitts mounted on the projecting ends, and means for fastening the bitts on said ends.

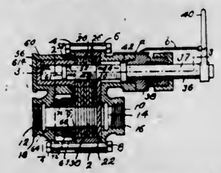
2,498,395
HIGH-PRESSURE SWIVEL HOSE COUPLING
George R. Coss, St. Clair Shores, Mich., assignor to Flex-O-Tube Company, Detroit, Mich., a corporation of Illinois
Application November 21, 1946, Serial No. 711,452
2 Claims. (Cl. 285—75)

1. In a swivel coupling assembly a tubular body having a stem or head projecting axially from one end thereof and formed with a radially opening groove at its base, a swivel member rotatably encircling said head and having a radially inwardly extending annular flange at its inner end interlockingly received within said groove, said swivel member having a relatively thin skirt portion adjacent to said flange and said flange being substantially wider and thicker than the thickness of said skirt portion whereby to resist deformation out of said groove by axial thrust imposed thereon during use and tending to draw the body and swivel member apart, said flange being contracted radially into said groove from an initially greater diameter and holding said skirt to a close swivel clearance relative to the



head, and a sealing ring between the bearing surfaces of said head and said swivel member axially spaced inwardly from said groove and adapted to be wedged into fluid tight, sealing relation within said clearance by internal fluid pressure from within the coupling, the opposed, radial, bearing surfaces of the head and the swivel member having a clearance groove intermediate the flange-receiving groove and the sealing gasket to prevent binding between said skirt portion and said head.

2,498,396
VALVE
James L. Cunningham, Kansas City, Mo.
Application June 11, 1945, Serial No. 598,785
6 Claims. (Cl. 251—18)



1. A valve comprising a casing having an inlet and an outlet, a closure plate operably mounted in the casing and provided with an orifice adapted to register with the inlet, an orifice plate operably mounted in the casing and provided with two spaced orifices of unequal size, and manually controlled selective means rotatably and slidably mounted in the casing and engaging the closure plate to adjust it to closed or open position independently of the orifice plate, said selective means also being adapted to be slid into engagement with the orifice plate and operate it simultaneously with the closure plate to carry either of its orifices into registery with the inlet opening.

2,498,397
TOOL FOR SHEET METAL WORKERS
Walter J. Daly, Waterbury, Conn.
Application October 10, 1946, Serial No. 702,548
2 Claims. (Cl. 33—27)

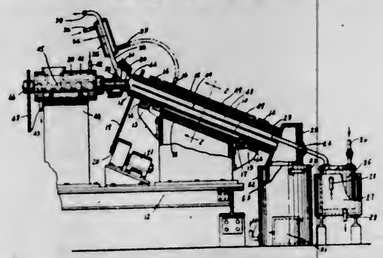
1. A scribing tool having a body portion comprising a flat plate-like member having an integrally formed end portion projecting laterally from the body portion, said end portion being formed with a scribing point, a gauge element having a straight edge extending transversely of the body and projecting therefrom, means for adjustably securing said gauge element flatly against one face of the body portion, said gauge

element comprising a flat member of sheet material having its straight edge upon the side facing the point of the end portion and being pointed on its projecting end, the projecting end of the gauge element being disposed at a greater



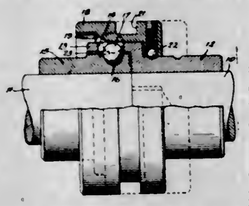
distance from the adjacent edge of the body portion than is the point of the end portion, and said body portion having a laterally extending flange along the opposite edge thereof against which one edge of the gauge element is abutted.

2,498,398
RECLAIMING COMPOSITE MATERIAL
Paul J. Dasher, Willoughby, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 3, 1946, Serial No. 659,403
12 Claims. (Cl. 260—711)



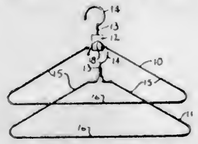
1. In the method of processing composite material comprising rubber material and cellulosic fiber, the steps which comprise providing said composite material in a comminuted condition and subjecting said composite material to aqueous vapors of a mineral acid for a period of time less than five minutes to degrade said cellulosic fiber to a friable condition without substantial carbonization thereof while maintaining said composite material at a temperature above the boiling point of a constant boiling aqueous solution of said acid, said composite material being in an essentially dry condition during and after treatment with said vapors.

2,498,399
TRANSVERSELY ENGAGING POSITIVE CLUTCH
Adiel Y. Dodge, Rockford, Ill.
Application June 11, 1945, Serial No. 598,873
5 Claims. (Cl. 192—71)



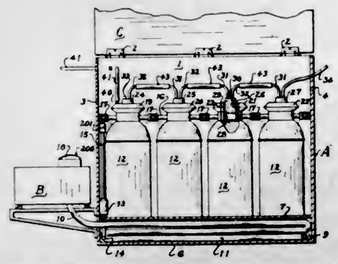
1. A clutch for connecting driving and driven shafts comprising an annular sleeve connected to one of the shafts and formed with a plurality of substantially radial openings therethrough, a hub rotatable in the sleeve and formed in its periphery with a plurality of depressions adapted to register with the openings, balls movable in the openings, a cam collar slidable on the sleeve formed with an internal cam surface to engage the balls and cam them into the depressions, and a ring rotatably mounted between the sleeve and the hub having axially projecting parts to engage the balls and hold them yieldingly out of the depressions.

2,498,400
SUPPORT FOR GARMENT HANGERS
Miriam A. Du Lude, St. Paul, Minn.
Application February 7, 1948, Serial No. 6,839
2 Claims. (Cl. 223—88)



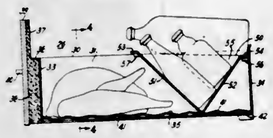
1. A device to be mounted on a garment hanger including a hanger supporting length, a supporting hook above and rigid with said hanger supporting length and substantially alined, outwardly extending lengths below and rigid with the garment supporting length, comprising a block of material constituted as an upwardly opening hook portion disposed at a forward portion of said block and an elongated body disposed at a rearward portion of the block having a longitudinally extending opening therethrough adapted to receive said hanger supporting length and a transversely extending slot in a lower portion thereof adapted to receive inner end portions of said substantially alined, outwardly extending lengths, said longitudinally extending opening and said transversely extending slot being in alined relation in direction longitudinally of said elongated body, the lower end of said longitudinally extending opening being contiguous with an intermediate portion of said transversely extending slot and the base of said transversely extending slot being defined by a lower end wall of said elongated body.

2,498,401
MILKING SYSTEM AND APPARATUS THEREFOR
George R. Duncan, Washington, Mo.
Application April 25, 1949, Serial No. 89,375
14 Claims. (Cl. 226—116)



6. In a system for simultaneously milking a domestic farm animal and for filling a plurality of milk cans, in combination, a plurality of milk cans having covers, a milking machine having a milk conduit, a vacuum conduit; conduit means including said conduits first named for connecting said interiors of said milk cans through the covers thereof and connecting the interiors of said cans in series to each other, said conduit means extending into the interior of each can and having openings located closely adjacent to each other, and means defining a restricted chamber extending below said openings, said chamber having at least one opening located below said pair of openings, said opening located below said pair of openings being of larger size than either of the openings of said pair of openings.

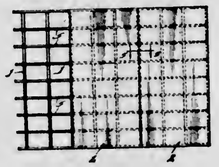
2,498,402
ARTICLE RACK FOR DRAWERS
Guyon L. C. Earle, Forest Hills, N. Y., assignor, by mesne assignments, to Earle Kitchen Unit Corporation, New York, N. Y., a corporation of New York
Continuation of application Serial No. 543,139, July 1, 1944. This application March 14, 1946, Serial No. 654,278
6 Claims. (Cl. 45—7)



1. A cabinet drawer including front, back, bottom and side members and an article supporting member therein comprising a first member, inclined with respect to the horizontal, for supporting the sides of bottles and the like, said first member having a multiplicity of corrugations therein running in a direction parallel to the sides of the drawer, a second member, positioned to make an angle of substantially 90 degrees with respect to said first member, for supporting at least a portion of the lower part of each of said bottles and the like, a substantially horizontal ledge member at the top of the second member and extending rearwardly towards said back member for supporting the lower portions of other bottles and the like and a second ledge member at the top of the first inclined member and extending forwardly thereof for supporting the upper portions of all those bottles and the like whose lower portions are supported by said second ledge member and whose upper portions are not supported by and between the upper portions of adjacent ones of said first-mentioned bottles and the like, each of said ledge members having a multiplicity of corrugations therein running in a direction parallel to the sides of the drawer.

2,498,403
METHOD OF FACING FRAME STRUCTURES
Armin Elmendorf, Chicago, Ill.
Application April 19, 1946, Serial No. 663,471
3 Claims. (Cl. 20—4)

1. The method of facing the side of a wall containing parallel studs spaced apart and having faces exposed on said side of the wall; which consists in covering said side with wood strips placed against said faces of the studs in parallelism with each other, extending crosswise of the studs and spaced apart lengthwise of the studs to form a ladder-like structure with the same; nailing the strips to the studs; applying adhesive to the outer sides of the strips and to the backs of panels composed of a single layer of wood veneer from one twelfth inch to one quarter inch



thick bonded to a paper backing; and pressing the backs of the panels against said strips, with the wood grain running transversely of the latter, to secure the panels and strips together.

2,498,404
LOOSE-LEAF BINDER
James A. Erwin, Oak Park, Ill.
Application December 21, 1945, Serial No. 636,292
2 Claims. (Cl. 129—24)

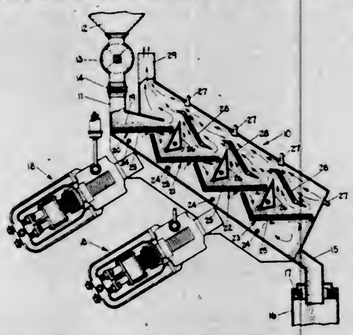


1. In a loose leaf binder of the class described having a flexible back and two covers which fold upon themselves with the flexible back centrally thereof to form a book, an integral transversely inwardly curved elongated troughlike supporting member for attachment with its convex face to the concave side of the flexible back of said binder inside thereof, said integral troughlike supporting member forming a straight longitudinally extending edge which faces the inside of one of said covers adjacent one longitudinal margin of said flexible back and forming a plurality of longitudinally spaced hinge ears which face the inside of the other cover adjacent the other longitudinal margin of said flexible back, an elongated integral clasp member comprising a longitudinally extending connecting portion forming a plurality of longitudinally spaced hinge ears for axial coacting alignment with corresponding hinge ears of said supporting member and also forming a plurality of outwardly curved fingers which are adapted to extend through perforations in leaves to be inserted and removably held in said binder, a hinge pin extending through the axially aligned hinge ears of said integral supporting member and of said integral clasp member, respectively, and coiled spring means carried by said hinge pin, the free ends of said spring means engaging portions of said clasp member and of said supporting member, respectively, for urging the free ends of the fingers formed by said clasp member against said supporting member at the straight edge thereof.

2,498,405
CONTINUOUS VIBRATING REACTION CHAMBER
Edmund F. Fader, Philadelphia, Pa., assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application March 11, 1946, Serial No. 653,683
6 Claims. (Cl. 23—252)

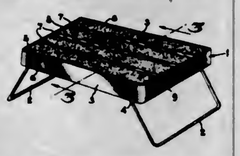
1. A continuous reaction chamber including an enclosed chamber having material feed and discharge openings, a plurality of individual successively spaced apart material supporting cascaded and stair like trays in said chamber each

successively below the other over which a bed of material is adapted to flow successively in the same direction while dropping from one tray to another, motor means for imparting the same vibratory motion to said chamber and each of said trays which motion has both vertical and horizontal components of movement relative to said trays whereby all the material is given a positive conveying action independently of gravity and in the same direction by said vibratory motion of each of said trays and is also fluidized so that individual particles are turned over and



over during the conveying action, deflector means spaced from and adjacent the discharge end of a tray and interposed between at least two trays over which material flows and having a rearwardly and downwardly sloping wall to produce a flow of material with a reverse horizontal component relative to the general direction of flow thereof over said trays, means for conditioning the temperature of said trays and said deflector means, and means for introducing a gaseous reaction reagent into said chamber and below said trays.

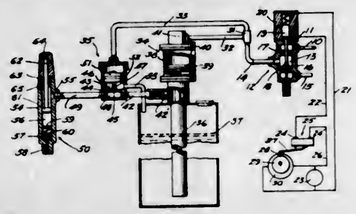
2,498,406
DEMONSTRATION DEVICE
Samuel C. Fay, Cincinnati, Ohio, assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio
Application March 9, 1948, Serial No. 13,867
4 Claims. (Cl. 35—55)



1. A device for demonstrating the efficacy of insulation for fire-proofing frame building construction, said device comprising a tray, a plurality of miniature joists contained in said tray, and insulating material packed about said miniature joists.

2,498,407
MEANS OF METERING AND DELIVERING LUBRICANTS AND THE LIKE
Charles A. Fine, Los Angeles, Calif.
Application October 30, 1943, Serial No. 508,451
1 Claim. (Cl. 184—7)

A device for delivering measured quantities of a fluid from a supply source to a given point at recurrent intervals, which device includes a storage tank for said fluid, an air pressure operated pump for discharging fluid from said tank, a fluid discharge conduit connected at one end to said pump, a metering valve connected to the opposite end of said fluid discharge conduit, said metering valve being characterized as operating under fluid discharge pressure to discharge a measured quantity of fluid from the valve and to refill the valve, a relief valve structure disposed at a point in the length of the fluid discharge conduit, a check valve interposed in the fluid discharge conduit between the pump and the relief valve and opened under pump pressure, a vent conduit leading from the relief valve structure to the storage tank, a relief valve element normally to prevent communication between the fluid discharge conduit and the vent conduit, a motive air supply conduit for connection with a source of air under pressure, a solenoid operated valve connected to said air supply conduit, two air feed conduits connected in parallel to said solenoid valve, one of said air feed conduits connected to deliver air to the pressure operated pump and the other air feed conduit connected to deliver air to the pressure operated pump and the other

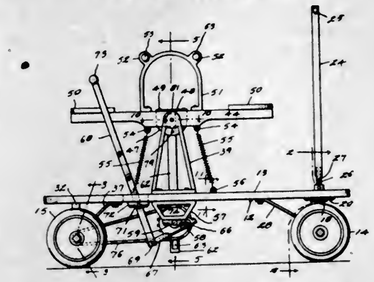


air feed conduit connected to deliver air to the relief valve tending to close the same, a bleeder conduit for bleeding air from the solenoid actuated valve structure, valve means forming a part of said solenoid actuated valve structure and movable to alternate positions for establishing communication between the supply conduit and the feed conduits or between the bleeder conduit and the feed conduits, an electric circuit including the solenoid valve and a source of electric supply, and an intermittently operated synchronous switch, means for periodically actuating said switch to move and hold the solenoid valve in one position for a predetermined period of time to connect the supply conduit to the feed conduits to thereby energize the fluid operated pump and close the relief valve, said period of time being sufficient to actuate the pump to force into said fluid discharge conduit the quantity of fluid required to discharge the metering valve, refill the metering valve and create sufficient pressure in said discharge conduit for opening the relief valve after said period upon the opening of said switch and movement of the solenoid valve means to its other or bleeding position.

2,498,408
ANTISTATIC TEXTILE MATERIALS
Arthur L. Fox, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 6, 1945, Serial No. 633,266
7 Claims. (Cl. 117—139.5)

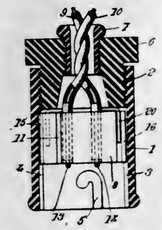
1. Textile material containing from about 99 to about 90 parts of a textile lubricating oil and from about 1 to about 10 parts of a dialkyl acid o-phosphate wherein one of the alkyl groups has from 6 to 18 carbon atoms and the other from 1 to 4 carbon atoms, the quantity of dialkyl acid o-phosphate present ranging from about 0.1% to about 10%, based on the weight of the treated material, so as to be sufficient to prevent the accumulation of electrical charges in said textile material.

2,498,409
TOY VEHICLE
Clarence B. Franklin, Inkster, Mich.
Application September 18, 1946, Serial No. 697,677
2 Claims. (Cl. 280—222)



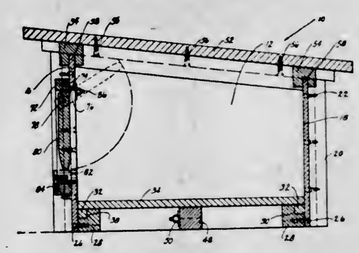
1. In an occupant propelled mobile toy, a wheeled platform, a see-saw mounted for oscillating movement thereabove and adapted to support and be actuated by one or a plurality of occupants of the vehicle, and power transmitting and translating means connecting said see-saw to a ground wheel of the vehicle for propelling the vehicle, said transmission means including a crank shaft, a connecting rod slidably and rotatably connected to a crank of the shaft adjacent one end thereof and detachably fixed to the see-saw adjacent its opposite end whereby the connecting rod will be oscillated with the see-saw to revolve the crank shaft.

2,498,410
ELECTRICAL CONTACT DEVICE
André Gavallet, Paris, France
Application October 9, 1945, Serial No. 621,293
In France August 1, 1945
4 Claims. (Cl. 173—328)



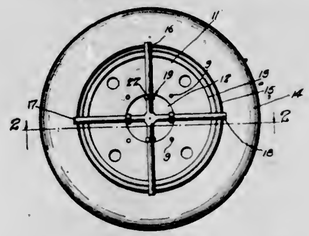
1. An electrical contact device comprising an external holder, means on said holder for securing an electrical device, a cylindrical slidable block piston having flat end surfaces in said holder, said block piston having a plurality of openings therein for passage of wires therethrough, a pressure plug adjustably mounted on said holder, means for adjusting said pressure plug, and wires passing through said openings in said block piston having a portion thereof extending along each said flat end surface, said portions of said wires on one said flat end surface being free of insulation for providing adequate electric contact, said pressure plug adjustably pressing against said slidable block piston for urging the same into engagement with an electrical device and for securing said wires against displacement.

2,498,411
COLLAPSIBLE CANINE KENNEL
Oliver H. Geib, Corunna, Mich.
Application May 10, 1946, Serial No. 668,936
1 Claim. (Cl. 20—2)



A structure of the character described, comprising side, front and rear walls, vertically disposed posts secured along the side edges of the front and rear walls, grooves in said posts, removably receiving the edges of said walls to form a rectangular enclosure, a removable floor, horizontally disposed strips on said walls for supporting said floor, recesses in said horizontally disposed strips at the wall side thereof, marginal edge framing strips on said floor received in said recesses to retain said rectangular enclosure in alinement at all sides thereof, a horizontally disposed brace on the undersurface of said floor parallel to the horizontally disposed strips on the front and rear walls, sliding bolts on said brace engageable in holes in the horizontally disposed strips on the side walls for retaining said floor in position, a removable roof and a rectangular frame on the under side of said roof having downwardly opening slots receiving the upper edges of said walls for retaining said roof in position.

2,498,412
LOCK RING SAFETY BAR FOR TIRES
Halbert B. Gilpatrick, Broadbent, Oreg.
Application June 29, 1948, Serial No. 35,815
2 Claims. (Cl. 152—405)



1. In a vehicle wheel, the combination with a disc provided with an aperture therein, an annular shoulder on said disc, a pneumatic tire on said

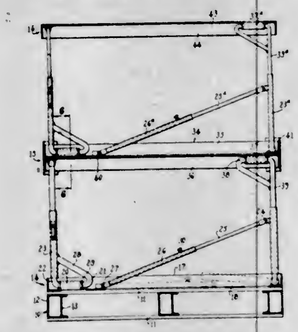
wheel, and a lock ring interposed between said tire and said shoulder, of a safety device for preventing accidental loss of said lock ring, said device comprising a first bar, a pair of aligned bars arranged at right angles with respect to said first bar and secured thereto, said bars being arranged in side by side relation with respect to said wheel disc and the ends of said bars projecting beyond said lock ring, and slide hooks carried by said bars for maintaining said bars in side by side relation with respect to said disc.

2,498,413
DOMESTIC UTENSIL SET
Marvin I. Glass, Chicago, Ill.
Application July 16, 1947, Serial No. 761,390
2 Claims. (Cl. 211—60)



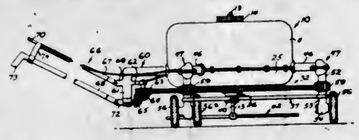
1. A children's domestic utensil set comprising a horizontal base, a vertical support integrally attached to said base, said support having a portion of a design in relief thereon, the top edge of said portion forming a transversely horizontal seat, attaching means on the back of said vertical support adapted to releasably engage cooperating means on a spoon and fork for the vertical support thereof, the handles of said spoon and fork having a laterally projecting completing portion of said design in relief, the lower edge of which extends transversely horizontal and rests on said seat.

2,498,414
COLLAPSIBLE LOADING AND STORING DEVICE
Rudolph Gondar, Stratford, Conn.
Application May 10, 1945, Serial No. 593,033
10 Claims. (Cl. 220—8)



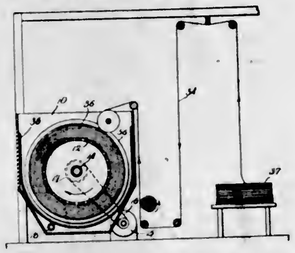
3. A device for transporting stacked articles comprising a lower frame member of substantially rectangular form, an upper frame member of similar form, leg elements pivoted to each of said frame members and projecting toward the other member, the leg elements of one member being telescopically received within those of the other member to provide an extensible rigid connection between said members and each frame member having bordering flanges within which lie the pivot points of the leg members.

2,498,415
ROTATING CUTTING DISK TYPE LAWN MOWER
Roland E. Gunther, Oceanside, N. Y.
Application April 16, 1947, Serial No. 741,794
3 Claims. (Cl. 56—25.4)



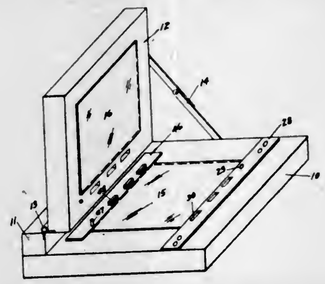
3. A powered mower comprising a generally circular horizontal housing, a motor mounted therein, a plurality of circumferentially spaced wheel units mounted around and outwardly of the perimeter of said housing, each wheel unit comprising a lower portion turnable on a vertical axis relative to the upper portion thereof, a ground engaging wheel mounted on the lower portion of each unit, driving means operatively connected between each wheel and said motor for driving said wheels together to move the mower over the ground, and steering means operatively connected to said turnable lower portions whereby said wheels are turned together in any direction for steering said mower in its movement over the ground including a large ring gear extending outwardly of said housing and a pinion mounted upon each of said lower portions and meshing with said ring gear, said wheels units having laterally projecting stub axles on which the wheels are mounted at one side of the vertical turning axes of said wheels.

2,498,416
METHOD OF DECATING FABRICS
Wilfred N. Hadley, Springfield, Vt., assignor to Parks & Woolson Machine Co., Springfield, Vt., a corporation of Vermont
Application June 12, 1947, Serial No. 754,174
1 Claim. (Cl. 26—1)



A method of decating textile fabrics, which consists in wrapping an open strip of fabric in flat and direct overlapping relation on and about a foraminous cylindrical surface to form a cylindrical fabric body of substantial diameter and length on said cylindrical surface, enclosing and highly compressing said body uniformly and continuously at and throughout its outer cylindrical surface by continuous pressure contact of a smooth, cylindrical and unyielding foraminous surface with said outer cylindrical surface, and forcing decating fluid under high pressure radially through said foraminous surfaces and said cylindrical fabric body while holding the body highly compressed radially and uniformly by and between said foraminous surfaces.

2,498,417
REGISTERING AND PRINTING FRAME
Richard Mance Haff, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application May 3, 1944, Serial No. 533,859
12 Claims. (Cl. 164—85)



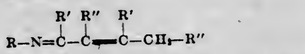
1. A photographic printing frame including in combination a base and a cover, a window in the base and another window in the cover, punching means and locating means for paper and negatives to be printed, said punching means including a die bar and a punch carrying bar, a plurality of punches guided within the punch bar and registering with cooperating holes in the die bar, one of said punches being circular and the other being rectangular in shape, the locating means comprising a bar at the opposite side of the base and having a plurality of projecting pins for engaging the perforations in the paper and negatives, said pins corresponding in spacing and in shape to the spacing and shape of the perforations made by the punches in the die.

2,498,418
PRODUCTION OF AZO DYESTUFF IMAGES FROM N-ACYL-N-ARYL HYDRAZINE DEVELOPERS
William E. Hanford, Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 18, 1948, Serial No. 27,818
15 Claims. (Cl. 95—88)

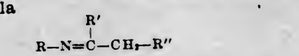
1. The process of producing azo dyestuff images in a photographic element which comprises developing a reducible silver salt image selected from the class consisting of reducible silver halide and silver ferrocyanide with an asymmetrical N-acyl-N-aryl hydrazine in which a terminal group is primary amino while reacting the oxidation products produced from said N-acyl-aryl-hydrazine by such development with a non-quinone-forming phenol as an azo dye coupling component to produce an azo dyestuff in situ with the resulting metal image.

2,498,419
METHOD OF PREPARING UNSATURATED IMINES
Vernon E. Haury, Simi, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 19, 1947, Serial No. 792,845
12 Claims. (Cl. 260—566)

5. A process for the production of an imine of the general formula

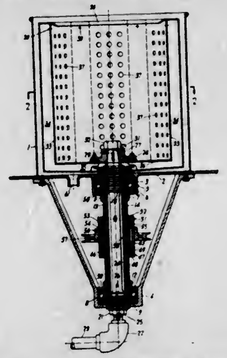


wherein R is a hydrocarbon radical containing not more than one olefinic double bond and R′ and R″ are members of the group consisting of the hydrogen atom and the saturated hydrocarbon radicals, which comprises heating an imine of the formula



at a temperature at which an amine of the formula R—NH_2 distills from the reaction mixture under the existing pressure.

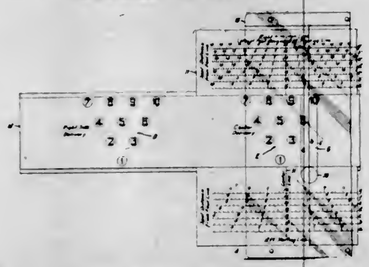
2,498,420
COMBINATION CLOTHES WASHER AND EXTRACTOR
George T. Hemmeter, Berkeley, Calif.
Application July 17, 1944, Serial No. 545,328
26 Claims. (Cl. 68—24)



11. A combination washer and extractor comprising: a cylindrical casing; coaxial trunnion bearings resiliently mounted in either end of said casing; trunnions mounted in each of said bearings; a basket mounted on and between said trunnions; a valve sleeve supporting member surrounding each of said trunnions and secured to said casing for vertical adjustment therewith; a valve sleeve journaled in said supporting member; an elastomer liner bonded to and within each of said valve sleeves in sealing engagement with its associated trunnion and secured thereto at its outer end, each of said liners being arranged to be radially compressed on one side thereof by its associated trunnion in response to any substantial out-of-balance of said basket and to form a fluid passageway along said trunnion on the opposite side thereof; a plurality of peripherally spaced balancing pockets carried by said basket at each end thereof; an outwardly converging cone carried by each end of said basket coaxial with said trunnions and provided with

holes around its upper periphery in radial alignment with said pockets; a plurality of longitudinally extending spaced vanes secured to the interior of said cone and forming therewith longitudinal passageways in radial alignment with said pockets; a slinger mounted on each of said trunnions adjacent the free end of the liner associated therewith; means for establishing communication between a source of fluid under pressure and the interior surface of each of said liners; drive means associated with one of said trunnions for rotating said basket at a relatively low speed during its washing cycle; and drive means associated with the other of said trunnions for rotating said basket at a relatively high speed during its extracting cycle.

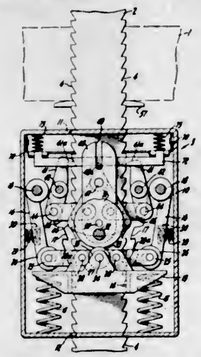
2,498,421
BOWLING SLIDE RULE
Marshall Hertig, Minneapolis, Minn.
Application September 7, 1948, Serial No. 48,138
8 Claims. (Cl. 235—70)



6. A computing device for bowlers comprising a base member marked with direct reading scales representing starting positions on a preselected starting line and spot points on a preselected spot line, a slide member movable relative to said base marked with indicia indicating relative pin size and positions and a cursor slidably mounted on said base member indexed with transverse indicia indicating the center line and extremities of a bowling ball relative to the pin size and positions marked on said slide member to indicate corresponding pin positions on the slide member and spot points and starting positions on the base member.

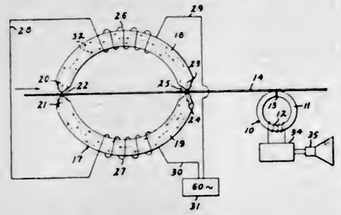
2,498,422
HOIST SAFETY DEVICE
Edward O. Hermann, Mill Valley, Calif.
Application May 18, 1948, Serial No. 27,741
7 Claims. (Cl. 187—77)

7. In a hoist safety device comprising a vertical rack having two opposed sets of rack teeth on two sides thereof, a frame, a first pawl pivotally supported by said frame for movement into and out of engagement with said rack, resilient means operable to engage and disengage said first pawl with said rack upon compression and expansion, respectively, of said resilient means, and means responsive to a sudden lowering of the load operable to compress said resilient means, the improvement which comprises an escapement mechanism for supporting the weight of said frame and elements supported thereby at any desired level on said rack, but allowing downward movement thereof relative to the rack in response to lowering of a load, said mechanism comprising a pair of opposed escape pawls each pivotally supported to move into and out of engaging position with respect to one of said sets of rack teeth, each said escape pawl being adapted when in engaging position to support said weight but such as to rock out of said position under an added



load, and a pendulum supported for oscillatory movement and pivotally connected to each escape pawl to control the rate of movement of said frame relative to said rack.

2,498,423
MEANS FOR DEMAGNETIZING HIGH COERCIVE FORCE MATERIALS
Hugh A. Howell, Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application April 17, 1947, Serial No. 742,143
6 Claims. (Cl. 179—100.2)

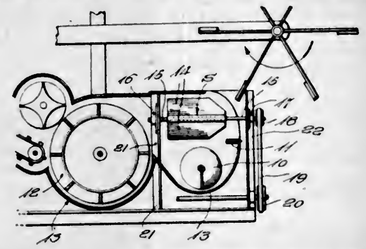


1. A head for demagnetizing a magnetic record member comprising a pair of confronting C-shape core members with corresponding ends of equal cross-sectional area in closely spaced relation to define a pair of gaps through which the record member is arranged to pass successively, an exciting coil on at least one of said core members and a low frequency alternating power supply circuit connected to said coil.

2,498,424
DOWN-BEATER FOR COMBINES
John P. Humphrey, Kiowa, Kans.
Application February 4, 1947, Serial No. 726,392
2 Claims. (Cl. 56—122)

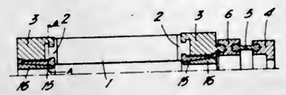
2. In a combine of the type having a sickle, a threshing cylinder having an entrance opening, and a conveyor in parallel relationship to the threshing cylinder for moving the cut grain from the sickle through the entrance opening into the threshing cylinder, the improvement comprising a rotary bladed beater located above the conveyor adjacent the entrance opening of the threshing cylinder, the longitudinal axis of the rotary

beater being at right angles to the axis of the conveyor and threshing cylinder so that the cut



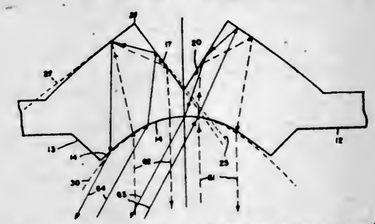
grain will be beat down, thereby enabling the conveyor to move the grain to the threshing cylinder.

2,498,425
BLADE RING FOR RADIAL-FLOW ELASTIC FLUID TURBINES
Axel Konrad Johansson, Erik David Lindblom, and Hans Ingvar Olof Ohlberger, Finspong, Sweden
Application July 17, 1945, Serial No. 605,527
In Sweden July 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 5, 1964
1 Claim. (Cl. 253—91)



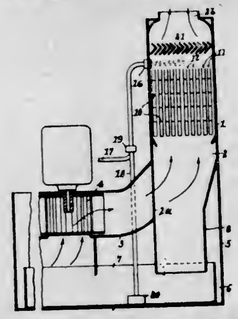
A blade ring for radial flow elastic fluid turbines comprising, two supporting rings, at least one of which is expansibly connected to a turbine disc so as to be carried thereby, blades inserted between said supporting rings, said blades having outwardly extending hook-shaped end portions for engaging correspondingly shaped grooves in the supporting rings in order to hold the blades against moving outwardly with relation to the supporting rings, and slit locking rings for holding the blades against moving inwardly with relation to the supporting rings, and undivided rings for keeping said slit locking rings in position against the ends of the blades, said undivided rings being axially driven into their positions, the bearing surfaces between the locking rings and said undivided rings being conical.

2,498,426
CATADIOPTRIC REFLEX REFLECTING LENS
Roy W. Johnson, Detroit, Mich.
Application March 24, 1947, Serial No. 736,666
11 Claims. (Cl. 88—82)



1. A catadioptric lens having a rear surface provided with two forwardly facing tetrahedral corners having a common side boundary, each of said tetrahedral corners composed of three concavely curved forwardly reflecting surfaces intersecting at a common point or apex, the axes of symmetry of said tetrahedral corners being parallel, the front face of said lens having a single concavely curved front refracting surface whose axis is coplanar with and midway between the axes of symmetry of said tetrahedral corners, said corners and refracting surface being mutually optically cooperative to act as an autocollimating device.

2,498,427
AIR CONDITIONING SYSTEM
John Kohut, Boonton, N. J.
Application October 17, 1945, Serial No. 622,854
3 Claims. (Cl. 261—105)

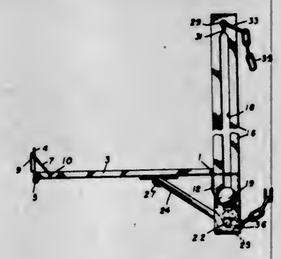


3. Air-conditioning apparatus for converting liquid into the state in which it will exist as suspended finely divided particles comprising a chamber having an upright gas passage therein, means to impel a gas through the gas passage vertically thereof, a liquid disrupter disposed in the passage and substantially filling the passage so that all the gas traversing the passage passes through the disrupter, said disrupter comprising a series of equally spaced parallel self-sustaining reticular diaphragms disposed in vertical planes, said reticular diaphragms being composed of loosely meshed fabric offering very little resistance to the passage of air therethrough, a series of horizontally disposed impermeable baffles located between, contacting, and connected to the diaphragms of successive pairs of diaphragms, the same number of baffles being employed between each successive pair of diaphragms, the baffles being spaced appreciable and equal distances vertically from each other, corresponding baffles between each successive pair of diaphragms being located in the same horizontal plane, each of the vertical spaces between the second diaphragm of a first pair thereof and the first diaphragm of a second adjacent pair thereof being devoid of baffles and open throughout its extent, and a liquid spray means for directing liquid against the reticular diaphragms of the disrupter.

2,498,428
SERVING TABLE ADJUSTABLE AND PORTABLE
Albert Kruse, Los Angeles, Calif.
Application June 25, 1947, Serial No. 757,032
1 Claim. (Cl. 311—21)

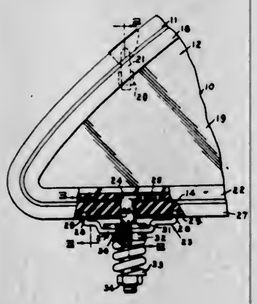
An adjustable carrier table comprising a pair of spaced parallel frame members having longitudinally extending slots therein, a transverse shaft

slidably retained in the slots, a table member inwardly cut at opposite ends thereof and having downwardly bent apertured ears thereat, said shaft extending through said ears, a second transverse shaft carried at the bottom of said frame members, a U-shaped brace secured at its ends to said second shaft and pivotally attached at its central portion to said table member, upstanding



guard flanges at the edges of said table member, a front guard flange hinged to the forward edges of said table member and upwardly above the level of said end guard flanges, locking ears on the opposite ends of said front guard flange, and hooks pivotally attached to said table member and engageable with said locking ears for holding the same in operative position.

2,498,429
VENTILATOR WINDOW ASSEMBLY
Guy M. Lane and Harold G. Thunder, Detroit, Mich., assignors to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application September 15, 1947, Serial No. 774,052
7 Claims. (Cl. 296—44)



1. A window assembly comprising a main frame, a ventilator having a frame supported in the main frame for swinging movement about an up and down axis, a pivot pin rotatably as a unit with the ventilator and extending downwardly from the bottom bar of the ventilator frame through a clearance opening provided in the bottom bar of the main frame, a bracket rotatably supporting the pivot pin on the main frame and spaced below the bottom bar of the main frame, upwardly projecting lugs at opposite ends of the bracket extending into slots formed in the bottom bar of the main frame and having arcuate portions engaging opposite ends of the slots enabling the bracket and pin to rock in directions transversely of the main frame, and spring means resisting rotation of the pin relative to the bracket and operable to retain the lugs in said slots.

2,498,430
1-METHYL-4-p - METHOXYPHENYL - 4-PROPIONOXY-PIPERIDINE HYDROCHLORIDE
John Lee, Essex Fells, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application May 21, 1945, Serial No. 595,061
1 Claim. (Cl. 260—294)

1 - methyl - 4 - p - methoxyphenyl - 4 - propionoxy-piperidine hydrochloride.

2,498,431
2- AND 4-HOMOCYCLYL SUBSTITUTED PIPERIDINES
John Lee, Essex Fells, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application June 13, 1945, Serial No. 599,321
8 Claims. (Cl. 260—293)

1. Piperidines selected from the group consisting of those corresponding to the following general formula and their acid addition salts



R_1 being a lower alkyl radical, and one of Z and Y being hydrogen while the other represents a member from the group consisting of hydroxyphenyl, alkoxyphenyl, acyloxyphenyl, hydroxynaphthyl, alkoxynaphthyl and acyloxynaphthyl radicals.

2,498,432
1-BRANCHED LOWER ALKYL-4-PHENYL-4-ACYLOXY-PIPERIDINES AND THEIR ACID ADDITION SALTS
John Lee, Essex Fells, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1946, Serial No. 682,131
7 Claims. (Cl. 260—294)

1. 1-branched lower alkyl-4-phenyl-4-lower fatty acyloxy-piperidines and their acid addition salts.

2,498,433
1,3 DIMETHYL- 4 -PROPIONOXY- 4 -PHENYL-PIPERIDINE AND ACID ADDITION SALTS THEREOF
John Lee, Essex Fells, and Albert Ziering, Newark, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1946, Serial No. 682,132
2 Claims. (Cl. 260—294)

1. 1,3-dimethyl-4-propionoxy - 4 - phenyl-piperidine and the said addition salts thereof.

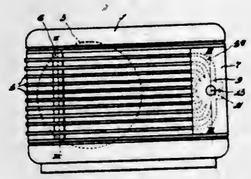
2,498,434
1-LOWER ALKYL-4-CYCLOHEXYL-4-LOWER FATTY ACYLOXY-PIPERIDINES AND ACID ADDITION SALTS THEREOF
John Lee, Essex Fells, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1946, Serial No. 682,133
8 Claims. (Cl. 260—294)

1. 1-lower alkyl-4-cyclohexyl-4 - lower fatty acyloxy-piperidines and their acid addition salts.

2,498,435
PRODUCTION OF 1,3 DIMETHYL-4-PHENYL-4-HYDROXY-PIPERIDINE
John Lee, Essex Fells, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1946, Serial No. 682,134
1 Claim. (Cl. 260—293)

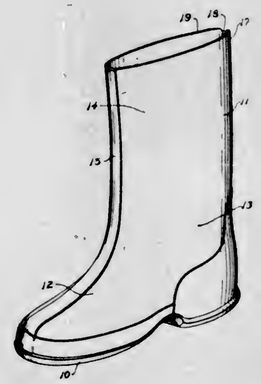
Process of preparing 1,3-dimethyl-4-phenyl-4-hydroxy-piperidine which comprises reacting under anhydrous conditions phenyl lithium with 1,3-dimethyl-4-piperidone and hydrolyzing to produce 1,3-dimethyl-4-phenyl-4-hydroxy-piperidine.

2,498,436
DIAL ALONG WHICH A POINTER IS MOVABLE, MORE PARTICULARLY TUNING DIAL FOR RADIO APPARATUS
August Nicolaas Legras, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 2, 1947, Serial No. 745,478
In the Netherlands May 10, 1946
4 Claims. (Cl. 116—124.1)



1. A tuning dial for radio apparatus, which comprises a grid-shaped translucent light diffusing carrying member formed with a plurality of spaced apart parallel rod portions having marks thereon, an illumination lamp member, and a pointer member, said rod portions respectively being joined at one end to form a common central portion of said grid-shaped member and having an aperture, said lamp member being positioned in said aperture so as to transmit light to said portions and incident light rays along said rods to light said rod portions thereby to cause said marks to become conspicuous, said pointer member mounted at right angles to said rod portions, and means to move said pointer parallel to said rod portions.

2,498,437
FLEXIBLE BOOT WITH FRONT AND REAR REINFORCING STRIPS
Leslie H. L'Hollier, Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 18, 1947, Serial No. 761,810
3 Claims. (Cl. 36—4)

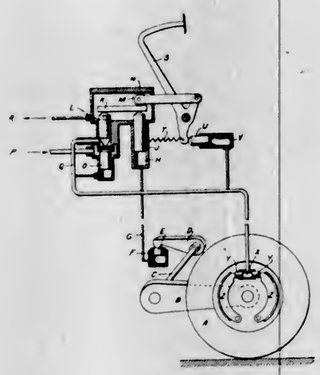


2. A boot of substantially mid-calf height comprising a sole and a flexible upper joined together in a unitary assembly defining a shallow heel pocket, said upper including a flexible calf-encircling portion of substantially uniform cross-section having a substantially straight vertically-extending rear profile, and reinforcing means for maintaining said upper in an upright unwrinkled condition free of the wearer's leg comprising a relatively narrow front stiffening member extending generally vertically along the front of the upper from the toe to the top margin thereof and a relatively narrow rear stiffening member extending generally vertically along the rear of the upper from the heel portion and terminating short of the top margin thereof, said stiffening members constituting the sole reinforcement for said calf-encircling portion, the rear of said calf-encircling portion being divided by a slit extending downwardly from the top margin through the marginal region thereof and terminating adjacent the upper end of said rear stiffening member.

2,498,438
VARIABLE LOAD BRAKE
Georges Levesque du Rostu, Paris, France, assignor to Societe Anonyme Andre Citroen, Paris, France
Application July 18, 1945, Serial No. 605,687
In France July 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 18, 1961
5 Claims. (Cl. 188—195)

1. A device for automatically adjusting the action of a liquid-operated pedal-controlled brake gear upon the front and the rear wheels of a vehicle in dependency on the ratio between the loads carried respectively thereby and on the absolute values of the said loads acting upon said

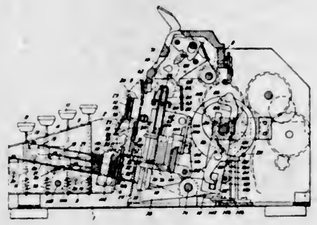
wheels through spring gears, comprising brake shoes for each wheel, means operated by a fluid under pressure to actuate said shoes, means to control the pressure of said fluid compriing for each wheel a pair of fixed bottomless cylinders arranged side by side, pistons movable freely in said cylinders, a plate arranged at right angles above one of the bottoms of said cylinder, a free lever



borne at two points on the heads of said pistons projecting from their respective cylinders, a roller guided by said plate arranged to freely move lengthwise of said free lever and to act as a fulcrum for the same, means to move said roller lengthwise of said free lever in dependency on the force exerted upon the brake pedal, means to act upon the one of said pistons with a force which is proportional to the deformation undergone by the spring gear due to the load carried by the vehicle, a balanced valve arranged within a brake-operating fluid intake chamber engaging the other piston and an aperture in the cylinder of said piston for the pipe leading the brake-operating fluid to the brake shoes.

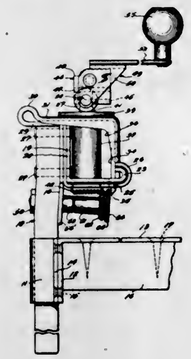
2,498,439
TEN-KEY CALCULATING MACHINE
Gustaf Vilhelm Liljeström, Goteborg, Sweden
Application September 9, 1943, Serial No. 501,605
In Sweden September 12, 1942
2 Claims. (Cl. 235—79)

1. In a machine of the class described, the combination of an indexing mechanism movable in the transverse direction of the machine, a keyboard including ten numeral keys for setting items up in the indexing mechanism, a carriage movable in the transverse direction of the machine, totalising wheels and associated gear wheels thereon, a row of approximately vertical counting spindles extending in the transverse direction of the machine below the path of said carriage and behind the indexing mechanism, a pile of racks arranged behind said row of counting spindles including a stationary rack and a set of slidable proportion racks thereon, extending in a direction at right angles to the spindles, gear wheels on the spindles to cooperate with said proportion racks, means to displace the spindles axially to bring the gears thereof into mesh with the desired racks, means carried by the indexing mechanism to predetermine said displacement of the spindles in accordance with the setting of the indexing mechanism, a main shaft, means operable by the main shaft to bring the spindles thus



displaced into operative connection with the gear wheels of the totalizer carriage and a proportion lever adapted to oscillate under the control of the main shaft to displace the proportion racks.

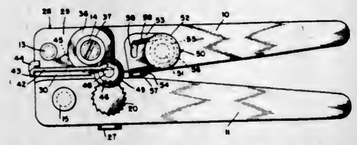
2,498,440
ROTARY TYPE CAN OPENER
Robert E. McLean, Fort Benning, Ga., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application June 13, 1946, Serial No. 676,453
18 Claims. (Cl. 30—8)



4. A can opener of the character described, comprising a support, a plate secured to the support, a cutter element carrier resiliently coupled with said plate and including a horizontal top portion and a depending portion, a cutter element carried by the depending portion, a body secured to the support and lying beneath the top portion of the cutter element carrier and between the depending portion and the support, a shaft rotatably supported by the body and extending through the top portion of the cutter element carrier, said resilient coupling normally urging upward movement of the cutter element carrier to effect shifting of the cutter outwardly from the shaft, means for urging movement of the cutter element carrier in the opposite direction to move the cutter toward such shaft, means

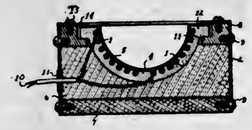
for effecting rotation of the shaft, a pivot pin supported beneath said shaft and extending oblique to the axis of the shaft, a wheel rotatably supported upon the pivot pin and having its periphery adjacent to the cutter, said wheel being maintained on the pivot pin in a plane oblique to the adjacent side wall of a can applied to the cutter whereby the peripheral face of the wheel will bear against the underside of the rim flange of a can to support the latter, and means operated by and upon rotation of the shaft for imparting rotary motion to a can supported by its rim upon said wheel.

2,498,441
CAN OPENER
Robert E. McLean, Columbus, Ga., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application August 16, 1948, Serial No. 44,490
10 Claims. (Cl. 30—9)



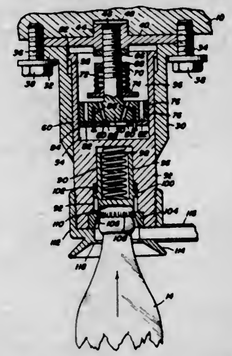
5. A can opener of the rotary drive wheel type, comprising a supporting body, a second body connected to the supporting body for movement relative thereto, a cam rim engaging driving wheel rotatably supported by the second body upon one side thereof, means for rotating the wheel, a fixed can rest secured to the supporting body on the same side as the wheel, a relatively long bearing supported by said rest with one end directed toward but spaced from the supporting body, a shaft rotatably supported in said bearing and extending at one end beyond the said one end of the bearing toward the adjacent supporting body, a disk cutter carried upon the said extending end of said shaft and in position for coaction with the driving wheel, the side face of the disk cutter opposite from the bearing and shaft being smooth and spaced from the said one side of the supporting body, a stop member interposed between the said smooth face of the disk cutter and the adjacent side of the supporting body, the cutter and shaft having axial movement relative to the stop member, and spring means supported adjacent to the cutter and having a cooperative relation therewith to resist axial movement of the cutter away from the stop member.

2,498,442
ELECTRICAL HEATER AND METHOD OF MANUFACTURING IT
Glen H. Morey, Terre Haute, Ind.
Application December 14, 1946, Serial No. 716,357
6 Claims. (Cl. 219—38)



1. A method of forming a heater which comprises the steps of forming a continuous tunnel in a rigid, heat-resistant non-conductor by molding said non-conductor while in plastic condition completely around a tunnel-forming means and then hardening the plastic material to a permanent shape containing a permanent tunnel-like passage for an electrical resistance element.

2,498,443
BOTTLE CAPPING MACHINE
Antonio C. Naccarato and Raymond E. McCauley, Los Angeles, Calif.
Application November 29, 1948, Serial No. 62,442
12 Claims. (Cl. 226—80)



1. A bottle capping device comprising an outer cylinder having concentric bores of different diameters and an annular internal seat formed between said bores, a second cylinder having an outwardly extending peripheral flange about its upper end disposed in the enlarged bore in said first mentioned cylinder and having vertically spaced aligned bores of different diameters, a cap plate for said first mentioned cylinder, a depending ported piston adjustably supported by said cap plate for operation in the upper bore in said second cylinder, a valve carried by said piston for opening and closing the port in said piston, a hollow plunger cylinder operable in the lower bore in said second cylinder, resilient means for urging the hollow plunger cylinder to its foremost position, a spacing ring in the lower end of said second cylinder, and means in said second cylinder for crimping a cap on a bottle neck when said second cylinder and a bottle are moved with respect to each other.

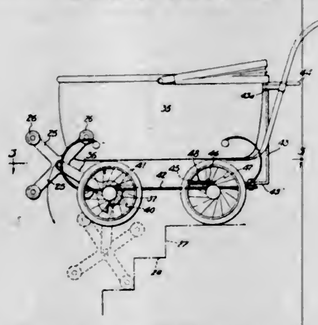
2,498,444
PRODUCTION OF ACETYLENE
John B. Orr, Jr., Great Barrington, Mass.
Application February 24, 1948, Serial No. 10,514
24 Claims. (Cl. 260—679)



1. A method of endothermically producing unsaturated aliphatic hydrocarbons from gases containing saturated reaction hydrocarbons of the methane series which comprises, the steps of effecting combustion of a combustible gas mixture of a combustible hydrogen-containing gas and a combustion-supporting oxygen-containing gas at an elevated combustion-supporting temperature of not in excess of 2000° C., in such a manner that at least a portion of the combustible gas mixture

is burnt and while segregating the combustible gas mixture from the surrounding atmosphere and moving it as a continuous stream; introducing reaction gas directly into admixture with the combustible gas mixture downstream thereof, the admixed gases have substantially less than a stoichiometric amount of available combustion-supporting oxygen, and moving the admixed gases under conditions such as to insure a continued and substantial completion of combustion of the therein available oxygen content of the admixed gases and under conditions such as to provide an elevated combustion-supporting temperature below that of the combustion-supporting temperature of the combustible gas mixture before the reaction hydrocarbons are introduced thereto and to provide an improved yield of unsaturated aliphatic hydrocarbons, while segregating the admixed gases from the surrounding atmosphere and converting saturated hydrocarbons of the admixed gases into unsaturated aliphatic hydrocarbons.

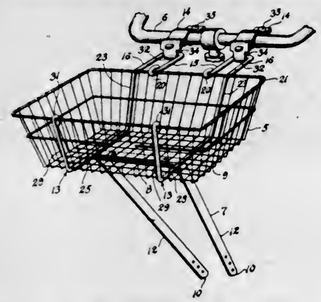
2,498,445
ASCENDING AND DESCENDING DEVICE
Alex Pascoo, New York, N. Y.
Application September 26, 1945, Serial No. 618,671
2 Claims. (Cl. 280—29)



1. A device for moving a carriage along stairways which comprises a body portion, a series of pivoted rotatable relatively rectangularly disposed legs around a pivot axis on the carriage, said axis being disposed on arms pivoted to the body portion and movable from one position to another to dispose the legs in operative and inoperative positions, said legs adapted when in operative position seriatim to be disposed with their outer ends in the inner corner of successive steps to permit the carriage to be swung in a horizontal position around them as pivot levers from one step to the next and out of contact therewith, and manually operable means to latch the legs in one position or the other.

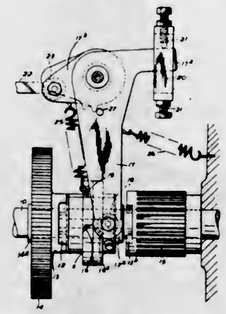
2,498,446
BASKET MOUNTING BRACKET
Ewald F. Pawsat, Maysville, Ky.
Application April 29, 1948, Serial No. 23,963
2 Claims. (Cl. 224—36)

1. In combination with a cycle having a handle bar and a basket support frame extending in front of the handle bar, a basket having a bottom, side walls, a front wall, a rear wall, and a circumferential frame element defining the top opening of the basket, the bottom of the basket being supported on the basket support frame, a pair of clamps attached to the handle bar, each of said clamps having a bracket supporting hook extending forwardly of the handle bar, and a pair of brackets each extending between the basket and one of the hooks, each of said brackets comprising a single length of heavy wire, the wire being bent to provide two U-shaped sections in planes at right angles to each other, one arm of one section having an end integral with an end of one of the arms of the other section, the base of one U-shaped section of each bracket being rotatably held in the hook of one of the



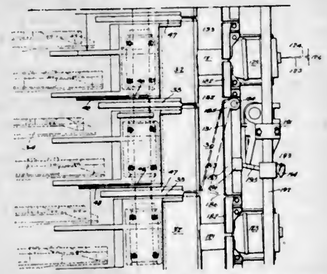
clamps, the base of the other U-shaped section of each bracket underlying the bottom of the basket, the end of the free arm of the first U-shaped section of each bracket engaging the rear edge of the frame element of the basket, the end of the free arm of the second U-shaped section of each bracket engaging the forward edge of the frame element of the basket, whereby front and rear edges of the frame element are held in constant spaced relation to the handle bar and the basket is swingable about the hooks.

2,498,447
CIRCULAR KNITTING MACHINE
Charles Willin Perkins, Leicester, England
Application October 1, 1948, Serial No. 52,391
In Great Britain September 12, 1947
11 Claims. (Cl. 66—56)



10. A mechanism for a circular knitting machine of the cylinder type comprising a cam associated with the pattern drum of the machine, a pivoted lever and a plate freely mounted on the same axis, a spring connected between the lever and the plate, the action of the cam serving to spring-load the lever, two cam profiles engaged by said lever, a sliding clutch member associated with the cam profiles, a gap through which the lever can move from engagement with one cam profile to engagement with the other, another spring connected to the lever, said further spring becoming active on said lever when the cam on the pattern drum ceases to be effective, whereby the lever is oppositely spring-loaded, the lever in conjunction with the cam profiles serving to move the clutch member slidably, said clutch member being adapted in one position to be associated with means for effecting continuous rotary movement of the needle cylinder and in the other position to be associated with means for effecting reciprocatory movement of the needle cylinder.

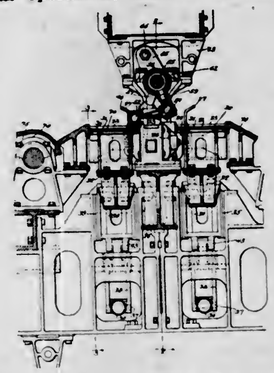
2,498,448
APPROACH TABLE FOR TRANSFER OF METALLIC STOCK
Edward T. Peterson, Reading, Pa.
Application February 14, 1947, Serial No. 728,429
12 Claims. (Cl. 198—24)



1. In an approach table, a set of approach rollers for transfer of stock, means for driving the approach rollers, an approach apron positioned between the approach rollers and having an inactive position below the tops of the approach rollers, means for raising the approach apron to a position above the tops of the approach rollers, kick-off means moving up with the approach apron, kick-off driving means remaining axially stationary as the approach apron rises and kick-off driving connections between the axially stationary kick-off driving means and the kick-off means for maintaining driving connection with the kick-off means in the elevated position of the approach apron.

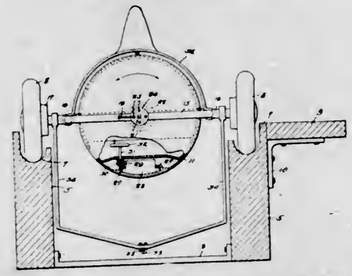
2,498,449
DOUBLE APPROACH TABLE FOR TRANSFER OF METALLIC STOCK
Edward T. Peterson, Reading, Pa.
Application November 26, 1947, Serial No. 788,271
7 Claims. (Cl. 198—24)

2. In transfer mechanism for metallic stock, a pair of adjoining approach tables side by side, swingable kick-off arms mounted at the adjoining sides of the respective tables and adapted to swing across the respective tables, an interior shaft extending longitudinally of the tables in the space between the two, kick-off levers mounted on the interior shaft at positions corresponding to the kick-off arms on one of the approach tables, push rods connecting such kick-off levers with the kick-off arms of that approach table for operation of the kick-off arms in response to angular movement of the interior shaft, a hollow exterior shaft surrounding the interior shaft and recessed to permit passage and relative movement of the kick-off levers on the interior shaft, kick-off levers extending from the exterior shaft at positions corresponding to the positions of the kick-off arms on the opposite approach table and push rods operatively connecting the kick-off



levers on the exterior shaft with the kick-off arms on the opposite approach table.

2,498,450
PLEASURE RAILWAY
Bernard B. Pewitt, Oak Ridge, Tenn.
Application November 15, 1945, Serial No. 628,714
4 Claims. (Cl. 104—76)

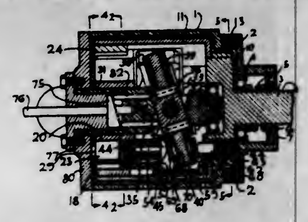


1. A pleasure railway comprising a track, a car embodying a wheel supported frame, adapted to move over the track, means for mounting the frame on the wheels for end over end rotary movement of the frame on a horizontal axis intermediate the ends of the frame, a body supported within the frame to rotate therewith, and means for mounting the body within the frame for rolling movement on a horizontal axis at the ends of the frame in a plane at right-angles to the direction of travel of the car.

2,498,451
FLUID POWER UNIT
Zorro D. Ruben, Chicago, Ill.
Application April 10, 1944, Serial No. 530,416
12 Claims. (Cl. 103—162)

1. Apparatus of the class described comprising a rotatable torque tube, means at one end of the tube for rotating it, a cylinder block secured in the opposite end of the tube and rotatable therewith, a shaft extending axially through the block and around which shaft the block rotates, an inclined axial cam carried by said shaft within the tube, cylinder bores formed in the block around said shaft, pistons in said bores, said block having openings between adjacent bores, and

means slidably connecting the pistons with said inclined cam, said means being slidable in said



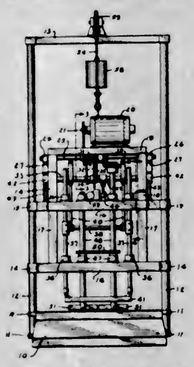
openings and supported on and rotating with the torque tube.

2,498,452

SPADER AND AGITATOR DEVICE FOR CONCRETE BLOCK MACHINES

Thomas B. Sansbury, Orlando, Fla.

Application October 24, 1947, Serial No. 781,923
9 Claims. (Cl. 25—41)



1. In a concrete block machine, a frame, means supporting and guiding the frame for vertical sliding movement, a spader below said frame, rods carrying said spader, guides on the frame for said rods, means to reciprocate said rods, agitator shafts vertically journalled in said frame, agitator blades on the lower ends of said shafts, and means to drive said agitator shafts.

2,498,453

POLYVINYL CHLORIDE COMPOSITIONS CONTAINING SULFURIC ACID TREATED HIGH-BOILING PETROLEUM EXTRACT

August A. Schaerer, El Cerrito, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 23, 1945, Serial No. 606,709
4 Claims. (Cl. 260—31.8)

1. A plastic composition which comprises a thermoplastic polymer composed essentially of vinyl halide units and containing only the amount of halogen contained in the polymer as formed by the polymerization of the monomer units, plasticized with a mixture comprising an ester compatible with said polymer and boiling above about 125° C. at 1 mm. Hg pressure and a petroleum product boiling above 300° C. at 760 mm. Hg pressure but below 400° C. at 1 mm. Hg pressure, said plastic composition containing 0.5 to 1 part by weight of total plasticizer per part of said thermoplastic polymer and 25 to 70% by weight of said petroleum product in the total plasticizer, said petroleum product having been obtained by diluting each volume of an Edeleanu extract of a distillate of a petroleum selected from the group consisting of naphthenic and aromatic crudes with from one to two volumes of a hydrocarbon solvent boiling below 300° C., introducing into the diluted extract as a treating agent sulfuric acid containing less than 50% water in an amount sufficient to provide from about 5 to 30 parts of acid treating agent per 100 parts of undiluted extract thereby forming an acid sludge and an acid-extracted layer, separating the acid-extracted layer from the acid sludge, repeating the said steps of introducing acid and extracting until the nitrogen content of the original extract has been reduced by at least 43.5%, neutralizing the diluted extract by contacting it with an adsorbent bleaching clay and distilling off the materials boiling below 300° C., the total acid treating agent added being at least 15 parts per 100 parts of undiluted extract treated.

2,498,454

HARDENABLE EMULSION SERVING AS BINDING AGENT AND PROCESS OF MAKING SAME

Luzius Schibler, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application November 21, 1946, Serial No. 711,462. In Switzerland November 28, 1945
7 Claims. (Cl. 260—6)

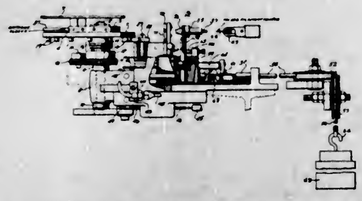
4. A hardenable emulsion serving as binding agent suitable for the fixation of finely dispersed pigments on fibrous materials, the aqueous external phase of said emulsion consisting of a solution containing acid casein brought into solution by means of an alkaline substance and also containing a water-soluble ether of a substantially illimitedly water-miscible aliphatic alcohol with a methylol compound of a substance selected from the group consisting of urea, thiourea, guanidine, dicyandiamide and melamine, and the oily internal phase of the said emulsion consisting essentially of an organic liquid which is at most only partially miscible with water and which has a boiling point not substantially below 100° C. and not substantially above 200° C., said liquid being non-reactive with the aqueous phase and the constituents thereof.

2,498,455

HEATER INSERTING MECHANISM

Gerhard Gunther Schneider and Frank L. Donohue, Maplewood, N. J., assignors to National Union Radio Corporation, Newark, N. J., a corporation of Delaware

Application January 10, 1946, Serial No. 640,346
5 Claims. (Cl. 29—25.19)



1. A machine for assembling radio tube cathodes and the like of the type having a cathode sleeve and a fine wire heater filament therein,

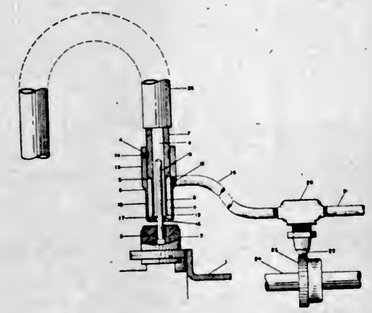
comprising a rotatable magazine carrying a series of cathode sleeves projecting radially therefrom, a single head for holding a fine wire filament, said single head being rotatable around an axis parallel to the axis of rotation of said magazine, means to rotate said single head around its own axis between a filament loading position and another position where the loaded filament is longitudinally and radially aligned with one of said cathode sleeves, means to reciprocate said single head radially towards said aligned cathode sleeve to insert the loaded filament into said sleeve and then away from said sleeve, and air blast means communicating with said head and operated in timed relation to said reciprocation to retain the filament telescoped within said sleeve during the movement of said head away from said sleeve.

2,498,456

TUBE REMOVING MECHANISM

Gerhard Gunther Schneider, Maplewood, N. J., assignor to National Union Radio Corporation, Orange, N. J., a corporation of Delaware

Substituted for abandoned application Serial No. 578,484, February 17, 1945. This application April 13, 1949, Serial No. 87,209
15 Claims. (Cl. 254—1)



1. A mechanism for withdrawing a rod from a holder which mechanism comprises in combination a source of air under pressure, an air fixture having a jet for acting upon the rod, and a connection between said source of air under pressure and said fixture including means for controlling the supply of air to said fixture.

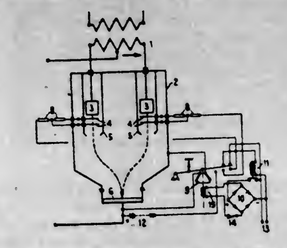
2,498,457

CONTROL SYSTEM FOR ELECTRIC VALVES

Eduard Schorno, Zurich, Switzerland, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland, a Swiss firm

Application February 10, 1947, Serial No. 727,612
In Switzerland February 12, 1946
10 Claims. (Cl. 315—261)

1. In combination with an electric valve means comprising at least one anode, a cathode and a control grid, means forming a grid extinguishing system and including a relay, circuit means for directly energizing said relay by a fraction of the arc voltage, a normally open circuit containing a source of direct current having its positive terminal connected with said cathode, and means operated by said relay when said fraction of said arc voltage exceeds a predetermined value to conductively connect said control grid with the negative terminal of said direct current circuit, whereby said grid extinguishing



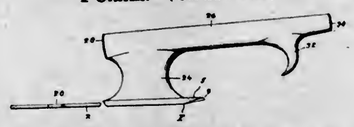
system becomes operative to block the anode associated with said grid.

2,498,458

RIPPER TOOL

Stanley Schwork, Bangor, Pa.

Application July 18, 1946, Serial No. 684,524
1 Claim. (Cl. 254—25)



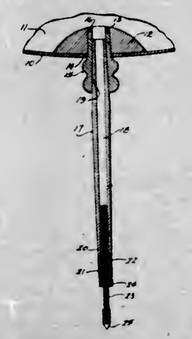
A nail pulling tool comprising a bearing plate having a lower fulcrum, a vertical shank and a handle on the shank extending rearwardly of said shank, said shank being formed on said plate slightly forward of said lower fulcrum, bifurcations at the opposite ends of the plate for selected engagement with a nail for the partial extraction thereof, the underside of the bifurcations at one end of the plate being beveled upwardly to form the lower fulcrum, lateral shoulders on the plate and spaced therefrom forming nail engaging slots therebetween, a central opening having communicating slots formed with converging walls, and a nail removing claw on the handle.

2,498,459

SUPPORT FOR VIOLON-CELLOS

Josef Schroetter, Wauwatosa, Wis.

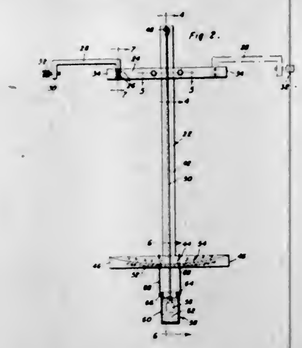
Application November 18, 1946, Serial No. 710,501
1 Claim. (Cl. 84—280)



In combination with the tail-pin of a violoncello, an elongated tubular support member, an

internally threaded sleeve fixed within the lower end thereof, a threaded extension rod engaged in said internal thread and adapted for movement in and out of said sleeve clear of the body of the violon-cello, a floor-bearing point on the lower end of said extension, a cylindrical knurled portion integral with said point, and a knurled set-nut threadingly engaged on said rod adapted to be tightened against the lower end of said sleeve to fix said rod in adjusted position.

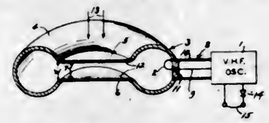
2,498,460
TILT INDICATING ATTACHMENT FOR MACHINE HEADS
William E. Shenefelt, Irwin, Pa.
Application February 20, 1948, Serial No. 9,845
3 Claims. (Cl. 33—207)



1. In a machine of the vertical boring mill type having a head which is tiltable about a horizontal axis and a tool carrying slide mounted on said head, a tool position indicator for said machine comprising a substantially vertical leg, a cross bar fixed midway between opposite ends to the leg adjacent the lower end thereof, indices on one face of said cross bar, a suspension member pivotally suspended from the vertical leg adjacent the upper end thereof, said suspension member being movable over the face of the cross bar carrying the indices, a plumb bob carried on the suspension member below the cross bar, a cross arm mounted midway between opposite ends to slide on the leg between the cross bar and the point of suspension of the suspension member, said cross arm being coextensive with the cross bar and cooperating therewith in holding the leg in spaced parallel relation to the slide, and a clamp detachably coupled to one end of the cross arm detachably to engage the side of the slide remote from the leg and demountably hold the tool position indicator on said slide.

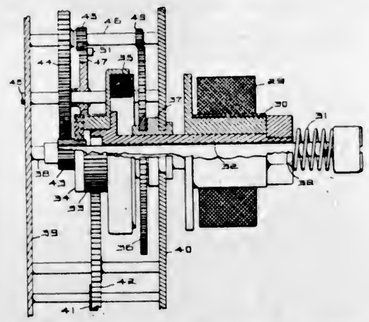
2,498,461
DETECTOR FOR HIGH ENERGY RADIATION
Albert M. Skellett, Madison, N. J., assignor to National Union Radio Corporation, Orange, N. J., a corporation of Delaware
Application August 3, 1948, Serial No. 42,229
16 Claims. (Cl. 250—83.3)

1. Apparatus for detecting high energy radiation arising from an external source, comprising an evacuated device having a pair of conductive members defining a gap, at least one of said members having a coating of secondary electron-emissive material, means to excite said members with a high frequency voltage, at least part of the wall of said device being pervious to the said



radiations from said external source to permit them to enter said gap.

2,498,462
CLOCK SETTING SYSTEM
Lewis J. Stern, Adrian, Mich., assignor, by mesne assignments, to Sperti Faraday Inc., a corporation of Ohio
Application August 29, 1942, Serial No. 456,718
2 Claims. (Cl. 58—35)



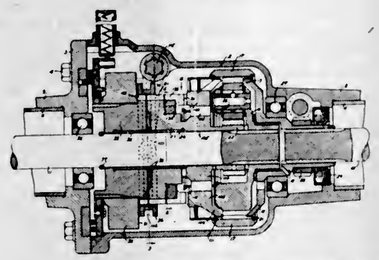
1. A clock system comprising a plurality of electric motor driven secondary clocks, a transmission in each of said clocks including a normal driving clutch and a high speed clutch, a shiftable member directly in the transmission between the clock motor and each of said clutches, time indicating means for the respective clocks, said clutches being between the motor and the time indicating means therefor, stop means for the time indicating means between the time indicating means and the normal driving clutch effective as the time indicating means reaches a predetermined position, a master clock having a switch, means in the master clock for actuating said switch at an interval in advance of the predetermined time position for the secondary clocks, circuit means for energizing the respective clocks for the normal operation thereof, in addition to said circuit means an additional electrical circuit means from the master clock switch to the secondary clocks, an electric release means for the stop means, a different electric control means for shifting the normal driving clutch, said release means and control means being energized by said additional electric circuit means, and transmission modifying means actuatable from the master clock switch through the additional electrical circuit means in conjunction with a portion of said circuit means to shift said member for disengaging the normal driving clutch from being driven through the member from the clock motor, to cause the member to connect the clock motor through the member to operate the high speed clutch to bring the secondary clock time indicating means to said predetermined position.

2,498,463
TRIGGER FOR JUMPING ANIMAL TRAPS
Joseph F. Strmiska, Merrimac, Wis.
Application January 2, 1948, Serial No. 326
1 Claim. (Cl. 43—92)



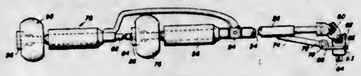
An animal trap of the jumper type comprising a ground spring having ears extending upwardly therefrom, one of said ears being provided with a centrally disposed pocket, a pair of biting jaws pivoted to the ears, a lug extending upwardly from an end of the ground spring adjacent the central pocketed ear, a trigger spring having one end secured to the ground spring and the free end thereof terminating with a tongue extension defining an aperture interrupted by a transversely disposed partition having an upturned fulcrum lip, whereby the ground spring lug engages the walls of the end compartment of the aperture and the ground spring pocketed lug end engages the walls of the other aperture compartment, a bait pad pivoted to the ground spring having a toothed shank, and a latch lever pivoted to the end of the ground spring lug and engageable with the aperture partition fulcrum lip and tooth of the bait pad shank, whereby the same is locked in its set position, the latched lever being nested within the juxtaposed lock pocket to eliminate lateral movement of said latched lever.

2,498,464
SYNCHRONIZING CLUTCH FOR SPEED CHANGE SYSTEMS
Robert S. Taylor, Seattle, Wash.; Florence E. Taylor executrix of said Robert S. Taylor
Original application August 25, 1942, Serial No. 456,299. Divided and this application April 17, 1946, Serial No. 662,675
6 Claims. (Cl. 192—53)



1. In a speed change system, a gearing, a shiftable clutch member mounted for rotation with a part of the gearing and having teeth thereon, a floating clutch member having teeth adapted to mesh with those of the shiftable member, means for positively connecting the floating member for rotation with a second part of the gearing and allowing a limited degree of relative turning movement between the floating member and said second part, whereby the teeth on the floating member may move past those on the shiftable member to permit meshing thereof, and means for effecting said turning movement upon axial pressure applied to the floating member by said shiftable member.

2,498,465
EXTENSION DRIVE SHAFT AND HANDLE GRIP FOR ROTATABLE AND ANGULARLY ADJUSTABLE TOOLS
James M. Thomas, Oklahoma City, Okla.
Application February 12, 1948, Serial No. 7,801
1 Claim. (Cl. 145—66)



An extension handle and drive for a tool comprising a main guide sleeve, a shaft slidably and rotatably mounted in said main guide sleeve, tool engaging means pivotally connected to said main guide sleeve and to said shaft for movement between positions coaxial, and angular to, said shaft, the angular disposition of said tool engaging means relative to said shaft being varied by relative sliding movement between said shaft and said main guide sleeve, a removable auxiliary guide sleeve mounted on said main guide sleeve in coaxial and spaced relation thereto, and means slidable and rotatable in said auxiliary guide sleeve and connected to said shaft for rotating said shaft and tool engaging means.

2,498,466
PHENOLIC COLOR FORMERS
Henry T. Thompson, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 9, 1946, Serial No. 668,460
4 Claims. (Cl. 95—6)

1. A silver halide emulsion for color photography containing as the color former for the minus red image a compound of the following formula:



wherein R is a phenolic radical in which the phenolic hydroxyl group is in ortho position to the amide group, and R' is arylene.

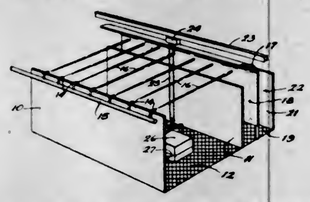
2,498,467
ANIMATED DECORATIVE DEVICE
John D. Webber, Portland, Oreg., assignor of one-half to William A. Cole, Vancouver, Wash.
Application November 19, 1946, Serial No. 710,883
3 Claims. (Cl. 272—31)



3. An animated decorative device which includes a length of wire, a casing surrounding one

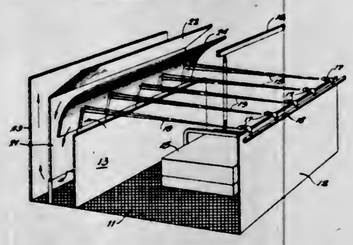
end of said wire, bearings for the wire at each end of the casing, the other end of the wire extending beyond the casing and bent into an arcuate form, a display figure, a thread connecting the figure to the bent end of the wire, a drive motor at the first mentioned end of the wire and connected thereto to rotate the same, the bearing at the end of the casing adjacent the arcuate end of the wire having an irregular periphery to guide the adjacent portion of the bent wire into an irregular path as it is rotated and revolved.

2,498,468
APPARATUS FOR ELIMINATING DUST AND FUMES
Ronald Webster, Evanston, and Daniel H. Petty, Skokie, Ill., assignors to The Hydro-Blast Corporation, Chicago, Ill., a corporation of Illinois
Application January 24, 1946, Serial No. 643,189
4 Claims. (Cl. 261—116)



4. Apparatus for eliminating dust and fumes during shake-out of castings comprising a pair of spaced parallel vertical walls defining a space having an open top, a series of nozzles carried by the top portion of one wall and spaced along the top edge of the wall to direct high velocity water jets substantially in a horizontal plane over the space and over the other wall, a baffle spaced back of and extending above the other wall to collect the water and material entrained thereby and a vertically extending back wall spaced back of the baffle, the baffle being formed to provide communication between the spaces in back and in front of it to form passages for conducting away air and gas entrained by the jets.

2,498,469
APPARATUS FOR ELIMINATING DUST AND FUMES
Daniel H. Petty, Skokie, Ill., assignor to The Hydro-Blast Corporation, Chicago, Ill., a corporation of Illinois
Application February 27, 1946, Serial No. 650,653
5 Claims. (Cl. 261—116)



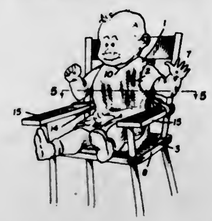
1. Apparatus for eliminating dust and fumes comprising first and second spaced parallel walls, a series of nozzles mounted adjacent the top of the first wall and spaced along the top edge of the first wall to direct a series of parallel high velocity water jets lying substantially in a plane over the space between the walls and over the top of the second wall, a back wall spaced back of and extending above the second wall, and a curved baffle lying between and spaced from the back wall and said second wall, the baffle extending above the other wall to receive the water jets and direct the water and entrained material down in the space between the second wall and the back wall and means providing a free outlet from the space between the second wall and the back wall for air entrained by the jets.

2,498,470
SNOWPLOW
Ira R. Wenner, Sycamore, Ohio
Application January 13, 1948, Serial No. 2,060
8 Claims. (Cl. 294—54)



1. A snow plow comprising a concave snow pusher plate, a handle, a bracket securing said handle to the rear surface of said pusher plate, a plow blade of appreciably greater height and width than said pusher plate, said plow blade being provided with a concave lower section and a substantially planar upper portion, said plow blade being adapted to be flattened slightly by an external force for temporarily lengthening same slightly and having a rearwardly turned lower edge adapted to engage with the lower edge of said pusher plate, and an inverted substantially U-shaped engaging strip secured to the rear portion of said plow blade and extending transversely thereof at about the middle thereof, said engaging strip being adapted to be sprung into engagement with the top edge of said pusher plate by flattening same whereby said plow blade can be removably associated with said pusher plate.

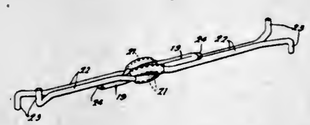
2,498,471
SAFETY APRON
Dorothy D. Williams, Monessen, Pa., assignor of one-half to Mildred F. Lyons, Jackson Heights, N. Y.
Application December 16, 1946, Serial No. 716,613
2 Claims. (Cl. 2—49)



1. A combined safety apron and bib including a body formed with an elongated central portion

of reduced width having parallel sides adapted to engage the shoulders of a wearer and oppositely longitudinally extending outwardly flared front and back continuations thereof constituting a bib adapted to engage the chest and legs of a seated wearer and an anchoring portion adapted to engage the back of a wearer and to be sat upon by the wearer when seated in a chair, said central portion being formed with a neck opening having a plurality of radical slits extending outwardly therefrom, means formed on each of said slits for holding the slots closed, and registerable elongated reinforced ties secured to the opposing longitudinal side edges of said front and back for securing said back and front in closed position under the arms of a wearer and the outer ends of said ties being adapted to be secured to and about the side arms and back of said chair.

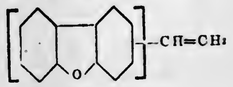
2,498,472
LOAD TRANSFER DEVICE
Ray Cyrus Yeoman, Lufkin, Tex., assignor to Texas Foundries, Inc., Lufkin, Tex., a corporation of Texas
Application March 16, 1945, Serial No. 583,031
9 Claims. (Cl. 94—8)



1. A load transfer device for use with adjacent slabs of concrete or the like comprising a pair of identical elongated members arranged in reversed relation and adapted to be imbedded in the slabs respectively throughout the major portion of their length with their end portions projecting beyond the slabs, the end portion of each member being formed with an opening therethrough and with a reduced tip offset from the opening and of smaller horizontal section and extending through the opening in the other member.

2,498,473
VINYL COMPOUNDS AND THEIR PREPARATION
Royal K. Abbott, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 11, 1944, Serial No. 567,784
12 Claims. (Cl. 260—346)

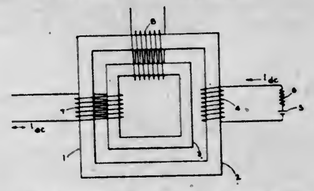
12. A monovinyldibenzofuran corresponding to the general formula



2,498,474
VINYLDIBENZOFURAN POLYMERS
Edward A. Kern and Royal K. Abbott, Jr., Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application December 11, 1944, Serial No. 567,786
9 Claims. (Cl. 260—88.5)

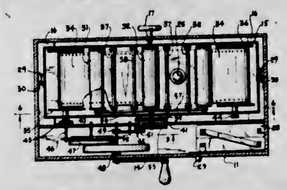
8. A polymeric monovinyldibenzofuran.

2,498,475
SATURABLE MAGNETIC CORE
John Q. Adams, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 6, 1948, Serial No. 25,349
6 Claims. (Cl. 323—89)



1. A substantially uniform permeability magnetic core comprising, in combination, two magnetically parallel closed loop sections of ferromagnetic material, means including an electric circuit linking both of said sections for magnetizing them with a variable magnetomotive force, said material having a conventionally shaped magnetization curve which as the flux density increases from zero is characterized by a lower zone in which the permeability increases separated by a point of inflection from an upper zone in which the permeability decreases by reason of satuartion effects, and means for magnetizing one of said sections with a unidirectional flux having a density in the vicinity of said point of inflection.

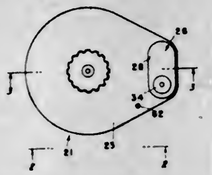
2,498,476
MOTION-ART MECHANICAL TOY
Joseph R. Alfonso, New York, N. Y.
Application May 29, 1946, Serial No. 673,100
5 Claims. (Cl. 40—86)



1. A mechanical toy kit for displaying a set of pictures in consecutive order comprising a main supporting casing having a top wall, a vertical partition separating said casing into a large and a small compartment, brackets in said large compartment between said top and bottom thereof, said top wall having a viewing window in said large compartment, a film container in said large compartment supported on said brackets having a bottom wall and an open top, a film spool rotatably mounted at each of the opposite ends of said container, said container being spaced from said partition and the shafts of said spools passing into said space, a gear on each of said shafts, said shafts being on the horizontal center of said container, film guiding rollers arranged in offset pairs, one pair being directly beneath and adjacent said window when said container is disposed with said open top arranged upwardly, and the other pair being directly beneath and adjacent said window when said container is inverted with said open top arranged downwardly, said container bottom wall containing a viewing window between said other pair of rollers, and a film driving mechanism mounted in said small compartment including a crank at the outer side

of the adjacent casing side wall, a gear in said space for meshing with either of said spool gears depending upon the position of said container on said brackets, and a gear train connecting said gear in said space with said crank whereby said film may be viewed from one side when said container open top is upwardly and may be viewed from the other side when said container open top is downwardly, through said casing window.

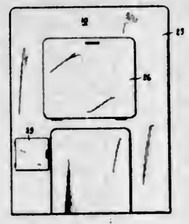
2,498,477
DAYLIGHT DEVELOPING APPARATUS FOR PHOTOGRAPHIC FILMS
Abraham Alk, Paterson, N. J.
Application May 18, 1948, Serial No. 27,733
6 Claims. (Cl. 95—90.5)



1. In a daylight developing apparatus for exposed photographic films, in combination, a tank of light-impermeable wall structure having an opening, a revoluble film carrier turnable from the exterior of said tank and positioned in the interior thereof to receive a film for suspension, light shielded conduit means for developing fluids extending to the interior of said tank, a film holder projecting through said opening and being closely surrounded thereby and arranged to enclose light-impermeably a film holding chamber having a longitudinal light-shielded slot for film withdrawal, and a flange extending laterally from said film holder and normally disposed inside said tank, said film holder normally being reciprocably movable for a distance in excess of the length of said slot between an active position, wherein said slot is disposed entirely within said tank and in register with said carrier for film transfer thereto, and an inactive position, wherein said slot is removed entirely from the inside of said tank to preclude entry through the slot into said chamber of developing fluids subsequently discharged into said tank, said flange adapted in said inactive position to abut from the inside against the wall of said tank adjoining said opening for restraining complete removal of said film holder off said tank to seal the interior of the tank against the entry of light through said opening.

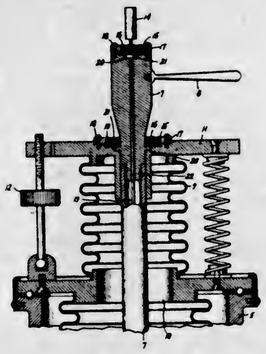
2,498,478
APPARATUS FOR DRYING FABRICS OR THE LIKE
Dale T. Balph, Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 12, 1947, Serial No. 734,018
1 Claim. (Cl. 34—68)

In apparatus for drying fabrics or the like, the combination of a housing including a front wall having first and second access openings formed therein, means defining a drying chamber within the housing and communicating with said first access opening, a basket for containing the fabrics to be treated and disposed within said drying chamber, means rotatably supporting the basket, a motor, means driven by the motor for actuating said basket angularly about its axis for tumbling the fabrics, a duct disposed beneath the drying chamber and extending transversely within the housing for conveying air to the drying chamber, a fan arranged at one end of the duct and actuated by said motor for translating air through the duct, a heater arranged within the duct for heating the air, means defining a drying compartment within the housing and



communicating with said second access opening, said drying compartment being disposed at least in part beneath a portion of the drying chamber and communicating with said duct intermediate the heating means and said drying chamber and first and second doors for respectively closing the first and second access openings.

2,498,479
SEAL ARRANGEMENT
Igor B. Bensen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 27, 1946, Serial No. 657,572
2 Claims. (Cl. 286—11.13)

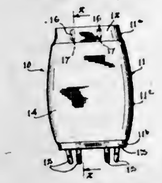


1. A seal for a rotatable shaft extending through a continuous wall having differential pressures upon opposite sides thereof, said wall including a shoulder formed in said wall and surrounding said shaft, a flange sealed to said shaft and having a machine fit in said shoulder on the higher pressure side thereof, a resilient gasket, fitted in a second shoulder of said wall, surrounding said shaft and overlying said flange and a portion of said wall cooperating with said flange, said gasket having an opening smaller than said shaft diameter and being caused to bulge up around said shaft in the high pressure direction, means for clamping said gasket to said wall along its outermost boundary in contact with said second shoulder.

2,498,480
METHOD OF PREPARING FERTILIZER CONCENTRATE
Knud George Bierlich, West Palm Beach, Fla., and Edward Oldroyd Whiteley, New York, N. Y.
No Drawing. Application May 19, 1945, Serial No. 594,799
3 Claims. (Cl. 71—23)

1. A method of preparing a fertilizer concentrate which comprises immersing cellulose refuse containing gums and resins in a solution of a saponifying agent associated with finely divided bentonite clay in aqueous suspension at ordinary temperatures to form a slurry of the mixture, then washing the product to remove the resulting aqueous soapy mixture, drying the residue and thereafter impregnating said residue under super atmospheric pressure with a solution of fertilizer and finally drying the product.

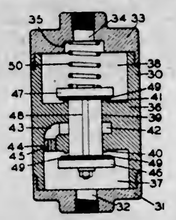
2,498,481
GIRDLE
Charles Braun and William A. Neff, Union City, and Otto Lichtensteiger, Teaneck, N. J.
Application April 17, 1948, Serial No. 21,596
2 Claims. (Cl. 66—176)



1. A garment of girdle-like configuration comprising a body knit of thread having a rubber core, the knit being jersey knit, the two opposite ends of said body being united along one side of said garment, a loop-like band having front and rear walls integral with the top of said body, the knit of said band being of jersey knit, a loop-like band having front and rear walls integral with the bottom of said body, the knit of said bottom band being of jersey knit, said top band being shorter walewise than said body and said bottom band being longer walewise than the top band, the thread of said bands having a rubber core and the opposite ends of each of said bands being sewed together in line with the united ends of said body.

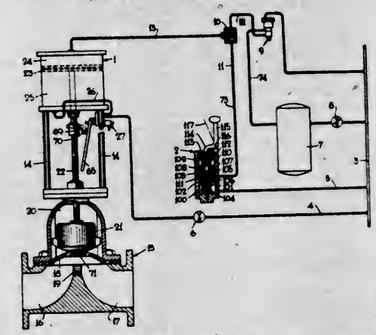
2,498,482
CHECK VALVE DEVICE
Norman G. Cadman and Bertram C. Vigor, London, England, assignors, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 14, 1947, Serial No. 721,939
In Great Britain May 14, 1946
1 Claim. (Cl. 251—118)

A check valve device comprising a casing having a fluid inlet chamber and a fluid outlet chamber and partition means separating said chambers, said partition means having a bore connecting said chambers and a valve seat at each of the opposite ends of said bore, a valve in each of said chambers arranged to cooperate with the respective valve seat to close communication between the respective chamber and bore, a stem extending thru said bore connecting said valves to each other in spaced relation a distance exceeding the length of said bore, spring means acting on said valves for seating the valve in said outlet chamber and for unseating the other valve, and fluid



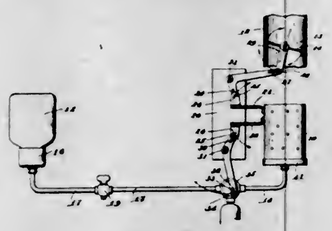
conducting means including a choke connecting said inlet chamber to said bore.

2,498,483
SAFETY CONTROL APPARATUS
James A. Campbell, Wilmette, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 20, 1945, Serial No. 617,471
2 Claims. (Cl. 121—38)



1. In combination, a fluid motor comprising a casing, a power member in said casing, said casing having at one side of said power member a control chamber, a source of fluid under pressure, an operator's control device operable to establish communication between said source of fluid pressure and said control chamber to supply fluid under pressure to said control chamber for moving said power member from one position to another position, and also operable to release fluid under pressure from said control chamber, means operable to effect movement of said power member from said other position to said one position upon release of fluid under pressure from said control chamber, a safety reservoir connected to said source of fluid under pressure and normally charged with fluid under pressure therefrom, a check valve in the communication between said reservoir and source for preventing any reverse flow of fluid under pressure through said communication, valve means separate from said check valve controlling communication between said safety reservoir and control chamber, means operable by fluid under pressure in said source to actuate said valve means to close said communication, and means operable upon loss of fluid under pressure in said source to actuate said valve means to open said communication for supplying fluid under pressure from said safety reservoir to said control chamber to move said power member to said other position.

2,498,484
FIRE PREVENTION APPARATUS FOR RANGE BURNERS
Charles Russell Canty and George A. Gavard, Winterport, Maine
Application May 29, 1946, Serial No. 673,000
1 Claim. (Cl. 158—42.4)



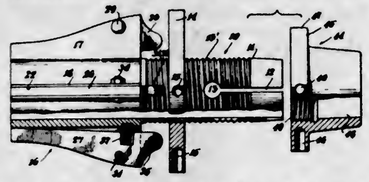
In a range oil burner having a source of oil supply and a perforated burner sleeve forming a part of said burner, a fuel supply line connected with said burner having a two-way valve located in the line and a bleeder receptacle connected to said valve for the purpose of bleeding said burner of excess oil, a bimetallic thermostat member attached at one end to said sleeve, pivoted means engaged with the free end of said thermostat and said valve for the purpose of operating said valve to permit fuel to flow to said burner when the burner temperature is normal and to shut off said fuel supply and bleed said burner when said burner is overheated.

2,498,485
METHOD OF TINNING A STEEL SHELL BEARING
John H. Clawson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 7, 1946, Serial No. 688,965
1 Claim. (Cl. 117—5.5)

The method of partially tinning a steel shell bearing which comprises (1) applying to the outside of the bearing a thin coating of a methyl and phenyl-substituted polysiloxane containing an average of about 1.7 total methyl and phenyl groups per silicon atom, (2) heating the coated bearing at a temperature of about 150° C. to advance the resinous coating to the infusible and insoluble state, (3) placing the bearing in an acid pickling bath and then in a flux bath comprising water and zinc chloride, and (4) dipping the treated bearing in a molten tinning bath maintained at a temperature of around 400° C. to obtain an article tinned on the inside and completely free of tin on the outside.

2,498,486
MEANS FOR SECURING PAPER ROLLS TO ROLL SHAFTS
Michael De Marinis, Bronx, N. Y.
Application March 28, 1946, Serial No. 657,774
11 Claims. (Cl. 242—72)

1. A chuck for a paper roll, comprising an arbor mountable on a shaft, having a frusto-conical section extending from the arbor adapted to fit into the core of the roll, and provided with a plurality of recesses, radially adjustable means pivotally mounted in each recess for firmly contacting the core of said roll, and removable means for engaging the arbor to fix the same around



the shaft and form a tight fit therewith so as to form a unitary structure.

2,498,487
BRASSIÈRE HALTER
Solomon Elias, New York, N. Y.
Application March 4, 1949, Serial No. 79,589
1 Claim. (Cl. 2—42)

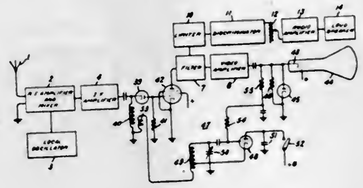


In a halter or brassière having a circular body composed of a wide front section and a narrower back section, resilient means for drawing the body in position about the chest of a wearer, comprising elastic members extended along the inner faces of the top and bottom edge portions of the front section, the top and bottom edge portions of the front section being bent inward into position between the inner face of the front section and said elastic members, stitches securing the inwardly bent edge portions of the front section and said elastic members against the inner face of the front section so that the inner faces of said elastic members will be exposed to bear frictionally against the surface of the wearer's chest so that such frictional contact will restrain said elastic members from freely stretching thereby drawing the front section tight against the breasts under the influence of stretchings caused by chest expansion, the top and bottom edge portions of the back section being turned inward against the inner face of the back section, elastic members positioned between the inner face of the back section and the inturned top and bottom edge portions of the back section in continuation of the elastic members of the front section, and stitches securing the inwardly bent edge portions of the back section and said latter-mentioned elastic members to the inner face of the back section so that the inwardly bent edge portions of the back section will cover the inner faces of said latter-mentioned elastic members retaining them out of frictional contact with the back of the wearer leaving those latter-mentioned elastic members free to stretch under the influence of chest expansions.

2,498,488
TELEVISION INTERCARRIER OR SOUND RECEIVER CIRCUIT
George W. Fyler, Lombard, Ill., assignor to General Electric Company, a corporation of New York
Application June 14, 1946, Serial No. 676,651
4 Claims. (Cl. 178—5.8)

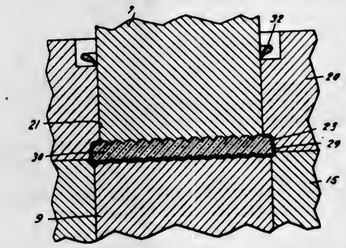
1. In a television receiver, means to receive a picture modulated carrier wave and an audio

frequency modulated wave, said carrier waves being separated in frequency by a constant difference frequency, means for converting both of said waves to waves of different frequency, a single channel connected to translate both of said converted waves, means for mixing said converted waves to provide an audio frequency modulated carrier wave of a frequency equal to the difference between the frequencies of said converted



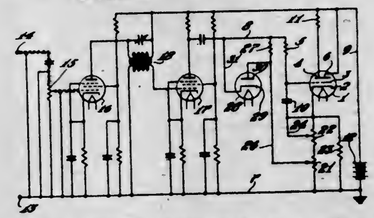
waves, means coupled to said channel and operative in the absence of a received picture carrier wave to supply to said channel waves of the frequency of said converted picture carrier waves, whereby audio frequency waves may be received during the absence of a picture carrier wave, and means for rendering said last means inoperative when a picture carrier wave is received.

2,498,489
METHOD OF MOLDING REFLECTOR DEVICES
John C. Haggart, Jr., Los Angeles, Calif.
Original application October 3, 1947, Serial No. 777,693. Divided and this application February 10, 1948, Serial No. 7,315
3 Claims. (Cl. 18—59)



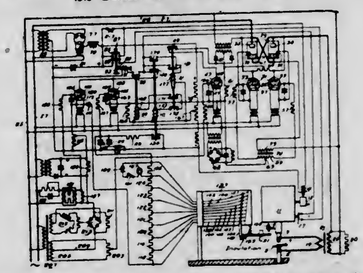
1. The method of forming auto-collimating reflecting disc units of the single refracting lens-reflector type having a plurality of individual lens-reflector elements integrally joined and enclosed in a housing without strain upon the disc, consisting in completely filling a metallic cup with loose powdered fusible thermoplastic material, heating the material to a fusing temperature, axially compressing the cup and contents at said temperature between two dies and causing the cup to expand substantially in diameter, and restraining the upper portion of the side wall of the cup to its original size during said expansion thereby causing the said upper portion to be crimped inward over the molded plastic disc in the cup, and maintaining the pressure until the material is set.

2,498,490
VOLTAGE INDICATING DEVICE
Henry D. Hall, Concord, Mass., assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass., a corporation of Massachusetts
Application November 9, 1944, Serial No. 562,729
5 Claims. (Cl. 177—311)



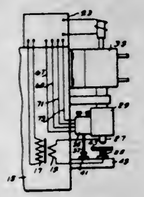
1. Apparatus for detecting an alternating current signal comprising an electron-ray eye having a cathode, plate, grid, target and ray-control electrode, an input circuit having one side connected through resistor means which tends negatively to bias said grid to said cathode and the second side connected through a resistance to said grid, a condenser, a branch circuit leading from the cathode through the condenser to said second side between said resistance and grid, a second branch circuit leading from an adjustable tap on said resistor to said second side, a second resistor in said second branch circuit, and a rectifier in parallel with said second resistor, the cathode of said rectifier being connected to said second side so that the rectified input signal tends to make the grid positive, and means including the rectifier for causing the input signal to counteract said negative bias, whereby the rectified input signal opens the eye when the grid bias is adjusted normally to close the eye.

2,498,491
WELDING CONTROL
Julius Heuschkel, Pittsburgh, Pa., and Philip M. La Hue, Denver, Colo., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1946, Serial No. 705,366
22 Claims. (Cl. 219—4)



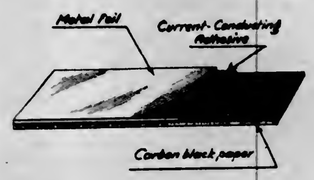
1. Apparatus for use with a resistance welding machine adapted to have energy supplied thereto from an electric power source to produce a weld and having means providing an indication of the thickness of the material to be welded, comprising valve means interposed between said source and machine for controlling the supply of energy, and a control network for said valve means adapted to be coupled to and responsive to said indicating means for limiting the supply of energy to a time interval of a length dependent upon the thickness of the material to be welded.

2,498,492
RESISTANCE WELDING METALS OF DIFFERENT THICKNESSES
Julius Heuschkel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 21, 1949, Serial No. 105,971
7 Claims. (Cl. 219—10)



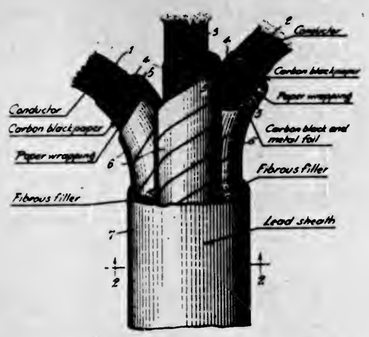
1. The method of welding metals of different thicknesses with apparatus including welding electrodes, means for applying force between said metals of a given thickness and said electrodes and means for supplying current to weld said metals of a given thickness; which comprises the steps of applying a given force between said electrodes and said metals of one thickness, transmitting current of a given peak magnitude through said metals of said one thickness, setting the time during which said current is transmitted in accordance with the thickness of said metals of said one thickness, applying substantially said given force between said electrodes and said metals of a different thickness, transmitting current of substantially said given peak magnitude through said metals of said different thickness, and setting the time during which said last-named current is transmitted in accordance with said different thickness.

2,498,493
ELECTRICALLY CONDUCTING COMPOSITE SHEET
Latimer F. Hickernell, Irvington, N. Y., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
Application June 22, 1945, Serial No. 600,995
1 Claim. (Cl. 174—126)



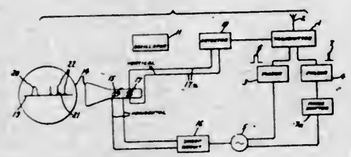
A composite sheet for oil-filled electrical apparatus, said sheet being electrically conducting both longitudinally and transversely and presenting an adsorptive medium for the insulating oil and comprising a sheet of paper impregnated with adsorptive carbon black to provide the adsorptive medium for impurities in the oil, and a layer of metal foil bonded to the adsorptive carbon-impregnated paper with a current-conducting adhesive having particles of carbon dispersed therein in an amount ranging from 1% to 50% by weight of the adhesive.

2,498,494
ELECTRICAL CABLE
Latimer F. Hickernell, Irvington, N. Y., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
Application June 22, 1945, Serial No. 600,996
2 Claims. (Cl. 174—26)



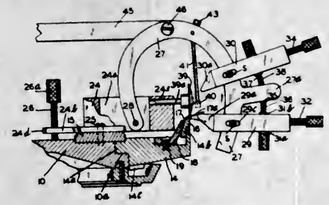
1. A power cable having an exterior metal sheath and one or more conductors therein which comprises a layer of fibrous insulation impregnated with an insulating oil over the conductor, a layer of composite sheet material over the insulation, said composite sheet being electrically conducting both longitudinally and transversely and presenting an adsorptive medium for the insulating oil and comprising a sheet of paper impregnated with adsorbent carbon to provide the adsorptive medium for impurities in the oil and a metal foil bonded to the adsorptive carbon-impregnated paper with a current conducting adhesive having particles of carbon dispersed therein in an amount ranging from 1% to 50% by weight of the adhesive, said paper being in contact with the insulation and said metal foil being in contact with said metal sheath.

2,498,495
METHOD AND APPARATUS FOR PRODUCING RAPID BUILD-UP OF RADIO FREQUENCY OSCILLATIONS
Richard C. Jensen, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 23, 1943, Serial No. 473,279
13 Claims. (Cl. 343—13)



6. In radio locating equipment, an oscillator for connection with an antenna, means for exciting the oscillator by short, high intensity, unidirectional pulses for transmission, means for exciting the oscillator intermediate the high intensity pulses at a lower intensity level such that an echo coupled into the oscillator causes a substantial change in oscillation, and indicating means responsive to the oscillation.

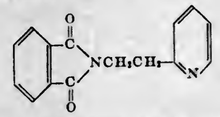
2,498,496
POINT STRAIGHTENING MECHANISM FOR KNITWEAR LOOPING MACHINES
Joseph T. Jullie, Minneapolis, Minn., assignor to Strutwear, Inc., Minneapolis, Minn., a corporation of Minnesota
Application July 10, 1948, Serial No. 38,056
9 Claims. (Cl. 153—39)



1. Mechanism for straightening the radially disposed points of a knitwear looping machine or the like, having in combination a base member having means for attachment in a position adjacent a looper dial, an operating arm mounted in said base for reciprocating movement in substantially a vertical plane, said arm having a portion thereof disposed outwardly of and in close relation to the extremities of said points, means for connecting said arm for reciprocation with a source of power, a point-raising element mounted on said arm and extending radially of the rotary dial of the machine and having an extremity shaped to underlie and raise a point in each upward movement of said arm and a point-depressing element mounted on said arm in spaced relation above said point-raising element and extending also radially of said dial and shaped and positioned to overlie and depress the end of a point in the downward movement of said arm.

2,498,497
2[2(PHTHALIMIDO)ETHYL]PYRIDINES
Frederick K. Kirchner and Chester J. Cavallito, Albany, N. Y., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 10, 1949, Serial No. 98,392
3 Claims. (Cl. 260—295)

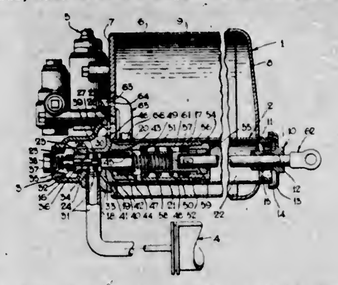
2. 2[2-(phthalimido)ethyl]pyridine, having the structural formula



and melting at approximately 95–97° C.

2,498,498
FLUID PRESSURE BRAKE APPARATUS
Kenneth H. Leech and Charles F. B. Shattock, London, England, assignors, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 14, 1947, Serial No. 722,058
In Great Britain February 22, 1946
6 Claims. (Cl. 303—1)

1. In fluid pressure apparatus, the combination of a reservoir comprising a hollow cylindrical shell closed at one end by an end wall and closed at an opposite end by another end wall, a tubular member extending longitudinally through said reservoir from said one wall to said other wall and having therein a silencing chamber which is open to the atmosphere, a control valve device mounted on one of said end walls and projecting substantially into said tubular member, said device comprising a casing having



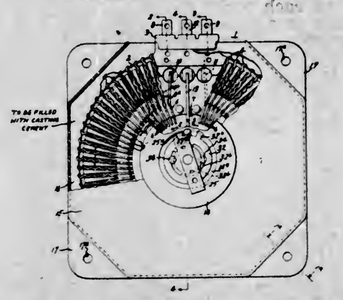
an exhaust port which is open to said silencing chamber, a compressor unloader device mounted on said one end wall and having a fluid exhaust port, and means establishing communication between said exhaust port and said silencing chamber.

2,498,499
PAD FOR IRONER ROLLS
Harry O. Mamaux, Pittsburgh, Pa., assignor to Pittsburgh Waterproof Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1947, Serial No. 784,199
2 Claims. (Cl. 66—190)



1. An ironing roll pad adapted to be wrapped around an ironer roll and having roves therein which, at the longitudinal mid zone of the pad, are in more closely-spaced relation to one another than near the edges of the pad, weft threads holding the roves in assembled relation, and a relatively smooth facing fabric unitarily connected with the weft threads and the roves.

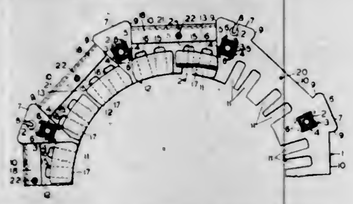
2,498,500
METAL-CLAD PLATE TYPE RHEOSTAT
George L. McFarland, Jr., and Ernest F. Goetz, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application October 21, 1948, Serial No. 55,702
5 Claims. (Cl. 201—53)



1. A plate type rheostat comprising a mounting plate having a first central aperture, an outer

ring of approximately radially disposed resistance elements mounted thereon, an inner ring of radially disposed contacts electrically connected to said resistance elements and forming a series circuit of said elements, said contacts lying against a face of said plate and projecting into said first central aperture, terminal means for said series circuit, a dielectric bearing hub having a second central aperture, said hub overlying said first central aperture and an inner peripheral portion of said mounting plate and lying against said ring of radial contacts thereby to press said contacts against the face of said mounting plate and to hold said contacts in alignment, a contact ring centrally mounted upon said bearing hub and radially inwardly spaced from said ring of contacts, terminal means for said contact ring, a cover plate overlying said mounting plate and a peripheral portion of said hub to hold said mounting plate and said hub together, an operating shaft mounted in the central aperture of said hub, and a pair of angularly spaced electrically connected brushes mounted upon said shaft and engaging said ring and said contacts respectively.

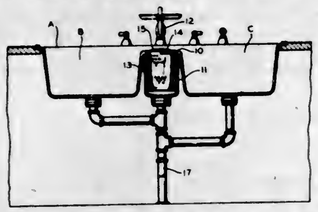
2,498,501
FRICTION BRAKING ELEMENT FOR DISK BRAKES
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 26, 1948, Serial No. 46,208
6 Claims. (Cl. 188—250)



1. An annular friction brake element for a disc type of brake apparatus comprising a ring-like support plate, a plurality of segment-like backing plates spaced from each other around one side of said support plate, friction brake shoe means secured to each of said backing plates adjacent the inner peripheral edge thereof, securing means adjacent the outer peripheral edge of each backing plate removably securing the backing plate to said support plate, a plurality of slots through each backing plate extending generally radially of said support plate and open to the inner edge of the backing plate and extending past and open to the opposite edge of the brake shoe means, and registering slots in said support plate open to the inner peripheral edge thereof.

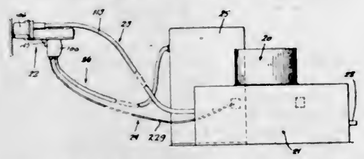
2,498,502
SINK WITH GARBAGE DISPOSAL MEANS
Vincent R. O'Brien, St. Paul, Minn.
Application April 9, 1947, Serial No. 740,362
2 Claims. (Cl. 4—187)

1. A sink comprising a body portion, a central partition integral with said body portion dividing said body portion into two sink compartments, a garbage disposal hopper formed in said partition, an outlet at the bottom of each of said sink compartments, an outlet at the bottom of said hopper, and means for directing a stream of water into said sink compartments and said hopper, whereby garbage may be washed from



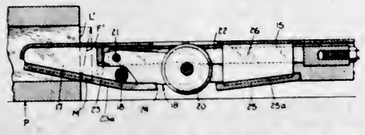
dishes and the like into said hopper prior to the washing of such dishes.

2,498,503
NAIL DRIVING APPARATUS
Rocco Papalia, Bridgeport, Conn.
Application May 9, 1945, Serial No. 592,737
29 Claims. (Cl. 1—1)



1. Nailing apparatus comprising a nail hopper; a portable automatic hammer; means for operating the hammer; a flexible nail feed tube for transferring nails from the hopper to the hammer; electrically operated means movable through a predetermined cycle for feeding the nails along said tube; and means including a manually operable member carried by the hammer, for controlling the operation of the hammer, said means also initiating the cycle of said electrically operated means for feeding nails thereto whereby for each nail driven by the hammer a nail is transferred from the feed tube to reload the hammer.

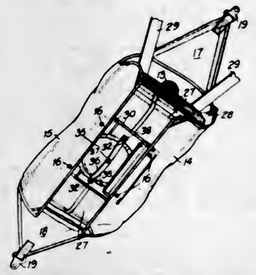
2,498,504
PALLET TRUCK
George F. Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application April 16, 1948, Serial No. 21,347
4 Claims. (Cl. 280—43)



1. In a pallet truck, load wheels, means mounting said wheels at one end of the truck for movement against floor boards of a pallet incidental to the movement of the truck into and out of pallet lifting position, a cam having a surface for contacting a floor board of a pallet, means fixing said cam to form an integral part of said truck with one end of said surface juxtaposed to one of said wheels and just above the horizontal plane of the lowermost portion of the periphery of the said wheel, said surface tapering linearly upwardly away from said end and

wheel whereby when it contacts a floor board it gradually cams said truck upwardly to facilitate movement of said wheel relatively to said floor board.

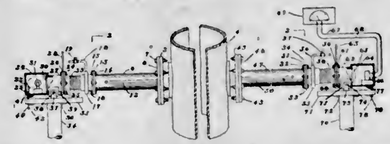
2,498,505
PARACHUTE PACK
John Raymond Cuthbert Quilter, Woking, England
Application October 8, 1947, Serial No. 778,646
In Great Britain October 18, 1946
11 Claims. (Cl. 244—148)



11. A parachute pack of the kind set forth, comprising a base, a plurality of external closure flaps attached to said base for covering the main and pilot parachutes stowed thereon, two oppositely disposed internal flaps for separating said main and pilot parachutes, said internal flaps being each attached at one edge to one of said external flaps and the opposite edges of said internal flaps overlapping when folded over said main parachute stowed on said base, locking studs carried by one of said internal flaps adjacent to said opposite edge thereof, said locking studs being spaced apart by a distance at least equal to a transverse dimension of said pilot parachute when folded for stowage, an ejector board fitted between said main and pilot parachutes, said ejector board being of dimensions to fit flat between said locking studs, over said overlapping internal flaps and beneath said folded pilot parachute, eyelets carried by said external flaps for engagement with said locking studs for maintaining the pack in closed condition, and a tape secured centrally to the canopy of said pilot parachute, said tape being provided with eyelets spaced apart by a distance slightly greater than the spacing of said locking studs, said tape eyelets serving for engagement of said pilot parachute with said locking studs when said pilot parachute is stowed over said overlapping internal flaps prior to the engagement of said external flaps with said locking studs.

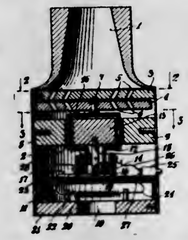
2,498,506
OPTICAL METERING MEANS FOR GAS USING A SLIDING TUBE
John H. Ramser, Chester, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 11, 1947, Serial No. 753,983
5 Claims. (Cl. 88—14)

1. An optical system for determining the concentration of entrained solids in a gas which comprises a duct having opposed openings in the walls thereof, pipes associated with said openings, a light source positioned within one of said pipes, and a light sensitive element positioned within the other of said pipes, a tube slidably mounted within at least one of said pipes and extendable therefrom at right angles into said duct for selectively excluding entrained solids from the portion of the path within said duct traversed by light passing from said light source to said light sensitive element without substan-



tial interference with the normal passage of said entrained solids through said duct, and means for creating a positive gas flow from said pipes and said tube into said duct to remove entrained solids when said tube is extended into said duct.

2,498,507
CIGARETTE LIGHTER
David B. Rosenblatt, Mount Vernon, N. Y.
Application September 7, 1946, Serial No. 695,429
2 Claims. (Cl. 219—32)

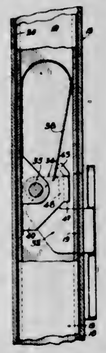


1. A cigarette lighter comprising in combination a housing, a mouth piece through which air may be blown into said housing, an air motor disposed within said housing in the path of air movement therein to be driven thereby, an electrical generator driven by said motor to generate an E. M. F., a filamentary resistance element connected to said generator to receive the electrical output therefrom, a switch to open and close the connection between said resistance element and said generator, and said housing having a passage communicating with said resistance element to receive and position the end of a cigarette in contact with said resistance element and to direct the air blown into said housing against said cigarette.

2,498,508
LOCKER LATCH
Nathan H. Rudolph, Aurora, Ill., assignor to All-Steel-Equip Company, a corporation of Illinois
Application November 8, 1945, Serial No. 626,943
3 Claims. (Cl. 292—24)

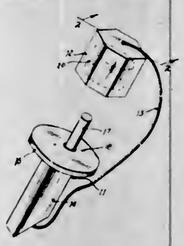
1. A latching device for use with a door frame member and a cooperating door member including a keeper fixed to one of said members, a cooperating latch bar on the other of said members, a pivoted catch on the latch bar adapted to be swung about its pivot in one direction when first engaged by the keeper as the door is being closed and while the latch bar is in latched position, and then as the door is further closed and while the latch bar is still in latched position, to rotate about its pivot in the other direction to fall behind the keeper and latch the door,

and a leaf spring having one finger urging the catch about its pivot in said other direction and



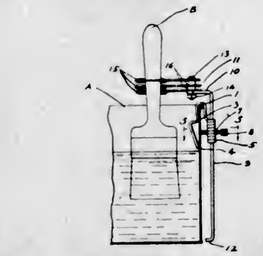
another finger for yieldingly limiting rotation of the catch in the same direction.

2,498,509
THROWING TOY
Jose Santiago, New York, N. Y.
Application October 30, 1947, Serial No. 783,013
2 Claims. (Cl. 273—97)

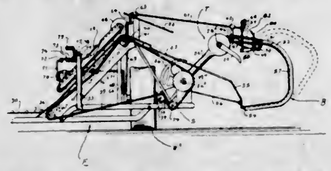


1. A toy comprised of a spear, a block having an opening therein and a line, the spear having a gripping section, a guard, pegs and a pin, the gripping section being positioned at the lower end of the spear and being suitable for holding in the hand, the guard being positioned above the gripping section and having a plurality of holes in its upper part symmetrically positioned and slidably containing the pegs, the pin being positioned above the guard and extending upwardly therefrom, the block and opening being so positioned and of such a size that the block can rest on the guard and pegs with the pin extending in the opening and the line having one of its ends secured to the spear and the other to the block, whereby the block can be suspended from the spear and swung through an arc and the spear so positioned that the block will fall on the guard about the pin and rest on the pegs.

2,498,510
BINDER
Paul R. Schroeppel, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application July 30, 1942, Serial No. 452,900
5 Claims. (Cl. 56—131)



5. A bundle carrier for a binder, including a tying mechanism movable forward and back for accommodating different heights of crop, said bundle carrier comprising a frame work supported from said tying mechanism, a sheet metal covering for said frame work providing a closed bundle carrier, a foot lever connected for raising said bundle carrier for emptying the same, a linkage for communicating the motion of said foot lever to the bundle carrier, said linkage having a portion adapted to move past center for locking the bundle carrier in carrying position, and an as-



sisting spring connected with the bundle carrier at a point such that the leverage of said spring tending to raise said carrier increases as said carrier is lifted, and said bundle carrier being movable with said tying mechanism whereby to be in position to effectively collect bundles of the particular length for which said tying mechanism is adjusted.

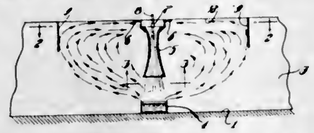
2,498,511
PAINTBRUSH CLAMP OR HOLDER
Nels J. Smith, Columbia Falls, Mont.
Application March 7, 1946, Serial No. 652,688
4 Claims. (Cl. 211—65)

1. In a device of the class described, a pair of laterally spaced anchoring hooks adapted to fit over the top edge of an open container, laterally spaced, vertically extending guide members on the outer ends of said hooks, means for maintaining the outer ends of said hooks in spaced relation to the walls of said container, a pair of supporting rods frictionally, adjustably mounted in said guide members, the upper ends of said supporting rods terminating in a supporting bracket, and a horizontally disposed paint brush holder pivoted on vertical axis to said supporting bracket for movements over contents of said container.

2,498,512
FIRE-EXTINGUISHING APPARATUS
Norman J. Thompson, Newton, Mass., assignor to Factory Mutual Research Corporation, Boston, Mass., a corporation of Massachusetts
Application August 30, 1946, Serial No. 693,861
2 Claims. (Cl. 169—12)

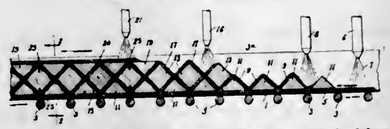
1. For extinguishing a fire inside a room, the combination of a duct open at both ends, means for mounting the duct directly over the fire with its axis extending approximately vertically, and a nozzle approximately in said axis for directing a jet of fire-extinguishing material along the

duct and thence to the fire to cause the combustion products of the fire to spread outwardly in different directions, the upper end of said duct being close to the ceiling but spaced therefrom



so that the products of combustion which rise to the ceiling are drawn inwardly from said different directions into the upper end of said duct by said jet and directed from the lower end of the duct back to the fire.

2,498,513
METHOD OF MOLDING HOLLOW CONCRETE BLOCKS
Michael vande Cuypers, New York, N. Y.
Application February 12, 1947, Serial No. 728,165
8 Claims. (Cl. 25—155)



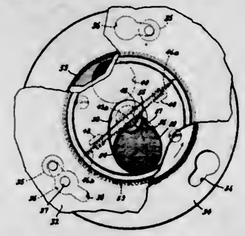
1. The method of making hollow concrete blocks consisting in depositing successive layers of concrete in substantially fluid form upon a traveling conveyor, and in depositing form pieces on the conveyor between the deposit of the several concrete layers and removing the form pieces to thereby provide passages extending through the resultant concrete blocks.

2,498,514
ZIRCONIUM COMPOUND DEODORANT AND ANTIPERSPIRANT
Henry L. Van Mater, Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 18, 1946, Serial No. 642,107
7 Claims. (Cl. 167—90)

1. A deodorant and anti-perspirant composition comprising a dispersing medium of an emulsified oil and containing dispersed therein as the active ingredient the reaction product of an acidic water soluble salt of zirconium and an hydroxy aliphatic acid and sufficient water soluble alkali to render said product non-acid and water soluble.

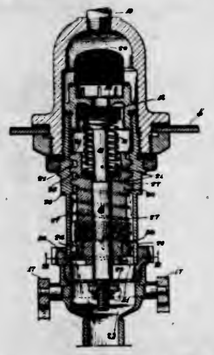
2,498,515
MEANS FOR FEEDING GRANULAR MATERIAL TO A MILL AND THE LIKE
Ernest A. Wagner, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application October 14, 1944, Serial No. 558,622
6 Claims. (Cl. 222—370)

2. Feeding mechanism for granular material comprising a feed chamber having a discharge opening, a granule supply hopper having a discharge opening discharging into said feed chamber at a point offset laterally from said first-named opening, a feed control member rotatable in said feed chamber having a cavity for receiving a predetermined quantity of granules from said hopper, said control member having a surface which masks said hopper discharge opening for a portion of a revolution of said control member, and further, having an opening in said surface which registers with said hopper discharge opening in order to load the cavity as the control member rotates, and the cavity having a discharge opening at the bottom which upon rotation of the control member moves into registry with said first-named opening so as to discharge the granules therein, and means for



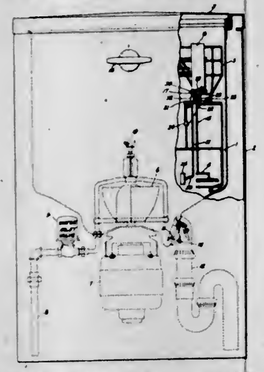
rotating said feed control member including a drive shaft extending into said feed chamber in the axis of rotation of said feed control member and having a flat section thereon located in said chamber, a pair of flat spring members positioned diametrally of said feed control member and receiving between them said flat section of said shaft, and means fixedly attaching the ends of said flat springs to said feed control member, said springs thereby forming a yieldable friction drive between said shaft and feed control member.

2,498,516
FLOW CONTROL NOZZLE
Kyle C. Whitefield, Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 4, 1948, Serial No. 6,299
6 Claims. (Cl. 138—43)



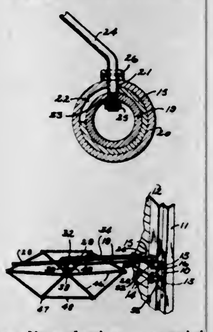
1. A device for controlling flow of a liquid from a source under pressure at a controlled rate comprising an outer cylindrical member, an inner cylindrical member enclosed in the outer member, one of said members having a helical groove adjacent a surface of the other member to provide a flow controlling passage between the members, a coiled spring cooperating with the groove for adjustably controlling the rate of flow through said passage, and inlet and discharge passages cooperating with said members for directing liquid flow through said groove.

2,498,517
DETERGENT SUPPLYING MEANS FOR DISHWASHING APPARATUS
Gaylord H. Wotring, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 23, 1945, Serial No. 579,418
3 Claims. (Cl. 134—56)



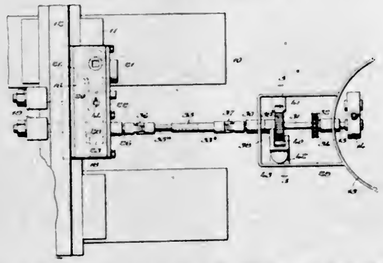
1. Dishwashing apparatus comprising a vat, a liquid circulating impeller in said vat for circulating water therein, a container in said vat for a detergent, a wall of said container being movable relatively thereto so that when the container and wall are in a first relative position said detergent is held within the container and when moved to a second relative position detergent is discharged into said vat, means biasing said container and wall to said second relative position, locking means for holding said container and wall in said first relative position against the force of said biasing means, and means operated responsively to the circulation of liquid in said vat by said impeller for operating said locking means to release said container and wall to permit the biasing means to move them to said second relative position.

2,498,518
CIRCULAR CLOTHESLINE FOR WINDOWS
Sam Zingman and Joseph Krinick, Brooklyn, N. Y.
Application February 23, 1946, Serial No. 649,651
9 Claims. (Cl. 211—115)



3. A clothes line device comprising a vertical bracket, two vertically spaced orificed brackets extending from said vertical bracket, a horizontal outer tube pivotally mounted on said orificed brackets, a tube rotatably mounted inside said outer tube, a collar mounted on said outer tube over a portion of said inner tube, said collar having a smooth orifice, said outer tube having a circumferential slot, and said inner tube having a threaded orifice all in line, a handle extending through said collar orifice and slot and threadedly connected to said inner tube orifice and having a boss adapted to lock against the outer face of said collar, whereby when said boss is unlocked, said inner tube can be rotated in said outer tube, a clothes line support mounted horizontally on said inner tube and adapted to be swung vertically by said handle, and means for locking said outer tube in any rotated position on said orificed brackets.

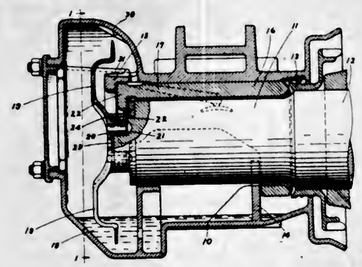
2,498,519
ACTUATING MEANS FOR RAIL LUBRICATING PUMPS
Sidney E. Bates, Chicago, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application January 30, 1948, Serial No. 5,297
4 Claims. (Cl. 184—3)



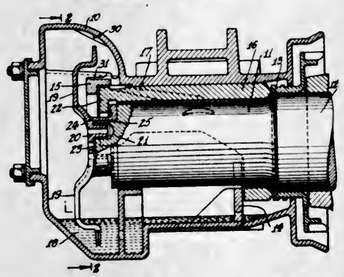
1. Actuating means for a device to be operated, said means comprising a lever, means mounting said lever upon a railway rail for vertical movement therewith, means whereby downward movement of the rail rocks said lever in one direction, a shaft mounted on the rail, a crank arm on said shaft, a connection between said lever and said crank arm whereby said shaft is rocked responsive to rocking of said lever by downward movement of the rail, a second shaft, a third shaft connected at one end by a universal joint to said first mentioned shaft and at its other end by a universal joint to said second shaft, a shaft to be driven, a driving ratchet element fixed to said second shaft, a driven ratchet element fixed to said shaft to be driven, and a spring acting through said driving ratchet element and said second and third and said first mentioned shafts and said universal joints to rock said lever in the opposite direction upon upward movement of the rail and to maintain torque in said second and third and said first mentioned shafts and said universal joints.

2,498,520
RAILWAY JOURNAL AND FREE OILING SYSTEM THEREFOR
William Blackmore, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application March 6, 1945, Serial No. 581,251
6 Claims. (Cl. 308—86)

1. A journal box having a journal, a journal bearing associated with said journal, an oil-conveying means on the front of said journal for the lubrication of said journal, stop means on said bearing for limiting movement of said oil-conveying means away from the end of said journal, and stop lugs on said oil conveying means received in openings in the end of said journal for holding substantially securely said oil-conveying means to said journal when rotating in operation.



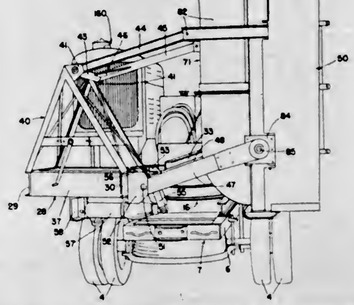
2,498,521
THRUST ARRANGEMENT FOR RAILWAY JOURNAL BOXES
William Blackmore, Richmond, Va., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Original application March 6, 1945, Serial No. 581,251. Divided and this application June 20, 1946, Serial No. 678,002
9 Claims. (Cl. 308—41)



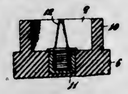
1. In a journal box, a journal, a journal bearing associated with said journal, said bearing comprising a forwardly extending thrust receiving portion overlapping the end of the journal and a rearwardly extending thrust receiving portion, a first thrust stop above the horizontal axis of said journal for engaging said forwardly extending thrust receiving portion, and a second thrust stop below the horizontal axis of said journal for engaging the front end of said rearwardly extending thrust receiving portion.

2,498,522
ROTARY SNOWPLOW
Egon G. Berg and Arend Voorderman, Cedar Rapids, Iowa, assignors to Universal Engineering Corporation, Cedar Rapids, Iowa, a corporation of Iowa
Application February 28, 1945, Serial No. 580,164
3 Claims. (Cl. 37—43)

1. In a snow removal device, a mobile support, a turntable mounted thereon for rotation about a vertical axis, a frame mounted on the turntable, the said frame having a portion thereof, generally to the rear of the vertical axis, extending transversely beyond one side of the mobile support, a braced framework mounted upon and extending upwardly from the transversely extending portion of the frame, a casing disposed forward of the frame extension and at the side of the mobile support, vertically swingable arms extending generally forwardly from the braced framework and operatively connecting the said braced framework and the casing whereby movement of the casing is permitted in a vertical plane substantially parallel with the direction of motion of the mobile support, and means for securing the arms and the casing in any desired position.



2,498,523
TIRE CHAIN
Philip E. Bergen, Farmington, Conn.
Application November 13, 1947, Serial No. 785,581
2 Claims. (Cl. 152—222)

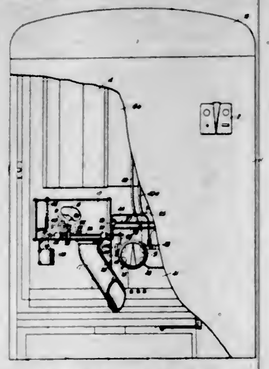


2. A tire chain of the character described comprising a plurality of cross straps each constructed of resilient material and having a plurality of spaced cups with resilient surrounding walls projecting upwardly from the surfaces of said straps to provide vacuum cups, an insert embedded in the bottom of each of said recesses, a calk having a stud threaded to said insert, and a base resting upon the said surface, and a projection extending upwardly from said base into a point coplanar with the upper edge of the surrounding wall.

2,498,524
DRINK VENDING MACHINE
Jack J. Booth, Dallas, Tex.
Original application November 5, 1947, Serial No. 784,177. Divided and this application May 13, 1948, Serial No. 26,769
5 Claims. (Cl. 225—21)

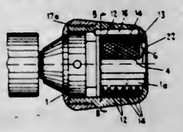
1. In a beverage dispensing mechanism, in combination; a water carbonator comprising a diffusing vessel having an inlet connected to a source of water, a CO_2 inlet pipe into the vessel connected to a CO_2 supply, a block of heat conducting metal about the diffusing vessel and in heat exchange relation therewith, separate passageways in said block having the form of concentric coils ar-

ranged one within another, a refrigerating unit having connections with the innermost coil to pass a refrigerant therethrough, the source of



water connected to an outer coil, said outer coil discharging into the diffusing vessel and a pipe for discharging carbonated water from the vessel.

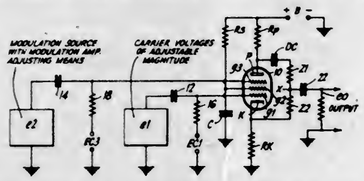
2,498,525
DRILL CHUCK
Carl Walter Bräcker, Pfaffikon, Switzerland
Application February 18, 1947, Serial No. 729,327
In Switzerland December 21, 1945
8 Claims. (Cl. 279—72)



1. A drill chuck comprising a chuck head, drill holding members and a rotatable shell housing, resilient means urging the drill holding members in radial direction to a position corresponding to the maximum range of the drill chuck, and other resilient means urging the rotatable shell type housing to rotate in a direction corresponding to the minimum drill chuck range, a guide disk rigidly connected to the shell housing to guide the drill holding members, a second guide disk frictionally coupled to the shell housing for intermittently rotating with said shell-housing, said disks guiding the drill holding members from a minimum to a maximum drill size shaft range, whereby said guide disk coupled frictionally to the rotatable shell-housing guides the drill holding members from the minimum range to an intermediate position of the total range, and the other guide disk from said intermediate position to the maximum range of the drill chuck, said disks being operable by rotating the shell-housing in a direction opposing said other resilient means.

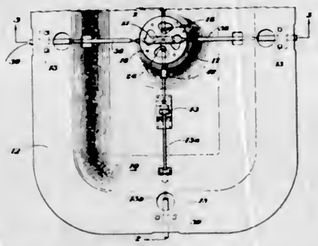
2,498,526
BALANCED MODULATION
Thomas T. N. Bucher, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 19, 1948, Serial No. 9,598
8 Claims. (Cl. 332—64)

1. In a modulation system, an electron discharge tube having a cathode, an anode, another electron receiving electrode, a first grid the potential on which controls the total cathode current of the tube and a second grid the potential on which controls the distribution of the current in the tube to the anode and other electrode, a source of voltage to be modulated coupled to said first



grid, a source of modulation potentials coupled to said second grid, and an output circuit coupled to the anode and cathode in such a manner that voltages therein oppose, the opposed voltages being substantially equal for a selected value of said modulation potentials.

2,498,527
AIRCRAFT DOOR
John B. Castle, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., a corporation of Delaware
Application December 27, 1944, Serial No. 570,025
8 Claims. (Cl. 292—40)



1. In a door structure, means for controlling a plurality of door latch bolts comprising a pair of plate elements, a multiple crank element coaxially mounted with said plate elements upon a shaft member extending through said door structure, means interconnecting said crank element with said latch bolts, variable length means pivotally interconnecting said crank and plate elements and resilient means arranged to oppose variation of said variable length means adapted to urge said crank element into its extreme latched and unlatched positions.

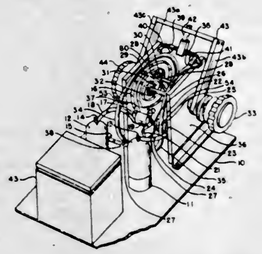
2,498,528
INFANT'S UNDERSHIRT AND THE LIKE
Charles H. Clarendon, Jackson Heights, N. Y.
Application August 25, 1948, Serial No. 46,063
3 Claims. (Cl. 2—112)



1. An upper garment comprising a cloth body portion having at the lower sides thereof inserts

formed of substantially non-elastic network, the spacing between the strands of the network being greater than the spacing of the threads of the cloth whereof said body portion is formed, and the threads of which the network is formed having a breaking strength greater than that of the threads of the cloth, whereby an openwork resistant area free from the body cloth is provided for easy pinning.

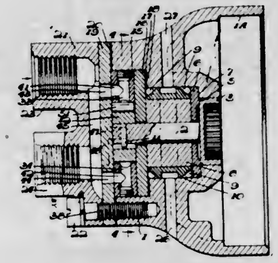
2,498,529
HIGH-FREQUENCY OSCILLATOR
James L. Clark, Elmhurst, Ill., assignor to United States of America as represented by the Secretary of War
Application April 30, 1946, Serial No. 666,006
4 Claims. (Cl. 250—36)



1. In combination, a push-pull variable frequency electronic oscillator, a first thermionic tube, a second thermionic tube, a tank circuit comprising a first and a second coil, said first coil being associated directly with said first tube, said second coil being associated directly with said second tube, each of said coils having a spiral shape, the lengths of said coils being an appreciable fraction of the operating wavelength, first movable short-circuiting means connecting said first and said second coils, whereby movement of said first short-circuiting means varies the electrical length of said coils, means for feeding energy back from said first tube to said second tube and from said second tube to said first tube; and an adjustable output means comprising a coaxial line having an inner conductor and an outer conductor, said outer conductor being positioned near said first coil and having a shape similar to that of the outside loop of said first coil, a single wire conductor positioned near said second coil and having a shape similar to that of the outside loop of said second coil, one end of said single wire conductor being connected to the inner conductor of said coaxial line at a first point on said coaxial line, the other end of said single wire conductor being connected to the outer conductor of said coaxial line at a second point on said coaxial line, and second movable short-circuiting means for adjusting the electrical length of said output means.

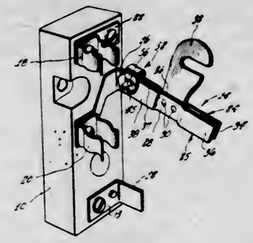
2,498,530
ROTARY PUMP
Charles G. Cooke, Little Ferry, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 18, 1943, Serial No. 502,988
3 Claims. (Cl. 103—136)

1. A rotary pump, comprising, in combination, a housing, a circular shaped magnet having opposite poles at opposite ends thereof, said magnet mounted in said housing and having an eccentric bore formed therein, a rotor positioned in said bore, a plurality of impeller rollers reciprocably mounted along the periphery of said rotor and having their axes of rotation extending longitudinally between said opposite poles, said eccentric bore having an inlet and an outlet means



for a fluid medium, and said circular shaped magnet attracting said impeller rollers into contacting relation along the inner periphery of its eccentric bore, whereby upon rotation of said rotor said impeller rollers act upon the fluid medium within said eccentric bore for pumping said fluid medium from said outlet means.

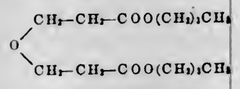
2,498,531
ELECTRIC SWITCH
Melvin B. Cole, River Edge, N. J., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J., a corporation of Delaware
Application July 24, 1947, Serial No. 763,205
5 Claims. (Cl. 200—162)



1. In an electric switch which comprises a metal stud having an opening therethrough, and a movable switch-contact blade having laterally spaced parts disposed at opposite sides respectively of said stud and provided with openings registering with said opening of the stud, a pivot pin passing through all of said openings for pivotally securing said blade to said stud, said pin having a head engaging the outer surface of one of said parts and a stem projecting through said openings beyond the outer surface of the other of said parts, and spring means pressing said head against said one of said parts, and thereby pressing said one of said parts against the adjacent side of said stud, said spring means also pressing the other of said parts against the other side of said stud independently of said pin.

2,498,532
RUBBERLIKE POLYMERS PLASTICIZED WITH DIBUTYL DIHYDRACRYLATE
Russell T. Dean, Baltimore, Md., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 17, 1945, Serial No. 605,643
3 Claims. (Cl. 260—31.8)

1. A plasticized elasticated composition of matter of low brittle point comprising a rubber-like elastomer selected from the group consisting of polymerized vinyl chloride and a 1,3-butadiene-acrylonitrile copolymer, and, as plasticizer and elasticator, an ester of the formula



said ester being substantially uniformly dispersed throughout said composition, the weight of said ester being equal to between about 5% and 50% of the weight of elastomeric material in said composition.

2,498,533
RESINOUS COMPOSITIONS
Ludwig H. Dimpfl, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 19, 1946, Serial No. 655,598
9 Claims. (Cl. 260—45.4)

1. A resinous composition comprising the condensation product of (I) a linear condensation polymer formed by the reaction of (*a*) a cyclohexadiene dicarboxylic acid having conjugated ethylenic unsaturation and (*b*) a member of the group consisting of the dihydric alcohols, the diamines and the amino-alcohols and (II) a linear condensation polymer formed by the reaction of (*c*) an alpha, beta, ethylenically unsaturated aliphatic dicarboxylic acid and (*d*) a member of the group consisting of the dihydric alcohols, the diamines and the amino-alcohols.

2,498,534
SPLATTER SHIELD FOR FRYING PANS AND THE LIKE
Vern R. Drum, Detroit, Mich.
Application July 26, 1947, Serial No. 763,935
2 Claims. (Cl. 220—24)



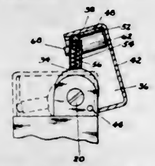
1. A splatter shield for frying pans and the like comprising a relatively narrow sheet metal annular rim having an outer peripheral upturned edge portion, an inner peripheral edge portion in the form of a downwardly opening annular channel, a web portion connecting said inner and outer peripheral edge portions, said web portion having a part thereof shaped into a depending flange extending below said edge portions, a crowned annular fine mesh wire central portion disposed within said rim, the outer peripheral edge of said central portion being reversely bent and disposed in said channel.

2,498,535
WINDOW FASTENER
Harold Walter Falk, Minneapolis, Minn., assignor to Wright Products, Inc., St. Paul Park, Minn.
Application December 23, 1946, Serial No. 717,874
4 Claims. (Cl. 292—263)



4. A window fastener for connecting a window member to its frame member, said fastener including a pair of pivotally connected links, means pivotally connecting one of said links to one of said members, means pivotally and detachably connecting the other of said links to the other of said members, said detachable connection including a headed pivot projecting from said other member, a slot in said other link adjacent the free end thereof, said slot engageable with said pivot beneath the head thereof, a spring strip secured to said other link at a point remote from the slot, said strip extending over said slot, an aperture in said strip for receiving the head of said pivot and holding said pivot from longitudinal movement in said slot, an elongated aperture in said arm between said slot and the point of fastening between said strip and said other link, and an elongated projection on said spring strip extending through said elongated aperture.

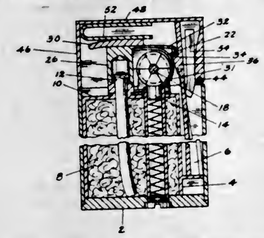
2,498,536
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application December 29, 1947, Serial No. 794,398
2 Claims. (Cl. 67—7.1)



1. In a cigarette lighter, a body, a wick, a cover, means pivotally mounting said cover on said body for movement between positions covering and uncovering said wick, igniting means for said wick, and means operatively connecting said cover to said igniting means to operate the same when the cover is moved to uncovering position, said connecting means including resilient means for yieldingly holding said cover in either covering or uncovering position, said cover mounting means including ears upstanding from said body and located within the cover when in covering position, said cover having side walls next to the outer surfaces of said ears, a pin extending through said ears and turnably engaged in said side walls, and a piece threaded in one of said ears and engaging said pin to prevent displacement thereof, said piece being accessible when said cover is in uncovering position.

2,498,537
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application November 18, 1948, Serial No. 60,693
2 Claims. (Cl. 67—7.1)

1. A cigarette lighter comprising a body portion including a fuel container, a wick extending from the top thereof, igniting mechanism mounted on the top of the body portion, a snuffer pivoted on top of the body portion for movement between wick covering and uncovering positions, a spring acting between the body and the snuffer urging said snuffer towards uncovering position, means operatively connecting said snuffer to said igniting mechanism for operating said igniting mechanism when said snuffer moves to uncovering position, a cover pivoted on said body portion and adapted to enclose said wick, snuffer and igniting mechanism, latch means normally holding said snuffer in covering position, said latch means including a spring blade having one end



fixed to the body portion and having near its free end a shoulder engaging under said snuffer, means on said cover engageable with the free end of said blade to release said latch means when said cover is raised to uncover the wick, snuffer and igniting mechanism, said snuffer and cover having cooperating portions engageable with one another when the cover is closed to move the snuffer to covering position, said blade returning to holding position when the cover is closed and the snuffer moved to covering position, and yieldable means resiliently holding said cover in closed position.

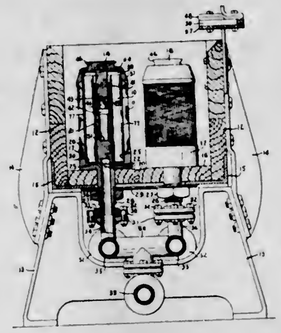
2,498,538
SYNTHETIC MANUFACTURE OF UREA
Jean Leon Maurice Frejacques, Paris, France, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France, a corporation of France
No Drawing. Application July 22, 1947, Serial No. 762,813. In France March 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1961
2 Claims. (Cl. 260—555)

1. In a process for the synthetic manufacture of urea by heating carbon dioxide with ammonia under pressure in an inert viscous liquid, the step of separately injecting a heat absorbent consisting of an inert viscous hydrocarbon liquid into the reaction zone, at the same time as the carbon dioxide and ammonia, whereby the carbamate formation takes place under pressure in the said zone and in the presence of the said heat absorbent hydrocarbon liquid, and whereby the reaction temperature is regulated by regulating the quantity of hydrocarbon liquid injected.

2,498,539
METHOD OF CRYSTALLIZING UREA
Jean Leon Maurice Frejacques, Paris, France, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France, a corporation of France
No Drawing. Application July 22, 1947, Serial No. 762,814. In France February 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 3, 1962
5 Claims. (Cl. 260—555)

3. In a method of crystallizing urea in a sandy form from an aqueous solution thereof, the step of adding to the aqueous urea solution to be crystallized a small amount, in relation to the weight of the solution to be crystallized, of a member of the group consisting of cyanuric acid and its inorganic base salts.

2,498,540
APPARATUS FOR PROCESSING THREAD IN THE FORM OF A PACKAGE
Louis S. Fryer, Cleveland, Per J. E. Andersson, Lakewood, and Wayne J. Jokilehto, Ashtabula, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Original application June 10, 1940, Serial No. 339,667. Divided and this application July 17, 1946, Serial No. 684,182
8 Claims. (Cl. 68—189)

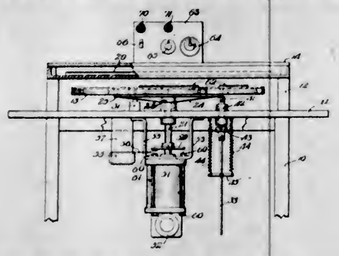


1. Apparatus for the processing of thread comprising, a contractible core upon which a thread package may be wound over less than the full length of said core so as to leave a portion of each end free of thread, recessed sealing means receiving the thread-free core ends into which said ends extend in frictional contact and to locate the package, said recesses in said sealing means having a lesser diameter than the uncontracted core and constricting the core away from the package, said sealing means making fluid-tight contact with the ends of the package to prevent leakage of a processing medium and elongation of the package, means for introducing a processing medium between the core and the package under a substantially uniform pressure, and means for collecting the spent processing medium.

2,498,541
SHOEMAKING APPARATUS
Isa Galper, Manchester, N. H., assignor to Bee Bee Shoe Co., Manchester, N. H., a corporation of New Hampshire
Application May 28, 1948, Serial No. 29,677
7 Claims. (Cl. 154—1)

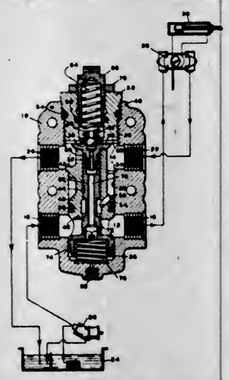
1. An automatic shoe lining press comprising a frame, a turntable presenting a surface in the shape of an oblong cross with arms of equal length and breadth mounted on the said frame so as to rotate freely, heating means suspended above the said turntable presenting a flat surface in the same shape and dimensions as one of the transverse cross arms of the said turntable, automatic means for elevating the said turntable after partial rotation and pressing it against the said heating means at predetermined pressure, auto-

matic means for actuating the said elevating means at spaced intervals in the rotation of the



said turntable, and an automatic timer controlling the length of pressing time.

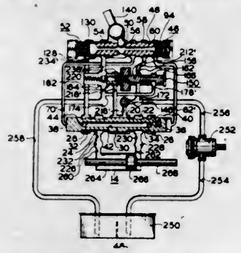
2,498,542
RELIEF VALVE FOR POWER TRANSMISSIONS
Duncan B. Gardiner, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 20, 1944, Serial No. 527,224
12 Claims. (Cl. 137—53)



2. A pilot-controlled, pressure responsive valve comprising in combination a body member having a pressure space and a discharge space at a distance from the pressure space and formed with a valve seat at the pressure space in communication with the discharge space, means forming a control chamber on the opposite side of the pressure space from the valve seat, a valve having a head normally closing off the seat and a control piston slidable in the control chamber, a pilot valve seat adjacent the discharge space and communicating with the control chamber, the control chamber being in restricted communication with the pressure space, and a pressure responsive pilot valve normally closing said pilot valve seat.

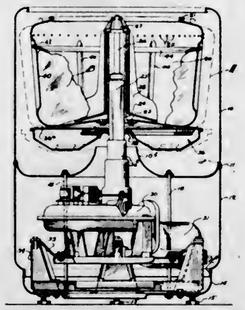
2,498,543
POWER TRANSMISSION
Duncan B. Gardiner, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application January 25, 1947, Serial No. 724,443
11 Claims. (Cl. 60—52)

2. A unitary control panel for use in a hydraulic power transmission having a fluid pump and reversible fluid motor, said panel comprising in combination a body, a reversing valve shiftably mounted therein for reversing the flow of fluid to and from the motor, a pilot valve shiftably mounted therein adapted to be actuated in opposite directions by the motor for controlling the reversing valve, a motor return connection,



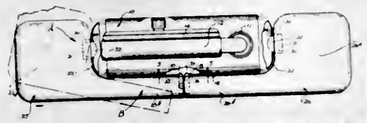
and a single valve means mechanically associated with the pilot valve shiftably mounted within the body for automatically gradually closing said connection near the end of a motor stroke to decelerate the motor and for automatically gradually reopening the same connection on the opposite stroke of the motor to accelerate the latter.

2,498,544
CLOTHES RECEPTACLE FOR WASHING MACHINES
Andrew H. Gerhardt, Skokie, Ill., assignor to Thor Corporation, a corporation of Illinois
Application May 4, 1945, Serial No. 591,873
2 Claims. (Cl. 210—76)



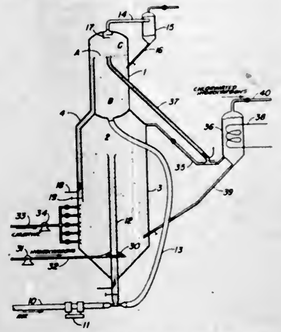
1. In a centrifugal laundering machine, the combination of an upright driving shaft, an upwardly open receptacle of circular cross-section mounted on and adapted to be driven by said shaft, the side wall of said receptacle tapering in an upwardly and outwardly direction; the upper portion of the side wall of the receptacle being formed with a series of circumferentially spaced-apart apertures through which liquid from the receptacle is caused to be discharged incident to rotation of the receptacle, said side wall of the receptacle, below said series of apertures, being formed with a plurality of inwardly projecting sockets, and an annular baffle seated in said sockets, and disposed in spaced-apart relation to said side wall of the receptacle, whereby the clothes in the receptacle is limited in upward movement in the receptacle and precluded from covering said apertures while the receptacle is rotating.

2,498,545
LAPBOARD FOR IRONING MACHINES
Andrew H. Gerhardt, Skokie, Ill., assignor to Thor Corporation, a corporation of Illinois
Application August 24, 1945, Serial No. 612,356
2 Claims. (Cl. 38—68)



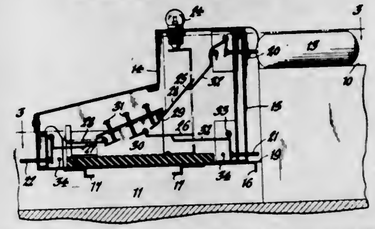
1. In combination, an ironing machine having an elongated base provided with a front wall and end walls, a lap board comprising two oppositely formed angularly shaped members each having a main article supporting portion and a connecting leg portion, and adapted to be operatively associated with said base in opposed, substantially horizontal relation with the main portions of said members disposed in close relation to and constituting shelves at each end of said base, and with the leg portions positioned in close relation to the front wall of the base with the outer free ends of said leg portions disposed in substantially abutting relation, means comprising cooperating interengaging features on said end and front walls of the base and at correspondingly related locations on the respective portions of each of said members for detachably securing said members to said base, and means for detachably locking the outer ends of said leg portions of said members together for releasably securing said members in operative relation to the base.

2,498,546
MANUFACTURE OF HALOGENATED HYDROCARBONS
Everett Gorin, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1946, Serial No. 640,651
11 Claims. (Cl. 260—659)



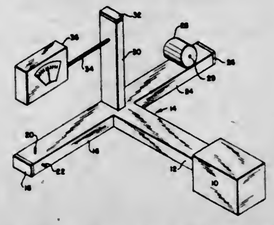
1. The process for the chlorination of paraffinic hydrocarbons which comprises introducing the hydrocarbons to be chlorinated and hydrogen chloride into a chlorination zone, introducing cupric oxychloride into said chlorination zone, maintaining a temperature within the range of from about 325° C. to about 500° C. in said chlorination zone, regulating the rate of introduction of said cupric oxychloride so that at least one mole of oxychloride is introduced per mole of hydrogen chloride introduced thereto, and recovering the chlorinated hydrocarbons from the gaseous effluent from said chlorination zone.

2,498,547
SHUFFLEBOARD WEIGHT POSITION INDICATOR
Merle J. Harbeck, Buffalo, N. Y.
Application May 10, 1948, Serial No. 26,207
6 Claims. (Cl. 177—311)



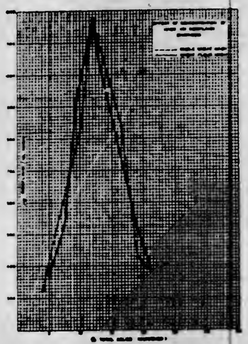
1. An indicator for shuffle boards, comprising a portable casing having an indicating element thereon and having a straight upright edge at one end for abutting engagement against the playing board, upper and lower detector pins movably guided in said casing along its upright edge and adapted for displaceable contact with one or another of the playing weights when the casing is brought into elevational registration therewith, and means in said casing in actuating relation to said detector pins, respectively, for rendering the indicating element operative upon a predetermined displacement of said pins by said weights.

2,498,548
COMPARATOR CIRCUIT
Robert A. Howard, Lexington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 10, 1945, Serial No. 621,572
8 Claims. (Cl. 250—39)



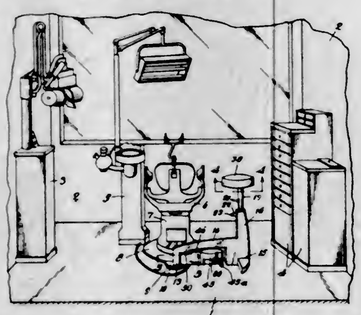
5. An ultra high frequency device for measuring the resonant frequency of an ultra high frequency resonator comprising four waveguide arms of substantially the same impedance connected together at a common junction point, a pair of said arms being aligned, the remaining pair of said arms being perpendicular to one another and to said aligned pair and being connected respectively in series and in parallel with said aligned pair, adjustable impedance means coupled to one arm of one of said pairs of arms, means for coupling the unknown resonator to the other arm of said one pair, adjustable means for introducing a frequency-variable signal into one arm of the other of said pairs of arms, and means coupled to the other arm of said other pair of arms for indicating the amplitude of the signal passed by said one pair of arms.

2,498,549
PRODUCTION OF RIBOFLAVIN
Robyn M. James, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application October 13, 1945, Serial No. 622,216
8 Claims. (Cl. 195—34)



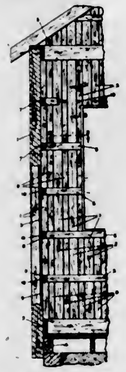
1. In the manufacture of riboflavin, the process which comprises preparing a mash from comminuted whole wheat, adding a sufficient quantity of barley malt, at least about 8 per cent based on the weight of the wheat solids, to enable the mash to be malted, heating and malting the resulting mash, preparing from the malted mash a mash to be fermented containing from about 9 to 17 per cent of solids derived from said whole wheat and barley malt, inoculating said mash with a culture of *Eremothecium ashbyii*, fermenting the mash under conditions favoring growth and riboflavin production of said organism while supplying oxygen to the mash and recovering the riboflavin thereby produced.

2,498,550
DENTAL CHAIR UNIT
Carroll W. Johnson, Chicago, and John T. Clark, Cicero, Ill.
Application March 8, 1947, Serial No. 733,340
9 Claims. (Cl. 32—22)



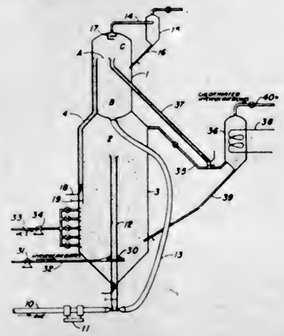
1. In a structure for use with dental chairs and the like, a seat support mounted for rotation about a center eccentric to the center of said dental chair, a seat adjustably mounted adjacent the outer end of said support, and a control box movably mounted on said seat support adjacent to the floor level for adjustment toward and away from said support.

2,498,551
LOG HOUSE CONSTRUCTION
Robert Jonsrud, Sandy, Oreg.
Application December 17, 1948, Serial No. 65,869
5 Claims. (Cl. 20—4)



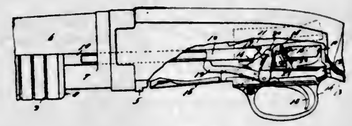
1. A building wall construction comprising a plurality of vertically disposed logs in laterally spaced relation, each of said logs comprising a longitudinal portion of a whole log and having a flat inner face with grooves along the lateral edges thereof, the grooves along the adjacent edges of adjacent logs defining a recess longidinally of said logs, a board freely seated in each of the recesses and spanning the space between said logs, horizontal rails secured to the flat inner faces of said logs in spaced relation, and springs between said rails and said boards for retaining said boards snugly against the faces of said grooves.

2,498,552
HALOGENATION PROCESS
Evert W. Kilgren and Everett Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1946, Serial No. 640,652
9 Claims. (Cl. 260—662)



1. The process for the chlorination of normally gaseous paraffinic hydrocarbons which comprises introducing the hydrocarbon to be chlorinated and chlorine into a chlorination zone, introducing cupric oxychloride into said chlorination zone, maintaining a temperature within the range of from about 325° C. to about 500° C. in said chlorination zone, regulating the rate of introduction of said cupric oxychloride so that at least one mole of oxychloride is introduced per mole of chlorine introduced thereto, and recovering the chlorinated hydrocarbons from the gaseous effluent from said chlorination zone.

2,498,553
AUTOMATIC SAFETY FIRING CONTROL FOR REPEATING SHOTGUNS
Erich O. Klebe, Minneapolis, Minn.
Application August 12, 1946, Serial No. 689,846
11 Claims. (Cl. 42—70)



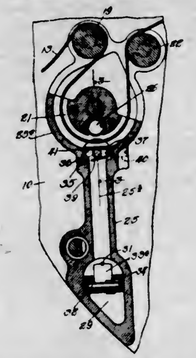
1. In a firearm having a trigger controlled hammer and of the type wherein upon a cocking of the hammer with the trigger held in a firing position there is no means for holding the hammer cocked, a safety lock movably mounted adjacent the hammer and movable into engagement with the hammer to hold the hammer cocked, and biasing means operable only upon the cocking of the hammer when the trigger is in a firing position to actuate said safety lock to engage and hold the hammer cocked.

2,498,554
DETACHABLE BOTTOM FOR OVENS OR BROILERS
Gustav Klein, Melrose Park, Pa., assignor to Caloric Stove Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 22, 1948, Serial No. 16,203
2 Claims. (Cl. 312—189)



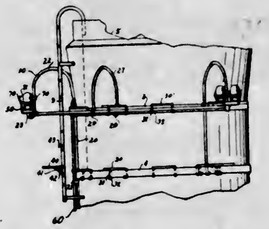
1. A wall structure defining a compartment having a bottom opening, a closure for said opening, a U-shaped bracket carried by each of two opposite walls of said compartment with the bights of the U-shaped brackets abutting said walls, the length of said closure being slightly less than the distance between the juxtaposed ends of the upper limbs of said brackets and the spaces between the upper and lower limbs of the brackets being slightly larger than the thickness of said closure whereby on being tilted, one marginal portion of the closure can be inserted into one of said U-shaped brackets and then the opposite marginal portion can be inserted into the other of said brackets, whereby the closure is supported on the lower limbs of said brackets with the upper limbs of said brackets overhanging said marginal portions, and a spring carried by one of said walls and operative, when said closure is supported by said brackets, to bias said closure against the opposite wall.

2,498,555
ADJUSTABLE SUPPORTING AND FOCUSING MOUNT FOR SOUND PROJECTOR LENS
Henry J. Koeber, Jr., Chicago, Ill., assignor to Illinois Watch Case Co., a corporation of Illinois
Application June 21, 1948, Serial No. 34,193
5 Claims. (Cl. 88—57)



1. A focusing mount for a lens, comprising: a generally U-shaped bracket of resilient sheet material having openings in the leg portions, said bracket being adapted to support the lens between the legs thereof with a portion of said lens lying between aligned portions of said openings, one leg portion being supported at its base end and its opposite end and the other leg portion being supported at its base end only; and a movable adjusting member for deforming the leg portions of said bracket to effect focusing of said lens, said adjusting member engaging the base of said bracket and being movable in a direction generally perpendicular to the optical axis of the lens to effect such focusing.

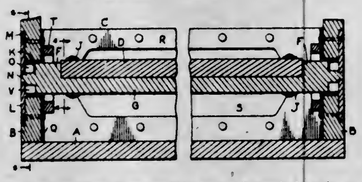
2,498,556
OBSTRUCTION LIGHTING STRUCTURE
Clyde K. Lamb, Cleveland, Ohio, assignor, by direct and mesne assignments, to Lamb & Chapin, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application February 22, 1945, Serial No. 579,292
2 Claims. (Cl. 240—2)



1. An obstruction lighting structure comprising a lamp supporting member, said member having a substantially long leg and a relatively shorter leg, said legs being connected by a concave loop portion, said relatively longer leg being disposed vertically of an upright cylindrical work structure and adapted to be securely locked to said work structure by means of a pair of bands telescoped over said work structure and securely locked therewith, said longer leg portion having

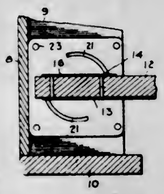
a locked end portion adapted to be bent into locking engagement with the lowermost of said cylindrical bands and the relatively shorter leg having an upwardly bent portion, a lamp base being securely affixed thereto, said lamp base adapted to support a pair of electrical lamps whereby said lamps are secured to said work structure at a point spaced outwardly therefrom, a circular guard rail adapted to be secured to said hooked end portion of said relatively shorter leg, said guard rail being secured to said work structure by means of said lamp supporting member and by means of concave loop reinforcement members further secured to said work structure, a platform secured to the cylindrical work structure and disposed adjacent the lowermost end portion of said relatively longer leg.

2,498,557
MEANS FOR PIVOTALLY SUPPORTING AND BRACING IRONING BOARDS
Alpha Perry Lantz, Washington, D. C.
Application March 29, 1945, Serial No. 585,435
2 Claims. (Cl. 38—129)



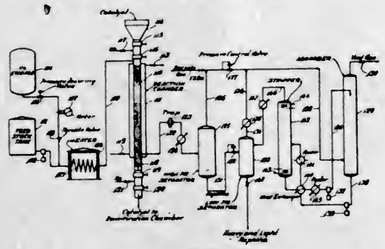
1. In combination with a cabinet having side walls, of means for securing and supporting an ironing board in said cabinet, comprising a pair of stub pintles at the side edges of the board, a bridge piece connecting the stub pintles having a seat in which an end of the board is secured, bearing members mounted in the side walls of the cabinet for rotatably receiving the stub pintles, reinforcing strap members positioned around the meeting portions of the board and bridge piece and extending along the upper and lower edges of the said board, one of said reinforcing strap members having a lateral keeper to be moved with the board, and a spring latch fixed to one of the side walls of the cabinet to be engaged by the keeper when the ironing board is swung to operative position.

2,498,558
PIVOTAL MOUNTING AND BRACE FOR IRONING BOARDS
Alpha Perry Lantz, Washington, D. C.
Application April 21, 1945, Serial No. 589,545
1 Claim. (Cl. 38—129)



In combination with a cabinet having side walls, of means for mounting an ironing board in said cabinet to swing therefrom into ironing position, comprising a pair of pintles at the side edges of said board, bearing members mounted in the side walls for rotatably receiving the pintles, plates secured to said side walls and surrounding said bearing members, said plates being provided with arcuate slots, and a sheet metal strap for reinforcing said ironing board, including a central part secured to the underside of said board, end portions secured to the top of said board and elongated plate sections intermediate said central part and end portions engaging the side edges of the board, said elongated plate sections carrying the pintles and provided with end extensions turned parallel to the pivotal axis to enter the arcuate slots of the plates and limit the swinging movements of the board.

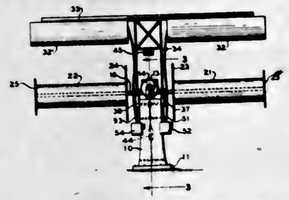
2,498,559
DESULFURIZATION AND CONVERSION OF A NAPHTHA
Edwin T. Layng, New York, N. Y., and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application October 15, 1945, Serial No. 622,364
2 Claims. (Cl. 196—28)



1. A cyclic process for the conversion of a high sulfur content naphtha to a motor fuel of increased aromatic content and anti-knock quality and substantially free from sulfur in any form, which comprises passing such a hydrocarbon feed stock at a mass velocity in excess of five milligrams per square centimeter per second in the presence of added hydrogen in contact with a catalyst comprising molybdenum oxide at a temperature between about 850 and about 1050° F., a pressure between about 30 and about 450 pounds per square inch, within a time factor range of about 0.1 to about 25, such that the naphtha feed stock is converted to one of increased aromatic content and substantially all of the sulfur is combined with the catalyst to produce an effluent substantially free from sulfur in any form, maintaining the quantity of hydrogen added and the pressure within limits insufficient to cause a net consumption of hydrogen, continuing contact of such a naphtha with the catalyst for a period of time not longer than that required for the sulfur content of the effluent to rise sharply, thereafter discontinuing contact of such a naphtha and regenerating the spent catalyst by contact with an oxygen-containing gas at an elevated temperature to remove combined sulfur from said catalyst, and repeating the above cycle with said regenerated catalyst.

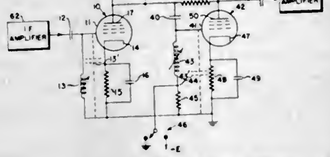
2,498,560
DRIER
Ashby L. Leeth, Bethesda, Md.
Application August 6, 1946, Serial No. 688,671
9 Claims. (Cl. 34—87)

6. A drying machine comprising a single upstanding pedestal base, a shaft journalled in said base, work receiving means secured on said shaft for rotation therewith, an upstanding member secured to the top of said base, a supporting member slidably associated with said upstanding member, hoods secured to said supporting member and extending above said work receiving means, heat radiating means mounted in said hoods, compression spring means within said upstanding member and said supporting member



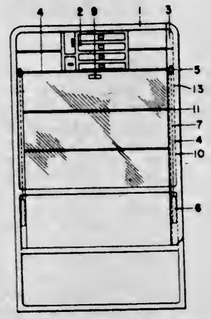
constructed and arranged to counterbalance the weight of said supporting member, hoods and heat radiating means, drive means for said shaft, and means for controlling the operation of said drive means and said radiating means whereby the radiating means will only be energized during rotation of said driving means whereby radiated heat is distributed uniformly over the work.

2,498,561
ADJUSTABLE BAND-PASS SELECTOR
Harry J. Lipkin, Dorchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 6, 1945, Serial No. 614,728
4 Claims. (Cl. 179—171)



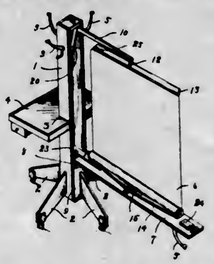
1. In combination, a first and a second electron discharge device each containing at least an anode, cathode, and control grid, said first electron discharge device having an output voltage level greater than a given input voltage level, a means for applying said output voltage to the control grid of said second electron discharge device, resonant circuit means associated with said first and second electron discharge devices for tuning to a predetermined frequency, a switch means associated with said second electron discharge device, said switch means having two positions and operating in one position to cause the grid of said second electron discharge device to be at ground potential and operating in the other position to cause the grid of said second electron discharge device to be at a negative potential, said negative voltage being sufficient to prevent said second electron discharge device from conducting a current, resistive and capacitive bias means for connecting the cathode of said second electron discharge device to ground potential, a resistive-capacitive means for applying a degenerative signal from the anode to the control grid of said second electron discharge device, resistive-inductive means associated with the anodes of said devices, a means for taking an output for producing a constant voltage at the anodes of said first and second electron discharge devices voltage from the anode of said second electron discharge device and ground.

2,498,562
REFRIGERATOR
Norman O. Long, Niagara Falls, N. Y.
Application December 31, 1945, Serial No. 638,591
5 Claims. (Cl. 62—89)



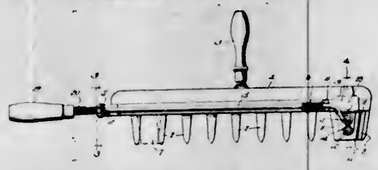
1. In a refrigerator, a cabinet comprising a storage compartment having an access opening, an outer closure and a transparent inner closure therefor, said inner closure in its closed position being adjacent the inner side of said outer closure when said outer closure is in its closed position, said inner closure in its open position being below the storage compartment, sealing guides for said inner closure extending vertically at each side of said access opening adjacent the inner side of said outer closure when said outer closure is in its closed position, said guides extending below the level of the bottom of the storage compartment, and means for refrigerating said storage compartment.

2,498,563
COMBINATION STAND
Elford W. Mallory, Cloquet, Minn.
Application July 17, 1946, Serial No. 684,352
12 Claims. (Cl. 160—24)



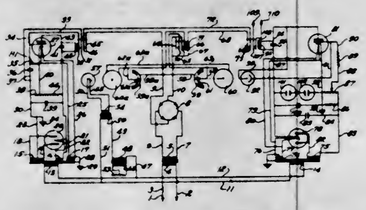
1. A device of the type described comprising an elongated hollow mast, a door, said door opening out from one side of said hollow mast, a spring controlled curtain roll carried by said door on the inner face thereof, an arm pivotally secured within said mast and having one end thereof secured to the free end of said curtain, and a lever arrangement within said mast to operate said arm to open said curtain as said door is opened.

2,498,564
HEDGE TRIMMER
William T. Maxant, Ayer, Mass.
Application May 27, 1946, Serial No. 672,577
3 Claims. (Cl. 30—208)



1. A trimmer of the character described comprising an elongated base plate having laterally projecting teeth thereon and spaced apart lengthwise of the plate, a track extending lengthwise of the plate, a cutter blade having opposite cutting edges said cutter blade having a configuration and size approximately equal to the outer extremities of a pair of said teeth on the base plate, means connected with the blade for guiding the blade along the track in reciprocating movements, and means for stopping the movements of the blade adjacent opposite ends of the track with the cutting edges of the blade in overlapping relation and in a protected position with respect to the end pair of cutting teeth on said base plate.

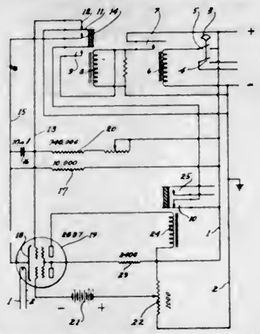
2,498,565
MOTOR POSITION CONTROL MEANS
Rex D. McDill, Cleveland Heights, Ohio, assignor to James B. Shaver, University Heights, Ohio
Application December 30, 1944, Serial No. 570,703
8 Claims. (Cl. 318—104)



4. Object moving means including two independently movable objects, driving means connected in driving relation to the first object, driving means connected in driving relation to the second object, a source of electrical energy, a circuit connecting said source to each of said driving means and including chronometric circuit making and breaking means, independent circuits in parallel with a portion of said first mentioned circuit, one associated with the first driving means and one associated with the second mentioned driving means, each of said last mentioned circuits including circuit making and breaking means actuated in accordance with the movement of its associated object.

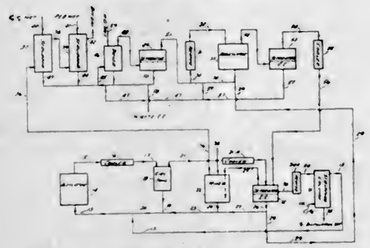
2,498,566
ELECTRONIC TIMING CIRCUIT
Henry M. Merrill, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application August 17, 1945, Serial No. 611,187
7 Claims. (Cl. 250—27)

1. In combination, an R. C. timing circuit, thermionic means arranged to receive a control voltage from said circuit and having a plate circuit including a responsive load device actuable when the plate current of said means is built up to a definite actuating degree after a desired period of time, a second thermionic means having a loaded plate circuit, control means in first said thermionic means connected to the plate of the second thermionic means a variable source of voltage arranged to energize said thermionic means, actuable means for ap-



plying said source voltage across said R. C. circuit, a control means for the second thermionic means including a bias battery and a voltage divider connected across said source, in series with said battery, whereby the plate current of the second thermionic means is low and the control voltage it applies to the first thermionic means is high when the voltage of the source is low, said elements being correlated whereby the period is substantially uniform over a wide range of variation of the voltage of the source.

2,498,567
PROCESS FOR PRODUCING ETHYLBENZENE
Herbert E. Morris, La Marque, and Drue M. Evans, Texas City, Tex., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application November 14, 1946, Serial No. 709,885
2 Claims. (Cl. 260—671)



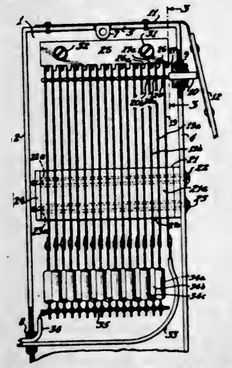
1. In the process for producing monoalkylbenzene wherein an olefin and benzene are combined in the presence of an aromatic hydrocarbon catalyst complex composed in part of $AlCl_3$ to form a monoalkylbenzene and a tar-containing polyalkylbenzene fraction, the steps of separating said aromatic hydrocarbon catalyst complex from said mixture of monoalkylbenzene and said tar-containing polyalkylbenzene fraction and then contacting said separated aromatic hydrocarbon catalyst complex with said tar-containing polyalkylbenzene fraction, whereby tar is removed from said polyalkylbezene fraction and combined in said complex and the so-formed tar-containing catalyst complex separated from said polyalkylbenzene fraction and thereafter separately dealkylating said polyalkylbenzene fraction in the presence of catalyst complex resulting from the said first described separation.

2,498,568
TROLLEY WIRE CONNECTOR
Karl J. Mosebach, Pittsburgh, Pa.; Mary E. Mosebach or Marie E. Mosebach administratrix of the estate of said Mosebach, deceased
Application May 9, 1947, Serial No. 746,974
1 Claim. (Cl. 191—44.1)



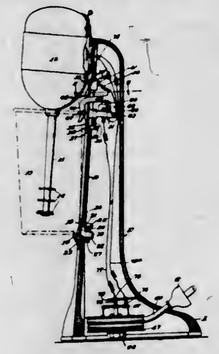
A connector for trolley wires that have longitudinal grooves in their sides and are positioned in relatively longitudinally-spaced relation, comprising a section switch having three longitudinally-spaced conductor bars, a switch for making and breaking electrical connection between said bars, the intermediate bar and adjacent portions of the other bars having their lowermost surfaces in longitudinal alinement for engagement by a traveling current collector, and the more remote end portions of the said other bars being of reduced vertical dimension and having downwardly and inwardly extending lips for engagement with the grooves in the sides of trolley wires and adapted to support the wires with their lowermost surfaces in longitudinal alinement with the said lowermost faces of the said bars, and screws rotatably mounted in the endmost bars and sloping toward the intermediate bar, in the same general direction as the bars, but at such angularity that a plurality of the thread turns of each screw are engageable with upper surfaces of the wires, to thrust the wires into endwise engagement with the end bars of the switch.

2,498,569
VOLUME CONTROL SWITCH AND THE LIKE
Raymond P. Mork, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application November 26, 1948, Serial No. 62,179
11 Claims. (Cl. 201—48)



1. In a structure of the class described, a series of resilient conductive blades supported in spaced positions and in electrical isolation, so as to have freely extending end portions, pressure exerted upon an end portion of the first blade of said series serving to move it into electrical contact with the second blade and to move said second blade toward the third and so on throughout the series, an actuator for exerting said pressure on said first blade, said blades being resiliently biased in a direction toward said actuator, and stops for said several blades individually, the biasing of said blades bringing them to rest against said stops in the absence of said pressure, the stops being located to retain said blades out of contact.

2,498,570
DRINK MIXER
Louis Myers, Rockford, Ill.
Application March 10, 1945, Serial No. 582,035
3 Claims. (Cl. 259—135)

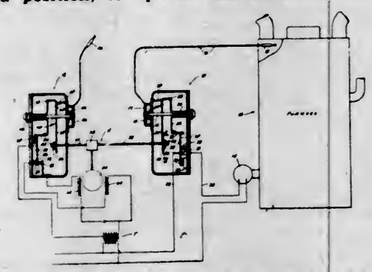


1. A drink mixer comprising: an electric motor, an agitator depending from and driven by the motor, a hollow standard on the upper end of which the motor is supported and provided with a front wall having a slot therein, a plate fitting the front end of the standard and covering the slot, a spring pressed lever extending through the plate and provided at the front thereof with a depending hook for holding the rim of a receptacle operatively positioned on the standard, a member rigid with and projecting rearwardly from the plate, on which the inner end of the lever is fulcrumed inside of the standard, an electric switch for controlling the motor, supported on said member and inside of the standard, and wedge means mounted on the plate and projecting rearwardly therefrom and engaging the front wall for clamping the plate against the front face of the standard, said wedge means being insertable through the slot and invisible from the front of the plate.

2,498,571
SPACE TEMPERATURE CONTROL
John W. Norris, Marshalltown, Iowa, assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application April 1, 1944, Serial No. 529,102
2 Claims. (Cl. 236—9)

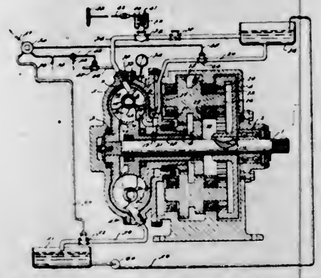
1. In combination, a limit switch mechanism having a switch and means to open and close the same in response to temperature conditions of a medium to which the mechanism is subjected, a thermostatic switch having contacts operable from a first to a second position relative to each

other in response to temperature conditions of a space to which said medium is directed, means to adjust the temperatures at which said limit switch opens and closes, operating mechanism actuated by operation of the thermostat into second position, to operate the adjusting means,



said last named mechanism being rendered inoperative by return of the thermostat to first position, whereby the limit switch is adjusted and left in adjusted position, and means in said operating mechanism to return the thermostatic switch contacts to first position after a predetermined adjustment of the limit switch.

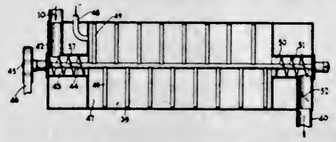
2,498,572
HYDROKINETIC BRAKE
Charles M. O'Leary, Los Angeles, Calif.
Application September 8, 1947, Serial No. 772,714
8 Claims. (Cl. 188—90)



1. A hydrokinetic brake for a rotating shaft, including a hydrokinetic torque converter provided with centrifugal pump blading and turbine blading, said converter having means including a casing defining a continuous liquid flow path through said sets of blading in series, reaction blading in said flow path for redirecting liquid discharged by the turbine blading, a rotary member adapted to be connected to the shaft to be braked, a mechanical drive connection between the turbine blading and said member adapted to rotate said blading in one direction relative to said member, and mechanical drive connections between said member and said pump blading and said reaction blading for rotating the pump blading and reaction blading in a direction opposite to the rotation of said turbine blading.

2,498,573
METHOD OF TREATING RICE
Ataullah K. Ozai-Durrani, Stuttgart, Ark.
Application August 14, 1945, Serial No. 610,809
8 Claims. (Cl. 99—80)

3. A method of preparing rice for milling, including the steps of treating rice containing about 13% to 16% moisture for one half to three days between room temperature and about 30° C. with up to about 16% by weight of water, the quantity of that water substantially equalling that the rice can absorb whereby to raise its moisture content to about 29%, treating the rice with



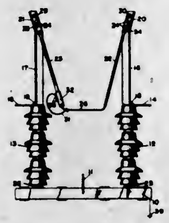
steam of a temperature above 100° C. up to about 130° C. for a period limited to heat the rice to gelatinisation temperature and increase its moisture content by condensed and absorbed water to about 34% to 35% whereby to gelatinize the rice, and drying the rice to a moisture content between about 14% and 24%.

2,498,574
DIHYDROSTREPTOMYCIN AND ACID ADDITION SALTS
Robert L. Peck, Plainfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 15, 1946, Serial No. 648,007
13 Claims. (Cl. 260—205)

1. The process that comprises reacting an acid salt of streptomycin with hydrogen in the presence of a hydrogenation catalyst and recovering the corresponding salt of dihydrostreptomycin from the reaction mixture.

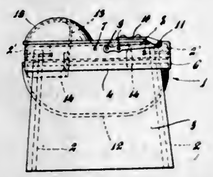
8. A substance of the class consisting of dihydrostreptomycin and acid salts thereof.

2,498,575
HIGH-VOLTAGE FUSE CONSTRUCTION
Ralph R. Pittman, North Little Rock, Ark.
Application August 4, 1947, Serial No. 765,927
5 Claims. (Cl. 200—113)



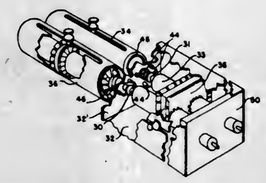
5. In a high voltage fuse construction, a conducting base, insulating means thereon supporting spaced terminals, spaced downwardly extending open-ended expulsion fuse barrels mounted on said insulating means and so positioned that gas discharge from each barrel converges at a common point, a fuse link embodying one fusible element within one barrel and another fusible element within the other barrel, said one fusible element fusing at a predetermined current less than the fusing current of said another fusible element, said fuse link extending serially through said expulsion fuse barrels and electrically connecting said spaced terminals, and a grounded conducting member rigidly secured to said base and extending to said common point.

2,498,576
BABY TRAVEL CHAMBER
Sidney Pourch and Helen Pourch, New York, N. Y.
Application October 16, 1945, Serial No. 622,526
1 Claim. (Cl. 4—116)



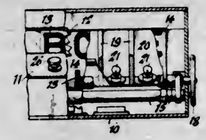
A baby travel chamber comprising a rectangular frame-like perforated toilet seat whose edge portions protrude beyond the lower side of its main portion and which has opposite rows of bores in its longitudinal edge portions, angular members, having their vertical sections secured to opposite lower portions of said seat while their horizontal sections extend into the space surrounded by the edge portions of the seat beneath the latter, a chamber vessel having an outwardly extending flanged rim which is in slidable engagement with the horizontal sections of said angular members, beneath the seat, a shell-shaped member made as a unit with said seat having an open lower section which registers with the first portion of the perforation of the seat and which extends through and beyond the lower side of the latter while its main section protrudes beyond the upper side of the seat and is open toward the main portion of the seat perforation, a pair of rods each of which is provided at its front end portion with a pair of pins laterally protruding therefrom and adapted for engaging pairs of bores in the longitudinal edge portions of the seat, and a lid having an upwardly bulged front portion adapted for encompassing the main section of said shell-shaped member and having its rear extremity hinged to the rear ends of said rods.

2,498,577
COMBINED OSCILLATOR AND REACTANCE TUBE STRUCTURE
William R. Rambo, Cambridge, Mass., assignor to The United States of America as represented by the Secretary of War
Application December 17, 1945, Serial No. 635,588
13 Claims. (Cl. 332—28)



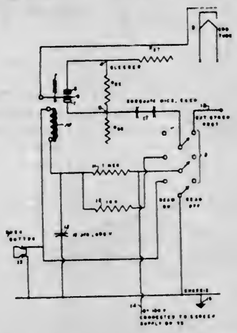
5. A radio frequency assembly comprising a pair of electron tubes each having at least axially-spaced cathode and anode electrodes, a resonator structure, means mounting said tubes side by side in a wall of said resonator structure, said anode and cathode electrodes being positioned on opposite sides of said wall, and transmission lines extending in parallel from said anodes into said structure to provide inductive coupling between said anodes.

2,498,578
EDUCATIONAL DEVICE
Richard E. Reinnagel, Eggertsville, N. Y.
Application November 20, 1946, Serial No. 710,992
4 Claims. (Cl. 35—35)



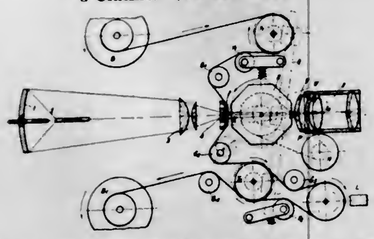
1. An educational device, comprising a cabinet having a window therein, means in said cabinet for displaying groups of different characters through said window, individual lamp means for illuminating the characters of a group individually, a high and low voltage electric circuit including said lamps and separate switches for controlling them, an audible element in the high voltage line of said circuit, and a selective switch in the circuit of the audible element and the lamps for rendering the former operative whenever a companion lamp-switch is closed across the high voltage line.

2,498,579
BEAM BLANKING AND SWEEP CONTROL
George A. Roberts, Swarthmore, Pa., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development
Application January 7, 1946, Serial No. 639,667
6 Claims. (Cl. 315—20)



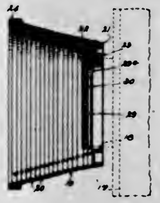
1. Circuit arrangement and control for supplementing the operation of the beam on-off switch of a conventional oscillograph having a cathode ray tube therein, comprising a relay having one contact in a beam blanking circuit, and an alternate contact in a beam emission circuit of said oscillograph, a separate operating potential supply line for the relay, a delay charging circuit consisting of a resistance in the line and capacitor across the line, said relay further including a shunt resistor in parallel open circuit with the first resistor, the operating circuit of the relay connected at one end between said capacitor and the two named resistors, switch means to connect the relay at its other end in series with the first resistor across the line, said first resistor having a voltage drop exceeding the normal requirement for operation of the relay, said open circuit having the shunt resistor and relay in series therein, and being connected to terminals of said on-off switch to be closed thereby at its on position.

2,498,580
OPTICAL DEVICE FOR CINEMATOGRAPHIC PROJECTION APPARATUS WITH CONTINUOUS UNROLLING OF THE FILM
Henri Roger, Sezanne, France
Application July 7, 1947, Serial No. 759,436
In France July 17, 1946
8 Claims. (Cl. 88—16.8)



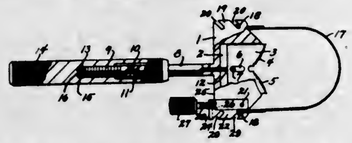
1. In cinematographic projection apparatus wherein a film bearing images having a normal height in the longitudinal direction of the film is moved continuously past a film gate on which light is focused in a conically converging beam, and a regular polygonal prism having an even number of faces is rotatably mounted between the gate and the objective on an axis which intersects perpendicularly the optical axis of the objective, the combination with said gate of a projection window in the form of a slot extending transversally to the direction of advance of the film and the height of which is substantially one-fourth of the height of the film image, and means for transforming the conical converging beam into a flat beam of elongated elliptical section framing said slot.

2,498,581
EXTENSIBLE AND RETRACTABLE SHIELD FOR CAMERA LENSES AND FILTERS
Joseph H. Rogers, Hyattsville, Md.
Application March 11, 1947, Serial No. 733,883
4 Claims. (Cl. 88—1)



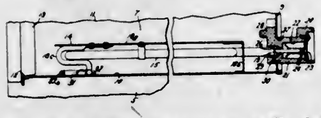
1. In a camera having a lens board and a lens-carrying barrel carried thereby, a mounting ring adapted to surround said barrel, an extensible and contractible lens shield formed of a coiled strip of resilient material having convolutions in overlapping telescoping engagement with each other, the convolution at the inner end of said shield fitting snugly about the mounting ring, a finishing ring fitting snugly about the convolution at the outer end of the shield, the convolutions of said strip being shiftable longitudinally and transversely of each other by turning movement of the finishing ring and being formed with openings, the openings of the inner and outer convolutions registering with openings in the mounting ring and the finishing ring, and strands of resilient wire extending between overlapping portions of the convolutions and having crimped portions pivotally passing through the openings in the said convolutions, the ends of the wire strands being formed with hooks passing through the registering openings of the convolutions and the said rings and pivotally mounting ends of the wire strands.

2,498,582
FLEXIBLE JAW WRENCH HAVING MULTIPLE ADJUSTING MEANS
John Henry Schoenberger, Coronado, Calif.
Application March 19, 1945, Serial No. 583,595
2 Claims. (Cl. 81—64)



1. A wrench, comprising a body having a jaw member movably mounted therein for adjustment in opposite directions and adapted to be projected more or less from one end of the body, said jaw member having a work-engaging surface on its projectible end which is equally effective to grip the work upon operation of the wrench in either of two opposed directions, a handle member rigidly carried by the body and extending therefrom opposite to the movable jaw member, a second jaw member comprising a flexible band disposed in opposed relation to the movable jaw member aforesaid and having one of its ends connected to the body, a U-shaped bracket pivotally connected to opposite sides of the body and having means for detachably engaging the opposite end of the flexible band, said bracket serving to contract and expand the flexible band responsive to pivotal movements of the bracket and assuming a position with its closed end transversely extended across the end of the body opposite to that from which the movable jaw is projectible when the bracket is pivoted to the flexible band contracting position, and means for releasably restraining said bracket against pivotal movement when in the last-mentioned position.

2,498,583
ELECTRIC OVEN
Herman W. Schulze, Elmwood Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application December 28, 1945, Serial No. 637,601
5 Claims. (Cl. 219—35)



3. An electrical oven comprising walls defining a heating compartment having a front opening therein for the insertion of edibles to be cooked, a separable unitary heating unit inserted through said opening into a working position in the upper part of said oven, supporting means in said upper part supporting said unit, said heating unit being provided with an electrical heating element and with electrical terminals therefor projecting outwardly from the rear of said unit, electrical supply terminals mounted on the rear wall of said compartment and arranged to engage said projecting terminals when said heating unit is inserted in said compartment and placed in its proper operative position, said heating unit being provided with a downwardly extending projection and said supporting means having a coacting rigid projection, said projections being positioned and arranged so that when said heating unit is in said working position said projection on said unit is positioned to the rear of the projection on said supporting means to insure full electrical contact between said heating element and said terminals and prevent said unit from moving out, and further the projection on said supporting means being so proportioned that in the event the projection on said heating unit is on the front side thereof the electrical contact between said terminals is broken.

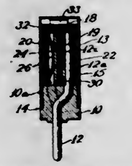
2,498,584
SIMPLIFIED LOOSE-LEAF BINDER
Samuel Segal, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill., a corporation of Massachusetts
Application November 15, 1945, Serial No. 628,679
1 Claim. (Cl. 129—24)



A loose leaf binder for a stack of sheet material with alined openings and adapted to be removably placed on a panel, a strap disposed widthwise of and having means for securing thereof to said panel and having spaced bearings integral with and extending from anterior portions of said strap and embodying a medially arranged resilient portion disposed intermediate of said bearings, a one piece stay comprising an axle rotatably guided by said bearings and spaced hooks disposed substantially normal to and integral with said axle and adapted to be removably threaded into said openings upon rotation of said axle in one direction for arranging the free terminals of said hooks to fully close said stay, said terminals in the fully closed relation of said stay extending beyond but contiguous to the posterior longitudinal edge of said strap and projecting below the upper surface of the latter and said hooks being adapted to be removed from said openings for fully opening of said stay upon rotation of said axle in a counter direction, and a tapered and relatively narrow lug arranged substantially centrally of, integral with and carried by said axle above said resilient portion for tensioning and deflecting the latter towards said panel in the fully opened relation of said stay and for progressively tensioning and further flexing said resilient portion on rotation of said stay relative to said strap after said stay has been shifted from its fully opened relation towards its fully closed relation during which time said lug passes its dead center after which said tensioning and flexing of said resilient portion progressively decreases whereby said resilient portion automatically actuates said lug to rotate said axle to shift said stay from its partial open relation at said dead center to its fully closed relation, said lug and resilient portion frictionally engaging to hold said stay in a partial opened relation thereof when said lug is at said dead center.

2,498,585
PIEZOELECTRIC CRYSTAL HOLDER
Herman L. Seiden, Chicago, Ill., assignor of one-third to Thomas C. Flanagan and one-third to Raymond T. Moloney, both of Chicago, Ill.
Application January 1, 1945, Serial No. 570,902
11 Claims. (Cl. 171—327)

1. A holder for electrical instrumentalities comprising: a receptacle of non-conductive material and having a pocket therein, grooves on opposite side walls of said pocket, a plurality of flat electrical instrumentalities disposed in said pocket, spring means in certain of said grooves on opposite sides of the pocket and adjacent opposite ends of the latter, and electrical connection means withdrawably disposed in certain other of said grooves opposite each said spring means, whereby a turning moment is imparted to said instrumentalities to urge the same respectively against, and in electrical contact with, said connection means, said instrumentalities being firmly but yieldingly held in said pocket by action of said spring means.

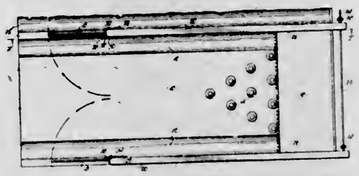


2,498,586
CHALK-WRITING BOARD OF MOLDED PLASTIC MATERIAL
Charles E. Smith, Pittsburgh, Pa.
Application March 21, 1947, Serial No. 736,235
1 Claim. (Cl. 35—66)



A writing-board comprising a slab of hardened plastic material, a relatively thin mat of loosely matted fibers partly imbedded in the rear face of the slab, and an adherent film that holds the exposed fiber ends against the rear face of the mat.

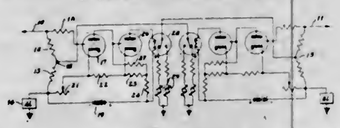
2,498,587
SWEEPING MECHANISM FOR BOWLING ALLEYS
Ivol J. Snyder, Omaha, Nebr.
Application December 23, 1946, Serial No. 717,989
1 Claim. (Cl. 273—54)



Sweeping mechanism for a bowling alley comprising at least one elongated track parallel with and adjacent to one longitudinal edge of said alley; a follower carried by the track for reciprocation longitudinally therealong; means operably connected with the follower for reciprocating the same; an elongated arm on the follower, normally extending outwardly from the track in perpendicular relationship thereto and overlying at least a portion of said alley; and guides on the arm engageable with the track for holding the arm perpendicular to the track as the follower and the arm are reciprocated, said arm being swingable on a vertical axis with respect to the

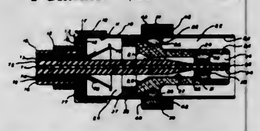
follower, said track having an arcuate end for receiving said guides as the arm is moved to one end of its path of travel whereby to swing the arm on said axis to a position out of overlying relationship to the alley and parallel with said edge thereof.

2,498,588
TELEGRAPH APPARATUS
William C. Spencer, Tuckahoe, N. Y., and William A. Manty, Hasbrouck Heights, N. J., assignors to Railway Electronics, Inc., Tuckahoe, N. Y., a corporation of New York
Application December 23, 1946, Serial No. 718,087
1 Claim. (Cl. 178—71)



In a full duplex repeater, a low-impedance bridge circuit having an apex on each side of the repeater, a relay connected to each bridge circuit, each relay comprising a coil connected to the line terminal of one bridge circuit and a tongue connected to the apex of the opposite bridge circuit, and further comprising two contacts alternately engaged by the tongue as it moves, an envelope enclosing the tongue and contacts, and mercury wetting the tongue to insure make-before-break contact operation, and sources of marking and spacing potentials connected respectively to each of said relay contacts.

2,498,589
CONNECTOR
Robert R. Steinke, West Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application November 4, 1944, Serial No. 561,989
4 Claims. (Cl. 173—328)



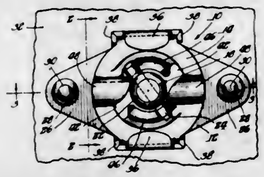
1. A detachable connection for high voltage transmission coaxial type cable having in combination a plug element and a socket element separably engaged therewith, said plug element comprising an outer cylindrical metallic shell, one end of said shell being in threaded engagement with an annular clamping nut, a cylindrical cable receiving bushing held by said nut, a metallic washer on the shell positioned to surround a portion of the cable end and clamp outwardly bent portions of the cable sheathing between said bushing and said washer, a funnel-shaped member arranged to receive an inner insulator portion of the cable end and to engage within an end portion of an outer conductor of said cable in said washer whereby tightening of said clamping nut on said shell firmly secures said cable end to said shell and electrically connects the outer conductor to said outer shell, a substantially cylindrical sleeve of rigid insulating material fixed and spaced coaxially within the non-threaded end of said shell to provide an annular recess, and a metallic contact member rigidly mounted within and near the free end of said major portion of said sleeve, said contact member having a bore therethrough, one end of said bore communicating with the cavity defined by the inner walls of said shell and said insulating sleeve and connected with an exposed end of the center conductor of said cable, the opposite end of said contact member having a reduced projecting neck portion.

2,498,590
CURTAIN ROD BRACKET
Nathan Straus, New York, N. Y.
Application April 12, 1946, Serial No. 661,461
2 Claims. (Cl. 248—264)



1. A curtain rod supporting bracket comprising, an attaching plate having a stud, said stud being cylindrical adjacent said plate and having a circumferential groove spaced therefrom, a compressible spring positioned in said groove and normally extending beyond the surface of the stud, and a removable sleeve having a continuous cylindrical bore of two different diameters so as to provide an internal circumferential shoulder, the smaller portion of the bore of said sleeve being of a size to have a close sliding fit on the stud and of a length substantially the same as the distance between said plate and said spring so that said spring engages with said shoulder to retain the sleeve on the stud when the sleeve is pushed over the spring onto the stud.

2,498,591
FASTENER
Forrest R. Swanson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application April 10, 1944, Serial No. 530,289
4 Claims. (Cl. 24—221)



1. A fastening device for detachably securing work pieces together including a spring locking plate centrally apertured to accommodate a fastening stud, integral spacer flanges extending laterally from opposite margins of said plate, the central portions of said plate on each side of said aperture being laterally flexible, a base plate having a stud accommodating aperture in alignment with and normally spaced axially from the aperture in said spring locking plate, opposite marginal flanges on said base plate adjacently superimposing the flanges of said spring plate and abutments on said base plate engaging the opposite ends of the flanges of the spring plate to secure said plates against axial and lateral separation, and sections of said base plate adapted to be secured to a work piece, portions of said spring plate in the vicinity of the aperture thereof presenting surfaces for cooperating with a stud member to cause the central portion of said spring plate to be stressed laterally toward the base plate when the stud and locking plate are relatively rotated in a given direction.

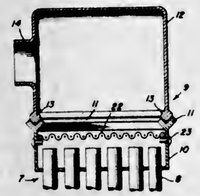
2,498,592
DAYLIGHT FLUORESCENT PIGMENT COMPOSITIONS
Joseph L. Switzer, Cleveland Heights, and Robert C. Switzer, South Euclid, Ohio
No Drawing. Application January 30, 1945, Serial No. 575,364
24 Claims. (Cl. 252—301.2)

13. A daylight fluorescent pigment consisting essentially of a dye exhibiting daylight fluorescence when in dilute solution and a pulverized, transparent polymerized thermo-set resin carrier solid in which said dye is solvated, the maximum ratio of dye to carrier varying according to the wavelength of the dominant wave-length of light projected by said solvated dye in the proportion of a maximum of substantially .025 gram for dyes projecting yellow-green light to a maximum of substantially .015 gram for dyes projecting red light per cubic centimeter of solvating carrier and said dye retaining its daylight fluorescence when solvated in said carrier.

2,498,593
DAYLIGHT FLUORESCENT RESINOUS SHEETING MATERIALS
Joseph L. Switzer, Cleveland Heights, and Robert C. Switzer, South Euclid, Ohio
No Drawing. Application February 23, 1949, Serial No. 78,006
13 Claims. (Cl. 252—301.2)

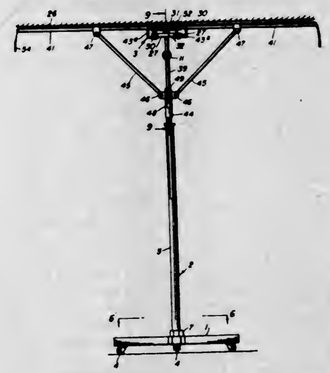
1. A daylight fluorescent sheeting comprising a substantially transparent sheet of thermoplastic resinous material, at least one solvated dye exhibiting a subtractive color and fluorescing in response to daylight when in dilute solution, and pigmenting particles of a transparent thermo-set resinous carrier in which said dye is maintained in a solvated state, said particles being dispersed throughout said sheet, the maximum weight of dye per volume of carrier varying from substantially .025 gram for dyes projecting yellow-green light to substantially .015 gram of dye per cubic centimeter of solvating carrier for dyes projecting red light, and the weight of said at least one dye not exceeding .0005 gram of dye per square centimeter of surface of the sheeting.

2,498,594
SECTIONAL HEADER FOR AUTO RADIATORS
Michael J. Tomel, Richmond Hill, N. Y.
Application December 12, 1947, Serial No. 791,237
1 Claim. (Cl. 257—125)



A sectional header for automobile radiators comprising a receptacle-like base section including a bottom with tube openings for passage of the upper end portions of radiator tubes and including marginal walls, the upper edge portions of said walls being formed with an endless seating and assembling flange, said flange being substantially V-shaped in cross section and providing a seating channel, and a cover section corresponding in shape and proportions to the base section, said cover section having wall portions and said wall portions having edges fashioned into a seating and assembling bead, said bead also being endless and seated in the stated channel, and a horizontally disposable filtering screen, said screen being an independent unit and having a marginal rim, and studs projecting from the walls of the base into the interior of the base and removably seating said screen, the latter being mounted on the studs downwardly of said V-shaped flange.

2,498,595
PAPER-HANGING DEVICE FOR PAPERING CEILINGS
William A. Vircks, Stetsonville, Wis.
Application October 22, 1947, Serial No. 781,258
5 Claims. (Cl. 216—7)

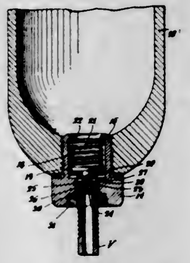


1. In a device for applying wallpaper to a ceiling, a wheel supported base, a telescopic column upstanding from said base for extension and contraction vertically, a paper applying head mounted on the upper end of said column adapted to be raised to the ceiling by extension of said column and including a spring tensioned presser member for applying a strip of paper directly to the ceiling, and wings upon opposite sides of said member vertically swingable from a downswung position to raise the strip of paper upon opposite sides of said member close to the ceiling, said wings being of grid-like form to permit brushing of the paper through the wings, means to extend said column to raise said head to the ceiling, and means to swing said wings.

2,498,596
TIRE INFLATION DEVICE
Robert S. Wallach, Madison, N. J., assignor to Associated Development & Research Corporation, New York, N. Y., a corporation of New York
Application July 3, 1946, Serial No. 681,389
2 Claims. (Cl. 222—3)

1. Tire inflation means comprising a relatively small size container of gas under high pressure; a valve body secured within an end wall of said container in communication with the interior thereof, said valve body having an end opening threaded for screwing upon the threaded body of a tire valve, a smooth walled bore of larger

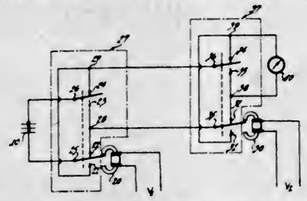
diameter concentric with said end opening, and a cylindrical chamber communicating with and concentric with said bore and opening into said container; a valve seat at the base of said cylindrical chamber; a poppet valve disposed within said cylinder for cooperation with said seat and having a tubular stem extending into said bore, said stem being of smaller diameter than said tire valve body and having side wall openings; metallic sleeve means disposed snugly about said stem and in contact with the wall of said bore for guiding the valve stem for axial movement within said bore; and means disposed within said bore for engagement by the end of said tire valve body and movable upwardly against said sleeve means for unseating said valve when said container is screwed on to the end of said tire valve body.



2. A valve, comprising a body having a tubular valve chamber extending axially therefrom, a smooth walled axial bore extending through said body and communicating with said chamber; valve seat means surrounding said bore within said valve chamber; a valve member having a valve head within said chamber and a tubular stem extending therefrom into said bore; a valve stem guide sleeve disposed about said stem and being of less diameter than the axial body bore, said guide sleeve having flange means extending outwardly into slidable engagement with said bore, said stem and guide sleeve having registering openings through the sides thereof between said flange and said head to afford communication between said axial bore and the interior of said valve stem; valve disc means disposed about said stem intermediate said guide sleeve and said head; means for securing together said stem and said guide sleeve; and spring means within said valve chamber and engaging with said valve head to urge the valve member normally into seated position.

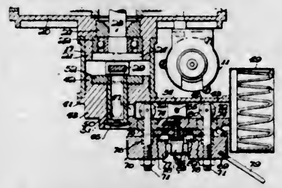
2,498,597
CIRCUIT FOR MEASURING PHASE SHIFT
Sidney Wald, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1948, Serial No. 66,554
6 Claims. (Cl. 172—245)

1. Apparatus for indicating the phase relationship between a plurality of alternating current voltages comprising, in combination a first relay actuated by and in synchronism with one of said voltages, a second relay actuated by and in synchronism with another of said voltages, each of said relays having a pair of ganged separately conducting armatures, each of said armatures having contacting surfaces alternately cooperative with front and back contacts; said relays connected as two reversing circuits, each circuit including two input terminals and two output terminals said input terminals constituting the said separate armatures of the same relay, one of said output terminals being connected to both the said front contact cooperating with a contacting surface of the said first armature and the said back contact cooperating with a contacting surface of the said second armature, the other of said output terminals being connected to both the said back contact cooperating with a contacting



surface of the said first armature and the said front contact cooperating with a contacting surface of the said second armature; a source of fixed potential connected across the input terminals to said first reversing circuit; the output terminals of said first reversing circuit connected to the input terminals of said second reversing circuit; a direct current indicating device connected across the output terminals of said second reversing circuit.

2,498,598
CARBURETOR
Judson Williams, Philadelphia, Pa.
Application July 10, 1945, Serial No. 604,238
6 Claims. (Cl. 261—61)

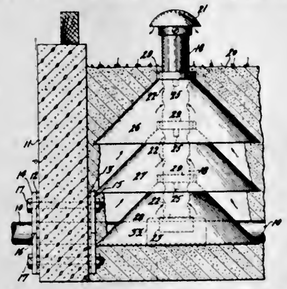


6. A carbureter including a block having a carbureting passage therein, spaced adjustable butterfly valves having stems extending through a wall of said passage and provided with valve disks disposed within the passage, knobs carried by said stems for adjusting the valves, bushings journaling said stems and abutting said wall but being freely removable from the block, a separate clamping plate extending between said bushings and resting at its ends thereagainst externally of said wall, a single screw securing said plate to the block at a point between the valves binding the plate against said bushings and detachably connecting the valves as well as the bushings and plate with the block, a sleeve carried by said screw and provided with slots, and a detent spring bowed over said screw to extend through said slots yieldably engaging at its ends with both knobs for holding the valves in adjusted position.

2,498,599
GAS VENT
Donald L. Werner, New Brunswick, N. J.
Application June 9, 1948, Serial No. 31,887
1 Claim. (Cl. 48—193)

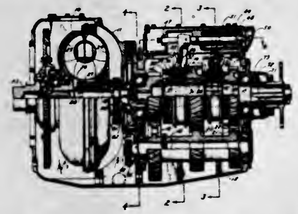
In apparatus of the character described, the combination with a horizontal gas pipe subter-

raneously extending through the wall of a building, of a trap adjacent to such wall comprising a vent tube set perpendicular to said pipe and extending upwardly above ground, said tube provided with longitudinally spaced apart apertures,



lugs on the exterior of said tube and a series of frusto-conical formed canopies having collars coaxially supported on said tube by means of said lugs, said collars provided with keyways adapted to bypass said lugs for assembly purposes.

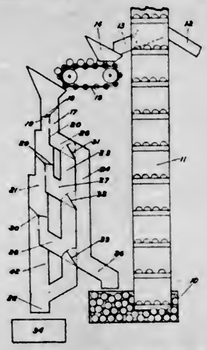
2,498,600
HYDRAULIC TRANSMISSION AND CONTROL MECHANISM THEREFOR
Renke Brunken, Shaker Heights, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application March 19, 1945, Serial No. 583,515
16 Claims. (Cl. 74—472)



1. In combination with an engine, a turbine driven thereby, change speed gearing driven by the turbine and a synchromesh clutch associated with said gearing, apparatus for controlling the actuation of said clutch comprising an electrical switch, mechanism driven at the differential speed of the engine and turbine for the actuation of the switch, a second switch driven by the change speed gearing output, a fluid operated piston coupled with said clutch, means electrically coupled with said switches for the control of said piston, a carburetor valve, means electrically coupled with the first named means for the control of the valve, an engine ignition system and means electrically coupled with the first named means for the control of the ignition system.

2,498,601
SAMPLE TAKING DEVICE
Richard S. Bylin, San Marino, Harry H. Covington, Alhambra, and Frederick F. Heydenfeldt, Los Angeles, Calif., assignors to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application January 19, 1946, Serial No. 642,370
9 Claims. (Cl. 73—421)

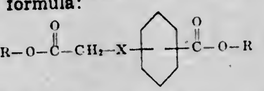
1. A sample taking device having an inlet and two outlets, article operated means pivoted in the inlet for alternately deflecting articles passing through the inlet to a longitudinal channel and a lateral channel, article operated means pivoted in said longitudinal channel for alternately deflecting articles travelling in said channel to the said channel and to a second lateral channel, a second article operated means pivoted in said longitudinal channel for alternately deflect-



ing articles travelling in said channel to the said channel for delivery to one of the outlets and to a third lateral channel, and manually operable means adjacent each lateral channel for individually or collectively directing articles emerging from the respective channel to either one of the two outlets.

2,498,602
VINYL CHLORIDE COMPOSITIONS
Joachim Dazzi and Charles H. Rector, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 27, 1948, Serial No. 29,645
6 Claims. (Cl. 260—30.8)

1. A plasticized vinyl resin composition which comprises a vinyl chloride polymer containing intimately dispersed therein an ester having the structural formula:

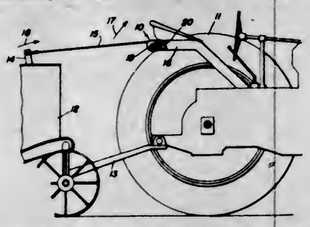


wherein X is an atom of the group consisting of oxygen and divalent sulfur, and R is a radical of the group consisting of hydrocarbon radicals, oxahydrocarbon radicals and thia-hydrocarbon radicals in which there are from 4 to 12 carbon, sulfur and oxygen atoms.

2,498,603
CABLE TENSIONING DEVICE
Simon Dyk, Manhattan, Mont.
Application October 10, 1947, Serial No. 779,098
6 Claims. (Cl. 242—107)

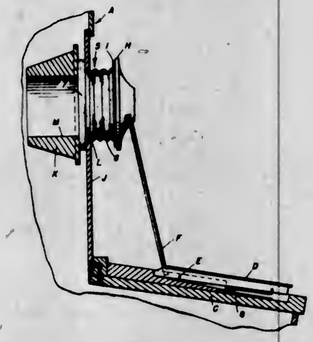
6. A cable tensioning device comprising in combination, a drum-shaped housing formed with a longitudinally extending slot, a reel rotatably mounted in said housing and including a pair of side flanges, one of said flanges being provided with a recess, a spiral spring connected at one end thereof to said reel and at its remaining end to said housing, a radially projectable dog slidably mounted on the recessed flange, a leaf spring urging said dog in engagement with said slot, said reel being adapted for the winding of

a cable thereon, said cable passing through said recess and engaging said spring, the remaining of said flanges constituting a ratchet, a coacting



pawl pivoted in said housing, resilient means for normally disengaging said pawl from said ratchet, and an actuating member provided on said pawl, said member being engageable by said cable.

2,498,604
ACCORDION KEYBOARD SILENCER
Robert C. Entwistle and Arthur Chariott, Norwalk, Conn.
Application August 5, 1947, Serial No. 766,410
4 Claims. (Cl. 84—376)

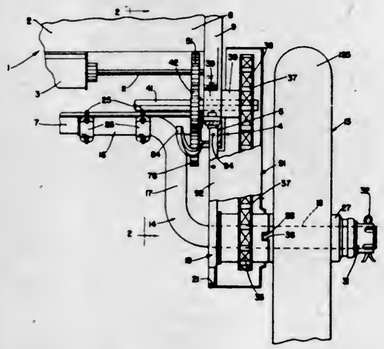


1. In a piano accordion of the class described, body means including an apertured valve plate, a reed block aligned with the aperture in said valve plate, a valve cooperable with said aperture, a keyboard, a key pivoted on said keyboard, spring return means on the keyboard for the key, an operating connection between the key and valve, a flanged rubber sleeve, the flange on said sleeve being interposed between the reed block and adjacent surface of said valve plate, said sleeve embodying spring means and including a valve seating surface for the valve.

2,498,605
SYNTHETIC FIBER PREPARATION
George E. Ham, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 29, 1948, Serial No. 5,191
6 Claims. (Cl. 260—30.4)

1. A new composition comprising a homogeneous miscible mixture of an anhydride of the group consisting of maleic anhydride and succinic anhydride, and a polymer of at least 70 per cent of acrylonitrile said polymer having a molecular weight of at least 10,000.

2,498,606
ADJUSTABLE GEARING
William A. Hyland, Horicon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application July 16, 1945, Serial No. 605,372
17 Claims. (Cl. 74—405)

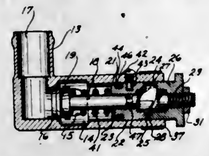


1. For use in a grain drill having a frame, and a driving gear member and a driven gear member journaled thereon, the improvement comprising a gear hanger, a pair of intermeshing gears journaled thereon, a gear hanger support member upon which said gear hanger is swingably mounted about an axis coinciding with one of said gears, means for mounting said gear hanger support member on said frame in a position meshing said one gear of said intermeshing gears with one of said gear members and providing for the swinging movement of said gear hanger carrying the other of said intermeshing gears into and out of mesh with the other of said gear members, and means for fixing said support member in different positions of adjustment relative to said frame to accommodate disposing different sizes of gears on said gear hanger in mesh with said one gear member.

2,498,607
CONVERSION OF HYDROCARBONS
Edwin T. Layng, New York, N. Y., assignor to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
No Drawing. Original application December 30, 1942, Serial No. 470,687. Divided and this application June 18, 1946, Serial No. 677,521
7 Claims. (Cl. 260—671)

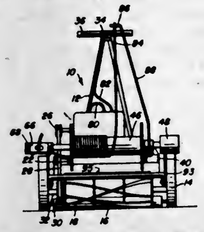
4. The method of activating olefin hydrocarbons in condensation reactions which comprises passing the hydrocarbons which enter into the condensation reactions, under suitable reaction conditions of temperature, pressure and space velocity, through a consolidated granular mass essentially consisting of an intimate mixture of catalyst granules and spacer granules, said spacer granules being in physical non-adhering contact with said catalyst granules, each of said catalyst granules comprising an intimate mixture of phosphoric acid and finely divided supporting material therefor, and each of said spacer granules being composed of charcoal and sufficiently coarse to preserve in the catalyst mass the desired permeability.

2,498,608
VALVE
Frank J. Raybould, Lakewood, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application July 3, 1945, Serial No. 603,001
2 Claims. (Cl. 251—132)



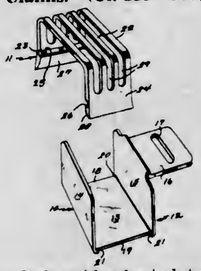
1. A valve comprising a valve body having inlet and outlet ports and a valve seat therebetween, a bore in said body leading to said valve seat and having an axially outer cylindrical wall portion concentric with said valve seat, a plug slidable axially into said bore, means securing said plug in said bore with the plug spaced axially outwardly from said valve seat, a circumferential groove in said plug and a sealing member in said groove sealing against the wall of said bore, an axial aperture in said plug, a valve disc adjacent said valve seat, a valve stem slidably extending from said valve disc through the aperture in said plug, sealing means between said stem and plug, cam means formed on the axially outer end of said plug, a cam member removably secured to an outer portion of said stem and having cam means complementary to and in engagement with the cam means of said plug, spring means for urging said valve disc against its seat, and means to rotate said cam member to cause said valve to open.

2,498,609
AUTOMATIC ELECTRIC WIRE ROLLER FOR ELECTRIC POWER LAWN MOWERS
Ben Reil, Dunkerton, Iowa
Application January 12, 1948, Serial No. 1,706
10 Claims. (Cl. 191—12.2)



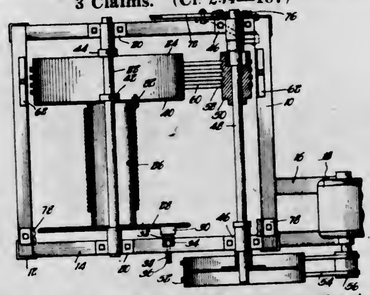
4. In a lawn mower having a frame, supporting and driving wheels carried by said frame, a cutting reel journaled transversely of said frame between and operatively connected to said wheels, an electric motor on said frame drivingly connected with said wheels, a conduit reel journaled on said frame above and substantially parallel to said cutting reel, an electric conduit for powering said motor from a stationary electrical supply and adapted to be stored upon said conduit reel, a driven pulley carried by said reel, actuating means responsive to a predetermined tension in said conduit for moving said pulley along an arcuate path for selectively establishing and interrupting a driving connection between said pulley and one of said driving wheels, a mast swingably mounted on said frame, a frictional grip on said mast engageable with said conduit for causing swinging of said mast in response to predetermined tension in said conduit, an operating connection between said mast and said actuating means for operating the latter in response to swinging movement of said mast.

2,498,610
FILLING-FORK GRID
William P. Squires, Moultrie, Ga., assignor of five per cent to J. O. Gibson and five per cent to Waldo De Loache, both of Moultrie, Ga.
Application December 29, 1948, Serial No. 67,830
6 Claims. (Cl. 139—379)



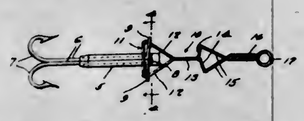
1. A filling-fork grid adapted to be precision mounted on a loom, comprising a bracket member having an attaching portion adapted to be secured to the loom and a grid supporting portion; and a grid member carried by said supporting portion in a fixed position relative to said attaching portion, said grid having a quick detachable snap action connection to said grid supporting portion permitting the grid member to be readily removed and replaced in its fixed position relative to the attaching portion without disturbing the precision mounting.

2,498,611
HAY HOIST
Joseph L. Staver, Mineral Point, Wis.
Application May 11, 1946, Serial No. 669,034
3 Claims. (Cl. 254—187)



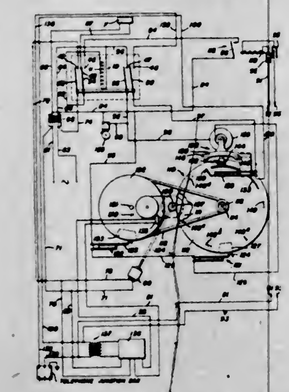
1. A hoist comprising a winch drum having a driven pulley and a drag brake, said drag brake being in continuous engagement with said winch drum, a driving pulley mounted on a shaft, a belt interconnecting said pulleys, an idler pulley mounted on the shaft of said driving pulley and beneath said belt by a pivoted lever, spring means biasing said idler pulley away from said belt, a guard extending around a substantial part of said pulleys and said belt, and a manually operable lever pivotally connected to said pivoted lever for moving said idler pulley against said belt to cause said belt to transmit power between said pulleys.

2,498,612
TRAP HOOK
Albert G. Tackett, Bethel, Ohio
Substituted for application Serial No. 404,730, July 30, 1941. This application July 24, 1947, Serial No. 763,224
2 Claims. (Cl. 43—37)



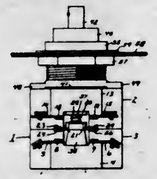
1. In a multiple trap hook, a tubular member, a plurality of fish hooks having shanks rotatably disposed within said tubular member and having laterally extending eye-equipped ends projecting through a slot provided therefor in the periphery of said tubular member, and a substantially triangular expander element of wire frame construction, said eyes of the hooks having sliding engagement with certain of the sides of said expander element for causing opposite rotation of the shanks of the hooks on their longitudinal axes, incidental to a relative shifting movement of said tubular carrier and said expander element.

2,498,613
ALARM SYSTEM
David B. Talbot, Britton, Okla., assignor of one-tenth to H. S. Brimm, one-tenth to H. W. Sims, and one-fifth to Frank W. Jones, all of Oklahoma City, Okla.
Application September 20, 1948, Serial No. 50,055
12 Claims. (Cl. 179—5)



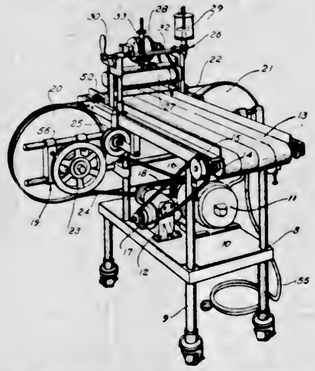
1. An alarm system for use in connection with a subscriber's telephone station and line comprising an endless record, means for driving the same, an operative circuit for said driving means, means for translating the record into telephone currents, means for transmitting the telephone currents over the telephone line, a dialling circuit, means for dialling the number of a predetermined alarm station and an operative circuit for the same, means including a relay controlling the operative circuits of the record driving means and of the dialling means, an operative relay circuit, alarm contacts for closing said circuit and means for holding the relay in its operative position after it has been energized.

2,498,614
CIRCUIT SELECTOR SWITCH
William C. Tregoning, Shaker Heights, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application May 27, 1947, Serial No. 750,666
16 Claims. (Cl. 200—4)



1. In a selector type switch, a switch housing supporting spaced stationary contacts; movable contacts reciprocable therebetween; a reciprocable plunger supporting the movable contacts; guide means on the housing and plunger to restrain the plunger from rotating; a cup form, outwardly open cam on the outer end of the plunger having a cam surface on the outer edge of the cup; a rotatable switch handle connected to a downwardly open cup form extension, having a tubular wall surrounding the cam; a cam follower inside the cup form extension and on its bottom, engaging the cam surface; a tubular guide on the switch housing and telescoped with the extension tubular wall; a spring reacting on the housing and reacting axially outwardly on the plunger and cam, and yieldably holding the cam surface against the cam follower; mutually engaged shoulders on the tubular guide and on the tubular wall, allowing rotation of the cup form extension and cam follower by the handle, and preventing axially outward movement thereof by the spring effected engagement of the cam surface with the cam follower.

2,498,615
ENDLESS BAND BLADE CAKE SLICING MACHINE
Elmer L. Copenhaver, Charleston, W. Va., assignor to Purity Research & Development Corporation, a corporation of West Virginia
Application September 4, 1945, Serial No. 614,409
5 Claims. (Cl. 146—88)

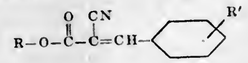


1. A cake slicer comprising a frame, an endless cake carrying belt on the frame, a blade arranged to operate in super-posed relation to the belt, a blade oiler on one side of said belt through

which the blade travels preparatory to engagement with the cake, the oiler including a rotatably mounted oil well in communication with the blade, and a blade cleaner on the opposite side of the belt through which the blade travels after having passed through the cake.

2,498,616
POLYMERIZATION PRODUCTS OF STYRENE
William S. Emerson, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 23, 1945, Serial No. 606,715
6 Claims. (Cl. 260—78.5)

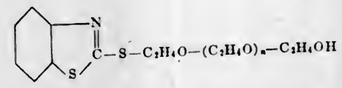
5. The process of forming a resinous product which comprises heating a mixture of from 50 to 99 percent by weight of styrene and from one to 50 percent of a compound having the structural formula:



wherein R is an alkyl group having from one to five carbon atoms, and R′ is a radical of the group consisting of hydrogen and alkoxy having from one to four carbon atoms, and recovering the said resinous product.

2,498,617
POLYGLYCOL PRODUCTS
Earl W. Gluesenkamp, Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 2, 1947, Serial No. 758,719
4 Claims. (Cl. 260—306)

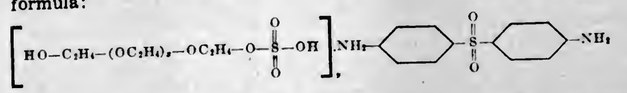
1. The product having the formula:



where n is an integer having a value between 3 and 28.

2,498,618
POLYGLYCOL SULFATE SALTS OF DIAMINODIPHENYL SULFONE AND PREPARATION THEREOF
Earl W. Gluesenkamp, Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 24, 1948, Serial No. 61,895
6 Claims. (Cl. 260—397.6)

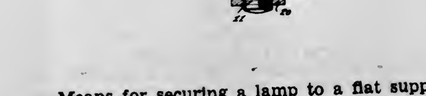
1. A compound having the following structural formula:



wherein x is a whole number from five (5) to thirty (30), inclusive, and y is a small whole number from one (1) to two (2), inclusive.

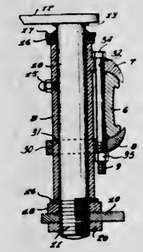
2,498,619
POLYGLYCOLSULFONIC ACID SALTS OF DIAMINODIPHENYL SULFONE AND PREPARATION THEREOF
Earl W. Gluesenkamp, Centerville, and Milton Kosmin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 24, 1948, Serial No. 61,896
4 Claims. (Cl. 260—397.6)

1. A compound having the structural formula:



wherein x is a small whole number from five (5) to thirty (30), inclusive, and y is a small whole number from one (1) to two (2), inclusive.

2,498,620
SAFETY DRIVING LIGHT MOUNTING
Thad L. Hancock and Hester K. Hancock, La Marque, Tex.
Application March 4, 1947, Serial No. 732,219
1 Claim. (Cl. 248—226)



Means for securing a lamp to a flat supporting arm comprising an elongated, tubular housing for rotatably receiving a lamp-carrying stud, a curved and tapered clamping arm extending outwardly from said housing near one end of the latter to hook over one edge of the flat supporting arm, a ring slidably received on said housing between said clamping arm and the opposite end of said housing, a curved and tapered clamping arm extending outwardly from said ring to hook over the opposite edge of said supporting arm in opposition to said first-mentioned clamping arm, said clamping arms having respective apertures therethrough adjacent said housing, a threaded bolt extending through said clamping arm apertures, and a nut threaded on said bolt to force said clamping arms into clamping engagement with the opposite edges of said supporting arm and wedge said bolt against the adjacent side of the supporting arm.

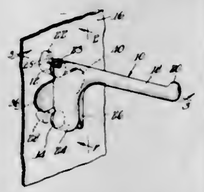
2,498,621
POROUS COMPOSITIONS OF MATTER AND THEIR PREPARATION
Edward L. Kropa, Old Greenwich, Conn., Louis E. Craig, Easton, Pa., and Arthur S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 4, 1948, Serial No. 63,632
10 Claims. (Cl. 260—2.5)

1. An expanded, porous, low-density, cellular, cured water-insoluble resin which is the product obtained by subjecting a homogeneous mixture including (1) a polymerizable unsaturated alkyd resin containing a plurality of alpha, beta-enal groups, (2) a compatible copolymerizable liquid having a boiling point of at least 100° C. and a $CH_2=C<$ group, and being selected from the group consisting of styrene, alkyl-substituted styrenes and chlorinated styrenes, (3) from about 1–3% by weight, based on the combined weight of said alkyd resin and said liquid, of cellulose acetobutyrate having an acetyl content of from about 5–15% and a butyryl content of from about 30–50%, and (4) a solid, gas-liberating material, to conditions under which said unsaturated alkyd resin and said copolymerizable liquid copolymerize and said gas-liberating material simultaneously releases a gas.

2,498,622
REFRACTORY COMPOSITION
John M. Mochel, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application November 6, 1947, Serial No. 784,525
7 Claims. (Cl. 106—59)

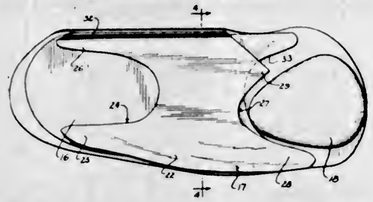
1. A refractory composition which, exclusive of impurities, consists of Cr_2O_3, TiO_2 and an alkaline earth metal oxide (RO) selected from the class consisting of MgO, CaO, SrO and BaO, the Cr_2O_3 being at least 80%, the TiO_2 being from about 1% to about 15% and the ratio TiO_2/RO being from about .5/1 to about 5/1.

2,498,623
DETACHABLE BRACKET
Ouglesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application October 12, 1946, Serial No. 702,941
3 Claims. (Cl. 248—243)



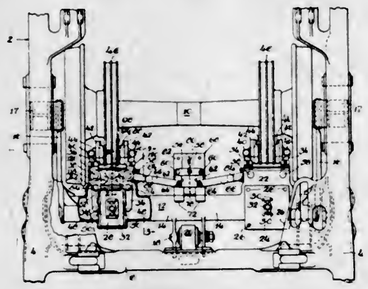
1. A one-piece bracket for mounting on an upright apertured member, comprising a sheet metal piece formed to provide two resilient legs, opposed hook-shaped catch arms at the junction of said legs for positively gripping said member, locking stud sections respectively carried by said legs, and an arm adapted to extend laterally of said member.

2,498,624
FOOT CUSHION
Garnett C. Skinner, Evanston, Ill.
Application March 23, 1948, Serial No. 16,607
5 Claims. (Cl. 36—71)



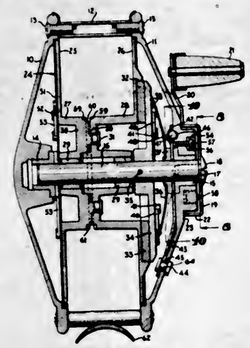
1. A foot cushion comprising upper and lower layers of pliable material, a molded longitudinal and transverse arch-supporting frame between said layers, said frame having cut-outs at its anterior and posterior portions and an upstanding flange on an edge of its longitudinal arch-supporting portion, a sheet of resilient material between the frame and the lower layer, said sheet conforming substantially to the outline of the frame and underlying the posterior cut-out, and a resilient phalanges-supporting cushion located in the anterior cut-out.

2,498,625
ROTOR BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 16, 1945, Serial No. 578,233
3 Claims. (Cl. 188—59)



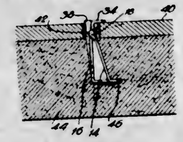
1. In a railway brake arrangement for a railway car truck comprising a wheel and axle assembly including a pair of brake surfaces, and a truck frame structure supported by said assembly; the combination of a brake frame supported by said truck, a pair of brake levers fulcrumed to said frame, brake means carried by said levers for braking respective surfaces, a slot through one of said levers, spaced arms on said one lever above and below said slot respectively, spaced arms on the other lever aligned with respective arms of said one lever, an actuating lever projecting through said slot, and spaced equalizers each engaging one arm only of each brake lever, said actuating lever extending between said equalizers and affording the sole means of support therefor, a bolt extending through said equalizers and said actuating lever to afford a pivotal connection therebetween, said bolt having a portion bearing against a friction surface on one equalizer, and a compressed spring carried by said bolt and reacting against the other equalizer whereby said equalizers are resiliently clamped on said actuating lever and are maintained in alignment with the related arms.

2,498,626
FISHING REEL
Elbert L. Bivans, Los Angeles, Calif.
Application October 18, 1946, Serial No. 704,060
5 Claims. (Cl. 242—84.7)



1. A fishing reel comprising a spool, a shaft, a clutch therebetween, an end plate, a spring acting on said clutch, a spring adjusting member rotatably and slidably supported by said shaft and acting on said spring, spaced projections on the inner side of said end plate and cooperating sets of recesses of different depths on said adjusting member, a handle on said adjusting member, and a slot in said end plate for said handle.

2,498,627
FASTENING DEVICE
Robert Lay Hallock, Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union Township, N. J., a corporation of New Jersey
Application January 26, 1944, Serial No. 519,729
29 Claims. (Cl. 85—11)

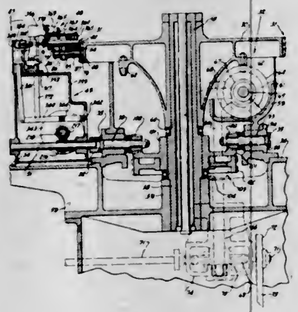


1. A nail comprising an integral sheet metal body having a substantially flat sharp penetrating end portion, a tension member and a compression member separate from the tension member extending from said end portion, said members being offset relative to each other above said end portion to lie in different contiguous substantially parallel planes and overlap each other at least in part, said tension member being shorter than said compression member and having a portion bent outwardly to provide a material engaging abutment and said compression member being formed to provide a place intermediate its ends relatively weak in resistance to compression for causing the compression member to bend to spread the inner portion of the device after penetrative movement has been arrested by the action of said abutment.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

505,179. **LAMP MAKING MACHINE.** Fred B. Iden, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York. Filed Oct. 6, 1943. Published Feb. 21, 1950. Class 29—25.2. Eight sheets of drawings.



Apparatus for manufacturing electric lamps comprises a rotatable turret **30** which is periodically indexed. A plurality of heads **31** for holding portions of lamp assemblies are mounted on the turret and carried thereby to a plurality of work stations. A stationary support frame **34** extends around the path of the heads and supports individual work mechanisms such as the unit **47, 48, 49** at the said work stations for performing a series of manufacturing operations on the work held in said heads. Each of the said mechanisms is a self-contained, readily removable and interchangeable unit including, in addition to work-performing means(**47, 48**), a rotatably mounted drive shaft **91'** projecting from the unit and having a coupling member **92** thereon, and actuating mechanism (**343, 340**, etc.) constructed and arranged to translate the rotary motion of the drive shaft **91'** to motions required by the said work-performing means during each period of dwell of the carrier. A common drive means (**101, 102**, etc.) engages the coupling members **92** of the individual work mechanisms to rotate their drive shafts continuously. Means are provided for driving the turret indexing mechanism in synchronism with the said common drive means which further include a plurality of spindles **93** carrying couplings **33** which engage the couplings **92** of the work mechanisms, the cooperating coupling members being provided with interlocking engagement means which by their engagement predetermine the setting of the actuating mechanism of each of said work mechanisms in synchronism with the turret indexing means. In the machine disclosed herein one of the said work mechanisms comprises means for feeding a pair of wires in spaced parallel relation to the heads **31** as they are indexed into the station occupied thereby; another work mechanism comprises means for delivering glass rings to a position surrounding the said wires; another work mechanism comprises means for bending the wires to predetermined positions; and another work mechanism comprises means for feeding a filament to a position adjacent the ends of said wires, and means for fastening together the ends of the filament and the wires. Means are also provided at stations intermediate the glass ring delivering station and the wire shaping station for fusing the ring into a bead enclosing portions of the wires.

555,808. **TRANSFER PROCESS.** Ralph M. Evans, Rochester, N. Y. Filed Sept. 26, 1944. Published Feb. 21, 1950. Class 101—149.1. One sheet of drawings.

Colored photographic images are formed by a transfer method which includes incorporating a dye or coloring material in a transfer blank and transferring from a gelatin relief image a bleach for the dye or coloring material in the transfer blank.

To form the transfer blank, a gelatin layer is prepared on any suitable support and a dye or coloring material such as colloidal silver is uniformly dispersed in this layer. The gelatin layer may contain a mixture of three separate dyes necessary to form a natural color picture or the separate dyes may be incorporated in three superposed gelatin layers. The dyes or coloring materials may be cyan, magenta and yellow in color to produce a natural color image.

The bleach bath in the case of a single dye bleaches the dye imagewise in accordance with the relief image which is soaked with the bleach bath and used to transfer the bleaching agent to the transfer blank. In a multi-color process where more than one dye or coloring material is incorporated in the transfer or imbibition blank, the bleach baths are chosen so that their action on the dyes or coloring materials is selective. The bleaches are transferred in succession to the layer containing the coloring materials or dyes, each bleach acting on one of the coloring materials or dyes. The bleached products are then washed out and the layer dried to obtain a natural color photograph.

Dyes formed by coupling may be used in the transfer blank. These are of the azo-methine or indaniline type and are formed by coupling the oxidation product of a phenylene diamine photographic developing agent with an active methylene compound or with a phenolic compound. These dyes may be formed in a silver halide emulsion layer by exposing the layer and developing it in a color-forming developing solution, the silver images formed in the development being removed prior to treatment of the blank with the bleaching agent by the use of ferricyanide and hypo. The dyes may also be prepared in solution and incorporated in the gelatin before coating.

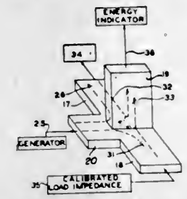
Instead of dyes, a coloring material such as colloidal silver which is red or yellow in color may be used. A bleaching agent for colloidal silver is potassium ferricyanide and potassium bromide.

An example of a dye formed by coupling is the dye made by coupling hydroxy diphenyl with the oxidation product of 2-amino-5-diethyl amino toluene to form a cyan dye. This is incorporated in a gelatin blank and may be bleached by applying to the dyed bleach a gelatin relief image which was soaked in the following solution:

Sodium bisulfite	grams	60
Sodium sulfite	do	60
Sodium metaborate	do	3
Ethyl alcohol	cc	400

Water to 1 liter.

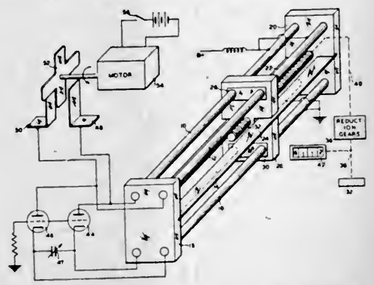
580,014. **TRANSMISSION SYSTEM.** Robert L. Kyhl, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Feb. 27, 1945. Published Feb. 21, 1950. Class 175—183. One sheet of drawings.



Apparatus comprising a wave guide junction for determining the value of an impedance is disclosed. Wave guide **19** is connected to wave guide **17—18** symmetrically in a series junction. Wave guide **20** is connected to wave guide **17—18** symmetrically in a parallel junction. Any slight electrical unbalance of wave guide branches **17** and **18** due to mechanical discrepancies in manufacture is compensated by adjustable probes inserted into the junction. The unknown load impedance **34** is connected to the free end of the wave guide branch **17**. The adjusted value of calibrated load impedance **35** which yields a zero reading on indicator **36** when energy is supplied from source **25** is equal in value to the unknown impedance.

610,177. **TRANSMISSION LINE TUNING DEVICE FOR ULTRA HIGH FREQUENCY OSCILLATORS.** Bernal M. Meador, Dayton, Ohio, and Henry W. Strege, Bellingham, Minn. Filed Aug. 10, 1945. Published Feb. 21, 1950. Class 250—36. Two sheets of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)



An oscillator comprising a pair of electronic valves, whose grids are interconnected, a first transmission line made up of two parallel conductors connected to the anodes of said valves, a second transmission line made up of two parallel conductors connected to the cathode of said valves, a pair of shielding metal strips located between said two pairs of parallel conductors, a non-conducting block with two inserted conducting plates and adapted to slide along the aforesaid conductors to provide an electrical short circuit between the conductors of a given pair without providing an electrical connection between the two pairs of conductors, a variable capacitor having two stator plates connected, respectively, to the first and second of said first transmission line conductors, a toothed wheel serving as a rotor plate and driven between the stator plates by a motor, upon energization thereof, so as to frequency modulate the oscillator, if desired.

667,012. **LUMINESCENT MATERIALS.** Franz Urbach and Donald Pearlman, Rochester, N. Y., assignors to University of Rochester, Rochester, N. Y., a corporation of New York. Filed May 3, 1946. Published Feb. 21, 1950. Class 252—301.4. No drawing.

Strontium sulfide phosphors activated by cerium and samarium with a flux of lithium fluoride or lithium phosphate are highly stimulable by infrared radiation, and have a particularly long storage life after they have been excited by shorter wave length radiation.

The dominant activator, cerium, determines the color of the emitted light and the auxiliary activator, samarium, determines the infrared wavelengths to which the phosphor is sensitive, but both are required to get the stimulability.

An example of such a phosphor may be prepared as follows:

To 1200 g. of strontium carbonate contained in a four liter beaker are added solutions containing 0.048 g. of samarium and 0.120 g. of cerium. The contents of the beaker are then slurried with water, well mixed and dried. The activated carbonate is transferred to a ball mill and mixed with 60 per cent of sulphur, by weight. This mixture is converted into "activated sulfide" by firing it at 1200° C. for 15 minutes in an atmosphere of dry hydrogen sulfide to reduce the amount of strontium sulfate formed. The firing is carried out in 70 ml. platinum crucibles covered with loose fitting lids. Quartz or porcelain can be used during the process of conversion of carbonate to sulfide but quartz and porcelain crucibles are attacked by lithium fluoride at the temperature used for fluxing and cannot, therefore, be used during that process.

The activated sulfide is then ground together with 20 parts by weight of calcium fluoride and 40 parts by weight of sulfur, there being 10 parts of the above sulfide to one part of the sulphur-flux mixture. The whole is thoroughly mixed and converted to the phosphor by heating the mixture for 20 minutes at 1000° C. in an atmosphere of hydrogen sulfide.

706,498. **PURIFICATION OF TITANIUM TETRAHALIDES.** Carl Kerby Stoddard and Emil Pietz, Boulder City, Nev., assignors to the United States of America as represented by the Secretary of the Interior. Filed Oct. 29, 1946. Published Feb. 21, 1950. Class 23—87. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

Titanium tetrahalides, such as titanium tetrachloride, in liquid or gaseous phase are purified by contacting the halide with pieces of metal, such as copper, silver, lead and mercury, below iron in the electromotive series, to precipitate or separate out impurities therefrom. The metallic pieces are in a tumbling state in contact with the halide. The grinding effect imparted by said tumbling regenerates clean metallic surfaces free of the impurities for further treating of such impure halides.

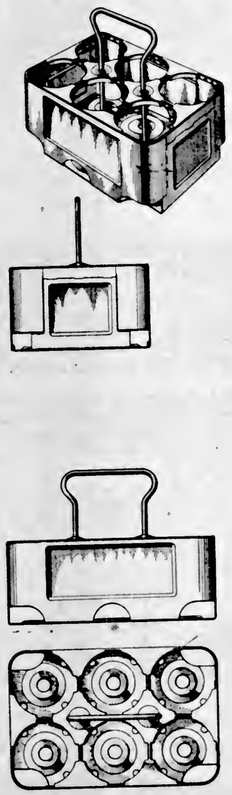
706,499. **PURIFICATION OF TITANIUM TETRAHALIDES.** Carl Kerby Stoddard and Emil Pietz, Boulder City, Nev., assignors to the United States of America, as represented by the Secretary of the Interior. Filed Oct. 29, 1946. Published Feb. 21, 1950. Class 23—87. No drawing.
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

Halides of metals of Group IV in the Periodic System, such as titanium tetrahalide, are purified by intimate contacting with at least one metal of the group of silver, lead, mercury and other active metals below iron in the electromotive to separate out impurities therefrom.

DESIGNS

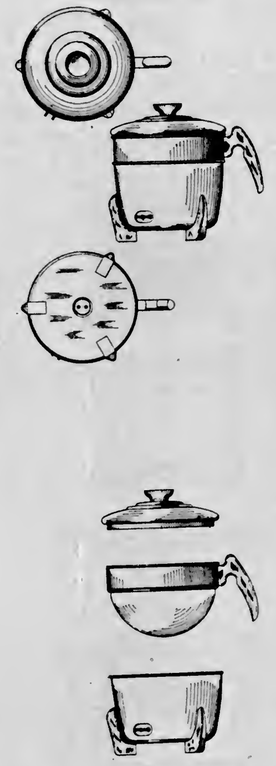
FEBRUARY 21, 1950

157,316
BOTTLE CARRIER
Grant M. Acton, Arkansas City, Kans., assignor to Acton Manufacturing Company, Inc., Arkansas City, Kans., a corporation of Kansas
Application March 28, 1949, Serial No. 1,668
Term of patent 14 years
(Cl. D58—4)



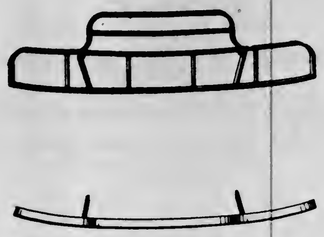
The ornamental design for a bottle carrier, as shown.

157,317
ELECTRICAL CORN POPPER OR SIMILAR ARTICLE
Clare E. Applegate, Mansfield, Ohio, assignor to Dominion Electric Corporation, a corporation of Ohio
Application February 17, 1949, Serial No. 925
Term of patent 14 years
(Cl. D44—1)



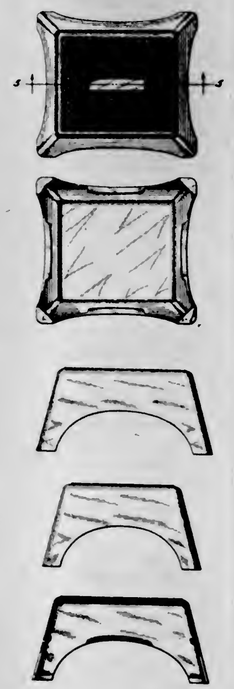
The ornamental design for an electrical corn popper or similar article, substantially as shown.

157,318
GRILLE GUARD
Lilburn Martin Dick Bailey, Memphis, Tenn.
Application December 3, 1948, Serial No. 149,961
Term of patent 14 years
(Cl. D14—6)



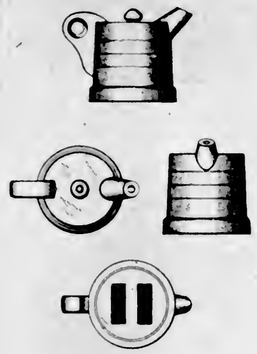
The ornamental design for a grille guard, substantially as shown.

157,319
STEP BOX
Thomas C. Bair, Utica, N. Y., assignor to Utica Radiator Corporation, Utica, N. Y., a corporation of New York
Application January 13, 1948, Serial No. 143,711
Term of patent 14 years
(Cl. D15—8)



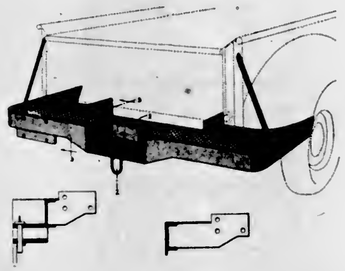
The ornamental design for a step box, substantially as shown.

157,320
COMBINATION CAN COVER AND DISPENSER FOR LIQUIDS
Lillian M. Baker, Miami Beach, Fla.
Application December 24, 1948, Serial No. 150,349
Term of patent 3½ years
(Cl. D58—17)



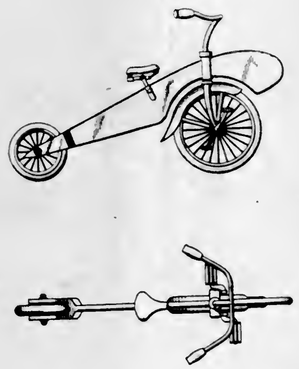
The ornamental design for a combination can cover and dispenser for liquids, as shown.

157,321
COMBINATION REAR BUMPER, TRAILER HITCH, AND FOOT PLATFORM FOR VEHICLES
Carl G. Barden, Woodland, Calif.
Application January 11, 1949, Serial No. 162
Term of patent 14 years
(Cl. D14—6)



The ornamental design for a combination rear bumper, trailer hitch and foot platform for vehicles, as shown, and described.

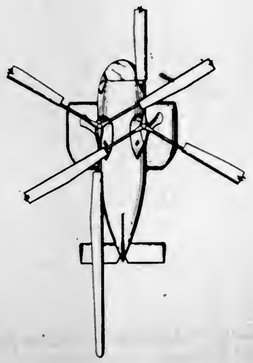
157,322
BICYCLE
Patrick A. Baretta, Kansas City, Kans.
Application January 19, 1948, Serial No. 143,867
Term of patent 14 years
(Cl. D34—15)



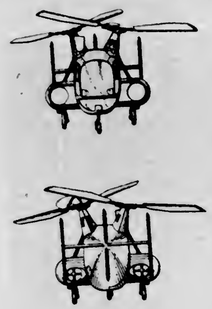
The ornamental design for a bicycle, as shown.

157,323
HELICOPTER
Charles Arthur Barnett, West Chester, Pa., assignor to Kellett Aircraft Corporation, a corporation of Delaware
Application August 10, 1948, Serial No. 148,015
Term of patent 14 years
(Cl. D71—1)





157,323—Continued



The ornamental design for a helicopter, substantially as shown.

157,324
PORTABLE TRAY TABLE OR SIMILAR ARTICLE
Stanley G. Barnett, Denver, Colo.
Application January 28, 1946, Serial No. 126,033
Term of patent 14 years
(Cl. D33—14)



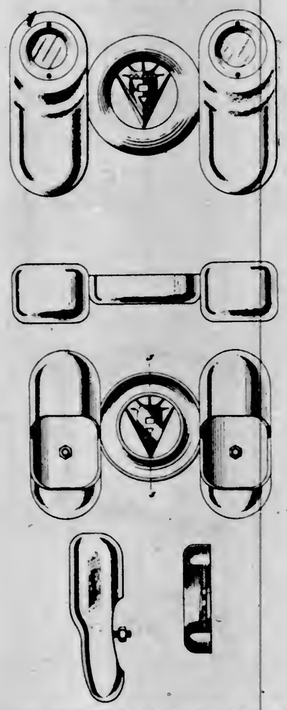
The ornamental design for a portable tray table or similar article, as shown.

157,325
WALL COVERING OR THE LIKE
A. Baker Barnhart, New York, N. Y.
Application July 6, 1949, Serial No. 3,721
Term of patent 14 years
(Cl. D59—10)



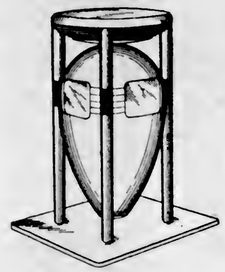
The ornamental design for a wall covering or the like, substantially as shown.

157,326
COMBINATION BUMPER GUARD AND FOG LIGHT
William B. R. Bell, Dallas, Tex.
Application January 18, 1949, Serial No. 287
Term of patent 3½ years
(Cl. D14—6)



The ornamental design for a combination bumper guard and fog light, as shown.

157,327
TELEVISION RECEIVER
E. Burton Benjamin, New York, N. Y.
Application November 22, 1948, Serial No. 149,745
Term of patent 3½ years
(Cl. D56—4)



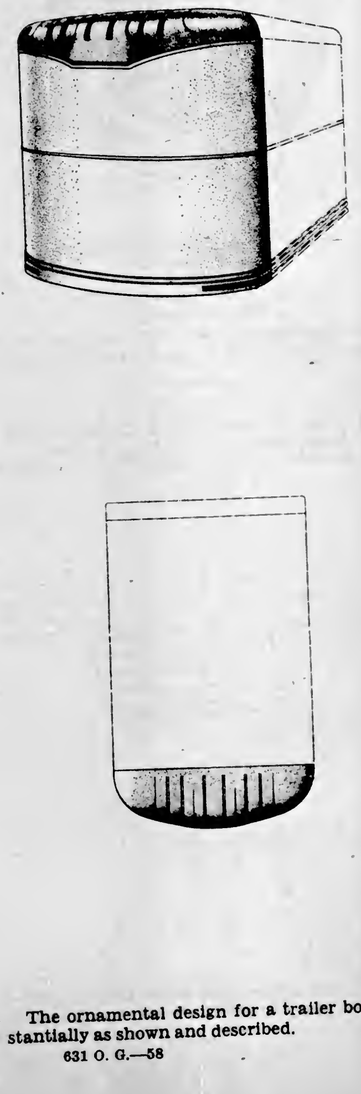
The ornamental design for a television receiver, as shown and described.

157,328
POURING CAP FOR A MILK BOTTLE
Johanna Beseke, Minneapolis, Minn.
Application December 21, 1948, Serial No. 150,292
Term of patent 3½ years
(Cl. D58—26)



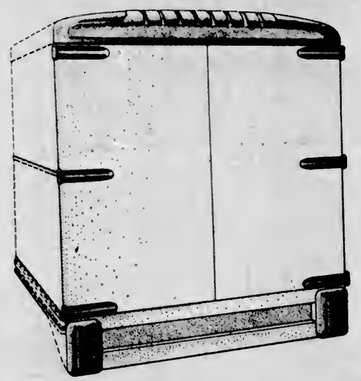
The ornamental design for a pouring cap for a milk bottle, as shown.

157,329
TRAILER BODY
James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a corporation of Ohio
Application July 2, 1948, Serial No. 147,349
Term of patent 14 years
(Cl. D14—3)



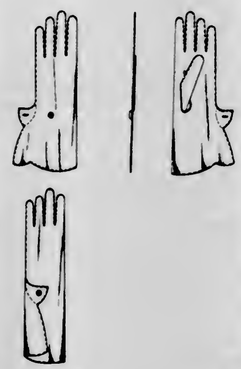
The ornamental design for a trailer body, substantially as shown and described.

157,330
TRAILER BODY
James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a corporation of Ohio
Application July 2, 1948, Serial No. 147,350
Term of patent 14 years
(Cl. D14—3)



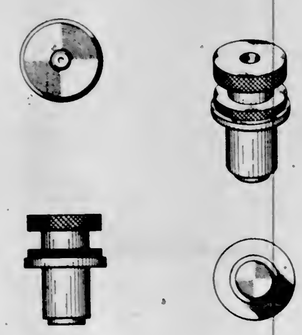
The ornamental design for a trailer body, substantially as shown and described.

157,331
GLOVE
Marinette Blanc, Hewlett, N. Y., assignor to Picardy Mills, Inc., Brooklyn, N. Y., a corporation of New York
Application April 28, 1949, Serial No. 2,325
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, substantially as shown and described.

157,332
BOTTLE CAP
George L. Bolard, Meadville, Pa.
Application February 26, 1947, Serial No. 137,182
Term of patent 7 years
(Cl. D58—10)



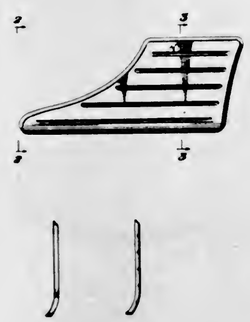
The ornamental design for a bottle cap, substantially as shown.

157,333
BADGE OR SIMILAR ARTICLE
Eunice Bonner, Gary, and Ethel Bowers, Elkhart, Ind., assignors to Mothers of World War No. II, Inc., Indianapolis, Ind., a corporation
Application November 17, 1948, Serial No. 149,687
Term of patent 14 years
(Cl. D29—2)



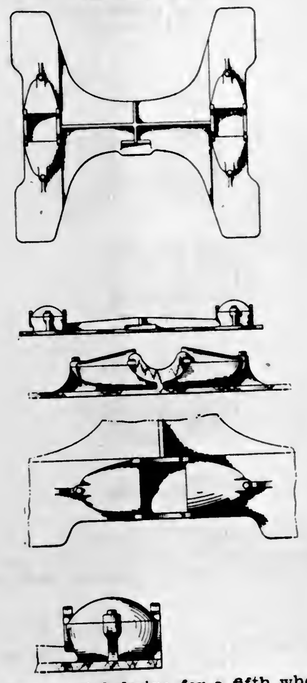
The ornamental design for a badge or similar article, substantially as shown and described.

157,334
FENDER GUARD OR SIMILAR ARTICLE
Harry Bookman, Los Angeles, Calif.
Application August 13, 1948, Serial No. 148,096
Term of patent 7 years
(Cl. D14—6)



The ornamental design for a fender guard or similar article, substantially as shown and described.

157,335
FIFTH WHEEL BASE OR SIMILAR ARTICLE
Ray A. Braunberger, Chicago, Ill.
Application October 28, 1948, Serial No. 149,354
Term of patent 14 years
(Cl. D14—6)



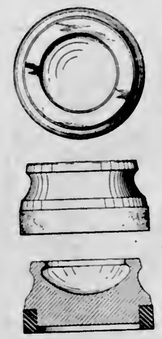
The ornamental design for a fifth wheel base or similar article, as shown.

157,336
BOTTLE STOPPER
Frederick M. Breen, White Plains, N. Y., assignor to Coty, Inc., New York, N. Y., a corporation of Delaware
Application October 16, 1948, Serial No. 149,143
Term of patent 14 years
(Cl. D58—10)



The ornamental design for a bottle stopper, as shown and described.

157,337
MEDICAMENT RECEPTACLE
Vernon E. Britt, San Jose, Calif.
Application April 18, 1949, Serial No. 2,110
Term of patent 3½ years
(Cl. 86—10)



The ornamental design for a medicament receptacle, substantially as shown.

157,338
RADIO CABINET
Robert Davol Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application January 31, 1948, Serial No. 144,192
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

157,339
BANK
Ferdinand Joseph Castillo, San Francisco, Calif.
Application March 16, 1949, Serial No. 1,430
Term of patent 14 years
(Cl. D34—11)



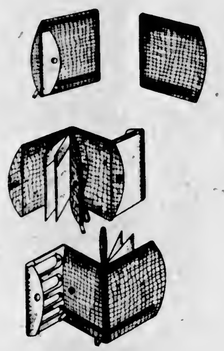
The ornamental design for a bank, as shown.

157,340
HAT OR THE LIKE
Helena Z. Chamberlin, San Diego, Calif.
Application September 27, 1948, Serial No. 148,791
Term of patent 3½ years
(Cl. D3—13)



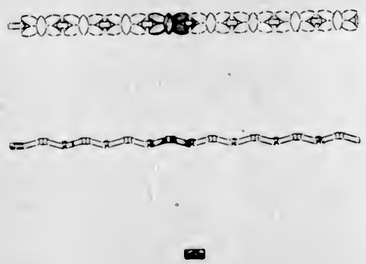
The ornamental design for a hat or the like, substantially as shown.

157,341
WALLET OR SIMILAR ARTICLE
Herbert Chase, New York, N. Y., assignor to Bernard Cahn Co. Inc., New York, N. Y., a corporation of New York
Application December 28, 1948, Serial No. 150,399
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a wallet or similar article, substantially as shown and described.

157,342
LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application October 20, 1949, Serial No. 5,601
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a bracelet or similar article, substantially as shown and described.

157,343
CHILD'S SPOON
Roland S. Clafiin, Park Ridge, Ill.
Application May 15, 1948, Serial No. 146,403
Term of patent 14 years
(Cl. D44—29)



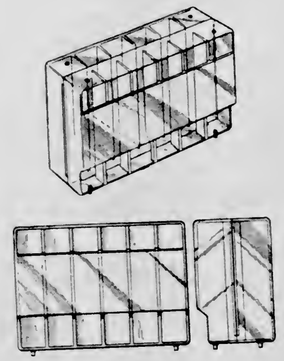
The ornamental design for a child's spoon, as shown.

157,344
COMBINED SIGNAL LIGHT AND ASH RECEIVER
Arthur C. Conner, Salt Lake City, Utah
Application October 13, 1947, Serial No. 141,883
Term of patent 3½ years
(Cl. D72—1)



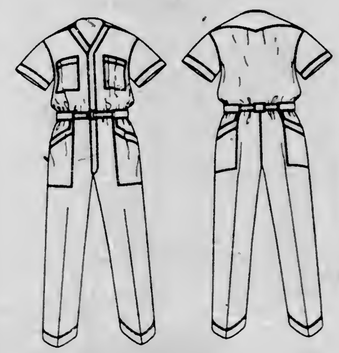
The ornamental design for a combined signal light and ash receiver, as shown.

157,345
DISPENSER
Harold F. Cook, Rahway, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application December 18, 1948, Serial No. 150,230
Term of patent 14 years
(Cl. D52—2)



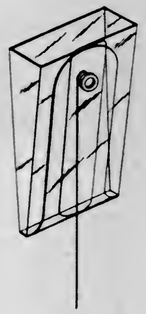
The ornamental design for a dispenser, substantially as shown.

157,346
COVERALL OR THE LIKE
Helen C. Cookman, New York, N. Y.
Application May 14, 1948, Serial No. 146,381
Term of patent 7 years
(Cl. D3—17)



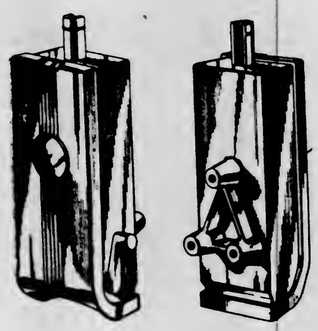
The ornamental design for a coverall or the like, as shown.

157,347
PROTECTIVE DISPLAY PACKAGE FOR BRUSHES
John Cray, Toronto, Ontario, Canada
Application May 8, 1947, Serial No. 138,920
Term of patent 7 years
(Cl. D80—5)



The ornamental design for a protective display package for brushes, as shown.

157,348
SOAP GRATER AND DISPENSER
James H. Crichton, Charlotte, N. C.
Application August 16, 1948, Serial No. 148,136
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a soap grater and dispenser, as shown.

157,349
CASING FOR AUTOMOBILE DIRECTIONAL SIGNAL
Rene Daon, East Norwalk, Conn., assignor to Yankee Metal Products Corporation, Norwalk, Conn., a corporation of New York
Application April 7, 1949, Serial No. 1,853
Term of patent 14 years
(Cl. D72—1)



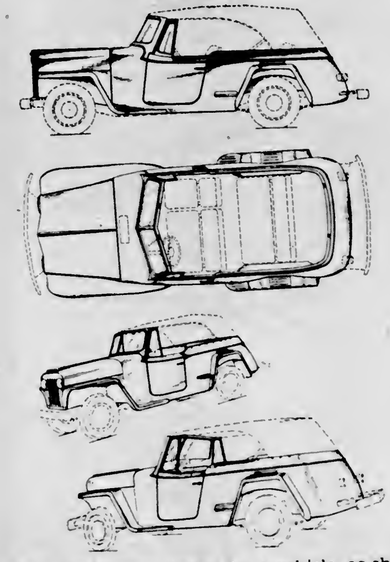
The ornamental design for a casing for automobile directional signal, as shown.

157,350
DICTATING MACHINE TRANSCRIBER CABINET
Anthony C. De Napoli, Jr., Windsor, Conn., and Raymond Spilman, Yonkers, N. Y.
Application October 20, 1949, Serial No. 5,598
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a dictating machine transcriber cabinet, as shown.

157,351
VEHICLE
Edgard C. De Smet, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application October 20, 1948, Serial No. 149,194
Term of patent 14 years
(Cl. D14—3)



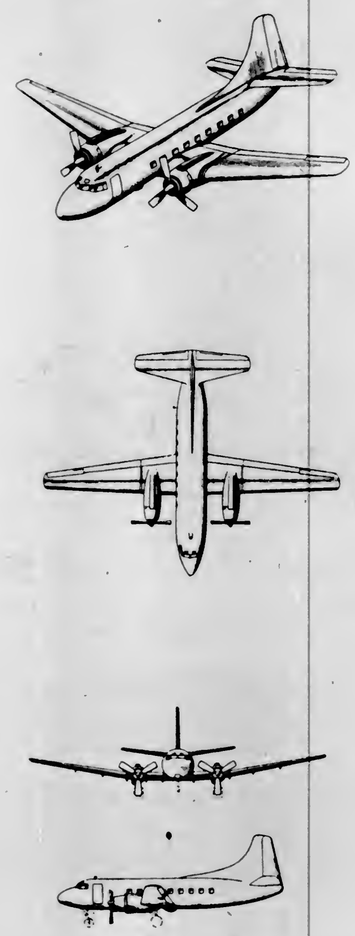
The ornamental design for a vehicle, as shown and described.

157,352
RADIO CABINET
Jack De Young, Grand Haven, Mich., assignor to Zenith Radio Corporation, a corporation of Illinois
Application February 27, 1948, Serial No. 144,771
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

157,353
AIRPLANE
William K. Ebel, Kingsville, Md., Peyton M. Magruder, Washington, D. C., and Maxwell B. Bassett, Middle River, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application October 24, 1947, Serial No. 142,132
Term of patent 14 years
(Cl. D71—1)



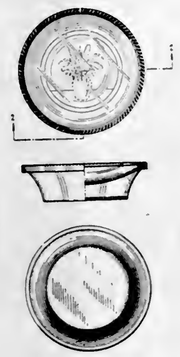
The ornamental design for an airplane, substantially as shown and described.

157,354
RADIO CABINET
Kurt Emde, Itasca, and Herbert H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois
Application December 15, 1947, Serial No. 143,159
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

157,355
DISH
Julius Epstein, West Hempstead, N. Y.
Application July 18, 1947, Serial No. 140,368
Term of patent 3½ years
(Cl. D44—10)



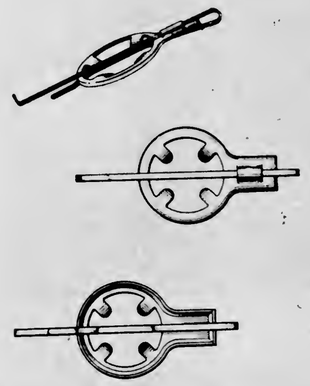
The ornamental design for a dish, substantially as shown and described.

157,356
CAP OR SIMILAR ARTICLE
Rose R. Eratico, Long Island City, N. Y.
Application September 23, 1948, Serial No. 148,733
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a cap or similar article, substantially as shown and described.

157,357
COMBINED HAIR PIN AND FRAME FOR SETTING PIN CURLS
Wayne K. Fairchild, Montebello, Calif.
Application June 15, 1948, Serial No. 146,980
Term of patent 3½ years
(Cl. D86—10)



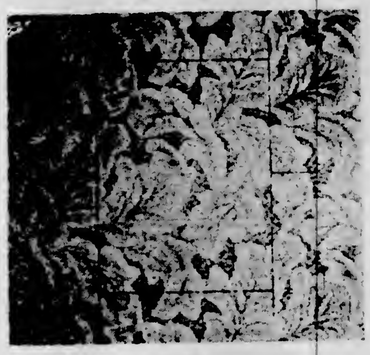
The ornamental design for a combined hair pin and frame for setting pin curls, as shown.

157,358
EARRING OR SIMILAR ARTICLE
Jacques Fath, Paris, France, assignor to Weinreich Brothers Company, New York, N. Y.
Application August 31, 1949, Serial No. 4,796
Term of patent 3½ years
(Cl. D45—9)



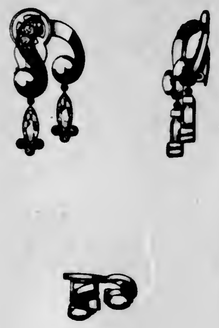
The ornamental design for an earring or similar article, substantially as shown.

157,359
CARPET
Robert Fleck, Jenkintown, Pa., assignor to C. H. Masland and Sons, Carlisle, Pa., a corporation of Pennsylvania
Application August 5, 1949, Serial No. 4,315
Term of patent 14 years
(Cl. D92—4)



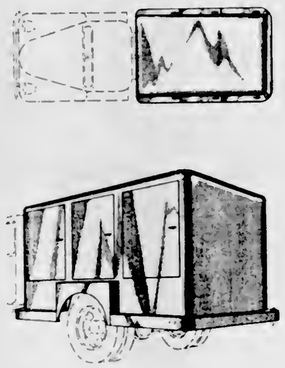
The ornamental design for a carpet, as shown and described.

157,360
EARRING OR SIMILAR ARTICLE
André Fleuridas, Westport, Conn., assignor to Mazer Bros., Inc., a corporation of New York
Application November 5, 1949, Serial No. 5,900
Term of patent 7 years
(Cl. D45—9)



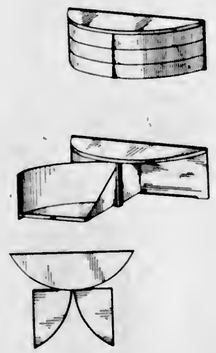
The ornamental design for an earring or similar article, substantially as shown.

157,361
TRUCK BODY
Wade O. Ford, San Angelo, Tex.
Application March 15, 1948, Serial No. 145,101
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a truck body, as shown and described.

157,362
VANITY CABINET OR THE LIKE
Mary A. Francis, Highland Park, Mich.
Application August 9, 1948, Serial No. 148,010
Term of patent 7 years
(Cl. D33—19)



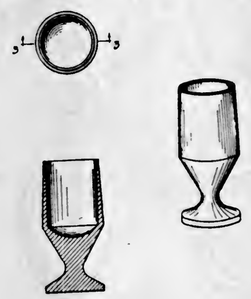
The ornamental design for a vanity cabinet or the like, as shown.

157,363
LID FOR A BEVERAGE BREWER
Samuel H. Frankel, Chicago, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application December 14, 1948, Serial No. 150,136
Term of patent 14 years
(Cl. D44—26)



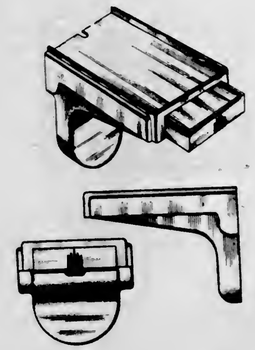
The ornamental design for a lid for a beverage brewer, as shown.

157,364
LIQUOR MEASURING GLASS
Robert H. Freshley, South Bend, Ind.
Application April 15, 1947, Serial No. 138,417
Term of patent 3½ years
(Cl. D36—8)



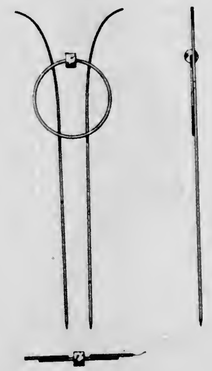
The ornamental design for a liquor measuring glass, as shown.

157,365
TELEPHONE SHELF
Louis E. Fulton, Houston, Tex.
Application January 6, 1949, Serial No. 102
Term of patent 14 years
(Cl. D33—3)



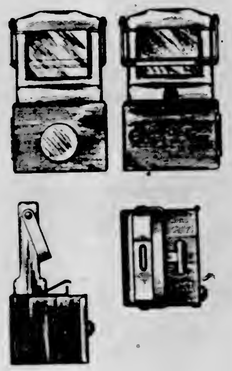
The ornamental design for a telephone shelf, as shown.

157,366
FLOWER SUPPORT
Ruth Gerth, San Francisco, Calif.
Application May 29, 1948, Serial No. 146,684
Term of patent 7 years
(Cl. D35—3)



The ornamental design for a flower support, as shown.

157,367
COIN RECEIVING DEVICE
Alexander M. Gordon, Providence, R. I., assignor to Max L. Grant, Providence, R. I.
Application April 26, 1949, Serial No. 2,269
Term of patent 14 years
(Cl. D52—4)



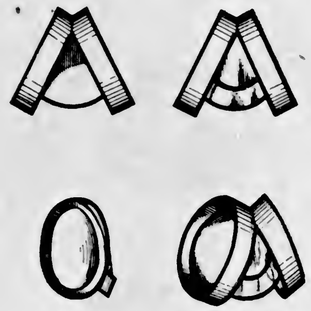
The ornamental design for a coin receiving device, substantially as shown.

157,368
BOTTLE STOPPER
James Gould, Jr., Berlin, Conn., assignor to Tempro, Incorporated, New Haven, Conn., a corporation of Connecticut
Application July 12, 1947, Serial No. 140,253
Term of patent 7 years
(Cl. D58—10)



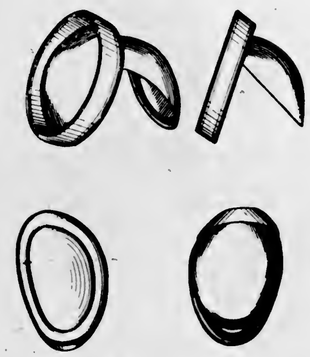
The ornamental design for a bottle stopper, substantially as shown.

157,369
HAT
Elizabeth N. Graham, New York, N. Y.
Application June 9, 1949, Serial No. 3,149
Term of patent 7 years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown and described.

157,370
HAT
Elizabeth N. Graham, New York, N. Y.
Application June 9, 1949, Serial No. 3,150
Term of patent 7 years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown.

157,371
BOTTLE HOLDER
Dorothy L. Halcomb, San Diego, Calif.
Application October 8, 1948, Serial No. 149,044
Term of patent 7 years
(Cl. D58—9)



The ornamental design for a bottle holder, as shown.

157,372
TOY ELEPHANT
Elisabeth Anne Philbrick Hall, Westwood, Mass., assignor to The National Pairpoint Company, New Bedford, Mass., a corporation of Massachusetts
Application December 23, 1948, Serial No. 150,327
Term of patent 3½ years
(Cl. D34—2)

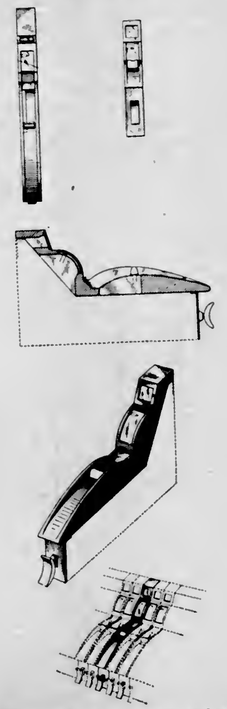


157,372—Continued



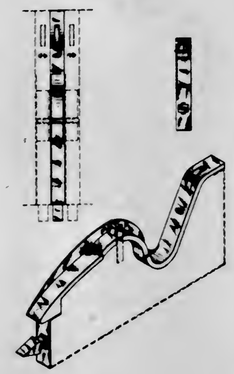
The ornamental design for a toy elephant, as shown.

157,373
ELECTRICAL CONTROL UNIT
George C. Izenour, New Haven, Conn.
Application September 29, 1947, Serial No. 141,648
Term of patent 14 years
(Cl. D26—13)



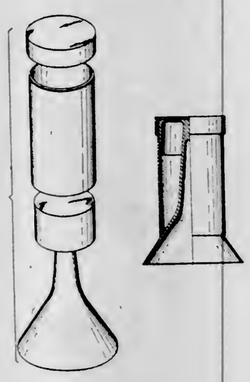
The ornamental design for an electrical control unit, substantially as shown and described.

157,374
ELECTRICAL CONTROL UNIT
George C. Izenour, New Haven, Conn.
Application September 24, 1949, Serial No. 5,154
Term of patent 14 years
(Cl. D26—13)



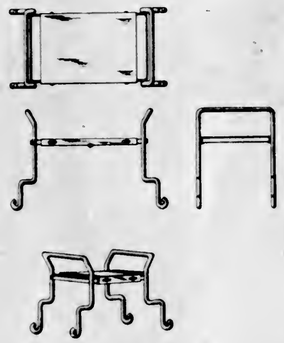
The ornamental design for an electrical control unit, substantially as shown and described.

157,375
COMBINATION EGG COOKER AND SERVER OR THE LIKE
Amos L. Jones, Dayton, Wash., and Lillian M. Wheeler, Philadelphia, Pa.
Application November 29, 1947, Serial No. 142,878
Term of patent 3½ years
(Cl. D44—29)



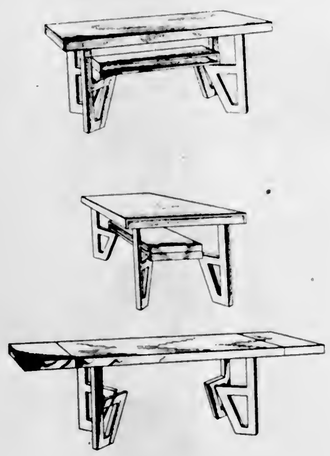
The ornamental design for a combination egg cooker and server or the like, as shown.

157,376
CHILD'S SEAT OR SIMILAR ARTICLE
George Karchenes, Watertown, Mass.
Application September 21, 1948, Serial No. 148,678
Term of patent 7 years
(Cl. D15—8)



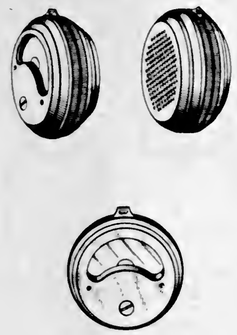
The ornamental design for a child's seat or similar article, substantially as shown.

157,377
EXTENSION TABLE
Max S. Karp, Los Angeles, Calif.
Application February 20, 1948, Serial No. 144,633
Term of patent 3½ years
(Cl. D33—14)



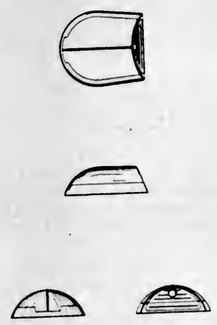
The ornamental design for an extension table, substantially as shown.

157,378
CASE FOR A PHOTOGRAPHIC EXPOSURE METER
Robert John Kingsnorth, Bexley, England, assignor to The General Electric Company Limited, London, England
Application December 2, 1947, Serial No. 142,919
In Great Britain June 6, 1947
Term of patent 14 years
(Cl. D61—1)



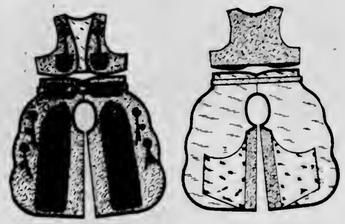
The ornamental design for a case for a photographic exposure meter, as shown.

157,379
GAS TANK CAP
George C. Knight, Detroit, Mich., assignor to George C. Knight Company, Detroit, Mich., a corporation of Michigan
Application July 28, 1948, Serial No. 147,806
Term of patent 3½ years
(Cl. D14—6)



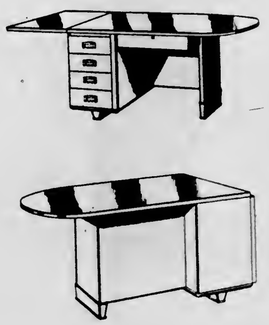
The ornamental design for a gas tank cap, as shown.

157,380
CHILD'S COWBOY SUIT
Hazel Delle Knight, Seattle, Wash.
Application January 19, 1949, Serial No. 336
Term of patent 3½ years
(Cl. D3—17)



The ornamental design for a child's cowboy suit, as shown.

157,381
DESK
Irving Kramer, White Plains, N. Y.
Application December 7, 1948, Serial No. 150,031
Term of patent 7 years
(Cl. D33—7)



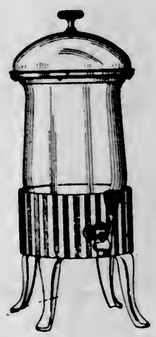
The ornamental design for a desk, as shown.

157,382
BELT BUCKLE
Kenneth Krasnow, Hartsdale, N. Y.
Application November 16, 1949, Serial No. 6,073
Term of patent 3½ years
(Cl. D17—1)



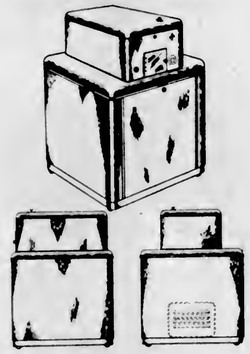
The ornamental design for a belt buckle, as shown.

157,383
COFFEE URN
Walter B. Law and Warren B. Law, Dunellen, N. J.
Application September 25, 1948, Serial No. 148,762
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a coffee-urn, as shown and described.

157,384
BEVERAGE VENDING MACHINE
David E. Lawson, Cleveland, Ohio, assignor to Hupp Corporation, Cleveland, Ohio, a corporation of Virginia
Application June 7, 1948, Serial No. 146,811
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a beverage vending machine, as shown and described.

157,385
GAME BOARD
Fred W. Leonow, Cleveland, Ohio
Application February 16, 1948, Serial No. 144,519
Term of patent 14 years
(Cl. D34—5)



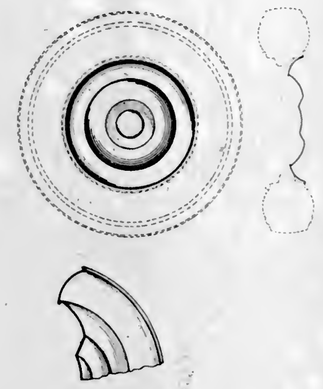
The ornamental design for a game board, as shown and described.

157,386
LINGERIE BUCKLE OR SIMILAR ARTICLE
Cyrus Lombardi, Brooklyn, N. Y.
Application August 2, 1947, Serial No. 140,671
Term of patent 14 years
(Cl. D17—9)



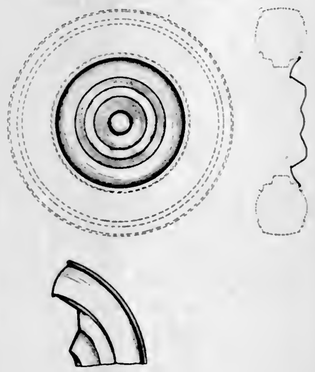
The ornamental design for a lingerie buckle or similar article, substantially as shown.

157,387
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application June 29, 1948, Serial No. 147,280
Term of patent 14 years
(Cl. D14—30)



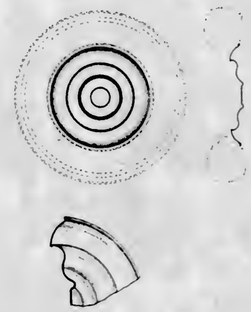
The ornamental design for wheel cover or similar article, substantially as shown and described.

157,388
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application June 29, 1948, Serial No. 147,282
Term of patent 14 years
(Cl. D14—30)



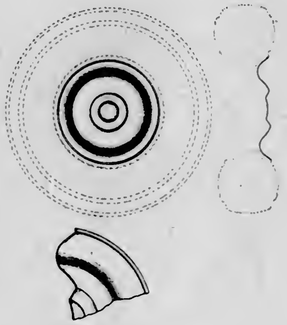
The ornamental design for a wheel cover or similar article, substantially as shown and described.

157,389
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application June 29, 1948, Serial No. 147,283
Term of patent 14 years
(Cl. D14—30)



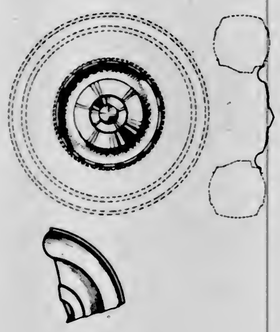
The ornamental design for a wheel cover or similar article, substantially as shown and described.

157,390
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application June 29, 1948, Serial No. 147,284
Term of patent 14 years
(Cl. D14—30)



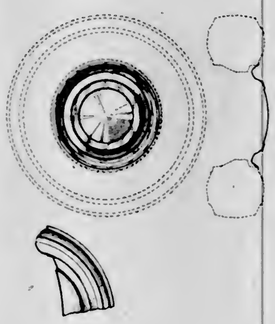
The ornamental design for a wheel cover or similar article, substantially as shown and described.

157,391
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application August 12, 1948, Serial No. 148,086
Term of patent 14 years
(Cl. D14—30)



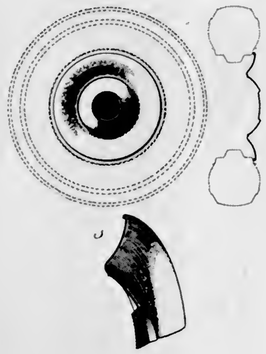
The ornamental design for a wheel cover or similar article, substantially as shown and described.

157,392
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application August 12, 1948, Serial No. 148,087
Term of patent 14 years
(Cl. D14—30)



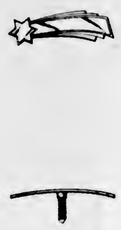
The ornamental design for wheel cover or similar article, substantially as shown and described.

157,393
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application August 13, 1949, Serial No. 4,491
Term of patent 14 years
(Cl. D14—30)



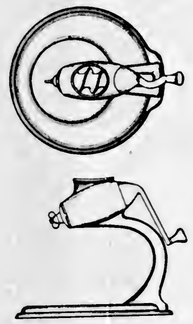
The ornamental design for a wheel cover or similar article, substantially as shown and described.

157,394
LAPEL EMBLEM
George A. MacCann, Pawtucket, R. I., assignor to The Wallace Co., Inc., Providence, R. I., a corporation of Rhode Island
Application January 3, 1949, Serial No. 28
Term of patent 3½ years
(Cl. D29—2)



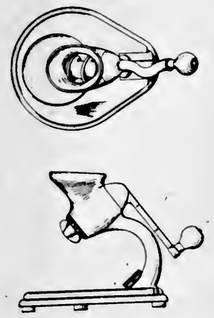
The ornamental design for a lapel emblem, as shown.

157,395
FOOD GRINDER
Daniel L. Marcantonio, Westport, Conn.
Application October 22, 1948, Serial No. 149,239
Term of patent 14 years
(Cl. D89—1)



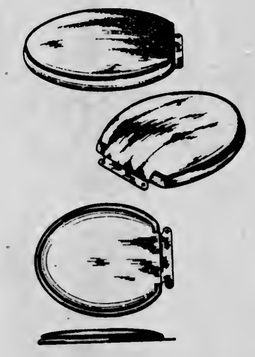
The ornamental design for a food grinder, substantially as shown.

157,396
FOOD GRINDER
Daniel L. Marcantonio, Westport, Conn.
Application April 25, 1949, Serial No. 2,229
Term of patent 14 years
(Cl. D89—1)



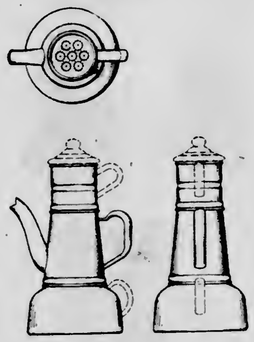
The ornamental design for a food grinder, substantially as shown.

157,397
TOILET SEAT AND COVER THEREFOR
Gifford M. Mast and Wright K. Gannett, Davenport, Iowa, assignors to Mast Development Company, Inc., Davenport, Iowa, a corporation of Iowa
Application December 14, 1948, Serial No. 150,152
Term of patent 7 years
(Cl. D4—5)



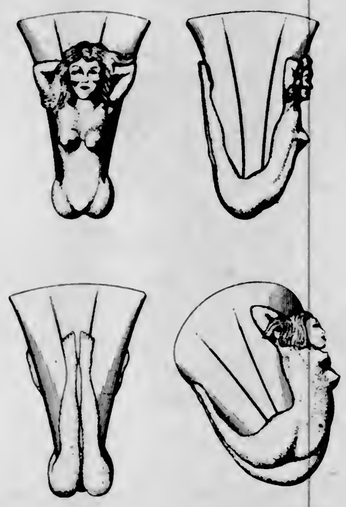
The ornamental design for a toilet seat and cover therefor, substantially as shown.

157,398
COFFEE-MAKING DEVICE
Joseph S. Mather, Jr., Toledo, Ohio
Application October 23, 1947, Serial No. 142,102
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a coffee making device, substantially as shown and described.

157,399
DRINKING GLASS
Franklin R. Mathews and Harold L. Blanton, Washington, D. C.
Application June 25, 1947, Serial No. 139,900
Term of patent 3½ years
(Cl. D36—8)



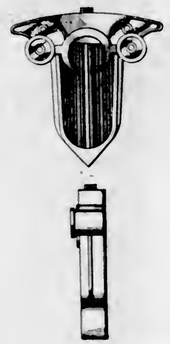
The ornamental design for a drinking glass, as shown.

157,400
TOY ANIMAL FIGURE OR THE LIKE
Rose Mirman, Paris, France
Application April 14, 1948, Serial No. 145,725
In France January 12, 1948
Term of patent 7 years
(Cl. D34—2)



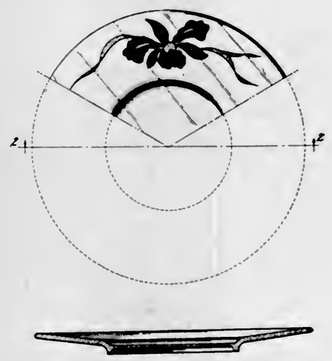
The ornamental design for a toy animal figure or the like, as shown and described.

157,401
RADIATOR SHELL
Lucious Mitchell, Auburn, Ala.
Application December 3, 1948, Serial No. 149,966
Term of patent 3½ years
(Cl. D14—18)



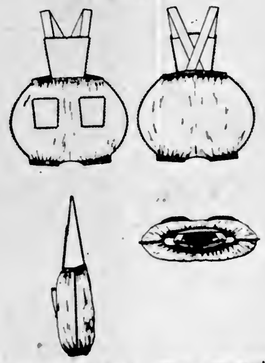
The ornamental design for a radiator shell, as shown.

157,402
PLATE OR SIMILAR ARTICLE
Earl W. Newton, Chicago, Ill.
Application April 5, 1948, Serial No. 145,523
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate or similar article, substantially as shown and described.

157,403
SUN SUIT
Nathalie Nicoli, San Francisco, Calif.
Application May 16, 1949, Serial No. 2,696
Term of patent 14 years
(Cl. D3—17)



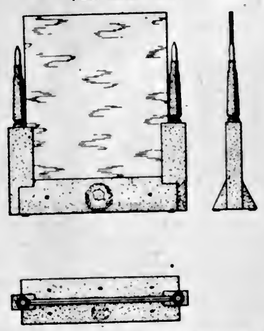
The ornamental design for a sun suit, as shown.

157,404
MARKING GAUGE
Michael E. Nowak, Cleveland, Ohio
Application April 3, 1948, Serial No. 145,510
Term of patent 14 years
(Cl. D52—1)



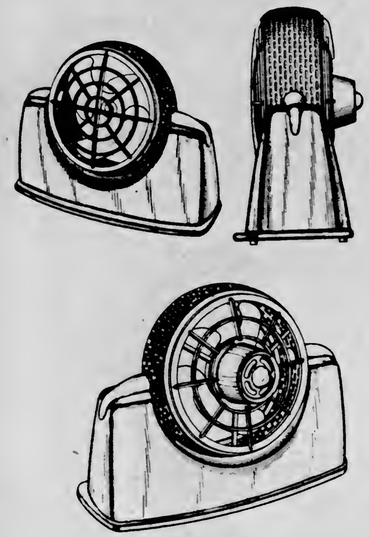
The ornamental design for a marking gauge, substantially as shown.

157,405
PICTURE FRAME
William H. Ott, Cincinnati, Ohio
Application January 22, 1949, Serial No. 396
Term of patent 3½ years
(Cl. D29—20)



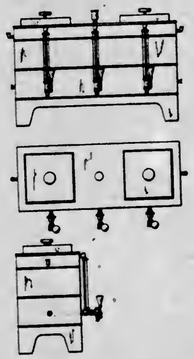
The ornamental design for a picture frame, substantially as shown.

157,406
AIR CIRCULATOR
Joseph Palma, Jr., Chicago, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application November 23, 1948, Serial No. 149,785
Term of patent 14 years
(Cl. D26—7)



The ornamental design for an air circulator, as shown.

157,407
COFFEE-MAKING APPARATUS
Peter Pappas, New Haven, Conn.
Application June 17, 1948, Serial No. 147,029
Term of patent 14 years
(Cl. D44—26)



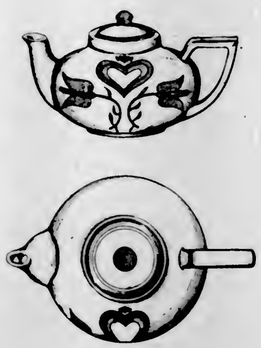
The ornamental design for a coffee-making apparatus, substantially as shown.

157,408
TEAPOT
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,678
Term of patent 3½ years
(Cl. D44—25)



The ornamental design for a teapot, as shown.

157,409
TEAPOT
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,679
Term of patent 3½ years
(Cl. D44—25)



The ornamental design for a teapot, as shown.

157,410
SUGAR BOWL
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,680
Term of patent 3½ years
(Cl. D44—15)



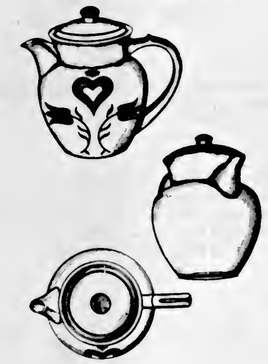
The ornamental design for a sugar bowl, as shown.

157,411
BEATER JUG
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,682
Term of patent 3½ years
(Cl. D44—21)



The ornamental design for a beater jug, as shown.

157,412
COVERED JUG
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,684
Term of patent 3½ years
(Cl. D44—21)



The ornamental design for a covered jug, as shown.

157,413
BALL JUG
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,685
Term of patent 3½ years
(Cl. D44—21)



The ornamental design for a ball jug, as shown.

157,414
JAR
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,686
Term of patent 3½ years
(Cl. D58—25)



The ornamental design for a jar, as shown.

157,415
CREAMER
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 143,687
Term of patent 3½ years
(Cl. D44—21)



The ornamental design for a creamer, as shown.

157,416
KICK STAND CLAMP FOR BICYCLES
Ruben L. Pawsat, Maysville, Ky.
Application May 6, 1949, Serial No. 2,476
Term of patent 14 years
(Cl. D90—18)



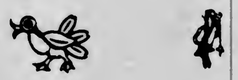
The ornamental design for a kick stand clamp for bicycles, as shown.

157,417
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,477
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,418
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York N. Y.
Application December 7, 1949, Serial No. 6,479
Term of patent 7 years
(Cl. D45—19)



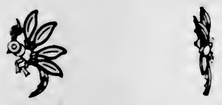
The ornamental design for a brooch or similar article, substantially as shown.

157,419
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York N. Y.
Application December 7, 1949, Serial No. 6,480
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,420
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,481
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,421
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,482
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,422
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,485
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,423
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,486
Term of patent 7 years
(Cl. D45—19)



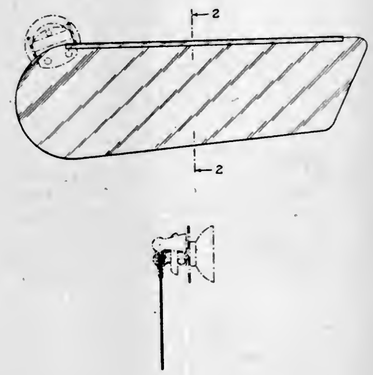
The ornamental design for a brooch or similar article, substantially as shown.

157,424
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 9, 1949, Serial No. 6,536
Term of patent 7 years
(Cl. D45—19)



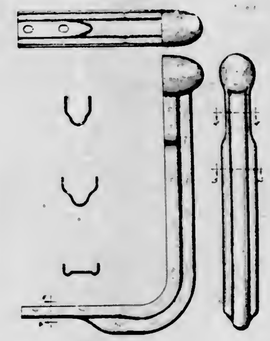
The ornamental design for a brooch or similar article, substantially as shown.

157,425
GLARE FILTER FOR MOTOR VEHICLES
Edward F. Piwczynski and Roman Galinski, New Britain, Conn.
Application May 22, 1948, Serial No. 146,518
Term of patent 7 years
(Cl. D14—6)



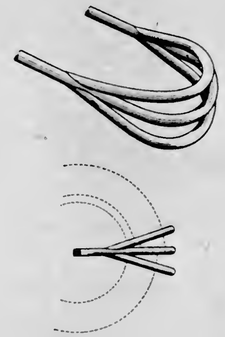
The ornamental design for a glare filter for motor vehicles, substantially as shown and described.

157,426
AUTOMOBILE GRILLE GUARD
Harold Poncher and Jerry E. Poncher, Chicago, Ill., assignors to Erie Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application January 3, 1949, Serial No. 2
Term of patent 7 years
(Cl. D14—6)



The ornamental design for an automobile grille guard, substantially as shown.

157,427
MOTORCYCLE BUMPER
Claude Powers, Dayton, Ohio
Application May 14, 1947, Serial No. 139,030
Term of patent 3½ years
(Cl. D90—1)



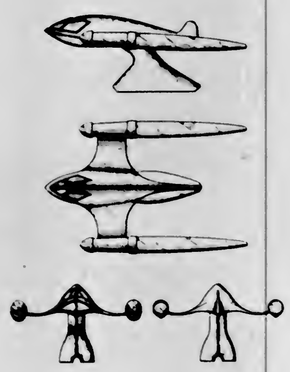
The ornamental design for a motorcycle bumper, substantially as shown and described.

157,428
BEVERAGE BREWER
Harper Richards, Chicago, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application December 2, 1948, Serial No. 149,928
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a beverage brewer, as shown.

157,429
AUTOMOBILE HOOD ORNAMENT
Harry A. Richman, Chicago, Ill.
Application March 15, 1949, Serial No. 1,410
Term of patent 7 years
(Cl. D14—18)



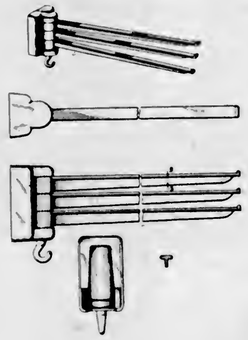
The ornamental design for an automobile hood ornament, substantially as shown.

157,430
SHRIMP CLEANER
Cyril M. Riha, Atlanta, Ga., assignor to Design Development Corporation, Atlanta, Ga., a corporation of Georgia
Application March 17, 1948, Serial No. 145,187
Term of patent 14 years
(Cl. D22—3)



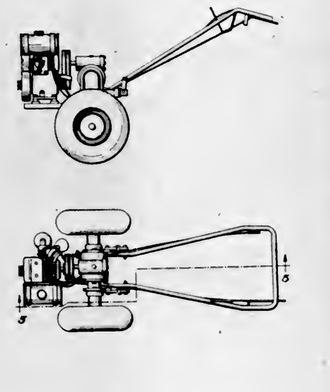
The ornamental design for a shrimp cleaner, as shown and described.

157,431
TOWEL RACK
Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products Inc., Columbus, Ohio, a corporation of Ohio
Application November 15, 1948, Serial No. 149,635
Term of patent 7 years
(Cl. D33—16)



The ornamental design for a towel rack, substantially as shown.

157,432
GARDEN TRACTOR
Herbert C. Roths, Alma, Mich., assignor to Roths Industries, Inc., Alma, Mich.
Application December 19, 1946, Serial No. 135,606
Term of patent 14 years
(Cl. D35—1)



The ornamental design for a garden tractor, as shown.

157,433
SWEATER OR THE LIKE
Henry Rubin, University Heights, Ohio, assignor to Ohio Knitting Mills, Cleveland, Ohio, a corporation of Ohio
Application September 7, 1949, Serial No. 4,896
Term of patent 7 years
(Cl. D3—4)



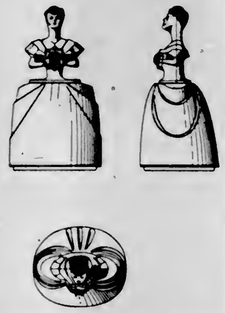
The ornamental design for a sweater or the like, substantially as shown.

157,434
SWEATER OR THE LIKE
Henry Rubin, University Heights, Ohio, assignor to Ohio Knitting Mills, Cleveland, Ohio, a corporation of Ohio
Application September 7, 1949, Serial No. 4,897
Term of patent 7 years
(Cl. D3—4)



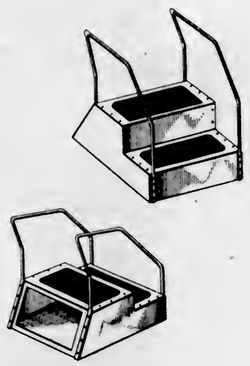
The ornamental design for a sweater or the like, substantially as shown.

157,435
CANDY CONTAINER OR THE LIKE
J. W. Rucker, Fort Worth, Tex., assignor to Loma Plastics, Inc., Fort Worth, Tex., a corporation of Texas
Application November 1, 1948, Serial No. 149,429
Term of patent 14 years
(Cl. D58—11)



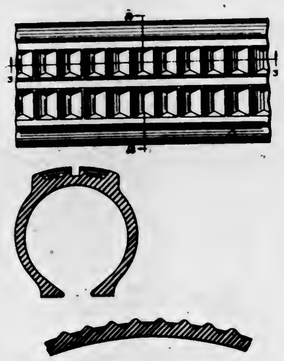
The ornamental design for a candy container or the like, substantially as shown.

157,436
PORTABLE STEP DEVICE
Howard E. Rogers, Long Beach, Calif.
Application September 2, 1948, Serial No. 148,444
Term of patent 3½ years
(Cl. D15—8)



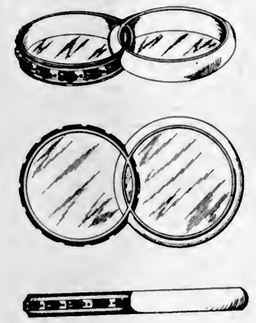
The ornamental design for a portable step device, as shown.

157,437
TIRE
Enzo A. Salcy, Arlington, Mass.
Application June 26, 1948, Serial No. 147,214
Term of patent 7 years
(Cl. D90—20)



The ornamental design for a tire, as shown.

157,438
ASH TRAY OR SIMILAR ARTICLE
Edward San Giovanni, Ridgefield, Conn.
Application February 1, 1949, Serial No. 610
Term of patent 3½ years
(Cl. D85—2)



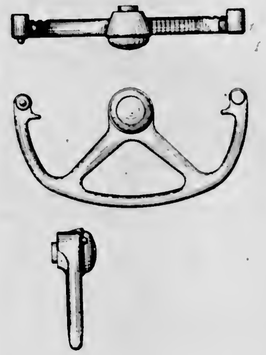
The ornamental design for an ash tray or similar article, substantially as shown.

157,439
COMBINED TABLE AND LAMP
Frank M. Scarale, Leominster, Mass.
Application July 27, 1948, Serial No. 147,798
Term of patent 3½ years
(Cl. D33—14)



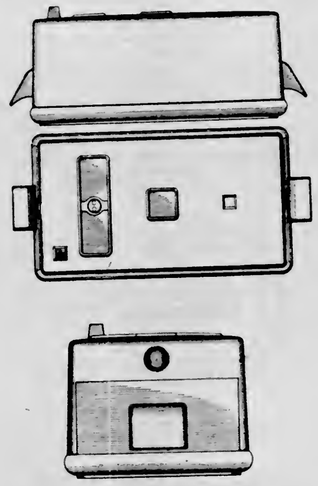
The ornamental design for a combined table and lamp, as shown and described.

157,440
AIRPLANE CONTROL WHEEL
Cornelius M. Schindler, Hagerstown, Md., assignor to Fairchild Engine & Airplane Corporation, a corporation of Maryland
Application October 5, 1948, Serial No. 148,972
Term of patent 14 years
(Cl. D14—30)



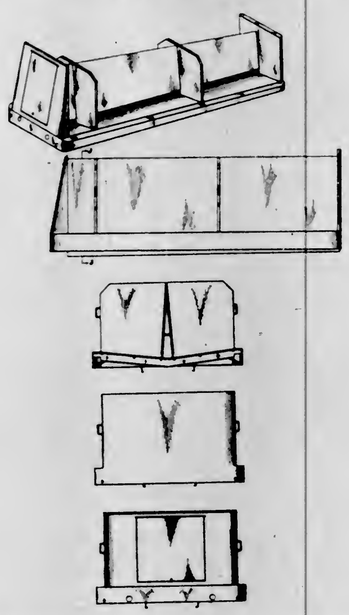
The ornamental design for an airplane control wheel, substantially as shown.

157,441
SMOKER'S DESK SET
Frank J. Schroeder, Rochester, N. Y.
Application April 14, 1949, Serial No. 1,980
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a smoker's desk set, substantially as shown and described.

157,442
TRUCK BODY
Bernard Schwartzman, Chevy Chase, Md., and Worth C. Gatewood, Alexandria, Va.
Application January 9, 1948, Serial No. 143,624
Term of patent 14 years
(Cl. D14—3)

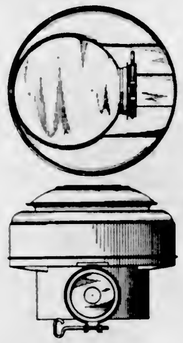


The ornamental design for a truck body, as shown.

157,443
COMBINATION AIR CLEANER AND INTAKE SILENCER UNIT
Joseph B. Sebok and Frank Sebok, Detroit, Mich., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 1, 1947, Serial No. 142,906
Term of patent 14 years
(Cl. D14—6)



157,443—Continued



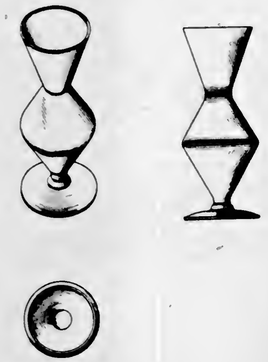
The ornamental design for a combination air cleaner and intake silencer unit, substantially as shown and described.

157,444
BOW TIE
Robert D. Sherwood, Whitefish Bay, Wis.
Application April 28, 1948, Serial No. 146,003
Term of patent 3½ years
(Cl. D3—16)



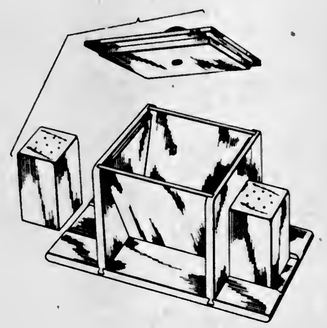
The ornamental design for a bow tie, as shown.

157,445
DRINKING GLASS
Alexander Sloan, Cumberland, Md.
Application February 1, 1949, Serial No. 616
Term of patent 14 years
(Cl. D36—8)



The ornamental design for a drinking glass, substantially as shown.

157,446
TABLE SERVICE UNIT
Sidney H. Smith and James B. Selman, Oklahoma City, Okla.
Application November 28, 1947, Serial No. 142,846
Term of patent 3½ years
(Cl. D44—24)



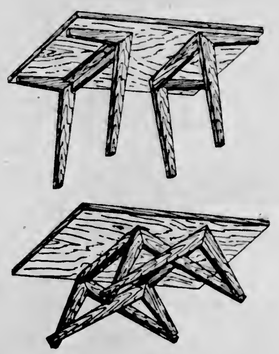
The ornamental design for a table service unit, as shown.

157,447
CHAIR
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 9, 1947, Serial No. 143,075
Term of patent 14 years
(Cl. D15—1)



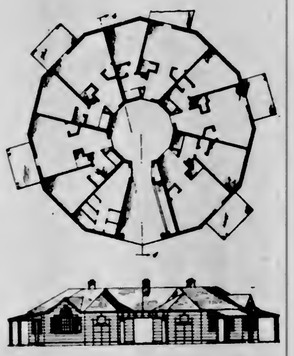
The ornamental design for a chair, as shown.

157,448
TABLE
Albert E. Sternkopf, Wauwatosa, Wis.
Application November 16, 1948, Serial No. 149,666
Term of patent 14 years
(Cl. D33—14)



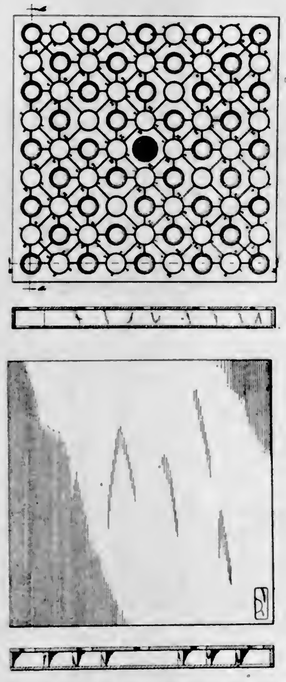
The ornamental design for a table, as shown.

157,449
BUILDING STRUCTURE
George D. Tesch, Chicago, Ill.
Application May 9, 1947, Serial No. 138,959
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a building structure, substantially as shown.

157,450
GAME BOARD
Eddie Parker Truesdale, Orangeburg, S. C.
Application January 19, 1948, Serial No. 143,859
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

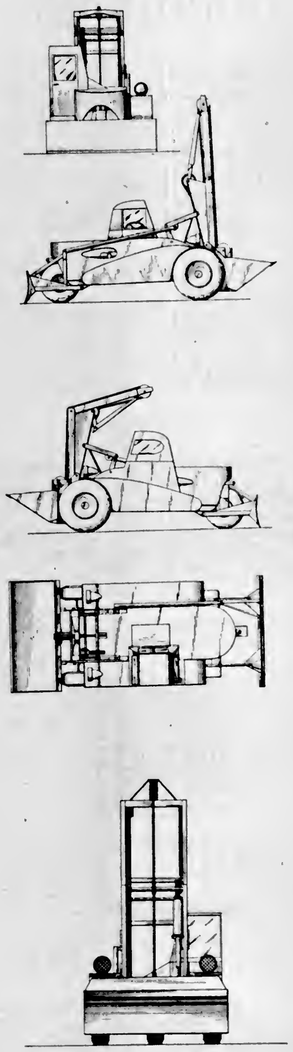
157,451
BOTTLE
Josephine von Miklos, New York, N. Y., assignor to Dermetics, Inc., New York, N. Y., a corporation of Washington
Application February 24, 1949, Serial No. 1,044
Term of patent 14 years
(Cl. D58—6)





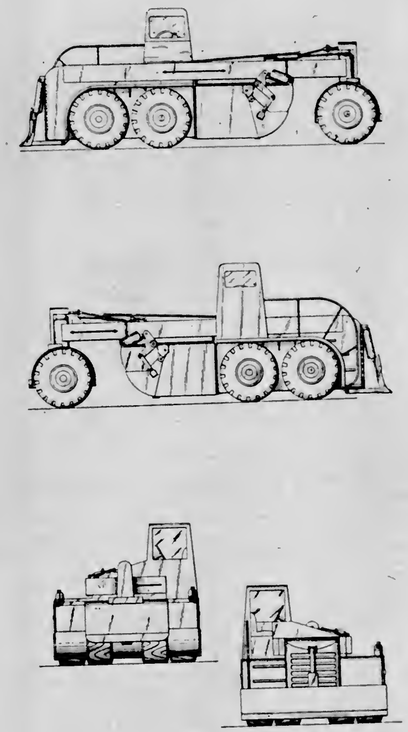
The ornamental design for a bottle, as shown.

157,452
EARTH MOVING VEHICLE
Eddie B. Wagner, Portland, Oreg.
Application July 14, 1948, Serial No. 147,570
Term of patent 14 years
(Cl. D14—3)



The ornamental design for an earth moving vehicle, substantially as shown.

157,453
SCRAPER
Harold A. Wagner, Portland, Oreg.
Application July 14, 1948, Serial No. 147,569
Term of patent 14 years
(Cl. D14—3)



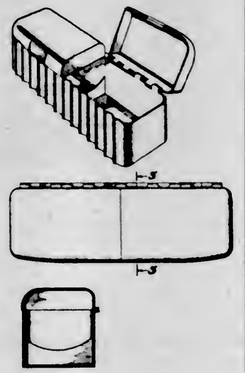
The ornamental design for a scraper, substantially as shown.

157,454
FINGER RING
Lawrance A. Wheeler, Arlington, Va.
Application June 7, 1949, Serial No. 3,101
Term of patent 7 years
(Cl. D45—10)

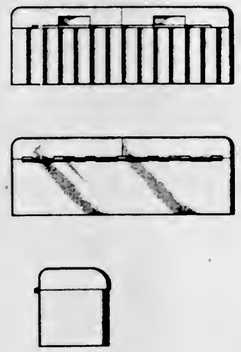


The ornamental design for a finger ring, as shown.

157,455
CARD INDEX BOX
Leonard A. Wheeler, Los Angeles, Calif., assignor to Alfred M. Lewis, Incorporated, Riverside, Calif., a corporation of California
Application June 3, 1949, Serial No. 3,033
Term of patent 7 years
(Cl. D74—9)



157,455—Continued



The ornamental design for a card index box, as shown.

157,456
UNDERCARPET PADDING
Bernard F. Wills, Brooklyn, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 21, 1948, Serial No. 148,230
Term of patent 14 years
(Cl. D92—4)



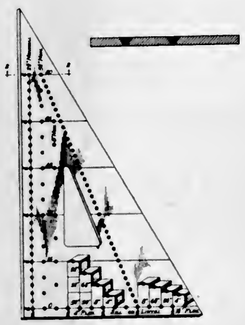
The ornamental design for undercarpet padding, as shown.

157,457
TOY FIGURE
Bern Wolf, Los Angeles, Calif.
Application December 17, 1948, Serial No. 150,223
Term of patent 3½ years
(Cl. D34—4)



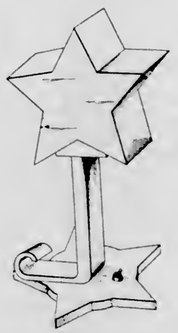
The ornamental design for a toy figure, substantially as shown.

157,458
MODULAR TRIANGLE
Harold F. Zagray, Canton, Ohio, assignor to The Stark Brick Company, Canton, Ohio, a corporation of Ohio
Application February 28, 1948, Serial No. 144,819
Term of patent 14 years
(Cl. D52—1)



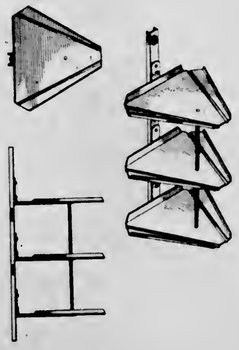
The ornamental design for a modular triangle, substantially as shown and described.

157,459
LAMP
Henry L. Zelchenko, Shrub Oak, N. Y.
Application November 19, 1948, Serial No. 149,719
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp, as shown and described.

157,460
DISPLAY STAND
Walter S. Ziolkowski, Flushing, and Thomas Poprocki, Jamaica Estates, N. Y.
Application June 25, 1948, Serial No. 147,209
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a display stand, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Adams & Westlake Company, The, Chicago, Ill. Curtain hardware brackets; window curtain hardware fixtures; etc. Serial No. 525,515, Feb. 21. Class 13.

Aker Company, The: *See*—
Aker, Leonard.

Aker, Leonard, doing business as The Aker Company, Palo Alto, Calif. Sprinkler heads. Serial No. 567,619, Feb. 21. Class 13.

Allied Artists Productions, Inc., Hollywood, Calif. Motion picture films. Serial No. 539,113, Feb. 21. Class 26.

American Gas Machine Company, Albert Lea, Minn. Oil burning space heaters and oil burning water heaters. Serial No. 563,770, Feb. 21. Class 34.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard rubber caster wheels. Serial No. 572,935, Feb. 21. Class 13.

American Hospital Association, Chicago, Ill. Distribution of hospital care on a pre-payment financing basis. Serial No. 531,753, Feb. 21. Class 102.

American Hospital Association, Chicago, Ill. Distribution of hospital care on a pre-payment financing basis. Serial No. 535,447, Feb. 21. Class 102.

American Hospital Association, Chicago, Ill. Educational and informational services. Serial No. 536,030, Feb. 21. Class 107.

American Hospital Association, Chicago, Ill. Distribution of hospital care on a pre-payment financing basis. Serial No. 536,214, Feb. 21. Class 102.

American Hospital Association, Chicago, Ill. Distribution of hospital care on a pre-payment financing basis. Serial No. 549,601, Feb. 21. Class 102.

American Jewelry Distributors, Inc., New York, N. Y. Men's watches and watch movements. Serial No. 568,478, Feb. 21. Class 27.

(American) Lumbermens Mutual Casualty Company of Illinois: *See*—
Lumbermens Mutual Casualty Company.

American Pipe and Construction Co., Los Angeles, Calif. Cementitious acid proofing material. Serial No. 537,649, Feb. 21. Class 16.

American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Ferrous metal pipe and ferrous metal pipe fittings, ferrous metal conduits, etc. Serial No. 527,872, Feb. 21. Class 13.

Ansonia De Luxe Shops, Inc., New York, N. Y. Shoes and sandals for women, misses, and children. Serial No. 566,912, Feb. 21. Class 39.

Apparel Design Co., Chicago, Ill. Infants' and children's garments. Serial No. 571,313, Feb. 21. Class 39.

Arid-Crete Corporation, Cincinnati, Ohio. Wet, water-proofing paint. Serial No. 556,068, Feb. 21. Class 16.

Armco Steel Corporation: *See*—
American Rolling Mill Company, The.

Armstrong Daily Sports, Inc.: *See*—
National Racing Program, Inc.

Aro-Sac, Inc., Providence, R. I. Jewelry. Serial No. 567,672, Feb. 21. Class 28.

Arrow Products Corporation, Baltimore, Md. Liquid and chemical paint and varnish remover. Serial No. 537,399, Feb. 21. Class 16.

Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Vodka. Serial No. 574,809, Feb. 21. Class 49.

B. V. D. Corporation, The, New York, N. Y. Outer shirts and hosiery. Serial No. 567,899, Feb. 21. Class 39.

Backall Bros., Philadelphia, Pa. Boys' suits, topcoats, pea coats, etc. Serial No. 564,316, Feb. 21. Class 39.

Bacon & Edwards, Shreveport, La. Fishing poles. Serial No. 556,617, Feb. 21. Class 22.

Bama Company, The, Birmingham, Ala. Fruit jellies, fruit preserves, jams, etc. Serial No. 546,178, Feb. 21. Class 46.

Barbera, Edmund C., doing business as Barbera Plastic Originals, New York, N. Y. Inflatable mannikin figures. Serial No. 561,874, Feb. 21. Class 50.

Barbera Plastic Originals: *See*—
Barbera, Edmund C.

Barron-Gray Packing Company, San Jose, Calif., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Canned fruit and canned fruit cocktail. Serial No. 540,023, Feb. 21. Class 46.

Bata Shoe Company, Inc., New York, N. Y., and Belkamp, Md. Shoes, slippers, sneakers, etc. Serial Nos. 535,118–19, Feb. 21. Class 39.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. Serial No. 552,211, Feb. 21. Class 39.

Behr-Manning Corporation, Troy, N. Y. Pile fabrics. Serial No. 571,630, Feb. 21. Class 42.

Beigel, Jerome, New York, N. Y. Brassières, panties, and slips. Serial No. 571,317, Feb. 21. Class 39.

Belknap Mills Corporation, Laconia, N. H. Hosiery. Serial No. 568,345, Feb. 21. Class 39.

Bennett-Ireland Inc., Norwich, N. Y. Outdoor cooking grates. Serial No. 553,443, Feb. 21. Class 34.

Berman, Bertha, doing business as Rock-a-Bye Sheet Co., Hewlett, N. Y. Bed sheets, pillow cases, and mattress covers. Serial No. 551,160, Feb. 21. Class 42.

Besler Corporation, Emeryville, Calif. Wheel mounted machine. Serial No. 548,568, Feb. 21. Class 23.

Betzold Fur Cleaners, Philadelphia, Pa. Treatment, namely moth proofing and cleaning of furs and fur garments. Serial No. 532,411, Feb. 21. Class 103.

Blanke, R. Barbara, Creations, New York, N. Y. Safety attachments and extension members for cribs, high chairs, youth beds, and the like. Serial No. 550,114, Feb. 21. Class 32.

Bluhill Foods, Inc., Denver, Colo. Salad dressings. Serial No. 530,369, Feb. 21. Class 46.

Borden Company, The, New York, N. Y. Feed supplements for poultry, livestock, and other animals. Serial No. 529,869, Feb. 21. Class 46.

Borden Company, The, New York, N. Y. Powdered infant food. Serial No. 571,194, Feb. 21. Class 46.

Borg-Warner Corporation, Chicago, Ill. Oil burners, space heaters, and cooking stoves, and parts thereof. Serial No. 578,668, Feb. 21. Class 34.

Boyar, Burton A., doing business under the name and style of Burboy, New York, N. Y. Fountain type dish mops. Serial No. 550,117, Feb. 21. Class 29.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 566,376, Feb. 21. Class 22.

Breese Burners, Inc., Santa Fe, N. Mex. Oil burners and controls and spare and repair parts thereof. Serial No. 541,502, Feb. 21. Class 34.

Bristol Laboratories Inc., Syracuse, N. Y. Medicinal dust inhaler. Serial No. 573,026, Feb. 21. Class 44.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cloth. Serial No. 566,498, Feb. 21. Class 42.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial No. 573,617, Feb. 21. Class 28.

Burboy: *See*—
Boyar, Burton A.

Burgess-Norton Mfg. Co., Geneva, Ill. Piston pins. Serial No. 572,013, Feb. 21. Class 23.

Byrne, J. P., & Sons Co., Omaha, Nebr. Watches. Serial No. 573,644, Feb. 21. Class 27.

C. & M. Leather Goods Co.: *See*—
Cohn, Samuel H.

Cadillac Stamp Company, Inc., Detroit, Mich. Steel stamps, embossing and marking dies, power and hand marking machines. Serial No. 572,237, Feb. 21. Class 23.

Cadoricin Societe Anonyme, Seine, France. Shampoos, hair tonics, toilet water, etc. Serial No. 510,232, Feb. 21. Class 51.

Calevas Laboratories, Washington, D. C. Kitchen sauce. Serial No. 571,677, Feb. 21. Class 46.

Cameron Iron Works, Inc., Houston, Tex. Casing cutters, blowout preventers, well packers, etc. Serial No. 529,354, Feb. 21. Class 23.

Camp, Harry Millinery Company, San Francisco, Calif., and New York, N. Y. Ladies' hats. Serial No. 553,267, Feb. 21. Class 39.

Campbell-Hausfeld Company, The, Harrison, Ohio. Air compressors and parts thereof. Serial No. 563,447, Feb. 21. Class 23.

Cannon Shoe Company, Baltimore, Md. Shoes. Serial No. 538,603, Feb. 21. Class 39.

Canterbury Silversmiths, Inc., The, Brooklyn, N. Y. Silver plated and sterling silver hollow ware. Serial No. 568,576, Feb. 21. Class 28.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Hot water storage tanks; range boilers, expansion tanks; etc. Serial No. 578,766, Feb. 21. Class 34.

Cellulo Company, The, Sandusky, Ohio. Asbestos filter pads. Serial No. 564,098, Feb. 21. Class 31.

Charmfit of Hollywood, Inc., Los Angeles, Calif. Foundation garments. Serial No. 572,413, Feb. 21. Class 39.

Chiksan Export Company, Brea, Calif. Mud mixing guns and parts for the same, well machinery. Serial No. 541,402, Feb. 21. Class 23.

Citation Wine Co.: *See*—
Wine Growers Guild.

Clayton Manufacturing Company, El Monte, Calif. Engine and chassis type hydraulic dynamometers. Serial No. 587,301, Feb. 21. Class 26.

Clayton Manufacturing Company, El Monte, Calif. Steam generators. Serial No. 587,302, Feb. 21. Class 34.

Clephane, Douglas W., New York, N. Y. Periodical. Serial No. 533,541, Feb. 21. Class 38.

Cohn, Samuel H., doing business as C. & M. Leather Goods Co., New York, N. Y. Toy pistols and holsters. Serial No. 571,845, Feb. 21. Class 22.

Commander-Larabee Milling Company, doing business as Stokes Milling Company, Minneapolis, Minn. Wheat flour. Serial No. 568,042, Feb. 21. Class 46.

Cone Export and Commission Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 569,506, Feb. 21. Class 42.

Cooper's, Incorporated, Kenosha, Wis. Men's hose. Serial No. 539,028, Feb. 21. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Underwear for men, women and children, hosiery, sport shirts, etc. Serial No. 539,030, Feb. 21. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Men's and boys' undershirts. Serial No. 552,638, Feb. 21. Class 39.

Cornett, Walter V., Los Angeles, Calif. Breaking or demolition machines. Serial No. 562,835, Feb. 21. Class 23.

Coro, Inc., New York, N. Y. Jewelry. Serial No. 567,186, Feb. 21. Class 28.

Country Christian, The, Peoria, Ill. Magazine publication. Serial No. 571,320, Feb. 21. Class 38.

Crawford, Wesley, & Son, Tacoma, Wash. Fresh tomatoes. Serial No. 574,002, Feb. 21. Class 46.

Dalton Hat Co. Inc., Yonkers, N. Y. Men's hats. Serial No. 571,118, Feb. 21. Class 39.

Dearborn Motors Corporation, Detroit, Mich. Plow shares, mold boards and cultivator sweeps. Serial No. 538,378, Feb. 21. Class 23.

Decca Records, Inc., New York, N. Y. Mechanically grooved phonograph records. Serial No. 517,778, Feb. 21. Class 36.

Dinnat's, Bob, Bakery: *See*—
Dinnat, Robert.

Dinnat, Robert, doing business under the trade name and style of Bob Dinnat's Bakery, Alexandria, La. Frozen uncooked cake batters and bread and roll doughs. Serial No. 506,990, Feb. 21. Class 46.

Dominion Textile Company Limited, Montreal, Quebec, Canada. Cotton textile fabrics. Serial No. 569,940, Feb. 21. Class 42.

Donnin, Irving N., doing business as El Encanto, Incorporated, Miami Beach, Fla. Women's dresses, blouses, peasant costumes, etc. Serial No. 581,587, Feb. 21. Class 39.

Dreyfus, Julius, Inc., New York, N. Y. Finger rings. Serial No. 560,000, Feb. 21. Class 28.

Dundee Citrus Growers Assn., Dundee, Fla. Fresh citrus fruits. Serial No. 571,016, Feb. 21. Class 46.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic cameras, photographic films, photographic copying machines, etc. Serial No. 569,613, Feb. 21. Class 26.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic film, photographic plates, photographic paper, etc. Serial No. 569,614, Feb. 21. Class 26.

El Encanto, Incorporated: *See*—
Donnin, Irving N.

Elgin National Watch Company, Elgin, Ill. Watches and watch movements. Serial No. 566,696, Feb. 21. Class 27.

Eskimo Pie Corporation, Bloomfield, N. J. Cocoa base coating for frozen foods. Serial No. 568,908, Feb. 21. Class 46.

Essex Rubber Company, Trenton, N. J. Rubber soles for shoes. Serial Nos. 556,081–3, Feb. 21. Class 39.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Eutectic Welding Alloys Corporation, New York, N. Y. Arc welding machines. Serial No. 566,511, Feb. 21. Class 34.

Eutectic Welding Alloys Corporation, New York, N. Y. Gas welding torches. Serial No. 566,512, Feb. 21. Class 34.

Everstick Anchor Company, Fairfield, Iowa. Earth anchors. Serial No. 565,763, Feb. 21. Class 13.

Exeter Fruit Association, Exeter, Calif. Fresh grapes. Serial No. 569,512, Feb. 21. Class 46.

Fawcett Publications, Inc., Greenwich, Conn. Quarterly cartoon publication. Serial No. 557,740, Feb. 21. Class 38.

Felt Association, The, New York, N. Y. Pressed wool felt. Serial No. 554,372, Feb. 21. Class 50.

Fenton, Catherine C., Waterbury, Conn. Tonic and shampoo, cosmetic astringents, cold cream, etc. Serial No. 568,722, Feb. 21. Class 51.

Ferreira, Hector, assignor to Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico. Frozen shrimp. Serial No. 554,658, Feb. 21. Class 46.

Festival Wine Cellars: *See*—
Wine Growers Guild.

Fields, Bennett R., doing business as Fields Specialty Company, Farmville, N. C. Mechanical duster. Serial No. 542,108, Feb. 21. Class 23.

Fields Specialty Company: *See*—
Fields, Bennett R.

Fisher, A. Edward, & Co., Inc., New York, N. Y. Finger rings. Serial No. 567,910, Feb. 21. Class 28.

Fisher Dairy and Cheese Company, Wapakoneta, Ohio. Cheese. Serial No. 540,209, Feb. 21. Class 46.

Flocker, John, and Company, Pittsburgh, Pa. Hemp, jute and cotton fabrics. Serial No. 527,810, Feb. 21. Class 42.

Foy Paint Company, Inc., The, doing business as The R. F. Johnston Paint Co., Cincinnati, Ohio. Paint fillers. Serial No. 562,150, Feb. 21. Class 16.

Foy Paint Company, Inc., The, Cincinnati, Ohio. Mixed paints, paint colors, varnish type wood fillers, etc. Serial No. 562,256, Feb. 21. Class 16.

Frankenhoff Corporation, New York, N. Y. Diatomaceous earth. Serial No. 571,207, Feb. 21. Class 1.

Fuller Brush Company, The, Hartford, Conn. Brooms, manually manipulated brushes, danbers, etc. Serial No. 548,947, Feb. 21. Class 29.

Gabai, Leon, & Sons, Philadelphia, Pa. Bed jackets, pajamas, slips, nightgowns, etc. Serial No. 560,996, Feb. 21. Class 39.

Gamble-Skogmo, Inc., Minneapolis, Minn. Textile and wool carpets and rugs. Serial No. 562,844, Feb. 21. Class 42.

General Shoe Corporation, Nashville, Tenn. Shoes. Serial No. 523,581, Feb. 21. Class 39.

Gillette, John, Inc., New York, N. Y. Women's and girls' shoes. Serial No. 566,034, Feb. 21. Class 39.

Girard-Perregaux & Co., Inc.: *See*—
Graef, Jean R., Inc.

Glade Candy Co., Salt Lake City, Utah. Candy. Serial No. 573,423, Feb. 21. Class 46.

Glaser, H., Son, Inc., Boston, Mass. Men's hosiery. Serial No. 553,102, Feb. 21. Class 39.

Glen-Joan Fashions, Inc., New York, N. Y. Misses' and women's dresses. Serial No. 570,958, Feb. 21. Class 39.

Golding Bros. Company, Inc., New York, N. Y. Coated and uncoated upholstery and drapery fabrics. Serial No. 567,862, Feb. 21. Class 42.

Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. Serial No. 571,528, Feb. 21. Class 42.

Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. Serial No. 571,530, Feb. 21. Class 42.

Goldsmith, Stanley H., Inc., Philadelphia, Pa. Finished fabrics. Serial No. 570,849, Feb. 21. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Hose composed of rubber and/or synthetic rubber. Serial No. 578,014, Feb. 21. Class 35.

Graef, Jean R., Inc., assignor to Girard-Perregaux & Co., Inc., New York, N. Y. Watch movements and wrist and pocket watches. Serial No. 567,516, Feb. 21. Class 27.

Granat Bros., Inc., San Francisco, Calif. Finger rings. Serial No. 542,926, Feb. 21. Class 28.

Granat Bros., San Francisco, Calif. Jewelry. Serial No. 566,429, Feb. 21. Class 28.

Gristede Bros., Inc., New York, N. Y. Tea. Serial No. 567,577, Feb. 21. Class 46.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 568,184, Feb. 21. Class 27.

Guyan Eagle Coal Company, Ambersidale, W. Va. Coal. Serial No. 510,948, Feb. 21. Class 1.

Hamre Specialty Co., Chicago, Ill. Fishing rods. Serial No. 549,927, Feb. 21. Class 22.

Hance, J. W., Manufacturing Co., Westerville, Ohio. Motor-driven apparatus. Serial No. 520,162, Feb. 21. Class 23.

Harford Metal Products, Inc., Aberdeen, Md. Poultry battery cages. Serial No. 573,178, Feb. 21. Class 50.

Hawaiian Pineapple Company, Limited: *See*—
Barron-Gray Packing Company.

Heller, R. C., Co. Inc., Baltimore, Md. Mattresses. Serial No. 508,285, Feb. 21. Class 32.

Hickey-Freeman Company, Rochester, N. Y. Men's suits. Serial No. 538,929, Feb. 21. Class 39.

Hollywood Jewelry Manufacturing Co., New York, N. Y. Custom jewelry. Serial No. 559,512, Feb. 21. Class 28.

Huth-James Shoe, Inc., Waupun, Wis. Leather shoes for boys and men. Serial No. 572,432, Feb. 21. Class 39.

Hymen, Charles, Sportswear, Inc., Chicago, Ill. Women's dresses. Serial No. 569,205, Feb. 21. Class 39.

Imperial Chemical Industries, Limited, Slough, England. Knitted, netted, and textile fabrics. Serial No. 568,256, Feb. 21. Class 42.

J. R. S. Specialties Manufacturing Co., Inc., Nyack, N. Y. Ferrules, vent screens, vent caps, etc. Serial No. 561,192, Feb. 21. Class 13.

Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Air valves and nozzles therefor. Serial No. 571,556, Feb. 21. Class 13.

Jensen, Georg, Inc., New York, N. Y. Base metal knives, forks, spoons, etc. Serial No. 504,558, Feb. 21. Class 23.

Jensen, Georg, Inc., New York, N. Y. Base metal knives, forks, spoons, etc. Serial No. 504,841, Feb. 21. Class 23.

Johnson, Andrew H., Shreveport, La. Concrete block as a housemarker. Serial No. 567,585, Feb. 21. Class 50.

Johnston, R. F., Paint Co., The: *See*—
Foy Paint Company, Inc., The.

Jonas & Colver (Novo) Limited, Sheffield, England. Machine tools and parts thereof. Serial No. 569,926, Feb. 21. Class 23.

Jones, Edward G., doing business as Jones & Son Shoe Hospital, Hutchinson, Kans. Sole patches. Serial No. 567,700, Feb. 21. Class 39.

Jones & Son Shoe Hospital: *See*—
Jones, Edward G.

Kilgore, Charles, Company, Inc., Yonkers, N. Y. Dietetic candy substitute. Serial No. 571,331, Feb. 21. Class 46.

King Midas Flour Mills: *See*—
Van Dusen, Harrington, Co.

King Midas Mill Company: *See*—
Van Dusen, Harrington, Co.

Kress, S. H., and Company, New York, N. Y. Hosiery. Serial No. 566,344, Feb. 21. Class 39.

Labour Company, Inc., The, Elkhart, Ind. Centrifugal pumps and parts thereof. Serial No. 535,163, Feb. 21. Class 23.

La Iberia: *See*—
Vazquez, José M.

La Monte, George, & Son, Nutley, N. J., and elsewhere in the United States of America. Safety paper. Serial No. 574,232, Feb. 21. Class 37.

Lamport Company, Inc., The, New York, N. Y. Bed sheets, bedspreads, pillow cases. Serial No. 557,610, Feb. 21. Class 42.

Lancaster Pump and Manufacturing Co. Inc., Lancaster, Pa. Well pumps, automatic water pumping systems, motor driven well pumps, etc. Serial No. 548,658, Feb. 21. Class 23.

Land O'Nod, Brooklyn, N. Y. Children's pajamas, kimonas, night gowns, and infants' slips. Serial No. 554,580, Feb. 21. Class 39.

Lapointe Machine Tool Company, The, Hudson, Mass. Broaching machines and broaches. Serial No. 564,000, Feb. 21. Class 23.

Lascari, Salvatore, Brooklyn, N. Y. Brassières. Serial No. 564,585, Feb. 21. Class 39.

Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Industrial crucibles for melting metals. Serial No. 568,640, Feb. 21. Class 34.

Léron Inc., New York, N. Y. Linens. Serial No. 565,347, Feb. 21. Class 42.

Lindsay Co-Operative Citrus Association, Lindsay, Calif. Fresh citrus fruit. Serial No. 570,620, Feb. 21. Class 46.

Lindsay Co-Operative Citrus Association, Lindsay, Calif. Fresh citrus fruit. Serial No. 570,622, Feb. 21. Class 46.

Lichtman, J., & Sons, Newark, N. J. Leather. Serial No. 566,986, Feb. 21. Class 1.

Lucey, John E., Co., Inc., Bridgewater, Mass. Men's and boys' shoes. Serial No. 568,646, Feb. 21. Class 39.

Lumbermens Mutual Casualty Company, doing business as (American) Lumbermens Mutual Casualty Company of Illinois, Chicago, Ill. Safety lessons for children. Serial No. 543,502, Feb. 21. Class 38.

Majestic Flour Mill, Memphis, Tenn. Wheat flour. Serial No. 567,320, Feb. 21. Class 46.

Markwell Manufacturing Company, Inc., New York, N. Y. Fountain marking brushes. Serial No. 560,278, Feb. 21. Class 29.

Martin Varnish Company, Chicago, Ill. Varnish. Serial No. 529,285, Feb. 21. Class 16.

Mengel Company, The, Louisville, Ky. Beds; vanity benches; book cases; etc. Serial No. 524,073, Feb. 21. Class 32.

Mexico Refractories Company, Mexico, Mo. High temperature cement. Serial No. 541,942, Feb. 21. Class 12.

Midwest Metal Stamping Co., Kellogg, Iowa. Game equipment. Serial No. 555,112, Feb. 21. Class 22.

Misson, William H., doing business as Zip Products Co., Los Altos, Calif. Paper punches. Serial No. 572,674, Feb. 21. Class 23.

Modern Venetian Blinds, Inc., New York, N. Y. Venetian blinds and slats for Venetian blinds. Serial No. 568,971, Feb. 21. Class 32.

Morey Mercantile Company, The, Denver, Colo. Cereal breakfast food, pop corn in its natural state, citron peel halves, etc. Serial No. 564,041, Feb. 21. Class 46.

Mouli Manufacturing Corporation: *See*—
Varkala, Joseph C.

National Racing Program, Inc., New York, N. Y., assignor to Armstrong Daily Sports, Inc., Wilmington, Del. Section in a daily publication. Serial No. 503,923, Feb. 21. Class 38.

New England Confectionery Company, Cambridge, Mass. Candy lozenges. Serial No. 540,443, Feb. 21. Class 46.

New England Cranberry Sales Company, Middleboro, Mass. Fresh cranberries. Serial Nos. 572,260–4, Feb. 21. Class 46.

New Holland Machine Company, New Holland, Pa. Balers. Serial No. 541,875, Feb. 21. Class 23.

New York Recording Laboratories, The: *See*—
Steiner, John.

Nixon & Company (Nebraska), Omaha, Nebr. Feeds for live stock. Serial No. 556,118, Feb. 21. Class 46.

Nu-Maid Hosiery Mills, Inc., Darby, Pa. Hosiery. Serial No. 561,482, Feb. 21. Class 39.

Oil Well Supply Company, Dallas, Tex. Steam boilers. Serial No. 567,876, Feb. 21. Class 34.

Old Colony Envelope Company, Westfield, Mass. Correspondence and mailing envelopes and writing paper. Serial No. 568,397, Feb. 21. Class 37.

Old Town Shoe Company, Old Town, Maine. Shoes. Serial No. 571,819, Feb. 21. Class 39.

Osgood Company, The, Marion, Ohio. Power shovels, dragline shovels, clamshell shovels, etc. Serial No. 516,033, Feb. 21. Class 23.

Pate Oil Company, Milwaukee, Wis. Lubricating solvents. Serial No. 535,607, Feb. 21. Class 15.

Pennsylvania Christmas Tree Growers Association, Harrisburg, Pa. Christmas trees, etc. Serial No. 566,715, Feb. 21. Class 1.

Perfect Garment Co. Inc., Baltimore, Md. All types of women's and misses' outerwear. Serial No. 564,522, Feb. 21. Class 39.

Pesquera e Industrializadora de Guaymas, S. A.: *See*—
Ferreira, Hector.

Peter Pan Foundations, Inc., New York, N. Y. Brassière. Serial No. 572,447, Feb. 21. Class 39.

Petersen Oven Company, The, Chicago, Ill. Baking ovens. Serial No. 553,507, Feb. 21. Class 34.

Petersen Oven Company, The, Chicago, Ill. Industrial furnaces. Serial No. 567,368, Feb. 21. Class 34.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. Serial No. 567,427, Feb. 21. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hat bodies. Serial No. 570,986, Feb. 21. Class 39.

Posteroid Corporation, New York, N. Y. Plastic and/or cardboard display cards and signs. Serial No. 573,677, Feb. 21. Class 50.

Pressing Supply Company, Philadelphia, Pa. Ironing board pads and ironing board pad covers. Serial Nos. 571,873–4, Feb. 21. Class 24.

Putnam Mills Corporation, Putnam, Conn. Textile fabrics. Serial No. 557,954, Feb. 21. Class 42.

Quaker Oats Company, The, Chicago, Ill. Rolled wheat. Serial No. 571,357, Feb. 21. Class 46.

R-S Products Corporation, Philadelphia, Pa. Bottle and jar opener. Serial No. 548,997, Feb. 21. Class 23.

Red Lion Cabinet Company, Red Lion, Pa. Router bits, shaper cutters, circular saws, etc. Serial No. 572,768, Feb. 21. Class 23.

Rock-a-Bye Sheet Co.: *See*—
Berman, Bertha.

Saginaw Manufacturing Company, York, Pa. Men's and boys' dress, negligee, work and polo shirts, and jackets, etc. Serial No. 525,254, Feb. 21. Class 39.

Samsan Company, The, Providence, R. I. Finger rings. Serial No. 546,018, Feb. 21. Class 28.

Schmid Brothers, Inc., Boston, Mass. Crockery, tableware. Serial No. 553,218, Feb. 21. Class 30.

Sea Gull Lighting Products, Inc., Philadelphia, Pa. Electric lighting fixtures. Serial No. 553,026, Feb. 21. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Peat, moss, shade and fruit trees, etc. Serial No. 570,652, Feb. 21. Class 1.

Seifert, G. H., Company, New York, N. Y. Religious jewelry. Serial No. 562,888, Feb 21. Class 28.

Seiberling Rubber Company, Barberton, Ohio. Rubber inner tubes. Serial No. 577,147, Feb. 21. Class 35.

Seng Company, The, Chicago, Ill. Machine staples. Serial No. 545,176, Feb. 21. Class 13.

Serv-Agen Corporation, Philadelphia, Pa. Preparation made of flour, salt, protein derivative, burned sugar, etc. Serial No. 563,955, Feb. 21. Class 46.

Sherman Bows: *See*—
Sherman, Sol.

Sherman, Sol, doing business under the name and style of Sherman Bows, New York, N. Y. Bow ties for men and boys. Serial No. 522,021, Feb. 21. Class 39.

Sigma Nu Fraternity, Indianapolis, Ind. Fraternity pins, finger rings, bracelets, etc. Serial Nos. 526,299–300, Feb. 21. Class 28.

Simmons Company, New York, N. Y. Mattresses and springs for bedsteads. Serial No. 561,512, Feb. 21. Class 32.

Simmons Company, New York, N. Y. Mattresses, studio couches, lounges, and springs for bedsteads. Serial No. 561,518, Feb. 21. Class 32.

Silver Canning Co., The, Colora, Md. Canned vegetables. Serial No. 561,692, Feb. 21. Class 46.

Skylon Corporation, New York, N. Y. Ladies' and misses' slips, petticoats, and nightgowns. Serial Nos. 572,278–9, Feb. 21. Class 39.

Skylon Corporation, New York, N. Y. Ladies' and misses' slips, petticoats and nightgowns. Serial Nos. 572,461–2, Feb. 21. Class 39.

Skylon Corporation, New York, N. Y. Ladies' and misses' slips, petticoats, and nightgowns. Serial No. 572,593, Feb. 21. Class 39.

Skylon Corporation, New York, N. Y. Ladies' and misses' slips, petticoats and nightgowns. Serial No. 572,868, Feb. 21. Class 39.

Smith, Jane B., & Company, Inc., Chicago, Ill. Salad dressing, French dressing, savory French dressing, etc. Serial No. 526,509, Feb. 21. Class 46.

Spearhead Boiler Plug and Specialty Company, The, Cleveland, Ohio. Boiler plugs, globe valves, etc. Serial No. 564,844, Feb. 21. Class 13.

Sperl, Ann, Kansas City, Mo. Dolls. Serial No. 571,583, Feb. 21. Class 22

Sporting Goods Mfg. Company, Inc., Lynn, Mass. Footballs. Serial No. 564,910, Feb. 21. Class 22.

Stanbee Company, New York, N. Y. Linings, in the piece. Serial No. 561,217, Feb. 21. Class 42.

Stanco Incorporated, New York, N. Y., and Wilmington, Del., assignor to Esso Standard Oil Company, Wilmington, Del. Soluble petroleum sulfonates. Serial No. 552,508, Feb. 21. Class 16.

Standard Varnish Works, Staten Island, N. Y. Varnish. Serial No. 561,157, Feb. 21. Class 16.

Star-Lite Battery Co., Inc., New York, and Brooklyn, N. Y. Flashlight batteries. Serial No. 553,921, Feb. 21. Class 21.

Steiner, John, doing business as The New York Recording Laboratories, Chicago, Ill. Grooved phonograph records. Serial No. 568,981, Feb. 21. Class 36.

Sterling Pulp & Paper Company, Eau Claire, Wis. Toilet paper, paper napkins, kitchen towels, facial tissues. Serial No. 574,393, Feb. 21. Class 37.

Stokes Milling Company: *See*—
Commander-Larabee Milling Company.

Strook, S., & Co. Inc., New York, N. Y. Woven cloth. Serial No. 558,962, Feb. 21. Class 42.

Sunset Incorporated, Chicago, Ill. Wine. Serial No. 575,680, Feb. 21. Class 47.
Superior Separator Company, Hopkins, Minn. Tractor mounted loaders and stackers, and soil and stubble mulching machines. Serial No. 563,289, Feb. 21. Class 23.
Taylor Bros. Brace Company Limited, Manchester, England. Braces, belts, and suspenders. Serial No. 570,006, Feb. 21. Class 39.
Trimfoot Company, Farmington, Mo. Shoes. Serial No. 532,177, Feb. 21. Class 39.
Tryon, Edw. K., Company, Philadelphia, Pa. Fishing rods, fishing reels, artificial fish baits, etc. Serial No. 503,024, Feb. 21. Class 22.
United Aircraft Products, Inc., Dayton, Ohio. Metal baking pans. Serial No. 557,167, Feb. 21. Class 13.
Universal Sports Press, Shelby, N. C. High school football annuals. Serial No. 566,484, Feb. 21. Class 38.
Van Dusen, Harrington Co., operating through a division known as King Midas Flour Mills, Minneapolis, Minn. Wheat flour. Serial No. 545,196, Feb. 21. Class 46.
Van Dusen, Harrington Co., Minneapolis, Minn., now by change of name from King Midas Mill Company, and also known as King Midas Flour Mills. Wheat flour. Serial No. 547,799, Feb. 21. Class 46.
Varkala, Joseph C., Washington, D. C., assignor to Mouli Manufacturing Corporation, Union, N. J. Food graters, slicers, shredders and mills. Serial No. 554,053, Feb. 21. Class 23.
Vazquez, José M., doing business under the firm name of La Iberia, New York, N. Y. Stockings, hose, outer and under shirts, sport shirts, etc. Serial No. 563,815, Feb. 21. Class 39.
Vermont Accident Insurance Company, Rutland, Vt. Hospitalization insurance. Serial No. 552,188, Feb. 21. Class 102.
Wabash Corporation, Brooklyn, N. Y. Photoflash lamps. Serial No. 569,112, Feb. 21. Class 26.
Warfield, Louis L., New York, N. Y. Polo shirts for use by infants and children, and shirts for outer wear for men and women. Serial No. 559,751, Feb. 21. Class 39.
Waterbury Tack Company, The, Shelton, Conn. Thumb tacks. Serial No. 564,668, Feb. 21. Class 13.
Weaver Manufacturing Company, Springfield, Ill. Wreck cranes. Serial No. 574,876, Feb. 21. Class 23.
Weber Shoe Company, St. Louis, Mo. Children's slippers. Serial No. 572,226, Feb. 21. Class 39.
West Virginia Pulp and Paper Company, New York, N. Y. Poster paper. Serial No. 559,409, Feb. 21. Class 37.
Western Division, Inc., Los Angeles, Calif. Radiator hose. Serial No. 577,297, Feb. 21. Class 35.
Western Perlite Corporation, Phoenix, Ariz. Perlite. Serial No. 566,254, Feb. 21. Class 1.
Wilder, Samuel M., doing business as Wilder Specialty Co., Philadelphia, Pa. Wind musical instruments. Serial No. 563,513, Feb. 21. Class 36.
Wilder Specialty Co.: *See*—
Wilder, Samuel M.
Wilmot, Mansour and Company, Limited, Totton, England. Miniature or model engines and parts thereof. Serial No. 571,243, Feb. 21. Class 22.
Wine Growers Guild, doing business as Citation Wine Co., Lodi, Calif. Wines. Serial No. 575,881, Feb. 21. Class 47.
Wine Growers Guild, doing business as Festival Wine Cellars, Lodi, Calif. Wines. Serial No. 575,882, Feb. 21. Class 47.
Woolworth, F. W., Co., New York, N. Y. Typewriter paper, second sheets, pads and tablets, etc. Serial No. 559,755, Feb. 21. Class 37.
Zip Products Co.: *See*—
Misson, William H.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Dansk Handels- og Industrie-Compagni, (Danisco), Copenhagen, Denmark. Akvavit and liqueurs. 443,769, Feb. 21; Serial No. 512,950, published Nov. 15, 1949. Class 49.
Abbott Laboratories, North Chicago, Ill. Aromatic elixir. 521,166, Feb. 21; Serial No. 548,221, published Nov. 1, 1949. Class 18.
Adorn, Frank, doing business as Little Princess Products, New York, N. Y. After shaving lotion. 521,248, Feb. 21; Serial No. 560,951, published Nov. 1, 1949. Class 51.
Alabama-Georgia Syrup Co., Montgomery, Ala. Cane and corn compound syrup. 76,348, re-renewed Jan. 11, 1950. O. G. Feb. 21. Class 46.
Alden, John, Tobacco Co., Wilmington, Del., and New York, N. Y. Cigars, cigarettes, cheroots, etc. 521,249, Feb. 21; Serial No. 561,065 published Nov. 8, 1949. Class 17.
Alpa Cheese Company: *See*—
Grossinklaus, Alice J.
Alt, Anne, Brassiere Co.: *See*—
Alt, Anne.
Alt, Anne, doing business as Anne Alt Brassiere Co., Compton, Calif. Brassières, "swim" brassières, sun-suits, play-suits, etc. 521,270, Feb. 21; Serial No. 564,594, published Nov. 8, 1949. Class 39.
Altman, B., & Co., New York, N. Y. Baby carriages. 521,312, Feb. 21; Serial No. 570,161, published Nov. 15, 1949. Class 19.
Alto-Metal Products, Inc., Cincinnati, Ohio. Call letter plates for broadcasters, residence plates, name plates, etc. 521,307, Feb. 21; Serial No. 567,941, published Oct. 18, 1949. Class 50.
American Breddo Corp., New York, N. Y. Softening and emulsifying agent used in baking. 521,342, Feb. 21; Serial No. 524,514. Class 46.
American Cranberry Exchange, New York, N. Y., and elsewhere in the United States. Fresh cranberries. 521,297, Feb. 21; Serial No. 566,203, published Nov. 8, 1949. Class 46.
American Hydraulics, Inc., Sheboygan, Wis. Hydraulic jacks. 521,272, Feb. 21; Serial No. 563,836, published Nov. 15, 1949. Class 23.
American Tobacco Company, The, New York, N. Y. Smoking tobacco. 521,294, Feb. 21; Serial No. 565,900, published Nov. 8, 1949. Class 17.
Amherst Blanket Company: *See*—
Poor, Edward E., Jr.
Anderson, Marshall: *See*—
Randolph Marketing Company.
Andy Bros. Tire Shop, Washington, Pa. Anti-skid rubber tread material for rubber tires. 521,327, Feb. 21; Serial No. 503,857. Class 35.
Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited: *See*—
Siegert, Dr. J. G. B., & Hijos.
Animal Trap Company of America, Lititz, Pa. Rodent traps. 521,090, Feb. 21; Serial No. 522,158, published Nov. 1, 1949. Class 50.
Apartment Appliance Co., St. Louis, Mo. Wheeled shopping carts. 521,273, Feb. 21; Serial No. 563,838, published Nov. 15, 1949. Class 19.
Appel, I., & Co., Inc., New York, N. Y. Ladies' pajamas, bedjackets, bath and beach robes, etc. 521,201, Feb. 21; Serial No. 555,041, published Nov. 1, 1949. Class 39.
Ark Bakers, Inc., Wichita, Kans. Bread. 521,285, Feb. 21; Serial No. 565,405, published Nov. 1, 1949. Class 46.
Armour and Company, Chicago, Ill. Antiseptic liquid soap. 521,187, Feb. 21; Serial No. 552,931, published Oct. 25, 1949. Class 52.
Arnold Bakers, Inc., by change of name from Brick Oven Bakers, Inc., Port Chester, N. Y. Baked goods. 521,329, Feb. 21; Serial No. 508,024. Class 46.
Ashton Power-Wrecker Equipment Co. Inc., Detroit, Mich. Motor vehicles. 521,167, Feb. 21; Serial No. 548,560, published Nov. 15, 1949. Class 19.
Athens Canning Company, Athens, Wis. Canned sweet peas. 521,287, Feb. 21; Serial No. 565,532, published Nov. 1, 1949. Class 46.
Atlantic Playing Card Co., Inc., New York, N. Y. Playing cards. 521,339, Feb. 21; Serial No. 522,910. Class 22.
Automatic Steel Products, Inc., Wilmington, Del., and Canton, Ohio. V-type pulleys, hand operated automobile jacks, etc. 521,233, Feb. 21; Serial No. 560,312, published Nov. 8, 1949. Class 23.
AVCO Manufacturing Corporation, Detroit, Mich. Agricultural mowing machines. 521,229, Feb. 21; Serial No. 559,786, published Nov. 1, 1949. Class 23.
AVCO Manufacturing Corporation, Detroit, Mich. Mower guards. 521,220, Feb. 21; Serial No. 558,268, published Nov. 1, 1949. Class 23.
Babson Bros. Co., Chicago, Ill. Milking machines and parts thereof. 521,133, Feb. 21; Serial No. 540,764, published Oct. 25, 1949. Class 23.
Baby Town, Inc., St. Louis, Mo. Infants' clothing. 521,266, Feb. 21; Serial No. 562,903, published Nov. 8, 1949. Class 39.
Baldwin Locomotive Works, The, Philadelphia and Eddystone, Pa. Machinery. 521,206, Feb. 21; Serial No. 555,897, published Nov. 15, 1949. Class 23.
Barbet Mills, Inc., Gastonia, N. C. Knitted fabrics in the piece. 521,354, Feb. 21; Serial No. 551,511. Class 42.
Barclay Knitwear Co., Inc., Kingston and New York, N. Y. Polo shirts for children, boys, and men. 521,194, Feb. 21; Serial No. 554,291, published Nov. 1, 1949. Class 39.
Bearings Company of America, Lancaster, Pa. Radial ball bearings, single row ball bearings, etc. 443,774, Feb. 21; Serial No. 525,286, published July 20, 1948. Class 23.
Beavertone Fur Process Corp., New York, N. Y. Dyed lamb fur skins. 521,337, Feb. 21; Serial No. 520,924. Class 1.
Beckerman, M., & Sons, Inc., New York, N. Y. Shoes. 521,241, Feb. 21; Serial No. 560,530, published Oct. 25, 1949. Class 39.

Bedford Tool and Forge Company, Bedford, Ohio. Cutting tools. 521,269, Feb. 21; Serial No. 563,105, published Nov. 1, 1949. Class 23.
Bendix Aviation Corporation, South Bend, Ind. Carburetors and accessories therefor, and parts thereof. 521,102, Feb. 21; Serial No. 530,055, published Nov. 15, 1949. Class 23.
Bercut-Richards Packing Company, Sacramento, Calif. Fresh canned, and frozen deciduous fruits and vegetables. 521,332, Feb. 21; Serial No. 512,764. Class 46.
Berke Brothers Distilleries Inc., Boston, Mass. Whiskey. 521,324, Feb. 21; Serial No. 488,635. Class 49.
Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. 521,157, Feb. 21; Serial No. 544,604, published Oct. 25, 1949. Class 23.
Bloch, Robert, and Simone Van Moppes Bloch, New York, N. Y. Figurines made of china. 521,235, Feb. 21; Serial No. 560,378, published Oct. 25, 1949. Class 50.
Bloch, Simone Van Moppes: *See*—
Bloch, Robert, and Simone Van Moppes Bloch.
Block Shoe Stores, Incorporated, Seattle, Wash. Shoes. 521,216, Feb. 21; Serial No. 558,001, published Nov. 8, 1949. Class 39.
Blue Point Tool Company, Chicago, Ill., to Snap-On Tools Corporation, Kenosha, Wis. Wrenches, wrench sets, wrench sockets, etc. 270,479, renewed May 6, 1950. O. G. Feb. 21. Class 23.
Bodle, R. D., Co., doing business as Valley Fruit Canning Co., Seattle, Wash. Frozen fruits, berries, and vegetables, etc. 521,302, Feb. 21; Serial No. 566,858, published Nov. 1, 1949. Class 46.
Bohemian Distributing Company, also doing business as International Products Company, Los Angeles, Calif. Whiskey. 443,725, Feb. 21; Serial No. 525,475, published Nov. 15, 1949. Class 49.
Bonne Bell, Inc., Lakewood, Ohio. Cologne and body powder. 521,146, Feb. 21; Serial No. 544,017, published Nov. 1, 1949. Class 51.
Booth Radio Stations, Inc., Detroit, Mich. Radio program broadcasting. 521,381, Feb. 21; Serial No. 557,428. Class 104.
Borden Company, The: *See*—
Horton, J. M., Ice Cream Company, Inc.
Breuer Electric Mfg. Co., Chicago, Ill. Liquid and paste wax, sealer. 521,281, Feb. 21; Serial No. 565,038, published Oct. 18, 1949. Class 4.
Brick Oven Bakers, Inc.: *See*—
Arnold Bakers, Inc.
British Cod Liver Oils (Hull & Grimsby) Limited, Hull, England. Cod liver oil. 521,082, Feb. 21; Serial No. 509,392, published Nov. 8, 1949. Class 46.
Broadway Neckwear: *See*—
Broome, Samuel.
Broome, Samuel, doing business as Broadway Neckwear, New York, N. Y. Men's and boys' neckties, bow ties, and men's mufflers. 521,148, Feb. 21; Serial No. 544,320, published Nov. 8, 1949. Class 39.
Burlington County Shoe Corporation, Mount Holly, N. J. Infants' shoes. 521,246, Feb. 21; Serial No. 560,752, published Oct. 25, 1949. Class 39.
Burrus Mill & Elevator Co.: *See*—
Tex-O-Kan Flour Mills Co.
Butterfield, Fred, & Co., Inc., New York, N. Y., to Merrimack Manufacturing Company, Lowell, Mass. Cotton, linen, silk, rayon, and/or combinations thereof in the piece. 269,073, renewed Mar. 25, 1950. O. G. Feb. 21. Class 42.
CCA Products Engineering Company, Glendale, Calif. Combination filter-lubricator. 443,766, Feb. 21; Serial No. 501,819, published Oct. 4, 1949. Class 23.
Cage Company, The, Waxahachie, Tex. Cosmetics. 521,221, Feb. 21; Serial No. 558,346, published Nov. 1, 1949. Class 51.
Callaway Mills Company: *See*—
Oakleaf Mills.
Campbell-Hausfeld Co., The, Harrison, Ohio. Air compressors and parts thereof. 521,199, Feb. 21; Serial No. 554,764, published Oct. 11, 1949. Class 23.
Canadian Fish & Cold Storage Co., Ltd., Prince Rupert, British Columbia, Canada. Varieties of fresh fish, frozen fish, salt fish, etc. 521,147, Feb. 21; Serial No. 544,052, published Nov. 8, 1949. Class 46.
Carleton, G. W., Van Nuys, Calif. Toy projector. 521,373, Feb. 21; Serial No. 570,477. Class 22.
Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa. Bakery products. 521,185, Feb. 21; Serial No. 552,840, published Nov. 8, 1949. Class 46.
Cartersville Mills, Incorporated, The, Cartersville, Ga., by E-Z Mills, Inc., New York, N. Y. Children's knit ribbed underwear. 234,981, Nov. 8, 1927. Republished Feb. 21. Class 39.
Celcure Wood Preserving Corporation: *See*—
Gunn, Gilbert.
Cement Gun Company: *See*—
Cement-Gun Company, Inc.
Cement-Gun Company, Inc., Allentown, Pa., and New York, N. Y., by Cement Gun Company, Allentown, Pa. Machines or apparatus for applying plastic and adhesive materials. 128,325, Jan. 6, 1920. Republished Feb. 21. Class 23.
Chamberlain Laboratories, Inc.: *See*—
Chamberlain Medicine Co.
Chamberlain Medicine Co., to Chamberlain Laboratories, Inc., Des Moines, Iowa. Hand lotion. 261,414, renewed Sept. 17, 1949. O. G. Feb. 21. Class 51.
Chase Candy Company, St. Louis, Mo., assignee of Clinton Industries, Inc. Candy-coated almonds. 521,077, Feb. 21; Serial No. 498,594, published Nov. 8, 1949. Class 46.
Chiksan Company, Brea, Calif. Mud mixing guns and parts for the same, swivel joints, counterbalance swivel joints, etc. 521,129, Feb. 21; Serial No. 540,034, published Oct. 4, 1949. Class 23.
Chula Vista Citrus Association, The: *See*—
Chula Vista Citrus Association.
Chula Vista Citrus Association, to The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrus fruits. 267,929, renewed Mar. 4, 1950. O. G. Feb. 21. Class 46.
Cigalite Flint Corporation: *See*—
Weber Metals Corporation.
Cleve, Frank, Jr., Kansas City, Mo. Shoe heels and soles. 521,328, Feb. 21; Serial No. 507,715. Class 39.
Clinton Industries, Inc.: *See*—
Chase Candy Company.
Coating Materials Laboratories, Inc., Belleville, N. J. Nitrate cellulose lacquers. 521,092, Feb. 21; Serial No. 522,882, published Mar. 15, 1949. Class 16.
Cockshutt Plow Company, Limited, Brantford, Ontario, Canada. Farm implements of all kinds. 521,126, Feb. 21; Serial No. 538,888, published Nov. 1, 1949. Class 23.
Cohen, William H., doing business as Steel-Craft Letter Company, Boston, Mass. Letters and similar characters made from various metals. 521,252, Feb. 21; Serial No. 561,295, published Nov. 1, 1949. Class 50.
Cole, B. E., Co., Norway, Maine. Misses' and ladies' shoes. 521,139, Feb. 21; Serial No. 542,443, published Nov. 1, 1949. Class 39.
Colonial Pump Company: *See*—
Lilly, Howard C.
Colorado Milling & Elevator Co., The, Denver, Colo., doing business under the style name of The Springfield Flour Mills, Springfield, Mo. Wheat flour. 521,177, Feb. 21; Serial No. 550,388, published Nov. 8, 1949. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo., doing business under the style name The Husler Flour Mills, Salt Lake City, Utah. Wheat flour. 521,183, Feb. 21; Serial No. 551,540, published Nov. 8, 1949. Class 46.
Conservenfabrik Lenzburg Vorm. Henckell & Roth, by Conserves Hero Lenzbourg, Lenzburg, Switzerland. Conserved fruits and vegetables, canned meats, and marmalades and jams. 85,080, Jan. 30, 1912. Republished Feb. 21. Class 46.
Conserves Hero Lenzbourg: *See*—
Conservenfabrik Lenzburg Vorm. Henckell & Roth.
Crowther, John, & Sons (Millshridge) Limited, Huddersfield, England. Men's and boys' suits, jackets, vests, etc. 521,144, Feb. 21; Serial No. 543,694, published Nov. 8, 1949. Class 39.
Crystal Studio: *See*—
Vinson, Harold S.
Curlee Clothing Company, St. Louis, Mo. Men's suits. 269,185, renewed Mar. 25, 1950. O. G. Feb. 21. Class 39.
Danish Creamery Association, Fresno, Calif. Butter. 521,361, Feb. 21; Serial No. 559,998. Class 46.
De Met's, Inc., Chicago, Ill. Candy. 521,291, Feb. 21; Serial No. 565,758, published Nov. 1, 1949. Class 46.
Dettra Flag Company, Inc., Oaks, Pa. Flags. 521,143, Feb. 21; Serial No. 542,748, published Oct. 4, 1949. Class 50.
Dexter Company, The, Fairfield, Iowa, to The Firestone Tire & Rubber Company, Akron, Ohio. Washing machines. 263,535, renewed Nov. 5, 1949. O. G. Feb. 21. Class 24.
Diamond Expansion Bolt Company, Inc.: *See*—
Diamond Expansion Bolt Co.
Diamond Expansion Bolt Co., by Diamond Expansion Bolt Company, Inc., Garwood, N. J. Metal clamps. 264,204, Nov. 19, 1929. Republished Feb. 21. Class 13.
Disken, Bernard B., Co.: *See*—
Disken, Bernard B.
Disken, Bernard B., doing business as Bernard B. Disken Co., New Haven, Conn. Children's shoes, misses' shoes, and boys' shoes. 521,244, Feb. 21; Serial No. 560,686, published Oct. 11, 1949. Class 39.
Ditto, Incorporated, Chicago, Ill. Liquid soap, and typewriter type and platen cleaner, etc. 521,200, Feb. 21; Serial No. 554,867, published Mar. 22, 1949. Class 52.
Dixie Preserves, Ltd., Los Angeles, Calif. Fruit preserves and jellies. 521,202, Feb. 21; Serial No. 555,062, published Nov. 8, 1949. Class 46.
Dobson, Paul A., Exeter, Calif. Fresh grapes. 443,355, Sept. 6, 1949. Republished Feb. 21. Class 46.
Douglas of California, Inc., New York, N. Y. Ladies' and misses' hats, scarfs, hoods, and muffs. 521,140, Feb. 21; Serial No. 542,451, published Oct. 25, 1949. Class 39.
Dubin, Ruth G., Rockville Centre, N. Y. Diaper shirts and infants' underwear. 521,267, Feb. 21; Serial No. 562,917, published Nov. 8, 1949. Class 39.
Dubovy, H., & Co., Inc., New York, N. Y. Men's and young men's suits and overcoats. 521,370, Feb. 21; Serial No. 567,121. Class 39.

Duesberg, Hubert, Heusy-Verviers, Belgium. Machinery used in the textile industry. 521,113, Feb. 21; Serial No. 533,853, published Oct. 11, 1949. Class 23.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic rubber composition sheeting. 521,227, Feb. 21; Serial No. 559,693, published Oct. 4, 1949. Class 50.

Dwinell-Wright Company, Boston, Mass. Tea. 77,624, re-renewed Apr. 26, 1950. O. G. Feb. 21. Class 46.

Dwinell-Wright Company, Boston, Mass. Coffee. 77,625, re-renewed Apr. 26, 1950. O. G. Feb. 21. Class 46.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters. 521,134, Feb. 21; Serial No. 541,105, published Nov. 15, 1949. Class 19.

Eadington Fruit Co., Fullerton, Calif. Fresh citrus fruits. 521,121, Feb. 21; Serial No. 536,880, published Nov. 8, 1949. Class 46.

Elgin Softener Corporation, Elgin, Ill. Water-softening systems and parts thereof. 264,017, renewed Nov. 12, 1949. O. G. Feb. 21. Class 23.

Elkay Manufacturing Company, Cicero, Ill. Metal sinks. 521,330, Feb. 21; Serial No. 510,073. Class 13.

Elmer Candy Company, New Orleans, La. Candy. 521,380, Feb. 21; Serial No. 580,550. Class 46.

Eureka Williams Corporation: *See*—
Williams Oil-O-Matic Heating Corporation.

Evans, David G., Coffee Company, St. Louis, Mo. Olives, tea, cocoa, etc. 521,335, Feb. 21; Serial No. 517,626. Class 46.

E-Z Mills, Inc.: *See*—
Cartersville Mills, Incorporated, The.
E-Z Waist Company.
E-Z Waist Company, The.
Fitzpatrick, Thomas B.
Sears, Roebuck and Co.
Ware Valley Manufacturing Co., Inc.

E-Z Mills, Inc., New York, N. Y. Underwear for men. 364,058, Jan. 17, 1939. Republished Feb. 21. Class 39.

E-Z Mills, Inc., New York, N. Y. Men's, women's and children's hosiery. 371,958, Oct. 17, 1939. Republished Feb. 21. Class 39.

E-Z Waist Company, The, by E-Z Mills, Inc., New York, N. Y. Underwaists, union-suits, and sleeping-garments. 147,308, Oct. 11, 1921. Republished Feb. 21. Class 39.

E-Z Waist Company, The, by E-Z Mills, Inc., New York, N. Y. Underwear. 148,401, Nov. 15, 1921. Republished Feb. 21. Class 39.

E-Z Waist Company, by E-Z Mills, Inc., New York, N. Y. Union suits. 222,107, Dec. 21. Republished Feb. 21. Class 39.

Falchick Dress Co., Inc., New York, N. Y. Ladies' dresses. 443,768, Feb. 21; Serial No. 506,102, published Jan. 18, 1949. Class 39.

Fanno, Carl R., doing business under the fictitious name and style of The Fanno Saw Works, Chico, Calif. Hand saws. 521,192, Feb. 21; Serial No. 553,684, published Nov. 1, 1949. Class 23.

Fanno Saw Works, The: *See*—
Fanno, Carl R.

Farbman & Wilson, Inc., Philadelphia, Pa. Outer apparel. 521,359, Feb. 21; Serial No. 554,779. Class 39.

Fernando Canning Company, Inc., San Fernando, Calif. Canned fruits and vegetables. 521,298, Feb. 21; Serial No. 566,221, Nov. 1, 1949. Class 46.

Fink, A., & Sons, Company, Inc., Newark, N. J. Hams, bacon, pork sausage, etc. 521,162, Feb. 21; Serial No. 546,290, published Nov. 8, 1949. Class 46.

Firestone Tire & Rubber Company, The: *See*—
Dexter Company, The.

Fisher Silversmiths, Inc. The, Jersey City, N. J., and New York, N. Y. Hollow and flat silverware. 521,349, Feb. 21; Serial No. 544,719. Class 28.

Fitzpatrick, Thomas B., Boston, Mass., by E-Z Mills, Inc., New York, N. Y. Wearing apparel. 54,234, June 26, 1906. Republished Feb. 21. Class 39.

Fleming, Frank W., Long Beach, N. Y. Flowers and confections. 521,280, Feb. 21; Serial No. 564,615, published Oct. 4, 1949. Class 50.

Flobert Company, Inc., The, New York, N. Y. Women's and misses' house coats, robes, pajamas, etc. 521,305, Feb. 21; Serial No. 567,767, published Nov. 8, 1949. Class 39.

Florasynth Laboratories Incorporated, New York, N. Y. Imitation olive oil flavoring. 521,076, Feb. 21; Serial No. 494,553, published Nov. 15, 1949. Class 46.

Fluor-amm-ine Co.: *See*—
Jordahl, Mervin L.

Foltz Tea & Coffee Co., New Orleans, La. Coffee. 521,363, Feb. 21; Serial No. 562,349. Class 46.

Forest City Manufacturing Company, St. Louis, Mo. Outer wearing apparel for women and girls. 521,250, Feb. 21; Serial No. 561,106, published Nov. 1, 1949. Class 39.

Forman, Ford and Co., Minneapolis, Minn. Interior paint, outside paint, paint enamels, varnishes, etc. 521,204, Feb. 21; Serial No. 555,495, published Nov. 8, 1949. Class 16.

Formfit Company, The, Chicago, Ill. Bras, breeches and combinations. 521,116, Feb. 21; Serial No. 534,710, published Oct. 25, 1949. Class 39.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 521,319, Feb. 21; Serial No. 573,240, published Nov. 15, 1949. Class 42.

Fountain Hill Underwear Mills, Bethlehem, Pa. Men's, women's and children's underwear and knitted polo and T-shirts. 521,295–6, Feb. 21; Serial Nos. 566,071–2, published Nov. 8, 1949. Class 39.

Fox Knapp Manufacturing Co., New York, N. Y. Sportswear. 413,533, May 1, 1945. Republished Feb. 21. Class 39.

Franco Corset Company, New York, N. Y. Corsets. 268,070, renewed Mar. 4, 1950. O. G. Feb. 21. Class 39.

Frank, H. G. J., doing business as Johnny Franks Auto Parts Co., Houston, Tex. Motor vehicle bodies and body parts. 521,099, Feb. 21; Serial No. 528,998, published Nov. 8, 1949. Class 19.

Franks, Johnny, Auto Parts Co.: *See*—
Frank, H. G. J.

Frederick & Nelson: *See*—
Marshall Field & Company.

Frontier Products Company, St. Louis, Mo., assignor to Joseph M. Hohn, doing business as Frontier Products Company. Detergent. 521,095, Feb. 21; Serial No. 527,418, published Sept. 27, 1949. Class 52.

Fuller Brush Company, The, Hartford, Conn. Floor polish. 521,171, Feb. 21; Serial No. 548,948, published Oct. 18, 1949. Class 4.

Fulton Company, The, Milwaukee, Wis. Automotive equipment. 521,234, Feb. 21; Serial No. 560,329, published Nov. 15, 1949. Class 19.

Gardner Board and Carton Co.: *See*—
Gardner-Richardson Company, The.

Gardner-Richardson Company, The, Middletown, Ohio, now by change of name Gardner Board and Carton Co. Paperboard traps. 521,170, Feb. 21; Serial No. 548,724, published Sept. 13, 1949. Class 50.

Gates Rubber Company, The, Denver, Colo. Power transmission belts. 521,347, Feb. 21; Serial No. 542,109. Class 35.

Geigy Company, Inc., New York, N. Y. Dyestuffs, lakes, and chemical products suitable for dyeing purposes. 263,767, renewed Nov. 12, 1949. O. G. Feb. 21. Class 6.

Geigy Company, Inc., New York, N. Y. Coal-tar dyes. 264,241–2, renewed Nov. 19, 1949. O. G. Feb. 21. Class 6.

Geller, Andrew, Inc.: *See*—
Geller, Andrew, Shoe Manufacturing Co. Inc.

Geller, Andrew, Shoe Manufacturing Co. Inc., Brooklyn, N. Y., now by change of name Andrew Geller, Inc. Ladies' and misses' shoes. 521,228, Feb. 21; Serial No. 559,767, published Nov. 1, 1949. Class 39.

General Motors Corporation, Detroit, Mich. Automobiles. 521,308, Feb. 21; Serial No. 568,306, published Nov. 15, 1949. Class 19.

Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. 521,100, Feb. 21; Serial No. 529,021, published Mar. 29, 1949. Class 39.

Goodyear Rubber Company, Middletown, Conn. Rubber boots, pacs, overshoes, etc. 521,214, Feb. 21; Serial No. 557,518, published Nov. 8, 1949. Class 39.

Graham Baking Co., Lakewood, Ohio. Frozen cake and cooky dough and frostings. 521,334, Feb. 21; Serial No. 514,704. Class 46.

Graham, M. L., Seattle, Wash. Mayonnaise, salad dressings, cooked chicken, etc. 342,859, Feb. 2, 1937. Republished Feb. 21. Class 46.

Gramm Trailer Corporation, Delphos, Ohio. Semi-trailers. 521,078, Feb. 21; Serial No. 506,926, published Nov. 15, 1949. Class 19.

Gray, Clyde E., Port Arthur, Tex. House boats. 521,310, Feb. 21; Serial No. 569,198, published Nov. 15, 1949. Class 19.

Great Western Foods Company: *See*—
Waples-Platter Company.

Green Bay Specialty Company, Green Bay, Wis. Wool sport shirts and jackets for men and women, wool hunting jackets and breeches, etc. 521,189, Feb. 21; Serial No. 553,276, published Nov. 1, 1949. Class 39.

Greenstein & Flaum, New York, N. Y. Ladies' hats. 521,217, Feb. 21; Serial No. 558,137, published Oct. 25, 1949. Class 39.

Grossnicklaus, Alice J., doing business as Alpa Cheese Company, Wilmot, Ohio. Pasteurized and packaged cheese. 521,292, Feb. 21; Serial No. 565,776, published Nov. 8, 1949. Class 46.

Gruendler Crusher and Pulverizer Co., St. Louis, Mo. Industrial crushers, industrial and agricultural shredders, etc. 521,124, Feb. 21; Serial No. 538,128, published Nov. 8, 1949. Class 23.

Gude & Cole Corp., Newark, N. J. Canned vegetables. 443,772, Feb. 21; Serial No. 525,079, published Nov. 8, 1949. Class 46.

Gunite Foundries Corporation, Rockford, Ill. Cast steel automotive wheels. 521,314, Feb. 21; Serial No. 571,271, published Nov. 15, 1949. Class 19.

Gunn, Gilbert, Pollokshaws, Glasgow, Scotland, to Celcure Wood Preserving Corporation, Jacksonville, Fla. Chemical compound. 266,384, renewed Jan. 14, 1950. O. G. Feb. 21. Class 6.

Gyrodyne Company of America, Inc., New York, N. Y. Helicopter aircraft. 521,315, Feb. 21; Serial No. 571,611, published Nov. 15, 1949. Class 19.

Haas Brothers, San Francisco, Calif. Food products. 521,132, Feb. 21; Serial No. 540,667, published Mar. 8, 1949. Class 46.

Hard Rock Maple Ten Pin Co., Chicago, Ill. Bowling pins. 521,365, Feb. 21; Serial No. 564,874. Class 22.

Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycles, side-cars, and three-wheeled service and delivery vehicles. 521,106, Feb. 21; Serial No. 531,594, published Oct. 11, 1949. Class 19.

Hart Schaffner & Marx, Chicago, Ill. Overcoats for men. 521,161, Feb. 21; Serial No. 546,045, published Nov. 8, 1949. Class 39.

Harvey Manufacturing Corp., New York, N. Y. Sewing machines and parts thereof. 521,243, Feb. 21; Serial No. 560,619, published Nov. 8, 1949. Class 23.

Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. 521,236, Feb. 21; Serial No. 560,408, published Nov. 1, 1949. Class 39.

Hat Research Foundation, Inc., New York, N. Y. Men's hats. 521,323, Feb. 21; Serial No. 541,539, published Oct. 25, 1949. Class 39.

Hatfield Industries, Inc., Hatfield, Pa. Farm wagons, utility trailers, and accessories therefor. 521,118, Feb. 21; Serial No. 536,080, published Nov. 15, 1949. Class 19.

Heide Babe Products, Chicago, Ill. Kit consisting of nursing bottle holder, baby pants, and baby bib. 521,255, Feb. 21; Serial No. 561,462, published Oct. 25, 1949. Class 39.

Hettrick Manufacturing Company, The, Toledo, Ohio. Tents and paulins. 521,104, Feb. 21; Serial No. 531,131, published Nov. 1, 1949. Class 50.

Hinsdale Manufacturing Company, Chicago, Ill. Tools. 521,203, Feb. 21; Serial No. 555,410, published Oct. 4, 1949. Class 23.

Hohn, Joseph M.: *See*—
Frontier Products Company.

Hollin, John G., doing business as International Export Company, San Francisco, Calif. Automotive parts. 521,125, Feb. 21; Serial No. 538,413, published Nov. 1, 1949. Class 23.

Hollingshead, R. M., Co., The, to R. M. Hollingshead Corporation, Camden, N. J. Fly spray. 262,030, renewed Sept. 24, 1949. O. G. Feb. 21. Class 6.

Hollingshead, R. M., Corporation: *See*—
Hollingshead, R. M., Co., The.

Honan-Crane Corporation, Lebanon, Ind. Purifier machine; clarifier machine; portable mobile filtering machine; etc. 521,087, Feb. 21; Serial No. 520,165, published Nov. 1, 1949. Class 23.

Horton & Converse, Los Angeles, Calif. Male sex hormone. 515,521, Sept. 27, 1949. Corrected. O. G. Feb. 21. Class 6.

Horton, J. M., Ice Cream Company, Inc., to The Borden Company, New York, N. Y. Ice cream. 265,673–4, renewed Jan. 7, 1950. O. G. Feb. 21. Class 46.

Hough, Frank G., Co., The, Libertyville, Ill. Power operated material handling appliances. 443,767, Feb. 21; Serial No. 503,292, published Nov. 8, 1949. Class 23.

Houston Engineers, Inc., Houston, Tex. Oil well tools. 521,135, Feb. 21; Serial No. 541,421, published Nov. 1, 1949. Class 23.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Oil poultry brooders. 521,207, Feb. 21; Serial No. 556,199, published Nov. 1, 1949. Class 50.

Hudson Motor Car Company, Detroit, Mich. Automobiles. 521,163, Feb. 21; Serial No. 546,301, published Nov. 15, 1949. Class 19.

Husler Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Illinois Zinc Company, Chicago, Ill. Zinc alloy. 268,273, renewed Mar. 11, 1950. O. G. Feb. 21. Class 14.

International Export Company: *See*—
Hollin, John G.

International Products Company: *See*—
Bohemian Distributing Company.

International Shoe Co., St. Louis, Mo. Boots and shoes. 270,064, renewed Apr. 22, 1950. O. G. Feb. 21. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 521,261, Feb. 21; Serial No. 562,474, published Nov. 8, 1949. Class 39.

Irving Air Chute Co., Inc., Buffalo, N. Y. Parachutes, parachute packs, and parachute harness. 521,168, Feb. 21; Serial No. 548,591, published Nov. 15, 1949. Class 19.

Irving-Cloud Publishing Co., The, to The Irving-Cloud Publishing Co., Chicago, Ill. Magazine. 265,731, renewed Jan. 7, 1950. O. G. Feb. 21. Class 38.

Ivy Corporation, Montclair, N. J. External remedies. 521,256, Feb. 21; Serial No. 561,571, published Nov. 1, 1949. Class 18.

Jameson, John, & Son, Limited, Dublin, Irish Free State. Irish whiskey. 521,209, Feb. 21; Serial No. 556,888, published Nov. 15, 1949. Class 49.

Jensen, Poul V., Copenhagen, Denmark. Safety razors and safety razor blades. 521,195, Feb. 21; Serial No. 554,675, published Oct. 4, 1949. Class 23.

Jersey Carpet Corporation, Passaic, N. J. Mats of hardboards. 521,131, Feb. 21; Serial No. 540,283, published Nov. 1, 1949. Class 50.

Joan-Doug Undergarment Co., Inc., New York, N. Y. Ladies' and children's rayon underwear. 521,208, Feb. 21; Serial No. 556,447, published Nov. 8, 1949. Class 39.

Johnson Biscuit Company, Sioux City, Iowa. Cookies. 521,288, Feb. 21; Serial No. 565,628, published Nov. 1, 1949. Class 46.

Johnson & Johnson, New Brunswick, N. J. Soap. 521,309, Feb. 21; Serial No. 568,627, published Oct. 4, 1949. Class 52.

Jones, C. Walker, Company, Philadelphia, Pa. Work gloves. 521,128, Feb. 21; Serial No. 539,707, published Mar. 15, 1949. Class 39.

Jordahl, Mervin L., doing business as Fluor-Amm-Ine Co., Minneapolis and Olivia, Minn. Dentifrice. 521,193, Feb. 21; Serial No. 553,779, published Feb. 1, 1949. Class 51.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits, topcoats, and overcoats. 521,257, Feb. 21; Serial No. 561,573, published Oct. 25, 1949. Class 39.

Juilliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. 521,350, Feb. 21; Serial No. 547,909. Class 42.

Kaufman, Abraham W., New York, N. Y. Ladies' and misses' hosiery, slips, panties, etc. 521,213, Feb. 21; Serial No. 557,456, published Nov. 8, 1949. Class 39.

Kattu Project, Inc., Forest Hills, N. Y. Small boats. 521,205, Feb. 21; Serial No. 555,541, published Nov. 15, 1949. Class 19.

Kayser, Julius, & Co., New York, N. Y. Hosiery. 521,184, Feb. 21; Serial No. 551,568, published Nov. 8, 1949. Class 39.

King Quality Products Co., Indianapolis, Ind., and St. Louis, Mo. Engine parts and tools. 521,176, Feb. 21; Serial No. 550,327, published Nov. 8, 1949. Class 23.

Kitty Kelly Shoe Corporation, New York, N. Y. Certain named articles of clothing. 521,137, Feb. 21; Serial No. 541,934, published Nov. 8, 1949. Class 39.

Knapp-Monarch Company, assignor to Knapp-Monarch Company, St. Louis, Mo. Filled insecticide dispensers with control valves. 443,764, Feb. 21; Serial No. 496,512, published Oct. 18, 1949. Class 23.

Knothe Brothers Co, Inc., New York, N. Y. Men's and boys' pajamas, athletic shorts and negligee and dress shirts. 521,101, Feb. 21; Serial No. 529,274, published Apr. 19, 1949. Class 39.

La Bour Company, Inc., The, Elkhart, Ind. Centrifugal pumps and parts thereof. 521,117, Feb. 21; Serial No. 535,164, published Nov. 8, 1949. Class 23.

Ladoga Canning Company: *See*—
Sears & Nichols Corporation, The.

Lady Ester Lingerie Corporation, New York, N. Y. Women's and misses' slips. 521,109, Feb. 21; Serial No. 552,438, published Nov. 8, 1949. Class 39.

Lamb-Grays Harbor Company: *See*—
Lamb-Grays Harbor Company, Inc.

Lamb-Grays Harbor Company, Inc., Hoquiam, Wash., assignee of Lamb-Grays Harbor Company. Conveying equipment. 521,084, Feb. 21; Serial No. 512,676, published Nov. 8, 1949. Class 23.

Lang, Harry, Mfg. Co.: *See*—
Lang Industries.

Lang Industries, assignor to Harry Lang Mfg. Co., Minneapolis, Minn. Men's, women's and children's overalls and coveralls. 521,141, Feb. 21; Serial No. 542,599, published Nov. 1, 1949. Class 39.

La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Bulldozers; trailbuilders; roadbuilders; pivot-dozers, etc. 521,182, Feb. 21; Serial No. 551,389, published Nov. 8, 1949. Class 23.

Lapointe Machine Tool Company, The, Hudson, Mass. Broaches and broaching machines. 521,275, Feb. 21; Serial No. 563,986, published Nov. 8, 1949. Class 23.

Lasar Manufacturing Co.: *See*—
Lasar, William.

Lasar, William, doing business as Lasar Manufacturing Co., Los Angeles, Calif. Meat grinders. 521,138, Feb. 21; Serial No. 542,142, published Nov. 15, 1949. Class 23.

Lauritzen and Company, Inc., Chicago, Ill. Food product in powder form. 521,245, Feb. 21; Serial No. 560,712, published Nov. 8, 1949. Class 46.

Le Roi Company, Milwaukee, Wis. Combination compressor and tractor units. 521,080, Feb. 21; Serial No. 508,384, published Nov. 1, 1949. Class 23.

Leroux and Company, Inc., Philadelphia, Pa. Alcoholic cordials and liqueurs. 521,231, Feb. 21; Serial No. 560,113, published Nov. 15, 1949. Class 49.

Lewis, A. H., Medicine Co., The, to Lewis-Howe Company, St. Louis, Mo. Carminative-antacid corrective for stomach distress. 268,593, renewed Mar. 18, 1950. O. G. Feb. 21. Class 18.

Lewis-Howe Company: *See*—
Lewis, A. H., Medicine Co., The.

Licoreria Roses, Inc., Arecibo, Puerto Rico. Rum. 443,762, Feb. 21; Serial No. 483,540. Class 49.

Lilly, Howard C., doing business as Colonial Pump Company, Stoughton, Mass. Motor-driven rotary pumps. 521,224, Feb. 21; Serial No. 558,728, published Nov. 1, 1949. Class 23.

Little Princess Products: *See*—
Adorn, Frank.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 521,122, Feb. 21; Serial No. 537,056, published Nov. 15, 1949. Class 46.

Lynbrook Company, The, Muskogee, Okla. Combination gas heaters and cooking stoves. 521,352, Feb. 21; Serial No. 550,421. Class 34.

Lynn, Sheila, Inc., New York, N. Y. Ladies' and misses' dresses, blouses, jumpers, etc. 521,211, Feb. 21; Serial No. 557,368, published Oct. 25, 1949. Class 39.

Machinecraft, Inc., Whitman, Mass. Top rolls for textile drawing mechanisms, draw frame rolls, and pitman rolls. 521,238, Feb. 21; Serial No. 560,488, published Nov. 8, 1949. Class 23.

Magnolia Petroleum Company, Dallas, Tex. Petroleum and products of petroleum. 266,339, renewed Jan. 14, 1950. O. G. Feb. 21. Class 15.

Manatee Crate Company, Inc., Manatee, to Nocatee-Manatee Crate Company, Nocatee, Fla. Fruit and vegetable hampers. 269,602, renewed Apr. 15, 1950. O. G. Feb. 21. Class 2.

Manchester Knitted Fashions, Inc., Manchester, N. H. Children's and juveniles' bathing trunks, suits, and beachwear. 521,274, Feb. 21; Serial No. 563,940, published Nov. 1, 1949. Class 39.

Marlin Bros., Deland, Calif. Fresh grapes. 521,284, Feb. 21; Serial No. 565,350, published Nov. 1, 1949. Class 46.

Marshall Field & Company, Chicago, Ill., also doing business as Frederick & Nelson, Seattle, Wash. Women's and misses' dresses, gloves, and hosiery. 521,186, Feb. 21; Serial No. 552,853, published Nov. 1, 1949. Class 39.

Mayer, A. G., Inc., New York, N. Y. Molded pen and pencil cases in the form of holsters. 521,356, Feb. 21; Serial No. 553,300. Class 37.

McClure & McIntosh, Limited, Glasgow, Scotland. Knitted articles of clothing. 268,174, renewed Mar. 11, 1950. O. G. Feb. 21. Class 39.

McDonnell Aircraft Corporation, Lambert Field, Mo. Airplanes. 521,276, Feb. 21; Serial No. 564,339, published Nov. 8, 1949. Class 19.

McGreevey, Werring & Howell, Inc., New York, N. Y. Sheets and pillow cases. 521,369, Feb. 21; Serial No. 566,628. Class 42.

McLaughlin-Millard, Inc., Dolgeville, N. Y. Baseball bats and softball bats. 521,346, Feb. 21; Serial No. 536,941. Class 22.

Mead Specialties Company, Inc., Chicago, Ill. Compressed air-operated hammers, presses, punches, etc. 521,188, Feb. 21; Serial No. 553,204, published Oct. 4, 1949. Class 23.

Meiflex Products Company, Inc., Akron, Ohio. Floor mats and matting and stairs tread. 521,169, Feb. 21; Serial No. 548,599, published Sept. 13, 1949. Class 50.

Mendes, J. Curry, Boston, Mass. Collating and tipping machines. 521,322, Feb. 21; Serial No. 581,275, published Nov. 15, 1949. Class 23.

Merrimack Manufacturing Company: *See*—
Butterfield, Fred, & Co., Inc.

Metzger, Theodore C., Lorain, Ohio. Game played with targets and darts. 521,333, Feb. 21; Serial No. 513,630. Class 22.

Michigan Chemical Corporation, St. Louis, Mich. Hygroscopic composition. 440,847, Oct. 5, 1948. Republished Feb. 21. Class 12.

Michigan Chemical Corporation, St. Louis, Mich. Compound containing chlorobromomethane. 443,179, Aug. 2, 1949. Republished Feb. 21. Class 6.

Michigan Chemical Corporation, St. Louis, Mich. Insecticide. 442,099, Feb. 22, 1949. Republished Feb. 21. Class 6.

Mickelberry's Food Products Company, Chicago, Ill. Hams, bacon, lard, etc. 521,094, Feb. 21; Serial No. 527,257, published Nov. 15, 1949. Class 46.

Miller, L. J., Company, Chicago, Ill. Rebuilt hydraulic brake cylinder assemblies and brake shoes. 521,303, Feb. 21; Serial No. 566,993, published Nov. 15, 1949. Class 19.

Miller Art Mfg. Co.: *See*—
Miller, Morris.

Miller, Morris, doing business as Miller Art Mfg. Co., New York, N. Y. Combined shirt and pantie for children. 521,304, Feb. 21; Serial No. 567,420, published Nov. 8, 1949. Class 39.

Millers Falls Company, Greenfield, Mass. Electric portable drills, electric screw drivers, electric portable grinders, etc. 255,562, Apr. 23, 1929. Republished Feb. 21. Class 21.

Millers Falls Company, Greenfield, Mass. Hack saw blades. 309,046, Dec. 26, 1933. Republished Feb. 21. Class 23.

Milward, Henry, & Sons Limited, to Needle Industries Limited, Redditch, England. Needles for hand sewing. 75,120, re-renewed Sept. 7, 1949. O. G. Feb. 21. Class 40.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Footwear. 521,107, Feb. 21; Serial No. 531,819, published Feb. 22, 1949. Class 39.

Mitten, Frank P., Redlands, Calif. Font assortments of letters and figures and illustrating accessories. 521,366–7, Feb. 21; Serial Nos. 565,069–70. Class 50.

Modern Carpet Sweeper Co., Inc., Brooklyn, N. Y. Mechanical carpet sweepers. 521,222, Feb. 21; Serial No. 558,573, published Nov. 1, 1949. Class 23.

Modern Food Products Company, San Francisco, Calif. Canned crabmeat. 521,375, Feb. 21; Serial No. 570,866. Class 46.

Mojud Hosiery Co., Inc., Long Island City, N. Y. Hosiery. 521,110, Feb. 21; Serial No. 532,855, published Nov. 15, 1949. Class 39.

Montpelier Manufacturing Co., The, Montpelier, Ohio. Bodies for motor vehicles. 521,316, Feb. 21; Serial No. 571,736, published Nov. 15, 1949. Class 19.

Montpelier Manufacturing Co., The, Montpelier, Ohio. Motor delivery trucks and structural parts thereof. 521,317, Feb. 21; Serial No. 571,737, published Nov. 15, 1949. Class 19.

Moore-Day Motors, Inc., Washington, D. C. Second-hand and used motor vehicles. 521,278, Feb. 21; Serial No. 564,518, published Nov. 8, 1949. Class 19.

Moore, William S., doing business as Moore's of Ohio, Newark, Ohio. Automobile seat covers and bicycles. 521,086, Feb. 21; Serial No. 518,616, published Nov. 15, 1949. Class 19.

Moore's of Ohio: *See*—
Moore, William S.

Morse Distributing Corp., Brooklyn, N. Y. Sewing machines. 521,191, Feb. 21; Serial No. 553,628, published Nov. 8, 1949. Class 23.

Muir, E. O., and Company, Salt Lake City, Utah. Fresh deciduous fruits and fresh vegetables. 521,376, Feb. 21; Serial No. 570,904. Class 46.

Munsingwear, Inc., Minneapolis, Minn. Women's nightgowns and pajamas. 441,405, Nov. 23, 1948. Republished Feb. 21. Class 39.

Muskegon Motor Specialties Company, Muskegon, Mich. Cam shafts. 521,270, Feb. 21; Serial No. 563,209, published Nov. 1, 1949. Class 23.

Mutual Shoe Company, Marlboro, Mass. Women's and misses' shoes. 521,239, Feb. 21; Serial No. 560,495, published Nov. 1, 1949. Class 39.

Mutual Stores, Inc., by Salem Commodities, Incorporated, Oakland, Calif. Pure sage honey, relish spread, canned fish, etc. 252,009, Jan. 22, 1929. Republished Feb. 21. Class 46.

National Cylinder Gas Company, Chicago, Ill. Tools used by welders. 521,159, Feb. 21; Serial No. 545,514, published Nov. 8, 1949. Class 23.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 521,264, Feb. 21; Serial No. 562,873, published Nov. 8, 1949. Class 39.

Neatform Co. Inc., The, New York, N. Y. Foundation garments, girdles, and brassières. 521,097, Feb. 21; Serial No. 528,305, published Nov. 8, 1949. Class 39.

Needle Industries Limited: *See*—
Milward, Henry, & Sons Limited.

New Jersey Zinc Company, The, New York, N. Y. Zinc oxide. 521,196, Feb. 21; Serial No. 554,691, published Nov. 1, 1949. Class 6.

New Method Equipment Company, Indianola, Iowa. Farm machinery. 521,111, Feb. 21; Serial No. 533,427, published Oct. 18, 1949. Class 23.

Newport Industries, Inc., Pensacola, Fla. Turpentine. 521,145, Feb. 21; Serial No. 543,976, published Oct. 25, 1949. Class 16.

Nocatee-Manatee Crate Company: *See*—
Manatee Crate Company, Inc.

Nolde and Horst Company, The, Reading, Pa. Hosiery. 521,160, Feb. 21; Serial No. 545,758, published Nov. 8, 1949. Class 39.

Norbest Turkey Growers Association, Salt Lake City, Utah. Frozen, fresh, cut-up dressed poultry. 521,368, Feb. 21; Serial No. 566,300. Class 46.

Norin, Jack, Co.: *See*—
Norin, Jack.

Norin, Jack, doing business as Jack Norin Co., Baltimore, Md. Enamel paints. 521,326, Feb. 21; Serial No. 502,448. Class 16.

Norman Products Company, Columbus, Ohio. An oil and gas-fired conversion burner. 521,357, Feb. 21; Serial No. 554,246. Class 34.

North American Refractories Company, Cleveland, Ohio. Fire clay and calcined fire clay. 265,489, renewed Dec. 31, 1949. O. G. Feb. 21. Class 1.

Northshire Bakers, Paterson, N. J. Cracker wafers, croutons, and chow mein noodles. 443,773, Feb. 21; Serial No. 525,236, published Nov. 15, 1949. Class 46.

Nutrine Candy Company, Chicago, Ill. Candy. 521,088, Feb. 21; Serial No. 520,888, published Nov. 8, 1949. Class 46.

Oakleaf Mills, to Callaway Mills Company, La Grange, Ga. Industrial wiping cloths. 264,695, renewed Dec. 3, 1949. O. G. Feb. 21. Class 29.

Oberman & Company, Jefferson City, Mo., and New York, N. Y. Trousers, men's and boys' outershirts, and jackets. 521,123, Feb. 21; Serial No. 537,226, published Nov. 8, 1949. Class 39.

Oster Manufacturing Company, The, Cleveland, Ohio. Die stocks. 77,559, re-renewed Apr. 19, 1950. O. G. Feb. 21. Class 23.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Internal-combustion-engine-powered outboard motors and parts. 521,164, Feb. 21; Serial No. 546,422, published Nov. 15, 1949. Class 23.

Pan American Petroleum & Transport Company, Wilmington, Del., to Pan American Petroleum & Transport Company, New York, N. Y. Gasoline and lubrication oils and greases. 267,145, renewed Feb. 11, 1950. O. G. Feb. 21. Class 15.

PanAmEx Corporation, Beverly Hills, Calif. Razor blades. 521,260, Feb. 21; Serial No. 562,219, published Nov. 15, 1949. Class 23.

Paragon Gear Works, Inc., Taunton, Mass. Transmission gears, reverse gears, reduction gears, and clutches. 521,237, Feb. 21; Serial No. 560,419, published Nov. 8, 1949. Class 23.

Parke, Davis & Co., to Parke, Davis & Company, Detroit, Mich. Cardio-vascular stimulants and diuretics. 76,722, re-renewed Feb. 8, 1950. O. G. Feb. 21. Class 18.

Parke, Davis & Company: *See*—
Parke, Davis & Co.

Parke, Davis & Company, Detroit, Mich. Artificially flavored aspirin tablets. 521,225, Feb. 21; Serial No. 559,321, published Nov. 1, 1949. Class 18.

Parkitsafe Company, Miami Beach, Fla. Ash trays. 521,175, Feb. 21; Serial No. 549,269, published Aug. 30, 1949. Class 8.

Peerless Mills Co. of New York, Inc., New York, N. Y. Textile fabrics in the piece. 521,374, Feb. 21; Serial No. 570,629. Class 42.

Peerless Woolen Mills, Rossville, Ga. Piece goods. 521,150–5, Feb. 21; Serial Nos. 544,600–5, published Nov. 15, 1949. Class 42.

Pennino Bros., Inc., New York, N. Y. Watches, watch cases. 521,379, Feb. 21; Serial No. 572,684. Class 27.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. 521,190, Feb. 21; Serial No. 553,397, published Oct. 25, 1949. Class 39.

Pettibone Mulliken Corporation, Chicago, Ill. Clamshell buckets; railway switches and parts thereof; switch stands, etc. 521,093, Feb. 21; Serial No. 524,254, published Nov. 1, 1949. Class 23.

Pfeiffer Chemical Company, New York, N. Y., assignor to Standard Laboratories, Inc. Antiseptic ointment. 443,703, Feb. 21; Serial No. 483,696. Class 18.

Pfening, Fred D., Company, The: *See*—
Pfening, Frederic D.

Pfening, Frederic D., doing business as The Fred D. Pfening Company, Columbus, Ohio. Combined liquid dispensing and measuring apparatus. 261,991, renewed Sept. 24, 1949. O. G. Feb. 21. Class 26.

Pharma-Craft Corporation, The, New York, N. Y. Deodorant and antiperspirant. 521,079, Feb. 21; Serial No. 508,242, published Oct. 25, 1949. Class 51.

Phelps, Phoebe, Caramel Company, Inc., Boston, Mass. Candy. 521,115, Feb. 21; Serial No. 534,671, published Nov. 15, 1949. Class 46.

Pierce, C. S., Company, Brockton, Mass. Shoe trees. 521,331, Feb. 21; Serial No. 511,287. Class 50.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 443,510, Nov. 1, 1949. Republished Feb. 21. Class 46.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Dusting brushes and scrubbing brushes. 521,197, Feb. 21; Serial No. 554,700, published Nov. 22, 1949. Class 29.

Placentia Orchard Company, Fullerton, Calif. Fresh citrus fruits. 521,286, Feb. 21; Serial No. 565,455, published Nov. 1, 1949. Class 46.

Placier, Don H., doing business as Placier's, Chillicothe, Ohio. Dry ready-mixed and paste paints, varnishes, linseed oil, etc. 521,372, Feb. 21; Serial No. 569,714. Class 16.

Placier's: *See*—
Placier, Don H.

Plomb Tool Company, Los Angeles, Calif. Large tool chest on wheels. 517,597, Nov. 15, 1949. Amended. O. G. Feb. 21. Class 19.

Plymouth Rubber Company, Inc., Canton, Mass. Rubber soles for shoes. 521,258, Feb. 21; Serial No. 561,943, published Nov. 8, 1949. Class 39.

Polk, J. T., Company: *See*—
Sears & Nichols Corporation, The.

Polk Miller Products Corporation, Richmond, Va. Household disinfectant; dog care products. 521,242, Feb. 21; Serial No. 560,567, published Nov. 15, 1949. Class 6.

Ponemah Mills, Taftville, Conn. Rayon piece goods. 521,360, Feb. 21; Serial No. 555,956. Class 42.

Poor, Edward E., Jr., doing business as Amherst Blanket Company, Northampton, Mass. Non-skid rug underlays. 521,351, Feb. 21; Serial No. 550,167. Class 50.

Porto Company, The, Fort Worth, Tex. Tooth brushes. 521,212, Feb. 21; Serial No. 557,386, published Nov. 22, 1949. Class 29.

Post Baby Products, Los Angeles, Calif. Boys' and girls' play suits, panties, trunks, etc. 521,230, Feb. 21; Serial No. 559,860, published Oct. 25, 1949. Class 39.

Primo Polish Manufacturing Company: *See*—
Rutter, Elizabeth S.

Queensland Meat Export Company, Limited, Brisbane, Australia. Hams; bacon; butter; etc. 443,765, Feb. 21; Serial No. 500,772, published Nov. 15, 1949. Class 46.

Rainfair, Inc., Racine, Wis. Rain topcoats for use by men and boys. 521,210, Feb. 21; Serial No. 557,066, published Nov. 8, 1949. Class 39.

Randolph Marketing Company, Riverside and Los Angeles, to Marshall Anderson, Los Angeles, Calif. Fresh vegetables. 266,831, renewed Feb. 4, 1950. O. G. Feb. 21. Class 46.

Rathborne, Hair & Ridgway Company, Chicago, Ill. Pallets. 521,130, Feb. 21; Serial No. 540,107, published Oct. 4, 1949. Class 50.

Raytheon Manufacturing Company, Newton, Mass. Radar apparatus. 521,083, Feb. 21; Serial No. 509,792, published Oct. 11, 1949. Class 26.

Rayflex Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 521,320, Feb. 21; Serial No. 573,263, published Nov. 1, 1949. Class 42.

Rayflex Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 521,378, Feb. 21; Serial No. 571,291. Class 42.

Reed, E. P., & Co., Rochester, N. Y. Shoes. 269,014, renewed Mar. 25, 1950. O. G. Feb. 21. Class 39.

Reed, R. S., Corporation, Three Rivers, Mich. Hand trucks. 521,172, Feb. 21; Serial No. 548,996, published Nov. 15, 1949. Class 19.

Rianda, S., doing business as S. Rianda Packing Co., Salinas, Calif. Fresh vegetables. 521,341, Feb. 21; Serial No. 523,803. Class 46.

Rianda, S., Packing Co.: *See*—
Rianda, S.

Rich, Hyman R., doing business as The Rid-All Laboratories, Chicago, Ill. Insecticides, bactericides, and preparations for pest control. 521,085, Feb. 21; Serial No. 515,792, published Nov. 1, 1949. Class 6.

Rid-All Laboratories, The: *See*—
Rich, Hyman R.

Roberts, Clark L., doing business as Valley Mound Supply Company, Nampa, Idaho. Agricultural implements. 443,770, Feb. 21; Serial No. 514,497, published Oct. 25, 1949. Class 23.

Roberts Paint Corporation, New York, N. Y. Paints; primers, sealers; etc. 521,265, Feb. 21; Serial No. 562,885, published Nov. 8, 1949. Class 16.

Rochester Shoe Tree Co., Inc., Rochester, N. Y. Shoe trees. 521,120, Feb. 21; Serial No. 536,290, published Nov. 1, 1949. Class 50.

Rocket Implement Co., Inc., Clearwater, Calif. Offset disc harrows. 521,119, Feb. 21; Serial No. 536,137, published Oct. 4, 1949. Class 23.

Rossmoyne Processing Corporation, Rossmoyne, Pa. Feed supplement for poultry and livestock. 521,345, Feb. 21; Serial No. 531,847. Class 46.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 443,771, Feb. 21; Serial No. 518,172, published Nov. 8, 1949. Class 39.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 521,165, Feb. 21; Serial No. 546,514, published Nov. 8, 1949. Class 39.

Rubin, Isidore J., New York, N. Y. Women's, misses', and girls' rain coats, overcoats, sport coats, etc. 521,198, Feb. 21; Serial No. 554,713, published Nov. 8, 1949. Class 39.

Rugg, E. T., Company, The, Newark, Ohio. Lawn mowers. 521,219, Feb. 21; Serial No. 558,248, published Oct. 4, 1949. Class 23.

Russell Hosiery Mills, Inc., Star, N. C. Hosiery. 521,268, Feb. 21; Serial No. 563,010, published Nov. 8, 1949. Class 39.

Russell, John K., doing business as Russell Lure Co., assignor to Russelure Mfg. Co., Inc., Los Angeles, Calif. Artificial fish lures. 521,338, Feb. 21; Serial No. 522,553. Class 22.

Russell Lure Co.: *See*—
Russell, John K.

Russelure Mfg. Co., Inc.: *See*—
Russell, John K.

Rutter, Elizabeth S., doing business as Primo Polish Manufacturing Company, Westfield, Mass. Jeweler's polishing pads and wheels. 521,223, Feb. 21; Serial No. 558,668, published Nov. 1, 1949. Class 4.

S and P Sales Company, Seattle, Wash. Canned fish. 521,293, Feb. 21; Serial No. 565,816, published Nov. 1, 1949. Class 46.

Saco-Lowell Shops, Boston, Mass. Textile machinery and parts thereof. 521,142, Feb. 21; Serial No. 542,664, published Nov. 1, 1949. Class 23.

Salem Commodities, Incorporated: *See*—
Mutual Stores, Inc.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Liquid and solid preparations for the treatment and control of coccidiosis and fowl cholera. 521,299, Feb. 21; Serial No. 566,246, published Oct. 11, 1949. Class 18.

San Loo, Inc., St. Louis, Mo. Women's and misses' shoes. 521,259, Feb. 21; Serial No. 562,086, published Nov. 1, 1949. Class 39.

Sanges, Vincent, Inc., Gloversville, N. Y. Men's and women's gloves. 521,358, Feb. 21; Serial No. 554,421. Class 39.

Savory, H. L., & Company, Limited: *See*—
Savory, Harry L.

Savory, Harry L., to H. L. Savory & Company, Limited, London, England. Cigarettes. 32,973, re-renewed May 30, 1949. O. G. Feb. 21. Class 17.

Schneider, S., & Sons, New York, N. Y. Baby boy suits. 521,371, Feb. 21; Serial No. 568,539. Class 39.

Schneider's Oyster Co. Inc., Buffalo, N. Y. Fresh oysters. 521,103, Feb. 21; Serial No. 530,257, published Nov. 15, 1949. Class 46.

Sears & Nichols Corporation, The, doing business as J. T. Polk Company, Chillicothe, Ohio, to Ladoga Canning Company, Indianapolis, Ind. Canned vegetables, tomato catsup, and chili sauce. 262,270, renewed Oct. 1, 1949. O. G. Feb. 21. Class 46.

Sears & Nichols Corporation, The, Chillicothe, Ohio, to United Foods, Inc., Chicago, Ill. Canned vegetables, catsup, and chili sauce. 262,702, renewed Oct. 22, 1949. O. G. Feb. 21. Class 46.

Sears, Roebuck and Co., Chicago, Ill., by E-Z Mills, Inc., New York, N. Y. Hosiery. 360,834, Sept. 27, 1938. Republished Feb. 21. Class 39.

Selby Shoe Company, The, Portsmouth, Ohio. Women's shoes. 521,156, Feb. 21; Serial No. 544,644, published Nov. 8, 1949. Class 39.

Sewell Manufacturing Company, Bremen, Ga. Men's clothing. 521,262, Feb. 21; Serial No. 562,584, published Nov. 8, 1949. Class 39.

Sharp & Dohme, Incorporated, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Scientific preparation. 268,655, renewed Mar. 18, 1950. O. G. Feb. 21. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. General tonic for human use. 521,158, Feb. 21; Serial No. 544,919, published Sept. 6, 1949. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial suspension. 521,282, Feb. 21; Serial No. 565,140, published Nov. 1, 1949. Class 18.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Writing fluids. 521,096, Feb. 21; Serial No. 527,919, published Nov. 22, 1949. Class 11.

Sheffield Bronze Paint Corp., The, Cleveland, Ohio. Oil paints, oil enamels, varnishes and oil colors. 521,283, Feb. 21; Serial No. 565,142, published Nov. 8, 1949. Class 16.

Shepord, Maurice, New York, N. Y. Plastic coverings. 521,247, Feb. 21; Serial No. 560,931, published Nov. 1, 1949. Class 50.

Shuptrine Co., to Shuptrine Company, Savannah, Ga. Preparation for ringworm, itch, and parasitic skin diseases. 265,140, renewed Dec. 17, 1949. O. G. Feb. 21. Class 18.

Shuptrine Company: *See*—
Shuptrine Co.

Siegel-Land Manufacturing Corp., Jersey City, N. J. Chairs and seats. 521,220, Feb. 21; Serial No. 559,645, published Nov. 1, 1949. Class 32.

Siegert, Dr. J. G. B., & Hijos, by Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited, Port of Spain, Trinidad. Bitters. 63,312, June 11, 1907. Republished Feb. 21. Class 18.

Sigma Tau, Lincoln, Nebr. Pins, keys, and medals. 255,471, Apr. 23, 1929. Republished Feb. 21. Class 28.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Cotton print cloth. 521,364, Feb. 21; Serial No. 564,224. Class 42.

Skylon Corporation, New York, N. Y. Ladies', misses', and girls' slips, pajamas, bed jackets, etc. 521,306, Feb. 21; Serial No. 567,885, published Nov. 8, 1949. Class 39.

Smith, Albert D., & Co., Inc., New York, N. Y. Book cloth in the piece. 439,521, July 6, 1948. Republished Feb. 21. Class 42.

Smith, Edward, & Co., Inc., New York, N. Y. Paint. 521,173, Feb. 21; Serial No. 549,021, published June 28, 1949. Class 16.

Smith, Edward, & Co., Inc., New York, N. Y. Interior varnish. 521,174, Feb. 21; Serial No. 549,022, published June 7, 1949. Class 16.

Smith, J. W., & Sons, doing business as Smithson, to Jos. W. Smith & Sons, New York, N. Y. Men's and boys' suits, topcoats, and overcoats. 247,086, renewed Sept. 18, 1949. O. G. Feb. 21. Class 39.

Smith, Jos. W., & Sons: *See*—
Smith, J. W., & Sons.

Smith, T. L., Company, The, Milwaukee, Wis. Contractors' tilting and non-tilting mixers, glass and fertilizer mixers. 137,462, Nov. 23, 1920. Republished Feb. 21. Class 23.

Smithson: *See*—
Smith, J. W., & Sons.

Snag-less Sinker Company: *See*—
Young, Leslie E.

Snap-On Tools Corporation: *See*—
Blue Point Tool Company.
Snap-On Wrench Company.

Snap-On Wrench Company, Chicago, Ill., to Snap-On Tools Corporation, Kenosha, Wis. Wrenches, wrench sets, wrench sockets, etc. 267,881, renewed Mar. 4, 1950. O. G. Feb. 21. Class 23.

Snyder Chemical Corporation, Bethel, Conn. Synthetic resin compositions. 521,340, Feb. 21; Serial No. 523,548. Class 1.

South Seas Trading Corp., New York, N. Y. Women's slips, night gowns and underwear. 443,776, Feb. 21; Serial No. 525,968, published Jan. 27, 1948. Class 39.

Speaker, J. W., Corporation, Milwaukee, Wis. Tire tube patch and valve stem vulcanizing kits. 521,089, Feb. 21; Serial No. 521,308, published Oct. 18, 1949. Class 23.

Springfield Company, The: *See*—
Wood, Joseph T., Company.

Springfield Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Standard Brands Incorporated, New York, N. Y. Powdered whole milk. 521,321, Feb. 21; Serial No. 570,843, published Nov. 1, 1949. Class 46.

Standard Electric Manufacturing Company, West Berlin, N. J. Centrifugal pumps, water circulators and water pumps. 521,108, Feb. 21; Serial No. 531,858, published Oct. 4, 1949. Class 23.

Standard Laboratories, Inc.: *See*—
Pfeiffer Chemical Company.

Standard Motor Company Limited, The, Coventry, England. Automobiles, trucks, and vans. 521,318, Feb. 21; Serial No. 571,749, published Nov. 15, 1949. Class 19.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Embossing and printing machines and parts thereof. 521,271, Feb. 21; Serial No. 563,642, published Nov. 15, 1949. Class 23.

Steel-Craft Letter Company: *See*—
Cohen, William H.

Stieff Company, The, Baltimore, Md., and Richmond, Va., to The Stieff Company, Baltimore, Md. Toilet articles, tableware, hollow ware, and flatware. 265,811, renewed Jan. 7, 1950. O. G. Feb. 21. Class 28.

Superb Glove Company, The, Johnstown, N. Y. Ladies' and men's fabric gloves. 521,377, Feb. 21; Serial No. 571,239. Class 39.

Sweeney, W. R., Mfgr., Salisbury, Mo. Poisonous insecticide. 521,149, Feb. 21; Serial No. 544,476, published Sept. 21, 1948. Class 6.

Symington-Gould Corporation, The, Rochester and Depew, N. Y. Journal boxes, journal box lids, side bearings and snubbers. 521,098, Feb. 21; Serial No. 528,897, published Nov. 8, 1949. Class 19.

Tappan Stove Company, The, Mansfield, Ohio. Ovens and oven liners. 521,353, Feb. 21; Serial No. 550,857. Class 34.

Taylor, Frank F., Company, The, Norwood, Ohio. Bicycles, strollers, and walker strollers. 521,136, Feb. 21; Serial No. 541,603, published Nov. 15, 1949. Class 19.

Taylor, W. A., New York, N. Y. Neckties and lounging, beach, and bath robes, scarves, handkerchiefs, etc. 521,355, Feb. 21; Serial No. 551,747. Class 39.

Tennessee Glove Company, Tullahoma, Tenn. Fabric work gloves. 521,091, Feb. 21; Serial No. 522,212, published Nov. 8, 1949. Class 39.

Texlee Mills, Inc., Opa Locka, Fla. Ladies', children's and men's polo shirts and tee shirts. 521,263, Feb. 21; Serial No. 562,737, published Nov. 1, 1949. Class 39.

Tex-O-Kan Flour Mills Co., doing business as Burrus Mill & Elevator Co., Fort Worth, Tex. Wheat flour. 521,240, Feb. 21; Serial No. 560,504, published Oct. 18, 1949. Class 46.

Tissue Organics, Inc., New York, N. Y. Whole raw duodenal tissue, desiccated and defatted. 521,289, Feb. 21; Serial No. 565,662, published Nov. 1, 1949. Class 18.

United Aircraft Corporation, East Hartford, Conn. Aircraft propellers, parts and attachments therefor. 521,215, Feb. 21; Serial No. 557,640, published Nov. 8, 1949. Class 19.

United Co-Operatives, Inc., Alliance, Ohio. Poultry feeders and stationary poultry drinking fountains. 521,313, Feb. 21; Serial No. 570,338, published Nov. 1, 1949. Class 50.

United Foods, Inc.: *See*—
Sears & Nichols Corporation, The.

United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. 521,178–9, Feb. 21; Serial Nos. 550,864–5, published Nov. 8, 1949. Class 17.

United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. 521,180, Feb. 21; Serial No. 550,868, published Nov. 8, 1949. Class 17.

United States Tobacco Company, Flemington, N. J., and New York, N. Y. Smoking tobacco. 521,181, Feb. 21; Serial No. 550,870, published Nov. 8, 1949. Class 17.

Universal Fountain Brush Co., St. Petersburg, Fla. Felt-tipped fountain marker. 521,336, Feb. 21; Serial No. 519,784. Class 29.

Utility Co., Inc., The, New York, N. Y. Detergent. 521,114, Feb. 21; Serial No. 534,489, published Oct. 18, 1949. Class 52.

Valley Fruit Canning Co.: *See*—
Hodle, R. D., Co.

Valley Mound Supply Company: *See*—
Roberts, Clark L.

Vinson, Harold S., doing business as Crystal Studio, Ottumwa, Iowa, to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Packaged confectionery. 269,399, renewed Apr. 8, 1950. O. G. Feb. 21. Class 46.

Virginia-Carolina Chemical Corporation, Richmond, Va. Hand cleanser. 521,218, Feb. 21; Serial No. 558,184, published Oct. 25, 1949. Class 52.

Waples-Platter Company, doing business as Great Western Foods Company, Fort Worth, Tex. Coffee, canned pinto beans, beef fat, etc. 521,081, Feb. 21; Serial No. 508,633, published Nov. 15, 1949. Class 46.

Ware Valley Manufacturing Co., Inc., Ware, Mass., and New York, N. Y., by E-Z Mills, Inc., New York, N. Y. Knitted underwear for men and boys. 356,721, May 10, 1938. Republished Feb. 21. Class 39.

Warner, William R., & Co., Inc.: *See*—
Waterbury Chemical Company, Inc.

Waterbury Chemical Company, Inc., to William R. Warner & Co., Inc., New York, N. Y. Medicines and pharmaceutical preparations. 269,302, renewed Apr. 1, 1950. O. G. Feb. 21. Class 18.

Weber Costello Co., Chicago Heights, Ill. Writing boards. 521,311, Feb. 21; Serial No. 570,137, published Nov. 1, 1949. Class 50.

Weber Metals Corporation, Bronx, N. Y., now by change of name Cigalite Flint Corporation. Flints. 517,716, Nov. 22, 1949. Corrected. O. G. Feb. 21. Class 8.

Wegman, S. J., Company, New York, N. Y. Brassières. 521,301, Feb. 21; Serial No. 566,736, published Oct. 25, 1949. Class 39.

Whistling Oyster, The, Ogunquit, Maine. Neckties. 521,277, Feb. 21; Serial No. 564,491, published Nov. 1, 1949. Class 39.

White, Ed, Junior Shoe Company, Paragould, Ark. Boys' and girls' shoes. 521,343, Feb. 21; Serial No. 529,511. Class 39.

Whitehead Stamping Company, Detroit, Mich. Rear-view automobile mirrors. 521,127, Feb. 21; Serial No. 539,250, published Nov. 15, 1949. Class 19.

Whiteley, William, & Co. Inc., Dover, Del. Whiskey. 521,251, Feb. 21; Serial No. 561,165, published Nov. 22, 1949. Class 49.

Whiting Milk Company, Charlestown, Mass. Cheese. 521,300, Feb. 21; Serial No. 566,679, published Nov. 8, 1949. Class 46.

Whitman, Stephen F., & Son, Inc.: *See*—
Vinson, Harold S.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 521,290, Feb. 21; Serial No. 565,669, published Nov. 1, 1949. Class 46.

Williams Oil-O-Matic Heating Corporation, to Eureka Williams Corporation, Bloomington, Ill. Automatic electrically controlled and operated fuel heating systems. 269,277, renewed Apr. 1, 1950. O. G. Feb. 21. Class 34.

Williamson Products Corp., Brooklyn, N. Y. Masonry wall coating of paintlike material. 521,344, Feb. 21; Serial No. 529,512. Class 16.

Willing Co., The, Kansas City, Mo. Metal container with a removable handle. 521,362, Feb. 21; Serial No. 560,075. Class 13.

Winter Garden Citrus Products Cooperative, Winter Garden, Fla. Canned fruits and vegetables. 420,868, May 7, 1946. Amended. O. G. Feb. 21. Class 46.

Wood Flong Corporation, Hoosick Falls, N. Y. Dry mats. 521,112, Feb. 21; Serial No. 533,814, published Oct. 4, 1949. Class 50.

Wood, Joseph T., Company, Ware, Mass., assignor to The Springfield Company, Springfield, Mass. Athletic shoes. 521,232, Feb. 21; Serial No. 560,146, published Oct. 11, 1949. Class 39.

Woolf Brothers, Inc., Kansas City, Mo. Men's and boys' textile-fabric underwear. 521,253, Feb. 21; Serial No. 561,428, published Nov. 15, 1949. Class 39.

Woolf Brothers, Inc., Kansas City, Mo. Men's and boys' clothing. 521,254, Feb. 21; Serial No. 561,429, published Oct. 25, 1949. Class 39.

Wyeth Incorporated: *See*—
Wyeth, John, & Brother, Incorporated.

Wyeth, John, & Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Medicinal plastic pill. 70,476, re-renewed Jan. 18, 1950. O. G. Feb. 21. Class 18.

Young Iron Works, Inc., Seattle, Wash. Logging and rigging equipment. 521,105, Feb. 21; Serial No. 531,570, published Nov. 8, 1949. Class 23.

Young, Leslie E., doing business as The Snag-less Sinker Company, Cincinnati, Ohio. Fishing line sinkers. 521,325, Feb. 21; Serial No. 499,455. Class 22.

Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. 521,348, Feb. 21; Serial No. 542,986. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fire clay and calcined fire clay. North American Refractories Company. 265,489, renewed Dec. 31, 1949. O. G. Feb. 21.

Resin compositions, Synthetic. Snyder Chemical Corporation. 521,340, Feb. 21; Serial No. 523,548.

Skins, Dyed lamb fur. Beavertone Fur Process Corp. 521,337, Feb. 21; Serial No. 520,924.

CLASS 2

Hampers, Fruit and vegetable. Manatee Crate Company, Inc. 269,602, renewed Apr. 15, 1950. O. G. Feb. 21.

CLASS 4

Pads and wheels, Jeweler's polishing. E. S. Rutter. 521,223, Feb. 21; Serial No. 558,668, published Nov. 1, 1949.

Polish, Floor. The Fuller Brush Company. 521,171, Feb. 21; Serial No. 548,948, published Oct. 18, 1949.

Wax, Liquid and paste, sealer. Breuer Electric Mfg. Co. 521,281, Feb. 21; Serial No. 565,038, published Oct. 18, 1949.

CLASS 6

Chemical compound. G. Gunn. 266,384, renewed Jan. 14, 1950. O. G. Feb. 21.

Compound containing chlorobromomethane. Michigan Chemical Corporation. 443,179, Aug. 2, 1949. Republished Feb. 21.

Disinfectant, Household; dog care products, etc. Polk Miller Products Corporation. 521,242, Feb. 21; Serial No. 560,567, published Nov. 15, 1949.

Dyes, Coal-tar. Geigy Company, Inc. 264,241–2, renewed Nov. 19, 1949. O. G. Feb. 21.

Dyestuffs, lakes, and chemical products suitable for dyeing purposes. Geigy Company, Inc. 263,767, renewed Nov. 12, 1949. O. G. Feb. 21.

Fly spray. The R. M. Hollingshead Co. 262,030, renewed Sept. 24, 1949. O. G. Feb. 21.

Hormone, Male sex. Horton & Converse. 515,521, Sept. 27, 1949. Corrected. O. G. Feb. 21.

Insecticide. Michigan Chemical Corporation. 442,099, Feb. 22, 1949. Republished Feb. 21.

Insecticides, bactericides, and preparations for pest control. H. R. Rich. 521,085, Feb. 21; Serial No. 515,792, published Nov. 1, 1949.

Insecticide, Poisonous. W. R. Sweeney Mfgr. 521,149, Feb. 21; Serial No. 544,476, published Sept. 21, 1948.

Zinc oxide. The New Jersey Zinc Company. 521,196, Feb. 21; Serial No. 554,691, published Nov. 1, 1949.

CLASS 8

Ash trays. Parkitsafe Company. 521,175, Feb. 21; Serial No. 549,269, published Aug. 30, 1949.

Flints. Weber Metals Corporation. 517,716, Nov. 22, 1949. Corrected. O. G. Feb. 21.

CLASS 11

Writing fluids. W. A. Sheaffer Pen Company. 521,096, Feb. 21; Serial No. 527,919, published Nov. 22, 1949.

CLASS 12

Hygroscopic composition. Michigan Chemical Corporation. 440,847, Oct. 5, 1948. Republished Feb. 21.

CLASS 13

Clamps, Metal. Diamond Expansion Bolt Co. 264,204, Nov. 19, 1929. Republished Feb. 21.

Container with a removable handle, Metal. The Willing Co. 521,362, Feb. 21; Serial No. 560,075.

Sinks, Metal. Elkay Manufacturing Company. 521,330, Feb. 21; Serial No. 510,073.

CLASS 14

Zinc alloy. Illinois Zinc Company. 268,273, renewed Mar. 11, 1950. O. G. Feb. 21.

CLASS 15

Gasoline and lubrication oils and greases. Pan American Petroleum & Transport Company. 267,145, renewed Feb. 11, 1950. O. G. Feb. 21.

Petroleum and products of petroleum. Magnolia Petroleum Company. 266,339, renewed Jan. 14, 1950. O. G. Feb. 21.

CLASS 16

Coating of paintlike material, Masonry wall. Williamson Products Corp. 521,344, Feb. 21; Serial No. 529,512.

Lacquers, Nitrate cellulose. Coating Materials Laboratories, Inc. 521,092, Feb. 21; Serial No. 522,882, published Mar. 15, 1949.

Paint. Edward Smith & Co., Inc. 521,173, Feb. 21; Serial No. 549,021, published June 28, 1949.

Paint, Interior, outside paint, paint enamels, varnishes, etc. Forman, Ford and Co. 521,204, Feb. 21; Serial No. 555,495, published Nov. 8, 1949.

Paints, Dry ready-mixed and paste, varnishes, linseed oil, etc. D. H. Placier. 521,372, Feb. 21; Serial No. 569,714.

Paints, Enamel. J. Norin. 521,326, Feb. 21; Serial No. 502,448.

Paints, Oil, oil enamels, varnishes, and oil colors. The Sheffield Bronze Paint Corp. 521,283, Feb. 21; Serial No. 565,142, published Nov. 8, 1949.

Paints; primers, sealers; etc. Roberts Paint Corporation. 521,265, Feb. 21; Serial No. 562,885, published Nov. 8, 1949.

Turpentine. Newport Industries, Inc. 521,145, Feb. 21; Serial No. 543,976, published Oct. 25, 1949.

Varnish, Interior. Edward Smith & Co., Inc. 521,174, Feb. 21; Serial No. 549,022, published June 7, 1949.

CLASS 17

Cigarettes. H. L. Savory. 32,973, re-renewed May 30, 1949. O. G. Feb. 21.

Cigars, cigarettes, cheroots, etc. John Alden Tobacco Co. 521,249, Feb. 21; Serial No. 561,065, published Nov. 8, 1949.

Snuff. United States Tobacco Company. 521,178–9, Feb. 21; Serial Nos. 550,864–5, published Nov. 8, 1949.

Snuff. United States Tobacco Company. 521,180, Feb. 21; Serial No. 550,868, published Nov. 8, 1949.

Tobacco, Smoking. United States Tobacco Company. 521,181, Feb. 21; Serial No. 550,870, published Nov. 8, 1949.

Tobacco, Smoking. The American Tobacco Company. 521,294, Feb. 21; Serial No. 565,900, published Nov. 8, 1949.

CLASS 18

Antibacterial suspension. Sharpe & Dohme, Incorporated. 521,282, Feb. 21; Serial No. 565,140, published Nov. 1, 1949.
Bitters. Dr. J. G. B. Siegert & Hijos. 63,312, June 11, 1907. Republished Feb. 21.
Carminative-antacid corrective for stomach distress. The A. H. Lewis Medicine Co. 268,593, renewed Mar. 18, 1950. O. G. Feb. 21.
Duodenal tissue, Whole raw, desiccated and defatted. Tissue Organics, Inc. 521,289, Feb. 21; Serial No. 565,662, published Nov. 1, 1949.
Elixir, Aromatic. Abbott Laboratories. 521,166, Feb. 21; Serial No. 548,221, published Nov. 1, 1949.
Medicines and pharmaceutical preparations. Waterbury Chemical Company, Inc. 269,302, renewed Apr. 1, 1950. O. G. Feb. 21.
Ointment, Antiseptic. Pfeiffer Chemical Company. 443,763, Feb. 21; Serial No. 483,696.
Pill, Medicinal plastic. John Wyeth & Brother, Incorporated. 76,476, re-renewed Jan. 18, 1950. O. G. Feb. 21.
Preparation for ringworm, itch, and parasitic skin diseases. Shuptrine Co. 265,140, renewed Dec. 17, 1949. O. G. Feb. 21.
Preparations for the treatment and control of coccidiosis and fowl cholera, Liquid and solid. Dr. Salsbury's Laboratories. 521,299, Feb. 21; Serial No. 566,246, published Oct. 11, 1949.
Remedies, External. Ivy Corporation. 521,256, Feb. 21; Serial No. 561,571, published Nov. 1, 1949.
Scientific preparation. Sharp & Dohme, Incorporated. 268,655, renewed Mar. 18, 1950. O. G. Feb. 21.
Stimulants and diuretics, Cardio-vascular. Parke, Davis & Co. 76,722, re-renewed Feb. 8, 1950. O. G. Feb. 21.
Tablets, Artificially flavored aspirin. Parke, Davis & Company. 521,225, Feb. 21; Serial No. 559,321, published Nov. 1, 1949.
Tonic for human use, General. Sharp & Dohme, Incorporated. 521,158, Feb. 21; Serial No. 544,919, published Sept. 6, 1949.

CLASS 19

Aircraft, Helicopter. Gyrodyne Company of America, Inc. 521,315, Feb. 21; Serial No. 571,611, published Nov. 15, 1949.
Airplanes. McDonnell Aircraft Corporation. 521,276, Feb. 21; Serial No. 564,339, published Nov. 8, 1949.
Automobiles. General Motors Corporation. 521,308, Feb. 21; Serial No. 568,306, published Nov. 15, 1949.
Automobiles. Hudson Motor Car Company. 521,163, Feb. 21; Serial No. 546,301, published Nov. 15, 1949.
Automobiles, trucks, and vans. The Standard Motor Company Limited. 521,318, Feb. 21; Serial No. 571,749, published Nov. 15, 1949.
Automotive equipment. The Fulton Company. 521,234, Feb. 21; Serial No. 560,329, published Nov. 15, 1949.
Bicycles, strollers, and walker strollers. The Frank F. Taylor Company. 521,136, Feb. 21; Serial No. 541,603, published Nov. 15, 1949.
Boats, House. C. E. Gray. 521,310, Feb. 21; Serial No. 569,198, published Nov. 15, 1949.
Boats, Small. Kattu Project, Inc. 521,205, Feb. 21; Serial No. 555,541, published Nov. 15, 1949.
Bodies for motor vehicles. The Montpelier Manufacturing Co. 521,316, Feb. 21; Serial No. 571,736, published Nov. 15, 1949.
Brake cylinder assemblies and brake shoes, Rebuilt hydraulic. L. J. Miley Company. 521,303, Feb. 21; Serial No. 566,993, published Nov. 15, 1949.
Carriages, Baby. B. Altman & Co. 521,312, Feb. 21; Serial No. 570,161, published Nov. 15, 1949.
Carts, Wheeled shopping. Apartment Appliance Co. 521,273, Feb. 21; Serial No. 563,838, published Nov. 15, 1949.
Chest on wheels, Large tool. Plomb Tool Company. 517,597, Nov. 15, 1949. Amended. O. G. Feb. 21.
Heaters, Vehicle. E. A. Laboratories, Inc. 521,134, Feb 21; Serial No. 541,105, published Nov. 15, 1949.
Journal boxes, journal box lids, side bearings, and snubbers. The Symington-Gould Corporation. 521,098, Feb. 21; Serial No. 528,897, published Nov. 8, 1949.
Mirrors, Rear-view automobile. Whitehead Stamping Company. 521,127, Feb. 21; Serial No. 539,250, published Nov. 15, 1949.
Motorcycles, side-cars, and three-wheeled service and delivery vehicles. Harley-Davidson Motor Company. 521,106, Feb. 21; Serial No. 531,594, published Oct. 11, 1949.
Parachutes, parachute packs, and parachute harness. Irving Air Chute Co., Inc. 521,168, Feb. 21; Serial No. 548,591, published Nov. 15, 1949.
Propellers, Aircraft, parts, and attachments therefor. United Aircraft Corporation. 521,215, Feb. 21; Serial No. 557,640, published Nov. 8, 1949.
Seat covers, Automobile, and bicycles. W. S. Moore. 521,086, Feb. 21; Serial No. 518,616, published Nov. 15, 1949.
Semi-trailers. Gramm Trailer Corporation. 521,078, Feb. 21; Serial No. 506,926, published Nov. 15, 1949.
Trucks and structural parts thereof, Motor delivery. The Montpelier Manufacturing Co. 521,317, Feb. 21; Serial No. 571,737, published Nov. 15, 1949.
Trucks, Hand. R. S. Reed Corporation. 521,172, Feb. 21; Serial No. 548,996, published Nov. 15, 1949.
Vehicle bodies and body parts, Motor. H. G. J. Frank. 521,099, Feb. 21; Serial No. 528,998, published Nov. 8, 1949.
Vehicles, Motor. Ashton Power-Wrecker Equipment Co. Inc. 521,107, Feb. 21; Serial No. 548,560, published Nov. 15, 1949.
Vehicles, Second-hand and used motor. Moore-Day Motors, Inc. 521,278, Feb. 21; Serial No. 564,518, published Nov. 8, 1949.
Wagons, Farm, utility trailers, and accessories therefor. Hatfield Industries, Inc. 521,118, Feb. 21; Serial No. 536,080, published Nov. 15, 1949.
Wheels, Cast steel automotive. Gunite Foundries Corporation. 521,314, Feb. 21; Serial No. 571,271, published Nov. 15, 1949.

CLASS 21

Drills, Electric portable, electric screw drivers, electric portable grinders, etc. Millers Falls Company. 255,562, Apr. 23, 1929. Republished Feb. 21.

CLASS 22

Bats, Baseball, and softball bats. McLaughlin-Millard, Inc. 521,346, Feb. 21; Serial No. 536,941.
Bowling pins. Hard Rock Maple Ten Pin Co. 521,365, Feb. 21; Serial No. 564,874.
Fish lures, Artificial. J. K. Russell. 521,338, Feb. 21; Serial No. 522,553.
Game played with targets and darts. T. C. Metzger. 521,333, Feb. 21; Serial No. 513,630.
Playing cards. Atlantic Playing Card Co., Inc. 521,339, Feb. 21; Serial No. 522,910.
Sinkers, Fishing line. L. E. Young. 521,325, Feb. 21; Serial No. 499,455.
Toy projector. G. W. Carleton. 521,373, Feb. 21; Serial No. 570,477.

CLASS 23

Air compressors and parts thereof. The Campbell-Hausfeld Co. 521,199, Feb. 21; Serial No. 554,764, published Oct. 11, 1949.
Automotive parts. J. G. Hollin. 521,125, Feb. 21; Serial No. 538,413, published Nov. 1, 1949.
Ball bearings, Radial, single row ball bearings, etc. Bearings Company of America. 443,774, Feb. 21; Serial No. 525,286, published July 20, 1948.
Blades, Hack saw. Millers Falls Company. 309,046, Dec. 26, 1933. Republished Feb. 21.
Blades, Razor. PanAmEx Corporation. 521,260, Feb. 21; Serial No. 562,219, published Nov. 15, 1949.
Broaches and broaching machines. The Lapointe Machine Tool Company. 521,275, Feb. 21; Serial No. 563,986, published Nov. 8, 1949.
Bulldozers; trailbuilders; roadbuilders; pivot-dozers, etc. La Plant-Choate Manufacturing Co., Inc. 521,182, Feb. 21; Serial No. 551,389, published Nov. 8, 1949.
Cam shafts. Muskegon Motor Specialties Company. 521,270, Feb. 21; Serial No. 563,209, published Nov 1, 1949.
Carburetors and accessories therefor, and parts thereof. Bendix Aviation Corporation. 521,102, Feb. 21; Serial No. 530,055, published Nov. 15, 1949.
Carpet sweepers. Bissell Carpet Sweeper Company. 521,157, Feb. 21; Serial No. 544,694, published Oct. 5, 1949.
Carpet sweepers, Mechanical. Modern Carpet Sweeper Co., Inc. 521,222, Feb. 21; Serial No. 558,573, published Nov. 1, 1949.
Clamshell buckets; railway switches and parts thereof; switch stands, etc. Pettibone Mulliken Corporation. 521,093, Feb. 21; Serial No. 524,254, published Nov. 1, 1949.
Collating and tipping machines. J. C. Mendes. 521,322, Feb. 21; Serial No. 581,275, published Nov. 15, 1949.
Compressor and tractor units, Combination. Le Roi Company. 521,080, Feb. 21; Serial No. 508,384, published Nov. 1, 1949.
Conveying equipment. Lamb-Grays Harbor Company, Inc. 521,084, Feb. 21; Serial No. 512,676, published Nov. 8, 1949.
Crushers, Industrial, industrial and agricultural shredders, etc. Gruendler Crusher and Pulverizer Co. 521,124, Feb. 21; Serial No. 538,128, published Nov. 8, 1949.
Die stocks. The Oster Manufacturing Company. 77,559, re-renewed Apr. 19, 1950. O. G. Feb. 21.
Dispensers with control valves, Filled insecticide. Knapp-Monarch Company. 443,764, Feb. 21; Serial No. 496,512, published Oct. 18, 1949.
Embossing and printing machines and parts thereof. Standard Oil Company of California. 521,271, Feb. 21; Serial No. 563,642, published Nov. 15, 1949.
Engine parts and tools. King Quality Products Co. 521,176, Feb. 21; Serial No. 550,327, published Nov. 8, 1949.
Farm machinery. New Method Equipment Company. 521,111, Feb. 21; Serial No. 533,427, published Oct. 18, 1949.
Filter-lubricator, Combination. CCA Products Engineering Company. 443,766, Feb. 21; Serial No. 501,819, published Oct. 4, 1949.
Gears, Transmission, reverse gears, reduction gears and clutches. Paragon Gear Works, Inc. 521,237, Feb. 21; Serial No. 560,419, published Nov. 8, 1949.
Grinders, Meat. W. Lasar. 521,138, Feb. 21; Serial No. 542,142, published Nov. 15, 1949.

Guards, Mower. AVCO Manufacturing Corporation. 521,220, Feb. 21; Serial No. 558,268, published Nov. 1, 1949.
Guns, Mud mixing, and parts for the same, swivel joints, counterbalance swivel joints, etc. Chiksan Company. 521,129, Feb. 21; Serial No. 540,034, published Oct. 4, 1949.
Hammers, presses, punches, etc., Compressed air-operated. Mead Specialties Company, Inc. 521,188, Feb. 21; Serial No. 553,204, published Oct. 4, 1949.
Harrows, Offset disc. Rocket Implement Co., Inc. 521,119, Feb. 21; Serial No. 536,137, published Oct. 4, 1949.
Implements, Agricultural. C. L. Roberts. 443,770, Feb. 21; Serial No. 514,497, published Oct. 25, 1949.
Implements of all kinds, Farm. Cockshutt Plow Company, Limited. 521,126, Feb. 21; Serial No. 538,888, published Nov. 1, 1949.
Jacks, Hydraulic. American Hydraulics, Inc. 521,272, Feb. 21; Serial No. 563,836, published Nov. 15, 1949.
Kits, Tire tube patch and valve stem vulcanizing. J. W. Speaker Corporation. 521,089, Feb. 21; Serial No. 521,308, published Oct. 18, 1949.
Lawn mowers. The E. T. Rugg Company. 521,219, Feb. 21; Serial No. 558,248, published Oct. 4, 1949.
Logging and rigging equipment. Young Iron Works, Inc. 521,105, Feb. 21; Serial No. 531,570, published Nov. 8, 1949.
Machinery. The Baldwin Locomotive Works. 521,206, Feb. 21; Serial No. 555,897, published Nov. 15, 1949.
Machinery used in the textile industry. H. Duesberg. 521,113, Feb. 21; Serial No. 533,853, published Oct. 11, 1949.
Machines or apparatus for applying plastic and adhesive materials. Cement-Gun Company, Inc. 128,325, Jan. 6, 1920. Republished Feb. 21.
Material handling appliances, Power operated. The Frank G. Hough Co. 443,767, Feb. 21; Serial No. 503,292, published Nov. 8, 1949.
Milking machines and parts thereof. Babson Bros. Co. 521,133, Feb. 21; Serial No. 540,764, published Oct. 25, 1949.
Mixers, Contractors' tilting and non-tilting, glass and fertilizer mixers. The T. L. Smith Company. 137,462, Nov. 23, 1920. Republished Feb. 21.
Mowing machines, Agricultural. AVCO Manufacturing Corporation. 521,229, Feb. 21; Serial No. 559,786, published Nov. 1, 1949.
Outboard motors and parts, Internal-combustion-engine-powered. Outboard, Marine and Manufacturing Company. 521,164, Feb. 21; Serial No. 546,422, published Nov. 15, 1949.
Pumps and parts thereof, Centrifugal. The La Bour Company, Inc. 521,117, Feb. 21; Serial No. 535,164, published Nov. 8, 1949.
Pumps, Centrifugal, water circulators and water pumps. Standard Electric Manufacturing Company. 521,108, Feb. 21; Serial No. 531,858, published Oct. 4, 1949.
Pumps, Motor-driven rotary. H. C. Lilly. 521,224, Feb. 21; Serial No. 558,728, published Nov. 1, 1949.
Purifier machine; clarifier machine; portable mobile filtering machine; etc. Honan-Crane Corporation. 521,087, Feb. 21; Serial No. 520,165, published Nov. 1, 1949.
Razors, Safety, and safety razor blades. P. V. Jensen. 521,195, Feb. 21; Serial No. 554,675, published Oct. 4, 1949.
Saws, Hand. C. R. Fanno. 521,192, Feb. 21; Serial No. 553,684, published Nov. 1, 1949.
Sewing machines. Morse Distributing Corp. 521,191, Feb. 21; Serial No. 553,628, published Nov. 8, 1949.
Sewing machines and parts thereof. Harvey Manufacturing Corp. 521,243, Feb. 21; Serial No. 560,619, published Nov. 8, 1949.
Textile machinery and parts thereof. Saco-Lowell Shops. 521,142, Feb. 21; Serial No. 542,664, published Nov. 1, 1949.
Tools. Hinsdale Manufacturing Company. 521,203, Feb. 21; Serial No. 555,410, published Oct. 4, 1949.
Tools, Cutting. Bedford Tool and Forge Company. 521,269, Feb. 21; Serial No. 563,105, published Nov. 1, 1949.
Tools, Oil well. Houston Engineers, Inc. 521,135, Feb. 21; Serial No. 541,421, published Nov. 1, 1949.
Tools used by welders. National Cylinder Gas Company. 521,159, Feb. 21; Serial No. 545,514, published Nov. 8, 1949.
Top rolls for textile drawing mechanisms, draw frame rolls and pitman rolls. Machinecraft, Inc. 521,238, Feb. 21; Serial No. 560,488, published Nov. 8, 1949.
V-type pulleys, hand operated automobile jacks, etc. Automatic Steel Products, Inc. 521,233, Feb. 21; Serial No. 560,312, published Nov. 8, 1949.
Water-softening systems and parts thereof. Elgin Softener Corporation. 264,017, renewed Nov. 12, 1949. O. G. Feb. 21.
Wrenches, wrench sets, wrench sockets, etc. Blue Point Tool Company. 270,479, renewed May 6, 1950. O. G. Feb. 21.
Wrenches, wrench sets, wrench sockets, etc. Snap-On Wrench Company. 267,881, renewed Mar. 4, 1950. O. G. Feb. 21.

CLASS 24

Washing machines. The Dexter Company. 263,535, renewed Nov. 5, 1949. O. G. Feb. 21.

CLASS 26

Dispensing and measuring apparatus, Combined liquid. F. D. Pfening. 261,991, renewed Sept. 24, 1949. O. G. Feb. 21.
Radar apparatus. Raytheon Manufacturing Company. 521,083, Feb. 21; Serial No. 509,792, published Oct. 11, 1949.

CLASS 27

Watches, watch cases. Pennino Bros., Inc. 521,379, Feb. 21; Serial No. 572,684.

CLASS 28

Pins, keys, and medals. Sigma Tau. 255,471, Apr. 23, 1929. Republished Feb. 21, 1950.
Silverware, Hollow and flat. The Fisher Silversmiths, Inc. 521,349, Feb. 21; Serial No. 544,719.
Toilet articles, tableware, hollow ware, and flatware. The Stieff Company. 265,811, renewed Jan. 7, 1950. O. G. Feb. 21.

CLASS 29

Brushes, Dusting, and scrubbing brushes. Pittsburgh Plate Glass Company. 521,197, Feb. 21; Serial No. 554,700, published Nov. 22, 1949.
Marker, Felt-tipped fountain. Universal Fountain Brush Co. 521,336, Feb. 21; Serial No. 519,784.
Tooth brushes. The Porto Company. 521,212, Feb. 21; Serial No. 557,386, published Nov. 22, 1949.
Wiping cloths, Industrial. Oakleaf Mills. 264,695, renewed Dec. 3, 1949. O. G. Feb. 21.

CLASS 32

Chairs and seats. Siegel-Land Manufacturing Corp. 521,226, Feb. 21; Serial No. 559,645, published Nov. 1, 1949.

CLASS 34

Burner, An oil and gas-fired conversion. Norman Products Company. 521,357, Feb. 21; Serial No. 554,246.
Heaters and cooking stoves, Combination gas. The Lynbrook Company. 521,352, Feb. 21; Serial No. 550,421.
Heating systems, Automatic electrically controlled and operated fuel. Williams Oil-O-Matic Heating Corporation. 269,277, renewed Apr. 1, 1950. O. G. Feb. 21.
Ovens and oven liners. The Tappan Stove Company. 521,353, Feb. 21; Serial No. 550,857.

CLASS 35

Belts, Power transmission. The Gates Rubber Company. 521,347, Feb. 21; Serial No. 542,109.
Tread material for rubber tires, Anti-skid rubber. Andy Bros. Tire Shop. 521,327, Feb. 21; Serial No. 503,857.

CLASS 37

Pen and pencil cases in the form of holsters, Molded. A. G. Mayer, Inc. 521,356, Feb. 21; Serial No. 553,300.

CLASS 38

Magazine. The Irving-Cloud Publishing Co. 265,731, renewed Jan. 7, 1950. O. G. Feb. 21.

CLASS 39

Articles of clothing, Certain named. Kitty Kelly Shoe Corporation. 521,137, Feb. 21; Serial No. 541,934, published Nov. 8, 1949.
Articles of clothing, Knitted. McClure & McIntosh, Limited. 268,174, renewed Mar. 11, 1950. O. G. Feb. 21.
Bathing trunks, suits, and beachwear, Children's and juveniles'. Manchester Knitted Fashions, Inc. 521,274, Feb. 21; Serial No. 563,940, published Nov. 1, 1949.
Boots and shoes. International Shoe Co. 270,064, renewed Apr. 22, 1950. O. G. Feb. 21.
Boots, pacs, overshoes, Rubber, etc. Goodyear Rubber Company. 521,214, Feb. 21; Serial No. 557,518, published Nov. 8, 1949.
Bras, breeches and combinations. The Formfit Company. 521,116, Feb. 21; Serial No. 534,710, published Oct. 25, 1949.
Brassières. Peter Pan Foundations, Inc. 521,190, Feb. 21; Serial No. 553,397, published Oct. 25, 1949.
Brassières. S. J. Wegman Company. 521,301, Feb. 21; Serial No. 566,736, published Oct. 25, 1949.
Brassières, "swim" brassières, sun-suits, play-suits, etc. Anne Alt. 521,279, Feb. 21; Serial No. 564,594, published Nov. 8, 1949.
Clothing, Infants'. Baby Town, Inc. 521,266, Feb. 21; Serial No. 562,903, published Nov. 8, 1949.
Clothing, Men's. Sewell Manufacturing Company. 521,262, Feb. 21; Serial No. 562,584, published Nov. 8, 1949.
Clothing, Men's and boys'. Woolf Brothers, Inc. 521,254, Feb. 21; Serial No. 561,429, published Oct. 25, 1949.
Corsets. Franco Corset Company. 268,070, renewed Mar. 4, 1950. O. G. Feb. 21.
Dresses, blouses, jumpers, etc., Ladies' and misses'. Sheila Lynn, Inc. 521,211, Feb. 21; Serial No. 557,368, published Oct. 25, 1949.
Dresses, gloves, and hosiery, Women's and misses'. Marshall Field & Company. 521,186, Feb. 21; Serial No. 552,853, published Nov. 1, 1949.

Dresses, Ladies'. Fulchick Dress Co., Inc. 443,768, Feb. 21; Serial No. 506,102, published Jan. 18, 1949.
Footwear. Mishawaka Rubber and Woolen Manufacturing Company. 521,107, Feb. 21; Serial No. 531,819, published Feb. 22, 1949.
Garments, Foundation, girdles and brassières. The Neatform Co. Inc. 521,097, Feb. 21; Serial No. 528,305, published Nov. 8, 1949.
Gloves, Fabric work. Good Luck Glove Company. 521,100, Feb. 21; Serial No. 529,021, published Mar. 29, 1949.
Gloves, Fabric work. Tennessee Glove Company. 521,091, Feb. 21; Serial No. 522,212, published Nov. 8, 1949.
Gloves, Ladies' and men's fabric. The Superb Glove Company. 521,377, Feb. 21; Serial No. 571,239.
Gloves, Men's and women's. Vincent Sanges, Inc. 521,358, Feb. 21; Serial No. 554,421.
Gloves, Work. C. Walker Jones Company. 521,128, Feb. 21; Serial No. 530,707, published Mar. 15, 1949.
Hats, Ladies'. Greenstein & Flaum. 521,217, Feb. 21; Serial No. 558,137, published Oct. 25, 1949.
Hats, Men's. Hat Research Foundation, Inc. 521,323, Feb. 21; Serial No. 541,539, published Oct. 25, 1949.
Hats, scarfs, hoods and muffs, Ladies' and misses'. Douglas of California, Inc. 521,140, Feb. 21; Serial No. 542,451, published Oct. 25, 1949.
Heels and soles, Shoe. Frank Cleve, Jr. 521,328, Feb. 21; Serial No. 507,715.
Hosiery. Interwoven Stocking Company. 521,261, Feb. 21; Serial No. 562,474, published Nov. 8, 1949.
Hosiery. Julius Kayser & Co. 521,184, Feb. 21; Serial No. 551,568, published Nov. 8, 1949.
Hosiery. Mojud Hosiery Co., Inc. 521,110, Feb. 21; Serial No. 532,855, published Nov. 15, 1949.
Hosiery. National Hosiery Mills, Inc. 521,264, Feb. 21; Serial No. 562,873, published Nov. 8, 1949.
Hosiery. The Nolde and Horst Company. 521,160, Feb. 21; Serial No. 545,758, published Nov. 8, 1949.
Hosiery. Chester H. Roth Co., Inc. 443,771, Feb. 21; Serial No. 518,172, published Nov. 8, 1949.
Hosiery. Chester H. Roth Co., Inc. 521,165, Feb. 21; Serial No. 546,514, published Nov. 8, 1949.
Hosiery. Russell Hosiery Mills, Inc. 521,268, Feb. 21; Serial No. 563,010, published Nov. 8, 1949.
Hosiery. Sears, Roebuck and Co. 360,834, Sept. 27, 1938. Republished Feb. 21.
Hosiery, Men's, women's and children's. E-Z Mills, Inc. 371,958, Oct. 17, 1939. Republished Feb. 21.
Hosiery, slips, panties, etc., Ladies' and misses'. A. W. Kaufman. 521,213, Feb. 21; Serial No. 557,456, published Nov. 8, 1949.
House coats, robes, pajamas, Women's and misses', etc. The Flobert Company, Inc. 521,305, Feb. 21; Serial No. 567,767, published Nov. 8, 1949.
Kit consisting of nursing bottle holder, baby pants, and baby bib. Heide Babe Products. 521,255, Feb. 21; Serial No. 561,462, published Oct. 25, 1949.
Neckties. The Whistling Oyster. 521,277, Feb. 21; Serial No. 564,491, published Nov. 1, 1949.
Neckties and lounging, beach, and bath robes, scarves, handkerchiefs, etc. W. A. Taylor. 521,355, Feb. 21; Serial No. 551,747.
Neckties, bow ties, Men's and boys', and men's mufflers. S. Broome. 521,148, Feb. 21; Serial No. 544,320, published Nov. 8, 1949.
Nightgowns and pajamas, Women's. Munsingwear, Inc. 441,405, Nov. 23, 1948. Republished Feb. 21.
Outer apparel. Farbman & Wilson, Inc. 521,359, Feb. 21; Serial No. 554,779.
Overalls and coveralls, Men's, women's and children's. Lang Industries. 521,141, Feb. 21; Serial No. 542,599, published Nov. 1, 1949.
Overcoats for men. Hart Schaffner & Marx. 521,161, Feb. 21; Serial No. 546,045, published Nov. 8, 1949.
Pajamas, athletic shorts and negligee and dress shirts, Men's and boys'. Knothe Brothers Co. Inc. 521,101, Feb. 21; Serial No. 529,274, published Apr. 19, 1949.
Pajamas, bedjackets, bath and beach robes, etc., Ladies'. I. Appel & Co., Inc. 521,201, Feb. 21; Serial No. 555,041, published Nov. 1, 1949.
Play suits, panties, trunks, etc., Boys' and girls'. Post Baby Products. 521,230, Feb. 21; Serial No. 559,860, published Oct. 25, 1949.
Polo shirts and tee shirts, Ladies', children's and men's. Texlee Mills, Inc. 521,283, Feb. 21; Serial No. 562,737, published Nov. 1, 1949.
Rain coats, overcoats, sport coats, etc., Women's, misses', and girls'. I. J. Rubin. 521,198, Feb. 21; Serial No. 554,713, published Nov. 8, 1949.
Shirt and pantie for children, Combined. M. Miller. 521,304, Feb. 21; Serial No. 567,420, published Nov. 8, 1949.
Shirts and jackets for men and women, Wool sport, wool hunting jackets and breeches, etc. Green Bay Specialty Company. 521,189, Feb. 21; Serial No. 553,276, published Nov. 1, 1949.
Shirts, Diaper, and infants' underwear. R. G. Dubin. 521,207, Feb. 21; Serial No. 562,917, published Nov. 8, 1949.
Shirts for children, boys and men, Polo. Barclay Knitwear Co., Inc. 521,194, Feb. 21; Serial No. 554,291, published Nov. 1, 1949.
Shoes. M. Beckerman & Sons, Inc. 521,241, Feb. 21; Serial No. 560,530, published Oct. 25, 1949.
Shoes. Block Shoe Stores, Incorporated. 521,216, Feb. 21; Serial No. 558,001, published Nov. 8, 1949.
Shoes. E. P. Reed & Co. 269,014, renewed Mar. 25, 1950. O. G. Feb. 21.
Shoes, Athletic. J. T. Wood Company. 521,232, Feb. 21; Serial No. 560,146, published Oct. 11, 1949.
Shoes, Boys' and girls'. Ed White Junior Shoe Company. 521,343, Feb. 21; Serial No. 529,511.
Shoes, Children's, misses' shoes, and boys' shoes. B. B. Disken. 521,244, Feb. 21; Serial No. 560,686, published Oct. 11, 1949.
Shoes, Infants'. Burlington County Shoe Corporation. 521,246, Feb. 21; Serial No. 560,752, published Oct. 25, 1949.
Shoes, Ladies' and misses'. Andrew Geller Shoe Manufacturing Co. Inc. 521,228, Feb. 21; Serial No. 559,767, published Nov. 1, 1949.
Shoes, Misses' and ladies'. B. E. Cole Co. 521,139, Feb. 21; Serial No. 542,443, published Nov. 1, 1949.
Shoes, Women's. The Selby Shoe Company. 521,156, Feb. 21; Serial No. 544,644, published Nov. 8, 1949.
Shoes, Women's and misses'. Mutual Shoe Company. 521,239, Feb. 21; Serial No. 560,495, published Nov. 1, 1949.
Shoes, Women's and misses'. San Loo, Inc. 521,259, Feb. 21; Serial No. 562,086, published Nov. 1, 1949.
Slips, night gowns and underwear, Women's. South Seas Trading Corp. 443,776, Feb. 21; Serial No. 525,968, published Jan. 27, 1948.
Slips, pajamas, bed jackets, etc., Ladies', misses', and girls'. Skylon Corporation. 521,306, Feb. 21; Serial No. 567,885, published Nov. 8, 1949.
Slips, Women's and misses'. Lady Ester Lingerie Corporation. 521,169, Feb. 21; Serial No. 532,438, published Nov. 8, 1949.
Soles for shoes, Rubber. Plymouth Rubber Company, Inc. 521,258, Feb. 21; Serial No. 561,943, published Nov. 8, 1949.
Sportswear. Fox Knapp Manufacturing Co. 413,533, May 1, 1945. Republished Feb. 21.
Suits and overcoats, Men's and young men's. H. Dubovy & Co., Inc. 521,370, Feb. 21; Serial No. 567,121.
Suits, Baby boy. S. Schneider & Sons. 521,371, Feb. 21; Serial No. 568,539.
Suits, coats, pants, Men's and boys', etc. Haspel Brothers, Inc. 521,236, Feb. 21; Serial No. 560,408, published Nov. 1, 1949.
Suits, jackets, vests, etc., Men's and boys'. John Crowther & Sons (Milnsbridge) Limited. 521,144, Feb. 21; Serial No. 543,694, published Nov. 8, 1949.
Suits, Men's. Curlee Clothing Company. 269,185, renewed Mar. 25, 1950. O. G. Feb. 21.
Suits, topcoats, and overcoats, Men's and boys'. J. W. Smith & Sons. 247,086, renewed Sept. 18, 1949. O. G. Feb. 21.
Suits, topcoats, and overcoats, Men's. The Joseph & Feiss Company. 521,257, Feb. 21; Serial No. 561,573, published Oct. 25, 1949.
Topcoats for use by men and boys, Rain. Rainfair, Inc. 521,210, Feb. 21; Serial No. 557,066, published Nov. 8, 1949.
Trousers, men's and boys' outershirts, and jackets. Oberman & Company. 521,123, Feb. 21; Serial No. 537,226, published Nov. 8, 1949.
Underwaists, union-suits, and sleeping-garments. The E-Z Waist Company. 147,308, Oct. 11, 1921. Republished Feb. 21.
Underwear. The E-Z Waist Company. 148,401, Nov. 15, 1921. Republished Feb. 21.
Underwear and knitted polo and T-shirts, Men's, women's and children's. Fountain Hill Underwear Mills. 521,295–6, Feb. 21; Serial Nos. 566,071–2, published Nov. 8, 1949.
Underwear, Children's knit ribbed. The Cartersville Mills, Incorporated. 234,981, Nov. 8, 1927. Republished Feb. 21.
Underwear for men. E-Z Mills, Inc. 364,058, Jan. 17, 1939. Republished Feb. 21.
Underwear for men and boys, Knitted. Ware Valley Manufacturing Co., Inc. 356,721, May 10, 1938. Republished Feb. 21.
Underwear, Ladies' and children's rayon. Joan-Doug Undergarment Co., Inc. 521,208, Feb. 21; Serial No. 556,447, published Nov. 8, 1949.
Underwear, Men's and boys' textile-fabric. Woolf Brothers, Inc. 521,253, Feb. 21; Serial No. 561,428, published Nov. 15, 1949.
Union suits. E-Z Waist Company. 222,107, Dec. 21, 1926. Republished Feb. 21.
Wearing apparel. T. B. Fitzpatrick. 54,234, June 26, 1906. Republished Feb. 21.
Wearing apparel for women and girls, Outer. Forest City Manufacturing Company. 521,250, Feb. 21; Serial No. 561,106, published Nov. 1, 1949.

CLASS 40

Needles for hand sewing. Henry Milward & Sons Limited. 75,120, re-renewed Sept. 7, 1949. O. G. Feb. 21.

CLASS 42

Cloth, Cotton print. Wm. Simpson Sons & Co. 521,364, Feb. 21; Serial No. 564,224.
Cloth in the piece, Book. Albert D. Smith & Co., Inc. 439,521, July 6, 1948. Republished Feb. 21.

Cotton, linen, silk, rayon, and/or combinations thereof in the piece. Fred Butterfield & Co., Inc. 269,073, renewed Mar. 25, 1950. O. G. Feb. 21.
Fabrics in the piece, Knitted. Barbet Mills, Inc. 521,354, Feb. 21; Serial No. 551,511.
Fabrics in the piece, Textile. Peerless Mills Co. of New York, Inc. 521,374, Feb. 21; Serial No. 570,629.
Fabrics in the piece, Textile. Rayflex Fabrics, Inc. 521,320, Feb. 21; Serial No. 573,263, published Nov. 1, 1949.
Fabrics in the piece, Textile. Rayflex Fabrics, Inc. 521,378, Feb. 21; Serial No. 571,291.
Piece goods. Peerless Woolen Mills. 521,150–5, Feb. 21; Serial Nos. 544,600–5, published Nov. 15, 1949.
Piece goods, Rayon. Ponemah Mills. 521,360, Feb. 21; Serial No. 555,956.
Piece goods, Woolen. Forstmann Woolen Co. 521,319, Feb. 21; Serial No. 573,240, published Nov. 15, 1949.
Piece goods, Woolen. A. D. Juilliard & Co., Inc. 521,350, Feb. 21; Serial No. 547,969.
Sheets and pillow cases. McGreevey, Werring & Howell, Inc. 521,369, Feb. 21; Serial No. 566,628.

CLASS 44

Rubber articles, Prophylactic. Youngs Rubber Corporation. 521,348, Feb. 21; Serial No. 542,986.

CLASS 46

Almonds, Candy coated. Chase Candy Company. 521,077, Feb. 21; Serial No. 498,594, published Nov. 8, 1949.
Baked goods. Arnold Bakers, Inc. 521,329, Feb. 21; Serial No. 508,024.
Bakery products. Carr-Consolidated B'scuit Company. 521,185, Feb. 21; Serial No. 552,840, published Nov. 8, 1949.
Bread. Ark Bakers, Inc. 521,285, Feb. 21; Serial No. 565,405, published Nov. 1, 1949.
Butter. Danish Creamery Association. 521,361, Feb. 21; Serial No. 559,998.
Cake and cooky dough and frostings, Frozen. Graham Paking Co. 521,334, Feb. 21; Serial No. 514,704.
Candy. De Met's, Inc. 521,291, Feb. 21; Serial No. 565,758, published Nov. 1, 1949.
Candy, Elmer Candy Company. 521,380, Feb. 21; Serial No. 580,550.
Candy, Nutrine Candy Company. 521,088, Feb. 21; Serial No. 520,888, published Nov. 8, 1949.
Candy, Phoebe Phelps Caramel Company, Inc. 521,115, Feb. 21; Serial No. 534,671, published Nov. 15, 1949.
Candy, Stephen F. Whitman & Son, Inc. 521,290, Feb. 21; Serial No. 565,669, published Nov. 1, 1949.
Canned crabmeat. Modern Food Products Company. 521,375, Feb. 21; Serial No. 570,866.
Canned fish. S and P Sales Company. 521,293, Feb. 21; Serial No. 565,816, published Nov. 1, 1949.
Canned fruits and vegetables. Fernando Canning Company, Inc. 521,298, Feb. 21; Serial No. 566,221, published Nov. 1, 1949.
Canned fruits and vegetables. Winter Garden Citrus Products Cooperative. 420,868, May 7, 1946. Amended. O. G. Feb. 21.
Canned sweet peas. Athens Canning Company. 521,287, Feb. 21; Serial No. 565,532, published Nov. 1, 1949.
Canned vegetables. Gude & Cole Corp. 443,772, Feb. 21; Serial No. 525,079, published Nov. 8, 1949.
Canned vegetables, catsup, and chili sauce. The Sears & Nichols Corporation. 262,702, renewed Oct. 22, 1949. O. G. Feb. 21.
Canned vegetables, tomato catsup, and chili sauce. The Sears & Nichols Corporation. 262,270, renewed Oct. 1, 1949. O. G. Feb. 21.
Cheese. Whiting Milk Company. 521,300, Feb. 21; Serial No. 566,679, published Nov. 8, 1949.
Cheese, Pasteurized and packaged. A. J. Grossnklaus. 521,292, Feb. 21; Serial No. 565,776, published Nov. 8, 1949.
Cod liver oil. British Cod Liver Oils (Hull & Grimsby) Limited. 521,082, Feb. 21; Serial No. 509,392, published Nov. 8, 1949.
Coffee. Dwinell-Wright Company. 77,625. re-renewed Apr. 26, 1950. O. G. Feb. 21.
Coffee. Foltz Tea & Coffee Co. **521,363, Feb. 21; Serial** No. 562,349.
Coffee, canned pinto beans, beef fat, etc. Waples-Platter Company. 521,081, Feb. 21; Serial No. 508,633, published Nov. 15, 1949.
Confectionery, Packaged. H. S. Vinson. 269,399, renewed Apr. 8, 1950. O. G. Feb. 21.
Confections, Frozen. Joe Lowe Corporation. 521,122, Feb. 21; Serial No. 537,056, published Nov. 15, 1949.
Cookies. Johnson Biscuit Company. 521,288, Feb. 21; Serial No. 565,628, published Nov. 1, 1949.
Cracker wafers, croutons, and chow mein noodles. Northshire Bakers. 443,773, Feb. 21; Serial No. 525,236, published Nov. 15, 1949.
Cranberries, Fresh. American Cranberry Exchange. 521,297, Feb. 21; Serial No. 566,203, published Nov. 8, 1949.
Feed supplement for poultry and livestock. Rossmoyne Processing Corporation. 521,345, Feb. 21; Serial No. 531,847.
Flavoring, Imitation olive oil. Florasynth Laboratories Incorporated. 521,076, Feb. 21; Serial No. 494,553, published Nov. 15, 1949.
Flour, Wheat. The Colorado Milling & Elevator Co. 521,177, Feb. 21; Serial No. 550,388, published Nov. 8, 1949.
Flour, Wheat. The Colorado Milling & Elevator Co. 521,183, Feb. 21; Serial No. 551,540, published Nov. 8, 1949.
Flour, Wheat. Pillsbury Mills, Inc. 443,510, Nov. 1, 1949. Republished Feb. 21.
Flour, Wheat. Tex-O-Kan Flour Mills Co. 521,240, Feb. 21; Serial No. 560,504, published Oct. 18, 1949.
Food product in powder form. Lauritzen and Company, Inc. 521,245, Feb. 21; Serial No. 560,712, published Nov. 8, 1949.
Food products. Haas Brothers. 521,132, Feb. 21; Serial No. 540,667, published Mar. 8, 1949.
Fruit preserves and jellies. Dixie Preserves, Ltd. 521,202, Feb. 21; Serial No. 555,062, published Nov. 8, 1949.
Fruits and vegetables, Conserved, canned meats and marmalades and jams. Conservenfabrik Lenzburg Vorm. Henckell & Roth. 85,080, Jan. 30, 1912. Republished Feb. 21.
Fruits and vegetables, Fresh canned, and frozen deciduous. Bercut-Richards Packing Company. 521,332, Feb. 21; Serial No. 512,764.
Fruits, berries, and vegetables, etc., Frozen. R. D. Bodle Co. 521,302, Feb. 21; Serial No. 566,858, published Nov. 1, 1949.
Fruits, Fresh citrus. Chula Vista Citrus Association. 267,929, renewed Mar. 4, 1950. O. G. Feb. 21.
Fruits, Fresh citrus. Eadington Fruit Co. 521,121, Feb. 21; Serial No. 536,880, published Nov. 8, 1949.
Fruits, Fresh citrus. Placentia Orchard Company. 521,286, Feb. 21; Serial No. 565,455, published Nov. 1, 1949.
Fruits, Fresh deciduous and fresh vegetables. E. O. Muir and Company. 521,376, Feb. 21; Serial No. 570,904.
Grapes, Fresh. P. A. Dobson. 443,355, Sept. 6, 1949. Republished Feb. 21.
Grapes, Fresh. Marlin Bros. 521,284, Feb. 21; Serial No. 565,350, published Nov. 1, 1949.
Hams, bacon, butter, etc. Queensland Meat Export Company, Limited. 443,765, Feb. 21; Serial No. 500,772, published Nov. 15, 1949.
Hams, bacon; lard, etc. Mickelberry's Food Products Company. 521,094, Feb. 21; Serial No. 527,257, published Nov. 15, 1949.
Hams, bacon, pork sausage, etc. A. Fink & Sons Company, Inc. 521,162, Feb. 21; Serial No. 546,290, published Nov. 8, 1949.
Honey, Pure sage, relish spread, canned fish, etc. Mutual Stores, Inc. 252,009, Jan. 22, 1929. Republished Feb. 21.
Ice cream. J. M. Horton Ice Cream Company, Inc. 265,673–4, renewed Jan. 7, 1950. O. G. Feb. 21.
Mayonnaise, salad dressings, cooked chicken, etc. M. L. Grahnm. 342,859, Feb. 21, 1937. Republished Feb. 21.
Milk, Powdered whole. Standard Brands Incorporated. 521,321, Feb. 21; Serial No. 579,843, published Nov. 1, 1949.
Olives, tea, cocoa, etc. David G. Evans Coffee Company. 521,335, Feb. 21; Serial No. 517,626.
Oysters, Fresh. Schneider's Oyster Co. Inc. 521,103, Feb. 21; Serial No. 530,257, published Nov. 15, 1949.
Poultry, Frozen, fresh, cut-up dressed. Norbest Turkey Growers Association. 521,368, Feb. 21; Serial No. 566,300.
Softening and emulsifying agent used in baking. American Breddo Corp. 521,342, Feb. 21; Serial No. 524,514.
Syrup, Cane and corn compound. Alabama-Georgia Syrup Co. 76,348, re-renewed Jan. 11, 1950. O. G. Feb. 21.
Tea. Dwinell-Wright Company. 77,624, re-renewed Apr. 26, 1950. O. G. Feb. 21.
Varieties of fresh fish, frozen fish, salt fish, etc. Canadian Fish & Cold Storage Co., Ltd. 521,147, Feb. 21; Serial No. 544,052, published Nov. 8, 1949.
Vegetables, Fresh. Randolph Marketing Company. 266,831, renewed Feb. 4, 1950. O. G. Feb. 21.
Vegetables, Fresh. S. Rianda. 521,341, Feb. 21; Serial No. 523,803.

CLASS 49

Akvavit and liqueurs. A/S Dansk Handels- og Industrie-Campagni (Danisco). 443,769, Feb. 21; Serial No. 512,950, published Nov. 15, 1949.
Cordials and liqueurs, Alcoholic. Leroux and Company, Inc. 521,231, Feb. 21; Serial No. 560,113, published Nov. 15, 1949.
Rum. Licoreria Roses, Inc. 443,762, Feb. 21; Serial No. 483,540.
Whiskey. Berke Brothers Distilleries Inc. 521,324, Feb. 21; Serial No. 488,635.
Whiskey, Bohemian. Distributing Company. 443,725, Feb. 21; Serial No. 525,475, published Nov. 15, 1949.
Whiskey. William Whiteley & Co. Inc. 521,251, Feb. 21; Serial No. 561,165, published Nov. 22, 1949.
Whiskey, Irish. John Jameson & Son, Limited. 521,209, Feb. 21; Serial No. 556,888, published Nov. 15, 1949.

CLASS 50

Boards, Writing. Weber Costello Co. 521,311, Feb. 21; Serial No. 570,137, published Nov. 1, 1949.

Brooders. Oil poultry. H. D. Hudson Manufacturing Company. 521,207, Feb. 21; Serial No. 556,199, published Nov. 1, 1949.
Coverings, Plastic. M. Shepord. 521,247, Feb. 21; Serial No. 560,931, published Nov. 1, 1949.
Feeders, Poultry, and stationary poultry drinking fountains. United Co-Operatives, Inc. 521,313, Feb. 21; Serial No. 570,338, published Nov. 1, 1949.
Figurines made of china. Robert Bloch and Simone Van Moppes Bloch. 521,235, Feb. 21; Serial No. 560,378, published Oct. 25, 1949.
Flags. Dettra Flag Company, Inc. 521,143, Feb. 21; Serial No. 542,748, published Oct. 4, 1949.
Flowers and confections. F. W. Fleming. 521,280, Feb. 21; Serial No. 564,615, published Oct. 4, 1949.
Font assortments of letters and figures and illustrating accessories. F. P. Mitten. 521,366–7, Feb. 21; Serial Nos. 565,069–70.
Letters and similar characters made from various metals. W. H. Cohen. 521,252, Feb. 21; Serial No. 561,295, published Nov. 1, 1949.
Mats and matting, Floor, and stairs tread. Melflex Products Company, Inc. 521,169, Feb. 21; Serial No. 548,599, published Sept. 13, 1949.
Mats, Dry. Wood Flong Corporation. 521,112, Feb. 21; Serial No. 533,814, published Oct. 4, 1949.
Mats of hard-boards. Jersey Carpet Corporation. 521,131, Feb. 21; Serial No. 540,283, published Nov. 1, 1949.
Pallets. Rathborne, Hair & Ridgway Company. 521,130, Feb. 21; Serial No. 540,107, published Oct. 4, 1949.
Plates for broadcasters, Call letter, residence plates, name plates, etc. Alto-Metal Products, Inc. 521,307, Feb. 21; Serial No. 567,941, published Oct. 18, 1949.
Rug underlays, Non-skid. E. E. Poor, Jr. 521,351, Feb. 21; Serial No. 550,167.
Sheeting, Synthetic rubber composition. E. I. du Pont de Nemours and Company. 521,227, Feb. 21; Serial No. 559,693, published Oct. 4, 1949.
Shoe trees. C. S. Pierce Company. 521,331, Feb. 21; Serial No. 511,287.
Shoe trees. Rochester Shoe Tree Co., Inc. 521,120, Feb. 21; Serial No. 536,290, published Nov. 1, 1949.
Tents and paulins. The Hettrick Manufacturing Company. 521,104, Feb. 21; Serial No. 531,131, published Nov. 1, 1949.
Traps, Paperboard. The Gardner-Richardson Company. 521,170, Feb. 21; Serial No. 548,724, published Sept. 13, 1949.
Traps, Rodent. Animal Trap Company of America. 521,090, Feb. 21; Serial No. 522,158, published Nov. 1, 1949.

CLASS 51

Cologne and body powder. Bonne Bell, Inc. 521,146, Feb. 21; Serial No. 544,017, published Nov. 1, 1949.
Cosmetics. The Cage Company. 521,221, Feb. 21; Serial No. 558,346, published Nov. 1, 1949.
Dentifrice. M. L. Jordahl. 521,193, Feb. 21; Serial No. 553,779, published Feb. 1, 1949.
Deodorant and antiperspirant. The Pharma-Craft Corporation. 521,079, Feb. 21; Serial No. 508,242, published Oct. 25, 1949.
Lotion, After shaving. F. Adorn. 521,248, Feb. 21; Serial No. 560,951, published Nov. 1, 1949.
Lotion, Hand. Chamberlain Medicine Co. 261,414, renewed Sept. 17, 1949. O. G. Feb. 21.

CLASS 52

Cleanser, Hand. Virginia-Carolina Chemical Corporation. 521,218, Feb. 21; Serial No. 558,184, published Oct. 25, 1949.
Detergent. Frontier Products Company. 521,095, Feb. 21; Serial No. 527,418, published Sept. 27, 1949.
Detergent. The Utility Co., Inc. 521,114, Feb. 21; Serial No. 534,489, published Oct. 18, 1949.
Soap. Johnson & Johnson. 521,309, Feb. 21; Serial No. 568,627, published Oct. 4, 1949.
Soap, Antiseptic liquid. Armour and Company. 521,187, Feb. 21; Serial No. 552,931, published Oct. 25, 1949.
Soap, Liquid, and typewriter type and platen cleaner, etc. Ditto, Incorporated. 521,200, Feb. 21; Serial No. 554,867, published Mar. 22, 1949.

CLASS 104

Broadcasting, Radio program. Booth Radio Stations, Inc. 521,381, Feb. 21; Serial No. 557,428.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anxionnaz, René, and R. Imbert, Paris, France, vested in the Attorney General of the United States. Reaction propelling device for aircraft. Re. 23,198, Feb. 21.

Attorney General of the United States, vested in the: *See*—
Anxionnaz, René and Imbert.

LIST OF DESIGN PATENTEES

Acton, Grant M., assignor to Acton Manufacturing Company, Inc., Arkansas City, Kans. Bottle carrier. 157,316, Feb. 21.
Acton Manufacturing Company, Inc., assignee: *See*—
Acton, Grant M.
Applegate, Clare E., Mansfield, Ohio, assignor to Dominion Electric Corporation. Electrical corn popper or similar article. 157,317, Feb. 21.
Bailey, Lilburn M. D., Memphis, Tenn. Grille guard. 157,318, Feb. 21.
Bair, Thomas C., assignor to Utica Radiator Corporation, Utica, N. Y. Step box. 157,319, Feb. 21.
Baker, Lillian M., Miami Beach, Fla. Combination can cover and dispenser for liquids. 157,320, Feb. 21.
Barden, Carl G., Woodland, Calif. Combination rear bumper, trailer hitch and foot platform for vehicles. 157,321, Feb. 21.
Baretta, Patrick A., Kansas City, Kans. Bicycle. 157,322, Feb. 21.
Barnett, Charles A., West Chester, Pa., assignor to Kellett Aircraft Corporation. Helicopter. 157,323, Feb. 21.
Barnett, Stanley G., Denver, Colo. Portable tray table or similar article. 157,324, Feb. 21.
Barnhart, A. Baker, New York, N. Y. Wall covering or the like. 157,325, Feb. 21.
Bassett, Maxwell B.: *See*—
Ebel, William K., Magruder, and Bassett.
Bell, William B. R., Dallas, Tex. Combination bumper guard and fog light. 157,326, Feb. 21.
Benjamin, E. Burton, New York, N. Y. Television receiver. 157,327, Feb. 21.
Beseke, Johanna, Minneapolis, Minn. Pouring cap for a milk bottle. 157,328, Feb. 21.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body. 157,329, Feb. 21.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body. 157,330, Feb. 21.
Blanc, Marinette, Hewlett, assignor to Picardy Mills, Inc., Brooklyn, N. Y. Glove. 157,331, Feb. 21.
Blanton, Harold L.: *See*—
Mathews, Franklin R., and Blanton.
Bolard, George L., Meadville, Pa. Bottle cap. 157,332, Feb. 21.
Bonner, Eunice, Gary, and E. Bowers, Elkhart, assignors to Mothers of World War No. II, Inc., Indianapolis, Ind. Badge or similar article. 157,333, Feb. 21.
Bookman, Harry, Los Angeles, Calif. Fender guard or similar article. 157,334, Feb. 21.
Bowers, Ethel: *See*—
Bonner, Eunice, and Bowers.
Braunberger, Ray A., Chicago, Ill. Fifth wheel base or similar article. 157,335, Feb. 21.
Breen, Frederick M., White Plains, assignor to Coty, Inc., New York, N. Y. Bottle stopper. 157,336, Feb. 21.
Britt, Vernon E., San Jose, Calif. Medicament receptacle. 157,337, Feb. 21.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 157,338, Feb. 21.
Cahn, Bernard, Co. Inc., assignee: *See*—
Chase, Herbert.
Castillo, Ferdinand J., San Francisco, Calif. Bank. 157,339, Feb. 21.
Chamberlin, Helena Z., San Diego, Calif. Hat or the like. 157,340, Feb. 21.
Chase, Herbert, assignor to Bernard Cahn Co. Inc., New York, N. Y. Wallet or similar article. 157,341, Feb. 21.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 157,342, Feb. 21.
Claflin, Roland S., Park Ridge, Ill. Child's spoon. 157,343, Feb. 21.
Columbus Plastic Products Inc., assignee: *See*—
Roop, Nathan W.
Conner, Arthur C., Salt Lake City, Utah. Combined signal light and ash receiver. 157,344, Feb. 21.
Cook, Harold F., Rahway, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Dispenser. 157,345, Feb. 21.
Cookman, Helen C., New York, N. Y. Coverall or the like. 157,346, Feb. 21.
Cory Corporation, assignee: *See*—
Frankel, Samuel H.
Palma, Joseph, Jr.
Richards, Harper.
Coty, Inc., assignee: *See*—
Breen, Frederick M.
Cray, John, Toronto, Ontario, Canada. Protective display package for brushes. 157,347, Feb. 21.
Crichton, James H., Charlotte, N. C. Soap grater and dispenser. 157,348, Feb. 21.
Daon, Rene, East Norwalk, assignor to Yankee Metal Products Corporation, Norwalk, Conn. Casing for automobile directional signal. 157,349, Feb. 21.
De Napoli, Anthony C., Jr., Windsor, Conn., and R. Spilman, Yonkers, N. Y. Dictating machine transcriber cabinet. 157,350, Feb. 21.
Dermetics, Inc., assignee: *See*—
Von Miklos, Josephine.
Design Development Corporation, assignee: *See*—
Riha, Cyril M.
De Smet, Edgard C., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle. 157,351, Feb. 21.
De Young, Jack, Grand Haven, Mich., assignor to Zenith Radio Corporation. Radio cabinet. 157,352, Feb. 21.
Dominion Electric Corporation, assignee: *See*—
Applegate, Clare E.
Ebel, William K., Kingsville, Md., P. M. Magruder, Washington, D. C., and M. B. Bassett, Middle River, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 157,353, Feb. 21.
Emde, Kurt, Itasca, and H. H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation. Radio cabinet. 157,354, Feb. 21.
Epstein, Julius, West Hempstead, N. Y. Dish. 157,355, Feb. 21.
Eratico, Rose R., Long Island City, N. Y. Cap or similar article. 157,356, Feb. 21.
Erie Manufacturing Co., Inc., assignee: *See*—
Poncher, Harold and J. E.
Fairchild Engine & Airplane Corporation, assignee: *See*—
Schindler, Cornelius M.
Fairchild, Wayne K., Montebello, Calif. Combined hair pin and frame for setting pin curls. 157,357, Feb. 21.
Fath, Jacques, Paris, France, assignor to Weinreich Brothers Company, New York, N. Y. Earring or similar article. 157,358, Feb. 21.
Fleck, Robert, Jenkintown, assignor to C. H. Masland and Sons, Carlisle, Pa. Carpet. 157,359, Feb. 21.
Fleuridas, André, Westport, Conn., assignor to Mazar Bros., Inc. Earring or similar article. 157,360, Feb. 21.
Ford, Wade O., San Angelo, Tex. Truck body. 157,361, Feb. 21.
Francis, Mary A., Highland Park, Mich. Vanity cabinet or the like. 157,362, Feb. 21.
Frankel, Samuel H., assignor to Cory Corporation, Chicago, Ill. Lid for a beverage brewer. 157,363, Feb. 21.
Freshley, Robert H., South Bend, Ind. Liquor measuring glass. 157,364, Feb. 21.
Fulton, Louis E., Houston, Tex. Telephone shelf. 157,365, Feb. 21.
Galinski, Roman: *See*—
Piwczynski, Edward F., and Galinski.
Gannett, Wright K.: *See*—
Mast, Gifford M., and Gannett.
Gatewood, Worth C.: *See*—
Schwartzman, Bernard.
General Electric Company Limited, The, assignee: *See*—
Kingsnorth, Robert J.
Gerth, Ruth, San Francisco, Calif. Flower support. 157,366, Feb. 21.
Gordon, Alexander M., assignor to Max L. Grant, Providence, R. I. Coin receiving device. 157,367, Feb. 21.
Gould, James J., Berlin, assignor to Tempro, Incorporated, New Haven, Conn. Bottle stopper. 157,368, Feb. 21.
Graham, Elizabeth N., New York, N. Y. Hat. 157,369, Feb. 21.

Graham, Elizabeth N., New York, N. Y. Hat. 157,370, Feb. 21.
Grant, Max L.: *See*—
Gordon, Alexander M., and Grant.
Halcomb, Dorothy L., San Diego, Calif. Bottle holder. 157,371, Feb. 21.
Hall, Elisabeth A. P., Westwood, assignor to The National Fairpoint Company, New Bedford, Mass. Toy elephant. 157,372, Feb. 21.
Hettrick Manufacturing Company, The, assignee: *See*—
Smith, William I.
Houdaille-Hershey Corporation, assignee: *See*—
Sebok, Joseph B., and Sebok.
Hupp Corporation, assignee: *See*—
Lawson, David E.
Izenour, George C., New Haven, Conn. Electrical control unit. 157,373, Feb. 21.
Izenour, George C., New Haven, Conn. Electrical control unit. 157,374, Feb. 21.
Jones, Amos L., Dayton, Wash., and L. M. Wheeler, Philadelphia, Pa. Combination egg cooker and server, or the like. 157,375, Feb. 21.
Karchenes, George, Watertown, Mass. Child's seat or similar article. 157,376, Feb. 21.
Karp, Max S., Los Angeles, Calif. Extension table. 157,377, Feb. 21.
Kellett Aircraft Corporation, assignee: *See*—
Barnett, Charles A.
Kingsnorth, Robert J., Bexley, assignor to The General Electric Company Limited, London, England. Case for a photographic exposure meter. 157,378, Feb. 21.
Knight, George C., assignor to George C. Knight Company, Detroit, Mich. Gas tank cap. 157,279, Feb. 21.
Knight, George C., Company, assignee: *See*—
Knight, George C.
Knight, Hazel D., Seattle, Wash. Child's cowboy suit. 157,380, Feb. 21.
Kramer, Irving, White Plains, N. Y. Desk. 157,381, Feb. 21.
Krasnow, Kenneth, Hartsdale, N. Y. Belt buckle. 157,382, Feb. 21.
Law, Walter B. and W. B., Dunellen, N. J. Coffee urn. 157,383, Feb. 21.
Law, Warren B.: *See*—
Law, Walter B. and W. B.
Lawson, David E., assignor to Hupp Corporation, Cleveland, Ohio. Beverage vending machine. 157,384, Feb. 21.
Leonow, Fred W., Cleveland, Ohio. Game board. 157,385, Feb. 21.
Lewis, Alfred M., Incorporated, assignee: *See*—
Wheeler, Leonard A.
Loma Plastics, Inc., assignee: *See*—
Rucker, J. W.
Lombardi, Cyrus, Brooklyn, N. Y. Lingerie buckle or similar article. 157,386, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,387, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,388, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,389, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,390, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,391, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,392, Feb. 21.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 157,393, Feb. 21.
MacCann, George A., Pawtucket, assignor to The Wallace Co., Inc., Providence, R. I. Lapel emblem. 157,394, Feb. 21.
Magruder, Peyton M.: *See*—
Ebel, William K., Magruder, and Bassett.
Marcantonio, Daniel L., Westport, Conn. Food grinder. 157,395, Feb. 21.
Marcantonio, Daniel L., Westport, Conn. Food grinder. 157,396, Feb. 21.
Martin, Glenn L., Company, The, assignee: *See*—
Ebel, William K., Magruder, and Bassett.
Masland, C. H., and Sons, assignee: *See*—
Fleck, Robert.
Mast Development Company, Inc., assignee: *See*—
Mast, Gifford M., and Gannett.
Mast, Gifford M., and W. K. Gannett, assignors to Mast Development Company, Inc., Davenport, Iowa. Toilet seat and cover therefor. 157,397, Feb. 21.
Mather, Joseph S., Jr., Toledo, Ohio. Coffee-making device. 157,398, Feb. 21.
Mathews, Franklin R., and H. L. Blanton, Washington, D. C. Drinking glass. 157,399, Feb. 21.
Mazer Bros., Inc., assignee: *See*—
Fleuridas, André.
Mirman, Rose, Paris, France. Toy animal figure or the like. 157,400, Feb. 21.
Mitchell, Lucious, Auburn, Ala. Radiator shell. 157,401, Feb. 21.
Mothers of World War No. II, Inc., assignee: *See*—
Bonner, Eunice, and Bowers.
National Fairpoint Company, The, assignee: *See*—
Hall, Elisabeth A. P.
Newton, Earl W., Chicago, Ill. Plate or similar article. 157,402, Feb. 21.
Nicoli, Nathalie, San Francisco, Calif. Sun suit. 157,403, Feb. 21.
Nowak, Michael E., Cleveland, Ohio. Marking gauge. 157,404, Feb. 21.
Ohio Knitting Mills, assignee: *See*—
Rubin, Henry.
Ott, William H., Cincinnati, Ohio. Picture frame. 157,405, Feb. 21.
Palma, Joseph, Jr., Chicago, Ill., assignor to Cory Corporation. Air circulator. 157,406, Feb. 21.
Pappas, Peter, New Haven, Conn. Coffee-making apparatus. 157,407, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Teapot. 157,408, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Teapot. 157,409, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Sugar bowl. 157,410, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Beater jug. 157,411, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Covered jug. 157,412, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Ball jug. 157,413, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Jar. 157,414, Feb. 21.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Creamer. 157,415, Feb. 21.
Pawsat, Ruben L., Maysville, Ky. Kick stand clamp for bicycles. 157,416, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,417, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,418, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,419, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,420, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,421, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,422, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,423, Feb. 21.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,424, Feb. 21.
Picardy Mills, Inc., assignee: *See*—
Blanc, Marinette.
Piwczynski, Edward F., and R. Galinski, New Britain, Conn. Glare filter for motor vehicles. 157,425, Feb. 21.
Poncher, Harold and J. E., assignors to Erie Manufacturing Co., Inc., Chicago, Ill. Automobile grille guard. 157,426, Feb. 21.
Poncher, Jerry E.: *See*—
Poncher, Harold and J. E.
Poprocki, Thomas: *See*—
Zielkowski, Walter S., and Poprocki.
Powers, Claude, Dayton, Ohio. Motorcycle bumper. 157,427, Feb. 21.
Richards, Harper, assignor to Cory Corporation, Chicago, Ill. Beverage brewer. 157,428, Feb. 21.
Richman, Harry A., Chicago, Ill. Automobile hood ornament. 157,429, Feb. 21.
Riha, Cyril M., assignor to Design Development Corporation, Atlanta, Ga. Shrimp cleaner. 157,430, Feb. 21.
Rogers, Howard E., Long Beach, Calif. Portable step device. 157,436, Feb. 21.
Roop, Nathan W., assignor to Columbus Plastic Products Inc., Columbus, Ohio. Towel rack. 157,431, Feb. 21.
Roths, Herbert C., assignor to Roths Industries, Inc., Alma, Mich. Garden tractor. 157,432, Feb. 21.
Roths Industries, Inc., assignee: *See*—
Roths, Herbert C.
Rubin, Henry, University Heights, assignor to Ohio Knitting Mills, Cleveland, Ohio. Sweater or the like. 157,433, Feb. 21.
Rubin, Henry, University Heights, assignor to Ohio Knitting Mills, Cleveland, Ohio. Sweater or the like. 157,434, Feb. 21.
Rucker, J. W., assignor to Loma Plastics, Inc., Fort Worth, Tex. Candy container or the like. 157,435, Feb. 21.
Salcy, Enzo A., Arlington, Mass. Tire. 157,437, Feb. 21.
San Giovanni, Edward, Ridgefield, Conn. Ashtray or similar article. 157,438, Feb. 21.
Scarale, Frank M., Leominster, Mass. Combined table and lamp. 157,439, Feb. 21.
Schindler, Cornelius M., Hagerstown, Md., assignor to Fairchild Engine & Airplane Corporation. Airplane control wheel. 157,440, Feb. 21.
Schroeder, Frank J., Rochester, N. Y. Smoker's desk set. 157,441, Feb. 21.
Schwartzman, Bernard, Chevy Chase, Md., and W. C. Gatewood, Alexandria, Va. Truck body. 157,442, Feb. 21.
Sebok, Frank: *See*—
Sebok, Joseph B. and F.

Sebok, Joseph B. and F., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Combination air cleaner and intake silencer unit. 157,443, Feb. 21.
Selman, James B.: *See*—
Smith, Sidney H.
Shawnee Pottery Company, assignee: *See*—
Parentice, Jess L.
Sherwood, Robert D., Whitefish Bay, Wis. Bow tie. 157,444, Feb. 21.
Sloan, Alexander, Cumberland, Md. Drinking glass. 157,445, Feb. 21.
Smith, Sidney H., and J. B. Selman, Oklahoma City, Okla. Table service unit. 157,446, Feb. 21.
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Chair. 157,447, Feb. 21.
Spilman, Raymond: *See*—
De Napoli, Anthony C., Jr., and Spilman.
Stark Brick Company, The, assignee: *See*—
Zagray, Harold F.
Steglich, Herbert H.: *See*—
Emde, Kurt, and Steglich.
Sternkopf, Albert E., Wauwatosa, Wis. Table. 157,448, Feb. 21.
Tempro Incorporated, assignee: *See*—
Gould, James, Jr.
Tesch, George D., Chicago, Ill. Building structure. 157,449, Feb. 21.
Trailmobile Company, The, assignee: *See*—
Black, James J.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Truesdale, Eddie P., Orangeburg, S. C. Game board. 157,450, Feb. 21.
Tung-Sol Lamp Works, Inc., assignee: *See*—
Cook, Harold F.
United States Rubber Company, assignee: *See*—
Wills, Bernard F.
Utica Radiator Corporation, assignee: *See*—
Bair, Thomas C.
Von Miklos, Josephine, assignor to Dermetics, Inc., New York, N. Y. Bottle. 157,451, Feb. 21.
Wagner, Eddie B., Portland, Oreg. Earth moving vehicle. 157,452, Feb. 21.
Wagner, Harold A., Portland, Oreg. Scraper. 157,453, Feb. 21.
Wallace Co., Inc., The, assignee: *See*—
MacCann, George A.
Weinrelch Brothers Company, assignee: *See*—
Fath, Jacques.
Wheeler, Lawrance A., Arlington, Va., Finger ring. 157,454, Feb. 21.
Wheeler, Leonard A., Los Angeles, assignor to Alfred M. Lewis, Incorporated, Riverside, Calif. Card index box. 157,455, Feb. 21.
Wheeler, Lillian M.: *See*—
Jones, Amos L., and Wheeler.
Wills, Bernard F., Brooklyn, assignor to United States Rubber Company, New York, N. Y. Undercarpet padding. 157,456, Feb. 21.
Willys-Overland Motors, Inc., assignee: *See*—
De Smet, Edgard C.
Wolf, Bern, Los Angeles, Calif. Toy figure. 157,457, Feb. 21.
Yankee Metal Products Corporation, assignee: *See*—
Daon, Rene.
Zagray, Harold F., assignor to The Stark Brick Company, Canton, Ohio. Modular triangle. 157,458, Feb. 21.
Zelchenko, Henry L., Shrub Oak, N. Y. Lamp. 157,459, Feb. 21.
Zenith Radio Corporation, assignee: *See*—
Budlong, Robert D.
De Young, Jack.
Emde, Kurt, and Steglich.
Zielkowski, Walter S., Flushing, and T. Poprocki, Jamaica Estates, N. Y. Display stand. 157,260, Feb. 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Royal K., Jr.: *See*—
Kern, Edward A., and Abbott, Jr.

Abbott, Royal K., Jr., Pittsfield, Mass., assignor to General Electric Company. Vinyl compounds and their preparation. 2,498,473, Feb. 21.

Aberle, Roy, assignor to Southworth Machine Company, Portland, Maine. Sheet feeding machine. 2,497,849, Feb. 21.

Adams, John Q., Schenectady, N. Y., assignor to General Electric Company. Saturable magnetic core. 2,498,475, Feb. 21.

Addressograph-Multigraph Corporation, assignee: *See*—
Gruver, John H.

Adler, John H., assignor to Jax, Inc., Pittsburgh, Pa. Portable service station mounted on a vehicle. 2,498,229, Feb. 21.

Admiral Corporation, assignee: *See*—
Faulkner, Willard.

Aeroquip Corporation, assignee: *See*—
Brandau, Marvin W., and Main, Jr.

Aktiebolaget Addo, assignee: *See*—
Lundin, Sven A. E.

Aktiengesellschaft Brown, Boveri & Cie: *See*—
Scharli, Rudolf, and Meyerhans.

Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive axle quill drive. 2,498,230, Feb. 21.

Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulation of high-frequency generators. 2,498,059, Feb. 21.

Alexander, David P., Farnborough, England. Control of electric motors for operation of wing flaps of aircraft. 2,498,231, Feb. 21.

Alexander, Philip, New York, N. Y., assignor to Prel Inc. Compressed gas capsule with dispensing punch. 2,498,147, Feb. 21.

Alexander, Victor R., Independence, Mo. Coffee-making apparatus. 2,498,386, Feb. 21.

Alfonso, Joseph R., New York, N. Y. Motion-art mechanical toy. 2,498,476, Feb. 21.

Alk, Abraham, Paterson, N. J. Daylight developing apparatus for photographic films. 2,498,477, Feb. 21.

Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal for floating roof tanks. 2,497,850, Feb. 21.

Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Lifter roof storage tank. 2,497,851, Feb. 21.

Allimann, Georges, Mulhouse, France. Socket for pit props. 2,498,060, Feb. 21.

All-Steel-Equip Company, assignee: *See*—
Rudolph, Nathan H.

American Blower Corporation, assignee: *See*—
Koch, John B.

American Cyanamid Company, assignee: *See*—
Bernstein, Seymour, and Sax.
Dean, Russell T.
Kropa, Edward L., Craig, and Nyquist.
Nagy, Daniel E., and Kaiser.
Sutherland, Leslie H., Jr.

American Flange & Manufacturing Co., Inc., assignee: *See*—
Roberts, Seward M.

American Machine and Metal, Inc., assignee: *See*—
Le Van, Ambrose E.

American Steel Foundries, assignee: *See*—
Tack, Carl E.

American Stove Company, assignee: *See*—
Moecker, Henry, Jr., Frick, Meacham, and White.

American Tool & Machine Co., assignee: *See*—
Tholl, John E.

Anacabe, Frank: *See*—
Gaviola, Frank.

Anaconda Wire and Cable Company, assignee: *See*—
Hickernell, Latimer F.

Anderson, Olaf R., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Liquefied gas dispensing apparatus. 2,497,969, Feb. 21.

Andersson, J. E.: *See*—
Fryer, Louis S., Andersson, and Jokilehto.

Andrews, John M., assignor to York Corporation, York, Pa. Electrical liquid level control. 2,498,232, Feb. 21.

Andrews, Norman F.: *See*—
Paradise, Louis A., Coultas, and Andrews.

Angelino, Vincent, assignee: *See*—
Bosselli.

Angelo, Michael: *See*—
Rambo, Francis R., and Angelo.

Anglo, James E., St. Paul, assignor to Coca Cola Bottling Company of Minnesota, Incorporated, Minneapolis, Minn. Warning signal for crowning machines. 2,498,193, Feb. 21.

Apgar, Charles W., assignor, by mesne assignments, to A. L. Rosenfeld, C. W. Apgar, and F. R. Mann, Philadelphia, Pa., as trustees. Stock take-off apparatus. 2,498,061, Feb. 21.

Arenstein, Gilbert H., Dayton, Ohio. Transmitter buoy. 2,497,852, Feb. 21.

Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Blue glass and making. 2,498,387, Feb. 21.

Armour and Company, assignee: *See*—
Ralston, Anderson W., Turinsky, and Van Akkeren.

Arnold, Joseph G., Chicago, Ill., and W. C. Piggott, Port Arthur, Tex., assignors to Chicago Bridge & Iron Company. Apparatus for projecting circular markings upon nonplanar surfaces. 2,497,853, Feb. 21.

Arthur, Robert A., Santa Monica, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Flow control valve. 2,498,194, Feb. 21.

Associated Development & Research Corporation, assignee: *See*—
Wallach, Robert S.

Atkins, Allen L., Chicago, Ill. Electric pyrographic instrument. 2,498,328, Feb. 21.

Atlantic Refining Company, The, assignee: *See*—
Ramser, John H.

Aune, Alan E., Lowell, Mass., assignor to United States Rubber Company, New York, N. Y. Wire splicer. 2,498,062, Feb. 21.

Avco Manufacturing Corporation, assignee: *See*—
Kilgour, Charles E.
Vutz, Wilhelm, and Bruggeman.

Baker, Rest R., Pittsburgh, and W. R. Harris, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive system. 2,498,234, Feb. 21.

Baker, Robert M., Baltimore, and E. M. Wharff, Arbutus, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency apparatus. 2,498,233, Feb. 21.

Baldwin Company, The, assignee: *See*—
Mork, Raymond P.

Ball, Alpheus M., Blacksburg, Va., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Explosive composition. 2,498,388, Feb. 21.

Ballard, Lester W., Avenal, Calif. Applying protector collars to drill pipes. 2,497,921, Feb. 21.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Amino alkyleneoxide polymerization product. 2,498,195, Feb. 21.

Baller, Melvin D., Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War. Ultra high frequency ring oscillator. 2,497,854, Feb. 21.

Balph, Dale T., Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for drying fabrics or the like. 2,498,478, Feb. 21.

Barbee, Edwin W., San Carlos, Calif. Control mechanism for metering gases to fluids. 2,498,196, Feb. 21.

Barber, Hiram E., Crete, Nebr. Adjustable wrench having plier-like handles. 2,498,235, Feb. 21.

Barclay, William L., Jr., Scarsdale, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for alternating current motors. 2,498,236, Feb. 21.

Barlow, Benjamin W., Wembley, assignor to D. Napier & Son Limited, London, England. Internal-combustion engine power plant. 2,497,970, Feb. 21.

Barnes, Allen, Missoula, Mont. Gun sight. 2,498,329, Feb. 21.

Barnes, Frank A.: *See*—
Numsen, Phalen H., and Barnes.

Barnes, Walter C., Lake Bluff, H. W. Keevil, Evanston, and J. C. Dionne, Chicago, Ill. Flaw detecting method and apparatus for ferromagnetic bodies. 2,497,855, Feb. 21.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Apparatus and method for detecting flaws in magnetizable bodies. 2,497,856, Feb. 21.

Basterfield, Horace A., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Separation of phenols. 2,497,971, Feb. 21.

Bastian-Blessing Company, The, assignee: *See*—
Anderson, Olaf R.

Bates, Sidney E., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Actuating means for rail lubricating pumps. 2,498,519, Feb. 21.

Batt, Thomas H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Connecting device. 2,497,922, Feb. 21.

Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric motor frame construction. 2,498,389, Feb. 21.

Baxter, John L., Brunswick, Maine. Prefrying treatment of potatoes. 2,498,024, Feb. 21.

Baxter, Thomas R., Mount Vernon, Ohio, assignor to Standard Brands Incorporated, New York, N. Y. Infusion package and making same. 2,498,197, Feb. 21.

Baymond, Elmer W., Lancaster, Pa. Feed mixing machine. 2,498,237, Feb. 21.

Bazarnic, Peter P., Grosse Polute, Mich. Method of and apparatus for forming teeth of spiral or hypoid bevel gears. 2,497,923, Feb. 21.

Beach, Robin, Brooklyn, N. Y. Elimination of static electricity from aircraft. 2,497,924, Feb. 21.

Beckwith Manufacturing Company, assignee: *See*—
Greenan, Wirt G.

Bee Bee Shoe Co., assignee: *See*—
Galper, Isa.

Beech Aircraft Corporation, assignee: *See*—
Pelley, Perry H.

Beecher, Eugene L., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber construction. 2,497,972, Feb. 21.

Beeson, Carrol M., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Measuring permeability. 2,498,198, Feb. 21.

Beicher, Earl I.: *See*—
White, Fred L., and Beicher.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Albersheim, Walter J.
Edson, William A., and Wilson.
Harrison, Arthur E.
Mott, Edward E.
Seffel, Robert O., and Joel, Jr.

Bendix Aviation Corporation, assignee: *See*—
Cooke, Charles G.
Spengler, Walter J.

Bendix Home Appliances, Inc., assignee: *See*—
Mintner, George E., and Constantine.
Oliver, Wallace F., and Jensen.
Reiter, Alexander L.

Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Seal arrangement. 2,498,479, Feb. 21.

Benson, Albert H., Hopewell, N. J. Amphibious equipment for vehicles. 2,497,857, Feb. 21.

Berberich, Leo J., and W. W. Pendleton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance compositions and products thereof. 2,498,238, Feb. 21.

Berg, Egon G., and A. Voorderman, assignors to Universal Engineering Corporation, Cedar Rapids, Iowa. Rotary snowplow. 2,498,522, Feb. 21.

Bergen, Philip E., Farmington, Conn. Tire chain. 2,498,523, Feb. 21.

Berger, Leo: *See*—
Lee, John, and Berger.

Bergerioux, René, Saint-Cloud, France. Table game apparatus. 2,497,925, Feb. 21.

Bergman, John S. W., Vancouver, British Columbia, Canada. Fish lure. 2,498,352, Feb. 21.

Berkeley, Scott B., Goldsboro, N. C. Sound transmission ear vestibule for telephone conversation recording. 2,498,239, Feb. 21.

Berle, Lorna D., Pelham Manor, N. Y. Dress shield. 2,497,843, Feb. 21.

Bernstein, Seymour, and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparation of 7-dehydrocholesteryl esters. 2,498,390, Feb. 21.

Berritta, James, New Britain, Conn. Toolholder. 2,498,148, Feb. 21.

Bierce, Ernest C., Pasadena, Calif. Making activated magnesium silicates. 2,498,353, Feb. 21.

Bierlich, Knud G., West Palm Beach, Fla., and E. O. Whiteley, New York, N. Y. Preparing fertilizer concentrate. 2,498,480, Feb. 21.

Binggely, Elmer C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,498,063, Feb. 21.

Bingley, Frank J., Philadelphia, and N. F. Smith, Jr., Abington, Pa., assignors to Philco Corporation, Philadelphia, Pa. Television echo suppression system. 2,498,391, Feb. 21.

Biszantz, Fred, assignor to Hercules Steel Products Co., Galion, Ohio. Hoist mechanism for dump trucks. 2,497,844, Feb. 21.

Bituminous Coal Research, Inc., assignee: *See*—
Carlson, Henning M.

Bivans, Elbert L., Los Angeles, Calif. Fishing reel. 2,498,626, Feb. 21.

Blackburn, Wayne E., Hollywood, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,498,240, Feb. 21.

Blackmore, William, Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway journal and free oiling system therefor. 2,498,520, Feb. 21.

Blackmore, William, Richmond, Va., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Thrust arrangement for railway journal boxes. 2,498,521, Feb. 21.

Blanchard, Arthur A.: *See*—
Stockbarger, Donald C., and Blanchard.

Block, Charles F., Batavia, N. Y. Combined cigarette support and extinguisher. 2,498,330, Feb. 21.

Block, Harold H., assignor to The Garrett Corporation, Los Angeles, Calif. Low melting flux. 2,498,199, Feb. 21.

Block, Richard J., Scarsdale, assignor to The Borden Company, New York, N. Y. Preparing protamines. 2,497,858, Feb. 21.

Bloomfield, Samuel, Chicago, Ill. Ice cream disher. 2,498,331, Feb. 21.

Bludworth, Joseph E., Cumberland, Md., and M. H. Kotzebue, Houston, Tex., assignors to Celanese Corporation of America. Cooling reaction gases. 2,497,973, Feb. 21.

Board of Trustees of the University of Illinois, The, assignee: *See*—
Fellows, Julian R.
Kerst, Donald W.

Bocciarelli, Carlo V., Oxford, Pa., assignor to Philco Corporation. Magnetic lens system. 2,498,354, Feb. 21.

Bock, Louis H.: *See*—
Houk, Alva L., and Bock.

Boeing Airplane Company, assignee: *See*—
Stedman, Cecil K., Price, and Wisner.
Yourglich, Mildred M., and Bowe.

Bomgren, Alex F., Stockholm, Sweden. Production of porous clinkers. 2,498,355, Feb. 21.

Bone, James G., assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England. Latch and mask engaging means for rectilinearly moving members. 2,498,256, Feb. 21.

Booth, Jack J., Dallas, Tex. Drink vending machine. 2,498,524, Feb. 21.

Borden Company, The, assignee: *See*—
Block, Richard J.

Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stabilizing apparatus for aircraft. 2,498,064, Feb. 21.

Borg-Warner Corporation, assignee: *See*—
Haberland, Frederick C.

Boughtwood, John E., Brooklyn, N. Y., and A. E. Michon, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Frequency diversity telegraph system. 2,497,859, Feb. 21.

Bourns, Marlan E., Altadena, Calif. Pressure responsive rheostat. 2,497,974, Feb. 21.

Bowe, Hugo M.: *See*—
Yourglich, Mildred M., and Bowe.

Bowen, Hugh S., Fairfield, Ala., assignor of forty-nine per cent to W. B. Bowen, El Paso, Tex. Arc spot welding apparatus. 2,498,241, Feb. 21.

Bowen, Walter B., assignee: *See*—
Bowen, Hugh S.

Bower, James A., Chester, W. Va., assignor to Taylor, Smith & Taylor Company. Treatment of molds for making ceramic ware. 2,498,149, Feb. 21.

Boyd, John: *See*—
Peterson, Rudolph E., and Boyd.

Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,498,242, Feb. 21.

Boyle, William J., St. Louis, Mo. Adjustable motor base. 2,498,392, Feb. 21.

Bozzelli, Albert L., assignor of twenty-five per cent to V. Angelino, twenty-five per cent to F. De Thomas, Bangor, and twenty-five per cent to M. De Lesio, Roseto, Pa. Tire chain applying device. 2,497,975, Feb. 21.

Bricker, Carl W., Pfaffikon, Switzerland. Drill chuck. 2,498,525, Feb. 21.

Brahe, Dan S. and L. B., New Hartford, N. Y. Change maker. 2,498,150, Feb. 21.

Brahe, Lena B.: *See*—
Brahe, Dan S. and L. B.

Brandau, Marvin W., and B. A. Main, Jr., assignors to Aeroquip Corporation, Jackson, Mich. Coupling. 2,498,104, Feb. 21.

Brann, Charles, and W. A. Neff, Union City, and O. Lichtensteiger, Teaneck, N. J. Girdle. 2,498,481, Feb. 21.

Bray, Malcolm D., Noblesville, assignor to Eli Lilly and Company, Indianapolis, Ind. Stabilized thiamin. 2,498,200, Feb. 21.

Breeze, George E., Uncasville, and L. A. Brockwell, New London, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Pressure-armed impact-fired fuse. 2,498,025, Feb. 21.

Breisch, Edgar W., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Making insulated electrical conductors. 2,498,357, Feb. 21.

Brewer, Johnde W., Des Moines, Iowa. Shoe holder and clamp for polishing purposes. 2,498,358, Feb. 21.

Brick, Alexander, Clayton, Mo. Reversible dress. 2,498,332, Feb. 21.

Brickley, James L., Spokane, Wash. Plural-stage stone-crushing mill with independent and arcuately swingable jaws. 2,498,151, Feb. 21.

Briggs, Albert, Sr.: *See*—
Moebes, August, and Briggs, Sr.

Brimm, H. S., assignee: *See*—
Talbot, David B.

Brinker, John H., and F. Conley, assignors to The Globe-Wernicke Co., Norwood, Ohio. Folding typewriter platform for pedestal desks. 2,498,243, Feb. 21.

Brinson, Leon G.: *See*—
Spencer, Barnard J., Jr., and Brinson.

Brockwell, Lloyd A.: *See*—
Breeze, George E., and Brockwell.

Bronfield, Isadore, Waban, Mass. Winch driving mechanism. 2,498,244, Feb. 21.

Brown, Calvin F., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Mercury switch tester. 2,498,026, Feb. 21.

Brown, Edwards, Jr., Washington, D. C. Mechanism for bedding a firearm barrel in a stock. 2,497,861, Feb. 21.

Brown, Fred H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and method for thermoactive adhesive bonding of shoe parts. 2,498,027, Feb. 21.

Brown, Richard A., Eureka, Calif., assignor to Chicago Bridge & Iron Company. Pressure relief valve. 2,497,860, Feb. 21.

Bruggeman, Leo H.: *See*—
Vutz, Wilhelm, and Bruggeman.

Brunken, Renke, Shaker Heights, assignor to The White Motor Company, Cleveland, Ohio. Hydraulic transmission and control mechanism therefor. 2,498,600, Feb. 21.

Bruson, Herman A.: *See*—
Niederhauser, Warren D., and Bruson.

Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Resins from esters of 1-hydroxy-butadiene-1,3 insolubilized with nitrogen bases. 2,497,926, Feb. 21.

Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Resinous fungicidal compositions. 2,497,927, Feb. 21.

Bryant, Donald D., Huntington, W. Va. Lock-seal lid. 2,498,245, Feb. 21.

Bucher, Thomas T. N., Moorestown, N. J., assignor to Radio Corporation of America. Balanced modulation. 2,498,526, Feb. 21.

Buckel, Charles, Springfield, Oreg. Brake pedal latch. 2,498,246, Feb. 21.

Bucyrus-Erie Company, assignee: *See*—
Mork, George W., and Reuter.

Budd Company, The, assignee: *See*—
Dean, Walter B., and Fesmire.

Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Vehicle rearview mirror structure having an elastic mounting band. 2,498,065, Feb. 21.

Burgwin, Stephan L., East Aurora, J. F. Kovalsky, Buffalo, N. Y., and R. E. Hull, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed regulating system. 2,498,247, Feb. 21.

Burkhart, Allen J., Sedgwick, Kans. Tobacco harvesting machine. 2,497,845, Feb. 21.

Burks, George E., Peoria, Ill., and J. H. Sheusner, San Francisco, assignors to Caterpillar Tractor Co., San Leandro, Calif. Heat exchanger. 2,498,152, Feb. 21.

Burley, Rol, St. Paris, Ohio. Reversible cooking utensil. 2,497,976, Feb. 21.

Burns, Robert T.: *See*—
Pennow, Willis A., and Burns.

Burroughs, F. S., Co., Inc., assignee: *See*—
Burroughs, Frederick S.

Burroughs, Frederick S., Sparta, assignor to F. S. Burroughs Co., Inc., Dover, N. J. Lure. 2,497,846, Feb. 21.

Bussieres, Henri, assignor to J. Eppler, Paris, France. Telephone system. 2,498,153, Feb. 21.

Bylin, Richard S., San Marino, H. H. Covington, Alhambra, and F. F. Heydenfeldt, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Sample taking device. 2,498,601, Feb. 21.

Cadman, Norman G., and B. C. Vigor, London, England, assignors, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 2,498,482, Feb. 21.

Cafiero, Michael J., Rockville Centre, N. Y. Plaster guard. 2,497,928, Feb. 21.

California Fruit Growers Exchange, assignee: *See*—
Bylin, Richard S., Covington, and Heydenfeldt.

California Research Corporation, assignee: *See*—
Dimpfl, Ludwig H.

Caloric Stove Corporation, assignee: *See*—
Klein, Gustav.

Campbell, James A., Wilmette, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety control apparatus. 2,498,483, Feb. 21.

Canadian Car and Foundry Company Limited, assignee: *See*—
Lathrem, Charles I.

Cannon, George E.: *See*—
Huber, Theodore A., and Cannon.

Cantello, Carl J., Brooklyn, N. Y. Garter clasp. 2,498,154, Feb. 21.

Canty, Charles R., and G. A. Gavard, Winterport, Maine. Fire prevention apparatus for range burners. 2,498,484, Feb. 21.

Carlson, Henning M., Columbus, Ohio, assignor, by mesne assignments, to Bituminous Coal Research, Inc., Pittsburgh, Pa. Orifice plate. 2,497,978, Feb. 21.

Carrie, Thomas G., Montreal, Quebec, Canada. Two-cycle scavenging engine. 2,497,977, Feb. 21.

Carver, Richard N.: *See*—
Lohr, Raymond J., and Carver.

Case, J. I., Company, assignee: *See*—
Schroeppel, Paul R.

Castle, John B., Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc. Aircraft door. 2,498,527, Feb. 21.

Caterpillar Tractor Co., assignee: *See*—
Burks, George E., and Sheusner.

Cavallito, Chester J.: *See*—
Kirchner, Frederick K., and Cavallito.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., and Kotzebue.
Seymour, George W., White, and Plunguian.

Challinor, Edward L., Los Angeles, Calif. Bobby pin. 2,498,066, Feb. 21.

Chamberlain, Joseph R., assignor to York Corporation, York, Pa. Reducing frosting in low-temperature freezers. 2,498,248, Feb. 21.

Champion Paper & Fibre Company, The, assignee: *See*—
Heckel, Herman C. N.

Charlott, Arthur: *See*—
Entwistle, Robert C., and Charlott.

Chatfield, Henry B., assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind bracket. 2,498,067, Feb. 21.

Chatfield, Henry B., assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind bracket and extension mounting means therefor. 2,498,068, Feb. 21.

Chicago Bridge & Iron Company, assignee: *See*—
Allen, John W.
Arnold, Joseph G., and Piggott.
Brown, Richard A.
Fraser, Edward S.

Chuy, Nicholas, assignor to Herbnick Manufacturing and Engineering Co., Inc., Detroit, Mich. Spark plug for controlling heat ranges. 2,497,862, Feb. 21.

Ciba Limited, assignee: *See*—
Schibler, Luzius.

Cities Service Oil Company, assignee: *See*—
Greenwald, Bertrand W., and Cohen.

Clarendon, Charles H., Jackson Heights, N. Y. Infant's undershirt and the like. 2,498,528, Feb. 21.

Clark Controller Company, The, assignee: *See*—
Tregoning, William C.

Clark, James L., Elmhurst, Ill., assignor to the United States of America as represented by the Secretary of War. High-frequency oscillator. 2,498,529, Feb. 21.

Clark, John T.: *See*—
Johnson, Carroll W., and Clark.

Clawson, John H., Schenectady, N. Y., assignor to General Electric Company. Tinning a steel shell bearing. 2,498,485, Feb. 21.

Clayden, Harold, Philadelphia, Pa. Garden tool. 2,498,069, Feb. 21.

Clemmer, Julius B., Tucson, Ariz., and B. H. Clemmons, Tuscaloosa, Ala., assignors to the United States of America as represented by the Secretary of the Interior. Concentrating fluorspar ores. 2,497,863, Feb. 21.

Clemmons, Ballard H.: *See*—
Clemmer, Julius B., and Clemmons.

Clerc, Leonard F., Nutley, N. J. Refrigerator. 2,498,028, Feb. 21.

Clerc, Leonard F., Nutley, N. J. Pump. 2,498,029, Feb. 21.

Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Agitating device. 2,498,393, Feb. 21.

Clutton, Sam W., Great Falls, Mont. Grease-well journal box dust guard. 2,497,864, Feb. 21.

Coca Cola Bottling Company of Minnesota, Incorporated, assignee: *See*—
Anglo, James E.

Cochran, John K., Conyngham, Pa., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Latch mechanism for textile spindles. 2,497,865, Feb. 21.

Cochran, John K., Conyngham, Pa., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Textile spindle slide mounting. 2,497,866, Feb. 21.

Coffin, John M., Silver Spring, Md. Combination roller chock and mooring bitts. 2,498,394, Feb. 21.

Cohen, Karl, New York, N. Y., and E. H. McArdle, Linden, N. J., assignors to Standard Oil Development Company. Transferring heat by a hydrocarbon medium. 2,497,929, Feb. 21.

Cohen, Raymond K.: *See*—
Greenwald, Bertrand W., and Cohen.

Cole, Albert B. and S. H., Holborn, London, England. Construction of suit and like cases. 2,497,979, Feb. 21.

Cole, Fred H., Los Angeles, Calif. Switch contact device. 2,498,250, Feb. 21.

Cole, Melvin B., River Edge, assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Electric switch. 2,498,531, Feb. 21.

Cole, Sydney H.: *See*—
Cole, Albert R. and S. H.

Cole, William A., assignee: *See*—
Webber, John D.

Coleman, Marvin W., Dearborn, Mich. Plunger pump. 2,498,359, Feb. 21.

Coleman, Sidney B., Basking Ridge, N. J. Control means for sound-slide film projectors. 2,498,070, Feb. 21.

Commercial Solvents Corporation, assignee: *See*—
James, Robyn M.
Kloetzel, Milton C.

Compagnie de Products Chimiques et Electrometallurgiques Alais, Froges et Camargue, assignee: *See*—
Frejacques, Jean L. M.

Concord Mica Corporation, assignee: *See*—
Mattson, William M.

Conley, Frank: *See*—
Brinker, John H., and Conley.

Conlon, Thomas L., assignee: *See*—
Hamilton, Howard.

Conmar Products Corporation, assignee: *See*—
Low, Richard.

Conn, C. G., Ltd., assignee: *See*—
Kent, Earle L.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max.

Constantine, Arthur R.: *See*—
Mintner, George E., and Constantine.

Construction Machinery Company, assignee: *See*—
Smith, Earl G., and McDermott.

Conti, Angelo J.: *See*—
Heller, Max A., and Conti.

Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable counting relay system. 2,498,249, Feb. 21.

Cooke, Charles G., Little Ferry, assignor to Bendix Aviation Corporation, Teterboro, N. J. Rotary pump. 2,498,530, Feb. 21.

Copenhaver, Elmer L., Charleston, W. Va., assignor to Purity Research & Development Corporation. Endless band blade cake slicing machine. 2,498,615, Feb. 21.

Cordrey, Almon J.: *See*—
Hartman, Charles D., Jr., and Cordrey.

Corning Glass Works, assignee: *See*—
Armistead, William H.
Mochel, John M.
Peterson, Milton M.

Coss, George R., St. Clair Shores, assignor to Flex-O-Tube Company, Detroit, Mich. High-pressure swivel hose coupling. 2,498,395, Feb. 21.

Coultas, Wilbur J.: *See*—
Paradise, Louis A., Coultas, and Andrews.

Contant, André C., and J. Mathot, Paris, France. Film presser having a central projecting plane portion for moving picture cameras. 2,497,847, Feb. 21.

Covington, Harry H.: *See*—
Bylin, Richard S., Covington, and Heydenfeldt.

Craig, Louis E.: *See*—
Kropa, Edward L., Craig, and Nyquist.

Creekmore, Rufus, assignee: *See*—
Hearn, Benjamine F., Crowder, and Valentine.

Creel, Ernest S., Houston, Tex. Drill bit. 2,498,251, Feb. 21.

Creson, William K., assignor to Ross Gear & Tool Company, La Fayette, Ind. Transmission control. 2,497,930, Feb. 21.

Crompton & Knowles Loom Works, assignee: *See*—
Whitin, Herbert A.

Crouse-Hinds Company, assignee: *See*—
Rock, Joseph, Jr.

Crowder, Rowe S., assignee: *See*—
Hearn, Benjamine F., Crowder and Valentine, Sr.

Crown Cork & Seal Company, Inc., assignee: *See*—
Dennis, Stanley W.

Cunningham, James L., Kansas City, Mo. Valve. 2,498,396, Feb. 21.

Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Bignanide compounds. 2,498,252, Feb. 21.

Currie, Margaret F., Manhasset, N. Y. Hair curling device. 2,497,848, Feb. 21.

Curtis, Leslie F., Great Neck, and B. D. Loughlin, Bayside, N. Y., assignors to Hazeltine Research, Inc., Chicago, Ill. Frequency-modulation detector system. 2,498,253, Feb. 21.

Curtiss-Wright Corporation, assignee: *See*—
Dean, George A.

Cutler-Hammer, Inc., assignee: *See*—
Drugmand, Lester D., and Hampe.
Kuhn, Clarence W.

Cuypers, Michael V., New York, N. Y. Molding hollow concrete blocks. 2,498,513, Feb. 21.

Cymmer, Thomas, Jersey City, N. J. Moistureproof construction for shafts. 2,497,867, Feb. 21.

Daigle, Earl C., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Deodorizing refined petroleum oils and waxes. 2,498,201, Feb. 21.

Dalin, David, Sodertalje, Sweden. Underground exploitation of fuel deposits. 2,497,868, Feb. 21.

Daly, George M., Collingswood, N. J., assignor to Radio Corporation of America. Image projection and cabinet body means. 2,497,931, Feb. 21.

Daly, Walter J., Waterbury, Conn. Tool for sheet metal workers. 2,498,397, Feb. 21.

Dalziel, William, and J. W. Gray, Bebington, England, assignors to Lever Brothers Company, Cambridge, Mass. Stacking articles into layers. 2,498,071, Feb. 21.

Daniel, Henry B., Takoma Park, Md. Band saw attachment for producing propeller blanks. 2,497,869, Feb. 21.

Darling, Robert P., Fairview, N. J. Mechanical paintbrush. 2,498,360, Feb. 21.

Dart, Jack C., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis operation. 2,497,932, Feb. 21.

Dasher, Paul J., Willoughby, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reclaiming composite material. 2,498,398, Feb. 21.

Da Veiga Soares, João, Rio de Janeiro, Brazil. Drop counting closure for bottles and the like. 2,497,980, Feb. 21.

Davidson, Harold E., Quantico, Va. Lady's blouse. 2,498,254, Feb. 21.

Davis, Elias V., Miami, Fla. Mail receptacle. 2,498,361, Feb. 21.

Davis, William W., Greenwood, assignor to Eli Lilly and Company, Indianapolis, Ind. Linear measuring device having light projection means. 2,498,030, Feb. 21.

Dazzi, Joachim, and C. H. Rector, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride compositions. 2,498,602, Feb. 21.

Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Blade seal for propeller spinners. 2,498,072, Feb. 21.

Dean, Russell T., Baltimore, Md., assignor to American Cyanamid Company, New York, N. Y. Rubberlike polymers plasticized with dibutyl dihydracrylate. 2,498,532, Feb. 21.

Dean, Walter B., Narberth, and N. W. Fesmire, Willow Grove, assignors to The Budd Company, Philadelphia, Pa. Sleeping car room arrangement. 2,498,255, Feb. 21.

Deere & Company, assignee: *See*—
Paradise, Louis A., Coultas, and Andrews.

De Gramont, Armand A. A. A., assignor to Optique et Precision de Levallois, Levallois-Perret, France. Microscopic vernier reader. 2,497,981, Feb. 21.

Deiss, Charles, Swansea, Mass. Chain making machine. 2,498,031, Feb. 21.

De Jonge, Marvin, Zeeland, Mich. Gun sight. 2,498,155, Feb. 21.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Convection and forced draft air flow and combustion air heating furnace. 2,498,362, Feb. 21.

De Leslo, Michael, assignee: *See*—
Bozzelli, Albert L.

Dell, Albert H., Cheverly, Md., and J. H. Sreb, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Thermal circuit breaker. 2,498,032, Feb. 21.

De Loache, Waldo, assignee: *See*—
Squires, William P.

De Marinis, Michael, Bronx, N. Y. Securing paper rolls to roll shafts. 2,498,486, Feb. 21.

Dennis, Stanley W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 2,497,870, Feb. 21.

De Thomas, Firsty, assignee: *See*—
Bozzelli, Albert L.

Devers, Charles E., Long Beach, Calif. Carpenter's transit. 2,497,933, Feb. 21.

Deyo, Mark R., Peoria, Ill. Lock for doors and windows. 2,497,982, Feb. 21.

Dietz, Victor H.: *See*—
Erpf, Stanley F., Dietz, and Wirtz.

Dimick, Henry N., assignor to Hyster Company, Portland, Oreg. Intermittently operated vacuum horn. 2,498,256, Feb. 21.

Dimpfl, Ludwig H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Resinous compositions. 2,498,533, Feb. 21.

Dingman, Robert E., Indiana, Pa. Spectacle case. 2,498,202, Feb. 21.

Dionne, John C.: *See*—
Barnes, Walter C., Keevil, and Dionne.

Disto Corporation, assignee: *See*—
Trainor, Foster J.

Dodge, Adiel Y., Rockford, Ill. Transversely engaging positive clutch. 2,498,399, Feb. 21.

Dodson, Walter L., and J. E. Wilson, Brady, Tex., said Dodson assignor to said Wilson. Terracing machine. 2,498,156, Feb. 21.

Dolan, Thomas T., Chicago, Ill. Pencil guide. 2,498,105, Feb. 21.

Donohue, Frank L.: *See*—
Schneider, Gerhard G., and Donohue.

Douglas Aircraft Company, Inc., assignee: *See*—
Castle, John B.

Douma, Tjiske, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for generating high-frequency electrical oscillations. 2,498,257, Feb. 21.

Dravo Corporation, assignee: *See*—
Lester, Harry H.

Drugmand, Lester D., Greenfield, and E. M. Hampe, Richfield, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Peaking transformer. 2,498,119, Feb. 21.

Drum, Vern R., Detroit, Mich. Splatter shield for frying pans and the like. 2,498,534, Feb. 21.

Du Lude, Miriam A., St. Paul, Minn. Support for garment hangers. 2,498,400, Feb. 21.

Duncan, George R., Washington, Mo. Milking system and apparatus therefor. 2,498,401, Feb. 21.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Moffett, Walter K.
Scott, Norman D., and Rogers.

Duske, Arthur C., New York, N. Y., and R. H. Reiss, Deal, N. J., assignors to Reiss Manufacturing Corporation, Wilmington, Del. Pressing garment seams. 2,498,258, Feb. 21.

Dutton-Lainson Co., assignee: *See*—
Zaroban, Richard F.

Dyk, Simon, Manhattan, Mont. Cable tensioning device. 2,498,603, Feb. 21.

Eagle-Picher Company, The, assignee: *See*—
Fay, Samuel C.

Earle, Guyon L. C., Forest Hills, assignor, by mesne assignments, to Earle Kitchen Unit Corporation, New York, N. Y. Article rack for drawers. 2,498,402, Feb. 21.

Earle Kitchen Unit Corporation, assignee: *See*—
Earle, Guyon L. C.

Eash, George H., Toledo, Ohio. Helmet mounted loudspeaker. 2,497,871, Feb. 21.

Eastman Kodak Company, assignee: *See*—
Fallesen, George E.
Fallesen, George E., and Spence.
Hull, David C.
Stauffer, Robert E.

Eastman Oil Well Survey Company, assignee: *See*—
Gammill, Roy C.
Wright, Stanley.

Edison, Thomas A., Incorporated, assignee: *See*—
Fritzinger, George H.

Edson, William A., Atlanta, Ga., and I. G. Wilson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave electrical testing system. 2,498,073, Feb. 21.

Elastic Stop Nut Corporation of America, assignee: *See*—
Hallock, Robert L.

Elias, Solomon, New York, N. Y. Brassière halter. 2,498,487, Feb. 21.

Elleman, Tom, Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Chair iron. 2,498,106, Feb. 21.

Elmendorf, Armin, Chicago, Ill. Facing frame structures. 2,498,403, Feb. 21.

Elmer, William B., Lakewood, Ohio, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Thermostatically actuated control system. 2,498,259, Feb. 21.

Elvadoor Company, The: *See*—
Hamilton, Howard.

Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization products of styrene. 2,498,616, Feb. 21.

English Electric Company Limited, The: *See*—
Shaw, Norman H.

Entwistle, Robert C., and A. Charlott, Norwalk, Conn. Accordion keyboard silencer. 2,498,604, Feb. 21.

Eppler, Jean, assignee: *See*—
Bussières, Henri.

Ernst, Hans, and B. Sassen, Cincinnati, Ohio, assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gun control mechanism. 2,498,033, Feb. 21.

Erpf, Stanley F., San Francisco, Calif. Artificial eye. 2,497,873, Feb. 21.

Erpf, Stanley F., V. H. Dietz, and M. S. Wirtz, all of the U. S. Army, Phoenixville, Pa. Artificial eye. 2,497,872, Feb. 21.

Erwin, James A., Oak Park, Ill. Loose-leaf binder. 2,498,404, Feb. 21.

Erwood, John, Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Dithering device. 2,498,034, Feb. 21.

Esterow, Leo, New York, N. Y. Cigarette case. 2,498,035, Feb. 21.

Etablissements Edgar Brandt, assignee: *See*—
Jasse, Joseph R.

Evans, Drue E.: *See*—
Morris, Herbert E., and Evans.

Evans, Harold R., Olympia, and D. L. Schubert, assignors to Plywood Research Foundation, Tacoma, Wash. Mechanical time delay mechanism. 2,497,874, Feb. 21.

Evans, William, assignee: *See*—
Markham, Philip E.

Everitt, Fay E., Santa Monica, Calif. Brassière. 2,497,934, Feb. 21.

Fabis, Anthony J., Chicago, Ill. Comb. 2,497,983, Feb. 21.

Fabis, Bruno J., Melrose Park, Ill. Signal for mailboxes. 2,498,260, Feb. 21.

Factory Mutual Research Corporation, assignee: *See*—
Thompson, Norman J.

Fader, Edmund F., Philadelphia, Pa., assignor to The Jeffrey Manufacturing Company. Continuous vibrating reaction chamber. 2,498,405, Feb. 21.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Gassner, Alfred A.

Falk, Harold W., Minneapolis, assignor to Wright Products, Inc., St. Paul Park, Minn. Window fastener. 2,498,535, Feb. 21.

Fallesen, George E., assignor to Eastman Kodak Company, Rochester, N. Y. Direct positive photographs using aerial fogging developer. 2,497,875, Feb. 21.

Fallesen, George E., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Producing direct positive photographic images. 2,497,876, Feb. 21.

Farr, Edward A., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Room heater. 2,498,157, Feb. 21.

Faulkner, Willard, assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Phonograph record holding spindle. 2,498,333, Feb. 21.

Fay, Samuel C., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Demonstration device. 2,498,406, Feb. 21.

Federal Electric Products Company, assignee: *See*—
Cole, Melvin B.

Federal Manufacturing & Engineering Corp., assignee: *See*—
Kaplowitz, Morris.

Feldman, John E., Garfield, N. J., assignor to United States Rubber Company, New York, N. Y. Making novelty displays. 2,498,074, Feb. 21.

Fellows, Julian R., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Refractory element for downdraft furnaces. 2,497,877, Feb. 21.

Ferguson, Alan C., assignor to Hyde Manufacturing Company, Southbridge, Mass. Tool handle. 2,498,107, Feb. 21.

Ferrando, James, South Leechburg, Pa. Sheet metal bundling machine. 2,497,984, Feb. 21.

Ferris, Robert G.: *See*—
Jordan, James D., and Ferris.

Fesmire, Norman W.: *See*—
Dean, Walter B., and Fesmire.

Feurer Bros., Inc., assignee: *See*—
Feurer, Robert.

Feurer, Robert, Jackson Heights, assignor to Feurer Bros., Inc., New York, N. Y. Dust-tight watch crown. 2,497,935, Feb. 21.

Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Code printer. 2,497,936, Feb. 21.

Fine, Charles A., Los Angeles, Calif. Metering and delivering lubricants and the like. 2,498,407, Feb. 21.

Fischer, Wilbur E., Freeport, N. Y. Child's play pen. 2,498,203, Feb. 21.

Fishback, John H., Noblesville, Ind. Hand tool for breaking loose tire casing from its rim. 2,498,075, Feb. 21.

Flanagan, Thomas C., assignee: *See*—
Seiden, Herman L.

Flex-O-Tube Company, assignee: *See*—
Coss, George R.

Florman, Irving, New York, N. Y. Catalytic lighter. 2,497,937, Feb. 21.

Florman, Irving, New York, N. Y. Cigarette lighter. 2,498,536, Feb. 21.

Florman, Irving, New York, N. Y. Cigarette lighter. 2,498,537, Feb. 21.

Ford, Ernest L.: *See*—
Hughes, Benjamin D., and Ford.

Foster, Harry R., East Orange, assignor to Ohmega Laboratories, Pine Brook, N. J. Wide-range sweeping oscillator. 2,498,076, Feb. 21.

Foster, Thomas J., Ridgewood, N. J. Apparatus for mixing and pouring a quick-setting material. 2,498,363, Feb. 21.

Fowler, John T., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hammer mill with traveling breaker plate. 2,497,985, Feb. 21.

Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Antistatic textile materials. 2,498,408, Feb. 21.

Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical protective device. 2,498,120, Feb. 21.

Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Purification of lower olefins. 2,498,204, Feb. 21.

Franklin, Clarence B., Inkster, Mich. Toy vehicle. 2,498,409, Feb. 21.

Fraser, Douglas, & Sons Limited, assignee: *See*—
Fraser, Hugh.

Fraser, Edward S., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Sealing and leveling means for lifter roof tanks. 2,497,878, Feb. 21.

Fraser, Hugh, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland. Arrangement for drafting and twisting fibrous material in spinning frames. 2,498,364, Feb. 21.

Frederick, Fred A., assignor to Motor Wheel Corporation, Lansing, Mich. Journal box lid. 2,498,158, Feb. 21.

Frejacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Synthetic manufacture of urea. 2,498,538, Feb. 21.

Frejacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris France. Crystallizing urea. 2,498,539, Feb. 21.

Frerer, Paul G., assignor to Perfex Corporation, Milwaukee, Wis. Overfire air blower control for stoker supplied furnaces. 2,497,879, Feb. 21.

Frick, William H.: *See*—
Moecker, Henry, Jr., Frick, Meacham, and White.

Friedman, Werther, assignor to Hy, Herbert, and L. Perlman, a partnership doing business as Hy Perlman & Co., New York, N. Y. Slip. 2,497,938, Feb. 21.

Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Uniform scale electrical ratio instrument. 2,498,261, Feb. 21.

Fryer, Louis S., Cleveland, P. J. E. Anderson, Lakewood, and W. J. Jokilehto, Ashtabula, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for processing thread in the form of a package. 2,498,540, Feb. 21.

Fyler, George W., Lombard, Ill., assignor to General Electric Company. Television intercarrier or sound receiver circuit. 2,498,488, Feb. 21.

Gabriel Company, The, assignee: *See*—
Beecher, Eugene L.

Gallo, Salvatore G.: *See*—
Robey, Richard F., and Gallo.

Galper, Isa, assignor to Bee Bee Shoe Co., Manchester, N. H. Shoemaking apparatus. 2,498,541, Feb. 21.

Gammill, Roy C., Oklahoma City, Okla., assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Whipstock. 2,498,159, Feb. 21.

Ganzinotti, Paul, assignor to Hudson Pearl Company, Union City, N. J. Method and apparatus for making beads or the like. 2,498,365, Feb. 21.

Garbell, Maurice A., assignor of one-fourth to Maurice A. Garbell, Inc., and three-fourths to Garbell Research Foundation, San Francisco, Calif. Fluid foil lifting surface. 2,498,262, Feb. 21.

Garbell, Maurice A., Inc., assignee: *See*—
Garbell, Maurice A.

Garbell Research Foundation, assignee: *See*—
Garbell, Maurice A.

Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Relief valve for power transmissions. 2,498,542, Feb. 21.

Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,498,543, Feb. 21.

Garner, Macon M., Pine Lawn, Mo. Saddle buckle. 2,498,334, Feb. 21.

Garraway, George H., Westfield, and N. F. Myers, Short Hills, N. J., assignors to Standard Oil Development Company. Oil prospecting device. 2,497,939, Feb. 21.

Garrett Corporation, The, assignee: *See*—
Block, Harold H.

Garrett Corporation, Airesearch Manufacturing Company division, The, assignee: *See*—
Arthur, Robert A.
Rommel, William G.

Gassner, Alfred A., New York, N. Y., assignor to Fairchild Engine and Airplane Corporation. Retractable landing gear. 2,497,880, Feb. 21.

Gavaliet, André, Paris, France. Electrical contact device. 2,498,410, Feb. 21.

Gavard, George A.: *See*—
Canty, Charles R., and Gavard.

Gaviola, Frank, and F. Anacabe, Elko, Nev. Power-operated saw. 2,498,160, Feb. 21.

Gelb, Oliver H., Corunna, Mich. Collapsible canine kennel. 2,498,411, Feb. 21.

General Aniline & Film Corporation, assignee: *See*—
Fox, Arthur L.
Haff, Richard M.
Hanford, William E.
Thompson, Henry T.

General Electric Company, assignee: *See*—
Abbott, Royal K., Jr.
Adams, John Q.
Bensen, Igor B.
Clawson, John H.
Fyler, George W.
Jensen, Richard C.
Kern, Edward A., and Abbott, Jr.
McFarland, George L., Jr., and Goetz.
Ransley, Charles E.
Wagner, Ernest A.
Wotring, Gaylord H.

Geneva Processes, Inc., assignee: *See*—
Iredale, Henry D.

Gerhardt, Andrew H., Skokie, Ill., assignor to Thor Corporation. Clothes receptacle for washing machines. 2,498,544, Feb. 21.

Gerhardt, Andrew H., Skokie, Ill., assignor to Thor Corporation. Lapboard for ironing machines. 2,498,545, Feb. 21.

Gershon, Solomon D.: *See*—
Rider, Theodore H., Humoller, and Gershon.

Gibson, J. O., assignee: *See*—
Squires, William P.

Gilliland, Edwin R.: *See*—
Lewis, Warren K., and Gilliland.

Gilpatrick, Halbert B., Broadbent, Oreg. Lock ring safety bar for tires. 2,498,412, Feb. 21.

Girdler Corporation, The, assignee: *See*—
Jennings, Sheldon V.

Glass, Marvin I., Chicago, Ill. Domestic utensil set. 2,498,413, Feb. 21.

Gleitz, Herbert, Euclid, and C. E. Miller, East Cleveland, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Textile spindle mounting. 2,497,881, Feb. 21.

Glidden Company, The, assignee: *See*—
Hampton, Burt L.

Globe-Wernicke Co., The, assignee: *See*—
Brinker, John H., and Conley.
Hearn, Thomas A.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyglycol products. 2,498,617, Feb. 21.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyglycol sulfate salts of diaminodiphenyl sulfones and preparation thereof. 2,498,618, Feb. 21.

Gluesenkamp, Earl W., Centerville, and M. Kosmin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Polyglycolsulfonic acid salts of diaminodiphenyl sulfone and preparation thereof. 2,498,619, Feb. 21.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Ignition apparatus for combustion chambers using intermingled combustion liquids. 2,498,263, Feb. 21.

Goetz, Ernest F.: *See*—
McFarland, George L., Jr., and Goetz.

Goldberg, Hermine, assignor of one-half to R. D. Goldberg, Omaha, Nebr. Stiffened cloth. 2,498,077, Feb. 21.

Goldberg, Ralph D., assignee: *See*—
Goldberg, Hermine.

Goldenberg, Leon, Shreveport, La. Floor polisher. 2,498,205, Feb. 21.

Goldhard, Franz K., London, England. Injection molding machine. 2,498,264, Feb. 21.

Gondar, Rudolph, Stratford, Conn. Collapsible loading and storing device. 2,498,414, Feb. 21.

Goode, Joseph H., Houston, Tex. Adjustable pipe connection. 2,497,986, Feb. 21.

Goode, Joseph H., Houston, Tex. Adjustable connection for pipes. 2,497,987, Feb. 21.

Goodrich, B. F., Company, The, assignee: *See*—
Dasher, Paul J.
L'Hollier, Leslie H.

Gorin, Everett: *See*—
Kilgren, Evert W., and Gorin.

Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of halogenated hydrocarbons. 2,498,546, Feb. 21.

Grace, William J., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Transmission. 2,498,036, Feb. 21.

Gray, John W.: *See*—
Dalziel, William, and Gray.

Green, David F., Ealing, London, and J. E. Salmon, assignors to Vandervell Products Limited, London, England. Indium plating. 2,497,988, Feb. 21.

Green, Henry, deceased, late of Forks Township, Northampton County, Pa., by M. L. Green, executrix, Easton, Pa., assignor to Interchemical Corporation, New York, N. Y. Apparatus for measuring adherence of coating films. 2,498,265, Feb. 21.

Green, Mildred L., executrix: *See*—
Green, Henry.

Greenan, Wirt G., Revere, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Last for use in the manufacture of safety shoes. 2,498,037, Feb. 21.

Greenwald, Bertrand W., and R. K. Cohen, Pawhuska, assignors to Cities Service Oil Company, Bartlesville, Okla. Production of paraformaldehyde. 2,498,206, Feb. 21.

Greer, Edward M., Hempstead Township, Nassau County, N. Y., and D. A. Stark, Chicago, Ill., assignors to Greer Hydraulics Inc., Brooklyn, N. Y. Automatic gauge valve. 2,498,366, Feb. 21.

Greer Hydraulics Inc., assignee: *See*—
Greer, Edward M., and Stark.

Gridiron Steel Company, assignee: *See*—
Sherbondy, Earl H.

Gruver, John H., East Cleveland, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Plate handling mechanism for embossing machines. 2,498,038, Feb. 21.

Guagliano, Pasquale, Mill Valley, Calif. Liquid cement brush wiper. 2,498,266, Feb. 21.

Guarantee Specialty Manufacturing Company, The, assignee: *See*—
Chatfield, Henry B.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Gunderson, Ralph R., Chicago, Ill. Valve mechanism for power brakes. 2,498,108, Feb. 21.

Gunn, Townsend M., assignor to Metals and Controls Corporation, Attleboro, Mass. Thermostatic circuit breaker with contact arc prevention. 2,498,039, Feb. 21.

Gunther, Roland E., Oceanside, N. Y. Rotating cutting disk type lawn mower. 2,498,415, Feb. 21.

Haberland, Frederick C., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Valve. 2,498,121, Feb. 21.

Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Decating fabrics. 2,498,416, Feb. 21.

Haff, Richard M., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Registering and printing frame. 2,498,417, Feb. 21.

Haggart, John C., Jr., Los Angeles, Calif. Molding reflector devices. 2,498,489, Feb. 21.

Hall, Henry D., Concord, assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass. Voltage indicating device. 2,498,490, Feb. 21.

Hall, Hugh B., Opelika, Ala. Turntable. 2,497,989, Feb. 21.

Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union Township, N. J. Fastening device. 2,498,627, Feb. 21.

Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Synthetic fiber preparation. 2,498,605, Feb. 21.

Hamilton, Howard, assignor to H. Hamilton, H. E. Helm, T. L. Conlon, and J. H. Pace, doing business as The Elvadoor Company, Detroit, Mich. Cargo handling means. 2,498,161, Feb. 21.

Hammond Instrument Company, assignee: *See*—
Hammond, Lauren, and Hanert.

Hammond, Laurens, Chicago, and J. M. Hanert, Park Ridge, Ill., assignors to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,498,367, Feb. 21.

Hampe, Edward M.: *See*—
Drugnand, Lester D., and Hampe.

Hampton, Hurt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Refined rosin products and processes. 2,497,882, Feb. 21.

Hancock, Hester K.: *See*—
Hancock, Thad L. and H. K.

Hancock, Thad L. and H. K., La Marque, Tex. Safety driving light mounting. 2,498,620, Feb. 21.

Hanert, John M.: *See*—
Hammond, Laurens, and Hanert.

Hanford, William E., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Production of azo dyestuff images from N-acyl-N-aryl hydrazine developers. 2,498,418, Feb. 21.

Haniuk, Nicholas K., Santa Monica, Calif. Digit sucking deterrent. 2,498,122, Feb. 21.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency amplifier. 2,498,267, Feb. 21.

Harbaugh, Willis E.: *See*—
Reilly, Gerard J., and Harbaugh.

Harbeck, Merle J., Buffalo, N. Y. Shuffleboard weight position indicator. 2,498,547, Feb. 21.

Harder, Edwin L., Pittsburgh, Pa., and H. S. Kirschbaum, Columbus, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,498,268, Feb. 21.

Harms, Cecil A.: *See*—
Kennedy, Rollis A., and Harms.

Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation. Electronic computer. 2,497,883, Feb. 21.

Harris, Walter R.: *See*—
Baker, Rest R., and Harris.

Harrison, Arthur E., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Common control for electrical tuners and couplers. 2,498,078, Feb. 21.

Harrison Dental Company, Inc., The, assignee: *See*—
Harrison, William M.

Harrison, William M., Terrace Park, assignor to The Harrison Dental Company, Inc., Cincinnati, Ohio. Curing acrylic base denture material. 2,498,368, Feb. 21.

Hart, Edward: *See*—
Smith, Albert M., and Hart.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Douma, Tjiske.
Legras, August N.

Hartley Pen Company, assignee: *See*—
Schrader, Clarence O., and Sears.

Hartman, Charles D., Jr., New York, and A. J. Cordrey, Garden City, N. Y. Split ammonia absorption system. 2,498,369, Feb. 21.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sequence weld timer. 2,498,269, Feb. 21.

Harvey Radio Laboratories, Inc., assignee: *See*—
Hall, Henry D.

Haury, Vernon E., Simi, assignor to Shell Development Company, San Francisco, Calif. Preparing unsaturated imines. 2,498,419, Feb. 21.

Hawley, Joe E., Twin Falls, Idaho. Combined traffic signal and guard. 2,498,270, Feb. 21.

Hazeltine Research, Inc., assignee: *See*—
Curtis, Leslie F., and Loughlin.

Hearn, Benjamine F., assignor of twenty per cent to R. S. Crowder, Jackson, Miss., thirty-seven per cent to H. S. Valentine, Sr., Phoenix, Ariz., and five per cent to R. Creekmore, Jackson, Miss. Inclined current fluid suspension ore separator. 2,497,884, Feb. 21.

Hearn, Thomas A., Ludlow, Ky., assignor to The Globe-Wernicke Co., Norwood, Ohio. Desk pedestal locking structure. 2,498,271, Feb. 21.

Heaton, Earl H.: *See*—
Knudsen, Percy E., and Heaton.

Heckel, Herman C. N., Oxford, assignor to The Champion Paper & Fibre Company, Hamilton, Ohio. Paper coating composition and coated paper. 2,498,207, Feb. 21.

Heftler, Paul, Chicago, Ill. Carpet sweeper. 2,497,885, Feb. 21.

Heftler, Paul, Chicago, Ill. Carpet sweeper. 2,497,886, Feb. 21.

Heller, Max A., and A. J. Conti, Denver, Colo. Conversion gas burners having forced primary air. 2,498,162, Feb. 21.

Helm, Homer E., assignee: *See*—
Hamilton, Howard.

Hemmeter, George T., Berkeley, Calif. Combination clothes washer and extractor. 2,498,420, Feb. 21.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Conversion process. 2,497,940, Feb. 21.

Herbnick Manufacturing and Engineering Co., Inc., assignee: *See*—
Chuy, Nicholas.

Herchenroeder, Louis W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Machine-tool control system. 2,498,272, Feb. 21.

Hercules Steel Products Co., assignee: *See*—
Biszantz, Fred.

Hermann, Edward O., Mill Valley, Calif. Hoist safety device. 2,498,422, Feb. 21.

Hertig, Marshall, Minneapolis, Minn. Bowling slide rule. 2,498,421, Feb. 21.

Heuschkel, Julius, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance welding metal of different thicknesses. 2,498,492, Feb. 21.

Heuschkel, Julius, Pittsburgh, Pa., and P. M. La Hue, Denver, Colo., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding control. 2,498,491, Feb. 21.

Heydenfeldt, Frederick F.: *See*—
Bylin, Richard S., Covington and Heydenfeldt.

Hickernell, Latimer F., Irvington, N. Y., assignor to Anaconda Wire and Cable Company. Electrically conducting composite sheet. 2,498,493, Feb. 21.

Hickernell, Latimer F., Irvington, N. Y., assignor to Anaconda Wire and Cable Company. Electrical cable. 2,498,494, Feb. 21.

Hilliman, Conway D., East Orange, assignor to Keuffel & Esser Company, Hoboken, N. J. Transit vertical circle reading device. 2,498,273, Feb. 21.

Hilpert, Meier G., Bethlehem, Pa. Panel building construction. 2,497,887, Feb. 21.

Hirschfelder, Joseph O., Madison, Wis., assignor to the United States of America as represented by the Secretary of War. Preventing excessive combustion pressure in rocket motors. 2,497,888, Feb. 21.

Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Lubricated friction clutch. 2,498,123, Feb. 21.

Hobbs Transmission Limited, assignee: *See*—
Hobbs, Howard F.

Hobson, Elmer B., Wichita, Kans. Rotary scraping tool for meat blocks or the like. 2,497,941, Feb. 21.

Hockery, John C., trustee, assignee: *See*—
McLean, Robert E.

Hoffmann-La Roche, Inc., assignee: *See*—
Lee, John.
Lee, John, and Berger.
Lee, John, and Ziering.

Holmes, George E., Detroit, Mich. Fuse plug. 2,498,124, Feb. 21.

Holmes, Robert H., assignee: *See*—
Lincoln, Carl E.

Hoover Company, The, assignee: *See*—
Binggely, Elmer C.
Segesman, Louis E.
White, Harry B.

Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Grinding noncircular sections. 2,498,163, Feb. 21.

Hotpoint Inc., assignee: *See*—
Schulze, Herman W.

Houk, Alva L., San Luis Obispo, Calif., and L. H. Bock, Huntington Valley, assignors to Röhm & Haas Company, Philadelphia, Pa. Insolubilized cellulose ether. 2,498,208, Feb. 21.

Howard, Robert A., Lexington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Comparator circuit. 2,498,548, Feb. 21.

Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Demagnetizing high coercive force materials. 2,498,423, Feb. 21.

Howell, Lynn G.: *See*—
Looney, Charles T. G., Howell and Johnston.

Huber, Theodore A., and G. E. Cannon, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for logging boreholes. 2,497,990, Feb. 21.

Hudson Pearl Company, assignee: *See*—
Ganzhorn, Paul.

Huebner, William C., New York, N. Y. Photographic cylindrical composing apparatus having auxiliary supports. 2,497,991, Feb. 21.

Hughes, Benjamin D., and E. L. Ford, London, England. Automatic ventilator for closed carriages. 2,497,942, Feb. 21.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of ethers using aldehyde-activated catalysts. 2,497,889, Feb. 21.

Hull, Robert E.: *See*—
Burgwin, Stephan L., Kovalsky, and Hull.

Hume, Patrick H., assignee: *See*—
Oakes, Nathan W.

Humoller, Fred L.: *See*—
Rider, Theodore H., Humoller and Gershon.

Humphrey, John P., Kiowa, Kans. Down beater for combines. 2,498,424, Feb. 21.

Hunt, Edward W., Chesham, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Termination for coaxial lines. 2,498,335, Feb. 21.

Hunter Douglas Corporation, assignee: *See*—
Hunter, Joseph L.

Hunter, Joseph L., assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Tilting mechanism for Venetian blinds. 2,498,079, Feb. 21.

Hunziker, Rudolf, Neuenegg, Switzerland. Sanding device for vehicles. 2,498,164, Feb. 21.

Hurst, Charles A., Jr.: *See*—
Stine, Lester G., and Hurst, Jr.

Hutchinson, Harold K.: *See*—
Shepard, Robert O., and Hutchinson.

Hyde Manufacturing Company, assignee: *See*—
Ferguson, Alan C.

Hydro-Blast Corporation, The, assignee: *See*—
Petty, Daniel H.
Webster, Ronald, and Petty.

Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Adjustable gearing. 2,498,606, Feb. 21.

Hyster Company: *See*—
Dimick, Henry N.

Illinois Tool Works, assignee: *See*—
Poupitch, Ouglјesa J.
Swanson, Forrest R.

Illinois Watch Case Co., assignee: *See*—
Koeber, Henry J., Jr.

Imperial Chemical Industries Limited, assignee: *See*—
Basterfield, Horace A.
Curd, Francis H. S., and Rose.
Sexton, William A., Slade, and Templeman.

Indiana Steel Products Company, The: *See*—
Howell, Hugh A.

Industrial Rayon Corporation, assignee: *See*—
Fryer, Louis S., Andersson, and Jokilehto.

Ingwer, Max, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Sewing-machine repair vise. 2,497,943, Feb. 21.

Interchemical Corporation, assignee: *See*—
Green, Henry.
Kass, Peter, and Nichols.
Nichols, Joseph.
Weltmann, Ruth N.

Interior, United States of America, as represented by the Secretary of the, assignee: *See*—
Clemmer, Julius B., and Clemmons.

Iredale, Henry D., assignor to Geneva Processes, Inc., Geneva, N. Y. Processing mill. 2,498,209, Feb. 21.

Ivy, Joe G., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary electric machine. 2,498,274, Feb. 21.

Jacques, Innocenza S., St. Louis, Mo. Shoulder pads. 2,497,992, Feb. 21.

James, Herbert A., Philadelphia, Pa. Axially movable piston type hydraulic clutch. 2,497,993, Feb. 21.

James, Robyn M., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of riboflavin. 2,498,549, Feb. 21.

Jasse, Joseph R., assignor to Etablissements Edgar Brandt, Paris, France. Projectile equipped with fins. 2,498,080, Feb. 21.

Jax, Inc., assignee: *See*—
Adler, John H.

Jeffrey Manufacturing Company, The, assignee: *See*—
Bauroth, Walter J.
Fader, Edmund F.
Fowler, John T.

Jendresen, Carl J., Mission, Tex. Combination natural and forced draft unit. 2,497,944, Feb. 21.

Jennings, Sheldon V., New Albany, Ind., assignor to The Girdler Corporation, Louisville, Ky. Dielectric heating apparatus. 2,497,945, Feb. 21.

Jensen, Alfred L.: *See*—
Oliver, Wallace F., and Jensen.

Jensen, Richard C., Scotia, N. Y., assignor to General Electric Company. Method and apparatus for producing rapid build-up of radio frequency oscillations. 2,498,495, Feb. 21.

Joel, Amos E., Jr., New York, and R. O. Soffel, Hastings-on-Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic counting. 2,498,081, Feb. 21.

Johansson, Axel K., E. D. Lindblom and H. I. O. Ohlberger, Finspong, Sweden. Blade ring for radial-flow elastic fluid turbines. 2,498,425, Feb. 21.

Johnson, Balbina A., Scarsdale, and F. L. Meleney, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Producing bacitracin. 2,498,165, Feb. 21.

Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Dental chair unit. 2,498,550, Feb. 21.

Johnson, Ralph E., Lancaster, Pa., assignor to Radio Corporation of America. Gun structure for cathode-ray tubes. 2,498,082, Feb. 21.

Johnson, Roy W., Detroit, Mich. Catadioptric reflex reflecting lens. 2,498,426, Feb. 21.

Johnson, Wallace C., Kennett Square, Pa. Producing propeller constructions. 2,498,275, Feb. 21.

Johnston, Bruce G.: *See*—
Looney, Charles T. G., Howell, and Johnston.

Jokilehto, Wayne J.: *See*—
Fryer, Louis S., Andersson, and Jokilehto.

Jones, Frank W., assignee: *See*—
Talbot, David B.

Jones, Richard H., St. Louis, Mo. Stove. 2,497,994, Feb. 21.

Jonsrud, Robert, Sandy, Oreg. Log house construction. 2,498,551, Feb. 21.

Jordan, James D., Washington, D. C., and R. G. Ferris, Harvard, Ill., assignors to the United States of America as represented by the Secretary of the Navy. Setback switch. 2,498,040, Feb. 21.

Julie, Peter, Detroit, Mich. Combination scooter and sled. 2,497,995, Feb. 21.

Jullie, Joseph T., assignor to Strutwear, Inc., Minneapolis, Minn. Point straightening mechanism for knitwear looping machines. 2,498,496, Feb. 21.

Julyan, Fred G., Euclid, and W. M. Schweickart, Bay Village, Ohio, assignors to Pocahontas Fuel Company Incorporated, New York, N. Y. Ash receptacle. 2,498,370, Feb. 21.

Kaiser, Donald W.: *See*—
Nagy, Daniel E., and Kaiser.

Kany, James P., San Diego, Calif. Building block. 2,498,276, Feb. 21.

Kaplowitz, Morris, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Camera shutter and synchronizing switch. 2,498,277, Feb. 21.

Kaplowitz, Morris, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Holder for light-control devices. 2,498,278, Feb. 21.

Kaplowitz, Morris, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Photographic shutters having movable blade and retarding means. 2,498,279, Feb. 21.

Kass, Peter, Wilmington, Del., and J. Nichols, assignors to Interchemical Corporation, New York, N. Y. Drying oils. 2,497,890, Feb. 21.

Kearney, James R., Corporation, assignee: *See*—
Fox, Charles A.

Keevil, Henry W.: *See*—
Barnes, Walter C., and Keevil.
Barnes, Walter C., Keevil, and Dionne.

Kellogg, M. W., Company, The, assignee: *See*—
Layng, Edwin T., and Rubin.

Kelly, William H.: *See*—
Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.

Kendall Company, The, assignee: *See*—
Martin, John B.

Kennedy, Gilbert J., Philadelphia, Pa., assignor to Radio Corporation of America. Reel tension device. 2,498,336, Feb. 21.

Kennedy, Rollis A., and C. A. Harms, Seattle, Wash. Pocket clinometer. 2,498,083, Feb. 21.

Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Electrical musical instrument. 2,498,337, Feb. 21.

Kern, Edward A., and R. K. Abbott, Jr., Pittsfield, Mass., assignors to General Electric Company. Vinyldibenzofuran polymers. 2,498,474, Feb. 21.

Kerst, Donald W., Champaign, assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Betatron injector structure. 2,497,891, Feb. 21.

Keuffel & Esser Company, assignee: *See*—
Hillman, Conway D.

Kharibian, Krikor, Boston, Mass. Revolving duster. 2,497,996, Feb. 21.

Kilcour, Charles E., assignor to AVCO Manufacturing Corporation, Cincinnati, Ohio. Piezoelectric phonograph pickup device. 2,498,210, Feb. 21.

Kilgren, Evert W., and E. Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Halogenation process. 2,498,552, Feb. 21.

Kimble, Dwight M., assignor to Union Oil Company of California, Los Angeles, Calif. Purification of alcohols. 2,497,997, Feb. 21.

King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable-voltage drive for reversible operation. 2,498,280, Feb. 21.

Kirchner, Frederick K., and C. J. Cavallito, Albany, assignors to Sterling Drug Inc., New York, N. Y. 2[2 (Phthalimido) ethyl]pyridines. 2,498,497, Feb. 21.

Kirschbaum, Herbert S.: *See*—
Harder, Edwin L., and Kirschbaum.

Klar, Adolph, New York, N. Y. Cap. 2,497,892, Feb. 21.

Klebe, Erich O., Minneapolis, Minn. Automatic safety firing control for repeating shotguns. 2,498,553, Feb. 21.

Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Detachable bottom for ovens or broilers. 2,498,554, Feb. 21.

Kloetzel, Milton C., Los Angeles, Calif., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing alkylidenesuccinic esters. 2,498,371, Feb. 21.

Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,498,041, Feb. 21.

Knudsen, Percy E., Pittsburgh, Pa., and E. H. Heaton, Ferndale, Mich., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Container for pigmented liquids. 2,498,125, Feb. 21.

Koch, John B., assignor to American Blower Corporation, Detroit, Mich. Motor support. 2,498,126, Feb. 21.

Koeber, Henry J., Jr., Chicago, Ill., assignor to Illinois Watch Case Co. Adjustable supporting and focusing mount for sound projector lens. 2,498,355, Feb. 21.

Kohut, John, Boonton, N. J. Air conditioning system. 2,498,427, Feb. 21.

Kolber, Joseph, Chicago, Ill. Radio tube package. 2,498,042, Feb. 21.

Koppers Company, Inc., assignee: *See*—
McGurl, Gilbert V.

Kortlucke, Frederick F., Jr., and F. W. Stellwagen, Kew Gardens, N. Y. Clamping device. 2,498,372, Feb. 21.

Kosmin, Milton: *See*—
Gluesenkamp, Earl W., and Kosmin.

Kotzebue, Meinhard H.: *See*—
Bindworth, Joseph E., and Kotzebue.

Kovalsky, Joseph F.: *See*—
Burgwin, Stephan L., Kovalsky, and Hull.

Kovalsky, Joseph F., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed regulating system. 2,498,281, Feb. 21.

Kreisler, Jacques, New Rochelle, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Bracelet and making the same. 2,498,211, Feb. 21.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Kreisler, Jacques.

Kropa, Edward L., Old Greenwich, Conn., L. E. Craig, Easton, Pa., and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Porous compositions of matter and their preparation. 2,498,621, Feb. 21.

Kruse, Albert, Los Angeles, Calif. Serving table adjustable and portable. 2,498,428, Feb. 21.

Kuderna, Jerome G., Jr.: *See*—
Tawney, Pliny O., and Kuderna, Jr.

Kuderna, Jerome G., Jr., Passaic, N. J., and R. H. Snyder, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y. Interpolymers of fumaric esters and a chlorinated alkene. 2,498,084, Feb. 21.

Kulin, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Thermally responsive switching device. 2,498,127, Feb. 21.

Kuriyama, Fred Y., Honolulu, territory of Hawaii. Fountain pen. 2,498,166, Feb. 21.

La Hue, Phillip M.: *See*—
Heuschkel, Julius, and La Hue.

Lamb & Chapin, Incorporated, assignee: *See*—
Lamb, Clyde K.

Lamb, Clyde K., assignor to Lamb & Chapin, Incorporated, Cleveland, Ohio. Obstruction lighting structure. 2,498,556, Feb. 21.

Landis Machine Company, assignee: *See*—
Hopkins, Cecil W.

Lane, Guy M., and H. G. Thunder, assignors to Motor Products Corporation, Detroit, Mich. Ventilator window assembly. 2,498,429, Feb. 21.

Lang, Matthew, assignor to Frederic B. Stevens, Inc., Detroit, Mich. Apparatus for electroplating workpieces. 2,498,128, Feb. 21.

Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque measuring device for shafts. 2,498,282, Feb. 21.

Lantz, Alpha P., Washington, D. C. Pivotally supporting and bracing ironing boards. 2,498,557, Feb. 21.

Lantz, Alpha P., Washington, D. C. Pivotal mounting and brace for ironing boards. 2,498,558, Feb. 21.

Lathrem, Charles I., Quebec, Quebec, assignor to Canadian Car and Foundry Company Limited, Montreal, Quebec, Canada. Variable pitch propeller. 2,498,109, Feb. 21.

Lathrem, Charles I., Quebec, Quebec, assignor to Canadian Car and Foundry Company Limited, Montreal, Quebec, Canada. Two-position variable pitch propeller. 2,498,110, Feb. 21.

Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fuse. 2,498,043, Feb. 21.

Laverell, William D., Norristown, T. M. Walton, and F. H. Mumberg, assignors to Precision Thermometer & Instrument Company, Philadelphia, Pa. Thermoregulator. 2,498,212, Feb. 21.

Layng, Edwin T., New York, N. Y., assignor to The Polymerization Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,498,607, Feb. 21.

Layng, Edwin T., New York, N. Y., and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Desulfurization and conversion of a naphtha. 2,498,559, Feb. 21.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Vehicle lift. 2,498,086, Feb. 21.

Lee, John, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. 1-methyl-4-p-methoxyphenyl-4-propionoxypiperidine hydrochloride. 2,498,430, Feb. 21.

Lee, John, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. 2-and 4-homocyclyl substituted piperidines. 2,498,431, Feb. 21.

Lee, John, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. 1-Branched lower alkyl-4-phenyl-4-acyloxy-piperidines and their acid addition salts. 2,498,432, Feb. 21.

Lee, John, Essex Fells, and A. Ziering, Newark, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 1,3 Dimethyl-4-propionoxy-4-phenylpiperidine and acid addition salts thereof. 2,498,433, Feb. 21.

Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche Inc., Nutley, N. Y. 1-Lower alkyl-4-cyclohexyl-4-lower fattey acyloxy-piperidines and acid addition salts thereof. 2,498,434, Feb. 21.

Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Production of 1,3 dimethyl-4-phenyl-4-hydroxy-piperidine. 2,498,435, Feb. 21.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Drive for helicopters. 2,498,283, Feb. 21.

Lee, Ralph E., Detroit, Mich. Ice and snow melting mat. 2,497,998, Feb. 21.

Leech, Kenneth H., and C. F. B. Shattock, London, England, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake apparatus. 2,498,498, Feb. 21.

Leeth, Ashby L., Bethesda, Md. Drier. 2,498,560, Feb. 21.

Legras, August N., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dial along which a pointer is movable, more particularly tuning dial for radio apparatus. 2,498,436, Feb. 21.

Lehmkuhl, Joakim, Oslo, Norway. Shoes to be used on skis. 2,498,085, Feb. 21.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering control with pneumatic pickup. 2,498,284, Feb. 21.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering control with pneumatic pickup. 2,498,285, Feb. 21.

Lessmann, Gerhard P.: *See*—
Tubbs, Lester G., and Lessman.

Lester, Harry H., Bellevue, assignor to Dravo Corporation, Pittsburgh, Pa. Purging of hydrocarbon-containing chambers. 2,497,946, Feb. 21.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Road grader. 2,498,044.

Le Van, Ambrose E., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Unitarily mounted electrical measuring instrument. 2,498,087, Feb. 21.

Lever Brothers Company, assignee: *See*—
Dalziel, William, and Gray.
Rider, Theodore H., Humoller, and Gershon.

Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Variable load brake. 2,498,438, Feb. 21.

Lewis, Joseph M., Wichita Falls, Tex. Air conditioner. 2,497,947, Feb. 21.

Lewis, Warren K., Newton, and E. R. Gilliland, Arlington, Mass., assignors to Standard Oil Development Company. Conversion of hydrocarbons with suspended catalyst. 2,498,088, Feb. 21.

L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Flexible boot with front and rear reinforcing strips. 2,498,437, Feb. 21.

Lichtensteiger, Otto: *See*—
Braun, Charles, Neff, and Lichtensteiger.

Liljeström, Gustav V., Goteborg, Sweden. Ten-key calculating machine. 2,498,439, Feb. 21.

Lilly, Eli, and Company, assignee: *See*—
Bray, Malcolm D.
Davis, William W.
Shipley, Robert E.

Linahan, John, U. S. Army, New York, N. Y. Synchronized and adjustable safety clutch. 2,497,893, Feb. 21.

Lincoln, Carl E., Westport, assignor of forty-five per cent to R. H. Holmes, Easton, Conn. Automatic engine-warming mechanism. 2,497,948, Feb. 21.

Lindblom, Erik D.: *See*—
Johansson, Axel K., Lindblom, and Ohlberger.

Lindsay, Allen R., Cleveland Heights, Ohio. Electrical etching device. 2,498,129, Feb. 21.

Linsmeier, Howard T., Saukville, Wis. Egg cleaning machine. 2,497,949, Feb. 21.

Lipkin, Harry J., Dorchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Adjustable band-pass selector. 2,498,561, Feb. 21.

Lippman, Alfred, Jr., Weeks, La., assignor, by mesne assignments, to Morton Salt Company, Chicago, Ill. Level controller. 2,498,089, Feb. 21.

Ljungquist, Ernst R., assignor to Lodding Engineering Corporation, Worster, Mass. Doctor device for rolls and cylinders. 2,498,213, Feb. 21.

Ljungquist, Ernst R., assignor to Lodding Engineering Corporation, Worcester, Mass. Doctor mechanism for paper machines. 2,498,214, Feb. 21.

Lloyd, Emmet C., Waco, Tex. Electrically vibrated retouching stand. 2,498,168, Feb. 21.

Locke, Burton H., Framingham, Mass. Rolled paper dispenser. 2,498,215, Feb. 21.

Lodding Engineering Corporation, assignee: *See*—
Ljungquist, Ernst R.

Lohr, Raymond J., and R. N. Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Changeable and refillable lipstick assembly. 2,497,950, Feb. 21.

Long, Norman O., Niagara Falls, N. Y. Refrigerator. 2,498,562, Feb. 21.

Looney, Charles T. G., Silver Spring, Md., L. G. Howell, Houston, Tex., and B. G. Johnston, Bethlehem, Pa., assignors to the United States of America as represented by the Secretary of the Navy. Deceleration apparatus. 2,498,045, Feb. 21.

Lorenz, Vincent C., Anaconda, Mont. Automatic hand and band saw tooth-setting machine. 2,498,167, Feb. 21.

Loughlin, Bernard D.: *See*—
Curtis, Leslie F., and Loughlin.

Low, Richard, assignor to Conmar Products Corporation, Newark, N. J. Mold for slide fasteners. 2,497,951, Feb. 21.

Luertzing, Walter O., assignor to Lurex Manufacturing Company, Vineland, N. J. Chemical apparatus. 2,498,216, Feb. 21.

Luke, Clare, Berrien Springs, Mich., assignor to National-Standard Company. Electroplating fine wire of low elastic limit. 2,497,894, Feb. 21.

Lundin, Sven A. E., assignor to Aktiebolaget Addo, Malmö, Sweden. Reversible drive for revolutions counter. 2,498,130, Feb. 21.

Lurex Manufacturing Company, assignee: *See*—
Luertzing, Walter O.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,497,895, Feb. 21.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,497,896, Feb. 21.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,497,897, Feb. 21.

Lyons, Mildred F., assignee: *See*—
Williams, Dorothy D.

MacIndoe, John F., Philadelphia, Pa. Lubricator. 2,498,090, Feb. 21.

Mahnke, Kurt, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric winch. 2,498,286, Feb. 21.

Main, Benjamin A., Jr.: *See*—
Brandau, Marvin W., and Main, Jr.

Mallory, Elford W., Cloquet, Minn. Combination stand. 2,498,563, Feb. 21.

Mamaux, Harry O., assignor to Pittsburgh Waterproof Company, Pittsburgh, Pa. Pad for ironer rolls. 2,498,499, Feb. 21.

Mann, Alexander R., Montreal, Quebec, Canada. Rodent trap. 2,498,169, Feb. 21.

Mann, Fredric R., trustee, assignee: *See*—
Apgar, Charles W.

Manty, William A.: *See*—
Spencer, William C., and Manty.

Marchell, Charles J., Torrington, Conn. Fire extinguisher. 2,498,131, Feb. 21.

Markham, Philip E., Los Angeles, Calif., assignor of one-half to William Evans, Caldwell County, Tex. Hedge trimmer. 2,497,909, Feb. 21.

Marquette Metal Products Company, The, assignee: *See*—
Cochran, John K.
Gleitz, Herbert and Miller.

Marsand, Robert B., Bloomfield, N. J. Portable wardrobe. 2,498,373, Feb. 21.

Martin, Francis E., West Chester, Pa. Method and article for treatment of mammary glands. 2,498,374, Feb. 21.

Martin, John B., Glen Ellyn, Ill., assignor to The Kendall Company, Boston, Mass. Pressure sensitive adhesive tape. 2,498,338, Feb. 21.

Martin, Lloyd M., San Francisco, Calif. Piano action. 2,498,132, Feb. 21.

Marx, Louis & Company, Inc., assignee: *See*—
Lohr, Raymond J., and Carver.

Maschinenfabrik Oerlikon, assignee: *See*—
Schorno, Eduard.

Mathot, Jacques: *See*—
Coutant, Andre Clement and Mathot.

Mattson, William M., assignor to Concord Mica Corporation, Concord, N. H. Obtaining mica. 2,498,111, Feb. 21.

Maule, Belford D., Michigan Center, Mich. Tail wheel mounting. 2,498,112, Feb. 21.

Maurer, J. A., Inc., assignee: *See*—
Maurer, John A., Jr.

Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Variable density recording optical system. 2,497,952, Feb. 21.

Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Impulse recording optical system. 2,497,953, Feb. 21.

Maxant, William T., Ayer, Mass. Hedge trimmer. 2,498,564, Feb. 21.

McArdle, Edward H.: *See*—
Cohen, Karl and McArdle.

McAtee, Harold L.: *See*—
Nelson, Robert W., and McAtee.

McCauley, Raymond E.: *See*—
Naccarato, Antonio C., and McCauley.

McCulley, John H., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing emulsifying agents from amine solution. 2,497,954, Feb. 21.

McDermott, Harold R.: *See*—
Smith, Earl G. and McDermott.

McDill, Rex D., Cleveland Heights, assignor to James B. Shaver, University Heights, Ohio. Motor position control means. 2,498,565, Feb. 21.

McFarland, George L. Jr., and Ernest F. Goetz, Schenectady, N. Y., assignor to General Electric Company. Metal-clad plate type rheostat. 2,498,500, Feb. 21.

McGurl, Gilbert V., Newark, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa. Changing the composition of a combustible gas by diffusion. 2,497,898, Feb. 21.

McLean, Leland O., Marion, Ohio. Hoe excavator. 2,498,000, Feb. 21.

McLean, Robert E., Columbus, Ga., assignor to John C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,498,441, Feb. 21.

McLean, Robert E., Fort Benning, Ga., assignor to John C. Hockery, Kansas City, Mo., as trustee. Rotary type can opener. 2,498,440, Feb. 21.

McLellan, Paul W., Frederick, Okla. Lamp attachment for ambulance cots. 2,498,287, Feb. 21.

McMillan, John L., Springfield, assignor to Templeton, Kenly & Co., Chicago, Ill. Track shifting device. 2,498,046, Feb. 21.

Meacham, Edward M.: *See*—
Moecker, Henry, Jr., Frick, Meacham and White.

Meier, Gustav, West New Brighton, N. Y. Propeller blades. 2,498,170, Feb. 21.

Meleney, Frank L.: *See*—
Johnson, Balbina A., and Meleney.

Merck & Co., Inc., assignee: *See*—
Peck, Robert L.

Merrill, Henry M., assignor to J. P. Seeburg Corporation, Chicago, Ill. Electronic timing circuit. 2,498,566, Feb. 21.

Merz Engineering Co., assignee: *See*—
Rupley, Frederick L.

Metals and Control Corporation, assignee: *See*—
Gunn, Townsend M.

Meyerhans, August: *See*—
Scharli, Rudolf, and Meyerhans.

Michler, Robert W., Perris, Calif. Feeler gauge 2,498,171, Feb. 21.

Michon, Alfred E.: *See*—
Boughtwood, John E., and Michon.

Miller, Charles E.: *See*—
Gleitz, Herbert and Miller.

Miller Company, The, assignee: *See*—
De Lancey, Ralph W.

Milner, Edwin E., Muncie, Ind. Motorboat equipment. 2,498,113, Feb. 21.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Borell, George L.
Wannamaker, William H., Jr.

Mintner, George E., and A. R. Constantine, assignors to Bendix Home Appliances, Inc., South Bend, Ind. Gas-heated clothes drier. 2,498,172, Feb. 21.

Miskella, William J., Cleveland, Ohio. Combination paint booth and baking oven. 2,498,339, Feb. 21.

Missouri Automatic Control Corporation, assignee: *See*—
Norris, John W.

Mitchel-Tyler Company, The, assignee: *See*—
Porter, Harold M.

Mochel, John M., assignor to Corning Glass Works, Corning, N. Y. Refractory composition. 2,498,622, Feb. 21.

Moebes, August and Albert Briggs, Sr., Vallejo, Calif. Automatic ejector for keys. 2,498,288, Feb. 21.

Moecker, Henry, Jr., W. H. Frick, E. M. Meacham and H. K. White, Cleveland, Ohio, assignors to American Stove Company, St. Louis, Mo. Double ring burner with combined aeration and collection tray. 2,498,289, Feb. 21.

Moffett, Walter K., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose nitrate coating compositions. 2,498,091, Feb. 21.

Moloney, Raymond T., assignee: *See*—
Seiden, Herman L.

Monarch Tool & Machinery Co., assignee: *See*—
Budreck, Frances.

Monsanto Chemical Company, assignee: *See*—
Dazzi, Joachim and Rector, Jr.
Emerson, William S.
Gluesenkamp, Earl W.
Gluesenkamp, Earl W., and Kosmin.
Ham, George E.
Morris, Herbert E., and Evans.

Monsel, Georges, Montigny-Le-Roi, France. Wheel and axle mounting for agricultural machines. 2,498,173, Feb. 21.

Monson, Aubrey G., Bremerton, Wash. Grommet setting machine having grommet feeding mechanism. 2,497,899, Feb. 21.

Moore, Francis W., Tiffin, Ohio. Ladder lock. 2,498,375, Feb. 21.

Morey, Glen H., Terre Haute, Ind. Electrical heater and manufacturing it. 2,498,442, Feb. 21.

Mork, George W., and G. Reuter, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Fairlead for semitrailer scrapers or wagons. 2,497,900, Feb. 21.

Mork, Raymond P., assignor to The Baldwin Company, Cincinnati, Ohio. Volume control switch and the like. 2,498,569, Feb. 21.

Morris, Herbert E., La Marque, and D. M. Evans, Texas City, Tex., assignors to Monsanto Chemical Company, St. Louis, Mo. Producing ethylbenzene. 2,498,567, Feb. 21.

Morris, John C., Sudbury, Mass., assignor to the United States of America as represented by the Secretary of War. Aluminum hexacarbamide periodide as water disinfectant. 2,498,174, Feb. 21.

Morris, Rupert C.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Morrison, Harry, Pittsburgh, Pa. Abdominal support. 2,498,290, Feb. 21.

Morrison, William B., Verdun, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Antenna tuning control system. 2,498,340, Feb. 21.

Morton Salt Company, assignee: *See*—
Lippman, Alfred, Jr.

Mosebach, Karl J., Pittsburgh, Pa.; Mary E. Mosebach or Marie E. Mosebach, administratrix of the estate of said Mosebach, deceased. Trolley wire connector. 2,498,568, Feb. 21.

Mosebach, Marie E., administratrix: *See*—
Mosebach, Karl J.

Mosebach, Mary E., administratrix: *See*—
Mosebach, Karl J.

Motor Products Corporation, assignee: *See*—
Lane, Guy M., and Thunder.

Motor Wheel Corporation, assignee: *See*—
Frederick, Fred A.

Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive transmitter. 2,497,901, Feb. 21.

Moyer, Howard H., assignor to Richmond Manufacturing Company, Lockport, N. Y. Screen clearer for gyratory sifters. 2,497,902, Feb. 21.

Mueller, Ervin H., Grosse Pointe, Mich. Valve for gas burners. 2,498,376, Feb. 21.

Muffly, Glenn, Springfield, Ohio. Refrigerating mechanism. 2,497,903, Feb. 21.

Muirson Label Co., Inc., assignee: *See*—
Rambo, Francis R., and Angelo.

Mumberg, Fritz H.: *See*—
Laverell, William D., Walton, and Mumberg.

Myers, Louis, Rockford, Ill. Drink mixer. 2,498,570, Feb. 21.

Myers, Norval F.: *See*—
Garraway, George H., and Myers.

Myers, William S., Ashland, Ky. Exercising apparatus to be used with bicycle. 2,498,047, Feb. 21.

Naccarato, Antonio C., and R. E. McCauley, Los Angeles, Calif. Bottle capping machine. 2,498,443, Feb. 21.

Nadal, Arpad, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High velocity tensile machinery. 2,498,291, Feb. 21.

Nagy, Daniel E., Stamford, and D. W. Kaiser, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Chlorinated isomelamines. 2,498,217, Feb. 21.

Napier, D., & Son Limited, assignee: *See*—
Barlow, Benjamin W.

National Lead Company, assignee: *See*—
Van Mater, Henry L.

National Malleable and Steel Castings Company, assignee: *See*—
Blackmore, William.

National-Standard Company, assignee: *See*—
Luke, Clare.

National Union Radio Corporation, assignee: *See*—
Schneider, Gerhard G.
Schneider, Gerhard G., and Donohue.
Skellett, Albert M.

Naugle, John J., New York, N. Y. Clarifier. 2,498,292, Feb. 21.

Navy, the United States of America as represented by the Secretary of the, assignee: *See*—
Breeze, George E., and Brockwell.
Brown, Calvin F.
Dell, Albert H., and Sreb.
Ernst, Hans, and Sassen.
Erwood, John.
Grace, William J.
Jordan, James D., and Ferris.
Lauritsen, Charles C.
Looney, Charles T. G., Howell, and Johnston.
Robertson, Jack B.
Selvidge, Harner.
Smith, Nicol H.
Steen, Willis J.
Werner, Frank D.

Neff, William A.: *See*—
Braun, Charles, Neff, and Lichtensteiger.

Neinken, Maurice, Hilltown, Pa. Trousers. 2,498,175, Feb. 21.

Neinken, Maurice, Perkasie, Pa. Pocket construction in trousers. 2,498,048, Feb. 21.

Nelly, Henry M., Jr., assignor to Refinery Maintenance Co., Inc., Compton, Calif. Deethanizing rich oil. 2,498,177, Feb. 21.

Nelson, Robert W., and H. L. McAtee, Minneapolis, Minn. Perforate ironing table top. 2,498,176, Feb. 21.

Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction braking element for disk brakes. 2,498,501, Feb. 21.

Niagara Blower Company, assignee: *See*—
Stutz, Robert C.

Nichols, George J., Gary, Ind. Lighter. 2,498,178, Feb. 21.

Nichols, Joseph: *See*—
Kass, Peter, and Nichols.

Nichols, Joseph, assignor to Interchemical Corporation, New York, N. Y. Modified drying oil. 2,497,904, Feb. 21.

Niederhauser, Warren D., Philadelphia, and H. A. Bruson, Rydal, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Iminoester resins. 2,497,955, Feb. 21.

Nielsen, Sigurd, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Conveying apparatus. 2,498,218, Feb. 21.

Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Lighter actuating mechanism. 2,498,377, Feb. 21.

Noblitt-Sparks Industries, Inc., assignee: *See*—
Farr, Edward A.

Nold, John B., St. Joseph, Mo. Multisectional engine heat dissipating device. 2,498,001, Feb. 21.

Norris, John W., Marshalltown, Iowa, assignor, by mesne assignments, to Missouri Automatic Control Corporation. Space temperature control. 2,498,571, Feb. 21.

Numsen, Phalen H., and F. A. Barnes, Missoula, Mont. Fish gate. 2,498,341, Feb. 21.

Nyquist, Arthur S.: *See*—
Kropa, Edward L., Craig, and Nyquist.

Oakes, Nathan W., assignor of five per cent to H. W. Peters, Cleveland, Ohio, and five per cent to P. H. Hume, Washington, D. C. Oscillating drive mechanism. 2,498,293, Feb. 21.

O'Brien, John R., West Hempstead, N. Y. Plural valve plumbing fixture. 2,498,219, Feb. 21.

O'Brien, Vincent R., St. Paul, Minn. Sink with garbage disposal means. 2,498,502, Feb. 21.

Office of Scientific Research and Development, United States of America, as represented by the Executive Secretary of the, assignee: *See*—
Roberts, George A.

Ohlberger, Hans I. O.: *See*—
Johansson, Axel K., Lindblom, and Ohlberger.

Ohmega Laboratories, assignee: *See*—
Foster, Harry R.

Oil Well Chemical & Materials Company, assignee: *See*—
Self, Edward S.

O'Leary, Charles M., Los Angeles, Calif. Hydrokinetic brake. 2,498,572, Feb. 21.

Oliver, Wallace F., and A. L. Jensen, assignors to Bendix Home Appliances, Inc., South Bend, Ind. Water inlet system for washing machines. 2,498,179, Feb. 21.

Optique et Precision de Levallois, assignee: *See*—
De Gramont, Armand A. A. A.

Orr, John B., Jr., Great Barrington, Mass. Production of acetylene. 2,498,444, Feb. 21.

Osgood Co., The, assignee: *See*—
White, Fred L.

Ostrander, Charles W., Baltimore, Md., assignor, by mesne assignments, to Rheem Manufacturing Company, San Francisco, Calif. Coating zinc or cadmium to impart corrosion and abrasion resistance. 2,497,905, Feb. 21.

Owen, Raymond M., Jr., Greenwich, Conn. Tire strap puller. 2,497,956, Feb. 21.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Rees, Willis M.

Ozai-Durrani, Ataullah K., Stuttgart, Ark. Treating rice. 2,498,573, Feb. 21.

Pace, John H., assignee: *See*—
Hamilton, Howard.

Page, Albert E. and F. R., assignors to Scott & Williams, Incorporated, Laconia, N. H. Pattern mechanism for knitting machines. 2,498,092, Feb. 21.

Page, Frank R.: *See*—
Page, Albert E. and F. R.

Papalia, Rocco, Bridgeport, Conn. Nail driving apparatus. 2,498,503, Feb. 21.

Paradise, Louis A., W. J. Coultas, and N. F. Andrews, assignors to Deere & Company, Moline, Ill. Corn harvester. 2,498,093, Feb. 21.

Parks & Woolson Machine Co., assignee: *See*—
Hadley, Wilfred N.

Pascoo, Alex, New York, N. Y. Ascending and descending device. 2,498,445, Feb. 21.

Paulin, Walter H., Columbus, Ohio. Burner for waste and low-grade oils. 2,498,002, Feb. 21.

Pawsat, Ewald F., Maysville, Ky. Basket mounting bracket. 2,498,446, Feb. 21.

Peck, Robert L., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Dihydrostreptomycin and acid addition salts. 2,498,574, Feb. 21.

Pedersen, Axel V., Los Angeles, Calif. Wood joint. 2,498,180, Feb. 21.

Pelley, Perry H., assignor to Beech Aircraft Corporation, Wichita, Kans. Window frame. 2,497,957, Feb. 21.

Pendleton, Wesley W.: *See*—
Berberich, Leo J., and Pendleton.

Pennow, Willis A., Cleveland, and R. T. Burns, Lakewood, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Light projector. 2,498,294, Feb. 21.

Penrod, Joy E., Muncie, Ind. Punch aligning implement. 2,498,114, Feb. 21.

Perfex Corporation, assignee: *See*—
Frerer, Paul G.

Perkins, Charles W., Leicester, England. Circular knitting machine. 2,498,447, Feb. 21.

Perlman, Herbert, assignee: *See*—
Friedman, Werther.

Perlman, Hy, assignee: *See*—
Friedman, Werther.

Perlman, Hy, & Co.: *See*—
Friedman, Werther.

Perlman, Lily, assignee: *See*—
Friedman, Werther.

Peters, George E., and L. E. Russell, assignors to Peters & Russell, Inc., Springfield, Ohio. Valved hose connection. 2,497,906, Feb. 21.

Peters, George E., and L. E. Russell, assignors to Peters & Russell, Inc., Springfield, Ohio. Pump handle. 2,497,907, Feb. 21.

Peters, Horace W., assignee: *See*—
Oakes, Nathan W.

Peters & Russell, Inc., assignee: *See*—
Peters, George E., and Russell.

Peterson, Edward T., Reading, Pa. Approach table for transfer of metallic stock. 2,498,448, Feb. 21.

Peterson, Edward T., Reading, Pa. Double approach table for transfer of metallic stock. 2,498,449, Feb. 21.

Peterson, Harold O., and B. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Communication system for ultrashort radio waves. 2,497,958, Feb. 21.

Peterson, Milton M., assignor to Corning Glass Works, Corning, N. Y. Coloring glass. 2,498,003, Feb. 21.

Peterson, Rudolph E., and J. Boyd, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reduction gear drive. 2,498,295, Feb. 21.

Petticrew, Richard, Dearborn, Mich. Pedestal type air conditioning unit. 2,498,342, Feb. 21.

Petty, Daniel H.: *See*—
Webster, Ronald, and Petty.

Petty, Daniel H., Skokie, assignor to The Hydro-Blast Corporation, Chicago, Ill. Apparatus for eliminating dust and fumes. 2,498,469, Feb. 21.

Pewitt, Bernard B., Oak Ridge, Tenn. Pleasure railway. 2,498,450, Feb. 21.

Phelps, George N., Lancaster, Pa., assignor to Radio Corporation of America. Base member for electron discharge tubes. 2,498,378, Feb. 21.

Philco Corporation, assignee: *See*—
Bingley, Frank J., and Smith.
Bocciarelli, Carlo V.

Philpott, La Verne R., Washington, D. C. Synchronous voltage regulator system. 2,497,908, Feb. 21.

Piggott, William C.: *See*—
Arnold, Joseph G., and Piggott.

Pittman, Ralph R., North Little Rock, Ark. High-voltage fuse construction. 2,498,575, Feb. 21.

Pittsburgh Plate Glass Company, assignee: *See*—
Knudsen, Percy E., and Heaton.

Pittsburgh Waterproof Company, assignee: *See*—
Mamaux, Harry O.

Plaum, Joseph B., Toronto, Ontario, Canada. Extension roller screen. 2,498,094, Feb. 21.

Plunguian, Mark: *See*—
Seymour, George W., White, and Plunguian.

Plywood Research Foundation, assignee: *See*—
Evans, Harold R., and Schubert.

Pocahontas Fuel Company Incorporated, assignee: *See*—
Julyan, Fred G., and Schweickart.

Polymerization Process Corporation, The, assignee: *See*—
Layng, Edwin T.

Poole, Lloyd C., Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Register regulator for printing presses. 2,497,909, Feb. 21.

Poor & Company, assignee: *See*—
Bates, Sidney E.

Porter, Harold M., assignor to The Mitchel-Tyler Company, Bridgerstown, Md. Microscope auxiliary stage with electrodes. 2,498,220, Feb. 21.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener unit. 2,498,221, Feb. 21.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Detachable bracket. 2,498,623, Feb. 21.

Pourch, Helen: *See*—
Pourch, Sidney and H.

Pourch, Sidney and H., New York, N. Y. Baby travel chamber. 2,498,576, Feb. 21.

Power-Gas Corporation Limited, The, assignee: *See*—
Bone, James G.

Precision Thermometer & Instrument Company, assignee: *See*—
Laverell, William D., Walton, and Mumberg.

Prel Inc., assignee: *See*—
Alexander, Philip.

Price, Harry J.: *See*—
Stedman, Cecil K., Price, and Wisner.

Pringle, Mark A., Teaneck, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hinged-panel switchboard. 2,498,296, Feb. 21.

Processing Specialties, Inc., assignee: *See*—
Sundstrom, Charles.

Pullen, John A., Cullman, Ala. Operator's chair for barbers or dentists. 2,498,004, Feb. 21.

Purgett, Delmar L., Chicago, Ill. Orthopedic device. 2,498,115, Feb. 21.

Purity Research & Development Corporation, assignee: *See*—
Copenhaver, Elmer L.

Quayle, George F., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet truck. 2,498,504, Feb. 21.

Quilter, John R. C., Woking, England. Parachute pack. 2,498,505, Feb. 21.

Radio Corporation of America, assignee: *See*—
Bucher, Thomas T. N.
Daly, George M.
Finch, James L.
Hansell, Clarence W.
Hunt, Edward W.
Johnson, Ralph E.
Kennedy, Gilbert J.
Morrison, William B.
Peterson, Harold O., and Trevor.
Phelps, George N.
Schade, Otto H.
Smith, Rogers M.
Story, Theodore H.
Usselman, George L.
Wald, Sidney.
Walsh, Allen A.

Raffold Process Corporation, assignee: *See*—
Rafton, Harold R.

Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Treatment of pigment comprising calcium carbonate. 2,498,005, Feb. 21.

Railway Electronics, Inc., assignee: *See*—
Spencer, William C., and Manty.

Ralston, Anderson W., Chicago, O. Turinsky, Palatine, and L. Van Akkeren, assignors to Armour and Company, Chicago, Ill. Treatment of polyene compounds. 2,498,133, Feb. 21.

Rambo, Francis R., and M. Angelo, assignors to Muirson Label Co., Inc., San Jose, Calif. Display apparatus. 2,498,297, Feb. 21.

Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Combined oscillator and reactance-tube stucture. 2,498,577, Feb. 21.

Ramser, John H., Chester, assignor to The Atlantic Refining Company, Philadelphia, Pa. Optical metering means for gas using a sliding tube. 2,498,506, Feb. 21.

Ransley, Charles E., Sudbury, England, assignor to General Electric Company. Flash lamp. 2,497,910, Feb. 21.

Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,498,608, Feb. 21.

Rector, Charles H., Jr.: *See*—
Dazzi, Joachim, and Rector, Jr.

Rees, Willis M., Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation. Acoustic wall treatment with replaceable facing. 2,497,912, Feb. 21.

Reeves Hoffman Corporation, assignee: *See*—
Via, Lester C.

Refinery Maintenance Co., Inc., assignee: *See*—
Nelly, Henry M., Jr.

Reflectone Corporation, The, assignee: *See*—
Sinajian, Luther G.

Reil, Ben, Dunkerton, Iowa. Automatic electric wire roller for electric power lawn mowers. 2,498,609, Feb. 21.

Reilly, Gerard J., Rumson, and W. E. Harbaugh, Fair Haven, N. J. Hydrogen thyratron. 2,497,911, Feb. 21.

Reinnagel, Richard E., Eggertsville, N. Y. Educational device. 2,498,578, Feb. 21.

Reiss Manufacturing Corporation, assignee: *See*—
Duske, Arthur C., and Reiss.

Reiss, Raymond H.: *See*—
Duske, Arthur C., and Reiss.

Reiter, Alexander L., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Tumbler cylinder drive and support structure. 2,498,181, Feb. 21.

Remco Electronic, Inc., assignee: *See*—
Shepard, Francis H., Jr.

Renz, Frank, Philadelphia, Pa. Coin trick apparatus. 2,498,298, Feb. 21.

Research Corporation, assignee: *See*—
Schmitz, Frederick W.
Stockbarger, Donald C., and Blanchard.

Reuter, Gottfried: *See*—
Mork, George W., and Reuter.

Rheem Manufacturing Company, assignee: *See*—
Ostrander, Charles W.

Rice Barton Corporation, assignee: *See*—
Stone, William E.

Richmond Manufacturing Company, assignee: *See*—
Moyer, Howard H.

Rider, Morris, Detroit, Mich. Light reflecting bicycle pedal. 2,498,134, Feb. 21.

Rider, Theodore H., Hinsdale, F. L. Humoller and S. D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass. Denture cleansers. 2,498,343, Feb. 21.

Rider, Theodore H., Hinsdale, F. L. Humoller and S. D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass. Denture cleansers. 2,498,344, Feb. 21.

Ridill, Joe R., Garfield Heights, Ohio. Device for training golfers. 2,498,006, Feb. 21.

Rines, Robert H., Brookline, Mass. Range and elevation computing system. 2,497,913, Feb. 21.

Risk, Thomas H., Franklin, Mich. Closure. 2,498,345, Feb. 21.

Risney, Charles R., Chadwicks, N. Y. Storm shield and ventilator for window screens. 2,498,095, Feb. 21.

Rissler, Lennius R., Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Roller guide shoe for elevators. 2,498,299, Feb. 21.

Roberts, A. Boake and Company Limited, assignee: *See*—
Sully, Bernard T. D.

Roberts, George A., Swarthmore, Pa., assignor to the United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development. Beam blanking and sweep control. 2,498,579, Feb. 21.

Roberts, Seward M., Chicago, Ill., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Pouring spout or faucet for containers. 2,498,222, Feb. 21.

Robertson, Jack B., Seattle, Wash., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Liquid rheostat. 2,498,049, Feb. 21.

Robey, Richard F., Cranford, and S. G. Gallo, Roselle, N. J., assignors to Standard Oil Development Company. Alcohol process. 2,497,959, Feb. 21.

Rocca, Julius P.: *See*—
Young, David W., and Rocca.

Rock, Joseph, Jr., North Syracuse, assignor to Crouse-Hinds Company, Syracuse, N. Y. Box cover assembly. 2,498,135, Feb. 21.

Roger, Henri, Sezanne, France. Optical device for cinematographic projection apparatus with continuous unrolling of the film. 2,498,580, Feb. 21.

Rogers, Arthur O.: *See*—
Scott, Norman D., and Rogers.

Rogers, Joseph H., Hyattsville, Md. Extensible and retractable shield for camera lenses and filters. 2,498,581, Feb. 21.

Röhm & Haas Company, assignee: *See*—
Bruson, Herman A.
Houk, Alva L., and Bock.
Niederhauser, Warren D., and Bruson.

Rommel, William G., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Steering apparatus for ships. 2,498,223, Feb. 21.

Ronson Art Metal Works, Inc., assignee: *See*—
Nissen, Warren I.

Rose, Francis L.: *See*—
Curd, F. H. Swinden, and Rose.

Rosenblatt, David B., Mount Vernon, N. Y. Cigarette lighter. 2,498,507, Feb. 21.

Rosenfeld, Abraham L., trustee, assignee: *See*—
Apgar, Charles W.

Ross Gear & Tool Company, assignee: *See*—
Creson, William K.

Ross Heater & Manufacturing Co., Inc., assignee: *See*—
Tinker, Townsend.

Ruben, Zorro D., Chicago, Ill. Fluid power unit. 2,498,451, Feb. 21.

Rubin, Louis C.: *See*—
Layng, Edwin T., and Rubin.

Rudolph, Nathan H., Aurora, Ill., assignor to All-Steel Equip Company. Locker latch. 2,498,508, Feb. 21.

Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Co., Indianapolis, Ind. Hardness tester. 2,498,136, Feb. 21.

Russell, Linus E.: *See*—
Peters, George E., and Russell.

Ryder, Herman, Tacoma, Wash. Combined camera support and shutter release. 2,498,137, Feb. 21.

Salmon, John E.: *See*—
Green, David F., and Salmon.

Salsmann, John J., Philadelphia, Pa. Vehicle jack. 2,497,960, Feb. 21.

Sansbury, Thomas B., Orlando, Fla. Spader and agitator device for concrete block machines. 2,498,452, Feb. 21.

Santiago, Jose, New York, N. Y. Throwing toy. 2,498,509, Feb. 21.

Sassen, Bernard: *See*—
Ernst, Hans, and Sassen.

Sawyer, John W., Arlington, Va. Forming negative surface replicas of tube interiors. 2,497,914, Feb. 21.

Sax, Karl J.: *See*—
Bernstein, Seymour, and Sax.

Schaber, Elmer W., Sholes, Nebr. Machine for opening eggs and separating the shells of the eggs and their contents. 2,498,182, Feb. 21.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electromagnetic deflection circuit for cathode-ray tubes. 2,498,007, Feb. 21.

Schaefer, John H., Jr., Boyertown, assignor to The Vaughan Knitting Company, Inc., Pottstown, Pa. Cutting mechanism for knitting machines. 2,498,096, Feb. 21.

Schaerer, August A., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Polyvinyl chloride compositions containing sulfuric acid treated high-boiling petroleum extract. 2,498,453, Feb. 21.

Scharli, Rudolf, Baden, and A. Meyerhans, Nussbaumen near Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Transformer. 2,498,183, Feb. 21.

Scherer, Adolph, New York, N. Y. Encasing lamp shades and other articles. 2,498,097, Feb. 21.

Schibler, Luzius, assignor to Ciba Limited, Basel, Switzerland. Hardenable emulsion serving as binding agent and making same. 2,498,454, Feb. 21.

Schmitz, Frederick W., Irvington, N. J., assignor to Research Corporation, New York, N. Y. Concentration control. 2,498,008, Feb. 21.

Schneider, Gerhard G., Maplewood, assignor to National Union Radio Corporation, Orange, N. J. Tube removing mechanism. 2,498,456, Feb. 21.

Schneider, Gerhard G., and F. L. Donohue, Maplewood, assignors to National Union Radio Corporation, Newark, N. J. Heater inserting mechanism. 2,498,455, Feb. 21.

Schoenberger, John H., Coronado, Calif. Flexible jaw wrench having multiple adjusting means. 2,497,582, Feb. 21.

Schorno, Eduard, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich Oerlikon, Switzerland. Control system for electric valves. 2,498,457, Feb. 21.

Schrader, Clarence O., Burbank, and H. M. Sears, assignors to Hartley Pen Company, Pasadena, Calif. Method of and apparatus for assembling ball-pointed writing instruments. 2,498,009, Feb. 21.

Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Binder. 2,498,510, Feb. 21.

Schroetter, Josef, Wauwatosa, Wis. Support for violoncellos. 2,498,459, Feb. 21.

Schubert, Dale L.: *See*—
Evans, Harold R., and Schubert.

Schulze, Herman W., Elmwood Park, Ill., assignor to Hotpoint Inc. Electric oven. 2,498,583, Feb. 21.

Schweickart, William M.: *See*—
Julyan, Fred G., and Schweickart.

Schwork, Stanley, Bangor, Pa. Ripper tool. 2,498,458, Feb. 21.

Scott, Norman D., Sanborn, and A. O. Rogers, Lewiston, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of lysine. 2,498,300, Feb. 21.

Scott & Williams, Incorporated, assignee: *See*—
Page, Albert E. and F. R.

Sears, Edward O., assignor to J. S. White, Oakland, Calif. Refrigerator. 2,498,379, Feb. 21.

Sears, Hartley M.: *See*—
Schrader, Clarence O., and Sears.

Seeburg, J. P., Corporation, assignee: *See*—
Merrill, Henry M.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Simplified loose-leaf binder. 2,498,584, Feb. 21.

Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,498,098, Feb. 21.

Selden, Herman L., assignor of one-third to T. C. Flanagan, and one-third to R. T. Moloney, Chicago, Ill. Piezoelectric crystal holder. 2,498,585, Feb. 21.

Self, Edward S., Bakersfield, assignor to Oil Well Chemical & Materials Company, Los Angeles, Calif. Treatment of drilling fluids. 2,498,301, Feb. 21.

Selvidge, Harner, Hohokus, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Fulminating fuse. 2,498,050, Feb. 21.

Seng Company, The, assignee: *See*—
Elleman, Tom.

Sever, Louis M., Los Angeles, Calif. Convertible skirt. 2,498,184, Feb. 21.

Sexton, Wilfred A., Manchester, and R. E. Slade and W. G. Templeman, Bracknell, England, assignors to Imperial Chemical Industries Limited. Prevention and destruction of weeds. 2,498,302, Feb. 21.

Seymour, George W., Millburn, B. B. White, Summit, and M. Plunguian, Gillette, N. J., assignors to Celanese Corporation of America. Production of cellulose esters. 2,498,010, Feb. 21.

Shattock, Charles F. B.: *See*—
Leech, Kenneth H., and Shattock.

Shaver, James B., assignee: *See*—
McDill, Rex D.

Shaw, Joseph D., Cincinnati, Ohio. Electrical measuring device. 2,497,961, Feb. 21.

Shaw, Norman H., Stafford, assignor to the English Electric Company Limited, London, England. Motor control system. 2,498,303, Feb. 21.

Shell Development Company, assignee: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Haury, Vernon E.
Schaerer, August A.

Shenefelt, William E., Irwin, Pa. Tilt indicating attachment for machine heads. 2,498,460, Feb. 21.

Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Electronic amplifier for servo devices. 2,497,962, Feb. 21.

Shepard, Robert O., Chesterland, and H. K. Hutchinson, Willoughby, Ohio. Attachment for mounting rotatable tools to a tractor and for operating the tools by the tractor motor. 2,498,138, Feb. 21.

Sherbondy, Earl H., assignor to Gridiron Steel Company, Cleveland, Ohio. Radial bearing. 2,498,011, Feb. 21.

Sheusner, John H.: *See*—
Burks, George E., and Sheusner.

Shipley, Robert E., assignor to Eli Lilly and Company, Indianapolis, Ind. Animal holder. 2,498,051, Feb. 21.

Shobe, Chester L., Great Bend, Kans. Jar vise. 2,498,185, Feb. 21.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Safety mechanism to prevent over voting in voting machines. 2,498,380, Feb. 21.

Shoup Voting Machine Corporation, The, assignee: *See*—
Shoup, Ransom F.

Simjian, Luther G., Riverside, assignor to The Reflectone Corporation, Stamford, Conn. Glass panel attaching device. 2,498,139, Feb. 21.

Sims, H. W., assignee: *See*—
Talbot, David B.

Singer, Benjamin, Brooklyn, assignor to Teletone Radio Corporation, New York, N. Y. Attachment for radio sets. 2,497,963, Feb. 21.

Sinko, John, Chicago, Ill. Cigar lighter. 2,498,116, Feb. 21.

Sjöstrand, Hjalmar E., Stockholm, Sweden. Grinding machine. 2,498,012, Feb. 21.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Detector for high energy radiation. 2,498,461, Feb. 21.

Skinner, Garnett C., Evanston, Ill. Foot cushion. 2,498,624, Feb. 21.

Slade, Roland E.: *See*—
Sexton, William A., Slade, and Templeman.

Smid, Rudolph, Chicago, Ill. Intermittent projector movement. 2,497,915, Feb. 21.

Smidth, F. L., & Co., assignee: *See*—
Nielsen, Sigurd.

Smith, Albert M., and E. Hart, Columbus, Ohio. Heat-fusible safety link for insertion within a hot-air conduit of a heating system. 2,498,382, Feb. 21.

Smith, Charles E., Pittsburgh, Pa. Chalk-writing board of molded plastic material. 2,498,586, Feb. 21.

Smith, Earl G., and H. R. McDermott, assignors to Construction Machinery Company, Waterloo, Iowa. Skip lift mechanism for concrete mixing machines. 2,498,117, Feb. 21.

Smith, Franklin N., Aurora, Ill. Belt conveyer idler roller. 2,498,013, Feb. 21.

Smith, Nels J., Columbia Falls, Mont. Paintbrush clamp or holder. 2,498,511, Feb. 21.

Smith, Newland F., Jr.: *See*—
Bingley, Frank J., and Smith.

Smith, Nicol H., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Retarding erosion of gun barrels. 2,498,052, Feb. 21.

Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Radio echo distance measuring device. 2,498,381, Feb. 21.

Smith, William J., Sr., Shawmut, Ala. Generator and starter. 2,498,346, Feb. 21.

Snyder, Ivol J., Omaha, Nebr. Sweeping mechanism for bowling alleys. 2,498,587, Feb. 21.

Snyder, Robert H.: *See*—
Kuderna, Jerome G., Jr., and Snyder.

Societe Anonyme Andre Citroen, assignee: *See*—
Levesque du Rostu, Georges.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Beeson, Carrol M.
Clewell, Dayton H.
Daigle, Earl C.
Francis, Alfred W.
Gorin, Everett.
Kilgren, Evert W., and Gorin.

Soffel, Robert O.: *See*—
Joel, Amos E., Jr.

Sommer, Herman C., Lynwood, Calif. Automobile hoist. 2,498,304, Feb. 21.

Southworth Machine Company, assignee: *See*—
Aberle, Roy.

Speare's, Alden, Sons Co., The, assignee: *See*—
Thompson, Willis F.

Spence, John: *See*—
Fallesen, George E., and Spence.

Spencer, Barnard J., Jr., and L. G. Brinson, Gainesville, Fla. Boat trailer. 2,498,014, Feb. 21.

Spencer, William C., Tuckahoe, N. Y., and W. A. Manty, Hasbrouck Heights, N. J., assignor to Railway Electronics, Inc., Tuckahoe, N. Y. Telegraph apparatus. 2,498,588, Feb. 21.

Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition system. 2,498,305, Feb. 21.

Sperry Corporation, The, assignee: *See*—
Harris, Herbert, Jr.

Sperti Faraday Inc., assignee: *See*—
Stern, Lewis J.

Squires, William P., assignor of five per cent to J. O. Gibson and five per cent to W. De Loache, Moultrie, Ga. Filling-fork grid. 2,498,610, Feb. 21.

Sreb, Jules H.: *See*—
Dell, Albert H., and Sreb.

Stalker, Edward A., Bay City, Mich. Blower drive for boundary layer control systems on aircraft. 2,498,140, Feb. 21.

Stambaugh, Henry J., Washington, D. C. Launching or towing device. 2,497,916, Feb. 21.

Standard Brands Incorporated, assignee: *See*—
Baxter, Thomas R.

Standard Oil Development Company, assignee: *See*—
Cohen, Karl, and McArdle.
Dart, Jack C.
Garraway, George H., and Myers.
Hemminger, Charles E.
Huber, Theodore A., and Cannon.
Lewis, Warren K., and Gilliland.
McCulley, John H.
Robey, Richard F., and Gallo.
Sumerford, Simpson D.
Wadley, Edward F.
Young, David W., and Rocca.

Stark, Donald A.: *See*—
Greer, Edward M., and Stark.

Stauffer, Robert E., assignor to Eastman Kodak Company, Rochester, N. Y. Producing direct positive photographs having increased density. 2,497,917, Feb. 21.

Staver, Joseph L., Mineral Point, Wis. Hay hoist. 2,498,611, Feb. 21.

Stedman, Cecil K., H. J. Price, and R. M. Wisner, Seattle, Wash., assignors to Boeing Airplane Company. Calibration of telemetering equipment. 2,498,306, Feb. 21.

Steen, Willis J., Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Capacitor housing. 2,498,053, Feb. 21.

Steinke, Robert R., West Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Connector. 2,498,589, Feb. 21.

Stellwagen, Frank W.: *See*—
Kortlucke, Frederick F., Jr., and Stellwagen.

Sterling Drug Inc., assignee: *See*—
Kirchner, Frederick K., and Cavallito.

Stern, Lewis J., Adrian, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Clock setting system. 2,498,462, Feb. 21.

Stevens, Frederic B., Inc., assignee: *See*—
Lang, Matthew.

Stine, Lester G., and C. A. Hurst, Jr., Harrisburg, Pa. Receptacle for ice cream cartons. 2,498,016, Feb. 21.

Stockbarger, Donald C., Belmont, N. Y., and A. A. Blanchard, Brookline, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Purification of certain alkaline earth halides and crystal products thereof. 2,498,186, Feb. 21.

Stokes, Izetta, Belmont, Calif. Doll. 2,498,141, Feb. 21.

Stokes, William S., Tarzana, Calif. Pocket lighter construction. 2,498,142, Feb. 21.

Stollery, Matthew N., Paddington, near Sydney, New South Wales, Australia. Signaling apparatus for automobiles. 2,498,307, Feb. 21.

Stone, William E., Shrewsbury, assignor to Rice Barton Corporation, Worcester, Mass. Paper winding machine. 2,498,224, Feb. 21.

Story, Theodore H., Merchantille, N. J., assignor to Radio Corporation of America. Electronic heating apparatus and method. 2,498,383, Feb. 21.

Strambini, Christina, Bronx, N. Y. Hat clasp. 2,498,225, Feb. 21.

Straus, Nathan, New York, N. Y. Curtain rod bracket. 2,498,590, Feb. 21.

Street, Horace R., University Heights, assignor to G. A. Wiltse, Cleveland, Ohio. Pouring jacket for molds. 2,498,015, Feb. 21.

Stromiska, Joseph F., Merrimac, Wis. Trigger for jumping animal traps. 2,498,463, Feb. 21.

Struckmann, Holger, Kingsport, Tenn. Apparatus for conveying pulverized material. 2,498,143, Feb. 21.

Stutwear, Inc., assignee: *See*—
Jullie, Joseph T.

Stutz, Robert C., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Apparatus for condensing refrigerants by evaporative cooling. 2,498,017, Feb. 21.

Sully, Bernard T. D., Ewell, assignor to A. Boake Roberts and Company Limited, London, England. Polymerization of compounds containing a terminal methylene group. 2,498,226, Feb. 21.

Sumerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,497,964, Feb. 21.

Summer, Samuel, Albany, N. Y. Outer coat. 2,498,347, Feb. 21.

Sundstrom, Charles, assignor to Processing Specialties, Inc., Grand Rapids, Mich. Sugar bell mold. 2,498,187, Feb. 21.

Sutherland, Leslie H., Jr., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Antihistamines and preparation of the same. 2,498,227, Feb. 28.

Svoboda, Antonin, Cambridge, Mass. Mechanical computer. 2,498,308, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Multiplying linkage. 2,498,309, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Multiplying linkage. 2,498,310, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Mechanical divider. 2,498,311, Feb. 21.

Svoboda, Antonin, Cambridge, Mass. Multiplying and dividing linkage. 2,498,312, Feb. 21.

Swanson, Forrest R., assignor to Illinois Tool Works, Chicago, Ill. Fastener. 2,498,591, Feb. 21.

Swentt, Robert V., Jr., Memphis, Tex. Mechanic's creeper. 2,498,313, Feb. 21.

Swem, Harry A.: *See*—
Zemanek, Arnold F., and Swem.
Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.

Switzer, Joseph L., Cleveland Heights, and R. C. Switzer, South Euclid, Ohio. Daylight fluorescent pigment compositions. 2,498,592, Feb. 21.

Switzer, Joseph L., Cleveland Heights, and R. C. Switzer, South Euclid, Ohio. Daylight fluorescent resinous sheeting materials. 2,498,593, Feb. 21.

Switzer, Robert C.: *See*—
Switzer, Joseph L., and Robert C.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,498,625, Feb. 21.

Tackett, Albert G., Bethel, Ohio. Trap hook. 2,498,612, Feb. 21.

Talbot, David B., Britton, assignor of one-tenth to H. S. Brimm, one-tenth to H. W. Sims, and one-fifth to F. W. Jones, Oklahoma City, Okla. Alarm system. 2,498,613, Feb. 21.

Tawney, Pliny O., and J. G. Kuderna, Jr., Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Interpolymers of styrene, fumaric esters, and chlorinated alkenes. 2,498,099, Feb. 21.

Taylor, Edward C., Valley Stream, N. Y. Current-control apparatus for potential-measuring apparatus. 2,497,918, Feb. 21.

Taylor, Florence E., executrix: *See*—
Taylor, Robert S.

Taylor, Riley H., Portland, Oreg. Electric heating system with modulating control. 2,498,054, Feb. 21.

Taylor, Robert S., Seattle, Wash., F. E. Taylor, executrix of said R. S. Taylor. Synchronizing clutch for speed change systems. 2,498,464, Feb. 21.

Taylor, Smith & Taylor Company, assignee: *See*—
Bower, James A.

Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.

Teletone Radio Corporation, assignee: *See*—
Singer, Benjamin.

Templeman, William G.: *See*—
Sexton, William A., Slade, and Templeman.

Templeton, Kenly & Co., assignee: *See*—
McMillan, John L.

Texas Foundries, Inc., assignee: *See*—
Yeoman, Ray C.

Texas Gulf Sulphur Company, assignee: *See*—
Zemanek, Arnold F., and Swem
Zemanek, Arnold F., Swem, Trichler, Williams, and Kelly.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Hyde Park, Mass. Controlling mechanism for centrifugal separators. 2,498,314, Feb. 21.

Thomas, James M., Oklahoma City, Okla. Extension drive shaft and handle grip for rotatable and angularly adjustable tools. 2,498,465, Feb. 21.

Thomas, Peter, Augusta, Maine. Hydraulic snow shovel. 2,498,144, Feb. 21.

Thompson, Frank E., Jr., Grand Rapids, Mich. Marine propeller. 2,498,348, Feb. 21.

Thompson, Harold L., Havre, Mont. Oil retainer for crankcase oil dippers. 2,498,019, Feb. 21.

Thompson, Henry T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Phenolic color formers. 2,498,466, Feb. 21.

Thompson, Norman J., Newton, assignor to Factory Mutual Research Corporation, Boston, Mass. Fire-extinguishing apparatus. 2,498,512, Feb. 21.

Thompson, Willis F., Portland, Maine, assignor to The Alden Speare's Sons Co. Convertible knife sharpener. 2,498,018, Feb. 21.

Thomson, John B., Plandome, N. Y. Clamping device. 2,498,315, Feb. 21.

Thor Corporation, assignee: *See*—
Gerhardt, Andrew H.

Thunder, Harold G.: *See*—
Lane, Guy M., and Thunder.

Tinker, Townsend, Orchard Park, assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y. Heat exchanger. 2,498,145, Feb. 21.

Tissot-Dupont, André L. H., Annecy, France. Cigarette lighter. 2,498,316, Feb. 21.

Tomei, Michael J., Richmond Hill, N. Y. Sectional header for auto radiators. 2,498,594, Feb. 21.

Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Electric snap switch. 2,498,020, Feb. 21.

Tregoning, William C., Shaker Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Circuit selector switch. 2,498,614, Feb. 21.

Treichler, Herbert E.: *See*—
Zemanek, Arnold F., and Treichler.
Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.

Trevor, Bertram: *See*—
Peterson, Harold O., and Trevor.

Trotter, Albert L., Wichita, Kans. Removable floor unit for transporting equipment. 2,498,146, Feb. 21.

Tubbs, Lester G., and G. P. Lessmann, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote indicating system. 2,498,317, Feb. 21.

Turinsky, Otto: *See*—
Ralston, Anderson W., Turinsky, and Van Akkeren.

Tyrrell, William G., Seattle, Wash. Fluid operated material ejector for rotary can filling machines. 2,498,100, Feb. 21.

Union Oil Company of California, assignee: *See*—
Kimble, Dwight M.

Union Switch & Signal Company, The, assignee: *See*—
Breisch, Edgar W.

United Aircraft Corporation, assignee: *See*—
Lee, John G.

United Shoe Machinery Corporation, assignee: *See*—
Brown, Fred H.
Knott, Clyde L.

United States Rubber Company, assignee: *See*—
Aune, Alan E.
Feldman, John E.
Kuderna, Jerome G., Jr., and Snyder.
Tawney, Pliny O., and Kuderna, Jr.

Universal Engineering Corporation, assignee: *See*—
Berg, Egon G., and Voorderman.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electronic keying circuit with one negative and one positive voltage output. 2,497,965, Feb. 21.

Valentine, Harry J., Sr., assignee: *See*—
Hearn, Benjamin F., Crowder, and Valentine, Sr.

Van Akkeren, Leon: *See*—
Ralston, Anderson W., Turinsky, and Van Akkeren.

Van Brunt, John Deere, Company, assignee: *See*—
Hyland, William A.

Vandervell Products Limited, assignee: *See*—
Green, David F., and Salmon.

Van Mater, Henry L., Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Zirconium compound deodorant and antiperspirant. 2,498,514, Feb. 21.

Van Velsor, Clarence E., Berkeley, Calif. Phone attached radio silencing device. 2,498,349, Feb. 21.

Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Vaughan Knitting Company, Inc., The, assignee: *See*—
Schaefer, John H., Jr.

Veit, Wesley F., U. S. Army, Philadelphia, Pa. Bedclothes. 2,498,055, Feb. 21.

Via, Lester C., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Crystal holder. 2,497,966, Feb. 21.

Vickers Incorporated, assignee: *See*—
Gardiner, Duncan B.

Victor Chemical Works, assignee: *See*—
Woodstock, Willard H.

Vigor, Bertram C.: *See*—
Cadman, Norman G., and Vigor.

Vinten, Charles, London, England. Cinematograph camera with reflecting view finder. 2,498,188, Feb. 21.

Violette, Joseph B., Hampton, Va. Slidable spout attachment for cans. 2,498,318, Feb. 21.

Vircks, William A., Stetsonville, Wis. Paper-hanging device for papering ceilings. 2,498,595, Feb. 21.

Voorderman, Arend: *See*—
Berg, Egon G., and Voorderman.

Vutz, Wilhelm, and L. H. Bruggeman, Coldwater, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation, Baler mechanism. 2,498,319, Feb. 21.

Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of oxygenated compounds from synthetic naphthas. 2,497,967, Feb. 21.

Wagner, Ernest A., Stratford, Conn., assignor to General Electric Company. Feeding granular material to a mill and the like. 2,498,515, Feb. 21.

Wald, Sidney, Collingswood, N. J., assignor to Radio Corporation of America. Circuit for measuring phase shift. 2,498,597, Feb. 21.

Wallach, Robert S., Madison, N. J., assignor to Associated Development & Research Corporation, New York, N. Y. Tire inflation device. 2,498,596, Feb. 21.

Walsh, Allen A., West Englewood, N. J., assignor to Radio Corporation of America. Shock mount for collapsible antennas. 2,498,350, Feb. 21.

Walton, Thomas M.: *See*—
Laverell, William D., Walton, and Mumberg.

Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,498,101, Feb. 21.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Ball, Alpheus M.
Baller, Melvin D.
Clark, James L.
Hirschfelder, Joseph O.
Howard, Robert A.
Johnson, Balbina A., and Meleney.
Lipkin, Harry J.
Morris, John C.
Rambo, William R.
Steinke, Robert R.

Wattson, John H., Salt Lake City, Utah. Automatic control and distribution of fluids. 2,498,189, Feb. 21.

Weatherhead Company, The, assignee: *See*—
Raybould, Frank J.

Webber, John D., Portland, Oreg., assignor of one-half to W. A. Cole, Vancouver, Wash. Animated decorative device. 2,498,467, Feb. 21.

Weber, Tobias, Los Angeles, Calif. Percussive type fender and body shaping hand tool. 2,498,320, Feb. 21.

Webster, Ronald, Evanston, and D. H. Petty, Skokie, assignors to The Hydro-Blast Corporation, Chicago, Ill. Apparatus for eliminating dust and fumes. 2,498,468, Feb. 21.

Weeks, Leonard M., Milwaukee, Wis. Mixing device. 2,498,190, Feb. 21.

Weiss, David, Philadelphia, Pa. Continuously measuring angular accelerometer. 2,498,118, Feb. 21.

Welker, Charles W., Chicago, Ill. Barbed wire reel truck. 2,498,191, Feb. 21.

Weltmann, Ruth N., Forest Hills, assignor to Interchemical Corporation, New York, N. Y. Viscometer recorder. 2,497,919, Feb. 21.

Wenner, Ira R., Sycamore, Ohio. Snowplow. 2,498,470, Feb. 21.

Werner, Donald L., New Brunswick, N. J. Gas vent. 2,498,599, Feb. 21.

Werner, Frank D., Silver Spring, Md., assignor to the United States of America, as represented by the Secretary of the Navy. Nutator. 2,498,056, Feb. 21.

Western Electric Company, Incorporated, assignee: *See*—
Batt, Thomas H.
Wojciechowski, Bogumil M.

Western Union Telegraph Company, The, assignee: *See*—
Boughtwood, John E., and Michon.

Westinghouse Air Brake Company, The, assignee: *See*—
Cadman, Norman G., and Vigor.
Campbell, James A.
Leech, Kenneth H., and Shattock.
Newell, George K.

Westinghouse Electric Corporation, assignee: *See*—
Alben, Frank L.
Baker, Rest R., and Harris.
Baker, Robert M., and Wharff.
Balph, Dale T.
Barclay, William L., Jr.
Berberich, Leo J., and Pendleton.
Blackburn, Wayne E.
Boykin, John R.
Burgwin, Stephan L., Kovalsky, and Hull.
Cook, Willard C.
Elmer, William B.
Harder, Edwin L., and Kirschbaum.
Hartwig, Edward C.
Herchenroeder, Louis W.
Heuschkel, Julius, & La Hue.
Ivy, Joe G.
King, George E.
Kovalsky, Joseph F.
Langer, Bernard F.
Leonard, Merrill G.
Mahnke, Kurt.
Nadal, Arpad.
Pennow, Willis A., and Burns.
Peterson, Rudolph E., and Boyd.
Poole, Lloyd C.
Pringle, Mark A.
Rissler, Lennius R.
Tubbs, Lester G., and Lessmann.
Whitefield, Kyle C.

Wharff, Edward M.: *See*—
Baker, Robert M., and Wharff.

White, Blanche B.: *See*—
Seymour, George W., White, and Plunguian.

White, Fred L., and E. I. Belcher, assignors to The Osgood Co., Marion, Ohio. Portable excavator. 2,498,321, Feb. 21.

White, Harold K.: *See*—
Moecker, Henry, Jr., Frick, Meacham, and White.

White, Harry R., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,498,102, Feb. 21.

White, June S.: *See*—
Sears, Edward O.

White Motor Company, The, assignee: *See*—
Brunken, Renke.

Whitefield, Kyle C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flow control nozzle. 2,498,516, Feb. 21.

Whiteley, Edward O.: *See*—
Bierlich, Knud G., and Whiteley.

Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slipping weft detector for looms. 2,498,322, Feb. 21.

Wikheim, Peder L., Seattle, Wash. Fountain pen. 2,498,384, Feb. 21.

Willard Storage Battery Company, assignee: *See*—
Young, Charles A.

Williams, Columbus R.: *See*—
Zemanek, Arnold F., Swem, Treichler, Williams, and Kelly.

Williams, Dorothy D., Monessen, Pa., assignor of one-half to Mildred F. Lyons, Jackson Heights, N. Y. Safety apron. 2,498,471, Feb. 21.

Williams, James G., Sparks, Nev. Waste retainer for journal boxes. 2,498,385, Feb. 21.

Williams, Judson, Philadelphia, Pa. Carburetor. 2,498,598, Feb. 21.

Wilson, Ira G.: *See*—
Edson, William A., and Wilson.

Wilson, James E.: *See*—
Dodson, Walter L., and Wilson.

Wilson-Jones Co., assignee: *See*—
Segal, Samuel.

Wiltse, Gordon A., assignee: *See*—
Street, Horace R.

Winther, Anthony, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., as trustee. Control apparatus for polyphase systems. 2,498,057, Feb. 21.

Winther, Martin P., assignee, trustee: *See*—
Winther, Anthony.

Wirtz, Milton S.: *See*—
Erpf, Stanley F., Dietz, and Wirtz.

Wisner, Robert M.: *See*—
Stedman, Cecil K., Price, and Wisner.

Woltovitch, Peter S., Windsor, Conn. Photographic film holder for use in developing. 2,498,058, Feb. 21.

Wojciechowski, Bogumil M., assignor to Western Electric Company, Incorporated, New York, N. Y. Differential detector. 2,498,103, Feb. 21.

Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Plasticizing agents. 2,497,920, Feb. 21.

Woodworth, Charles B., Binghamton, N. Y. Indicator caliper. 2,498,323, Feb. 21.

Wotring, Gaylord H., Bridgeport, Conn., assignor to General Electric Company. Detergent supplying means for dishwashing apparatus. 2,498,517, Feb. 21.

Wright Products, Inc., assignee: *See*—
Falk, Harold W.

Wright, Stanley, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Dallas, Tex. and Denver, Colo. Well-drilling apparatus. 2,498,192, Feb. 21.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Quayle, George F.

Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Texas. Load transfer device. 2,498,472, Feb. 21.

York Corporation, assignee: *See*—
Andrews, John M.
Chamberlain, Joseph R.

Young, Charles A., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Method and apparatus for assembling battery elements. 2,498,021, Feb. 21.

Young, David W., Roselle, and J. P. Rocca, Linden, N. J., assignors to Standard Oil Development Company. Making a polyester. 2,497,968, Feb. 21.

Yourglich, Mildred M., and H. M. Bowe, Seattle, Wash., assignors to Boeing Airplane Company. Speednut holder. 2,498,324, Feb. 21.

Zarn, Adolphe, Zurich, Switzerland. Shuttle checking device for looms. 2,498,022, Feb. 21.

Zaroban, Richard F., assignor to Dutton-Lainson Co., Hastings, Nebr. Hand pump oiler. 2,498,228, Feb. 21.

Zele, Leon H., Torrington, Conn. Antiskid device. 2,498,023, Feb. 21.

Zemanek, Arnold F., H. A. Swem, H. E. Treichler, C. B. Williams and W. H. Kelly, assignors to Texas Gulf Sulphur Company, Newgulf, Tex. Forming a stock pile of sulfur. 2,498,325, Feb. 21.

Zemanek Arnold F., and H. A. Swem, assignors to Texas Gulf Sulphur Company, Newgulf, Tex. Forming a stock pile of sulfur. 2,498,326, Feb. 21.

Zemanek, Arnold F., and H. E. Treichler, assignors to Texas Gulf Sulphur Company, Newgulf, Tex. Forming blast-holes in sulfur stock piles. 2,498,327, Feb. 21.

Ziering, Albert: *See*—
Lee, John, and Ziering.

Zingman, Sam, and J. Krinick, Brooklyn, N. Y. Circular clothesline for windows. 2,498,518, Feb. 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Propelling device for aircraft, Reaction. R. Anxionnaz and R. Imbert. Re. 23,198, Feb. 21.

LIST OF DESIGN INVENTIONS

Air cleaner and intake silencer unit, Combination. J. B. and F. Sebok. 157,443, Feb. 21.
Airplane. W. K. Ebel, P. M. Magruder, and M. B. Bassett. 157,353, Feb. 21.
Ashtray or similar article. E. San Giovanni. 157,438, Feb. 21.
Badge or similar article. E. Bonner and E. Bowers. 157,333, Feb. 21.
Bank. F. J. Castillo. 157,339, Feb. 21.
Base or similar article, Fifth wheel. R. A. Braunberger. 157,335, Feb. 21.
Bicycle. P. A. Baretta. 157,322, Feb. 21.
Bottle. J. von Miklos. 157,451, Feb. 21.
Bow tie. R. D. Sherwood. 157,444, Feb. 21.
Box, Card index. L. A. Wheeler. 157,455, Feb. 21.
Box, Step. T. C. Bair. 157,319, Feb. 21.
Brewer, Beverage. H. Richards. 157,428, Feb. 21.
Brooch or similar article. A. Philippe. 157,417–24, Feb. 21.
Buckle, Belt. K. Krasnow. 157,382, Feb. 21.
Buckle or similar article, Lingerie. C. Lombardi. 157,386, Feb. 21.
Building structure. G. D. Tesch. 157,449, Feb. 21.
Bumper guard and fog light, Combination. W. B. R. Bell. 157,326, Feb. 21.
Bumper, Motorcycle. C. Powers. 157,427, Feb. 21.
Cabinet, Dictating machine transcriber. A. C. De Napoli, Jr., and R. Spilman. 157,350, Feb. 21.
Cabinet or the like, Vanity. M. A. Francis. 157,362, Feb. 21.
Cabinet, Radio. R. D. Budlong. 157,338, Feb. 21.
Cabinet, Radio. J. De Young. 157,352, Feb. 21.
Cabinet, Radio. K. Emde and H. H. Steglich. 157,354, Feb. 21.
Can cover and dispenser for liquids, Combination. L. M. Baker. 157,320, Feb. 21.
Cap, Bottle. G. L. Bulard. 157,332, Feb. 21.
Cap for a milk bottle, Pouring. J. Beseke. 157,328, Feb. 21.
Cap, Gas tank. G. C. Knight. 157,279, Feb. 21.
Cap or similar article. R. R. Eratico. 157,356, Feb. 21.
Carpet. R. Fleck. 157,359, Feb. 21.
Carrier, Bottle. G. M. Acton. 157,316, Feb. 21.
Case for a photographic exposure meter. R. J. Kingsnorth. 157,378, Feb. 21.
Casing for automobile directional signal. R. Daon. 157,349, Feb. 21.
Chain for a bracelet or similar article, Link. M. Chernow. 157,342, Feb. 21.
Chair. W. I. Smith. 157,447, Feb. 21.
Circulator, Air. J. Palma, Jr. 157,406, Feb. 21.
Clamp for bicycles, Kick stand. R. L. Pawsat. 157,416, Feb. 21.
Cleaner, Shrimp. C. M. Riha. 157,430, Feb. 21.
Coffee-making apparatus. P. Pappas. 157,407, Feb. 21.
Coffee-making device. J. S. Mather, Jr. 157,398, Feb. 21.
Container or the like, Candy. J. W. Rucker. 157,435, Feb. 21.
Control unit, Electrical. G. C. Izenour. 157,373–4, Feb. 21.
Corn popper or similar article, Electrical. C. E. Applegate. 157,317, Feb. 21.
Cover or similar article, Wheel. G. A. Lyon. 157,387–93, Feb. 21.
Coverall or the like. H. C. Cookman. 157,346, Feb. 21.
Covering or the like, Wall. A. B. Barnhart. 157,325, Feb. 21.
Creamer. J. L. Parentice. 157,415, Feb. 21.
Desk. I. Kramer. 157,381, Feb. 21.
Desk set, Smoker's. F. J. Schroeder. 157,441, Feb. 21.
Dish. J. Epstein. 157,355, Feb. 21.
Dispenser. H. F. Cook. 157,345, Feb. 21.

Display package for brushes, Protective. J. Cray. 157,347, Feb. 21.
Display stand. W. S. Ziolkowski and T. Poprocki. 157,260, Feb. 21.
Earring or similar article. J. Fath. 157,358, Feb. 21.
Earring or similar article. A. Fleuridas. 157,360, Feb. 21.
Egg cooker and server, or the like, Combination. A. L. Jones and L. M. Wheeler. 157,375, Feb. 21.
Emblem, Lapel. G. A. MacCann. 157,394, Feb. 21.
Filter for motor vehicles, Glare. E. F. Piwczynski and R. Galinski. 157,425, Feb. 21.
Frame, Picture. W. H. Ott. 157,405, Feb. 21.
Game board. F. W. Leonow. 157,385, Feb. 21.
Game board. E. P. Truesdale. 157,450, Feb. 21.
Gauge, Marking. M. E. Nowak. 157,404, Feb. 21.
Glass, Drinking. F. R. Mathews and H. L. Blanton. 157,399, Feb. 21.
Glass, Drinking. A. Sloan. 157,445, Feb. 21.
Glass, Liquor measuring. R. H. Freshley. 157,364, Feb. 21.
Glove. M. Blanc. 157,331, Feb. 21.
Grater and dispenser, Soap. J. H. Crichton. 157,348, Feb. 21.
Grinder, Food. D. L. Marcantonio. 157,395–6, Feb. 21.
Guard, Automobile grille. H. and J. E. Poncher. 157,426, Feb. 21.
Guard, Grille. L. M. D. Bailey. 157,318, Feb. 21.
Guard or similar article, Fender. H. Bookman. 157,334, Feb. 21.
Hair pin and frame for setting pin curls, Combined. W. K. Fairchild. 157,357, Feb. 21.
Hat. E. N. Graham. 157,369–70, Feb. 21.
Hat or the like. H. Z. Chamberlin. 157,340, Feb. 21.
Helicopter. C. A. Barnett. 157,323, Feb. 21.
Holder, Bottle. D. L. Halcomb. 157,371, Feb. 21.
Jar. J. L. Parentice. 157,414, Feb. 21.
Jug, Ball. J. L. Parentice. 157,413, Feb. 21.
Jug, Beater. J. L. Parentice. 157,411, Feb. 21.
Jug, Covered. J. L. Parentice. 157,412, Feb. 21.
Lamp. H. L. Zelchenko. 157,459, Feb. 21.
Lid for a beverage brewer. S. H. Frankel. 157,363, Feb. 21.
Ornament, Automobile hood. H. A. Richman. 157,429, Feb. 21.
Padding, Undercarpet. B. F. Wills. 157,456, Feb. 21.
Plate or similar article. E. W. Newton. 157,402, Feb. 21.
Rack, Towel. N. W. Roop. 157,431, Feb. 21.
Radiator shell. L. Mitchell. 157,401, Feb. 21.
Rear bumper, trailer hitch, and foot platform for vehicles, Combination. C. G. Barden. 157,321, Feb. 21.
Receiver, Television. E. B. Benjamin. 157,327, Feb. 21.
Receiving device, Coin. A. M. Gordon. 157,367, Feb. 21.
Receptacle, Medicament. V. E. Britt. 157,337, Feb. 21.
Ring, Finger. L. A. Wheeler. 157,454, Feb. 21.
Scraper. H. A. Wagner. 157,453, Feb. 21.
Seat and cover therefor, Toilet. G. M. Mast and W. K. Gannett. 157,397, Feb. 21.
Seat or similar article, Child's. G. Karchenes. 157,376, Feb. 21.
Service unit, Table. S. H. Smith and J. B. Solman. 157,446, Feb. 21.
Shelf, Telephone. L. E. Fulton. 157,365, Feb. 21.
Signal light and ash receiver, Combined. A. C. Conner. 157,344, Feb. 21.
Spoon, Child's. R. S. Claflin. 157,343, Feb. 21.
Step device, Portable. H. E. Rogers. 157,436, Feb. 21.
Stopper, Bottle. F. M. Breen. 157,336, Feb. 21.
Stopper, Bottle. J. Gould, Jr. 157,368, Feb. 21.
Sugar bowl. J. L. Parentice. 157,410, Feb. 21.
Suit, Child's cowboy. H. D. Knight. 157,380, Feb. 21.
Sun suit. N. Nicoll. 157,403, Feb. 21.
Support, Flower. R. Gerth. 157,366, Feb. 21.
Sweater or the like. H. Rubin. 157,433–4, Feb. 21.
Table. A. E. Sternkopf. 157,448, Feb. 21.

Table and lamp, Combined. F. M. Scarale. 157,439, Feb. 21.
Table, Extension. M. S. Karp. 157,377, Feb. 21.
Teapot. J. L. Parentice 157,408–9, Feb 21.
Tire. E. A. Salcy. 157,437, Feb. 21.
Toy animal figure or the like. R. Mirman. 157,400, Feb. 21.
Toy elephant. E. A. P. Hall. 157,372, Feb. 21.
Toy figure. B. Wolf. 157,457, Feb. 21.
Tractor, Garden. H. C. Roths. 157,432, Feb. 21.
Trailer body. J. J. Black. 157,329–30, Feb. 21.
Tray table or similar article, Portable. S. G. Barnett. 157,324, Feb. 21.
Triangle, Modular. H. F. Zagray. 157,458, Feb. 21.
Truck body. W. O. Ford. 157,361, Feb. 21.
Truck body. B. Schwartzman and W. C. Gatewood. 157,442, Feb. 21.
Urn, Coffee. W. B. and W. B. Law. 157,383, Feb. 21.
Vehicle. E. C. De Smet. 157,351, Feb. 21.
Vehicle, Earth moving. E. B. Wagner. 157,452, Feb. 21.
Vending machine, Beverage. D. E. Lawson. 157,384, Feb. 21.
Wallet or similar article. H. Chase. 157,341, Feb. 21.
Wheel, Airplane control. C. M. Schindler. 157,440, Feb. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abdominal support. H. Morrison. 2,498,290, Feb. 21.
Absorption system, Split ammonia. C. D. Hartman, Jr., and A. J. Cordrey. 2,498,369, Feb. 21.
Accelerometer, Continuously measuring angular. D. Weiss. 2,498,118, Feb. 21.
Acetylene, Production of. J. B. Orr, Jr. 2,498,444, Feb. 21.
Actuating means for rail lubricating pumps. S. E. Bates. 2,498,519, Feb. 21.
Agitating device. D. H. Clewell. 2,498,393, Feb. 21.
Air conditioner. J. M. Lewis. 2,497,947, Feb. 21.
Air conditioning system. J. Kohut. 2,498,427, Feb. 21.
Air conditioning unit, Pedestal type. R. Petticrew. 2,498,342, Feb. 21.
Aircraft door. J. B. Castle. 2,498,527, Feb. 21.
Alarm system. D. B. Talbot. 2,498,613, Feb. 21.
Alcohol process. R. F. Robey and S. G. Gallo. 2,497,959, Feb. 21.
Alkylidenesuccinic esters, Preparing. M. C. Kloetzel. 2,498,371, Feb. 21.
Aluminum hexacarbamide periodide as water disinfectant. J. C. Morris. 2,498,174, Feb. 21.
Amino alkyleneoxide polymerisation product. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,498,195, Feb. 21.
Amphibious equipment for vehicles. A. H. Benson. 2,497,857, Feb. 21.
Amplifier for servo devices, Electronic. F. H. Shepard, Jr. 2,497,962, Feb. 21.
Amplifier, High-frequency. C. W. Hansell. 2,498,267, Feb. 21.
Animal holder. R. E. Shipley. 2,498,051, Feb. 21.
Antihistamines and preparation of the same. L. H. Sutherland, Jr. 2,498,227, Feb. 21.
Antiskid device. L. H. Zeie. 2,498,023, Feb. 21.
Apparatus and method for detecting flaws in magnetizable bodies. W. C. Barnes and H. W. Keevil. 2,497,856, Feb. 21.
Apparatus for condensing refrigerants by evaporative cooling. R. C. Stutz. 2,498,017, Feb. 21.
Apparatus for conveying pulverized material. H. Struckmann. 2,498,143, Feb. 21.
Apparatus for drying fabrics or the like. D. T. Balph. 2,498,478, Feb. 21.
Apparatus for electroplating workpieces. M. Lang. 2,498,128, Feb. 21.
Apparatus for eliminating dust and fumes. D. H. Petty. 2,498,469, Feb. 21.
Apparatus for eliminating dust and fumes. R. Webster and D. H. Petty. 2,498,468, Feb. 21.
Apparatus for logging boreholes. T. A. Huber and G. E. Cannon. 2,497,990, Feb. 21.
Apparatus for measuring adherence of coating films. H. Green. 2,498,265, Feb. 21.
Apparatus for mixing and pouring a quick-setting material. T. J. Foster. 2,498,363, Feb. 21.
Apparatus for processing thread in the form of a package. L. S. Fryer, P. J. E. Andersson, and W. J. Jokilehto. 2,498,540, Feb. 21.
Apparatus for projecting circular markings upon non-planar surfaces. J. G. Arnold and W. C. Piggott. 2,497,853, Feb. 21.
Applying protector collars to drill pipes. L. W. Ballard. 2,497,921, Feb. 21.
Apron, Safety. D. D. Williams. 2,498,471, Feb. 21.
Arrangement for drafting and twisting fibrous material in spinning frames. H. Fraser. 2,498,364, Feb. 21.
Artificial eye. S. F. Erpf. 2,497,873, Feb. 21.
Artificial eye. S. F. Erpf, V. H. Dietz, and M. S. Wirtz. 2,497,872, Feb. 21.
Ascending and descending device. A. Pascoe. 2,498,445, Feb. 21.
Ash receptacle. F. G. Julyan and W. M. Schweickart. 2,498,370, Feb. 21.
Assembling ball-pointed writing instruments, Method of and apparatus for. C. O. Schrader and H. M. Sears. 2,498,009, Feb. 21.
Assembling battery elements, Method and apparatus for. C. A. Young. 2,498,021, Feb. 21.
Attachment for ambulance cots, Lamp. P. W. McLellan. 2,498,287, Feb. 21.
Attachment for machine heads, Tilt indicating. W. E. Shenefelt. 2,498,460, Feb. 21.
Attachment for mounting rotatable tools to a tractor and for operating the tools by the tractor motor. R. O. Shepard and H. K. Hutchinson. 2,498,138, Feb. 21.
Attachment for producing propeller blanks, Band saw. H. B. Daniel. 2,497,869, Feb. 21.
Attachment for radio sets. B. Singer. 2,497,963, Feb. 21.
Automatic gauge valve. E. M. Greer and D. A. Stark. 2,498,366, Feb. 21.
Axially movable piston type hydraulic clutch. H. A. James. 2,497,993, Feb. 21.
Azo dyestuff images from N-acyl-N-aryl hydrazine developers, Production of. W. E. Hanford. 2,498,418, Feb. 21.
Bacitracin, Producing. B. A. Johnson and F. L. Meleney. 2,498,165, Feb. 21.
Baler mechanism. W. Vutz and L. H. Bruggeman. 2,498,319, Feb. 21.
Bar for tires, Lock ring safety. H. B. Gilpatrick. 2,498,412, Feb. 21.
Base, Adjustable motor. W. J. Boyle. 2,498,392, Feb. 21.
Base member for electron discharge tubes. G. N. Phelps. 2,498,378, Feb. 21.
Basket mounting bracket. E. F. Pawsat. 2,498,446, Feb. 21.
Beads or the like, Method and apparatus for making. P. Ganzinotti. 2,498,365, Feb. 21.
Beam blanking and sweep control. G. A. Roberts. 2,498,579, Feb. 21.
Bearing: *See*—
Radial bearing.
Beater for combines, Down. J. P. Humphrey. 2,498,424, Feb. 21.
Bedclothes. W. F. Veit. 2,498,055, Feb. 21.
Betatron injector structure. D. W. Kerst. 2,497,891, Feb. 21.
Biguanide compounds. F. H. S. Curd and F. L. Rose. 2,498,252, Feb. 21.
Binder. P. R. Schroeppel. 2,498,510, Feb. 21.
Binder, Loose-leaf. J. A. Erwin. 2,498,404, Feb. 21.
Binder, Simplified loose-leaf. S. Segal. 2,498,584, Feb. 21.
Bit: *See*—
Drill bit.
Blade ring for radial-flow elastic fluid turbines. A. K. Johansson, E. D. Lindblom, and H. I. O. Ohlberger. 2,498,425, Feb. 21.
Blades, Propeller. G. Meier. 2,498,170, Feb. 21.
Block: *See*—
Building block.
Blouse, Lady's. H. E. Davidson. 2,498,254, Feb. 21.
Blower drive for boundary layer control systems on aircraft. E. A. Stalker. 2,498,140, Feb. 21.
Board of molded plastic material, Chalk-writing. C. E. Smith. 2,498,586, Feb 21.
Bobby pin. E. L. Challinor. 2,498,066, Feb. 21.
Boot with front and rear reinforcing strips, Flexible. L. H. L'Hollier. 2,498,437, Feb. 21.
Booth and baking oven, Combination paint. W. J. Miskella. 2,498,339, Feb. 21.
Bottom for ovens or broilers, Detachable. G. Klein. 2,498,554, Feb. 21.
Bracelet and making the same. J. Kr[illegible]ler. 2,498,211, Feb. 21.
Bracket: *See*—
Basket mounting bracket. Detachable b[illegible]ket.
Curtain rod bracket. Venetian blind bracket.
Bracket and extension mounting means therefor, Venetian blind. H. B. Chatfield. 2,498,068, Feb. 21.
Brake: *See*—
Hydrokinetic brake. Variable load brake.
Rotor brake.
Brake apparatus, Fluid pressure. K. H. Leech and C. F. B. Shattock. 2,498,498, Feb. 21.
Brake pedal latch. C. Buckel. 2,498,246, Feb. 21.
Braking element for disk brakes, Friction. G. K. Newell. 2,498,501, Feb. 21.
Brassière. F. E. Everitt. 2,497,934, Feb. 21.
Buckle, Saddle. M. M. Garner. 2,498,334, Feb. 21.
Build-up of radio frequency oscillations, Method and apparatus for producing rapid. R. C. Jensen. 2,498,495, Feb. 21.
Building block. J. P. Kany. 2,498,276, Feb. 21.
Building construction, Panel. M. G. Hilpert. 2,497,887, Feb. 21.
Bundling machine, Sheet metal. J. Ferrando. 2,497,984, Feb. 21.
Burner for waste and low-grade oils. W. H. Paulin. 2,498,002, Feb. 21.
Burner with combined aeration and collection tray, Double ring. H. Moecker, Jr. W. H. Frick, E. M. Meacham, and H. K. White. 2,498,289, Feb. 21.
Burners having forced primary air, Conversion gas. M. A. Heller and A. J. Conti. 2,498,162, Feb. 21.
Cable: *See*—
Electrical cable.
Cable tensioning device. S. Dyk. 2,498,603, Feb. 21.

Calculating machine, Ten-key. G. V. Liljeström. 2,498,439, Feb. 21.
Calibration of telemetering equipment. C. K. Stedman, H. J. Price, and R. M. Wismer. 2,498,306, Feb. 21.
Caliper, Indicator. C. B. Woodworth. 2,498,323, Feb. 21.
Camera shutter and synchronizing switch. M. Kaplowitz. 2,498,277, Feb. 21.
Camera support and shutter release, Combined. H. Ryder. 2,498,137, Feb. 21.
Camera with reflecting view finder, Cinematograph. C. Vinten. 2,498,188, Feb. 21.
Cap. A. Klar. 2,497,892, Feb. 21.
Capping machine, Bottle. A. C. Naccarato and R. E. McCauley. 2,498,443, Feb. 21.
Capsule with dispensing punch, Compressed gas. P. Alexander. 2,498,147, Feb. 21.
Carburetor. J. Williams. 2,498,598, Feb. 21.
Cargo handling means. H. Hamilton. 2,498,161, Feb. 21.
Case: *See*—
Cigarette case. Spectacle case.
Cellulose esters, The production of. G. W. Seymour, B. B. White, and M. Plunguian. 2,498,010, Feb. 21.
Cellulose ether, Insolubilized. A. L. Houk and L. H. Bock. 2,498,208, Feb. 21
Chain: *See*—
Tire chain.
Chain making machine. C. Deiss. 2,498,031, Feb. 21.
Chair for barbers or dentists, Operator's. J. A. Pullen. 2,498,004, Feb. 21.
Chair iron. T. Elleman. 2,498,106, Feb. 21.
Chair unit, Dental. C. W. Johnson and J. T. Clark. 2,498,550, Feb. 21.
Chamber, Baby travel. S. and H. Pourch. 2,498,576, Feb. 21.
Change maker. D. S. and L. B. Brahe. 2,498,150, Feb. 21.
Changing the composition of a combustible gas by diffusion. G. V. McGurl. 2,497,898, Feb. 21.
Chemical apparatus. W. O. Luertzing. 2,498,216, Feb. 21.
Chock and mooring bitts, Combination roller. J. M. Coffin. 2,498,394, Feb. 21.
Chuck, Drill. C. W. Bracker. 2,498,525, Feb. 21.
Cigarette case. L. Esterow. 2,498,035, Feb. 21.
Circuit: *See*—
Comparator circuit. Television intercarrier or sound receiver circuit.
Electronic timing circuit.
Circuit breaker, Thermal. A. H. Dell and J. H. Sreb. 2,498,032, Feb. 21.
Circuit breaker with contact arc prevention, Thermostatic. T. M. Gunn. 2,498,039, Feb. 21.
Circuit for cathode-ray tubes, Electromagnetic deflection. O. H. Schade. 2,498,007, Feb. 21.
Circuit for measuring phase shift. S. Wald. 2,498,597, Feb. 21.
Circuit selector switch. W. C. Tregoning. 2,498,614, Feb. 21.
Circuit with one negative and one positive-voltage output, Electronic keying. G. L. Usselman. 2,497,965, Feb. 21.
Clamp or holder, Paintbrush. N. J. Smith. 2,498,511, Feb. 21.
Clamping device. F. F. Kortlucke, Jr., and F. W. Stellwagen. 2,498,372, Feb. 21.
Clamping device. J. B. Thomson. 2,498,315, Feb. 21.
Clarifier. J. J. Neugle. 2,498,292, Feb. 21.
Clasp, Garter. C. J. Cantello. 2,498,154, Feb. 21.
Clasp, Hat. C. Strambini. 2,498,225, Feb. 21.
Cleaner: *See*—
Suction cleaner.
Cleaning machine, Egg. H. T. Linsmeier. 2,497,949, Feb. 21.
Cleansers, Denture. T. H. Rider, F. L. Humoller, and S. D. Gershon. 2,498,343–4. Feb. 21.
Clinkers, The production of porous. A. F. Bomgren. 2,498,355, Feb. 21.
Clinometer, Pocket. R. A. Kennedy and C. A. Harms. 2,498,083, Feb. 21.
Clock setting system. L. J. Stern. 2,498,462, Feb. 21.
Closure. T. H. Risk. 2,498,345, Feb. 21.
Closure for bottles and the like, Drop counting. J. da Veiga Soares. 2,497,980, Feb. 21.
Cloth, Stiffened. H. Goldberg. 2,498,077, Feb. 21.
Clothesline for windows, Circular. S. Zingman and J. Krinisck. 2,498,518, Feb. 21.
Clutch: *See*—
Axially movable piston type hydraulic clutch. Transversely engaging positive clutch.
Lubricated friction clutch.
Synchronized and adjustable safety clutch.
Clutch for speed change systems, Synchronizing. R. S. Taylor. 2,498,464, Feb. 21.
Coat, Outer. S. Summer. 2,498,347, Feb. 21.
Coating composition and coated paper, Paper. H. C. N. Heckel. 2,498,207, Feb. 21.
Coating compositions, Cellulose nitrate. W. K. Moffett. 2,498,091, Feb. 21.
Coating zinc or cadmium to impart corrosion and abrasion resistance. C. W. Ostrander. 2,497,905, Feb. 21.
Coffee-making apparatus. V. R. Alexander. 2,498,386, Feb. 21.
Coin trick apparatus. F. Renz. 2,498,298, Feb. 21.
Color formers, Phenolic. H. T. Thompson. 2,498,466, Feb. 21.
Coloring glass. M. M. Peterson. 2,498,003, Feb. 21.
Comb. A. J. Fabis. 2,497,983, Feb. 21.
Combination stand. E. W. Mallory. 2,498,563, Feb. 21.
Communication system for ultrashort radio waves. H. O. Peterson and B. Trevor. 2,497,958, Feb. 21.
Comparator circuit. R. A. Howard. 2,498,548, Feb. 21.
Composing apparatus having auxiliary supports, Photographic cylindrical. W. C. Huebner. 2,497,991, Feb. 21.
Composite sheet, Electrically conducting. L. F. Hickernell. 2,498,493, Feb. 21.
Computer, Electronic. H. Harris, Jr.. 2,497,883, Feb. 21.
Computer, Mechanical. A. Svoboda. 2,498,308, Feb. 21.
Computing system, Range and elevation. R. H. Rines. 2,497,913, Feb. 21.
Concentrating fluorspar ores. J. B. Clemmer and B. H. Clemmons. 2,497,863, Feb. 21.
Concentration control. F. W. Schmitz. 2,498,008, Feb. 21.
Conductors, Making insulated electrical. E. W. Breisch. 2,498,357, Feb. 21.
Conicating system, Remote. L. G. Tubbs and G. P. Lessmann. 2,498,317, Feb. 21.
Connecting device. T. H. Batt. 2,497,922, Feb. 21.
Connection for pipes, Adjustable. J. H. Goode. 2,497,987, Feb. 21.
Connector: *See*—
Trolley wire connector.
Connector. R. R. Steinke. 2,498,589, Feb. 21.
Construction for shafts, Moistureproof. T. Cymmer. 2,497,867, Feb. 21.
Construction of suit and like cases. A. B. and S. H. Cole. 2,497,979, Feb. 21.
Contact device, Electrical. A. Gavallet. 2,498,410, Feb. 21.
Container closure. S. W. Dennis. 2,497,870, Feb. 21.
Container for pigmented liquids. P. E. Knudsen and E. H. Heaton. 2,498,125, Feb. 21.
Control and distribution of fluids, Automatic. J. H. Wattson. 2,498,189, Feb. 21.
Control apparatus. W. H. Wannamaker, Jr. 2,498,101, Feb. 21.
Control apparatus for polyphase systems. A. Winther. 2,498,057, Feb. 21.
Control apparatus, Safety. J. A. Campbell. 2,498,483, Feb. 21.
Control for electrical tuners and couplers, Common. A. E. Harrison. 2,498,078, Feb. 21.
Control for stoker supplied furnaces, Overfire air blower. P. G. Frerer. 2,497,879, Feb. 21.
Control means for sound-slide film projectors. S. B. Coleman. 2,498,070, Feb. 21.
Control mechanism for metering gases to fluids. E. W. Barbee. 2,498,196, Feb. 21.
Control of electric motors for operation of wing flaps of aircraft. D. P. Alexander. 2,498,231, Feb. 21.
Control system. J. R. Boykin. 2,498,242, Feb. 21.
Control system, Antenna tuning. W. B. Morrison. 2,498,340, Feb. 21.
Control system for alternating current motors. W. L. Barclay, Jr. 2,498,236, Feb. 21.
Control system for electric valves. E. Schorno. 2,498,457, Feb. 21.
Control system, Machine-tool. L. W. Herchenroeder. 2,498,272, Feb. 21.
Control system, Thermostatically actuated. W. B. Elmer. 2,498,259, Feb. 21.
Controller, Level. A. Lippman, Jr. 2,498,089, Feb. 21.
Controlling mechanism for centrifugal separators. J. E. Tholl. 2,498,314, Feb. 21.
Convection and forced draft air flow and combustion air heating furnace. R. W. De Lancey. 2,498,362, Feb. 21.
Conversion of hydrocarbons. E. T. Layng. 2,498,607, Feb. 21.
Conversion of hydrocarbons with suspended catalyst. W. K. Lewis and E. R. Gilliland. 2,498,088, Feb. 21.
Conversion process. C. E. Hemminger. 2,497,940, Feb. 21.
Conveying apparatus. S. Nielsen. 2,498,218, Feb. 21.
Cooling reaction gases. J. E. Bludworth and M. H. Kotzebue. 2,497,973, Feb. 21.
Corn harvester. L. A. Paradise, W. J. Coultas, and N. F. Andrews. 2,498,093, Feb. 21.
Counting, Electronic. A. E. Joel, Jr., and R. O. Soffel. 2,498,081, Feb. 21.
Coupling: *See*—
High-pressure swivel hose coupling.
Coupling. M. W. Brandau and B. A. Main, Jr. 2,498,104, Feb. 21.
Cover: *See*—
Wheel cover.
Cover assembly, Box. J. Rock, Jr. 2,498,135, Feb. 21.
Creeper, Mechanic's. R. V. Sweatt, Jr. 2,498,313, Feb. 21.
Crystal holder. L. C. Via. 2,497,966, Feb. 21.
Curing acrylic base denture material. W. M. Harrison. 2,498,368, Feb. 21.
Current-control apparatus for potential-measuring apparatus. E. C. Taylor. 2,497,918, Feb. 21.
Curtain rod bracket. N. Straus. 2,498,590, Feb. 21.
Cushion, Foot. G. C. Skinner. 2,498,624, Feb. 21.
Cutting mechanism for knitting machines. J. H. Schaefer, Jr. 2,498,096, Feb. 21.
Decating fabrics. W. N. Hadley. 2,498,416, Feb. 21.
Deceleration apparatus. C. T. G. Looney, L. G. Howell, and B. G. Johnston. 2,498,045, Feb. 21.
Decorative device, Animated. J. D. Webber. 2,498,467, Feb. 21.

Decthanizing rich oil. H. M. Nelly, Jr. 2,498,177, Feb. 21.
Demagnetizing high coercive force materials. H. A. Howell. 2,498,423, Feb. 21.
Demonstration device. S. C. Fay. 2,498,406, Feb. 21.
Deodorant and anti-perspirant, Zirconium compound. H. L. Van Mater. 2,498,514, Feb. 21.
Deodorizing refined petroleum oils and waxes. E. C. Daigle. 2,498,201, Feb. 21.
Desulfurization and conversion of a naphtha. E. T. Layng and L. C. Rubin. 2,498,559, Feb. 21.
Detachable bracket. O. J. Poupitch. 2,498,623, Feb. 21.
Detector, Differential. B. M. Wojciechowski. 2,498,103, Feb. 21.
Detector for high energy radiation. A. M. Skellett. 2,498,461, Feb. 21.
Detector for looms, Side slipping weft. H. A. Whitin. 2,498,322, Feb. 21.
Detector system, Frequency-modulation. L. F. Curtis and B. D. Loughlin. 2,498,253, Feb. 21.
Detergent supplying means for dishwashing apparatus. G. H. Wotring. 2,498,517, Feb. 21.
Deterrent, Digit sucking. N. K. Haniuk. 2,498,122, Feb. 21.
Developing apparatus for photographic films, Daylight. A. Alk. 2,498,477, Feb. 21.
Device for generating high-frequency electrical oscillations. T. Douma. 2,498,257, Feb. 21.
Device for training golfers. J. R. Ridill. 2,498,006, Feb. 21.
Dial along which a pointer is movable, more particularly tuning dial for radio apparatus. A. N. Legras. 2,498,436, Feb. 21.
Dihydrostreptomycin and acid addition salts. R. L. Peck. 2,498,574, Feb. 21.
Disher, Ice cream. S. Bloomfield. 2,498,331, Feb. 21.
Dispenser: *See*—
Rolled paper dispenser.
Dispensing apparatus, Liquefied gas. O. R. Anderson. 2,497,969, Feb. 21.
Display apparatus. F. R. Rambo and M. Angelo. 2,498,297, Feb. 21.
Displays, Making novelty. J. E. Feldman. 2,498,074, Feb. 21.
Dithering device. J. Erwood. 2,498,034, Feb. 21.
Divider, Mechanical. A. Svoboda. 2,498,311, Feb. 21.
Doctor device for rolls and cylinders. E. R. Ljungquist. 2,498,213, Feb. 21.
Doctor mechanism for paper machines. E. R. Ljungquist. 2,498,214, Feb. 21.
Doll. I. Stokes. 2,498,141, Feb. 21.
Door: *See*—
Aircraft door.
Draft unit, Combination natural and forced. C. J. Jendresen. 2,497,944, Feb. 21.
Dress, Reversible. A. Brick. 2,498,332, Feb. 21.
Drier: *See*—
Gas-heated clothes drier.
Drier. A. L. Leeth. 2,498,560, Feb. 21.
Drill bit. E. S. Creel. 2,498,251, Feb. 21.
Drilling fluids, Treatment of. E. S. Self. 2,498,301, Feb. 21.
Drink mixer. L. Myers. 2,498,570, Feb. 21.
Drive and support structure, Tumbler cylinder. A. L. Reiter. 2,498,181, Feb. 21.
Drive for helicopters. J. G. Lee. 2,498,283, Feb. 21.
Drive for reversible operation, Adjustable-voltage. G. E. King. 2,498,280, Feb. 21.
Drive for revolutions counter, Reversible. S. A. E. Lundin. 2,498,130, Feb. 21.
Drive, Locomotive axle quill. F. L. Alben. 2,498,230, Feb. 21.
Drive mechanism, Oscillating. N. W. Oakes. 2,498,293, Feb. 21.
Drive, Reduction gear. R. E. Peterson and J. Boyd. 2,498,295, Feb. 21.
Drive shaft and handle grip for rotatable and angularly adjustable tools, Extension. J. M. Thomas. 2,498,465, Feb. 21.
Drive system. R. R. Baker and W. R. Harris. 2,498,234, Feb. 21.
Drying oil, Modified. J. Nichols. 2,497,904, Feb. 21.
Drying oils. P. Kass and J. Nichols. 2,497,890, Feb. 21.
Duster, Revolving. K. Kharibian. 2,497,906, Feb. 21.
Educational device. R. E. Reinnagel. 2,498,578, Feb. 21.
Ejector for keys, Automatic. A. Moebes and A. Briggs, Sr. 2,498,288, Feb. 21.
Ejector for rotary can filling machines, Fluid operated material. W. G. Tyrrell. 2,498,100, Feb. 21.
Electric machine, Rotary. J. G. Ivy. 2,498,274, Feb. 21.
Electric snap switch. F. J. Trainor. 2,498,020, Feb. 21.
Electric switch. M. B. Cole. 2,498,531, Feb. 21.
Electrical cable. L. F. Hickernell. 2,498,494, Feb. 21.
Electrically vibrated retouching stand. E. C. Lloyd. 2,498,168, Feb. 21.
Electronic timing circuit. H. M. Merrill. 2,498,566, Feb. 21.
Electroplating fine wire of low elastic limit. C. Luke. 2,497,894, Feb. 21.
Elimination of static electricity from aircraft. R. Beach. 2,497,924, Feb. 21.
Emulsion serving as binding agent and making same, Hardenable. L. Schibler. 2,498,454, Feb. 21.
Encasing lamp shades and other articles. A. Scherer. 2,498,097, Feb. 21.
Engine: *See*—
Two-cycle scavenging engine.
Engine-warming mechanism, Automatic. C. E. Lincoln. 2,497,948, Feb. 21.
Etching device, Electrical. A. R. Lindsay. 2,498,129, Feb. 21.
Ethylbensene, Producing. H. E. Morris and D. M. Evans. 2,498,567, Feb. 21.
Excavator, Hoe. L. O. McLean. 2,498,000, Feb. 21.
Excavator, Portable. F. L. White and E. I. Belcher. 2,498,321, Feb. 21.
Exercising apparatus to be used with bicycle. W. S. Myers. 2,498,047, Feb. 21.
Exploitation of fuel deposits, Underground. D. Dalin. 2,497,868, Feb. 21.
Explosive composition. A. M. Ball. 2,498,388, Feb. 21.
Extension roller screen. J. B. Plaum. 2,498,094, Feb. 21.
Facing frame structures. A. Elmendorf. 2,498,403, Feb. 21.
Fairlead for semitrailer scrapers or wagons. G. W. Mork and G. Reuter. 2,497,900, Feb. 21.
Fastener: *See*—
Window fastener.
Fastener. F. R. Swanson. 2,498,591, Feb. 21.
Fastener unit. O. J. Poupitch. 2,498,221, Feb. 21.
Fastening device. R. L. Hallock. 2,498,627, Feb. 21.
Feeding granular material to a mill and the like. E. A. Wagner. 2,498,515, Feb. 21.
Feeler gauge. R. W. Michler. 2,498,171, Feb. 21.
Fertilizer concentrate, Preparing. K. G. Bierlich and E. O. Whiteley. 2,498,480, Feb. 21.
Fiber preparation, Synthetic. G. E. Ham. 2,498,605, Feb. 21.
Film presser having a central projecting plane portion for moving picture cameras. A. C. Coutant and J. Mathot. 2,497,847, Feb. 21.
Fire extinguisher. C. J. Marchell. 2,498,131, Feb. 21.
Fire-extinguishing apparatus. N. J. Thompson. 2,498,512, Feb. 21.
Fire prevention apparatus for range burners. C. R. Canty and G. A. Gavard. 2,498,484, Feb. 21.
Firing control for repeating shotguns, Automatic safety. E. O. Klebe. 2,498,553, Feb. 21.
Fish gate. P. H. Numsen and F. A. Barnes. 2,498,341, Feb. 21.
Fish lure. J. S. W. Bergman. 2,498,352, Feb. 21.
Fishing reel. E. L. Bivans. 2,498,626, Feb. 21.
Fixture, Plural valve plumbing. J. R. O'Brien. 2,498,219, Feb. 21.
Flash lamp. C. E. Ransley. 2,497,910, Feb. 21.
Flaw detecting method and apparatus for ferromagnetic bodies. W. C. Barnes, H. W. Keevil, and J. C. Dionne. 2,497,855, Feb. 21.
Floor unit for transporting equipment, Removable. A. L. Trotter. 2,498,146, Feb. 21.
Flow control valve. R. A. Arthur. 2,498,194, Feb. 21.
Forming a stock pile of sulfur. A. F. Zemanek, H. A. Swem, H. E. Treichler, C. B. Williams, and W. H. Kelly. 2,498,325, Feb. 21.
Forming a stock pile of sulfur. A. F. Zemanek and H. A. Swem. 2,498,326, Feb. 21.
Forming blast-holes in sulfur stock piles. A. F. Zemanek and H. E. Treichler. 2,498,327, Feb. 21.
Forming negative surface replicas of tube interiors. J. W. Sawyer. 2,497,914, Feb. 21.
Forming teeth of spiral or hypoid bevel gears, Method of and apparatus for. P. P. Bazarnic. 2,497,923, Feb. 21.
Frame: *See*—
Registering and printing Window frame.
frame.
Fungicidal compositions, Resinous. H. A. Bruson. 2,497,927, Feb. 21.
Furnace: *See*—Convection and forced draft air flow and combustion air heating furnace.
Fuse. C. C. Lauritsen. 2,498,043, Feb. 21.
Fuse construction, High-voltage. R. R. Pittman. 2,498,575, Feb. 21.
Fuse, Fulminating. H. Selvidge. 2,498,050, Feb. 21.
Fuse plug. G. E. Holmes. 2,498,124, Feb. 21.
Fuse, Pressure-armed impact-fired. G. E. Breeze and L. A. Brockwell. 2,498,025, Feb. 21.
Game apparatus, Table. R. Bergerioux. 2,497,925, Feb. 21.
Garden tool. H. Clayden. 2,498,069, Feb. 21.
Gas-heated clothes drier. G. E. Mininer and A. R. Constantine. 2,498,172, Feb. 21.
Gate: *See*—
Fish gate.
Gauge: *See*—
Feeler gauge.
Gear: *See*—
Retractable landing gear.
Gearing, Adjustable. W. A. Hyland. 2,498,606, Feb. 21.
Generator and starter. W. J. Smith, Sr. 2,498,346, Feb. 21.
Girdle. C. Braun, W. A. Neff, and O. Lichtensteiger. 2,498,481, Feb. 21.

Glass and making, Blue. W. H. Armistead. 2,498,387, Feb. 21.
Glass panel attaching device. L. G. Simjian. 2,498,139, Feb. 21.
Grader, Road. R. G. Le Tourneau. 2,498,044, Feb. 21.
Grid, Filling-fork. W. P. Squires. 2,498,610, Feb. 21.
Grinding machine. H. E. Sjöstrand. 2,498,012, Feb. 21.
Grinding noncircular sections. C. W. Hopkins. 2,498,163, Feb. 21.
Guard, Grease-well journal box dust. S. W. Clutton. 2,497,864, Feb. 21.
Guard, Plaster. M. J. Cafiero. 2,497,928, Feb. 21.
Guide, Pencil. T. T. Dolan. 2,498,105, Feb. 21.
Gun control mechanism. H. Ernst and B. Sassen. 2,498,033, Feb. 21.
Gun sight. A. Barnes. 2,498,329, Feb. 21.
Gun sight. M. De Jonge. 2,498,155, Feb. 21.
Gun structure for cathode-ray tubes. R. E. Johnson. 2,498,082, Feb. 21.
Hair curling device. M. F. Currie. 2,497,848, Feb. 21.
Halogenation process. E. W. Kilgren and E. Gorin. 2,498,552, Feb. 21.
Halter, Brassière. S. Elias. 2,498,487, Feb. 21.
Handle: *See*—
Pump handle.
Tool handle.
Harvesting machine, Tobacco. A. J. Burkhart. 2,497,845, Feb. 21.
Header for auto radiators, Sectional. M. J. Tomel. 2,498,594, Feb. 21.
Heat dissipating device, Multisectional engine. J. B. Nold. 2,498,001, Feb. 21.
Heat exchanger. G. E. Burks and J. H. Sheusner. 2,498,152, Feb. 21.
Heat exchanger. T. Tinker. 2,498,145, Feb. 21.
Heater: *See*—
Room heater.
Heater and manufacturing it, Electrical. G. H. Morey. 2,498,442, Feb. 21.
Heater inserting mechanism. G. G. Schneider and F. L. Donohue. 2,498,455, Feb. 21.
Heating apparatus and method, Electronic. T. H. Story. 2,498,383, Feb. 21.
Heating apparatus, Dielectric. S. V. Jennings. 2,497,945, Feb. 21.
Heating system with modulating control, Electric. R. H. Taylor. 2,498,054, Feb. 21.
High-frequency apparatus. R. M. Baker and E. M. Wharff. 2,498,233, Feb. 21.
High-pressure swivel hose coupling. G. R. Coss. 2,498,395, Feb. 21.
Hoist, Automobile. H. C. Sommer. 2,498,304, Feb. 21.
Hoist, Hay. J. L. Staver. 2,498,611, Feb. 21.
Hoist mechanism for dump trucks. F. Biszantz. 2,497,844, Feb. 21.
Hoist safety device. E. O. Hermann. 2,498,422, Feb. 21.
Holder: *See*—
Animal holder.
Crystal holder.
Piezoelectric crystal holder.
Speednut holder.
Holder and clamp for polishing purposes, Shoe. J. W. Brewer. 2,498,358, Feb. 21.
Holder for light-control devices. M. Kaplowitz. 2,498,278, Feb. 21.
Holder for use in developing, Photographic film. P. S. Woitovitch. 2,498,058, Feb. 21.
Hook: *See*—
Trap hook.
Horn, Intermittently operated vacuum. H. N. Dimick. 2,498,256, Feb. 21.
Hose connection, Valved. G. E. Peters and L. E. Russell. 2,497,906, Feb. 21.
House construction, Log. R. Jonsrud. 2,498,551, Feb. 21.
Housing, Capacitor. W. J. Steen. 2,498,053, Feb. 21.
Hydrocarbon synthesis operation. J. C. Dart. 2,497,932, Feb. 21.
Hydrocarbons, Manufacture of halogenated. E. Gorin. 2,498,546, Feb. 21.
Hydrogen thyratron. G. J. Reilly and W. E. Harbaugh. 2,497,911, Feb. 21.
Hydrokinetic brake. C. M. O'Leary. 2,498,572, Feb. 21.
Ignition apparatus for combustion chambers using intermingled combustion liquids. R. H. Goddard. 2,498,263, Feb. 21.
Ignition system. W. J. Spengler. 2,498,305, Feb. 21.
Image projection and cabinet body means. G. M. Daly. 2,497,931, Feb. 21.
Imines, Preparing unsaturated. V. E. Haury. 2,498,419, Feb. 21.
Iminoester resins. W. D. Niederhauser and H. A. Bruson. 2,497,955, Feb. 21.
Implement, Punch aligning. J. E. Penrod. 2,498,114, Feb. 21.
Inclined current fluid suspension ore separator. B. F. Hearn. 2,497,884, Feb. 21.
Indicator: *See*—
Shuffleboard weight position indicator.
Indium plating. D. F. Green and J. E. Salmon. 2,497,988, Feb. 21.
Infusion package and making same. T. R. Baxter. 2,498,197, Feb. 21.
Instrument, Electric pyrographic. A. L. Atkins. 2,498,328, Feb. 21.
Instrument, Electrical musical. L. Hammond and J. M. Hanert. 2,498,367, Feb. 21.
Instrument, Electrical musical. H. L. Kent. 2,498,337, Feb. 21.
Instrument, Uniform scale electrical ratio. G. H. Fritzinger. 2,498,261, Feb. 21.
Instrument, Unitarily mounted electrical measuring. A. E. Le Van. 2,498,087, Feb. 21.
Interpolymers of fumaric esters and a chlorinated alkene. J. G. Kuderna, Jr., and R. H. Snyder. 2,498,084, Feb. 21.
Interpolymers of styrene, fumaric esters, and chlorinated alkenes. P. O. Tawney and J. G. Kuderna, Jr. 2,498,099, Feb. 21.
Iron: *See*—
Chair iron.
Isomelamines, Chlorinated. D. E. Nagy and D. W. Kaiser. 2,498,217, Feb. 21.
Jack: *See*—
Vehicle jack.
Jacket for molds, Pouring. H. R. Street. 2,498,015, Feb. 21.
Joint: *See*—
Wood joint.
Kennel, Collapsible canine. O. H. Gelb. 2,498,411, Feb. 21.
Knitting machine, Circular. C. W. Perkins. 2,498,447, Feb. 21.
Ladder lock. F. W. Moore. 2,498,375, Feb. 21.
Lamp: *See*—
Flash lamp.
Lapboard for ironing machines. A. H. Gerhardt. 2,498,545, Feb. 21.
Last for use in the manufacture of safety shoes. W. G. Greenan. 2,498,037, Feb. 21.
Latch: *See*—
Brake pedal latch.
Locker latch.
Latch and mask engaging means for rectilinearly moving members. J. G. Bone. 2,498,356, Feb. 21.
Latch mechanism for textile spindles. J. K. Cochran. 2,497,865, Feb. 21.
Launching or towing device. H. J. Stambaugh. 2,497,916, Feb. 21.
Lawn mower, Rotating cutting disk type. R. E. Gunther. 2,498,415, Feb. 21.
Lens, Catadioptric reflex reflecting. R. W. Johnson. 2,498,426, Feb. 21.
Lens system, Magnetic. C. V. Bocciarelli. 2,498,354, Feb. 21.
Level control, Electrical liquid. J. M. Andrews. 2,498,232, Feb. 21.
Lid, Journal box. F. A. Frederick. 2,498,158, Feb. 21.
Lid, Lock-seal. D. D. Bryant. 2,498,245, Feb. 21.
Lift, Vehicle. C. C. S. A. Le Clair. 2,498,086, Feb. 21.
Lifter roof storage tank. J. W. Allen. 2,497,851, Feb. 21.
Lifting surface, Fluid foil. M. A. Garbell. 2,498,262, Feb. 21.
Lighter. G. J. Nichols. 2,498,178, Feb. 21.
Lighter actuating mechanism. W. I. Nissen. 2,498,377, Feb. 21.
Lighter, Catalytic. I. Florman. 2,497,937, Feb. 21.
Lighter, Cigar. J. Sinko. 2,498,116, Feb. 21.
Lighter, Cigarette. I. Florman. 2,498,536–7, Feb. 21.
Lighter, Cigarette. D. B. Rosenblatt. 2,498,507, Feb. 21.
Lighter, Cigarette. A. L. H. Tissot-Dupont. 2,498,316, Feb. 21.
Lighter construction, Pocket. W. S. Stokes. 2,498,142, Feb. 21.
Lighting structure, Obstruction. C. K. Lamb. 2,498,556, Feb. 21.
Link for insertion within a hot-air conduit of a heating system, Heat-fusible safety. A. M. Smith and E. Hart. 2,498,382, Feb. 21.
Linkage, Multiplying. A. Svoboda. 2,498,309–10, Feb. 21.
Linkage, Multiplying and dividing. A. Svoboda. 2,498,312, Feb. 21.
Lipstick assembly, Changeable and refillable. R. J. Lohr and R. N. Carver. 2,497,950, Feb. 21.
Loading and storing device, Collapsible. R. Gondar. 2,498,414, Feb. 21.
Lock: *See*—
Ladder lock.
Lock for doors and windows. M. R. Deyo. 2,497,982, Feb. 21.
Locker latch. N. H. Rudolph. 2,498,508, Feb. 21.
Locking structure, Desk pedestal. T. A. Hearn. 2,498,271, Feb. 21.
Loud-speaker, Helmet mounted. G. H. Eash. 2,497,871, Feb. 21.
Low melting flux. H. H. Block. 2,498,199, Feb. 21.
Lubricated friction clutch. H. F. Hobbs. 2,498,123, Feb. 21.
Lubricator. J. F. MacIndoe. 2,498,090, Feb. 21.
Lure. F. S. Burroughs. 2,497,846, Feb. 21.
Lysine, Production of. N. D. Scott and A. O. Rogers. 2,498,300, Feb. 21.
Machine and method for thermoactive adhesive bonding of shoe parts. F. H. Brown. 2,498,027, Feb. 21.
Machine for opening eggs and separating the shells of the eggs and their contents. E. W. Schaber. 2,498,182, Feb. 21.
Machine having grommet feeding mechanism, Grommet setting. A. G. Monson. 2,497,899, Feb. 21.

Magnesium silicates, Making activated. E. C. Bierce. 2,498,353, Feb. 21.
Magnetic core, Saturable. J. Q. Adams. 2,498,475, Feb. 21.
Mail receptacle. E. V. Davis. 2,498,361, Feb. 21.
Mammary glands, Method and article for treatment of. F. E. Martin. 2,498,374, Feb. 21.
Mat, Ice and snow melting. R. E. Lee. 2,497,998, Feb. 21.
Measuring device, Electrical. J. D. Shaw. 2,497,961, Feb. 21.
Measuring device for shafts, Torque. B. F. Langer. 2,498,282, Feb. 21.
Measuring device having light projection means, Linear. W. W. Davis. 2,498,030, Feb. 21.
Measuring device, Radio echo distance. R. M. Smith. 2,498,381, Feb. 21.
Measuring permeability. C. M. Beeson. 2,498,198, Feb. 21.
Mechanism for bedding a firearm barrel in a stock. E. Brown, Jr. 2,497,861, Feb. 21.
Metering and delivering lubricants and the like. C. A. Fine. 2,498,407, Feb. 21.
Metering means for gas using a sliding tube, Optical. J. H. Ramser. 2,498,506, Feb. 21.
Microscope auxiliary stage with electrodes. H. M. Porter. 2,498,220, Feb. 21.
Milking system and apparatus therefor. G. R. Duncan. 2,498,401, Feb. 21.
Mill: *See*—
Processing mill.
Mill with independent and arcuately swingable jaws, Plural-stage stone-crushing. J. L. Brickley. 2,498,151, Feb. 21.
Mill with traveling breaker plate, Hammer. J. T. Fowler. 2,497,985, Feb. 21.
Mirror structure having an elastic mounting band, Vehicle rearview. F. Budreck. 2,498,065, Feb. 21.
Mixer: *See*—
Drink mixer.
Mixing device. L. M. Weeks. 2,498,190, Feb. 21.
Mixing machine, Feed. E. W. Baymond. 2,498,237, Feb. 21.
Modulation, Balanced. T. T. N. Bucher. 2,498,526, Feb. 21.
Modulation of high-frequency generators. W. J. Albersheim. 2,498,059, Feb. 21.
Mold: *See*—
Sugar bell mold.
Mold for slide fasteners. R. Low. 2,497,951, Feb. 21.
Molding hollow concrete blocks. M. V. Cuypers. 2,498,513, Feb. 21.
Molding machine, Injection. F. K. Goldhard. 2,498,264, Feb. 21.
Molding reflector devices. J. C. Haggart, Jr. 2,498,489, Feb. 21.
Motorboat equipment. E. E. Milner. 2,498,113, Feb. 21.
Motor control system. N. H. Shaw. 2,498,303, Feb. 21.
Motor frame construction, Electric. W. J. Bauroth. 2,498,389, Feb. 21.
Motor position control means. R. D. McDill. 2,498,565, Feb. 21.
Motor support. J. B. Koch. 2,498,126, Feb. 21.
Mount for collapsible antennas, Shock. A. A. Walsh. 2,498,350, Feb. 21.
Mount for sound projector lens, Adjustable supporting and focusing. H. J. Koeber, Jr. 2,498,555, Feb. 21.
Mounting: *See*—
Safety driving light mounting. Textile spindle mounting. Textile spindle slide mounting. Tail wheel mounting.
Mounting and brace for ironing boards, Pivotal. A. P. Lantz. 2,498,558, Feb. 21.
Mounting for agricultural machines, Wheel and axle. G. Monsel. 2,498,173, Feb. 21.
Nail driving apparatus. R. Papalia. 2,498,503, Feb. 21.
Nozzle, Flow control. K. C. Whitefield. 2,498,516, Feb. 21.
Nutator. F. D. Werner. 2,498,056, Feb. 21.
Obtaining mica. W. M. Mattson. 2,498,111, Feb. 21.
Oil retainer for crankcase oil dippers. H. L. Thompson. 2,498,019, Feb. 21.
Oiler, Hand pump. R. F. Zaroban. 2,498,228, Feb. 21.
1-branched lower alkyl-4-phenyl-4-acyloxy-piperidines and their acid addition salts. J. Lee. 2,498,432, Feb. 21.
1-lower alkyl-4-cyclohexyl-4-lower fatty acyloxy-piperidines and acid addition salts thereof. J. Lee and L. Berger. 2,498,434, Feb. 21.
1-methyl-4-p-methoxyphenyl-4-propionoxy-piperidine hydrochloride. J. Lee. 2,498,430, Feb. 21.
1,3 dimethyl-4-phenyl-4-hydroxy-piperidine, Production of. J. Lee and L. Berger. 2,498,435, Feb. 21.
1,3 dimethyl-4-propionoxy-4-phenyl-piperidine and acid addition salts thereof. J. Lee and A. Ziering. 2,498,433, Feb. 21.
Opener, Can. R. E. McLean. 2,498,441, Feb. 21.
Opener, Rotary type can. R. E. McLean. 2,498,440, Feb. 21.
Optical device for cinematographic projection apparatus with continuous unrolling of the film. H. Roger. 2,498,580, Feb. 21.
Optical system, Impulse recording. J. A. Maurer, Jr. 2,497,953, Feb. 21.
Optical system, Variable density recording. J. A. Maurer, Jr. 2,497,952, Feb. 21.
Orthopedic device. D. L. Purgett. 2,498,115, Feb. 21.
Oscillator, High-frequency. J. L. Clark. 2,498,529, Feb. 21.
Oscillator, Ultra high frequency ring. M. D. Baller. 2,497,854, Feb. 21.
Oscillator, Wide-range sweeping. H. R. Foster. 2,498,076, Feb. 21.
Oven, Electric. H. W. Schulze. 2,498,583, Feb. 21.
Oxidation of ethers using aldehyde-activated catalysts. D. C. Hull. 2,497,889, Feb. 21.
Pack, Parachute. J. R. C. Quilter. 2,498,505, Feb. 21.
Pad: *See*—
Shoulder pad.
Pad for ironer rolls. H. O. Mamaux. 2,498,499, Feb. 21.
Paintbrush, Mechanical. D. P. Darling. 2,498,360, Feb. 21.
Paper-hanging device for papering ceilings. W. A. Vircks. 2,498,595, Feb. 21.
Paraformaldehyde, Production of. B. W. Grrenwald and R. K. Cohen. 2,498,206, Feb. 21.
Pattern mechanism for knitting machines. A. E. and F. R. Page. 2,498,092, Feb. 21.
Pedal, Light reflecting bicycle. M. Rider. 2,498,134, Feb. 21.
Pen, Child's play. W. E. Fischer. 2,498,203, Feb. 21.
Pen, Fountain. F. Y. Kuriyama. 2,498,166, Feb. 21.
Pen, Fountain. P. L. Wikheim. 2,498,384, Feb. 21.
Percussive type fender and body shaping hand tool. T. Weber. 2,498,320, Feb. 21.
Photographic images, producing direct positive. G. E. Fallesen and J. Spence. 2,497,876, Feb. 21.
Photographic shutters having movable blade and retarding means. M. Kaplowitz. 2,498,279, Feb. 21.
Photographs having increased density, producing direct positive. R. E. Stauffer. 2,497,917, Feb. 21.
Photographs using aerial fogging developer, Direct positive. G. E. Fallesen. 2,497,875, Feb. 21.
Piano action. L. M. Martin. 2,498,132, Feb. 21.
Pickup device, Piezoelectric phonograph. C. E. Kilgour. 2,498,210, Feb. 21.
Piezoelectric crystal holder. H. L. Selden. 2,498,585, Feb. 21.
Pigment compositions, Daylight fluorescent. J. L. and R. C. Switzer. 2,498,592, Feb. 21.
Pin: *See*—
Bobby pin.
Pipe connection, Adjustable. J. H. Goode. 2,497,986, Feb. 21.
Plasticizing agents. W. H. Woodstock. 2,497,920, Feb. 21.
Plate handling mechanism for embossing machines. J. H. Gruver. 2,498,038, Feb. 21.
Plate, Orifice. H. M. Carlson. 2,497,978, Feb. 21.
Platform for pedestal desks, Folding typewriter. J. H. Brinker and F. Conley. 2,498,243, Feb. 21.
Plug: *See*—
Fuse plug.
Plunger pump. M. W. Coleman. 2,498,359, Feb. 21.
Pocket construction in trousers. M. Neinken. 2,498,048, Feb. 21.
Point straightening mechanism for knitwear looping machines. J. T. Jullie. 2,498,496, Feb. 21.
Polisher, Floor. L. Goldenberg. 2,498,205, Feb. 21.
Polyester, Making a. D. W. Young and J. P. Rocca. 2,497,968, Feb. 21.
Polyglycol products. E. W. Gluesenkamp. 2,498,617, Feb. 21.
Polyglycol sulfate salts of diaminodiphenyl sulfones and preparation thereof. E. W. Gluesenkamp. 2,498,618, Feb. 21.
Polyglycolsulfonic acid salts of diaminodiphenyl sulfone and preparation thereof. E. W. Gluesenkamp and M. Kosmin. 2,498,619, Feb. 21.
Polymerization of compounds containing a terminal methylene group. B. T. D. Sully. 2,498,226, Feb. 21.
Polymerization products of styrene. W. S. Emerson. 2,498,616, Feb. 21.
Polymers plasticized with dibutyl dihydracrylate, Rubberlike. R. T. Dean. 2,498,532, Feb. 21.
Polyvinyl chloride compositions containing sulfuric acid treated high-boiling petroleum extract. A. A. Schaerer. 2,498,453, Feb. 21.
Porous compositions of matter and their preparation. E. L. Kropa, L. E. Craig, and A. S. Nyquist. 2,498,621, Feb. 21.
Power plant, Internal-combustion engine. B. W. Barlow. 2,497,970, Feb. 21.
Power transmission. D. B. Gardiner. 2,498,543, Feb. 21.
Power unit, Fluid. Z. D. Ruben. 2,498,451, Feb. 21.
Pressing garment seams. A. C. Duske and R. H. Reiss. 2,498,258, Feb. 21.
Pressure relief valve. R. A. Brown. 2,497,860, Feb. 21.
Preventing excessive combustion pressure in rocket motors. J. O. Hirschfelder. 2,497,888, Feb. 21.
Prevention and destruction of weeds. W. A. Sexton, R. E. Slade and W. G. Templeman. 2,498,302, Feb. 21.
Printer, Code. J. L. Finch. 2,497,936, Feb. 21.
Processing mill. H. D. Iredale. 2,498,209, Feb. 21.
Projectile equipped with fins. J. R. Jasse. 2,498,080, Feb. 21.
Projecting device, Oil. G. H. Garraway and N. F. Myers. 2,497,939, Feb. 21.

Projector, Light. W. A. Pennow and R. T. Burns. 2,498,294, Feb. 21.
Projector movement, Intermittent. R. Smid. 2,497,915, Feb. 21.
Propeller constructions, Producing. W. C. Johnson. 2,498,275, Feb. 21.
Propeller, Marine. F. E. Thompson, Jr. 2,498,348, Feb. 21.
Propeller, Two-position variable pitch. C. I. Lathrem. 2,498,110, Feb. 21.
Propeller, Variable pitch. C. I. Lathrem. 2,498,109, Feb. 21.
Protamines, preparing. R. J. Block. 2,497,858, Feb. 21.
Protective device, Electrical. C. A. Fox. 2,498,120, Feb. 21.
Puller: *See*—
Tire strap puller.
Pump: *See*—
Plunger pump. Rotary pump.
Pump. L. F. Clerc. 2,498,029, Feb. 21.
Pump handle. G. E. Peters and L. E. Russell. 2,497,907, Feb. 21.
Purging of hydrocarbon-containing chambers. H. H. Lester. 2,497,946, Feb. 21.
Purification of alcohols. D. M. Kimble. 2,497,997, Feb. 21.
Purification of certain alkaline earth halides and crystal products thereof. D. C. Stockbarger and A. A. Blanchard. 2,498,186, Feb. 21.
Purification of lower olefins. A. W. Francis. 2,498,204, Feb. 21.
Rack for drawers, Article. G. L. C. Earle. 2,498,402, Feb. 21.
Radial bearing. E. H. Sherbondy. 2,498,011, Feb. 21.
Radio silencing device, Phone attached. C. E. Van Velsor. 2,498,349, Feb. 21.
Railway journal and free oiling system therefor. W. Blackmore. 2,498,520, Feb. 21.
Railway, Pleasure. B. B. Pewitt. 2,498,450, Feb. 21.
Reaction chamber, Continuous vibrating. E. F. Fader. 2,498,405, Feb. 21.
Reader, Microscopic vernier. A. A. A. A. de Gramont. 2,497,981, Feb. 21.
Reading device, Transit vertical circle. C. D. Hillman. 2,498,273, Feb. 21.
Receptacle: *See*—
Ash receptacle. Mail receptacle.
Receptacle for ice cream cartons. L. G. Stine and C. A. Hurst, Jr. 2,498,016, Feb. 21.
Receptacle for washing machines, Clothes. A. H. Gerhardt. 2,498,544, Feb. 21.
Reclaiming composite material. P. J. Dasher. 2,498,398, Feb. 21.
Recorder, Viscometer. R. N. Weltmann. 2,497,919, Feb. 21.
Rectifier, Selenium. W. E. Blackburn. 2,498,240, Feb. 21.
Reducing frosting in low-temperature freezers. J. R. Chamberlain. 2,498,248, Feb. 21.
Reel: *See*—
Fishing reel.
Reel tension device. G. J. Kennedy. 2,498,336, Feb. 21.
Refractory composition. J. M. Mochel. 2,498,622, Feb. 21.
Refractory element for downdraft furnaces. J. R. Fellows. 2,497,877, Feb. 21.
Refrigerating mechanism. G. Muffly. 2,497,903, Feb. 21.
Refrigerator. L. F. Clerc. 2,498,028, Feb. 21.
Refrigerator. N. O. Long. 2,498,562, Feb. 21.
Refrigerator. E. O. Sears. 2,498,379, Feb. 21.
Registering and printing frame. R. M. Haff. 2,498,417, Feb. 21.
Regulating system. E. L. Harder and H. S. Kirschbaum. 2,498,268, Feb. 21.
Regulating system, Speed. S. L. Burgwin, J. F. Kovalsky, and R. E. Hull. 2,498,247, Feb. 21.
Regulating system, Speed. J. F. Kovalsky. 2,498,281, Feb. 21.
Regulator for printing presses, Register. L. C. Poole. 2,497,909, Feb. 21.
Regulator system, Synchronous voltage. La V. R. Philpott. 2,497,908, Feb. 21.
Relay system, Adjustable counting. W. G. Cook. 2,498,249, Feb. 21.
Removal of oxygenated compounds from synthetic naphthas. E. F. Wadley. 2,497,967, Feb. 21.
Removing emulsifying agents from amine solution. J. H. McCulley. 2,497,954, Feb. 21.
Resinous compositions. L. H. Dimpfl. 2,498,533, Feb. 21.
Resins from esters of 1-hydroxy-butadiene-1,3 insolubilized with nitrogen bases. H. A. Bruson. 2,497,926, Feb. 21.
Resistance compositions and products thereof. L. J. Berberich and W. W. Pendleton. 2,498,238, Feb. 21.
Retainer for journal boxes, Waste. J. G. Williams. 2,498,385, Feb. 21.
Retarding erosion of gun barrels. N. H. Smith. 2,498,052, Feb. 21.
Retractable landing gear. A. A. Gassner. 2,497,880, Feb. 21.
Rheostat, Liquid. J. B. Robertson. 2,498,049, Feb. 21.
Rheostat, Metal clad plate type. G. L. McFarland, Jr., and E. F. Goetz. 2,498,500, Feb. 21.
Rheostat, Pressure responsive. M. E. Bourns. 2,497,974, Feb. 21.
Riboflavin, Production of. R. M. James. 2,498,549, Feb. 21.
Rice, Treating. A. K. Ozai-Durrani. 2,498,573, Feb. 21.
Ripper tool. S. Schwork. 2,498,458, Feb. 21.
Rodent trap. A. R. Mann. 2,498,160, Feb. 21.
Rolled paper dispenser. B. H. Locke. 2,498,215, Feb. 21.
Roller, Belt conveyer idler. F. N. Smith. 2,498,013, Feb. 21.
Roller for electric power lawn mowers, Automatic electric wire. B. Rell. 2,498,609, Feb. 21.
Room arrangement, Sleeping car. W. B. Dean and N. W. Fesmire. 2,498,255, Feb. 21.
Room heater. E. A. Farr. 2,498,157, Feb. 21.
Rosin products and processes, Refined. B. L. Hampton. 2,497,882, Feb. 21.
Rotary pump. C. G. Cooke. 2,498,530, Feb. 21.
Rotor brake. C. E. Tack. 2,498,625, Feb. 21.
Rule, Bowling slide. M. Hertig. 2,498,421, Feb. 21.
Safety driving light mounting. T. L. and H. K. Hancock. 2,498,620, Feb. 21.
Safety mechanism to prevent over voting in voting machines. R. F. Shoup. 2,498,380, Feb. 21.
Sample taking device. R. S. Bylin, H. H. Covington, and F. F. Heydenfeldt. 2,498,601, Feb. 21.
Sanding device for vehicles. R. Hunziker. 2,498,164, Feb. 21.
Saw, Power-operated. F. Gaviola and F. Anacabe. 2,498,160, Feb. 21.
Saw-tooth setting machine, Automatic hand and band. V. C. Lorenz. 2,498,167, Feb. 21.
Scooter and sled, Combination. P. Julie. 2,497,995, Feb. 21.
Screen: *See*—
Extension roller screen.
Screen clearer for gyratory sifters. H. H. Moyer. 2,497,902, Feb. 21.
Seal arrangement. I. B. Bensen. 2,498,479, Feb. 21.
Seal for floating roof tanks. J. W. Allen. 2,497,850, Feb. 21.
Seal for propeller spinners, Blade. G. A. Dean. 2,498,072, Feb. 21.
Sealing and leveling means for lifter roof tanks. E. S. Fraser. 2,497,878, Feb. 21.
Securing paper rolls to roll shafts. M. De Marinis. 2,498,486, Feb. 21.
Selector, Adjustable band-pass. H. J. Lipkin. 2,498,561, Feb. 21.
Separation of phenols. H. A. Basterfield. 2,497,971, Feb. 21.
Separator: *See*—
Inclined current fluid suspension ore separator.
Service station mounted on a vehicle, Portable. J. H. Adler. 2,498,229, Feb. 21.
Setback switch. J. D. Jordan and R. G. Ferris. 2,498,040, Feb. 21.
7-dehydrocholesteryl esters, Preparation of. S. Bernstein and K. J. Sax. 2,498,390, Feb. 21.
Sewing machine. C. L. Knott. 2,498,041, Feb. 21.
Sharpener, Convertible knife. W. F. Thompson. 2,498,018, Feb. 21.
Sheet feeding machine. R. Aberle. 2,497,849, Feb. 21.
Sheeting materials, Daylight fluorescent resinous. J. L. and R. C. Switzer. 2,498,593, Feb. 21.
Shield and ventilator for window screens, Storm. C. R. Risney. 2,498,095, Feb. 21.
Shield, Dress. L. D. Berle. 2,497,843, Feb. 21.
Shield for camera lenses and filters, Extensible and retractable. J. H. Rogers. 2,498,581, Feb. 21.
Shield for frying pans and the like, Splatter. V. R. Drum. 2,498,534, Feb. 21.
Shock absorber construction. E. L. Beecher. 2,497,972, Feb. 21.
Shoe for elevators, Roller guide. L. R. Rissler. 2,498,299, Feb. 21.
Shoemaking apparatus. I. Galper. 2,498,541, Feb. 21.
Shoes to be used on skis. J. Lehmkuhl. 2,498,085, Feb. 21.
Shoulder pad. I. S. Jacques. 2,497,992, Feb. 21.
Shovel, Hydraulic snow. P. Thomas. 2,498,144, Feb. 21.
Shuffleboard weight position indicator. M. J. Harbeck. 2,498,547, Feb. 21.
Shuttle checking device for looms. A. Zarn. 2,498,022, Feb. 21.
Signal and guard, Combined traffic. J. E. Hawley. 2,498,270, Feb. 21.
Signal for crowning machines, Warning. J. E. Anglo. 2,498,193, Feb. 21.
Signal for mailboxes. B. J. Fabis. 2,498,260, Feb. 21.
Signaling apparatus for automobiles. M. N. Stollery. 2,498,307, Feb. 21.
Silencer, Accordion keyboard. R. C. Entwistle and A. Chariott. 2,498,604, Feb. 21.
Sink with garbage disposal means. V. R. O'Brien. 2,498,502, Feb. 21.
Skip lift mechanism for concrete mixing machines. E. G. Smith and H. R. McDermott. 2,498,117, Feb. 21.
Skirt, Convertible. L. M. Sever. 2,498,184, Feb. 21.
Slicing machine, Endless band blade cake. E. L. Copenhaver. 2,498,615, Feb. 21.
Slip. W. Friedman. 2,497,938, Feb. 21.
Snowplow. I. R. Wenner. 2,498,470, Feb. 21.

Snowplow, Rotary. E. G. Berg and A. Veorderman. 2,498,522, Feb. 21.
Socket for pit props. G. Allimann. 2,498,060, Feb. 21.
Spader and agitator device for concrete block machines. T. B. Sansbury. 2,498,452, Feb. 21.
Spark plug for controlling heat ranges. N. Chuy. 2,497,862, Feb. 21.
Spectacle case. R. E. Dingman. 2,498,202, Feb. 21.
Speednut holder. M. M. Yourglich and H. M. Bowe. 2,498,324, Feb. 21.
Spindle, Phonograph record holding. W. Faulkner. 2,498,333, Feb. 21.
Splicer, Wire. A. E. Aune. 2,498,062, Feb. 21.
Spout attachment for cans, Slidable. J. B. Violette. 2,498,318, Feb. 21.
Spout or faucet for containers, Pouring. S. M. Roberts. 2,498,222, Feb. 21.
Stabilizing apparatus for aircraft. G. L. Borell. 2,498,064, Feb. 21.
Stacking articles into layers. W. Dalziel and J. W. Gray. 2,498,071, Feb. 21.
Stand: *See*—
Combination stand.
Electrically vibrated re-touching stand.
Steering apparatus for ships. W. G. Rommel. 2,498,223, Feb. 21.
Steering control with pneumatic pickup. M. G. Leonard. 2,498,284–5, Feb. 21.
Stock take-off apparatus. C. W. Apgar. 2,498,061, Feb. 21.
Stove. R. H. Jones. 2,497,994, Feb. 21.
Suction cleaner. E. C. Binggely. 2,498,063, Feb. 21.
Suction cleaner. L. E. Segesman. 2,498,098, Feb. 21.
Suction cleaner. H. B. White. 2,498,102, Feb. 21.
Sugar bell mold. C. Sundstrom. 2,498,187, Feb. 21.
Support: *See*—
Abdominal support. Motor support.
Support and extinguisher, Combined cigarette. C. F. Block. 2,498,330, Feb. 21.
Support for garment hangers. M. A. Du Lude. 2,498,400, Feb. 21.
Support for violon-cellos. J. Schroetter. 2,498,459, Feb. 21.
Supporting and bracing ironing boards, Pivotally. A. P. Lantz. 2,498,557, Feb. 21.
Sweeper, Carpet. P. Heftler. 2,497,885–6, Feb. 21.
Sweeping mechanism for bowling alleys. I. J. Snyder. 2,498,587, Feb. 21.
Switch: *See*—
Circuit selector switch. Electric switch.
Electric snap switch. Setback switch.
Switch and the like, Volume control. R. P. Mork. 2,498,569, Feb. 21.
Switchboard, Hinged-panel. M. A. Pringle. 2,498,296, Feb. 21.
Switch contact device. F. H. Cole. 2,498,250, Feb. 21.
Switching device, Thermally responsive. C. W. Kuhn. 2,498,127, Feb. 21.
Synchronized and adjustable safety clutch. J. Linahan. 2,497,893, Feb. 21.
Synthesis of hydrocarbons. S. D. Sumerford. 2,497,964, Feb. 21.
Table adjustable and portable, Serving. A. Kruse. 2,498,428, Feb. 21.
Table for transfer of metallic stock, Approach. E. T. Peterson. 2,498,448, Feb. 21.
Table for transfer of metallic stock, Double approach. E. T. Peterson. 2,498,449, Feb. 21.
Table top, Perforate ironing. R. W. Nelson and H. L. McAtee. 2,498,176, Feb. 21.
Tail wheel mounting. B. D. Maule. 2,498,112, Feb. 21.
Tank: *See*—
Lifter roof storage tank.
Tape, Pressure sensitive adhesive. J. B. Martin. 2,498,338, Feb. 21.
Telegraph apparatus. W. C. Spencer and W. A. Manty. 2,498,588, Feb. 21.
Telegraph system, Frequency diversity. J. E. Boughtwood and A. E. Michon. 2,497,859, Feb. 21.
Telephone system. H. Busslerbe. 2,498,153, Feb. 21.
Television echo suppression system. F. J. Bingley and N. F. Smith, Jr. 2,498,391, Feb. 21.
Television intercarrier or sound receiver circuit. G. W. Fyler. 2,498,488, Feb. 21.
Temperature control, Space. J. W. Norris. 2,498,571, Feb. 21.
Tensile machinery, High velocity. A. Nadal. 2,498,291, Feb. 21.
Termination for coaxial lines. E. W. Hunt. 2,498,335, Feb. 21.
Terracing machine. W. L. Dodson and J. E. Wilson. 2,498,156, Feb. 21.
Tester, Hardness. F. L. Rapley. 2,498,136, Feb. 21.
Tester, Mercury switch. C. F. Brown. 2,498,026, Feb. 21.
Testing system, Microwave electrical. W. A. Edson and I. G. Wilson. 2,498,073, Feb. 21.
Textile materials, Antistatic. A. L. Fox. 2,498,408, Feb. 21.
Textile spindle mounting. H. Gleitz and C. E. Miller. 2,497,881, Feb. 21.
Textile spindle slide mounting. J. K. Cochran. 2,497,866, Feb. 21.
Thermoregulator. W. D. Laverell, T. M. Walton, and F. H. Mumberg. 2,498,212, Feb. 21.
Thiamin, Stabilized. M. D. Bray. 2,498,200, Feb. 21.
Thrust arrangement for railway journal boxes. W. Blackmore. 2,498,521, Feb. 21.
Tilting mechanism for Venetian blinds. J. L. Hunter. 2,498,079, Feb. 21.
Time delay mechanism, Mechanical. H. R. Evans and D. L. Schubert. 2,497,874, Feb. 21.
Timer, Sequence weld. E. C. Hartwig. 2,498,269, Feb. 21.
Tinning a steel shell bearing. J. H. Clawson. 2,498,485, Feb. 21.
Tire chain. P. E. Bergen. 2,498,523, Feb. 21.
Tire chain applying device. A. L. Boszelli. 2,497,975, Feb. 21.
Tire inflation device. R. S. Wallach. 2,498,596, Feb. 21.
Tire strap puller. R. M. Owen, Jr. 2,497,956, Feb. 21.
Tool: *See*—
Garden tool. Ripper tool.
Percussive type fender and body shaping hand tool.
Tool for breaking loose tire casing from its rim, Hand. J. H. Fishback. 2,498,075, Feb. 21.
Tool for meat blocks or the like, Rotary scraping. E. B. Hobson. 2,497,941, Feb. 21.
Tool for sheet metal workers. W. J. Daly. 2,498,397, Feb. 21.
Tool handle. A. C. Ferguson. 2,498,107, Feb. 21.
Toolholder. J. Berritta. 2,498,148, Feb. 21.
Toy, Motion-art mechanical. J. R. Alfonso. 2,498,476, Feb. 21.
Toy, Throwing. J. Santiago. 2,498,509, Feb. 21.
Toy vehicle. C. B. Franklin. 2,498,409, Feb. 21.
Track shifting device. J. L. McMillan. 2,498,046, Feb. 21.
Trailer, Boat. B. J. Spencer, Jr., and L. G. Brinson. 2,498,014, Feb. 21.
Transfer device, Load. R. C. Yeoman. 2,498,472, Feb. 21.
Transferring heat by a hydrocarbon medium. K. Cohen and E. H. McArdle. 2,497,929, Feb. 21.
Transformer. R. Schärli and A. Meyerhans. 2,498,183, Feb. 21.
Transformer, Peaking. L. D. Drugmand and E. M. Hampe. 2,498,119, Feb. 21.
Transit, Carpenter's. C. E. Devers. 2,497,933, Feb. 21.
Transmission. W. J. Grace. 2,498,036, Feb. 21.
Transmission and control mechanism therefor, Hydraulic. R. Brunken. 2,498,600, Feb. 21.
Transmission control. W. K. Creson. 2,497,930, Feb. 21.
Transmitter buoy. G. H. Arenstein. 2,497,852, Feb. 21.
Transmitter, Magnetostrictive. E. E. Mott. 2,497,901, Feb. 21.
Transversely engaging positive clutch. A. Y. Dodge. 2,498,399, Feb. 21.
Trap: *See*—
Rodent trap.
Trap hook. A. G. Tackett. 2,498,612, Feb. 21.
Treatment of molds for making ceramic ware. J. A. Bower. 2,498,149, Feb. 21.
Treatment of pigment comprising calcium carbonate. H. R. Rafton. 2,498,005, Feb. 21.
Treatment of polyene compounds. A. W. Ralston, O. Turinsky, and L. Van Akkeren. 2,498,133, Feb. 21.
Treatment of potatoes, Prefrying. J. L. Baxter. 2,498,024, Feb. 21.
Trigger for jumping animal traps. J. F. Strmiska. 2,498,463, Feb. 21.
Trimmer, Hedge. P. E. Markham. 2,497,999, Feb. 21.
Trimmer, Hedge. W. T. Maxant. 2,498,564, Feb. 21.
Trolley wire connector. K. J. Mosebach. 2,498,568, Feb. 21.
Trousers. M. Neinken. 2,498,175, Feb. 21.
Truck, Barbed wire reel. C. W. Welker. 2,498,191, Feb. 21.
Truck, Pallet. G. F. Quayle. 2,498,504, Feb. 21.
Tube package, Radio. J. Kolber. 2,498,042, Feb. 21.
Tube removing mechanism. G. G. Schneider. 2,498,456, Feb. 21.
Tube structure, Combined oscillator and reactance. W. R. Rambo. 2,498,577, Feb. 21.
Turntable. H. B. Hall. 2,497,989, Feb. 21.
2-and 4-homocyclyl substituted piperidines. J. Lee. 2,498,431, Feb. 21.
Two-cycle scavenging engine. T. G. Carrie. 2,497,977, Feb. 21.
2[2(Phthalimido)ethyl]pyridines. F. K. Kirchner and C. J. Cavallito. 2,498,497, Feb. 21.
Undershirt and the like, Infant's. C. H. Clarendon. 2,498,528, Feb. 21.
Urea, Crystallizing. J. L. M. Frejacques. 2,498,539, Feb. 21.
Urea, Synthetic manufacture of. J. L. M. Frejacques. 2,498,538, Feb. 21.
Utensil, Reversible cooking. R. Burley. 2,497,976, Feb. 21.
Utensil set, Domestic. M. I. Glass. 2,498,413, Feb. 21.
Valve: *See*—
Automatic gauge valve. Pressure relief valve.
Flow control valve.
Valve. J. L. Cunningham. 2,498,396, Feb. 21.
Valve. F. C. Haberland. 2,498,121, Feb. 21.
Valve. F. J. Raybould. 2,498,608, Feb. 21.
Valve device, Check. N. G. Cadman and B. C. Vigor. 2,498,482, Feb. 21.
Valve for gas burners. E. H. Mueller. 2,498,376, Feb. 21.

Valve for power transmissions, Relief. D. B. Gardiner. 2,498,542, Feb. 21.
Valve mechanism for power brakes. R. R. Gunderson. 2,498,108, Feb. 21.
Variable load brake. G. Levesque du Rostu. 2,498,438, Feb. 21.
Vehicle: *See*—
Toy vehicle.
Vehicle jack. J. J. Salzmann. 2,497,960, Feb. 21.
Vending machine, Drink. J. J. Booth. 2,498,524, Feb. 21.
Venetian blind bracket. H. B. Chatfield. 2,498,067, Feb. 21.
Vent, Gas. D. L. Werner. 2,498,599, Feb. 21.
Ventilator for closed carriages, Automatic. B. D. Hughes and E. L. Ford. 2,497,942, Feb. 21.
Vestibule for telephone conversation recording, Sound transmission ear. S. B. Berkeley. 2,498,239, Feb. 21.
Vinyl chloride compositions. J. Dazzi and C. H. Rector, Jr. 2,498,602, Feb. 21.
Vinyl compounds and their preparation. R. K. Abbott, Jr. 2,498,473, Feb. 21.
Vinyldibenzofuran polymers. E. A. Kern and R. K. Abbott, Jr. 2,498,474, Feb. 21.
Vise, Jar. C. L. Shobe. 2,498,185, Feb. 21.
Vise, Sewing-machine repair. M. Ingwer. 2,497,943, Feb. 21.
Voltage indicating device. H. D. Hall. 2,498,490, Feb. 21.
Wall treatment with replaceable facing, Acoustic. W. M. Rees. 2,497,912, Feb. 21.
Wardrobe, Portable. R. B. Marsand. 2,498,373, Feb. 21.
Washer and extractor, Combination clothes. G. T. Hemmeter. 2,498,420, Feb. 21.
Watch crown, Dust-tight. R. Feurer. 2,497,935, Feb. 21.
Water inlet system for washing machines. W. F. Oliver and A. L. Jensen. 2,498,179, Feb. 21.
Welding apparatus, Arc spot. H. S. Bowen. 2,498,241, Feb. 21.
Welding control. J. Heuschkel and P. M. La Hue. 2,498,491, Feb. 21.
Welding metal of different thicknesses, Resistance. J. Heuschkel. 2,498,492, Feb. 21.
Well-drilling apparatus. S. Wright. 2,498,192, Feb. 21.
Wheel cover. G. A. Lyon. 2,497,895–7, Feb. 21.
Whipstock. R. C. Gammill. 2,498,159, Feb. 21.
Winch driving mechanism. I. Bromfield. 2,498,244, Feb. 21.
Winch, Electric. K. Mahnke. 2,498,286, Feb. 21.
Winding machine, Paper. W. E. Stone. 2,498,224, Feb. 21.
Window assembly, Ventilator. G. M. Lane and H. G. Thunder. 2,498,429, Feb. 21.
Window fastener. H. W. Falk. 2,498,535, Feb. 21.
Window frame. P. H. Pelley. 2,497,957, Feb. 21.
Wiper, Liquid cement brush. P. Guagliano. 2,498,266, Feb. 21.
Wood joint. A. V. Pedersen. 2,498,180, Feb. 21.
Wrench having multiple adjusting means, Flexible jaw. J. H. Schoenberger. 2,498,582, Feb. 21.
Wrench having plier-like handles, Adjustable. H. E. Barber. 2,498,235, Feb. 21.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 21, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 1: 2,498,503
2— 41: 2,498,290
42: 2,497,934
2,498,487
49: 2,498,471
53: 2,497,843
68: 2,497,892
73: 2,497,938
74: 2,498,332
97: 2,498,347
106: 2,498,254
112: 2,498,528
213: 2,498,184
227: 2,498,048
237: 2,498,175
268: 2,497,992
3— 13: 2,497,872
2,497,873
4— 116: 2,498,576
169: 2,498,255
187: 2,498,502
255: 2,498,359
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Patents expiring: Patent Numbers 1,898,994 to 1,899,920, inclusive, and Plant Patent, Number 55, issued February 28, 1933, expire February 28, 1950

Condition of Applications Under Examination at Close of Business Feb. 10, 1950

Total number of patent applications awaiting action, 137,939. Date of oldest new application, March 19, 1948; date of oldest amended application, February 20, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	4-1-49	6-8-48	9008
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	11-30-48	8-9-48	2462
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	9-20-49	9-8-49	694
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	12-6-48	8-1-48	2068
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering.	8-8-49	6-7-48	1488
6. SURLS, H., Carbon Chemistry (part)	6-17-49	8-12-49	1819
7. GONSALVES, J. L. (Acting), Optics; Photographic Apparatus	6-24-49	6-25-49	1186
8. LEWIS, R. O., Racks; Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	6-21-48	8-18-48	2878
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-4-48	8-4-48	2281
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	8-17-49	9-17-49	1848
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	1-21-49	7-9-48	1961
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-26-49	4-13-48	1708
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	8-13-48	8-9-48	1763
14. MANIAN, JOSEPH C., Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery	5-6-49	1-31-49	1188
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-5-49	12-27-48	1555
16. LOVEWELL, N. N., Television; Telephony	5-10-49	1-15-49	1088
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	10-30-48	4-13-48	2283
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	1-3-49	5-29-48	2527
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-16-49	8-2-48	1405
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	2-21-49	6-15-48	1936
21. MADER, R. C., Textiles	11-12-48	11-12-48	1458
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion	10-7-48	7-17-48	1220
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-27-49	10-14-48	880
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	3-3-49	3-7-49	2451
25. NEVIUS, R. D. (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-7-49	10-29-48	1645
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	5-7-49	4-16-49	969
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-28-48	3-6-48	3116
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight, and Horsepower Motors, Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-10-49	9-22-48	1817
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	5-3-48	4-29-48	3067
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	6-10-49	6-10-49	1732
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-25-49	5-26-49	2008
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange: Gas Separation; Agitating	4-29-49	12-27-48	1716
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	10-1-48	6-11-48	3987
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	2-10-49	9-15-48	1194
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	3-1-49	3-16-48	2134
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-23-48	3-1-48	1942
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	2-3-49	8-12-48	1066
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber; Preserving apparatus (part).	4-6-49	2-10-49	1509
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves, Water Distribution	5-17-49	3-9-48	3028
40. DRUMMOND, E. J., Receptacles (part); Packages	1-19-49	9-3-48	3213
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-18-49	5-10-48	2060
42. MARANS, H., Telegraphy (part), Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	1-3-49	11-29-48	2213
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-25-49	3-9-49	1128
44. HARVEY, L. P., Beds; Chairs, Seats	7-26-48	4-5-48	2092
45. MANIAN, JACOB A., Shafting and Flexible Shaft Couplings; Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-12-49	8-20-48	2391
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	10-13-48	8-5-48	1487

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 137,939. Date of oldest new application, March 19, 1948; date of oldest amended application, February 20, 1948.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	5-25-49	11-24-48	2045
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	5-12-49	7-9-48	1357
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	12-13-48	7-14-48	2134
50. LEVIN, SAMUEL, Synthetic Resins	6-21-49	4-14-49	1777
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-16-49	1-4-49	1326
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-3-48	5-25-48	3754
53. BRINDISI, M.V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders, Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-14-49	9-30-48	1713
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	6-3-49	2-5-49	1166
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	5-13-49	2-11-49	1483
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	5-16-49	2-12-49	1981
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	5-3-49	7-29-48	1865
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-25-49	7-15-48	1655
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	2-14-49	8-16-48	1217
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	7-9-49	2-4-49	1018
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-19-48	2-20-48	2534
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	5-9-49	6-30-48	2520
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-29-49	2-19-49	1793
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	7-15-49	7-11-49	1603
65. MORSE, EXCELLENZA L., (Acting), Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	5-12-49	8-16-48	2005
66. LISANN, I., Geometrical Instruments	1-27-49	3-11-48	1626
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	5-11-49	11-29-48	1506
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	6-20-49	4-18-49	1283
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	5-14-49	5-20-48	2031
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	5-4-49	12-4-48	2168
DEMONS: BREHM, G. L.	6-23-48	8-13-49	5708

Total number of trade-mark applications awaiting action (including renewals and republications), 27,402. Date of oldest new application, Feb. 1, 1949; date of oldest amended application, Jan. 5, 1949.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	2-1-49	2-2-49	4249
2. KASCHUB, H. E., Class 46	2-2-49	2-10-49	4013
3. SUMMERS, G. S., Classes 21, 23, 26	2-7-49	7-13-49	3334
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	2-8-49	1-21-49	4312
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	2-2-49	1-10-49	3306
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	3-5-49	5-21-49	4384
7. KEYS, O. M., Classes 2, 16, 19, 36, 55	2-2-49	1-5-49	2936
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	12-1-49	12-19-49	504
	12-16-49	12-19-49	364

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE JAEGER ET AL.

No. 5591. Decided Sept. 30, 1949

[177 F.2d 211; 83 USPQ 302]

1. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—DISTINCTIONS URGED IN BRIEF—ISSUE LIMITED TO CLAIMS.

Where the brief for appellants points to a certain distinction between appellants' device and the reference, but there is nothing in the appealed claims which defines this distinction, *Held* we are limited to what is claimed in considering the question of patentability.

2. CLAIMS—CONSTRUCTION—INTRODUCTORY PHRASE.

Held that as an introductory phrase "mixer structure" does not constitute a limitation.

3. PATENTABILITY—PARTICULAR SUBJECT MATTER—SEALING MEANS FOR MIXERS.

Certain claims for an alleged improvement in sealing means for mixers and the like *Held* properly rejected for lack of invention over the prior art.

APPEAL from Patent Office. Serial No. 494,222.

AFFIRMED:

Corbett, Mahoney & Miller (*John J. Mahoney* and *Eugene J. Mahoney* of counsel) for appellant.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming the rejection by the Primary Examiner of claims 55 and 56 of appellants' application for patent, Serial No 494,222, filed July 10, 1943, entitled "For Improvements in Sealing Means for Mixers or the Like."

While the claims are not limited to sealing means for a concrete mixer, that appears to be the *only* type of mixer mentioned eo nomine in the specification.

There were two groups of claims, and the respective groups were examined under the practice of dual prosecution. General jurisdiction of the case was in Patent Office Division 32, and numerous of the claims were prosecuted before the Primary Examiner in that division, several of them being allowed. Upon appeal the Board allowed others which that Examiner had rejected.

It is unnecessary to set forth the claims rejected by the Examiner in Division 32, since no appeal as to them was taken to this court.

The two claims before us were passed upon and rejected by the Primary Examiner in Patent Office Division 52, and his rejection was affirmed by the Board, the rejection being based upon lack of invention over prior art. The reference relied on by the Examiner and the Board is a patent, No. 2,013,499, issued to one John W. Meckenstock, September 3, 1935.

The appealed claims read:

55. Flexible sealing means for sealing the space between the opposed spaced annular flat faces of a pair of cooperable rotatable and non-rotatable members of a mixer structure in which the members are arranged in tandem relation and in which a lubricant supplying fitting is in operative communication with said space for supplying lubricant under pressure to the space; said sealing means including a pair of transversely spaced normally flat ring-like sealing members formed from lubricant and mix-resistant flexible material, said members being independently and removably attached to one of said spaced annular flat faces and having portions thereof lying in spaced substantially flatwise position between said annular faces and engaging said faces, and one of said last-named portions terminating in an annular lip extending inwardly to the level of the inner surfaces of the cooperable rotatable and non-rotatable members whereby with the lubricant in the space to completely seal the space against the ingress of foreign material into said space.

56. Structure according to claim 55, wherein means is provided for releasably and independently attaching the ring-like sealing members to one of said spaced annular flat faces.

It is noted that claim 56 is dependent upon claim 55, which is directed to the sealing means per se.

Following the appeal to the Board, the Examiner, in his official statement, said:

> • • • applicants' alleged invention relates to a sealing means in a mixer, ordinarily a concrete mixer. The gasket means ordinarily is synthetic rubber and is in this case used between the opposed faces of a rotatable mixing drum and a non-rotatable material receiving hopper. The seal is so designed that it is intended to seal the space between the plates against the entry of concrete mix, especially crushed stone, which would have a tendency to join the relatively movable plates. In Fig. 6 the non-rotatable member 21 has an annular flat face 21a which *opposed* the flat face 26a of the rotatable member 26. The stationary plate 21 is provided with concentrically spaced recesses 23a, 23c into which are removably mounted flat ring-like sealing or gasket members 55, 56. These sealing members extend radially inwardly on an oblique to make sealing contact with the movable member 26. The radially inner sealing member 55 terminates in an annular lip which extends to the inner level adjacent numeral 55 of the stationary member 21 and movable member 26. A lubricating member 25 is axially mounted between the sealing members 55a, 56a. The space between the two sealing members 55, 56 is adapted to be filled with lubricant. The sealing rings are releasably held in place by wire rings 57.
>
> The hopper, as defined in the application, is provided with an annular flange which faces a corresponding flange on the drum, the flange being provided with two spaced annular recesses or grooves in each of which is anchored one edge of a flat rubber ring. Those rings originally extend at an angle to the flange with the upper edges of the rings substantially flush with the inner surfaces of the drum and hopper. When the hopper and drum are in

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operative relationship, the outer edges of the rings are so bent that they lie along the surface of the flange. A lubricant is admitted through a fitting into the space between the two rings. On behalf of appellants, it is claimed that the lubricant thus admitted effects the free movement of the rotatable and non-rotatable members by reducing friction on the parts, simultaneously providing efficient sealing means which prevents the escape of the lubricant by trapping it between the opposed faces or surfaces of the relatively rotatable members.

The patent of Meckenstock relates to sealing means for a suction-pump, an example being a pump of the kind used "for pumping solids, such as sand or gravel, in a suspension liquid."

The casing of the suction-pump, as described in the specification, and illustrated in the drawings, comprises an annular, peripheral section provided about its inner periphery with a channel opening toward the center of the section. The casing has two sides or ends and a central suction opening is located at one side, being secured at its circumferential portion by bolts to a flange of the outer section. The pump also comprises an impeller located in the casing and secured to an end of a shaft journaled in a tubular portion of the casing-section and driven by any suitable means. The impeller operates to exert suction, material being drawn into the pump casing and driven by blades of the impeller against the inner peripheral portion of the casing along which the material travels to the outlet of the pump. Grit, such as sand, being pumped is carried into the spaces between the impeller and the side walls.

Meckenstock's specification states:

> It is • • • desirable to seal the spaces between the impeller and the side walls of the casing and this is one of the purposes of the present invention, the means shown for this purpose comprising inner and outer spaced-apart sealing rings • • •.
>
> Each sealing ring is formed of resilient elastic material, such as soft rubber, the rings being formed either of a single ring section or, as shown, of a plurality of flatwise opposed ring sections of material • • •.

With reference to the location of the sealing means in the pump the Meckenstock patent states:

> Where sealing means are incorporated in a pump for pumping liquid free of grit, the sealing means would preferably be located close to the center of the pump as shown of the ring 35 in Fig. 5, for the sake of economy of construction.

In affirming the decision of the Primary Examiner, the Board said:

> • • • We agree with the position taken by the Examiner. The patentee Meckenstock discloses sealing means analogous to those defined in the claim and can be differentiated therefrom only in that one of the ring-like sealing means is not positioned between the cooperating rotatable and non-rotatable faces so that the free end of its flat surface terminates exactly at the level of the inner surfaces of the cooperating faces. This difference, in our opinion, at the most involves but a question of choice in locating the sealing ring where it is likely to produce the most efficient results in the structure. The dependent claim 56 does not recite any additional structure not disclosed by Meckenstock.

In the reasons of appeal to us appellants allege error, using different forms of expression. Briefly, the actually pertinent allegations, which we have carefully analyzed and considered, comprehend nothing more than the contention that the structural distinctions between the application and the reference patent constitute invention, being beyond the exercise of mere skill.

We find ourselves unable to agree with appellants' contention.

From the description and drawings of record, it appears that the inner edge of appellants' sealing ring extends to the level of the inner surfaces of the drum and hopper, while the edge of the Meckenstock sealing ring stops short of the edge of the impeller plate, but such change seems to us to be a matter of choice obvious to the skilled mechanic.

So far as the feature of means to supply lubricant under pressure to the space between the sealing rings is concerned, no particular kind of lubricant is defined and the reference patent provides means in the form of a pipe to supply "water or other suitable fluid" to the sealed space. Water itself acts as lubricant under some circumstances and, aside from this, "other suitable fluid" would include lubricating oils.

[1] In the brief for appellants, there is some argument based upon the fact that Meckenstock flushes out the spaces between his sealing rings and the impeller of his pump, while appellants teach that the lubricant in their mixer serves to prevent any material from passing the sealing rings. We find nothing in the appealed claims which defines this distinction, and we, of course, are limited to what is claimed in considering the question of patentability.

[2] Another argument in the brief on behalf of appellants is that the Meckenstock patent is in "the pump art," while the application is in the "concrete mixer art," and it is argued that these are non-analogous arts. It has been stated hereinbefore that while the application names only a concrete mixer it is not so limited in its title, and it is obvious that in the appealed claims appellants sought to cover sealing means for more than concrete mixers—at least, in the introductory clause the broad expression "mixer structure," without any modification of "mixer," appears. Incidentally, it may be said that as an introductory phrase "mixer structure" does not constitute a limitation. See *In re Stacy*, 30 CCPA (Patents) 972, 135 F.2d 232, 57 USPQ 307, 554 O. G. 11, and pertinent cases therein cited.

It is structure which is here involved, specifically sealing means for a mixer. The sand or gravel which, in suspension in a liquid, passes through a rotating impeller in the Meckenstock pump obviously is mixed in passing. So, the function of the device upon which the sealing means of appellants operates appears to be literally met by the reference.

[3] We are not convinced that the Board erred in affirming the Primary Examiner's rejection of the appealed claims, and its decision is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, J., was not present at the argument of this case and did not participate in the decision.

NOTICES

Interference Notices

The Sheldon Company, Incorporated, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Harris & Gordon, 535 Mission Street, San Francisco 5, Calif., and The Sheldon Company, Incorporated, 416 New York Life Building, Minneapolis, Minn., for registration of a trade-mark. The assignment records of this Office show a transfer of title to The Sheldon-Detroit Corporation, Minneapolis, Minn., who have been substituted for said The Sheldon Company, Incorporated. The Office having been unable to obtain satisfactory service upon the assignee, notice is hereby given that unless said The Sheldon Company, Incorporated, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

Hercules Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Quaker Rubber Corporation, Comly and Milnor Streets, Philadelphia 24, Pa., and Page Belting Company, Eastman Street, Concord, N. H., for registration of a trade-mark and Registration No. 352,960, issued December 21, 1937, to Hercules Company, 3701 N. Broad Street, Philadelphia, Pa., and the notice of such declaration sent by registered mail to the said Hercules Company at the said address of record having been returned by the Post Office undeliverable, notice is hereby given that unless Hercules Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOS. E. DANIELS,
Jan. 31, 1950. *Assistant Commissioner of Patents.*

Russ Soda Fountain Company, its assigns or legal representatives, take notice:

An interference has been declared by this office between the application of Robert M. Green & Sons, Inc., 921–931 No. 5th St., Philadelphia 23, Pa., for registration of a trade-mark and Registration No. 343,362, issued February 16, 1937, to Russ Soda Fountain Company, 5700 Walworth Avenue, Cleveland, Ohio. The Bastian-Blessing Company, 4201 West Peterson Avenue, Chicago, Ill., has been joined with the registrant, Russ Soda Fountain Company, as a party to this proceeding. The notice of such declaration sent by registered mail to the said Russ Soda Fountain Company, at the said address having been returned by the post office undeliverable, notice is hereby given that unless Russ Soda Fountain Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS.
Feb. 7, 1950. *Assistant Commissioner of Patents.*

Disclaimers

2,188,406.—*Frank J. Horton*, Detroit, Mich. MACHINE FOR FORMING SPRINGS. Patent dated Jan. 30, 1940. Disclaimer filed Feb. 3, 1950, by the assignee, *No-Sag Spring Company.*

Hereby enters this disclaimer to claims 9 and 11 of said patent.

2,188,407.—*Frank J. Horton*, Detroit, Mich. MACHINE FOR FORMING SPRINGS. Patent dated Jan. 30, 1940. Disclaimer filed Feb. 3, 1950, by the assignee, *No-Sag Spring Company.*

Hereby enters this disclaimer to claims 2 to 6 inclusive, and claim 9 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

United States Government Owned Patents

The following U. S. Letters Patent owned by the United States Government as represented by the U. S. Atomic Energy Commission have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number and title. Reg. Nos. 33,897 through 33,963.

Pat. 2,410,384. FURNACE CONTROL SYSTEM. Patented Oct. 29, 1946. In the heat treatment of metals it is necessary to raise the temperature of the sample to a predetermined value, to keep its temperature constant for some time, and then to cool it to a temperature slightly above the ambient temperature. This invention is designed to carry out such an operation automatically. The high and low temperature may be set at will within a certain range. A system of three lights is provided to indicate that the sample is being heated, that it has reached its high temperature or has been cooled to its low temperature. A thermocouple and standard temperature regulating unit control a set of relays which connect a heating unit to a power source.

Pat. 2,417,392. TORSION BALANCE. Patented Mar. 11, 1947. An improved optical system is described for viewing the beam of a torsion balance so that the condition of balance may be accurately ascertained. The optical system consists of lucite rods by means of which parallel light beams are transmitted from light sources into the region traversed by the indicator strand during operation of the balance, and of a system of lenses and prisms by means of which an image of the illuminated portion of the strand will be transmitted to a screen. The state of balance can be determined regardless of lateral displacements of the sag of the torsion member, and regardless of the lateral displacement of the weighing beam. Portions of the weighing beam may be viewed at a common point so that their relative position will become readily apparent.

Pat. 2,418,523. METHOD AND APPARATUS FOR PRODUCING RADIOGRAPHS. Patented Apr. 8, 1947. A method is described of obtaining a radiograph or shadowgraph of an object undergoing change, which is particularly applicable when the source of radiation (X-rays) is comparatively weak and pulsed in the time order of a microsecond or less, as is the case with X-radiation from the betatron. Between the X-ray source and a camera are interposed the object under investigation, next to the source, and a multiple set of cloud-chambers, each of which has a pair of opposite walls one of which is partially opaque to X-rays, both of which are transparent to light. Upon initiation of an X-ray burst from the source, the shadow of the object, which is opaque to the transmission of X-rays, is projected upon the adjacent wall of each individual cloud chamber, where thus a shadow image of the object is formed. This image acts as a source of photo-electrons, which then produce tracks in the cloud chambers that are photographed by the camera. Each individual chamber will respond in proportion to the number of photons contained in a unit cross section of the X-ray beam. Many cloud chambers are used simultaneously in order to get an image of greater density and of more clearly defined contrast than that obtainable from a single cloud chamber.

Pat. 2,419,915. APPARATUS FOR THE STORAGE OF FLUORINE. Patented Apr. 29, 1947. This invention describes an easily transportable fluorine gas storage vessel containing a lining and unreactive protective coating resistant to the fluorine gas. The surface surrounding the storage space and the continuous, adherent coating on the inner surface consist of copper, nickel or a copper-nickel alloy with a copper content of over 60%. The reactive product contained on the inner surface is the metal fluoride, which is impenetrable and resistant to the fluorine gas.

Pat. 2,421,649. METHOD OF WELDING OR CUTTING METAL BY HYDROGEN-FLUORINE FLAME. Patented June 3, 1947. The use of the hydrogen-fluorine flame for welding or cutting metals, especially copper, is disclosed. The recommended ratio of the fluorine pressure to the hydrogen pressure is greater than 10 to 1. No external flux is required in welding copper since a copper fluoride coating is formed during the operation.

Pat. 2,422,590. PRODUCTION OF FLUORINE. Patented June 17, 1947. The present invention has as an object the improvement of the electrolytic production of fluorine, so as to do away with the need for large amounts of heat without requiring the use of an electrode of nickel or other rapidly consumed (by the fluorine) expensive metals. A method is provided for running the electrolytic decomposition of hydrogen fluoride below 100° C. and consists of the addition of small amounts of lithium fluoride to electrolytes of the type comprising hydrogen fluoride and a fluoride of a univalent metal, such as potassium. The primary effect of the lithium fluoride is to lower the melting point to a marked degree; this allows the graphite type of anode to be used, and reduces the vaporization loss of the hydrogen fluoride by lowering its vapor pressure. The system should be composed of 70–90% potassium bifluoride, 8–20% hydrogen fluoride and up to 10% lithium fluoride (preferably 4% by weight).

Pat. 2,422,907. PURIFICATION OF ACID POTASSIUM FLUORIDES. Patented June 24, 1947. A periodic purification of dissolved iron present in electrolytes employed in the manufacture of fluorine is accomplished by the addition of normal or acid sodium fluoride to the molten mass of contaminated acid potassium fluoride at about 100° C. This causes the iron impurity to be precipitated as a triple salt, which may be removed by sedimentation.

Pat. 2,422,921. ADJUSTABLE CAPILLARY LEAK. Patented June 24, 1947. This device is for controlling the flow of small quantities of fluids and, especially, of gases. It may be used to control the gas flowing into a mass spectrometer. The device consists of a piece of metal tubing flattened out so that the central opening is very thin. The tubing is then wound into two helices turning in opposite directions and an axle is inserted into the center of the coil. The tubing is fastened to this axle at the point where the helices meet and the size of the opening may be controlled by turning the axle and tightening or loosening the coils. A self-locking worm gear may be used to turn the shaft.

Pat. 2,423,173. SAFETY PIPETTE. Patented July 1, 1947. In using a pipette it sometimes happens that liquid is drawn into the user's mouth. In order to avoid this possibility a small disc of sintered glass is sealed into the pipette. Such a disc permits the passage of air when dry, but is impervious when wet so as to prevent the passage of liquid to the user's mouth.

Pat. 2,431,905. QUICK LOCKING FURNACE BASE PLATE. Patented Dec. 2, 1947. This device is a bottom closure for furnaces and crucibles comprising a plate adapted to fit in with raceways secured to the lower ends of a cylindrical wall member for quick assembly and disassembly.

Pat. 2,431,969. FLUORINATION OF PERCHLOROHEXATRIENE. Patented Dec. 2, 1947. A new chlorofluoro compound, C_6ClF_9, is obtained by the action of antimony pentafluoride on perchlorohexatriene.

Pat. 2,431,975. METHOD OF WELDING CARBON TO MOLYBDENUM. Patented Dec. 2, 1947. A method is described whereby the welding of two contacting materials, one of which is carbon and the other molybdenum, is accomplished by using an atomic hydrogen flame at atmospheric pressure while contacting the material with a molybdenum welding rod. The welding may be accomplished by using other methods of heating so long as a protective atmosphere is used.

Pat. 2,436,083. SEDIMENTATION TUBE. Patented Feb. 17, 1948. An improvement in sedimentation tubes employing a capillary tube connected thereto containing a measuring liquid. The capillary tube is bent at the bottom in such a way as to prevent the particles of the suspension from diffusing into the measuring liquid and the tube is closed at the top so as to avoid evaporation. The capillary tube may be provided with a stopcock at its upper end so as to avoid mixing of the measuring fluid with the suspending fluid.

Pat. 2,436,084. IONIZATION CHAMBER. Patented Feb. 17, 1948. Standard ionization chamber design has been modified with the intention of improving the reliability of the measurements and providing greater safeguards against the high voltages used in the instrument. This is accomplished by a system of guard rings and shields which prevent the appearance of high potentials across insulators and shield the different electrodes and leads from each other.

Pat. 2,437,476. DIFFERENTIAL TWIN CHAMBER NEUTRON METER. Patented Mar. 9, 1948. This invention is designed to measure the intensity of neutron radiation in the presence of radiation of other types and especially of gamma rays. It also provides a means for detecting directional effects which may be eliminated in the final reading. The device consists of two ionization chambers, one filled with a gas like argon which is not ionized by neutron bombardment, the other filled with a gas rich in hydrogen, which is ionized by neutrons through the action of recoiling protons. The pressures in the two chambers are so adjusted that the ionization produced in each by equal gamma activities is equal. In order to measure neutron activity, the chamber walls are maintained at opposite potentials. The central conductors are connected to each other and a common lead goes to an electroscope. The chambers may be interchanged to detect directional effects.

Pat. 2,440,167. DIFFERENTIAL ION CHAMBER. Patented Apr. 20, 1948. This invention is a device which may be operated so as to measure either the combined effects or the separate effects of slow neutrons and other penetrating radiation. The device consists, essentially, of three concentric cylinders, the spaces between them forming two chambers of equal volume. The walls of the outer chamber are coated with some substance which emits alphas when bombarded with slow neutrons. The central cylinder is connected to the casing of the instrument through a galvanometer, and the other two cylinders may be maintained either at the same or opposite potentials. When they are at the same potential, the reading on the galvanometer is a measure of the total intensity of the penetrating radiation. When, on the other hand, the cylinders have opposite potentials, no reading is produced in the absence of slow neutron radiation since the ionizing effects of other radiation is the same in both chambers. The meter reading is then proportional to the intensity of slow neutron radiation.

Pat. 2,440,999. COMPRESSED NEUTRON SOURCE. Patented May 4, 1948. A radioactive substance, such as radium, either in elemental form or as a compound is mixed with an element such as beryllium which emits neutrons when bombarded by alpha particles. The mixture is subjected to considerable pressure to form a pellet of the desired shape and size which is tightly enclosed in a metallic container. Suitable ratios of the ingredients and methods of handling are disclosed.

Pat. 2,442,314. GEIGER COUNTER IMPROVEMENT. Patented May 25, 1948. The alkyl mono-halides of two to six carbon atoms in their vapor phase have been found to be excellent quenching gases for Geiger counters. The halogen atom of the halide may be chlorine, bromine, iodine or fluorine. The halide may be an ethyl, propyl, butyl, amyl, or hexyl halide. The monohalides of higher chain length give better plateaus so that if an especially good plateau is desired, one of the amyl halides or hexyl halides should be used. As the atomic weight of the halogen atom decreases, the stability of the molecule increases and hence its lifetime. A useful range of pressures is 9 to 25 mm. Hg.

Pat. 2,442,589. PURIFICATION OF PERFLUOROHEPTANE BY AZEOTROPIC DISTILLATION WITH METHYL ETHYL KETONE. Patented June 1, 1948. Perfluoroheptane containing impurities is purified by an azeotropic distillation process employing methyl ethyl ketone.

Pat. 2,442,599. GLASS MAGNETIC STOPCOCK. Patented June 1, 1948. A glass stopcock which may be opened or closed by electromagnetic means which operates to seat or unseat a control valve. The specific embodiment includes a control key means for energizing an electromagnetic latch mechanism for retaining the valve in a fixed position.

Pat. 2,442,622. SEAL. Patented June 1, 1948. A device which permits rotational, translational and rocking motion of a rod extending into a vacuum chamber through a leak proof seal. The rod passes through two sleeves, one sleeve being sealed into the chamber wall. A conical hole is bored in this latter sleeve to permit the rod to rock through a certain angle. The rod extends through the first sleeve into this hole, the abutting surfaces being so shaped as to permit a rocking motion of one sleeve with respect to the other. The sleeves are packed and held together by an airtight metallic bellows which is connected with the vacuum chamber so that it may also be evacuated, and which is elastic enough to bend easily.

Pat. 2,443,365. SUPPORT FOR GEIGER-MUELLER COUNTERS. Patented June 15, 1948. The apparatus consists of a Geiger-Mueller counter tube, an elongated radiation shield openable at one end, an elongated rigid support mounted in the other end of the shield and extending lengthwise in the shield cavity, a clamp slidable along the support, a counter tube rigidly secured to the clamp, an external insulated conductor extending into the shield cavity and connected to a conductor of the tube, means on the clamp securing one end of the external conductor in a fixed position relative to the tube, and a handle of electrically insulating material on the clamp and extending toward the openable end of the shield, whereby the tube may be moved along the support and remain free of tension on its conducting leads.

Pat. 2,444,613. LOW HUMIDITY METER. Patented July 6, 1948. This humidity meter determines the moisture content of a stream of gas by passing it through a packing containing a dehydrated agent with a high heat of hydration. For this purpose $Mg(ClO_4)_2$ has many advantages. The gas is forced into a box containing the packing by a constant speed pump, and the rate of flow of the gas may be determined with the aid of a manometer on the input tube. The temperature of the packing is measured by means of a thermocouple arrangement. For calibration purposes, air with a known dew point may be admitted into the meter and the corresponding thermocouple readings noted.

Pat. 2,446,251. JOINT FILLERS. Patented Aug. 3, 1948. A permanently plastic lubricating pipe joint compound which is highly resistant to attack by elemental fluorine. This compound is useful for application to threaded unions of pipes used for conveying gaseous fluorine. This filler consists of a mixture of calcium fluoride with a perfluorated lubricant in certain proportions.

Pat. 2,446,780. METHOD OF PREPARING URANIUM HYDRIDE. Patented Aug. 10, 1948. This method for the preparation of uranium hydride comprises the introduction of water vapor into the first of two communicating reaction zones present within a closed system, maintained below atmospheric pressure; the water vapor is reduced by a suitable substance to hydrogen, which is transported to the second zone of reaction and reacted with metallic uranium at prescribed pressure and temperature conditions. The reaction rate of the system is controlled by the rate of introduction of the water vapor, and is so regulated as to provide continuously the second zone with subatmospheric pressures.

Pat. 2,446,997. MOLECULAR DISTILLATION PROCESS AND APPARATUS FOR THE SEPARATION OF ISOTOPES, ETC. Patented Aug. 17, 1948. A multi-stage system employing free evaporation method for separation of close boiling mixes. A stream of substance to be distilled is moved by gravity from stage to stage in one direction, unidirectionally vaporising and condensing material at the various stages. The condensed material is returned to the stream by gravity from stage to stage in the opposite direction, thereby effecting gravity refluxing of the molecular distillation.

Pat. 2,448,479. URANIUM MONOCARBIDE AND METHOD OF PREPARATION. Patented Aug. 31, 1948. Uranium carbides of low carbon content represented by formulas UC, UC_2 and U_2C_3 that have structural strength and resistance to wear superior to metallic uranium or uranium oxides are prepared from certain uranium oxides and carbon by reacting in various stoichiometric proportions.

Pat. 2,451,953. METER PROTECTION CIRCUIT. Patented Oct. 19, 1948. An electronic circuit for the purpose of protecting an electric meter from over-load is disclosed. When the current through the meter exceeds a safe value, a thyratron is made to operate a relay which short-circuits the meter. The meter then stays shorted out until the current has again reached a safe value.

Pat. 2,452,139. METHOD OF PREPARING URANIUM DEUTERIDE. Patented Oct. 26, 1948. This is a method for the preparation of uranium deuteride UD_3 from U and D, in a reversible reaction requiring suitable conditions of temperature and pressure. The apparatus for the preparation of UD_3 is a closed system composed of two parts; in part one vapors of heavy water react with uranium turnings at about 700° C. to form D; in part two D reacts with uranium turnings at about 250° C. to form UD_3. The pressure should exceed the decomposition pressure of UD_3, which is about 27 mm. Hg at the above temperature. The final product UD_3 is a convenient means of storing and handling D, the latter being released by heating above the decomposition temperature at the existing pressure.

Pat. 2,452,156. FLOAT POSITION INDICATOR. Patented Oct. 26, 1948. An electrical remote indicating system for location of a small object is disclosed. The object under observation is placed in a glass ampule provided with a small metal tip of any suitable metal, either magnetic or non-magnetic. The path of travel of this float is surrounded by an inductance coil, traversed by a high-frequency alternating circuit of relatively large amplitude. The displaceable metal body will absorb energy by eddy current losses, at a rate dependent on the flux intensity traversing the metal body. The coil is so constructed that the flux will vary with position so that the amount of energy loss will serve as an indication of the location of the float. An electronic circuit is disclosed by means of which the energy loss can be measured.

Pat. 2,452,913. METHOD OF PRODUCING CALCIUM HYDRIDES BY DISTILLATION. Patented Nov. 2, 1948. Calcium hydride of high purity is obtained by reacting high purity calcium with hydrogen at a suitable temperature. The high purity calcium is obtained from ordinary commercial grade calcium by the double distillation process carried out at low pressure. Suitable distillation is carried out in the presence of titanium oxide which serves to reduce the amount of alkali metals which collects with a distilled calcium. Prior to opening the retort to remove the calcium carbon dioxide gas is admitted to react with the small amounts of alkali metals remaining with the calcium in order to form a protecting coating so that the calcium will not ignite on exposure to air. The once distilled calcium is redistilled to give a high purity calcium which is converted to the hydride.

Pat. 2,455,718. DIRECT-CURRENT AMPLIFIER. Patented Dec. 7, 1948. An electronic circuit is described for amplifying direct currents or alternating currents, particularly those under 1,000 cps., of small magnitude, say about 10^{-9} amperes. Two tubes are coupled in such a way that changes in the cathode current emission in the first tube will not be amplified or transmitted through the second tube and further stages of amplification.

Pat. 2,456,426. MASS SPECTROMETER SYSTEM. Patented Dec. 14, 1948. This device is designed to measure the ratio of two ion currents in a mass spectrometer. The ion currents fall on two separate collectors and each goes through a resistor to ground. The output of each resistor is fed to an amplifier, one of these amplifiers being provided with a negative feedback circuit. This amplifier is therefore a low impedance D. C. voltage source, the output being proportional to the input and of opposite sign. This reversed output is then fed, through a potentiometer and a series resistance, to the input of the second amplifier. The potentiometer may be adjusted to give a zero output from the second amplifier and the ratio of the ion currents may be calculated from this null setting.

Pat. 2,458,632. IONIZATION CHAMBER. Patented Jan. 11, 1949. This device is a means for eliminating or reducing losses in high frequency electrical circuits. High frequency impulses are transmitted with a minimum of attenuation. The instrument consists of a pair of parallel plate electrodes spaced in confronting relationship, a hollow cylindrical casing around, which is grounded, an electronic amplifying circuit having an input coupled to the collecting electrode, and an additional electrical shielding member connected to the cathode of the amplifying circuit and interposed between the collecting electrode and the casing.

Pat. 2,461,661. PREPARATION OF ALKALI METAL COMPOUNDS. Patented Feb. 15, 1949. Alkali-metal borohydrides, useful as reducing agents, are prepared from alkali-metal alkoxyborohydrides and diborane, according to equation $2MeBH(OR)_3 + B_2H_6 \rightarrow 2MeBH_4 + 2B(OR)_3$, where Me is an alkali metal and R is a monovalent alkyl radical. $NaBH_4$ produced in this manner is a fine white powder, soluble in liquid ammonia and pyridine, readily attacked by acids, and slowly by water; it is a good reducing agent.

Pat. 2,461,662. PREPARATION OF ALKALI METAL COMPOUNDS. Patented Feb. 15, 1949. A method is described for the preparation of alkali-metal borohydrides from an alkali-metal alkoxide and diborane, according to the equation $3MeOR + 2B_2H_6 \rightarrow 3MeBH_4 + B(OR)_3$, in which Me is an alkali metal and R is a monovalent alkyl radical.

Pat. 2,461,663. PREPARATION OF ALKALI METAL BOROHYDRIDES. Patented Feb. 15, 1949. Borohydrides of the alkali metals can be prepared from alkali-metal tetraalkoxyborates and diborane, the reaction being $3MeB(OR)_4 + B_2H_6 \rightarrow 3MeBH_4 + 4B(OR)_3$ where Me is an alkali metal and R is a monovalent alkyl radical. The $MeB(OR)_4$ may be formed by reaction of alkyl borates with alkali-metal alkoxides. The reaction between $MeB(OR)_4$ and B_2H_6 is carried out in a closed system, the absence of air being essential.

Pat. 2,462,935. HIGH STABILITY VOLTAGE REGULATOR. Patented Mar. 1, 1949. An electronic circuit is disclosed for a voltage regulator of high stability.

Pat. 2,462,997. ATTACHMENT FOR MILLING MACHINES. Patented Mar. 1, 1949. An adaptor unit is described for attaching a power tool to the head of a milling machine or the like with two offset openings, one of a size to closely fit the quill of the machine and the other to hold the body of a power tool in offset relation to the quill and over the table of the milling machine. The bearing and the power tool are adjustable so that the material being worked on lies between them. The adaptor may be easily raised or lowered in relation to the work or the work is placed on an adjustable table whereby it may be adjusted relative to the spindle.

Pat. 2,465,886. ELECTRICAL MEASURING APPARATUS. Patented Mar. 29, 1949. An improved fountain pen type electroscope for use in portable instruments measuring radioactivity is described. The rate of discharge of the electroscope is observed through a microscope, the light source of which may be made to flash after a predetermined interval; a timing means is adapted to indicate visually on an indicator the passage of a fixed time after its actuation.

Pat. 2,465,938. RADIATION MEASURING DEVICE. Patented Mar. 29, 1949. An improved ionization chamber for the measurement of particles and radiations emanating from radioactive materials is described. The improvement decreases the responsive time of the instrument. The apparatus consists of an ionization chamber circuit having a voltage supply, a direct-current electronic amplifier which has a cathode, an anode, a control electrode and an anode impedance; an input circuit is connected to the ionization chamber circuit and an output circuit adapted to produce an output voltage varying with the amount of ionization occurring in the chamber; a switch is provided for connecting the ionization chamber and voltage supply in series with the resistance.

Pat. 2,468,678. REGULATOR. Patented Apr. 26, 1949. This device regulates the current to an electromagnetic coil so as to maintain a constant magnetic field. A resistance in series with the field coil feeds a voltage to a galvanometer, which, through a photocell arrangement, controls the D. C. generator energizing the field coils. A damping device is provided to avoid excessive overshooting in the galvanometer. The regulating system is also so devised as to eliminate the delay caused by the various inductances and by the inertia of the galvanometer coil.

Pat. 2,468,681. PURIFICATION OF HYDROGEN FLUORIDE. Patented Apr. 26, 1949. The removal of fluorinated organic impurities from the by-product hydrogen fluoride created in the synthesis of perfluoro-dimethyl-cyclohexane from bis (trifluoromethyl) benzene is accomplished by a solvent extraction process. The process consists of washing the cooled liquid HF with an organic solvent selected from the group consisting of perfluoro-methyl-cyclohexane and perfluoro-dimethyl-cyclohexane. After thorough mixing followed by settling the layers are separated to recover the purified HF.

Pat. 2,469,916. PROCESS OF PRODUCING URANIUM TETRABROMIDE. Patented May 10, 1949. Uranium tetrabromide is prepared by a liquid phase reaction of a uranium oxide with sulfur bromide which is formed in situ by agitating and refluxing a mixture of the uranium oxide, bromine and sulfur at an elevated temperature. Uranium dioxide is the preferred starting material. The contaminants sulfur bromide and excess bromine are distilled out of the reaction mass and the excess sulfur is then extracted from the uranium tetrabromide by means of a solvent.

Pat. 2,470,895. IMPULSE TYPE POWER SUPPLY. Patented May 24, 1949. An electronic power supply circuit is described capable of delivering a substantial peak power, while its average power capacity may be small. The circuit supplies substantially rectangular voltage pulses which have regulated and adjustable amplitude.

Pat. 2,472,365. ALPHA PARTICLE COUNTING. Patented June 7, 1949. An alpha-particle counting device is described which incorporates high geometry and a simple working mechanism for the easy determination of the degree of ionization in regions of the body, especially the hands. It contains an alpha-counting ionization chamber in which the high voltage electrode is the collecting electrode, and is in the form of a tube having an axially aligned rod which is connected to an amplifier.

Pat. 2,472,456. CRUCIBLE AND METHOD OF MAKING CRUCIBLES. Patented June 7, 1949. A crucible and method of making. The side walls and bottom members are separately constructed and machined so that the bottom member may be held in place without the use of flanges. The bottom member consists of a disc, flat on one side, but machined on the other so that the surface slopes towards a discharge outlet.

Pat. 2,474,042. VIBRATION ELIMINATING APPARATUS. Patented June 21, 1949. Apparatus for inhibiting the reciprocatory vibrations of a pump having a reciprocating piston is described. A plate is mounted on top of the compressor by four posts, and a weight is suspended from it by several springs. The resonance frequence of this vibrational system is made equal to that of the compressor vibration by proper adjustment of the weight and the force constants of the springs, so that the vibration of the weight-and-spring system will compensate the vibration of the reciprocating piston of the compressor. Furthermore the plate from which the springs are suspended as well as the base plate on which the compressor is mounted, are attached by springs to firm supports, to take up the residual vibration.

Pat. 2,474,773. RADIATION DETECTOR. Patented June 28, 1949. An electronic circuit is described which is used to amplify the pulses obtained in an ionization chamber. In particular, a cathode follower type preamplifier tube is provided, which has a very high effective input impedance and a relatively low time constant.

Pat. 2,475,138. DEVICE FOR MEASURING THERMAL CONDUCTIVITY. Patented July 5, 1949. A device for the accurate measurement of the thermal conductivity of fluids and fluid-like solids. It consists of an inner sphere surrounded by a concentric spherical shell; the space between the sphere and the shell is filled with the fluid in question. The outer shell is immersed in a constant temperature bath and the inner sphere is heated by means of a resistance element embedded in the sphere. Thermocouples, distributed along the surface of the sphere, indicate the temperature of the sphere, and a wattmeter shows the power supplied to the sphere. The geometry of the system is such that the thermal conductivity may be calculated readily from the data.

Pat. 2,477,924. METHOD OF PREPARING URANIUM TRIOXIDE. Patented Aug. 2, 1949. A process for the preparation of uranium trioxide (UO_3) in crystalline form from an amorphous oxide of uranium (U_3O_8) together with a description of apparatus is set forth. This is accomplished by heating the amorphous oxide between 450–750° C. under oxygen pressures varying from 20–150 atmospheres.

Pat. 2,479,271. IONIZATION CHAMBER CIRCUIT. Patented Aug. 16, 1949. An ionization chamber circuit and arrangement are described which eliminate the harmful effects of the grid-current of the vacuum tube connected with the control electrode of the chamber. In addition to the source of radio-activity which is being measured, a supplemental radioactive source is introduced which, by means of the circuit described, removes from the control electrode of the direct current amplifier the charge which it accumulates by reason of the collection of charge within the electronic tube. This procedure is especially useful in connection with an ionization chamber used for measurement of integrated radioactivity, for which the harmful grid-current effect would otherwise cause serious difficulty when the chamber is run over a period of several hours.

Pat. 2,479,600. IONIZATION CHAMBER. Patented Aug. 23, 1949. An ionization chamber, simple in design and easy to assemble is described. It comprises a cylindrical glass envelope having two tapered ends, one end fitted with a stopcock and the other with a glass plug; a connecting rod is centered in the plug and serves as a central collecting electrode, while conducting material coated on the inside of the chamber serves as the other electrode.

Pat. 2,479,699. APPARATUS FOR MAGNETIC MEASUREMENTS. Patented Aug. 23, 1949. This is an improved and simplified apparatus for calibrating a magnetic flux meter. A reproduceable current is produced by causing a solenoid coil to fall freely a fixed distance in a fixed magnetic field. A series of taps are provided on the solenoid coil in order to vary the current intensity. The time of flow of the current may be varied by dropping the solenoid coil through varying distances.

Pat. 2,481,320. MAGNETIC PUMP. Patented Sept. 6, 1949. Discloses the design of a magnetically operated pump which is to be used for the pumping of liquids within regions that are maintained under high vacuum. By virtue of an improved valve mechanism, the necessity for mechanical connections of any kind is eliminated, since the intake and exhaust valves are arranged in such a way that they are operated by the liquid which is being pumped. The reciprocating plunger moves in one direction by gravitational action and is returned to the starting position electromagnetically.

Pat. 2,481,506. FAST NEUTRON METER. Patented Sept. 13, 1949. An apparatus for accurately measuring the intensity of neutron radiations in the presence of gamma radiations is described. There are two chambers arranged concentrically with respect to each other and around a rod electrode; both chambers are equally responsive to gamma radiations but the outer chamber is also responsive to neutrons; collecting fields of opposite charge are placed on the chambers. The net magnitude of the current generated in the two units is equal to the response to the neutron bombardment alone.

Pat. 2,481,964. FAST NEUTRON METER. Patented Sept. 13, 1949. An apparatus for the exclusive measurement of fast neutrons is described. It consists of two ionization chambers connected by a tube, each chamber containing two electrodes; the electrodes from the two chambers are connected, one pair forming the output terminal and the other pair the input terminal. The first chamber is filled with a gas of atomic weight not greater than four; the second chamber contains gas of atomic weight greater than four. Both chambers have a similar response to gamma rays, but one chamber has enough gaseous hydrocarbon added to permit proton recoil measurements to be made.

Pat. 2,483,981. DYNAMIC CONDENSER. Patented Oct. 4, 1949. An improved dynamic condenser is disclosed which can be used to convert small direct voltages into alternating voltages and so measure small electric potentials and electrostatic charges. The resonant frequency of the condenser diaphragm is greater than 200 cycles per second, which largely eliminates the disturbing influence from any power lines likely to be used. The electrodes are inclosed in a chamber filled with an inert gas, preferably argon, which damps the vibrations of the diaphragm and makes the conditions of resonance less critical. To minimize the contact potential between the diaphragm and the electrode, their surfaces are coated with gold, which is also relatively inert to the gas in the chamber.

Pat. 2,483,991. RADIATION EXPOSURE METER. Patented Oct. 4, 1949. This radiation exposure meter consists of photographic film sensitive to gamma and X-rays. The film is contained in a metal box provided with an opening to admit radiation. A filter is placed over the film, the properties of the filter and the film being such that the film will be blackened equally by equal numbers of roentgens of radiation of various frequencies within a certain range. Two or more sheets of film of different sensitivities may be used so as to increase the range of exposures which may be accurately measured.

Pat. 2,485,469. METHOD AND MEANS FOR DETECTING IONIZATION. Patented Oct. 18, 1949. The utilization of a mixture of monatomic and polyatomic gases in an ionization chamber is disclosed. Mixtures comprising not less than 80% argon and not more than 20% carbon dioxide at about atmospheric pressure are useful. The carbon dioxide content may be as little as 0.5%, the percentage employed being a fraction of the voltage, the pressure in the chamber and the ionizing event to be detected.

Pat. 2,485,470. METHOD AND APPARATUS FOR CONTROL OF BEAM ENERGY. Patented Oct. 18, 1949. An apparatus for the measurement and the control of the energy of beams of charged particles is described. It consists essentially of a foil that can be rotated so as to form various angles 90° with the axis of the beam. The advantage of such a device is to permit the use of only one foil, instead of many, when various thicknesses of matter must be placed in the path of a beam. The instrument is useful for the measurement of ranges and energies of accelerated particles, for the control of a radiation used for a specific purpose, for the elimination of undesired components, etc.

Pat. 2,485,507. CHLORINATED HYDROCARBON. Oct. 18, 1949. A method of manufacture of highly chlorinated organic compounds containing eight carbon atoms from chlorinated hydrocarbons of lower molecular carbon content is described. The process is adapted for the production of new high-boiling oils suitable for use as heat transfer media and as intermediates for the manufacture of highly halogenated products.

Pat. 2,485,516. SHALLOW PLANE PROPORTIONAL COUNTER. Patented Oct. 18, 1949. An improved proportional counter is described in which a pair of parallel plate cathodes of high transparency are used in conjunction with an anode of novel design. The effective counting area is substantially increased while uniformity of response is retained. The use of a plurality of planiform electrode assemblies makes a device which is particularly adapted for the determination of the characteristics of ionizing particles by multiple coincidence and anti-coincidence methods.

Pat. 2,486,207. LIQUID LEVEL MEASURING APPARATUS. Patented Oct. 25, 1949. A simple means for measuring the liquid levels in vessels containing two gas compartments above the same body of fluid is described; it consists of a gas bubbler suitable for application in systems involving highly corrosive materials such as the fluorine, hydrogen fluoride, and acid potassium fluoride electrolyte involved in the electrolytic production of fluorine. The gas compartments to be measured are connected to manometers which are in turn connected to a single gas feed to the body of liquid beneath the compartments. The manometers measure the difference in pressure between the gas spaces and the gas feed; since the same liquid body is beneath both gas spaces, the liquid level in each space corresponds to the gas pressure and the difference between the pressure of the gas feed and that of each of the gas spaces constitutes a direct measure of the height of the liquid column from the gas feed to the liquid level in that particular compartment.

Pat. 2,486,955. PRODUCING THIN FILM OF METAL OXIDE. Patented Nov. 1, 1949. A method is described for forming a thin, smooth, adherent uranium oxide coating of uniform thickness on a polished platinum disc. An amyl acetate solution of uranyl chloride is prepared containing about 2 mg. of the chloride/ml. of amyl acetate and about 8% by volume of an organic solvent solution for a binder. The solution is sprayed onto the platinum disc and then heated to 600° C.

Pat. 2,487,360. NITROGEN PURIFICATION PROCESS. Patented Nov. 8, 1949. A simplified method for the purification of nitrogen by the removal of oxygen is accomplished by passing the impure nitrogen over uranium nitride while maintaining the nitride at an elevated temperature usually not less than 200° C. and preferably about 500–600° C.

Pat. 2,487,510. CURRENT INTEGRATING NETWORK. Patented Nov. 8, 1949. A current integrating circuit is described whose output is proportional to the quantity of the input. The circuit employs four gaseous discharge triodes. Furthermore, a method is given by which an electronic circuit can be made to charge and discharge a condenser at a rate which is a function of the current being integrated.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JANUARY, 1950

Philadelphia Quartz Company v. *Flower Foods, Inc.*, 171 Ms. D. 653, 84 USPQ 48 (Jan. 5, 1950), Opposition No. 26,386. The owner of the registered trade-mark "B" for "silicate of soda" held not entitled to oppose registration of the same letter for "a composition containing chemical ingredients for strengthening, feeding, and promoting the development of cut plants and flowers." The letter "B" held not descriptive of the latter product and opposer's mark for "silicate of soda" held not subject to cancellation.

DANIELS, *Assistant Commissioner:*

The Examiner of Trade-Mark Interferences has dismissed the opposition to an application for registration of a trade-mark under the act of 1905, for "a composition containing chemical ingredients for strengthening, feeding, and promoting the development of cut plants and flowers." The mark sought to be registered by the application to which opposition was filed consists of the letter "B." The Examiner of Interferences further held, without reference to the issues of the opposition, that the applicant's mark is merely descriptive of the goods, and that accordingly the applicant is not entitled to the registration thereof. The Examiner also dismissed a counterclaim of applicant requesting cancellation of Registration No. 80,944, for the letter "B," registered under the Trade-Mark Act of 1905, February 14, 1911, and renewed, for "silicate of soda."

The applicant has appealed from the ex parte refusal to register its mark and from the dismissal of its counterclaim. Opposer did not appeal from the dismissal of the notice of opposition, and therefore the issues involved in the opposition need not be considered.

The basis of holding that the applicant's mark was merely descriptive and accordingly should not be registered, is the finding of the Examiner of Interferences that vitamin B is suitable for use as an ingredient for plant foods and the like, and that the use of the letter "B" would be an indication of such a vitamin content. The opposer introduced certain publications under former patent rule No. 154(*e*), containing advertisements in which reference was made to plant nutrients stated to have contained vitamin B. The Examiner of Interferences, after noting applicant's contention that such publications were not competent evidence, stated that a consideration of them impelled an investigation of competent authority and accordingly referred to certain statements made in chemical dictionaries with respect to experiments with plant nutrients containing vitamin B. On the basis of such publications, the ex parte holding of descriptiveness was made. The applicant contends that it was improper to consider these publications. For ex parte determination as to whether or not a word is descriptive as applied to a product, the Examiner may refer to a wide variety of published material, and dictionaries, patent specifications, advertising material, books and other publications are frequently referred to for this purpose. The extent to which such published articles might be considered if the dispute were one as to the actual use or action of vitamins need not be considered. Whether or not the mark sought to be registered is or is not descriptive (or misdescriptive) of a product and its registration might preclude others from proper use of such a word in such descriptive sense is, however, one of usage, and in my opinion, for such ex parte consideration the Examiner's reference to the chemical dictionaries was proper and the publications introduced by the opposer might also be considered, even though the Examiner did not choose to rely upon them.

As already indicated, the question is not, whether or not applicant's product or any similar product actually contains vitamin B, or whether the use of vitamin B compounds in such a product is desirable or effective, but, whether or not the mark as used would indicate such content to the public. If it does, it clearly should not be registered, since, if descriptive, any one is entitled to the use thereof, and if not it would be misdescriptive. *W. G. Reardon Laboratories, Inc.* v. *B. & B. Exterminators*, 71 F.2d 515, 22 USPQ 22; *Barber-Colman Co.* v. *Overhead Door Corporation*, 20 CCPA 1118, 65 F.2d 147.

Letters used either alone or in connection with other features may function as trade-marks. (See Nims on Trade-Marks, Fourth Edition, page 599, and cases there cited.) When, however, they are used on any product in such a manner as to indicate its vitamin content, such letters would clearly be descriptive and unregistrable. *Nutrition Research Laboratories* v. *John Wyeth and Brother, Incorporated*, 563 O. G. 589, 61 USPQ 503; *The Upjohn Company* v. *The Maltine Company*, 553 O. G. 1058, 51 USPQ 483; *Ex parte Consolidated Products Company*, 607 O. G. 587, 76 USPQ 127; *Ex parte Dixie Medicine Corporation*, 590 O. G. 532, 70 USPQ 366. When applied to products which are clearly vitamin preparations as in *The Upjohn Company* v. *The Maltine Company*, supra, and *Nutrition Research Laboratories* v. *John Wyeth and Brother, Incorporated*, supra, any use of a letter which might designate a vitamin might clearly lead the public to ascribe that meaning thereto. This is probably also true as to food and other products which contain vitamins or have become connected with vitamins by public acceptance, advertising, or otherwise. Except as to products commonly associated with possible or probable vitamin content, there is no reason to believe that the letter B used alone would be regarded as descriptive.

I am, however, unable to agree that applicant's preparation stated to prolong the life of cut flowers

is one which would naturally be associated with or believed to indicate vitamin content. No vitamin B preparation is actually used in the product. As used on the labels presented there is no reference to vitamins, nor to any use of the product which would cause the mark to be associated with any vitamin product. Even accepting all the published material referred to, there is little evidence of any actual use of any vitamin B preparation in connection with plant nutrients, and the advertisements submitted by opposer would not indicate any continuous substantial reference to any such use. These refer to plant nutrients and neither they nor the chemical dictionary indicate any extensive use of vitamin B, if in fact, they established any use whatever in plant nutrients. Further, while applicant's product may be broadly a plant nutrient, its use for cut flowers differentiates to some extent from the uses referred to in the chemical dictionary. Therefore, while agreeing with the Examiner as to the propriety of considering the publications to which he referred, and even the others not mentioned by him, I cannot, upon the record before me, determine that the mark as used would be regarded by the public as having reference to vitamin content in the product. It appears to be used in an arbitrary manner and would apparently have no other significance. Nor would such use seem to preclude use in a descriptive sense of a proper reference to vitamin content of such a product by others. It is accordingly my opinion that it has not been established that the mark, as used, is either descriptive or misdescriptive, and, the opposition having been dismissed, any doubt should be resolved in favor of the applicant. Accordingly, I cannot agree with the Examiner of Interferences that the application should be refused ex parte.

It is not considered necessary to review the grounds of applicant's appeal from the Examiner of Interferences' holding that it is not entitled to cancellation of opposer's registration above identified, it being sufficient to state that I agree with the conclusion of the Examiner of Interferences that the applicant has not established such injury as to entitle it to cancellation thereof.

The decision of the Examiner of Interferences in so far as it states "it is adjudged that the applicant is not entitled to the registration for which it has made application" is reversed; otherwise affirmed.

International Brotherhood of Electrical Workers v. *Rocke International Electric Corp.*, 171 Ms. D. 650, 84 USPQ 46 (Jan. 5, 1950), Cancellation No. 5140. A trade-mark consisting of the words "International Electric Rocke Corp." in conjunction with a small design and registered for radio receiving sets and similar products should not be canceled on the ground of confusing similarity with a union label and mark comprising the words "International Brotherhood of Electrical Workers."

DANIELS, *Assistant Commissioner:*

This is an appeal from the decision of the Examiner of Trade-Mark Interferences dismissing a petition to cancel Trade-Mark Registration No. 393,232, issued January 27, 1942, under the Trade-Mark Act of 1905. The mark disclosed in the registration sought to be canceled comprises the notation "INTERNATIONAL ELECTRIC" with the words "Rocke" and "Corp." in smaller print, appearing above and below these words, all of the words being inclosed within a framelike design. The products set out in such registration are "radio receiving and radio transmitting tubes, fluorescent light tubes, or lamps."

It is alleged in the petition for cancellation that petitioner has, since a date prior to any date alleged by respondent been "continuously engaged in and been associated with the manufacture and sale in large quantities throughout the United States and Canada, of electrical equipment and related products bearing its name and trade-mark, both of which include the word 'International.'" It is further alleged that petitioner has widely advertised its goods sold under its trade-mark "International Brotherhood of Electrical Workers" and has established a valuable good will in association therewith. Petitioner has proven ownership of Trade-Mark Registrations, No. 428,998, registered April 15, 1947, for "electrical equipment—namely, electric light bulbs"; and No. 431,576, registered July 29, 1947, for "electrical equipment and supplies—namely, electric signs, switchboards, motors, and generators," which were registered as collective trade-marks in accordance with the Trade-Mark Act of 1905 as amended June 10, 1938, for the products mentioned. The mark disclosed in petitioner's label consists of several concentric circles. Outside the circles appear the words "Union Made," and the letters I B E W. The outer circle, colored white, contains the words "Affiliated with American Federation of Labor." The second circle is of darker color and contains the words, "International Brotherhood of Electrical Workers." Within the wide central circle appears a design feature and the words, "Organized Nov. 28, 1891."

The petition alleges that the simultaneous use of respondent's mark and petitioner's union label will create a likelihood of confusion in the public mind, and that in view of petitioner's alleged prior use of its mark upon electrical equipment, and of its firm name, the respondent's mark should be canceled.

The Examiner of Interferences dismissed the petition for cancellation on the ground that the petitioner had failed to show prior use of the composite mark shown in the registrations and specimens on any goods which could be said to possess the same descriptive properties as those set out in respondent's registration.

The Examiner correctly held that the petitioner could not rely upon its registrations in view of the prior filing date of respondent's application for the registration sought to be canceled. He further held that the evidence submitted by petitioner was vague and indefinite and failed to establish prior use of the petitioner's composite mark on any goods which possess the same descriptive properties as those of respondent. I agree with the conclusion of the Examiner of Interferences that petitioner's testimony submitted for the purpose of establishing likelihood of confusion and prior use is not sufficiently definite and unequivocal to justify a finding that petitioner used the mark on any merchandise of the same descriptive properties on which respondent uses its mark prior to respondent's application for registration. It is unnecessary to review this testimony in detail. No specific sales are established, and while the label was undoubtedly adopted and used in connection with various union activities prior to any use by respondent, there is no showing that it was affixed to any specific goods which were sold prior to that date.

Even, however, if it were to be assumed for the purpose of argument that prior to respondent's registration, petitioner's union label may have been affixed to some merchandise resembling that for which respondent has obtained registration, it is my opinion that the respondent's trade-mark and petitioner's union label are so different in appearance, use and purpose as to eliminate any reasonable likelihood of confusion. According to petitioner's brief its label serves to identify workmanship of union members. It has been used and was registered as a collective mark. The only similarity between the respondent's mark and the petitioner's union label lies in the common use of the word "International" in conjunction with the word "Electrical" by petitioner and the word "Electric" by the respondent. These words do not appear side by side in petitioner's label, "International" being used in connection with "Brotherhood" and "Electrical" in connection with the word "workers." It would seem clear that even to a superficial observer, respondent's mark consists of its corporate name and is used to identify merchandise manufactured by it, while petitioner's label functions exclusively to signify that merchandise manufactured and sold by others was made by members of the union. Neither "International" nor "Electrical" are emphasized particularly and appear only as relatively small parts of petitioner's label. Any doubt as to the significance of the emblem is removed by the prominent statement that it is affiliated with the American Federation of Labor and the remaining language of the label. It is of course true that a newcomer cannot adopt an essential portion of a mark formerly used by others and by adding or removing portions thereof avoid likelihood of confusion. *Carmel Wine Co.* v. *California Winery*, 38 App. D. C. 1, 1912 C. D. 428. In my opinion, the fact that the words "International" and "Electrical" appearing as part of the rather lengthy name of petitioner's organization and accompanying the other features referred to is entirely insufficient to justify a finding that use of the words "International Electric" as part of the trade-mark for electrical products might lead to confusion.

The questions to be considered under the name clause appear to be the same as those arising under the confusion-in-trade clause, and are accordingly disposed of by the foregoing comments.

In its brief on appeal, petitioner refers to certain registrations of the same mark in the State of New York as evidence of use. Under the laws of the State of New York, labels and marks may be registered without any allegations that they were actually in use and are entirely without evidentiary value.

The decision of the Examiner of Interferences is affirmed.

A. Arnold Brand v. *Fairchester Packing Co.*, 171 Ms. D. 666, 84 USPQ 97 (Jan. 10, 1950), Cancellation No. 5066. A trade-mark registered under the act of 1920 and showing the words "ARNOLD BRAND" in conjunction with a seal and the words "THE SEAL OF QUALITY" below the representation of the seal, registered for fresh tomatoes, should not be canceled on the ground that the words "ARNOLD BRAND" are the name of a particular living individual, i. e., the petitioner.

DANIELS, *Assistant Commissioner:*

This is an appeal from the decision of the Examiner of Trade-Mark Interferences dismissing a petition for cancellation of Trade-Mark Registration No. 429,475, registered April 29, 1947, under the Trade-Mark Act of March 19, 1920, for fresh tomatoes.

The mark shown in the registration sought to be canceled consists of a representation of a seal upon which appear the words "ARNOLD BRAND." Below the representation of the seal are the words, "THE SEAL OF QUALITY," and respondent's firm name.

The petition for cancellation alleges that respondent was not entitled to the registration of the mark shown, since it includes the petitioner's name. It is alleged that the petitioner is an attorney, generally known as Arnold Brand; that he specializes in patent and trade-mark matters; that he is admitted to the bar of various courts and to practice before the Patent Office; that he participates in various civic and educational activities, and is a member of a number of societies or organizations; that through such activities his name has become known and is included, not only in the usual directories, but in the lists of members of various societies and organizations and in various publications devoted to furnishing information as to persons of prominence in various localities or lines of endeavor. By failure to object or respond to requests for admissions, the respondent has admitted these allegations, and no question is raised but that petitioner is well known in connection with such activities.

Accepting these facts, the Examiner of Interferences has held that "it does not appear from the record presented that petitioner is engaged in any business involving the sale of any product, much less fresh tomatoes," and that "accordingly the petitioner has failed to establish that he would be injured" by the registration sought to be canceled.

By petition for reconsideration, the petitioner contended that the matter should be considered under the provisions of the act of 1946, rather than the act of 1920. This petition was denied, the Examiner of Interferences indicating that the act of 1920 applies. On this appeal, petitioner contends that the matter should be considered under the act of 1946, but that whether considered under that act or the act of 1920, the inclusion of a name of any living individual in a trade-mark registration is im-

proper and subject to cancellation by the individual bearing that name without any proof of damage.

This proceeding was filed prior to the effective date of the Trade-Mark Act of 1946. Under section 46(*a*) of that act, it is provided that its coming into effect shall not affect any proceeding "then pending." With respect to the necessity of proving damage to petitioner, however, it is unnecessary to determine whether this proceeding is governed by the act of 1946 or the act of 1920. By the terms of section 46(*b*) of the act of 1946, subsisting registrations under the act of 1920 are subject to and entitled to the benefits of the provisions of the new act relating to marks registered on the Supplemental Register. If considered under the act of 1946, therefore, section 24 would apply. With respect to damage, section 2 of the act of 1920 and section 24 of the act of 1946, the provisions of the respective acts relating to cancellation of registrations, are, in effect, identical. Each requires that the petitioner show that he would be injured or damaged. *McKesson & Robbins, Inc.* v. *Centaur Co.*, 156 Ms. D. 576, 8 USPQ 217; *Kellogg Company* v. *National Biscuit Company*, 544 O. G. 695, 55 USPQ 213 (petition for rehearing, 546 O. G. 604, 55 USPQ 487).

I agree with the conclusion of the Examiner of Interferences that the record does not show that petitioner is engaged in any business involving the sale of any products, and certainly not any business involving fresh tomatoes, or goods of similar descriptive properties, and that accordingly he has failed to establish that he would be injured or damaged. *Certain-Teed Products Corporation* v. *Clark*, 1925 C. D. 57, 337 O. G. 476; *Servel, Inc.* v. *Universal Slide Fastener Company, Inc.*, 551 O. G. 738, 57 USPQ 330; *Technicolor, Inc., et al.* v. *Koh-I-Noor Bleistiftfabrik L. & C. Hardmuth*, 507 O. G. 1044, 43 USPQ 17.

While the foregoing may be sufficient to dispose of this case, the petitioner contends that, under the act of 1946, the registration of the name of any living individual without his written consent is prohibited, and that any mark including such a name was improperly registered and such trade-mark should be canceled. It is further contended by petitioner that the importance of this matter to petitioner requires that it be considered without regard to the determination of the question of damage. While perhaps unnecessary, it should be noted that section 2(*c*) of the Trade-Mark Act of 1946 (made applicable to marks registered on the Supplemental Register by section 26 thereof) provides that:

> "No trade-mark • • • shall be refused registration on the Principal Register on account of its nature unless it • • • (*c*) Consists of or comprises a name • • • identifying a particular living individual • • •."

In the registration sought to be canceled, the word "BRAND" appears to be used in the sense of "trade-mark." The common usage of this word in that connection requires no discussion and the fact that the registered mark contains the word "BRAND" used with the word "ARNOLD" in that sense does not, in my opinion, signify that it is the name of any individual, much less that it identifies any particular living individual. There is clearly nothing in the record to indicate that the registration sought to be canceled identifies petitioner with the tomato business, nor to indicate that the use of this mark would lead the public to believe that he was connected therewith. The only suggestion of such connection is contained in an allegation that upon the publication of respondent's mark in the OFFICIAL GAZETTE of the United States Patent Office, petitioner was telephoned by one or more persons asking if he had gone into the vegetable business. I do not understand petitioner to question that this was intended to be a jocular comment by a member of the patent bar, and without questioning the occurrence of the statement, cannot accept it as indicating that the mark identified the petitioner.

Considered under the act of 1920, the same conclusions would be reached. The registration of a name of an individual was not permitted under the act of 1905, but such marks when refused registration under the act of 1905, and even after opposition proceedings, were permitted registration under the act of 1920, since the name clause of the act of 1905 did not apply to registration under the act of 1920. Thus under the act of 1920, or the act of 1946, the mark must be regarded as signifying the "ARNOLD" brand of tomatoes, and nothing is presented to connect it with petitioner.

A number of the cases cited by petitioner were decided under the act of 1905, and are not considered pertinent to the question involved which would be controlled by either section 2 of the act of 1920 or section 24 of the act of 1946. While various other questions are raised by petitioner and it is stated that they present questions of importance which should be decided, they are considered subordinate and collateral to the foregoing.

The decision of the Examiner of Interferences is affirmed.

The Toni Company v. *Frank Di Orio; Frank Di Orio* v. *The Toni Company*, 171 Ms. D. 669, 84 USPQ 95 (Jan. 10, 1950), Cancellations Nos. 5015 and 5137. The registered trade-mark "toni" for permanent waves held not subject to cancellation on the ground of its being merely the name of an individual. Held further that the registered mark "Tone-Oil" for "liquefied cream for permanent waving" should be canceled.

DANIELS, *Assistant Commissioner:*

These are cancellation proceedings submitted upon the same record and briefs and disposed of by the Examiner of Trade-Mark Interferences in a single decision.

In cancellation No. 5105, The Toni Company, hereinafter referred to as petitioner, requests cancellation of Registration No. 429,523, registered April 29, 1947, by Frank Di Orio, hereinafter referred to as respondent, under the Trade-Mark Act of March 19, 1920. The mark disclosed in that registration comprises the word "Tone-Oil" for "liquified cream for permanent waving."

The petition for cancellation alleges petitioner's prior use and ownership of the trade-mark "toni" for "home permanent waving kit consisting of curlers, cold wave waving lotion, and neutralizer powder used in permanent waving of the hair," and sets up petitioner's ownership of several registrations of that mark under the Trade-Mark Act of 1905 for permanent waving products which include the products listed above. It is alleged that the mark sought to be canceled is applied to goods of the same descriptive properties as the products upon which petitioner has used its mark, and that the marks resemble each other to such an extent that confusion in trade is likely.

Cancellation No. 5137 requests cancellation of petitioner's registration of the word "toni," No. 428,681, registered under the act of 1905, April 1, 1947, for "hair waving lotion and neutralizer," it being alleged that "toni" consists of a surname not distinctively displayed and that it was therefore improperly registered under that act.

At final hearing, the Examiner considered a motion by respondent, entitled in each proceeding, to amend his answer in the one case and his petition in the other, by inserting allegations as to his prior use of the trade-marks "PINA-TONIC" and "PINA TONOL" since a date prior to any date of use claimed by petitioner.

The Examiner of Trade-Mark Interferences has sustained the petitioner's petition for cancellation of respondent's registration of "Tone-Oil," No. 429,523, and has dismissed respondent's petition No. 5137, for cancellation of petitioner's registration under the Trade-Mark Act of 1905 above identified; he also denied the motion to amend the petition and answer of respondent in the two proceedings. The notice of appeal sets up 16 numbered grounds of appeal, two of which are referred to in the brief filed herein. If I correctly understand the contentions set out in the brief, the respondent relies primarily upon the alleged error of the Examiner of Interferences in denying the motion to amend and in holding that respondent's trade-marks "PINA-TONIC" and "PINA TONOL" differ substantially from respondent's trade-mark and that they are not the legal equivalents of the trade-mark "Tone-Oil." It is further argued that the petition for cancellation should not have been sustained and apparently that the respondent's petition for cancellation should have been. To the extent that I may have misunderstood the respondent's contentions on this appeal and he may rely upon any of the other errors assigned, it is my opinion that any such additional points not considered specifically herein are adequately and correctly disposed of in the decision of the Examiner of Trade-Mark Interferences.

The testimony of respondent indicates that prior to its first use of the word "TONE-OIL" as applied to his permanent waving cream, he had successively used the words "PINA-TONIC" and "PINA TONOL" on a similar preparation. It is argued by respondent that "PINA-TONIC" and "PINA TONOL" and "Tone-Oil" are "slight variations" of the same mark which were used consecutively. That these are not minor variations of the same mark seems apparent from examination thereof, and they cannot be considered to be the legal equivalents of each other. *E-Z Mills, Inc.* v. *Martin Brothers Co.*, 25 CCPA 992, 95 F.2d 269; *Botany Worsted Mills* v. *M. & W. Thomas Corp.*, 569 O. G. 538, 63 USPQ 302; *Ostrex Company, Inc.* v. *Euromerica Medical Products, Inc.*, 499 O. G. 792, 40 USPQ 297. Further, as found by the Examiner of Interferences, the use of the first two words was abandoned prior to the institution of these proceedings, and accordingly could not be relied upon by respondent in his own petition for cancellation. *Old Monk Olive Oil Co.* v. *Southwestern Coca-Cola Bottling Co.*, 28 CCPA 1091, 118 F.2d 1013, and *Model Brassiere Co.* v. *Bromley-Shepard Co.*, 18 CCPA 1294, 49 F.2d 482. Nor does the respondent's petition for cancellation of registration No. 428,681, nor the proposed amendment thereto allege similarity between the additional words now sought to be set up and the mark of petitioner. I accordingly agree with the Examiner of Interferences that the amendment sought "could obviously serve no useful purpose."

With respect to the petitioner's claim for cancellation, its use of the mark at least as early as July, 1944, is established by uncontradicted testimony and by documentary evidence. Such use is prior to any date of use of "TONE-OIL" by the respondent. The word "Oil" forming part of respondent's mark as registered is manifestly a generic term as applied to the goods here involved and to the extent that it may have any significance, the word "tone" must necessarily be the portion of the mark upon which purchasers would rely in identifying such goods. The resemblance between these marks appears obvious, and I agree with the conclusion of the Examiner of Trade-Mark Interferences that their concurrent use upon permanent wave material would be quite likely to result in confusion in trade.

With respect to the respondent's petition for cancellation of petitioner's registration, the Examiner of Interferences has found that the respondent's evidence does not support its contention that "toni" is merely the name of an individual, and that respondent would not, in any event, be injured thereby, since "TONI" is not his name and his use of "Tone" is subsequent to petitioner's use of its mark. I agree with the Examiner of Interferences that no injury or damage to respondent will result from the continuance of petitioner's registration.

The decision of the Examiner of Interferences is affirmed.

In the following cases, the opposition was sustained by DANIELS, *Assistant Commissioner.*

Parfumerie De Raymond v. *Lactona Incorporated*, 171 Ms. D. 657, 84 USPQ 50 (Jan. 5, 1950), Opposition No. 27,464. The notation "Starlite" for "hair brushes and hair brush handles" held unregistrable under act of 1905 in view of opposer's registered mark "SPARKELITE" for "hair brushes" under the same act.

Fashion Park, Inc. v. *Goodall-Sanford, Inc.*, 171 Ms. D. 680, 84 USPQ 140 (Jan. 19, 1950), Opposition No. 27,208. The notation "PRO-SLAK" held unregistrable as a trade-mark under act of 1905 for

"water-repellent, coated piece goods of mohair, wool, silk, etc." in view of opposer's registered trade-mark "PAR-SLAK" under the same act for "coats, vests, pants, and overcoats for men and boys."

The FR Corporation v. *J. H. Lewis, Inc.*, 171 Ms. D. 682, 84 USPQ 139, (Jan. 19, 1950), Opposition No. 27,198. The word "SKOOT" held unregistrable under act of 1905 for "waterless cleaner for the hands" in view of opposer's prior use and ownership of the trade-mark "SCOOP" for "detergent soap powder" and "a soapless detergent" under the same act.

Carnac, Inc. v. *Kanmak Textiles Inc.*, 171 Ms. D. 686, 84 USPQ 141, (Jan. 20, 1950), Opposition No. 26,872. The word "Kanmak" as a trade-mark for "piece goods of wool, cotton, rayon, flax and nylon" under act of 1905 held unregistrable in view of opposer's ownership and prior use of the trade-mark "CARNAC" for "cotton piece goods."

Lehn & Fink Products Corporation v. *Abe Ney*, 171 Ms. D. 690, 84 USPQ 197, (Jan. 26, 1950), Opposition No. 26,962. The word "Neyso" as a trade-mark for "a skin ointment for pimples, eczema, itch, skin rash, chafing, athlete's foot, and insect bites," held unregistrable under act of 1905 in view of opposer's registered mark "Lysol" under the same act for a "preparation recommended for germicidal, bactericidal, bacteriostatis, disinfectant, antiseptic, microbicidal and other parasiticidal purposes; * * *"

In the following case the opposition was dismissed by DANIELS, *Assistant Commissioner.*

Wyeth Incorporated v. *Jeffreys Laboratories, Incorporated*, 171 Ms. D. 647, 84 USPQ 45 (Jan. 3, 1950), Opposition No. 27,354. The word "LIQUEZYME" for "bacterial enzyme material . . ." held registrable under act of 1905 over opposer's registered mark "LIQUENZYME" as applied to "an elixir of the digestive ferments" on the ground that the goods involved are dissimilar and are not likely to cause confusion of the public.

In the following case cancellation was sustained by DANIELS, *Assistant Commissioner.*

Shrage & Pines v. *Kaylon, Inc.*, 171 Ms. D. 673, 84 USPQ 94 (Jan. 10, 1950), Cancellation No. 4898. The mark "Tommie Tuckins" registered under the act of 1905 for "women's pajamas" held subject to cancellation in view of petitioner's prior use and registration under the same act of the trade-mark "TOMMY TUCKER" as applied to "boys' shirts and blouses."

The following marks were held unregistrable on appeal from the Examiner of Trade-Marks by DANIELS, *Assistant Commissioner.*

Ex parte Eutectic Welding Alloys Corporation, 171 Ms. D. 645, 84 USPQ 44 (Jan. 3, 1950). Application to register the notation "LowTemp" under the act of 1946 for "alloys in various forms suitable for welding, brazing, soldering and hard surfacing operations," denied on the ground that the mark "when applied to the goods of the applicant is merely descriptive or deceptively misdescriptive of them * * *"

Ex parte Peerless of America, Inc., 171 Ms. D. 676, 84 USPQ 99 (Jan. 11, 1950). The notation "Air Beam," the word "Air" being disclaimed, as a trade-mark for "electric air circulating fans," held unregistrable under 1905 act in view of a prior registration of the word "Sunbeam" for a wide variety of electrical appliances, including fans, under the same act.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 28, 1950

[VOL. 631. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 496,226. ELLIS PAINT COMPANY, Long Beach, Calif. Filed Feb. 8, 1946.

SYN-LUX

FOR SYNTHETIC ENAMELS, VARNISHES, READY-MIXED PAINTS, FOR BRUSH, SPRAY, AND DIP APPLICATION.

Claims use since Jan. 6, 1946.

CLASS 19

VEHICLES

Ser. No. 522,429. JOSEPH MRHAR, doing business as Elyria Auto Sales, Cleveland, Ohio. Filed May 15, 1947.

KANDU

FOR WHEELED UTILITY TRAILERS, AND REPLACEMENT PARTS THEREFOR.

Claims use since Apr. 3, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 521,438. DAVE COOK SPORTING GOODS CO., Denver, Colo. Filed Apr. 28, 1947.

SPEED BARB

No claim is made to the word "Barb" apart from its use in the present mark.

FOR FISHING HOOKS.

Claims use since 1931.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 508,608. AUDIE ROSS PATRICK, Kansas City, Mo. Filed Sept. 6, 1946.

Hydra Lock

The word "Lock" is disclaimed apart from the mark shown.

FOR MANUALLY OPERATED VALVE FOR APPLICATION AND RELEASE OF BRAKES ON VEHICLES.

Claims use since Aug. 26, 1946.

Ser. No. 513,225. HUBERT A. TINTES, doing business as West Fargo Manufacturing Co., West Fargo, N. Dak., assignor to West Fargo Manufacturing Co., West Fargo, N. Dak., a corporation of North Dakota. Filed Nov. 25, 1946.

WESTGO

FOR SELF CONTAINED ENGINE DRIVEN PORTABLE GRAIN ELEVATORS AND CROP AND MANURE LOADERS, SWEEP RAKES ADAPTED TO BE CARRIED BY AND ACTUATED BY TRACTORS, AND POWER OPERATED PORTABLE WAGON HOISTS.

Claims use since Aug. 19, 1946.

Ser. No. 525,287. BEARINGS COMPANY OF AMERICA, Lancaster, Pa. Filed July 1, 1947.

BCA

FOR RADIAL BALL BEARINGS OF THE LISTED DIFFERENT TYPES: SINGLE ROW BALL BEAR-

INGS—CONRAD TYPE; SINGLE ROW BALL BEARINGS—MAXIMUM TYPE; SINGLE ROW BALL BEARINGS—WITH SHIELD; SINGLE ROW BALL BEARINGS—WITH SNAP RING; SINGLE ROW BALL BEARINGS—WITH WIDE INNER RING; SINGLE ROW BALL BEARINGS—WITH SEALS; SINGLE ROW BALL BEARINGS—WITH WIDE INNER RING AND SINGLE LABYRINTH SEAL; SINGLE ROW BALL BEARINGS—WITH EXTENDED INNER RING AND SET SCREW TYPE; SINGLE ROW—ANGULAR CONTACT—BALL BEARINGS; DOUBLE ROW BALL BEARINGS; CLUTCH RELEASE BALL BEARINGS OF THE LISTED SEVERAL TYPES: ANGULAR CONTACT TYPE; THRUST TYPE; THRUST TYPE—PRELUBRICATED; THRUST TYPE BALL BEARINGS OF THE DIFFERENT TYPES: THRUST BALL BEARING—ONE DIRECTION—FLAT SEAT; THRUST BALL BEARING—ONE DIRECTION—SELF-ALIGNING; TRANSMISSION LINE BALL BEARING UNITS OF THE TYPES: PILLOW BLOCKS; FLANGE UNITS; BALL BEARING RETAINERS OF THE TYPES: STAR BALL RETAINER; MAGNETO BALL RETAINER; THRUST BALL RETAINER.

Claims use since January 1935.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 500,042. ALLIED PRODUCTS CORPORATION, Salt Lake City, Utah. Filed Apr. 12, 1946.

NORTHLAND

FOR REFRIGERATORS OPERATED BY MECHANICAL, ELECTRICAL, AND FLUID FUEL MEANS—NAMELY, DOMESTIC AND COMMERCIAL REFRIGERATORS, REFRIGERATORS FOR THE STORING OF FOOD IN LOW-TEMPERATURE CONDITIONS, REFRIGERATOR CABINETS, AND PARTS OF THE FOREGOING.

Claims use since Dec. 18, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 525,857. JACKSON FURNITURE COMPANY, Oakland, Calif. Filed July 3, 1947. Under 10-year proviso.

JACKSON FURNITURE CO.

FOR HOME FURNITURE AND FURNISHINGS—NAMELY, BEDROOM, DINING ROOM, WOOD AND UPHOLSTERED FURNITURE, DIVANS, BED SPRINGS, MATTRESSES; SUMMER OR OUTDOOR FURNITURE—NAMELY, CHAIRS, TABLES; JUVENILE AND INFANT FURNITURE; MIRRORS; AND DESKS.

Claims use since July 1892.

CLASS 37

PAPER AND STATIONERY

Ser. No. 503,972. CURTIS 1000 INC., Hartford, Conn. Filed June 15, 1946.

POLAR WHITE

The word "White" is disclaimed.

FOR CORRESPONDENCE ENVELOPES OF PAPER.

Claims use since May 27, 1946.

CLASS 39

CLOTHING

Ser. No. 499,932. J. M. WOOD MANUFACTURING COMPANY, INC., Waco, Tex. Filed Apr. 9, 1946.

Wood OF TEXAS

The words "Of Texas" are disclaimed apart from the mark shown.

FOR ONE-PIECE WORK SUITS, SHIRTS AND PANTS AND SPORTSWEAR—NAMELY, SPORT SHIRTS, SLACK PANTS, AND WESTERN TYPE PANTS AND SHIRTS FOR MEN, WOMEN, AND CHILDREN; AND JUVENILE GARMENTS—NAMELY, SPORT SHIRTS, WESTERN TYPE SHIRTS, DRESS PANTS, DUNGAREES, CORDUROY JACKETS AND PANTS.

Claims use since Dec. 1, 1945.

Ser. No. 502,447. MEISTER BROTHERS, Cleveland, Ohio. Filed May 20, 1946.

PopJackets

The word "Jackets" is disclaimed.

FOR JUNIORS' AND MISSES' JACKETS.

Claims use since Apr. 12, 1946.

Ser. No. 513,956. U. S. KNITWEAR COMPANY, INC., Baltimore, Md. Filed Dec. 9, 1946.

Olive RED SAILS

The word "Olive" is disclaimed apart from the mark as shown.

FOR WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, BATHING SUITS, SWIMMING TRUNKS, BEACH ROBES, SPORT SHIRTS, SLACKS, SPORT JACKETS, AND SWEATERS.

Claims use since Nov. 20, 1946.

Ser. No. 521,165. EVERT H. YOUNG, doing business as Eve Young, San Mateo, Calif. Filed Apr. 22, 1947.

Frankly Forty

The word "Forty" is disclaimed apart from the mark as shown.

FOR WOMEN'S INTIMATE WEARING APPAREL—NAMELY, NIGHTGOWNS, HOUSECOATS, PAJAMAS, CORSETS, HOSIERY, PANTIES, SLIPS, AND BRAS.

Claims use since Mar. 1, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 519,701. ST. JOHN & Co., Chicago, Ill. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Jan. 29, 1949. (Sec. 2f.)

ST. JOHN

FOR CATCH BASINS, SPICE BINS, WELDED STEEL CANS, PAILS AND BUCKETS, SAUSAGE AND MEAT COOKING TANKS.

Claims use since Jan. 8, 1944.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 541,771. O-CEDAR CORP'N, Chicago, Ill. Filed July 26, 1947. (Sec. 2f.)

O-SO-EZY

Applicant claims ownership of Registration No. 379,515.

FOR POLISHES AND WAXES FOR POLISHING FURNITURE, WALLS, FLOORS, AND AUTOMOBILES.

Claims use since Sept. 30, 1913.

Ser. No. 548,790. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Feb. 5, 1948. (Sec. 2f.)

NAIRN

Applicant claims ownership of Registrations Nos. 105,920, 369,235, 334,121, 381,696, 381,813, and 428,522.

FOR WAX PREPARATIONS FOR POLISHING FLOOR SURFACES OF ALL KINDS.

Claims use since Mar. 3, 1939.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 531,217. KLEENAIRE KEMIKILS, INC., Detroit, Mich. Filed Aug. 13, 1947.

KLEENAIRE KEMIKILS

The word "Kemikils" is disclaimed.
FOR PRESSED CAKE OF PARADICHLORO BENZENE.
Claims use since Nov. 11, 1931.

Ser. No. 552,858. INDUSTRIAL SOAP COMPANY, St. Louis, Mo. Filed Mar. 24, 1948.

WINCIDE

FOR DISINFECTANTS, BACTERICIDES, SURGICAL DISINFECTANTS, AND MOTH SPRAYS.
Claims use since Feb. 27, 1945.

Ser. No. 557,873. ELBERT O. SOWERWINE, JR., doing business as Chemspecs Laboratory, Cranford, N. J. Filed May 26, 1948.

MIL-DONT

FOR PREPARATION INTENDED TO BE MIXED WITH WATER AND APPLIED TO SURFACES FOR THE PURPOSE OF PREVENTING FORMATION OR GROWTH OF MILDEW OR OTHER FUNGUS ORGANISMS.
Claims use since Dec. 22, 1947.

Ser. No. 557,985. DR. L. D. LE GEAR MEDICINE COMPANY, St. Louis, Mo. Filed May 5, 1948. (Sec. 2f.) (Classified in Class 18.)



The name and portrait is that of Dr. L. D. Le Gear, deceased. Applicant claims ownership of Registrations Nos. 293,263, 219,444, and 126,444.
FOR MEDICINAL PREPARATIONS USED IN THE TREATMENT OF DISEASES OF ANIMALS AND POULTRY—NAMELY, STOCK POWDER, A TONIC APPETIZER AND CONDITIONER FOR HORSES, CATTLE, SHEEP AND HOGS; ANTISEPTIC POWDER; HOG PRESCRIPTION—NAMELY, A TONIC CONDITIONER AND REGULATOR FOR HOGS; DIP AND DISINFECTANT; GALL SALVE; LINIMENT BLISTER—NAMELY, FOR TREATMENT OF SORENESS, LAMENESS, AND OTHER USES WHERE A BLISTER IS NEEDED; PREPARATIONS FOR THE ERADICATION OF SCREW WORMS; INSECT REPELLENT; POULTRY PRESCRIPTION—NAMELY, A TONIC AND CONDITIONER FOR POULTRY; LICE POWDER; INSECTICIDES—NAMELY, INSECT POWDER; POULTRY RED CAPS FOR TREATMENT OF WORMS IN POULTRY, POULTRY WORM POWDER; COW PRESCRIPTION—NAMELY, A TONIC AND APPETIZER FOR COWS, ANTISEPTIC OIL, AND FLATULENT COLIC MEDICINE; LOUSE POWDER CONTAINING DDT; UDDER OINTMENT—NAMELY, A SOOTHING AND MILD COUNTER-IRRITANT APPLICATION; CALF VITAMINS—NAMELY, FOR USE FOR A DEFICIENCY OF VITAMIN A AND NICOTINIC ACID; AA; POULTRY ANTISEPTIC TABLETS; POULTRY HOUSE INSECTICIDES; POULTRY INHALANT; DRY INSECTICIDE; ANIMAL AND BARN SPRAY CONTAINING DDT; PINK-EYE POWDER—NAMELY, A NON-IRRITATING ANTISEPTIC FOR THE CONTROL OF PINK-EYE IN LIVESTOCK; ANTI-PICK SALVE TO CONTROL CANNIBALISM OR PICKING IN POULTRY; PIG AND HOG CAPSULES FOR TREATMENT OF LARGE ROUND WORMS IN SWINE; HORSE AND MULE AND COLT CAPSULES FOR TREATMENT OF WORMS AND BOTS; FLEA AND TICK POWDER CONTAINING DDT FOR DOGS; MANGE MEDICINE FOR SARCOPTIC MANGE IN DOGS; 50% DDT WETTABLE POWDER; ASTRINGENT DRINKING WATER PREPARATION IN TABLET FORM FOR POULTRY; PREPARATION FOR KILLING WEEDS; AND RAT POISON.
Claims use since Oct. 15, 1918.

Ser. No. 558,768. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed June 9, 1948.

LATHANOL

FOR ALKALI SULFONATE FOR USE AS A SURFACE-ACTIVE COMPONENT IN THE MANUFACTURE OF DENTIFRICES AND OTHER TOILET PREPARATIONS.
Claims use since May 1, 1948.

Ser. No. 559,001. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed June 11, 1948. (Classified in Class 16.)



Applicant claims ownership of Registration No. 399,500.
FOR LACQUER, BOWLING ALLEY LACQUER, LACQUER THINNER, BOWLING ALLEY APPROACH FINISH IN THE NATURE OF A LACQUER, BOWLING ALLEY CONDITIONER IN THE NATURE OF AN OIL COATING COMPOSITION, AND BOWLING ALLEY BASE COAT IN THE NATURE OF A LACQUER.
Claims use since Apr. 11, 1946.

Ser. No. 560,974. CIBA LIMITED, Basel, Switzerland, Filed July 9, 1948.

FUMEXOL

Applicant claims ownership of Swiss Registration No. 122,528, dated Oct. 21, 1947.
FOR CHEMICAL PRODUCT FOR USE AS AN AUXILIARY AGENT IN THE TEXTILE INDUSTRY; AN ANTI-FOAMING AGENT.

Ser. No. 560,987. CIBA LIMITED, Basel, Switzerland. Filed July 9, 1948.

VIBATEX

Applicant claims ownership of Swiss Registration No. 120,141, dated Mar. 27, 1947.
FOR CHEMICAL PRODUCTS FOR USE AS TEXTILE AUXILIARY AGENTS; TANNING AGENTS.

Ser. No. 561,314. H. B. FRED KUHLS, Brooklyn, N. Y. Filed July 14, 1948. (Sec. 2f.)

KUHLS

FOR PRESERVATIVE—NAMELY, A FUNGISTATIC AND INSECTICIDAL FOR THE CONTROL OF DECAY, BLUE AND BLACK STAIN, MOULD, MILDEW, AND INSECTS IN WOOD.
Claims use since 1890.

Ser. No. 561,849. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed July 21, 1948.

FERROJET

FOR ADJUVANT MATERIAL COMPOSED ESSENTIALLY OF METAL, SUCH AS IRON IN POWDER FORM FOR USE IN THERMOCHEMICAL OXY-FUEL CUTTING APPARATUS AND THERMOCHEMICAL METAL-REMOVING OPERATIONS.
Claims use since October 1947.

Ser. No. 562,103. UNION STARCH & REFINING COMPANY, Columbus, Ind. Filed July 23, 1948.

TREZEIN

FOR WATER-SOLUBLE PROTEIN HYDROLYSIS PRODUCTS USEFUL FOR ADHESIVES AND FOR INCORPORATING WITH LEATHER.
Claims use since Oct. 24, 1946.

Ser. No. 565,201. JOHN E. PATERSON, doing business as Paterson Plastics Co., Mobile, Ala. Filed Sept. 15, 1948.

XYLITE

FOR THERMOSETTING SYNTHETIC PLASTIC INCLUDING AS AN ESSENTIAL INGREDIENT FORMALDEHYDE — ETHYLENE DICHLORIDE — UREA — TREATED DISINTEGRATED WOOD, CHARACTERIZED BY SAID TREATED WOOD IMPARTING GOOD PLASTIC QUALITIES AND ONLY NEGLIGIBLE FILLER QUALITIES TO SAID PLASTIC, FOR USE IN THE MANUFACTURE OF ARTICLES THAT ARE APT TO BE SUBJECTED TO CONSIDERABLE STRAIN; AND, PLASTICIZERS TO BE ADDED TO SAID THERMOSETTING SYNTHETIC PLASTIC TO IMPART SOFTNESS AND FLEXIBILITY THERETO.
Claims use since January 1942.

Ser. No. 567,783. HENGAR COMPANY, Philadelphia, Pa. Filed Oct. 28, 1948. (Sec. 2f.)

AITCH-TU-ESS

FOR COMPOUND FOR THE PRODUCTION OF HYDROGEN SULFIDE GAS FOR LABORATORY USE.
Claims use since July 1925.

Ser. No. 568,002. PATEK AND CO., San Francisco, Calif. Filed Nov. 1, 1948.

PLEX

FOR COMBINATION OF ENZYMES USED TO CONVERT INSOLUBLE STARCHES AND PROTEINS WHICH ARE COMMONLY FOUND AS STAINS OR USED AS SIZING IN TEXTILES TO A SOLUBLE FORM TO FACILITATE THEIR REMOVAL FROM FABRICS IN SPOTTING OR BATH DIGESTION IN DRY CLEANING OPERATIONS.
Claims use since Aug. 18, 1948.

Ser. No. 570,081. ANSUL CHEMICAL COMPANY, Marinette, Wis. Filed Dec. 7, 1948.

Sulfur Dioxide BY ANSUL

The words "Sulfur Dioxide By" are disclaimed. Applicant claims ownership of Registrations Nos. 294,814 and 402,775.

FOR LIQUID SULFUR DIOXIDE.

Claims use since Nov. 12, 1948.

Ser. No. 570,082. ANSUL CHEMICAL COMPANY, Marinette, Wis. Filed Dec. 7, 1948.

Methyl Chloride BY ANSUL

The words "Methyl Chloride By" are disclaimed. Applicant claims ownership of Registrations Nos. 294,814 and 402,775.

FOR LIQUID METHYL CHLORIDE.

Claims use since Nov. 12, 1948.

Ser. No. 570,149. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed Dec. 8, 1948.

503

FOR NORMALLY LIQUID PHTHALIC ACID ESTER PRODUCT FOR USE AS A PLASTICIZER AND RESIN COMPOUNDING MATERIAL AND AS AN ANTI-FOAMING AGENT.

Claims use since July 25, 1947.

Ser. No. 570,719. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 17, 1948.

PENFLUOR

FOR INSECTICIDES.

Claims use since Oct. 14, 1948.

Ser. No. 571,951. CIBA LIMITED, Basel, Switzerland. Filed Jan. 11, 1949.

INVADINE

Applicant claims ownership of Swiss Registration No. 126,260, dated Sept. 14, 1948, and United States Registration No. 283,633.

FOR CHEMICAL SUBSTANCE FOR USE AS EMULSIFYING AGENT AND SOLVENT AND FOR FACILITATING THE WETTING OF TEXTILE MATERIALS.

Ser. No. 571,953. CIBA LIMITED, Basel Switzerland. Filed Jan. 11, 1949.

PYROGENE

Applicant claims ownership of Switzerland Registration No. 126,264, dated Sept. 14, 1948.

FOR COAL-TAR COLORS.

Ser. No. 571,954. CIBA LIMITED, Basel, Switzerland. Filed Jan. 11, 1949.

ROSANTHRENE

Applicant claims ownership of Swiss Registration No. 125,689, dated July 20, 1948, and United States Registration No. 101,429.

FOR COAL-TAR COLORS.

Ser. No. 571,956. DALY-HERRING COMPANY, Kinston, N. C. Filed Jan. 11, 1949.

Dee Aitch

Applicant claims ownership of Registration No. 501,914.

FOR INSECTICIDES, FUNGICIDES AND HERBICIDES FOR AGRICULTURAL USE AND FOR RODENTICIDES FOR AGRICULTURAL AND HOUSEHOLD USE.

Claims use since February 1947.

Ser. No. 572,311. MACDERMID INCORPORATED, Waterbury, Conn. Filed Jan. 17, 1949. (Classified in Class 52.)

METEX

The vertical lining indicates red.

FOR CHEMICALS FOR CLEANING METALS CONSISTING OF A MATERIAL CONTAINING POTASH, SODIUM HYDRATE, SODIUM SILICATE, SODIUM ALUMINATE AND SOAP, AND CHEMICALS FOR CLEANING TEXTILES CONSISTING OF A MATERIAL SIMILAR TO THE ABOVE BUT WITH THE SODIUM HYDRATE OMITTED, AND IN ADDITION LIQUID COMPOUNDS USED IN AND INCIDENTAL TO METAL FINISHING OPERATIONS FOR BRIGHTENING THE BASE METAL PREPARATORY TO ELECTROPLATING AND THE APPLICATION OF OTHER SURFACE COATINGS.

Claims use since Aug. 3, 1922.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 564,342. PARIS DECORATORS CORP., New York, N. Y. Filed Aug. 28, 1948. (Sec. 2f.)

Paris

FOR ASH TRAYS, CIGARETTE BOXES, AND SMOKING SETS CONSISTING OF A MATCHING CIGARETTE OR CIGAR BOX AND AN ASH TRAY.

Claims use since Nov. 13, 1926.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 571,032. LINCOLN PAPER COMPANY, Chicago, Ill. Filed Dec. 23, 1948.

TOPLINE

FOR HECTOGRAPH CARBON PAPER AND DUPLICATING UNITS COMPRISING A PLURALITY OF PAPER SHEETS SECURED TOGETHER, ONE OF WHICH SHEETS IS ADAPTED TO BE USED AS A MASTER SHEET IN DUPLICATING PROCESSES AND ANOTHER OF SAID SHEETS BEING PROVIDED WITH A HECTOGRAPH CARBON COATING.

Claims use since Nov. 29, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 566,866. FIR DOOR INSTITUTE, Tacoma, Wash. Filed Oct. 12, 1948. COLLECTIVE MARK.

FDI·°A

FOR FIR DOORS.

Claims use since Sept. 20, 1938.

Ser. No. 566,867. FIR DOOR INSTITUTE, Tacoma, Wash. Filed Oct. 12, 1948. COLLECTIVE MARK.

FDI·°B

FOR FIR DOORS.

Claims use since Sept. 20, 1938.

Ser. No. 566,868. FIR DOOR INSTITUTE, Tacoma, Wash. Filed Oct. 12, 1948. COLLECTIVE MARK.

FDI·°BP

FOR FIR DOORS.

Claims use since Sept. 20, 1938.

Ser. No. 566,869. FIR DOOR INSTITUTE, Tacoma, Wash. Filed Oct. 12, 1948. COLLECTIVE MARK.

FDI·°C

FOR FIR DOORS.

Claims use since Sept. 20, 1938.

Ser. No. 566,870. FIR DOOR INSTITUTE, Tacoma, Wash. Filed Oct. 12, 1948. COLLECTIVE MARK.

FDI·°MR

FOR FIR DOORS.

Claims use since Sept. 20, 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 544,530. BACHARACH, INC., New York, N. Y., and elsewhere in the United States. Filed Dec. 17, 1947.

CUPOLATOR

FOR DRIP COFFEE MAKERS.

Claims use since Sept. 9, 1947.

Ser. No. 556,708. THE FLETCHER ENAMEL COMPANY, Dunbar, W. Va. Filed Jan. 14, 1948. (Sec. 2f.)

ROASTWELL

Applicant claims ownership of Registration No. 394,501.
FOR BASE METAL ROASTERS.
Claims use since July 15, 1940.

Ser. No. 571,555. JENKINS BROS., Bridgeport, Conn., and New York, N. Y. Filed Jan. 3, 1949.

SELCLO

Applicant claims ownership of Registration No. 117,154.
FOR SPRING LOADED REVERSE ACTION GLOBE VALVES FOR STEAM, OIL, WATER, GAS, AND OTHER FLUID CONDUCTING INSTALLATIONS.
Claims use since Jan. 18, 1917.

Ser. No. 577,853. ALUMINUM GOODS MANUFACTURING COMPANY, Manitowoc, Wis. Filed Apr. 28, 1949. (Sec. 2f.)

Worthmore

FOR ALUMINUM WARE—NAMELY, TEA KETTLES, DRIP COFFEE MAKERS, PERCOLATORS, SAUCE PANS, DOUBLE BOILERS, FRY PANS, TEA POTS, SAUCE POTS, ROASTERS, FRENCH FRYERS, GRIDDLES, ROASTING PANS, CAKE PANS, PIE PANS, POACHERS, BREAD PANS, COOKY SHEETS, COLANDERS, DISH PANS, AND STEAMERS.
Claims use since Mar. 1, 1937.

Ser. No. 578,062. UNIVERSAL-RUNDLE CORPORATION, New Castle, Pa. Filed Apr. 30, 1949.



FOR LAVATORIES, TOILET BOWLS, BATH TUBS, DRINKING FOUNTAINS, AND KITCHEN SINKS.
Claims use since Feb. 1, 1949.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 576,252. HUNTER DOUGLAS CORPORATION, New York, N. Y. Filed Mar. 29, 1949. CONCURRENT USE.

SUNFLEX

FOR METAL STOCK IN BOTH COIL AND FLAT FORM FROM WHICH VENETIAN BLIND SLATS ARE MADE.
Claims use since February 1949.

CLASS 15

OILS AND GREASES

Ser. No. 490,463. SOUTHWEST GREASE & OIL COMPANY, INC., Wichita, Kans. Original filed, act of 1905, Oct. 24, 1945; amended to application under act of 1946, Principal Register, Jan. 9, 1948. (Sec. 2f.)

TRAC-TR-LUBE

Applicant claims ownership of Registration No. 387,946.
FOR LUBRICANTS, MOTOR OILS, AND GREASES.
Claims use since Jan. 4, 1934.

Ser. No. 566,580. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa. Filed Oct. 7, 1948.

VALVOLINE X-15

Applicant claims ownership of Registrations Nos. 53,237, 56,816, 279,264, 321,886, and 379,535.
FOR LUBRICATING GREASES.
Claims use since Feb. 20, 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 537,925. MAAS & WALDSTEIN COMPANY, Newark, N. J. Filed Oct. 15, 1947.

ECO VAR

Applicant claims ownership of Registration No. 284,201.
FOR LACQUERS, AIR DRYING AND BAKING PAINT ENAMELS, AND VARNISHES.
Claims use since 1930.

Ser. No. 540,899. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 12, 1947.

DOMINO

FOR READY MIXED PAINTS SOLD IN LIQUID FORM, PAINT ENAMELS, VARNISHES, VARNISH STAINS, AND ROOF COATING PRIMARILY COMPOSED OF ASPHALT AND ASBESTOS FIBERS SOLD IN LIQUID FORM WHICH MAY BE APPLIED BY BRUSH TO A MINIMUM THICKNESS OF ONE-SIXTEENTH INCH.
Claims use since January 1931.

Ser. No. 544,276. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Dec. 13, 1947.

NITROLOID

FOR PAINT FINISHES IN THE FORM OF LIQUID LACQUER.
Claims use since Feb. 5, 1925.

Ser. No. 547,722. FRENCH-WOLF PAINT PRODUCTS CORP., Philadelphia, Pa. Filed Jan. 22, 1948. (Sec. 2f.)

HYDROIL

FOR OIL BASED WALL FINISH PAINT IN PASTE OR POWDER FORM.
Claims use since February 1943.

Ser. No. 552,732. ALSTON-LUCAS PAINT CO., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio. Filed Mar. 23, 1948.

MONITOR

FOR BARN AND ROOF PAINT.
Claims use since 1915.

Ser. No. 559,001. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed June 11, 1948.



Applicant claims ownership of Registration No. 399,500.
FOR LACQUER, BOWLING ALLEY LACQUER, LACQUER THINNER, BOWLING ALLEY APPROACH FINISH IN THE NATURE OF A LACQUER, BOWLING ALLEY CONDITIONER IN THE NATURE OF AN OIL COATING COMPOSITION, AND BOWLING ALLEY BASE COAT IN THE NATURE OF A LACQUER.
Claims use since Apr. 11, 1946.

Ser. No. 559,328. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 16, 1948.

WORKMASTER

FOR COLD WATER SIZING FOR USE ON WALLS BEFORE APPLYING WALLPAPER OR KALSOMINE.
Claims use since Dec. 15, 1945.

Ser. No. 561,940. PAYSON CORPORATION, New York, N. Y. Filed July 22, 1948. (Sec. 2f.)

Payson

Applicant claims ownership of Registrations Nos. 278,563, 233,776, 224,162, 233,777, and 216,561.
FOR PAINTS IN LIQUID FORM, VARNISHES, PAINT ENAMELS, AND COLORS-IN-OIL.
Claims use since Apr. 14, 1946.

Ser. No. 572,057. THE SAVOGRAN COMPANY, Boston, Mass. Filed Jan. 12, 1949.

Savablaze

FOR NON-INFLAMMABLE ORGANIC SOLVENT TYPE PAINT REMOVER.
Claims use since Dec. 27, 1948.

Ser. No. 575,341. EVERSEAL MANUFACTURING CO., INC., New York, N. Y. Filed Mar. 12, 1949.

FLOWTILE

Applicant claims ownership of Registration No. 263,562.
FOR READY-MIXED ENAMEL PAINTS.
Claims use since January 1929.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 536,377. AUGUSTUS J. GOLDEN, Baltimore, Md. Filed Oct. 1, 1947. CONCURRENT USE with Reg. No. 433,928, for the area comprising all of the States of the United States and the District of Columbia with the exception of Idaho, Missouri, Montana, Nevada, Oregon, Utah and Washington.

BLUE RIBBON

FOR CIGARS.
Claims use since August 1909.

Ser. No. 539,743. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Filed Oct. 31, 1947.

IRISH CASTLE

FOR SMOKING TOBACCO.
Claims use since September 1943.

Ser. No. 555,350. AMERICAN SNUFF COMPANY, Memphis, Tenn. Filed Apr. 23, 1948.

DENTAL



The drawing is lined for shading only.
FOR SNUFF.
Claims use since 1936.

Ser. No. 557,648. AMERICAN SNUFF COMPANY, Memphis, Tenn. Filed May 24, 1948.

TRIPSIS

FOR SNUFF.
Claims use since 1868.

Ser. No. 557,649. AMERICAN SNUFF COMPANY, Memphis, Tenn. Filed May 24, 1948.



FOR SNUFF.
Claims use since 1868.

Ser. No. 557,650. AMERICAN SNUFF COMPANY, Memphis, Tenn. Filed May 24, 1948.



FOR SNUFF.
Claims use since 1868.

Ser. No. 571,718. THE S. FRIEDER & SONS COMPANY, Cincinnati, Ohio, and Philadelphia, Pa. Filed Jan. 6, 1949.

TIONA

FOR CIGARS AND CHEROOTS.
Claims use since Aug. 19, 1897.

Ser. No. 571,884. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Jan. 10, 1949.

COMPASS

FOR SMOKING AND CHEWING TOBACCO.
Claims use since 1896.

Ser. No. 571,887. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Jan. 10, 1949.

SURE GO !

FOR SMOKING TOBACCO.
Claims use since 1911.

Ser. No. 571,941. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Jan. 11, 1949. (Sec. 2f.)

BUCKINGHAM

FOR SMOKING TOBACCO.
Claims use since 1888.

Ser. No. 571,942. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Jan. 11, 1949.

GOLD BELT



FOR SMOKING AND CHEWING TOBACCO.
Claims use since 1911.

Ser. No. 571,946. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Jan. 11, 1949.

WILD FRUIT

FOR SMOKING AND CHEWING TOBACCO.
Claims use since 1899.

Ser. No. 572,329. RUM AND MAPLE TOBACCO CORPORATION, New York, N. Y. Filed Jan. 17, 1949.

ERIN ROSE

FOR SMOKING TOBACCO.
Claims use since January 1940.

Ser. No. 572,519. RUM AND MAPLE TOBACCO CORPORATION, New York, N. Y. Filed Jan. 21, 1949.

PIXIE

FOR SMOKING TOBACCO.
Claims use since March 1946.

Ser. No. 573,080. D W G CIGAR CORPORATION, Detroit, Mich. Filed Jan. 31, 1949.

EL MACCO

FOR CIGARS.
Claims use since Apr. 10, 1911.

Ser. No. 573,082. D W G CIGAR CORPORATION, Detroit, Mich. Filed Jan. 31, 1949.

MERCANTILE

FOR CIGARS.
Claims use since May 1, 1890.

Ser. No. 573,083. D W G CIGAR CORPORATION, Detroit, Mich. Filed Jan. 31, 1949.

SAN FELICE

FOR CIGARS.
Claims use since Sept. 10, 1892.

Ser. No. 573,084. ESSEX CIGAR COMPANY, Detroit, Mich. Filed Jan. 31, 1949.



The mark consists of the name "Robert Mantell" in association with the portrait of the individual, now deceased.
FOR CIGARS.
Claims use since July 1, 1900.

Ser. No. 573,099. RUM AND MAPLE TOBACCO CORPORATION, New York, N. Y. Filed Jan. 31, 1949.

BLACK MAGIC

FOR SMOKING TOBACCO.
Claims use since Jan. 4, 1949.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 546,271. AKTIEBOLAGET A. LINDAHLS FABRIKER, Stockholm, Sweden. Filed Jan. 6, 1948.

MEDITOL

Applicant claims ownership of Swedish Registrations Nos. 42,013, dated May 15, 1933, and 42,067, dated May 29, 1933.
FOR COUGH TABLETS.

Ser. No. 550,198. ABBOTT LABORATORIES, North Chicago, Ill. Filed Feb. 20, 1948.

PARADIONE

FOR ANTI-EPILEPTIC AND MILD SEDATIVE INTENDED FOR USE IN THE TREATMENT OF EPILEPTIC MANIFESTATIONS.
Claims use since Jan. 27, 1948.

Ser. No. 555,373. CANAMIN CORPORATION, New York, N. Y. Filed Apr. 23, 1948. (Classified in Class 51.)

Canamin

Applicant claims ownership of Registration No. 510,693.
FOR FACIAL OINTMENTS, FACE AND SKIN LOTIONS, FACIAL CREAMS, AND TABLETS FOR HYPERACIDITY.
Claims use since Nov. 6, 1947.

Ser. No. 557,985. DR. L. D. LE GEAR MEDICINE COMPANY, St. Louis, Mo. Filed May 5, 1948. (Sec. 2f.)



The name and portrait is that of Dr. L. D. Le Gear, deceased. Applicant claims ownership of Registrations Nos. 293,263, 219,444, 126,444.
FOR MEDICINAL PREPARATIONS USED IN THE TREATMENT OF DISEASES OF ANIMALS AND POULTRY—NAMELY, STOCK POWDER, A TONIC APPETIZER AND CONDITIONER FOR HORSES, CATTLE, SHEEP AND HOGS; ANTISEPTIC POWDER; HOG PRESCRIPTION—NAMELY, A TONIC CONDITIONER AND REGULATOR FOR HOGS; DIP AND DISINFECTANT; GALL SALVE; LINIMENT BLISTER—NAMELY, FOR TREATMENT OF SORENESS, LAMENESS, AND OTHER USES WHERE A BLISTER IS NEEDED; PREPARATIONS FOR THE ERADICATION OF SCREW WORMS; INSECT REPELLANT; POULTRY PRESCRIPTION—NAMELY, A TONIC AND CONDITIONER FOR POULTRY; LICE POWDER; INSECTICIDES—NAMELY, INSECT POWDER; POULTRY RED CAPS FOR TREATMENT OF WORMS IN POULTRY, POULTRY WORM POWDER; COW PRESCRIPTION—NAMELY, A TONIC AND APPETIZER FOR COWS, ANTISEPTIC OIL, AND FLATULENT COLIC MEDICINE; LOUSE POWDER CONTAINING DDT; UDDER OINTMENT—NAMELY, A SOOTHING AND MILD COUNTER-IRRITANT APPLICATION; CALF VITAMINS—NAMELY, FOR USE FOR A DEFICIENCY OF VITAMIN A AND NICOTINIC ACID; AA POULTRY ANTISEPTIC TABLETS; POULTRY HOUSE INSECTICIDES; POULTRY INHALANT; DRY INSECTICIDE; ANIMAL AND BARN SPRAY CONTAINING DDT; PINK-EYE POWDER—NAMELY, A NON-IRRITATING ANTISEPTIC FOR THE CONTROL OF PINK-EYE IN LIVESTOCK; ANTI-PICK SALVE TO CONTROL CANNIBALISM OR PICKING IN POULTRY; PIG AND HOG CAPSULES FOR TREATMENT OF LARGE ROUND WORMS IN SWINE; HORSE AND MULE AND COLT CAPSULES FOR TREATMENT OF WORMS AND BOTS; FLEA AND TICK POWDER CONTAINING DDT FOR DOGS; MANGE MEDICINE FOR SARCOPTIC MANGE IN DOGS; 50% DDT WETTABLE POWDER; ASTRINGENT DRINKING WATER PREPARATION IN TABLET FORM FOR POULTRY; PREPARATION FOR KILLING WEEDS; AND RAT POISON.
Claims use since Oct. 15, 1918.

Ser. No. 560,152. YASO MEDICINAL, S. A., Barcelona, Spain. Filed June 24, 1948.

YA

Applicant claims ownership of Spanish Registration No. 177,357, dated Feb. 6, 1947.
FOR ANODYNE-ANALGETIC AND ANTIPYRETIC PRODUCTS.

Ser. No. 560,739. PAULA WEIL, Long Beach, Calif. Filed July 3, 1948.

BRONCHOVYDRIN

FOR MEDICAL PREPARATION FOR THE TREATMENT OF BRONCHIAL ASTHMA.
Claims use since 1926.

Ser. No. 561,749. HISCOX CHEMICAL COMPANY, INC., Bradenton, Fla. Filed July 20, 1948.

PARKER'S touch

The word "Parker's" is disclaimed.
FOR PRICKLY HEAT LOTION.
Claims use since July 30, 1947.

Ser. No. 565,580. J. B. ROERIG AND COMPANY, Chicago, Ill. Filed Sept. 21, 1948.

Twelveron

FOR MEDICINAL PREPARATION CONTAINING FERROUS SULPHATE, VITAMINS, CALCIUM PANTOTHENATE, NIACINAMIDE, TOGETHER WITH OTHER B-COMPLEX FACTORS FROM LIVER AND YEAST.
Claims use since Aug. 11, 1948.

Ser. No. 565,581. J. B. ROERIG AND COMPANY, Chicago, Ill. Filed Sept. 21, 1948.

Twelveplex

FOR MEDICINAL PREPARATION CONTAINING FERROUS SULPHATE, VITAMINS, CALCIUM PANTOTHENATE, NIACINAMIDE, TOGETHER WITH OTHER B-COMPLEX FACTORS FROM LIVER AND YEAST.
Claims use since Aug. 11, 1948.

Ser. No. 566,835. BAUER-HEUN PHARMACEUTICAL CO., St. Louis, Mo. Filed Oct. 7, 1948.

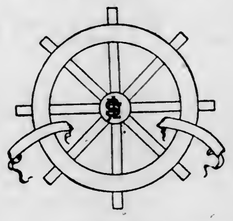
B/H

LOCALENE

FOR DENTAL ANAESTHETIC ANTISEPTIC SOLUTION.
Claims use since Jan. 1, 1940.

Ser. No. 567,523. S. B. LEONARDI & CO. INC., New Rochelle, N. Y. Filed Oct. 23, 1948. (Sec. 2f.)

LEONARDI



Applicant claims ownership of Registrations Nos. 35,637, 64,635, 167,404, 253,557.
FOR MEDICINAL PREPARATIONS — NAMELY, PREPARATIONS FOR THE TREATMENT OF CHRONIC RHEUMATISM, GOUT, PIMPLES, BOILS, CONDITIONS OF THE BLOOD REQUIRING AN ALTERATIVE MEDICINE, AGUE, INTERMITTENT, REMITTENT AND CONTINUED MALARIAL FEVERS, BILIOUSNESS, CONSTIPATION, SICK HEADACHE CAUSED BY TORPID LIVER, COUGHS DUE TO COMMON COLDS, TICKLING

OF THROAT, BRONCHIAL IRRITATION, THROAT DISCOMFORT, IRRITATED, INFLAMED, SMARTING OR BLOODSHOT EYES, RHEUMATIC PAINS, SORE OR STRAINED MUSCLES, STRAINS, INFLAMMATION, BRUISES, ROUNDWORMS IN CHILDREN, SUNBURN, BURNS, RASHES, INSECT BITES, SKIN AFFECTIONS OR ERUPTIONS, PRICKLY HEAT, CHAFING, OR FOOT TROUBLES; ANTISEPTICS AND GERMICIDES.
Claims use since June 21, 1900.

Ser. No. 568,453. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

FEMIPENS

FOR PENICILLIN VAGINAL SUPPOSITORIES.
Claims use since Apr. 26, 1948.

Ser. No. 568,454. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

Fortabs

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 568,455. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

Forticils

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 568,456. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

Fortipens

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 568,457. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

Penitabs

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 568,458. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

Pentabs

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 568,460. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

SUPRACILLIN

FOR PENICILLIN PRODUCT COMPOSED OF PROCAINE PENICILLIN IN OIL.
Claims use since July 23, 1948.

Ser. No. 568,461. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Nov. 9, 1948.

TITRACINE

FOR TABLETS FOR GASTRIC HYPERACIDITY.
Claims use since June 3, 1948.

Ser. No. 568,763. VERITAS PRODUCTS COMPANY, INC., New York, N. Y. Filed Nov. 13, 1948.

VEP-TABS

The word "Tabs" is disclaimed. Applicant claims ownership of Registration No. 412,052.
FOR DOUCHE TABLETS FOR FEMININE HYGIENE.
Claims use since Oct. 19, 1948.

Ser. No. 569,700. PAUL HRITZAY, Crossingville, Pa. Filed Dec. 1, 1948.



Rev. Paul Hritzay

The portrait and the signature are those of the applicant. Applicant claims ownership of Registration No. 424,747.
FOR LINIMENT FOR POISON IVY AND ECZEMA.
Claims use since Sept. 3, 1946.

Ser. No. 569,782. UNION CHIMIQUE BELGE, S. A., Brussels, Belgium. Filed Dec. 2, 1948.

HISTAPHENE

Applicant claims ownership of Belgian Registrations No. 63,481, dated Jan. 8, 1948; Belgian Congo, No. 2,299, dated Jan. 8, 1948; and internationally in the Bureau de la Propriété Industrielle at Berne, Switzerland, Registration No. 137,842, dated July 20, 1948.
FOR PHARMACEUTICAL PRODUCTS SERVING AS A REMEDY FOR MALADIES PROVOKED BY ALLERGIES CAUSED FROM THE PHYSIOLOGICAL ACTION OF HISTAMINE.

Ser. No. 570,785. THE MALTINE COMPANY, Morris Plains, N. J. Filed Dec. 18, 1948.

PENTRYL

FOR PHARMACEUTICAL PRODUCT FOR ALLEVIATING ALLERGIC MANIFESTATIONS CONTAINING AN ANTI-HISTAMINE WITH AN ANTI-ALLERGIC AND A SEDATIVE.
Claims use since Dec. 10, 1948.

Ser. No. 570,910. SCHERING CORPORATION, Bloomfield, N. J. Filed Dec. 21, 1948.

GRAMODERM

FOR ANTIBIOTIC OINTMENT INTENDED FOR TOPICAL USE.
Claims use since Nov. 1, 1948.

Ser. No. 571,499. AMERICAN KHELLIN CORPORATION, New York, N. Y. Filed Jan. 3, 1949.

CALINE

FOR PREPARATION WHICH IS PHARMACOLOGICALLY A CORONARY VASODILATOR AND ANTISPASMODIC USED IN THE TREATMENT OF ANGINA PECTORIS, CORONARY THROMBOSIS, BRONCHIAL AND CARDIAC ASTHMA, RENAL COLIC, INTESTINAL AND GASTRIC SPASMS, BILIARY COLIC, SPASMODIC DYSMENORRHEA, AND WHOOPING COUGH.
Claims use since Nov. 15, 1948.

Ser. No. 572,213. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Jan. 14, 1949.

NODIMA

FOR BRONCHIAL MEDICAMENT HAVING SEDATIVE, ANALGESIC PROPERTIES.
Claims use since Jan. 4, 1949.

Ser. No. 572,873. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Jan. 26, 1949.

Sweetose

Applicant claims ownership of Registration No. 364,965.
FOR STARCH CONVERSION SYRUP FOR USE AS AN INGREDIENT IN MEDICINES AND PHARMACEUTICAL PREPARATIONS.
Claims use since Mar. 27, 1940.

CLASS 19

VEHICLES

Ser. No. 515,974. BOYERTOWN AUTO BODY WORKS, INC., Boyertown, Pa. Original Filed, act of 1905, Jan. 18, 1947; amended to application under act of 1946, Principal Register, Nov. 19, 1948. (Sec. 2f.)

BOYERTOWN BETTER BUILT

The words "Better Built" are disclaimed.
FOR TRUCK BODIES AND STRUCTURAL PARTS THEREOF.
Claims use since May 1930.

Ser. No. 531,161. THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Aug. 12, 1947.

Champion

FOR AUTOMOBILES.
Claims use since Aug. 20, 1940.

Ser. No. 532,856. MONMOUTH PRODUCTS COMPANY, Cleveland, Ohio. Filed Aug. 29, 1947.

Monmouth

FOR AUTOMOTIVE VEHICLE CHASSIS PARTS—NAMELY, KING BOLT AND BUSHING SETS AND PARTS, TIE ROD ENDS, AND WHEEL SUSPENSION PARTS.
Claims use since Aug. 3, 1923.

Ser. No. 537,160. DANDEE SAFETY DEVICES CO., Norwalk, Conn., assignor to Supersite Corporation, New York, N. Y. Filed Oct. 8, 1947.

DANDEE

FOR REAR VIEW MIRRORS FOR USE ON MOTOR VEHICLES, MOTORCYCLES, OR BICYCLES.
Claims use since Sept. 25, 1947.

Ser. No. 541,922. THE EUCLID ROAD MACHINERY CO., Euclid, Ohio. Filed Nov. 21, 1947. (Sec. 2f.)

EUCLID

Applicant claims ownership of Registrations Nos. 282,468 and 373,795.
FOR HEAVY-DUTY REAR-DUMP TRUCKS, SIDE-DUMP TRUCKS, TRUCK CHASSIS, TRACTOR TRAILERS, AND BOTTOM-DUMP TRAILERS.
Claims use since 1929.

Ser. No. 546,220. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed Jan. 5, 1948.

GOLD MEDAL

Applicant claims ownership of Registration No. 149,581.
FOR BICYCLES HAVING WHEELS MORE THAN FOURTEEN INCHES IN DIAMETER.
Claims use since 1920.

Ser. No. 569,535. PRODUCTS MANUFACTURING CO. INC., Baltimore, Md. Filed Nov. 27, 1948.

RETANO

FOR HUB CAPS FOR AUTOMOTIVE VEHICLES.
Claims use since Oct. 5, 1948.

Ser. No. 571,709. COCKSHUTT PLOW COMPANY, LIMITED, Brantford, Ontario, Canada. Filed Jan. 6, 1949. (Sec. 2f.)

COCKSHUTT

Applicant claims ownership of Registration No. 441,880.
FOR FARM WAGONS, FARM TRUCKS, FARM TRAILERS, FARM SLEIGHS, AND HARROW CARTS.
Claims use since 1877 in Canada.

Ser. No. 574,185. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Feb. 21, 1949. (Sec. 2f.)

SCHWINN

Applicant claims ownership of Registrations Nos. 428,626, 371,422, 404,962, 404,963, 407,574, 428,627.
FOR BICYCLES.
Claims use since March 1935.

Ser. No. 577,285. IRVING RUBIN, doing business under the name and style of Boston Metal Products Co., Boston, Mass. Filed Apr. 16, 1949. (Sec. 2f.)

BOSTON

FOR WHEELED CARRIERS FOR USE IN RETAIL SELF-SERVICE STORES, AND TWO WHEELED HAND TRUCKS FOR USE IN MOVING CRATES, CASES, BARRELS, BAGS, AND THE LIKE.
Claims use since Aug. 5, 1935, on wheeled carriers; and since June 13, 1945, on two wheeled hand trucks.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 564,021. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Apr. 22, 1948. (Sec. 2f.)

FLORENTEEN

Applicant claims ownership of Registration No. 245,798.
FOR OILCLOTH AND OILCLOTH TABLE COVERS.
Claims use since Dec. 1, 1927.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 494,468. SYMPHONIC RADIO AND ELECTRONIC CORPORATION, Cambridge, Mass. Original filed, act of 1905, Jan. 8, 1946; amended to application under act of 1946, Principal Register, Dec. 12, 1947. (Sec. 2f as to the word "Symphonic.")

Symphonic

FOR RADIO RECEIVING SETS AND ELECTRICAL PHONOGRAPH RECORDERS.
Claims use since 1936 as to "Symphonic," and since Apr. 30, 1945, as to the mark shown.

Ser. No. 523,735. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Des Plaines, Ill. Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Oct. 13, 1948. (Sec. 2f.)

Saflox

FOR ELECTRIC FLOODLIGHT LOWERING EQUIPMENT FOR MAKING IT POSSIBLE TO LOWER ELEVATED FLOODLIGHTS TO THE GROUND WHERE THEY CAN BE HANDLED SAFELY.
Claims use since October 1934.

Ser. No. 533,837. BELMONT RADIO CORPORATION, Chicago, Ill. Filed Sept. 9, 1947. (Sec. 2f.)

Belmønt

Applicant claims ownership of Registrations Nos. 70,459, 339,226, and 324,184.
FOR RADIO RECEIVING APPARATUS, COMBINATION RADIO RECEIVING AND ELECTRIC PHONOGRAPH APPARATUS WITH AND WITHOUT RECORD CHANGING MECHANISM.
Claims use since 1930.

Ser. No. 542,149. MCCOLPIN-CHRISTIE CORPORATION, LTD., Los Angeles, Calif. Filed Nov. 24, 1947.

Chargalyzer

FOR COMBINATION STORAGE BATTERY CHARGER AND TESTING APPARATUS.
Claims use since Dec. 30, 1940.

Ser. No. 549,156. KAISER FLEETWINGS, INC., Oakland, Calif. Filed Feb. 9, 1948.



The lining and stippling shown on the drawing are for shading only.
FOR ELECTRICALLY OPERATED GARBAGE GRINDER ATTACHED TO THE DRAIN OUTLET OF A SINK.
Claims use since Jan. 31, 1948.

Ser. No. 550,375. ANGELA T. DE LU, doing business as Angela Lamp Company, San Diego, Calif. Filed Feb. 24, 1948.

ANGELA

FOR ELECTRIC TABLE LAMPS.
Claims use since Jan. 3, 1948.

Ser. No. 556,041. VAN DER HEEM N. V., The Hague, Netherlands. Filed May 1, 1948.

VIRGO

Applicant claims ownership of Dutch Registration No. 81,892, dated Sept. 26, 1944.
FOR ELECTRIC VACUUM CLEANERS, ELECTRIC FLOOR POLISHERS, ELECTRIC FANS, ELECTRIC COFFEE GRINDERS, ELECTRIC STIRRING AND MIXING DEVICES, ELECTRIC LEMON SQUEEZERS, ELECTRIC CAN OPENERS.
Claims use since July 1, 1944.

Ser. No. 557,376. MUTUAL DEALERS WHOLESALE INC., St. Paul, Minn. Filed May 19, 1948.

Worthmore

Applicant claims ownership of Registrations Nos. 312,388, 338,043, and 338,044.
FOR AUTOMOTIVE BATTERIES, FARM LIGHT BATTERIES, SPARK PLUGS, IGNITION COILS, VOLTAGE REGULATORS, AND BATTERY CHARGERS.
Claims use since Dec. 15, 1935.

Ser. No. 559,390. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Feb. 14, 1948.

ELECTRITE

Applicant claims ownership of Registration No. 243,879.
FOR FIBREBOARD FOR ELECTRICAL INSULATION.
Claims use since January 1928.

Ser. No. 559,912. ERIEZ MANUFACTURING COMPANY, Erie, Pa. Filed June 22, 1948.

Eriez

FOR NON-ELECTRIC PERMANENT MAGNETIC SEPARATORS FOR SEPARATING FERROUS FROM NON-FERROUS MATERIALS.
Claims use since Dec. 1, 1941.

Ser. No. 560,470. INTERNATIONAL RESISTANCE COMPANY, Philadelphia, Pa. Filed June 30, 1948.

IRC

Applicant claims ownership of Registrations Nos. 304,723 and 312,722.
FOR RESISTORS, RESISTANCES, GRID LEAKS, VOLUME CONTROLS, SWITCHES, RHEOSTATS, AND RESISTORS OF THE TYPE CALLED VOLTMETER MULTIPLIERS.
Claims use since February 1931.

Ser. No. 571,104. AMPLIFIER CORP. OF AMERICA, New York, N. Y. Filed Dec. 27, 1948.

Magneducer

FOR MAGNETIC RECORDING AND REPRODUCING HEADS USED IN CONNECTION WITH MAGNETIC TAPE AND MAGNETIC TAPE RECORDERS.
Claims use since Nov. 22, 1948.

Ser. No. 571,105. AMPLIFIER CORP. OF AMERICA, New York, N. Y. Filed Dec. 27, 1948.

Magnemaster

Applicant claims ownership of Registrations Nos. 505,580 and 514,059.
FOR MAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS AND MAGNETIC TAPE USED IN CONNECTION THEREWITH.
Claims use since Dec. 8, 1948.

Ser. No. 571,106. AMPLIFIER CORP. OF AMERICA, New York, N. Y. Filed Dec. 27, 1948.

Magnemuse

Applicant claims ownership of Registrations Nos. 505,580 and 514,059.
FOR MAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS IN CONSOLE FORM.
Claims use since Dec. 2, 1948.

Ser. No. 572,137. TELREX INC., Asbury Park, N. J. Filed Jan. 13, 1949.

TELREX

FOR ANTENNAS FOR USE IN TELEVISION, FREQUENCY MODULATION, AND OTHER HIGH FREQUENCY SYSTEMS.
Claims use since Feb. 15, 1948.

Ser. No. 572,232. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y. Filed Jan. 15, 1949.

AHT

FOR ELECTRIC WIRES AND CABLES.
Claims use since Nov. 18, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 503,153. BANCROFT RACKET COMPANY, Pawtucket, R. I. Original filed, act of 1905, June 1, 1946; amended to application under act of 1946, Principal Register, Mar. 8, 1949. (Sec. 2f.)



FOR TENNIS RACKETS.
Claims use since 1933.

Ser. No. 536,118. MERILITE PRODUCTS CO., Milwaukee, Wis. Filed Sept. 29, 1947.

Greenmaster

FOR GOLF CLUBS.
Claims use since Oct. 1, 1946.

Ser. No. 538,876. BRONSON REEL COMPANY, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich., a corporation of Michigan. Filed Oct. 24, 1947. (Sec. 2f.)

LASHLESS

FOR FISHING REELS.
Claims use since August 1939.

Ser. No. 573,840. DOMENICK IPPOLITO, doing business as Hollywood Doll Mfg. Co., Glendale, Calif. Filed Feb. 14, 1949.

The Wishing Doll

The word "Doll" is disclaimed.
FOR DOLLS AND DOLLS' CLOTHES.
Claims use since Jan. 8, 1947.

Ser. No. 575,155. JAMES A. PFEFFER, doing business under the name of Jim Pfeffer, Orlando, Fla. Filed Mar. 9, 1949. (Sec. 2f.)

BANANA LURES

No claim is made to the word "Lures" except in connection with the mark as shown.
FOR ARTIFICIAL FISH LURES.
Claims use since July 19, 1940.

Ser. No. 575,751. COLUMBIA BROADCASTING SYSTEM, INC., New York, N. Y. Filed Mar. 21, 1949.

AMOSANDRA

FOR DOLLS.
Claims use since Jan. 27, 1940.

Ser. No. 577,835. WHITMAN PUBLISHING COMPANY, Racine, Wis. Filed Apr. 27, 1949.

LEX-O-GRAMS

The letters are printed in red color, with black edging.
FOR GAME OF WORDS AND LETTERS.
Claims use since Mar. 15, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 510,761. AUTOMATIC BUSINESS MACHINES CORPORATION, Birmingham, Ala., now by change of name Insurograph, Inc., a corporation of Delaware. Original filed, act of 1905, Oct. 12, 1946; amended to application under act of 1946, Principal Register, July 30, 1947.

Insurograph

FOR VENDING MACHINES FOR DATED FORMS SUCH AS INSURANCE POLICIES.
Claims use since Apr. 15, 1946.

Ser. No. 527,658. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed July 5, 1947. (Sec. 2f.)



The word "Autographic" is disclaimed. The lining on the drawing is for shading only. Applicant claims ownership of Registration No. 330,116.
FOR MANIFOLDING REGISTERS FOR HOLDING AND FEEDING A PLURALITY OF WORKSHEET STRIPS TO BE WRITTEN UPON THEREIN BY HAND.
Claims use since Dec. 21, 1934.

Ser. No. 536,237. A. B. CHANCE COMPANY, Centralia, Mo. Filed Sept. 30, 1947.



The word "Industries" is disclaimed.
FOR PULLEY BLOCKS; DETACHABLE CAPSTANS; PIKE POLES; EARTH AUGERS; SOCKET WRENCHES; ANCHOR INSTALLING BARS; MAULS; TAMPING BARS; GROUND ROD DRIVERS; SCREW ANCHOR WRENCHES; TREE TRIMMERS; WIRE TONGS; WIRE TONG SADDLES; LINK STICKS; TIE WIRE STICKS; AUXILIARY CROSS ARMS; WIRE TONG SADDLES; ROPE SNUBBING BRACKETS; WIRE TONG POLE STIRRUPS; WIRE TONG SADDLE JACKS; POLE SPLICES; PRONG TIE STICKS; WIRE CUTTERS; PLIER AND CUTTER INSULATED HANDLES; INSULATED COG WRENCHES; INSULATED SOCKET AND RATCHET WRENCHES; DISCONNECT STICKS; ANGLE FUSE PULLERS; PLUG FUSE PULLERS; DAMPER TOOLS; METER HOLDING POLES; UNI-

VERSAL POLES, UNIVERSAL TOOLS FOR THE LATTER, COMPRISING SPLICE TOOLS, SAWS, WRENCHES, SCREW DRIVERS, LINE MEN'S OPERATING HOOKS, PLIERS, CLAMP STICK HEADS; STRAIN CARRIERS; JACKS AND PRONGS FOR SAME; INSULATOR LIFTING YOKES AND CRADLES; BOOM POLES; CLAMP STICKS; CLAMP TOP INSULATOR TOOLS; LAMP PULLERS; ARMOR TAPE WINDERS; STORM OPERATING POLE AND SPLICING TOOLS.

Claims use since Aug. 1, 1936.

Ser. No. 537,913. LYON-RAYMOND CORPORATION, Greene, N. Y. Filed Oct. 15, 1947.

L-R

FOR MATERIAL HANDLING MACHINERY—NAMELY: LIFT TRUCKS FOR SKID PLATFORMS, WITH HYDRAULICALLY OPERATED OR MECHANICALLY OPERATED LIFTING MEANS; HYDRAULICALLY OPERATED LIFT TRUCKS FOR DOUBLE FACE AND SINGLE FACE PALLETS; TOTE PAN LIFT TRUCKS; SHEET AND STRIP FEEDING TABLES HAVING HYDRAULICALLY ELEVATABLE TABLE TOPS; HYDRAULICALLY OPERATED HIGH LIFT TRUCKS FOR DIE HANDLING, STACKING AND TIERING, WORK POSITIONING, SUPPORTING OVERHANGING WORK, LOADING MOTOR TRUCKS, LINING UP PARTS FOR ASSEMBLY, ACTING AS A PORTABLE SCAFFOLD, INSTALLING HEAVY OVERHEAD FIXTURES AND SIMILAR USES; PORTABLE HYDRAULICALLY OPERATED ELEVATING TABLES FOR A VARIETY OF USES; HYDRAULICALLY OPERATED ELEVATING PLATFORMS OF THE FLUSH WITH THE FLOOR TYPE; FOOT OPERATED, HAND OPERATED, AND POWER OPERATED HYDRAULIC PUMPS; PALLET SWITCHER TRUCKS TO FACILITATE THE LOADING AND HANDLING OF PALLETS IN FREIGHT CARS AND FREIGHT TRUCKS; HYDRAULIC WELDING POSITIONERS; HYDRAULIC HOISTS; AND PORTABLE CRANES.

Claims use since Dec. 2, 1946.

Ser. No. 538,356. CHAR-LYNN CO., Minneapolis, Minn. Filed Oct. 20, 1947.

HI-LO-PAC

FOR HYDRAULIC POWER PUMPS FOR FARM AND INDUSTRIAL TRACTORS FOR OPERATING, PUSHING AND LIFTING MECHANISM MOUNTED THEREON.

Claims use since Jan. 1, 1947.

Ser. No. 538,482. HARRY L. WURGAFT, doing business under the name and style of Citrus Reaming Equipment Co., Fullerton, Calif. Filed Oct. 20, 1947.

CAL-FLO

No claim is made to the term "Flo" apart from the mark as shown.

FOR POWER DRIVEN CITRUS FRUIT SPLITTING AND REAMING MACHINES.

Claims use since Oct. 3, 1947.

Ser. No. 541,993. WILLIAM D. AMUNDSON, Northfield, Minn. Filed Nov. 22, 1947.

ANCO REEL

The word "Reel" is disclaimed.

FOR REEL ASSEMBLIES FOR RAISING AND LOWERING BOAT ANCHORS.

Claims use since Oct. 5, 1946.

Ser. No. 547,927. A. O. MILLER SALES COMPANY, Los Angeles, Calif. Filed Jan. 24, 1948.

MILCO

FOR RUG POLES WHICH ARE PROVIDED TO ENGAGE RUGS AND SUPPORT THE SAME IN A SUSPENDED CONDITION, RUG CONVEYORS WHICH ARE USED TO CARRY THE AFOBESAID RUG POLES WITH RUGS SUSPENDED UPON THEM.

Claims use since Apr. 15, 1945.

Ser. No. 548,373. INFILCO INCORPORATED, Chicago, Ill. Filed Jan. 30, 1948.

VORTI—FLOC

The term "Floc" is disclaimed.

FOR LIQUID TREATING APPARATUS AND EQUIPMENT, IN PARTICULAR CLARIFIERS AND COAGULATING APPARATUS FOR CLARIFYING TURBID LIQUIDS, FOR COAGULATING SUSPENDED AND COLLOIDAL SUBSTANCES FROM WATER, AQUEOUS WASTES AND LIQUIDS IN GENERAL, AND FOR CHEMICALLY TREATING WATER SUPPLIES AND AQUEOUS WASTES.

Claims use since Sept. 3, 1947.

Ser. No. 551,959. THE EMPIRE PLOW COMPANY, Cleveland, Ohio. Filed Mar. 15, 1948.



The mark consists of a brown square painted on the end of a stem of the specified goods, with a side of the square coincident with the end edge of the stem. The official representation of the color brown has been used in the drawing. The representation of the goods in the drawing is, per se, disclaimed as a part of the mark. Applicant claims ownership of Registrations Nos. 384,651, 384,652, 381,673, and 386,502.

FOR WING SWEEPS AND LIKE GROUND-WORKING AGRICULTURAL METAL TOOLS.

Claims use since Nov. 1, 1935.

Ser. No. 554,264. SENECA FALLS MACHINE COMPANY, Seneca Falls, N. Y. Filed Apr. 9, 1948.

STAR LATHES

The word "Lathes" is disclaimed. Applicant claims ownership of Registration No. 126,209.

FOR LATHES AND PARTS THEREOF.

Claims use since 1887.

Ser. No. 555,231. ACME MANUFACTURING COMPANY, Detroit, Mich. Filed Apr. 22, 1948.

ACME

Applicant claims ownership of Registration No. 365,391.

FOR POLISHING AND BUFFING MACHINES, ACCESSORY EQUIPMENT THEREFOR, AND PARTS OF THE FOREGOING GOODS.

Claims use since October 1919.

Ser. No. 555,232. ACME MANUFACTURING COMPANY, Detroit, Mich. Filed Apr. 22, 1948.

amc

FOR POLISHING AND BUFFING MACHINES, ACCESSORY EQUIPMENT THEREFOR, AND PARTS OF THE FOREGOING GOODS.

Claims use since October 1919.

Ser. No. 555,233. ACME MANUFACTURING COMPANY, Detroit, Mich. Filed Apr. 22, 1948.

SPECIAL MACHINERY amc AUTOMATIC BUFFING MACHINES

The words "Special," "Machinery," "Automatic," "Buffing," and "Machines" are disclaimed.

FOR POLISHING AND BUFFING MACHINES, ACCESSORY EQUIPMENT THEREFOR, AND PARTS OF THE FOREGOING GOODS.

Claims use since October 1919.

Ser. No. 555,947. LAURENCE MASSA, Los Angeles, Calif. Filed Apr. 30, 1948.

JIFFY

FOR DIGGER TEETH AND DIGGER TEETH ADAPTERS FOR USE ON TRENCHER, DRAGLINE, SHOVEL, AND CLAMSHELL BUCKETS; ALSO SCARIFIER TEETH AND MOUNTINGS THEREFOR.

Claims use since Nov. 10, 1945.

Ser. No. 556,572. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 8, 1948.

WELDSTITCH

Applicant claims ownership of Registration No. 507,986.

FOR MACHINES FOR SPLICING INNER TUBES.

Claims use since Dec. 3, 1947.

Ser. No. 558,763. TROPICAL TRADING COMPANY, Chicago, Ill. Filed June 8, 1948.

THE CHALLENGER

FOR VENDING MACHINE FOR HOT MIXED NUTS.

Claims use since Apr. 4, 1947.

Ser. No. 559,873. WALKER-TURNER COMPANY, INC., Plainfield, N. J., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin. Filed June 21, 1948. (Sec. 2f.)

walker-turner

FOR DRILL PRESSES, BAND SAWS, RADIAL SAWS, RADIAL DRILLS, POWER GRINDERS, RADIAL CUT-OFF MACHINES, FLEXIBLE SHAFT DRIVEN POWER TOOLS FOR POLISHING, GRINDING, ABRADING, DRILLING, AND BURRING, JOINTERS, LATHES, BELT AND DISC ABRADING MACHINES, TILTING ARBOR CIRCULAR SAWS, TABLE CIRCULAR SAWS, AND JIG SAWS.
Claims use since April 1922.

Ser. No. 562,481. LOWELL SPECIALTY COMPANY, doing business as Lowell Manufacturing Co., Lowell, Mich., and Chicago, Ill. Filed July 29, 1948. (Sec. 2f.)

LOWELL

Applicant claims ownership of Registrations Nos. 431,781 and 417,279.
FOR MANUALLY-OPERATED DEVICES FOR APPLYING INSECTICIDES AND FUNGICIDES IN DRY AND LIQUID FORM, LIQUID SOLUTIONS, AND PAINTS—NAMELY, SPRAYERS, DIFFUSERS, APPLICATORS, AND DUSTERS, AND PARTS THEREFOR.
Claims use since 1895.

Ser. No. 562,499. H. K. PORTER COMPANY, INC., Pittsburgh, Pa. Filed July 29, 1948. (Sec. 2f.)

QUIMBY

FOR CENTRIFUGAL, SCREW, ROTARY POSITIVE DISPLACEMENT, AND GEAR PUMPS.
Claims use since 1900.

Ser. No. 564,638. METALIX MANUFACTURING CO., INC., South Norwalk, Conn. Filed Sept. 3, 1948.



FOR STAKING TOOLS, CANNON PINION TIGHTENER, FRICTION JEWELING PRESS, ENGRAVING BLOCK, RING STICK, RING SIZE, ROLLER JEWEL SETTERS, MAINSPRING WINDER, HAIRSPRING TWEEZER, STAKING PUNCHES AND STUMPS, REAMERS, JEWEL PUSHERS, AND SLEEVE WRENCHES.
Claims use since Nov. 1, 1947.

Ser. No. 567,813. TROPICAL TOOL COMPANY, Providence, R. I. Filed Oct. 28, 1948.



FOR HOES.
Claims use since Mar. 10, 1948.

Ser. No. 568,833. THE CINCINNATI TOOL COMPANY, Norwood, Ohio. Filed Nov. 16, 1948.



Applicant claims ownership of Registration No. 68,720.
FOR CERTAIN TOOLS—NAMELY, DRILLS, COOPER'S DOWEL-BITS, PLIERS HAVING A CUTTING EDGE, SPLICING-CLAMPS, AUGERS, HOLLOW AUGERS, POINTERS, SCREW AND PLUG BITS, PLUG-CUTTERS, BAND SETTERS, SPOKE-SHAVES, BOX SCRAPERS, COOPER-SHAVES, SHAVES, COUNTERSINKS, AND WASHER-CUTTERS.
Claims use since 1906.

Ser. No. 569,084. THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio. Filed Nov. 19, 1948.

Utility

FOR POWER OPERATED SPRAYERS FOR APPLYING INSECTICIDES, FUNGICIDES AND THE LIKE ON TREES, SHRUBBERY, FLOWERS, VEGETABLE CROPS, AND OTHER AGRICULTURAL AND HORTICULTURAL PRODUCTS.
Claims use since Sept. 27, 1948.

Ser. No. 569,085. THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio. Filed Nov. 19, 1948.

GP

FOR POWER OPERATED SPRAYERS FOR APPLYING INSECTICIDES, FUNGICIDES AND THE LIKE ON TREES, SHRUBBERY, FLOWERS, VEGETABLE CROPS, AND OTHER AGRICULTURAL AND HORTICULTURAL PRODUCTS.
Claims use since Sept. 27, 1948.

Ser. No. 569,989. PLANERT MANUFACTURING CORP., Chicago, Ill. Filed Dec. 4, 1948.

ReTurnAL

FOR STEAM CONDENSATE PUMPS BOTH SEPARATELY AND MOUNTED ON A BASE WITH A DRIVING MOTOR.
Claims use since May 28, 1947.

Ser. No. 572,360. HY-PRO TOOL COMPANY, New Bedford, Mass. Filed Jan. 18, 1949.

HARDERNELL

FOR TAPS.
Claims use since Oct. 2, 1947.

Ser. No. 573,018. WAHL-CLIPPER CORPORATION, Sterling, Ill. Filed Jan. 28, 1949. (Sec. 2f.)

WAHL

FOR HAND HAIR CLIPPERS AND HAIR SHEARS.
Claims use since July 1, 1913.

Ser. No. 584,035. BORG-WARNER CORPORATION, Chicago, Ill. Filed Feb. 14, 1948. (Sec. 2f.)

DETROIT GEARS

The term "Gears" is disclaimed apart from the trademark as shown. Applicant claims ownership of Registration No. 388,479.
FOR GEARS FOR USE IN THE DRIVING SYSTEMS AND ENGINES OF MOTOR VEHICLES.
Claims use since Feb. 26, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 488,751. GRANT PHOTO PRODUCTS, INC., New York, N. Y. Original filed, act of 1905, Sept. 20, 1945; amended to application under act of 1946, Principal Register, Apr. 7, 1948.

DIREX RAPID

The applicant disclaims the exclusive right to "Rapid" except in conjunction with the word "Direx."
FOR SENSITIZED PHOTOGRAPHIC PAPER, SPECIFICALLY DIRECT POSITIVE ORTHOCHROMATIC PHOTOGRAPHIC PAPER DESIGNED FOR EXTRA FAST PROCESSING.
Claims use since Aug. 27, 1945.

Ser. No. 488,752. GRANT PHOTO PRODUCTS, INC., New York, N. Y. Original filed, act of 1905, Sept. 20, 1945; amended to application under act of 1946, Principal Register, Apr. 7, 1948.

DIREX SUPER-B

FOR SENSITIZED PHOTOGRAPHIC PAPER, SPECIFICALLY DIRECT POSITIVE ORTHOCHROMATIC PHOTOGRAPHIC PAPER FOR TONING AND REDEVELOPING.
Claims use since Aug. 27, 1945.

Ser. No. 488,755. GRANT PHOTO PRODUCTS, INC., New York, N. Y. Original filed, act of 1905, Sept. 20, 1945; amended to application under act of 1946, Principal Register, Apr. 7, 1948.

PORTROPOSITIVE

FOR SENSITIZED PHOTOGRAPHING PAPER, SPECIFICALLY DIRECT POSITIVE ORTHROCHROMATIC AND PANCHROMATIC PHOTOGRAPHIC PAPER.
Claims use since Aug. 27, 1945.

Ser. No. 529,541. AMERICAN LIQUID METER COMPANY, Beverly Hills, Calif. Filed July 26, 1947. (Sec. 2f.)

BASSLER

FOR LIQUID METERS AND PARTS THEREOF.
Claims use since November 1921.

Ser. No. 553,926. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Apr. 5, 1948.

Photoply

FOR RESIN IMPREGNATED LAMINATED GLASS FABRIC SHEETS FOR USE AS PHOTOGRAPHIC TEMPLATES.
Claims use since Feb. 24, 1948.

Ser. No. 557,154. NILES-BEMENT-POND COMPANY, West Hartford, Conn. Filed May 15, 1948. (Sec. 2f.)

PRATT & WHITNEY

Applicant claims ownership of Registration No. 127,111.
FOR PRECISION DIMENSION MEASURING MACHINES, INTERNAL AND EXTERNAL DIMENSION GAGES, INTERNAL AND EXTERNAL SCREW THREAD GAGES, DIMENSION AND CONTOUR GAGES FOR RAILROAD WHEELS AND TIRES, PNEUMATICALLY OPERATED DIMENSION GAGES AND ELECTRICALLY OPERATED DIMENSION GAGES AND SPECIAL DIMENSION GAGES.
Claims use on measuring machines, internal and external dimension gages, screw thread gages, dimension and contour gages for railroad wheels and tires, and special dimension gages since about the year 1870; on electrically operated dimension gages since 1931; and on pneumatically operated dimension gages since 1942.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 565,314. CLINTON WATCH COMPANY, Chicago, Ill. Filed Sept. 17, 1948. (Sec. 2f.)

CLINTON

Applicant claims ownership of Registration No. 362,653.
FOR WATCHES AND WATCH MOVEMENTS.
Claims use since May 1, 1933.

Ser. No. 568,479. AMERICAN JEWELRY DISTRIBUTORS, INC., New York, N. Y. Filed Oct. 12, 1948. (Sec. 2f as to "Calvert.")

Lady CALVERT

The trade-mark is fanciful and does not, in fact, represent the title of any person living or dead, although the title is associated with the wife of George Calvert, a subject of England who lived during the 17th century, and upon whom was bestowed the title Lord Baltimore.
Applicant claims ownership of Registration No. 418,646.
FOR LADIES' WATCHES AND WATCH MOVEMENTS.
Claims use since July 1, 1948.

Ser. No. 570,023. LOUIS A. SCHWOB, doing business under the firm name and style, Schwob Watch Company, New York, N. Y. Filed Oct. 15, 1948. (Sec. 2f.)

SCHWOB

Applicant claims ownership of Registrations Nos. 290,303 and 281,004.
FOR WATCHES, WATCH-CASES AND WATCH MOVEMENTS.
Claims use since Feb. 4, 1930.

Ser. No. 575,946. ALLEN V. TORNEK, New York, N. Y. Filed Mar. 23, 1949.

TORNAY

FOR WATCHES.
Claims use since Feb. 16, 1949.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 523,424. SIGMA NU FRATERNITY, Indianapolis, Ind. Original filed, act of 1905, June 2, 1947; amended to application under act of 1946, Principal Register, July 14, 1948.

ΣN

Applicant claims ownership of Registration No. 244,879.
FOR FRATERNITY PINS, FINGER RINGS, BRACELETS, TIE CLIPS, CUFF LINKS, HOLLOWWARE AND FLATWARE ALL MADE IN WHOLE OR PART OF PRECIOUS METALS.
Claims use since 1869.

Ser. No. 564,062. JUEL RILEY GOGGINS, Minneapolis, Minn. Filed June 11, 1948.



Applicant claims ownership of Registration No. 239,301.
FOR ORNAMENTAL PINS, FINGER RINGS, BELT BUCKLES AND BADGES PLATED WITH PRECIOUS METAL, BRACELETS, AND NECKLACES.
Claims use since Jan. 15, 1927.

Ser. No. 566,065. BRUNER-RITTER, INC., New York, N. Y. Filed Sept. 29, 1948.

Pee-Wee

FOR BRACELETS, LOCKETS AND NECK CHAINS IN ORNAMENTAL CONTAINER FOR JUVENILES.
Claims use since Aug. 9, 1948.

Ser. No. 573,226. BEL-COR, INC., Chicago, Ill. Filed Feb. 3, 1949.

bel-cor

FOR COSTUME JEWELRY.
Claims use since June 30, 1947.

Ser. No. 574,491. CINER MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 25, 1949. (Sec. 2f.)

CINER

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, EARRINGS, NECKLACES, BRACELETS AND ORNAMENTAL PINS AND CLIPS.
Claims use since 1892.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 548,692. PLEE-ZING, INC., Chicago, Ill., assignor to Household Products Co., Evanston, Ill., a corporation of Illinois. Filed Feb. 3, 1948.



Applicant claims ownership of Registration No. 262,292.
FOR BROOMS, SCRUBBING BRUSHES, DUSTERS, AND MOPS.
Claims use since Nov. 10, 1927.

Ser. No. 555,092. FFEN PRODUCTS COMPANY, Philadelphia, Pa. Filed Apr. 20, 1948.

Brussäge

FOR BRUSHES FOR INVIGORATING THE HAIR AND SCALP.
Claims use since Apr. 1, 1948.

Ser. No. 560,634. MELVILLE L. WOLFF, doing business as Melaire Distributing Co., New York, N. Y. Filed July 2, 1948.

SWIRL-O-MATIC

The word "Swirl" is disclaimed apart from the mark as shown.
FOR WATER-ROTATED BRUSHES FOR WASHING AUTOMOBILES, SCREENS, WINDOWS, BOATS, WALLS, FLOORS, FARM EQUIPMENT, AND THE LIKE PURPOSES.
Claims use since June 20, 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 562,939. MILT KING, doing business as Sediment Testing Supply Co., Chicago, Ill. Filed Aug. 6, 1948. (Sec. 2f.)

Milktest

FOR PADS OF FIBROUS MATERIAL—NAMELY, PAPER, FOR DISPOSABLE FILTERS AS USED IN MILK SEDIMENT TESTING EQUIPMENT.
Claims use since 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 491,489. MICHIGAN FURNITURE SHOPS, INC., Grand Rapids, Mich. Original filed, act of 1905, Nov. 13, 1945; amended to application under act of 1946, Principal Register, Sept. 22, 1947. (Sec. 2f.)

The Stratford Group

The words "The" and "Group" are disclaimed.
FOR UPHOLSTERED SOFAS, CHAIRS, AND LOVE SEATS.
Claims use since July 1, 1938.

Ser. No. 512,573. FREDERICK Y. BRISCOE, Framingham Centre, Mass. Original filed, act of 1905, Nov. 14, 1946; amended to application under act of 1946, Principal Register, Nov. 12, 1948. (Sec. 2f.)

SMOOTHFAST

FOR THREE-PIECE METAL AND WOODEN DEVICE KNOWN AS A MATTRESS PROTECTOR AND DESIGNED TO HOLD RUBBER OR OTHER SHEETINGS FIRMLY TO THE MATTRESS THEREBY PREVENTING WRINKLING OR CRAWLING OF SHEETS.
Claims use since Dec. 27, 1936.

Ser. No. 540,915. SIMMONS COMPANY, New York, N. Y. Filed Nov. 12, 1947.

CLOUDSLEEP

FOR MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES.

Claims use since Sept. 16, 1947, on mattresses, box springs, coil springs, sofa beds, and lounges; and since Sept. 19, 1947, on studio couches.

Ser. No. 540,924. SIMMONS COMPANY, New York, N. Y Filed Nov. 12, 1947.

SLEEPWONDER

FOR MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES.

Claims use since Sept. 16, 1947, on mattresses, box springs, coil springs, sofa beds, and lounges; and since Oct. 1, 1947, on studio couches.

Ser. No. 559,298. THE GLOBE-WERNICKE CO., Cincinnati, Ohio. Filed June 16, 1948.

STREAMLINER

FOR DESKS, TABLES, TELEPHONE STANDS, FILING CABINETS, AND DESK TRAYS.

Claims use since Aug. 1, 1939, as to desks, tables, telephone stands, and filing cabinets; and since Jan. 1, 1941, as to desk trays.

Ser. No. 560,520. LOGAN CO., Louisville, Ky. Filed June 25, 1948.

SLEEP-HAVEN

FOR MATTRESSES.

Claims use since Dec. 1, 1926.

Ser. No. 561,514. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1948.

Countess

FOR STUDIO COUCHES AND SPRINGS FOR BEDSTEADS.

Claims use since November 1934.

Ser. No. 564,081. MORGAN-FURNITURE COMPANY, Asheville, N. C. Filed June 24, 1948.

OAKMIST

Applicant claims ownership of Registration No. 422,081.

FOR BEDROOM FURNITURE—NAMELY, BEDS, DRESSERS, CHESTS OF DRAWERS, NIGHT TABLES, VANITY TABLES, AND VANITY TABLE BENCHES.

Claims use since Aug. 25, 1945.

Ser. No. 564,082. MORGAN FURNITURE COMPANY, Asheville, N. C. Filed June 24, 1948.

TRENDMAKER

Applicant claims ownership of Registrations Nos. 422,082 and 435,651.

FOR BEDROOM FURNITURE—NAMELY, BEDS, DRESSERS, CHESTS OF DRAWERS, NIGHT TABLES, VANITY TABLES, AND VANITY BENCHES; DINING ROOM FURNITURE—NAMELY, DINING ROOM TABLES, DINING ROOM CHAIRS, BUFFETS, AND CHINA CABINETS; LIVING ROOM FURNITURE—NAMELY, UPHOLSTERED SOFAS AND CHAIRS; AND OCCASIONAL FURNITURE—NAMELY, STEP TABLES, LAMP TABLES, COCKTAIL TABLES, AND DESKS.

Claims use since Aug. 25, 1945, on bedroom furniture; since January 1947 on dining room furniture; since November 1947 on living room furniture; since November 1947 on step tables and lamp tables; and since January 1947 on cocktail tables and desks.

Ser. No. 568,970. MODERN VENETIAN BLINDS, INC., New York, N. Y. Filed Nov. 17, 1948.

ALUMATONE

FOR VENETIAN BLINDS AND SLATS FOR VENETIAN BLINDS.

Claims use since Nov. 1, 1948.

Ser. No. 569,477. REYAM DISTRIBUTORS CORPORATION, New York, N. Y. Filed Nov. 26, 1948.

LITE-A-ROOM ILLUMINATOR

The representation of the goods—namely, the blind with light reflecting vanes, is disclaimed apart from the mark.

FOR BLINDS WITH LIGHT REFLECTING VANES AND VENETIAN BLINDS.

Claims use since Nov. 22, 1948.

Ser. No. 570,580. ROSE-DERBY COMPANY, Newton, Mass. Filed Dec. 15, 1948. (Sec. 2f.)

KANTWET

Applicant claims ownership of Registration No. 350,154.

FOR MATTRESSES, AND INFANTS' PADS, INTENDED FOR USE IN PLAY-PENS, CARRIAGES, CRIBS, AND BASSINETS.

Claims use since June 22, 1936.

Ser. No. 570,907. OKLA HOMER SMITH FURNITURE MFG. CO., INC., Fort Smith, Ark. Filed Dec. 21, 1948.

NOD-A-WAY

FOR INFANTS' AND YOUTHS' FURNITURE—NAMELY, BABY CRIBS, HIGH CHAIRS, BABY BASSINETS, BABY CHIFFOROBES, BABY CHESTS, PLAY PENS, NURSERY CHAIRS, BABY CRIB MATTRESSES, BASSINET PADS, YOUTH BED MATTRESSES, BABY CHAIRS, BABY PLATFORM ROCKERS, BABY ROCKING CHAIRS, AND YOUTH BEDS.

Claims use since Nov. 22, 1948.

Ser. No. 587,667. ACMO VENETIAN BLIND MFG. CO., INC., Chicago, Ill. Filed Nov. 10, 1949.

ACMO

FOR VENETIAN WINDOW BLINDS.

Claims use since Jan. 1, 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 547,747. MCCORD CORPORATION, Detroit, Mich. Filed Jan. 22, 1948. (Sec. 2f.)

McCORD

FOR UNIT HEATERS COMPRISING AN ELECTRIC FAN AND AN ASSEMBLY OF TUBES OR COILS THROUGH WHICH A HEATED FLUID IS CIRCULATED.

Claims use since September 1931.

Ser. No. 555,036. ACE ENGINEERING COMPANY, Chicago, Ill. Filed Apr. 20, 1948.

Ace UNIFLOW

Applicant claims ownership of Registration No. 364,512.

FOR FLUID FUEL BURNERS OF THE INDUSTRIAL AND COMMERCIAL TYPE.

Claims use since Mar. 1, 1947.

Ser. No. 555,037. ACE ENGINEERING COMPANY, Chicago, Ill. Filed Apr. 20, 1948.

Ace UNIFLOW

Applicant claims ownership of Registration No. 364,512.

FOR FLUID FUEL BURNERS OF THE INDUSTRIAL AND COMMERCIAL TYPE.

Claims use since Mar. 1, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 546,581. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Jan. 9, 1948. (Sec. 2f.)

MILLER

Applicant claims ownership of Registrations Nos. 108,804, 135,871, and 245,855.

FOR PNEUMATIC TIRES AND TIRE REPAIR MATERIALS MADE OF OR CONTAINING RUBBER OR RUBBERLIKE SUBSTANCES.

Claims use since May 1946.

Ser. No. 552,717. RICHMOND RUBBER COMPANY, INC., Richmond, Va. Filed Mar. 22, 1948. (Sec. 2f with respect to "Richmond.")

TRAFFIC-TESTED

No claim is made to the words "Tires," "Traffic" or "Tested" apart from the mark as shown. The drawing is lined to indicate red. Applicant claims ownership of Registration No. 406,507.

FOR PNEUMATIC TIRES AND INNER TUBES FOR AUTOMOBILES AND TRUCKS.

Claims use since May 1947; and since April 1941 as to "Richmond."

Ser. No. 554,594. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Apr. 14, 1948.

Aerolux

FOR INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Oct. 1, 1934.

Ser. No. 557,262. COOPER TIRE & RUBBER COMPANY, Findlay, Ohio. Filed May 18, 1948. (Sec. 2f as to "Cooper.")

COOPER CUSHION-RIDE

The words "Cushion-Ride" are disclaimed. Applicant claims ownership of Registration No. 229,028.
FOR AUTOMOBILE TIRES.
Claims use since 1921 as to Cooper; and since Apr. 8, 1948, as to the mark shown.

Ser. No. 564,376. COOPER TIRE & RUBBER COMPANY, Findlay, Ohio. Filed Aug. 30, 1948.

LUGGER

FOR AUTOMOBILE TIRES.
Claims use since July 6, 1948.

Ser. No. 566,040. LAHER SPRING AND TIRE CORPORATION, Oakland, Calif. Filed Sept. 28, 1948.

MOUNTAIN-MASTER

FOR AUTOMOBILE AND TRUCK TIRES AND AUTOMOBILE AND TRUCK BRAKE LINING AND BRAKE BLOCKS MADE OF NONMETALLIC COMPOSITIONS.
Claims use since July 7, 1947.

Ser. No. 566,734. J. A. WEBB BELTING CO., INC., Buffalo, N. Y. Filed Oct. 8, 1948.

SPIDER WEBB

Applicant claims ownership of Registration No 204,131.
FOR MACHINE BELTING COMPOSED OF LEATHER AND ALSO HAVING LEATHER AND CANVAS PLIES.
Claims use since Aug. 12, 1924.

Ser. No. 566,940. VICTOR A. INDIG, doing business as Global Packing Company, San Francisco, Calif. Filed Oct. 13, 1948.

GLOBAL

FOR MECHANICAL PACKINGS OF ASBESTOS, FLAX, RUBBER, AND DUCK AND RUBBER.
Claims use since Sept. 22, 1948.

Ser. No. 567,001. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Oct. 14, 1948.

NCG

The drawing is lined for yellow.
FOR HOSE—NAMELY WELDING HOSE.
Claims use since November 1946.

Ser. No. 569,028. J. A. WEBB BELTING CO., INC., Buffalo, N. Y. Filed Nov. 18, 1948.

PUL-TAN

The word "Tan" is disclaimed
FOR MACHINE BELTING COMPOSED OF LEATHER.
Claims use since Jan. 2, 1930.

Ser. No. 569,029. J. A. WEBB BELTING CO., INC., Buffalo, N. Y. Filed Nov. 18, 1948.

REG-TAN

The word "Tan" is disclaimed
FOR MACHINE BELTING COMPOSED OF LEATHER.
Claims use since Jan. 2, 1930.

Ser. No. 569,030. J. A. WEBB BELTING CO., INC., Buffalo, N. Y. Filed Nov. 18, 1948.

WEB-TAN

The word "Tan" is disclaimed.
FOR MACHINE BELTING COMPOSED OF LEATHER.
Claims use since Jan. 2, 1930.

Ser. No. 570,358. BROWNING MANUFACTURING COMPANY, Maysville, Ky. Filed Dec. 11, 1948. (Sec. 2f.)

GRIPBELT

Applicant claims ownership of Registrations Nos. 334,239 and 511,897.
FOR RUBBER BELTING, SHEAVES, AND V BELT DRIVES.
Claims use since August 1932.

Ser. No. 571,388. ACCURATE PARTS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 10, 1948. (Sec. 2f.)

The Accurate Line

Applicant claims ownership of Registration No. 318,741.
FOR CLUTCH FACINGS AND PISTON RINGS.
Claims use since July 1, 1925.

Ser. No. 579,295. THE S AND M COMPANY, Minneapolis, Minn. Filed May 21, 1949. (Sec. 2f.)

Remington

Applicant claims ownership of Registration No. 401,630.
FOR PNEUMATIC RUBBER TIRES AND TUBES.
Claims use since May 1, 1940.

Ser. No. 580,543. ZIMMERMAN PACKING COMPANY, Norwood, Ohio. Filed June 15, 1949.

SPEARHEAD

FOR GASKET MATERIAL IN SHEET FORM.
Claims use since Apr. 5, 1948.

Ser. No. 580,982. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed June 24, 1949.

Velón

FOR GARDEN HOSE.
Claims use since Mar. 31, 1949.

Ser. No. 581,120. THE H. O. CANFIELD CO., Bridgeport, Conn. Filed June 27, 1949.

BLUE CHIP

FOR FLAT BIBB, BEVELED BIBB, SYPHON, TANK, AND SPUD WASHERS MADE OF NON-METALLIC AND/OR A COMBINATION OF METALLIC AND NON-METALLIC MATERIALS, BATH, SINK AND BASIN GASKETS.
Claims use since May 20, 1949.

Ser. No. 581,946. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 14, 1949.

JET·C·M

FOR PNEUMATIC TIRES.
Claims use since Feb. 7, 1949.

Ser. No. 582,119. ARMOUR AND COMPANY, Chicago, Ill. Filed July 18, 1949.

CONE-MASTER

FOR LEATHER BELTING.
Claims use since June 9, 1949.

Ser. No. 583,603. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 17, 1949.

STOP-START

FOR TIRES, COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER.
Claims use since 1935.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 568,579. VINCENT CASTIGLIONE, doing business as Castiglione Accordion Company, Detroit, Mich. Filed Nov. 12, 1948.

B. Burini

The mark is fanciful and does not identify any individual.
FOR ACCORDIONS.
Claims use since Feb. 15, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 558,054. NEW ONYX AND PLASTIC NOVELTY CO., INC., Brooklyn, N. Y. Filed May 28, 1948.

"MARVEL"

FOR FOUNTAIN PENS.
Claims use since May 15, 1946.

Ser. No. 559,396. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Feb. 14, 1948.

WVP&PCo.

The trade-mark consists of a monogram of the letters WVP&PCo. Applicant claims ownership of Registration No. 122,558.
FOR BOOK PAPERS, WRITING PAPER, PRINTING PAPERS, SANITARY PAPER IN THE FORM OF SHEETS OR ROLLS FOR WRAPPING FOOD AND FOR MAKING FOOD CONTAINERS, AND CONVERTING PAPERS.
Claims use since 1906.

Ser. No. 571,044. LOUIS PRICE, doing business as Price Paper Company, New York, N. Y. Filed Dec. 23, 1948.

Harpac

FOR PAPER USED FOR WRAPPING PURPOSES.
Claims use since July 1, 1948.

Ser. No. 574,979. SANITARY PAPER MILLS, INCORPORATED, East Hartford, Conn. Filed Mar. 5, 1949.

DOVALETTES

FOR CLEANSING TISSUES AND TOILET PAPER.
Claims use since Aug. 1, 1928.

Ser. No. 574,980. SANITARY PAPER MILLS, INCORPORATED, East Hartford, Conn. Filed Mar. 5, 1949.

WIPETTES

FOR ABSORBENT FACIAL TISSUES, CLEANSING TISSUES, AND TOILET TISSUES.
Claims use since Dec. 15, 1936.

CLASS 39

CLOTHING

Ser. No. 511,667. BLUE BUCKLE OVERALL COMPANY, INC., Lynchburg, Va., assignor to Blue Ridge Manufacturers, Inc., Lynchburg, Va., a corporation of Virginia. Original filed, act of 1905, Oct. 29, 1946; amended to application under act of 1946, Principal Register, Oct. 22, 1947. (Sec. 2f.)

BILL
BLUE BUCKLE

Applicant is the owner of the trade-mark "Blue Buckle" Registration Number 116,433, dated May 1, 1917, renewed. Applicant makes no exclusive claim to the use of a blue colored buckle on its goods. Applicant claims ownership of Registration No. 116,433.
FOR OVERALLS, COATS, DUNGAREES, WORK PANTS, WORK SHIRTS, AND ONE PIECE WORK SUITS.
Claims use since Aug. 1, 1946.

Ser. No. 512,132. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Original filed, act of 1905, Nov. 6, 1946; amended to application under act of 1946, Principal Register, Aug. 8, 1947.

"COMFO"

FOR MEN'S AND BOYS' BELTS, GARTERS, SUSPENDERS, BRACES, AND ARM BANDS FOR WEARING APPAREL.
Claims use since 1937.

Ser. No. 530,321. KLINE'S, INC., St. Louis, Mo. Original filed, act of 1946, Supplemental Register, Aug. 2, 1947; amended to application, Principal Register, May 7, 1948. (Sec. 2f.)

Creighton

Applicant claims ownership of Registration No. 371,593.
FOR WOMEN'S AND MISSES' COATS AND SUITS.
Claims use since July 27, 1938.

Ser. No. 539,764. LOUIS SHLANSKY CORPORATION, New York, N. Y. Filed Oct. 31, 1947.

HALLDON LTD

FOR JUNIORS' AND MISSES' COATS AND SUITS.
Claims use since Oct. 10, 1947.

Ser. No. 540,219. VESTA UNDERWEAR COMPANY, Pawtucket, R. I. Filed Nov. 5, 1947.

BAL-GOWNS

The word "Gowns" is disclaimed. Applicant claims ownership of Registration No. 288,778.
FOR LADIES' UNDERGARMENTS — NAMELY, NIGHTGOWNS AND BED JACKETS.
Claims use since Mar. 11, 1931.

Ser. No. 540,531. DONNELLY GARMENT COMPANY, Kansas City, Mo. Filed Nov. 8, 1947. (Sec. 2f.)

FAIR WEATHER SUITS by Nelly Don

"Fair Weather Suits" are disclaimed apart from the mark. The name "Nelly Don" is fanciful. Applicant claims ownership of Registrations Nos. 226,675, 428,295, 155,669, and 282,586.
FOR SUIT CONSISTING OF SKIRT AND JACKET; OR DRESS AND JACKET; OR SKIRT, JACKET AND DICKEY; OR SKIRT, JACKET AND BLOUSE.
Claims use since July 6, 1944.

Ser. No. 543,656. MAXTAN, BRASSIERES, Brooklyn and New York, N. Y. Filed Dec. 6, 1947.

Do-all

FOR BRASSIÈRES.
Claims use since May 1, 1947.

Ser. No. 553,753. TRELLEBORGS GUMMIFABRIKS AKTIEBOLAG, Trelleborg, Sweden. Filed Apr. 2, 1948.

Akvarex

Applicant claims ownership of Swedish Registration No. 59,814, dated May 18, 1945.
FOR RUBBER RAIN COATS; TRENCH COATS; RAIN COATS OF IMPREGNATED FABRIC; GABARDINE COATS; OVERCOATS; ULSTERS; AND OTHER OUTER CLOTHING IN THE FORM OF COATS AND CLOAKS FOR MEN, WOMEN, AND CHILDREN; FUR NECKPIECES, COATS AND JACKETS; SUITS FOR MEN, WOMEN AND CHILDREN; TROUSERS FOR MEN AND BOYS; DRESSES; GOWNS; HATS AND CAPS FOR MEN AND BOYS; NECK PROTECTORS; CRAVATS; NECKTIES; COLLARS; DRESS AND WORK SHIRTS FOR MEN AND BOYS; UNDERSHIRTS AND DRAWERS; PULL-OVER SWEATERS; JUMPERS; BLOUSES; SKIRTS; UNDERSKIRTS; CORSETS; BRASSIÈRES AND CAMISOLES; SCARVES; BELTS; SUSPENDERS; UNIFORMS; OVERALLS; SHOES OF LEATHER AND RUBBER; BOOTS; GALOSHES; OVERSHOES; GLOVES OF LEATHER, FABRIC AND COMBINATIONS THEREOF; APRONS; SWIM SUITS; PLAY DRESSES AND SUNSUITS; AND PROTECTIVE SUITS OF GUMMED FABRIC, LEATHER SUITS, AND GAS PROTECTIVE SUITS OF RUBBER FOR INDUSTRIAL USE.

Ser. No. 556,838. S. STROOCK & CO. INC., New York, N. Y. Filed May 11, 1948.

KUDDLIN

Applicant claims ownership of Registration No. 392,803.
FOR WOMEN'S COATS.
Claims use since September 1939.

Ser. No. 556,839. S. STROOCK & CO. INC., New York, N. Y. Filed May 11, 1948.

MOLLENDO

Applicant claims ownership of Registration No. 354,972.
FOR WOMEN'S COATS.
Claims use since Nov. 13, 1936.

Ser. No. 556,943. ARKWRIGHT, INCORPORATED, New York, N. Y. Filed May 13, 1948.

EDITH DALE

The name is fanciful. Applicant claims ownership of Registration No. 251,002.
FOR COATS AND DRESSES FOR WOMEN, MISSES AND JUNIORS.
Claims use since Oct. 14, 1927.

Ser. No. 559,417. MORRIS B. SACHS, INC., Chicago, Ill. Filed Feb. 28, 1948. (Sec. 2f.)

Downing

Applicant claims ownership of Registration No. 401,625.
FOR MEN'S AND BOYS' SUITS AND OVERCOATS AND LADIES' COATS, SUITS, DRESSES, FUR COATS, FUR SCARVES, FUR JACKETS, FUR MUFFS, AND FUR GLOVES.
Claims use since Jan. 12, 1941.

Ser. No. 559,614. JAY-THORPE, INC., New York, N. Y. Filed June 18, 1948.

Manon

FOR GLOVES MADE OF LEATHER, FABRIC, OR A COMBINATION THEREOF.
Claims use since September 1934.

Ser. No. 560,939. SIDNEY J. STERN & Co., Chicago, Ill. Filed July 8, 1948.

NuVue

FOR HOSIERY.
Claims use since May 5, 1948.

Ser. No. 562,617. THE SILVERTEX COMPANY, Philadelphia, Pa. Filed July 31, 1948.

Royal Spruce

FOR MEN'S, BOYS', WOMEN'S, AND CHILDREN'S OUTER GARMENTS—NAMELY, SUITS, COATS, VESTS, PANTS, SLACKS, JACKETS, SKIRTS, OVERCOATS, TOPCOATS, RAINCOATS, MACKINAWS, DUSTERS, ULSTERS, SHIRTS AND SPORT SHIRTS.
Claims use since November 1943.

Ser. No. 564,368. CARL A. ANDERSON, doing business as The C. A. Anderson Co., Athens, Tenn. Filed Aug. 30, 1948.

TENNESOX

FOR MEN'S AND BOYS' DRESS SOCKS, MADE OF SILK, RAYON AND NYLON AND/OR ANY COMBINATION THEREOF, AND WOMEN'S AND GIRLS' STOCKINGS.
Claims use since Oct. 17, 1947.

Ser. No. 564,448. HASPEL BROTHERS, INC., New Orleans, La. Filed Aug. 31, 1948.

Sir Perior

The mark shown is "Sir Perior" which is purely fanciful.
FOR MEN'S AND BOYS' SUITS, COATS, PANTS, TROUSERS, AND VESTS.
Claims use since Apr. 1, 1948.

Ser. No. 565,042. HULDA COFFMAN, Desota, Kans. Filed Sept. 13, 1948. (Sec. 2f.)

BRASSIERE NATURAL

The drawing is lined for shading only. The word "Brassiere" is disclaimed.
FOR BRASSIÈRES.
Claims use since Sept. 1, 1932.

Ser. No. 566,386. GOOD LAD CO. (ALSO KNOWN AS GOOD LAD), Philadelphia, Pa. Filed Oct. 4, 1948.

BOX-O-TAB

The word "Tab" is disclaimed.
FOR TROUSERS.
Claims use since Sept. 22, 1948.

Ser. No. 566,666. TANYA SMITH, doing business as Selection de Tanya, New York, N. Y. Filed Oct. 7, 1948.



The word "Selection" is disclaimed.
FOR NECKTIES.
Claims use since Sept. 22, 1948.

Ser. No. 567,639. LAUREL FASHIONS, INC., New York, N. Y., assignor to Leon Goldstein and Charlotte Goldstein, jointly. Filed Oct. 26, 1948.

Vary-ette

FOR CHILDREN'S AND WOMEN'S BLOUSES, DRESSES AND SUITS.
Claims use since Oct. 18, 1948.

Ser. No. 567,647. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Oct. 26, 1948.

Cooltimer

FOR WOMEN'S AND MISSES' COATS AND SUITS.
Claims use since Aug. 1, 1948.

Ser. No. 568,082. WEBER AND HEILBRONER, INC., New York, N. Y. Filed Nov. 2, 1948.

PAMPAS

FOR MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS, UNDERWEAR, SOCKS, AND NECKTIES, AND WOMEN'S SUITS, COATS, BLOUSES, DRESSES, HOSIERY, AND SHOES.
Claims use since Sept. 1, 1948.

Ser. No. 569,410. STERLING CLOTHING HOUSE, New York, N. Y. Filed Nov. 24, 1948.

MacLen

FOR MEN'S SUITS, TOPCOATS, AND SPORT COATS.
Claims use since Nov. 8, 1948.

Ser. No. 570,044. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Dec. 6, 1948.

CARSONAIRE

FOR WOMEN'S JUNIOR SIZE SUITS.
Claims use since Aug. 13, 1948.

Ser. No. 570,357. ARKAY JUNIOR FROCKS, INC., New York, N. Y. Filed Dec. 11, 1948.

Arkay

Applicant claims ownership of Registration No. 245,054.
FOR MISSES' AND WOMEN'S DRESSES.
Claims use since Feb. 1, 1946.

Ser. No. 570,458. ZIMMERMAN-SCHER, INC., New York, N. Y. Filed Dec. 13, 1948.

"ADDA"

Applicant claims ownership of Registration No. 403,495.
FOR FUR SCARFS.
Claims use since January 1943.

Ser. No. 570,561. JULIUS KAYSER & Co., New York, N. Y. Filed Dec. 15, 1948.

Beddy-Bye

FOR CHILDREN'S SLEEPING GARMENTS.
Claims use since Nov. 23, 1948.

Ser. No. 571,401. BETMAR HATS, INC., New York, N. Y. Filed Dec. 31, 1948.

Binjee

FOR WOMEN'S CAPS.
Claims use since Nov. 1, 1948.

Ser. No. 571,597. HELEN BENNETT, New York, N. Y. Filed Jan. 4, 1949.

Helen Bennett

The name Helen Bennett is a facsimile of the signature of the applicant.
FOR LADIES' WEARING APPAREL — NAMELY, WOMEN'S DRESSES, BLOUSES, HATS, AND BERETS.
Claims use since Dec. 16, 1948.

Ser. No. 571,663. GARY ROBERTS, INC., New York, N. Y. Filed Jan. 5, 1949.

Blakestone

FOR DRESSES FOR WOMEN AND MISSES.
Claims use since Dec. 3, 1948.

Ser. No. 571,670. TONIGHT, INC., New York, N. Y. Filed Jan. 5, 1949.

"Tonight"

FOR DRESSES.
Claims use since Dec. 13, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 570,225. QUAKER LACE COMPANY, Philadelphia, Pa. Filed Dec. 8, 1948. (Sec. 2f.)

FILET GRANDEE

FOR NET CURTAINS.
Claims use since Feb. 22, 1922.

Ser. No. 570,569. MOORESVILLE MILLS, INC., Mooresville, N. C. Filed Dec. 15, 1948.

DRAWING ROOM

FOR RAYON DRAPERY FABRIC.
Claims use since Oct. 16, 1948.

Ser. No. 578,400. MIRON MILLS, INC., Clinton, Mass. Filed May 7, 1949.

WORSTASHEEN

FOR WOOL FABRICS IN THE PIECE.
Claims use since Mar. 17, 1949.

Ser. No. 579,483. COHN-HALL-MARX CO., New York, N. Y. Filed May 25, 1949.

WASHLINER

FOR PIECE GOODS OF WOOL, COTTON, RAYON, NYLON, AND/OR SILK OR COMBINATIONS THEREOF.
Claims use since Apr. 7, 1949.

Ser. No. 579,650. AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y. Filed May 28, 1949.

SHARK-TIC

FOR WOOLEN PIECE GOODS.
Claims use since May 12, 1949.

Ser. No. 580,049. CROMPTON COMPANY, Crompton, R. I. Filed June 7, 1949.

HOLLOW TONE TONE

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK AND SYNTHETIC FIBERS.
Claims use since May 13, 1949.

Ser. No. 580,129. FULD BROTHERS, New York, N. Y. Filed June 8, 1949.

WRAPPIE

FOR BLANKETS AND COMFORTABLES.
Claims use since May 2, 1949.

Ser. No. 580,253. MIRON MILLS, INC., Clinton, Mass. Filed June 10, 1949.

MIRALTON

FOR WOOL FABRICS IN THE PIECE.
Claims use since Apr. 12, 1949.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 540,039. COMMERCIAL SYRUP CO. INC., New York, N. Y. Filed Nov. 4, 1947.

ORCHID

FOR SYRUPS, LIQUID FLAVORING EXTRACTS AND FRUIT FLAVORS USED IN THE PREPARATION OF NON-ALCOHOLIC, MALTLESS SOFT DRINKS.
Claims use since Nov. 15, 1940.

Ser. No. 542,538. S. J. CORMANY, JR., doing business as Million Dollar Grape Co., Mount Vernon, Ill. Filed Nov. 28, 1947.



The word "Sweet" is disclaimed.
FOR NON-ALCOHOLIC MALTLESS SOFT DRINK BEVERAGES.
Claims use since July 6, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 505,509. G. J. MARKHAM, Lowry, Va. Original filed, act of 1905, July 12, 1946; amended to application under act of 1946, Principal Register, Nov. 8, 1948.



FOR CANNED VEGETABLES.
Claims use since June 15, 1927.

Ser. No. 519,478. ATHANASIOS K. MELLOS, doing business as Mellos Peanut Company, Los Angeles, Calif. Original filed, act of 1905, Mar. 24, 1947; amended to application under act of 1946, Principal Register, Nov. 17, 1949. (Sec. 2f.)



FOR POPPED AND SALTED POPCORN.
Claims use since Jan. 18, 1944.

Ser. No. 528,100. THE JERSEE COMPANY, doing business as Security Food Company, Minneapolis, Minn. Filed July 7, 1947.

SECURITY

Applicant claims ownership of Registration No. 102,066.
FOR CONCENTRATED FOOD PRODUCT, CONSISTING OF A MIXTURE OF VITAMINS, MILK AND MINERALS IN THE FORM OF A DRY PRE-MIX ADDED TO LIVESTOCK AND POULTRY FEEDS.
Claims use since June 1, 1902.

Ser. No. 528,405. ARMOUR AND COMPANY, Chicago, Ill. Filed July 12, 1947.

Calabrese

FOR SAUSAGE.
Claims use since 1932.

Ser. No. 528,410. ARMOUR AND COMPANY, Chicago, Ill. Filed July 12, 1947. (Sec. 2f.)

MUENCHENER

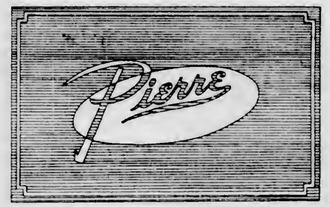
FOR SAUSAGE.
Claims use since 1917.

Ser. No. 531,688. LESLIE SALT CO., Wilmington, Del., and San Francisco, Calif. Filed Aug. 18, 1947. (Sec. 2f.)

LESLIE

Applicant claims ownership of Registration No. 232,735.
FOR SALT.
Claims use since September 1902.

Ser. No. 532,132. PIERRE FRENCH ICE CREAM, INC., Brooklyn, N. Y. Filed Aug. 22, 1947.



The lining indicates blue.
FOR ICE CREAM.
Claims use since June 2, 1947.

Ser. No. 535,333. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 23, 1947.

CHOC-NICKEL

Applicant claims ownership of Registrations Nos. 301,067, 310,480, 317,207, 317,208, 350,386, 350,387, 353,472, 354,479, 356,523, 356,524, 358,808, and 359,661.
FOR FROZEN CONFECTIONS AND FLAVORING MATERIALS FOR MAKING THE SAME — NAMELY, CHOCOLATE POWDER.
Claims use since July 7, 1947.

Ser. No. 536,050. CINDERELLA FOODS DIVISION OF STEVENS INDUSTRIES, INC., Dawson, Ga. Filed Sept. 29, 1947.

Cinderella

Applicant claims ownership of Registration No. 88,925.
FOR PEANUT BUTTER, PEANUT BUTTER SANDWICHES, SALAD DRESSING, SALTED PEANUTS, OLEOMARGARINE, MUSTARD, FRUIT PRESERVES, JAMS, CANNED FRUITS, CANNED VEGETABLES, CANDY, JELLIES.
Claims use since April 1885.

Ser. No. 537,033. FISH CANNERIES OF TASMANIA PROPRIETARY LIMITED, Launceston, Tasmania, Australia, and elsewhere. Filed Oct. 7, 1947.

TASFISCAN

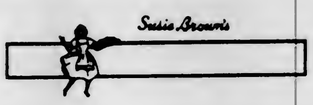
Applicant claims ownership of Australian Registration No. 81,965, dated Aug. 5, 1944.
FOR MEAT PRODUCTS—NAMELY, SQUAB OF THE MUTTON BIRD, AND FISH PRODUCTS—NAMELY, FILLETS BOTH FROZEN AND CANNED.

Ser. No. 537,830. ROCHELLE ASPARAGUS COMPANY, Rochelle, Ill. Filed Oct. 14, 1947. (Sec. 2f.)

Rochelle

Applicant claims ownership of Registration No. 354,858.
FOR CANNED ASPARAGUS.
Claims use since Nov. 22, 1935.

Ser. No. 540,770. LESTER BROWN & CO., Laureldale, Pa. Filed Nov. 12, 1947.



The representation of the girl is fanciful. The name "Susie Brown" does not identify any particular living individual, but is merely fanciful.
FOR CANDIES.
Claims use since Aug. 7, 1947.

Ser. No. 546,176. THE BAMA COMPANY, Birmingham, Ala. Filed Jan. 5, 1948.



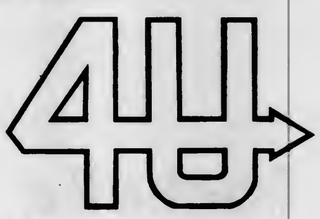
Applicant claims ownership of Registrations Nos. 298,091 and 416,523.
FOR FRUIT PRESERVES, JELLIES, PEANUT BUTTER, APPLE BUTTER, SALAD DRESSING, JAMS, SALAD RELISH, AND MAYONNAISE.
Claims use since Aug. 1, 1931.

Ser. No. 546,848. GUST FREY & SON, Lodi, Calif. Filed Jan. 13, 1948. (Sec. 2f.)

FREY

Applicant claims ownership of Registration No. 260,410.
FOR FRESH GRAPES.
Claims use since June 1, 1928.

Ser. No. 548,358. FREI BROS., Santa Rosa, Calif. Filed Jan. 30, 1948.



FOR FRESH APPLES, EVAPORATED APPLES.
Claims use since July 1, 1924.

Ser. No. 548,415. I. F. SCHNIER, doing business as Robert-Frank Company, San Francisco, Calif. Filed Jan. 30, 1948.

CONFERENCE

Applicant claims ownership of Registration No. 430,093.
FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT COCKTAIL, CANNED FISH, TOMATO CATSUP, AND OLIVES IN GLASS.
Claims use since September 1946.

Ser. No. 552,714. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 22, 1948.

CHICK STARTENA

In this application, applicant makes no claim to the word "Chick" apart from the mark shown. Applicant claims ownership of Registration No. 172,437.
FOR POULTRY FEED—NAMELY, MASH.
Claims use since Nov. 13, 1922.

Ser. No. 553,591 FLOUR MILLS OF AMERICA, INC., doing business as Goodlander Mills Company, Kansas City, Mo., and Fort Scott, Kans. Filed Apr. 1, 1948.



FOR WHEAT FLOUR.
Claims use since April 1923.

Ser. No. 553,592. FLOUR MILLS OF AMERICA, INC., doing business as Anthony Mills, Kansas City, Mo., and Alva, Okla. Filed Apr. 1, 1948.



The portrait of the individual is fanciful. The lines represent shading only.
FOR WHEAT FLOUR.
Claims use since April 1923.

Ser. No. 553,599. FLOUR MILLS OF AMERICA, INC., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Filed Apr. 1, 1948.



The individual depicted is fanciful. The lines are for shading purposes only.
FOR WHEAT FLOUR.
Claims use since Apr. 10, 1913.

Ser. No. 556,342. INTERNATIONAL PACKERS COMMERCIAL CO. INC., Chicago, Ill. Filed May 6, 1948.

TUCO

FOR SPAGHETTI SAUCE WITH MEAT.
Claims use since Dec. 14, 1947.

Ser. No. 559,052. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.



The representation of the bust of a man is fanciful. Applicant claims ownership of Registrations Nos. 26,253, 56,708, 57,620, 64,123, 64,151, 67,483, 26,254, 54,541, 56,706, 64,270, 67,441, 26,252, 54,635, 54,568, 56,707, 67,484, 67,485, 29,632, 348,834, 292,706, 142,321, 399,859, 199,430, 199,431, 397,075, 322,153, 391,398, 392,095, and 102,012.
FOR OATS, MACARONI, SPAGHETTI, RICE FLAKES, CORN FLAKES, WHEAT FLAKES, HOMINY GRITS, PUFFED WHEAT, PUFFED RICE, BARLEY, SHREDDED WHEAT BISCUITS, FARINA, CORN MEAL. ROLLED WHOLE WHEAT CEREAL, EGG NOODLES, AND BLEACHED WHEAT FLOUR, ALL FOR HUMAN CONSUMPTION.
Claims use on quick Quaker oats since Jan. 14, 1946; on Quaker enriched yellow corn meal since Apr. 26, 1946; Quaker enriched yellow hominy grits since July 1, 1946; Quaker scotch brand pearled barley since Aug. 18, 1945; Quaker puffed wheat sparkies since Nov. 30, 1945; Quaker puffed rice sparkies since Nov. 29, 1945; Quaker milk macaroni since July 16, 1945; Quaker milk spaghetti since July 10, 1945; Quaker egg noodles since Aug. 22, 1945; Muffets brand shredded wheat biscuits since May 1945; Quaker corn flakes since Nov. 16, 1945; Quaker wheat flakes since May 25, 1945; Quaker rice flakes since Nov. 16, 1945; Pettijohns rolled whole wheat since Nov. 2, 1945; Quaker enriched farina since Nov. 25, 1946; and on Quaker best enriched flour since September 1946.

Ser. No. 559,053. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.



The representation of the bust of a man is fanciful. Applicant claims ownership of Registrations Nos. 26,253, 56,708, 57,620, 64,123, 64,151, 67,483, 26,254, 54,541, 56,706, 64,270, 67,441, 26,252, 54,635, 54,568, 56,707, 67,484, 67,485, 29,632, 348,834, 292,706, 142,321, 399,859, 199,430, 199,431, 397,075, 322,153, 391,398, 392,095, and 102,012.
FOR OATS, RICE FLAKES, WHEAT FLAKES, CORN FLAKES, FARINA, ROLLED WHOLE WHEAT CEREAL, BLEACHED WHEAT FLOUR, SHREDDED WHEAT BISCUITS, PUFFED RICE, AND PUFFED WHEAT, ALL FOR HUMAN CONSUMPTION.
Claims use since May 25, 1945.

Ser. No. 559,054. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.



The representation of the bust of a man is fanciful. Applicant claims ownership of Registrations Nos. 26,253, 56,708, 57,620, 64,123, 64,151, 67,483, 26,254, 54,541, 56,706, 64,270, 67,441, 26,252, 54,635, 54,568, 56,707, 67,484, 67,485, 29,632, 348,834, 292,706, 142,321, 399,859, 199,430, 199,431, 397,075, 322,153, 391,398, 392,095, and 102,012.
FOR OATS, BARLEY, EGG NOODLES, MACARONI, SPAGHETTI, HOMINY GRITS, AND CORN MEAL, ALL FOR HUMAN CONSUMPTION.
Claims use since September 1877 as to Quaker

figure; and since 1898 as to Quaker head alone; on quick Quaker oats since Oct. 30, 1946; on Quaker enriched white corn meal since Sept. 14, 1946; on Quaker enriched yellow corn meal since Apr. 25, 1946; on Quaker enriched hominy grits since Sept. 12, 1946; on Quaker enriched yellow grits since July 1, 1946; on Quaker Scotch brand pearled barley since Aug. 18, 1945; on Quaker milk macaroni since July 16, 1945; on Quaker milk spaghetti since July 10, 1945; and on Quaker egg noodles since Aug. 22, 1945.

Ser. No. 559,055. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.



The representation of the head of a baby is fanciful. Applicant claims ownership of Registrations Nos. 26,253, 56,708, 57,620, 64,123, 64,151, 67,483, 26,254, 54,541, 56,706, 64,270, 67,441, 67,485, 29,632, 292,706, 142,321, 399,859, 199,430, 199,431, 397,075, 322,153, 391,398, 102,012.

FOR FARINA.

Claims use since Nov. 25, 1946.

Ser. No. 559,056. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 11, 1948.

QUAKER



The representation of the bust of a man is fanciful. Applicant claims ownership of Registrations Nos. 26,253, 56,708, 57,620, 64,123, 64,151, 67,483, 26,254, 54,541, 56,706, 64,270, 67,441, 26,252, 54,635, 54,568, 56,707, 67,484, 67,485, 29,632, 348,834, 292,706, 142,321, 399,859, 199,430, 199,431, 397,075, 322,153, 391,398, 392,095, and 102,012.

FOR OATS AND HOMINY GRITS FOR HUMAN CONSUMPTION.

Claims use since September 1877 as to Quaker figure; since 1898 as to Quaker head and word "Quaker" in block letters; since July 1, 1946, on grits; and since Dec. 9, 1946, on oats.

Ser. No. 562,991. FREI BROS., Santa Rosa, Calif. Filed Aug. 7, 1948.

APPLE FIX

No claim is made to the word "Apple" apart from the mark as shown.

FOR DEHYDRATED APPLES.

Claims use since July 16, 1948.

Ser. No. 568,030. COMMANDER-LARABEE MILLING COMPANY, doing business as Minneapolis Milling Co., Minneapolis, Minn. Filed Nov. 2, 1948.

MINNEAPOLIS ACE

The word "Minneapolis" is disclaimed. Applicant claims ownership of Registration No. 220,832.

FOR WHEAT FLOUR.

Claims use since January 1938.

Ser. No. 568,031. COMMANDER-LARABEE MILLING COMPANY, doing business as Minneapolis Milling Co., Minneapolis, Minn. Filed Nov. 2, 1948.

MINNEAPOLIS KING

The word "Minneapolis" is disclaimed. Applicant claims ownership of Registrations Nos. 220,832 and 240,356.

FOR WHEAT FLOUR.

Claims use since January 1938.

Ser. No. 568,034. COMMANDER-LARABEE MILLING COMPANY, doing business as Big Diamond Mills Co., Minneapolis, Minn. Filed Nov. 2, 1948.

KING of DIAMONDS

Applicant claims ownership of Registration No. 138,425.

FOR WHEAT FLOUR.

Claims use since Jan. 1, 1938.

Ser. No. 568,036. COMMANDER-LARABEE MILLING COMPANY, doing business as Northland Milling Co., Minneapolis, Minn. Filed Nov. 2, 1948.

NORTHLAND SUPERLATIVE

The word "Superlative" is disclaimed.

Applicant claims ownership of Registrations Nos. 265,300 and 271,383.

FOR WHEAT FLOUR.

Claims use since Jan. 1, 1938.

Ser. No. 568,037. COMMANDER-LARABEE MILLING COMPANY, doing business as Northland Milling Co., Minneapolis, Minn. Filed Nov. 2, 1948.

SPRINGUP

FOR WHEAT FLOUR.

Claims use since Jan. 1, 1938.

Ser. No. 570,877. HAROLD M. PARKS, Seattle, Wash. Filed Dec. 20, 1948.

RED PRIDE

The word "Red" is disclaimed.

FOR CANNED SALMON.

Claims use since Sept. 23, 1948.

Ser. No. 570,878. HAROLD M. PARKS, Seattle, Wash. Filed Dec. 20, 1948.

SILVER PRIDE

The word "Silver" is disclaimed.

FOR CANNED SALMON.

Claims use since Sept. 23, 1948.

Ser. No. 572,442. MILLER & HOLLIS, INC., also doing business as Longwood Chocolates Company, Boston, Mass. Filed Jan. 19, 1949. (Sec. 2f.)

LONGWOOD

FOR CHOCOLATES.

Claims use since August 1943.

Ser. No. 572,648. FISHER DAIRY AND CHEESE COMPANY, Wapakoneta, Ohio. Filed Jan. 24, 1949.

Country Charm

FOR CHEDDAR CHEESE FOOD.

Claims use since Jan. 5, 1949.

Ser. No. 572,910. HAROLD MULLER-THYM, doing business as H. Muller-Thym, Haverford, Pa. Filed Jan. 27, 1949.

M-T Brand

The word "Brand" is disclaimed.

FOR NONFAT DRIED MILK SOLIDS, AND SWEETENED CONDENSED SKIM MILK.

Claim use since Jan. 11, 1949.

Ser. No. 573,569. PHENIX PABST-ETT COMPANY, Chicago, Ill. Filed Feb. 9, 1949. (Sec. 2f.)

GELFAND'S

FOR MAYONNAISE, FRENCH DRESSING, AND SANDWICH SPREAD.

Claims use since 1918.

Ser. No. 575,031. ARCADY FARMS MILLING COMPANY, Chicago, Ill. Filed Mar. 8, 1949.

SUNKIST

FOR HORSE FEED COMPOSED PRINCIPALLY OF GRAINS AND ALFALFA MEAL; HOG FEED COMPOSED PRINCIPALLY OF FISH, SOYBEAN, LINSEED, ALFALFA AND BONE MEAL, TANKAGE, AND WHEAT FLOUR MIDDS; CHICKEN FEED COMPOSED PRINCIPALLY OF GRAINS, OIL MEAL, ALFALFA MEAL, CONDENSED BUTTERMILK, AND FISH MEAL; AND RABBIT FEED COMPOSED PRINCIPALLY OF GRAINS, OIL MEAL, AND ALFALFA MEAL.

Claims use since April 1923.

Ser. No. 588,936. LOUIS BURK, INCORPORATED, Philadelphia, Pa. Filed Dec. 7, 1949. (Sec. 2f.)

Burk's

Applicant claims ownership of Registrations Nos. 96,938 and 230,488.

FOR MEAT PRODUCTS—NAMELY, BACON, SALAMI, LIVERWURST, PORK SAUSAGE, BEEF AND PORK SAUSAGES, MINCED LUNCHEON SAUSAGE, FRANKFURTERS, SMOKED SAUSAGE, SCRAPPLE, AND SMOKED PORK SHOULDER BUTTS.

Claims use since 1879.

CLASS 47

WINES

Ser. No. 572,124. SCHENLEY DISTILLERS CORPORATION, also doing business as Triangle Vineyards, New York, N. Y. Filed Jan. 13, 1949.

Pinafore

FOR WINE.

Claims use since May 20, 1948.

Ser. No. 572,158. JOSE BUSTAMANTE S. L., Jerez de la Frontera, Spain. Filed Jan. 14, 1949.



Applicant claims ownership of Spanish Registration No. 183,812, dated Jan. 30, 1948.

FOR WINES.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 502,977. HORLACHER BREWING COMPANY, Allentown, Pa. Original filed, act of 1905, May 29, 1946; amended to application under act of 1946, Principal Register, July 5, 1947. (Sec. 2f as to "Perfection.")





Applicant disclaims the numeral "9," and all verbiage except the word "Perfection" apart from the mark as a whole.
FOR BEER.
Claims use since May 2, 1946.

Ser. No. 548,157. GULF BREWING COMPANY, Houston, Tex. Filed Jan. 28, 1948.



Applicant claims ownership of Registrations Nos. 398,757 and 401,005.
FOR LAGER BEER.
Claims use since Dec. 14, 1933.

Ser. No. 571,599. EDELBREW BREWERY, INC., Brooklyn, N. Y. Filed Jan. 4, 1949.

Copenhagen Castle

No claim is made to the word "Copenhagen" apart from the mark as shown.
FOR BEER.
Claims use since Dec. 31, 1948.

Ser. No. 575,601. SCHOENHOFEN EDELWEISS COMPANY, Chicago, Ill. Filed Mar. 17, 1949.

Edelweiss

Applicant claims ownership of Registrations Nos. 13,147, 13,148, and 53,428.
FOR BEER AND ALE.
Claims use since Jan. 21, 1886.

Ser. No. 577,343. RAINIER BREWING COMPANY, San Francisco, Calif. Filed Apr. 18, 1949.



Applicant claims ownership of Registrations Nos. 101,651, 132,496, and others.
FOR BEER.
Claims use since Mar. 23, 1949, on the mark shown; and since Jan. 1, 1893, on the mark "Rainier."

Ser. No. 587,779. STERLING BREWERS, INC., Evansville, Ind. Filed Nov. 21, 1949. (Sec. 2f.)

Sterling

Applicant claims ownership of Registrations Nos. 112,495, 306,673, 331,035, 331,468, 332,040, 394,670, and 394,929.
FOR MALT PRODUCTS—NAMELY, BEER AND ALE.
Claims use since 1893 as to "Sterling," and since Nov. 1, 1934, as shown.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 551,704. ESBECO DISTILLING CORPORATION, Stamford, Conn. Filed Mar. 11, 1948.

OLD JOE

The word "Old" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since 1900.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 542,179. SKINNER MFG. CO., Omaha, Nebr. Filed Nov. 24, 1947.

NILette

Applicant claims ownership of Registration No. 425,195.
FOR DEODORANT IN LIQUID FORM FOR DIRECT APPLICATION TO THE HUMAN BODY.
Claims use since Oct. 24, 1947.

Ser. No. 542,872. NEWBRO MANUFACTURING COMPANY, Atlanta, Ga. Filed Dec. 1, 1947.

QVEEN
REZOLIUM

Applicant claims ownership of Registration No. 146,824.
FOR DRESSING FOR THE HAIR.
Claims use since Mar. 22, 1945.

Ser. No. 549,636. HARF INC., Hilltown, Pa. Filed Feb. 13, 1948.

TwisT

FOR HAIR DRESSING.
Claims use since Sept. 15, 1939.

Ser. No. 552,958. DE KAMA, INC., Los Angeles, Calif. Filed Mar. 25, 1948.



Applicant claims ownership of Registration No. 280,088.
FOR FACE CREAM.
Claims use since 1929.

Ser. No. 555,373. CANAMIN CORPORATION, New York, N. Y. Filed Apr. 23, 1948.

Canamin

Applicant claims ownership of Registration No. 510,693.
FOR FACIAL OINTMENTS, FACE AND SKIN LOTIONS, FACIAL CREAMS, AND TABLETS FOR HYPERACIDITY.
Claims use since Nov. 6, 1947.

Ser. No. 555,458. SOCIEDAD ANONIMA "LA TOJA," Pontevedra, Spain. Filed Apr. 23, 1948.

Latoja

The expression "Latoja" is fanciful. Applicant claims ownership of Spanish Registration No. 118,133, dated Dec. 11, 1942.
FOR FACE CREAMS, TOOTH PASTE, SHAMPOOS, FACE AND BODY LOTIONS, AND BATHING SALTS.

Ser. No. 560,030. LES PARFUMS BRISSON (SOCIETE A RESPONSABILITE LIMITEE), Paris, France. Filed Oct. 26, 1949.

TOBOGGAN

Applicant claims ownership of French Registration No. 390,166, dated Dec. 9, 1948.
FOR PERFUMES, TOILET WATERS, ROUGES, LIPSTICK, FACE POWDER, FACE CREAM, SKIN LOTIONS, DENTIFRICES.

Ser. No. 560,868. THE DE PREE COMPANY, Holland, Mich. Filed July 8, 1948. (Classified in Class 52.)

Enchantment

Applicant claims ownership of Registration No. 157,324.
FOR SHAMPOO AND COLD CREAM.
Claims use since June 15, 1940.

Ser. No. 566,171. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Sept. 30, 1948.

silk-film

The word "Film" is disclaimed.
FOR MAKE-UP FOUNDATION, IN CAKE FORM.
Claims use since Sept. 10, 1948.

Ser. No. 566,427. SKIN-TESTED DRUG PRODUCTS, INC., New York, N. Y. Filed Sept. 20, 1948.

CYL-DENT

The word "Dent" is disclaimed.
FOR DENTIFRICE.
Claims use since Apr. 12, 1948.

Ser. No. 568,171. CAMPANA SALES COMPANY, doing business as Anjou and Parfums Anjou, New York, N. Y. Filed Nov. 4, 1948.

Apropos

FOR COLOGNE, PERFUME, AND TOILET WATER.
Claims use since 1940.

Ser. No. 568,233. BATHASWEET CORPORATION, New York, N. Y. Filed Nov. 5, 1948.

FOREST PINE

The word "Pine" is disclaimed. Applicant claims ownership of Registration No. 177,208.
FOR WATER SOFTENER FOR USE IN BATHS, BATH OIL, AND BATH POWDER.
Claims use since 1941.

Ser. No. 568,517. MIDDLEBROOKE-LANCASTER, INC., Brooklyn, N. Y. Filed Nov. 10, 1948.

Keep-Neat

FOR LIQUID, CREAM, AND POMADE HAIR DRESSING.
Claims use since Jan. 15, 1923.

Ser. No. 569,001. GAYLORD-SHELTON, INC., Chicago, Ill. Filed Nov. 18, 1948.

JEWEL BOX

Applicant claims ownership of Registration No. 412,150.
FOR COLD WAVE LOTIONS USED IN PERMANENT WAVING OF THE HUMAN HAIR.
Claims use since Aug. 29, 1947.

Ser. No. 570,223. PRICHARD & CONSTANCE (AMAMI) INC., Bloomfield, N. J. Filed Dec. 8, 1948. (Classified in Class 52.)

AMAMI

Applicant claims ownership of Registrations Nos. 92,123 and 143,140.
FOR SHAMPOOS, BRILLIANTINE, ANTISEPTIC HAIR DRESSING, SKIN CREAMS, OATMEAL CLEANSING CREAM, ALMOND MEAL CREAM, NUTRITIVE SKIN CREAM, REJUVENATING SKIN CREAM, ALMOND OIL FACE CREAM, FOUNDATION CREAMS, ALMOND CUCUMBER AND BENZOIN CREAM, HAND CREAM, HAND JELLY, EMOLLIENT, ASTRINGENT SKIN FRESHENER; FACE POWDERS, OATMEAL FACE POWDER, LIQUID POWDER, ROUGES; BATH CRYSTAL POWDER FOR SOFTENING AND PERFUMING WATER; PERFUMES; TOILET WATERS, CUTICLE CREAM, TALCUMS, DUSTING POWDER, BATH OIL, TOOTH POWDER, HENNA, HENNA TINTS, LIQUID FOR SETTING OR FIXING OF HAIR.
Claims use since June 1909.

Ser. No. 571,579. RUBY B. SHELTON, Kilgore, Tex. Filed Jan. 3, 1949.

ALLITO

FOR HAIR OIL.
Claims use since Nov. 26, 1948.

Ser. No. 572,283. THE TONI COMPANY, Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Filed Jan. 15, 1949.

Toni

Applicant claims ownership of Registrations Nos. 416,405, 425,976, 428,681, and 502,315.
FOR CREME HAIR RINSE.
Claims use since Dec. 1, 1948.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 504,858. NEILSON CHEMICAL COMPANY, Detroit, Mich. Original filed, act of 1905, June 29, 1946; amended to application under act of 1946, Principal Register, Nov. 12, 1947. (Sec. 2f.)

"PREP"

Applicant claims ownership of Registrations Nos. 324,746, 345,053, 433,197, and 424,158.
FOR CHEMICAL PREPARATION FOR CLEANING AND PREPARING METAL SURFACES TO RECEIVE PAINT.
Claims use since Jan. 2, 1937.

Ser. No. 520,034. HIGHLEY CHEMICAL COMPANY, Dubuque, Iowa. Original filed, act of 1905, Apr. 2, 1947; amended to application under act of 1946, Principal Register, Dec. 4, 1948. (Sec. 2f.)

Dir-Toff

FOR LIQUID SOAP.
Claims use since Mar. 8, 1929.

Ser. No. 560,868. THE DE PREE COMPANY, Holland, Mich. Filed July 8, 1948.

Enchantment

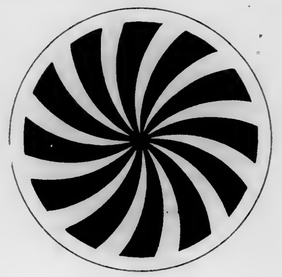
Applicant claims ownership of Registration No. 157,324.
FOR SHAMPOO AND COLD CREAM.
Claims use since June 15, 1940.

Ser. No. 566,781. WHINK PRODUCTS COMPANY, Eldora, Iowa. Filed Oct. 9, 1948.

WHINK

FOR POWDERED SOAPS, LIQUID SPOT REMOVERS FOR FABRICS AND LIQUID RUST REMOVERS FOR FABRICS.
Claims use since Feb. 24, 1948.

Ser. No. 567,012. THE TONI COMPANY, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Filed Oct. 14, 1948.



FOR SHAMPOO.
Claims use since May 17, 1948.

Ser. No. 569,757. GEORGE J. KELLY, INC., Lynn, Mass. Filed Dec. 2, 1948. (Sec. 2f.)

Whiterightoff

FOR CLEANER FOR WHITE SHOES.
Claims use since Feb. 2, 1917.

Ser. No. 569,865. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Dec. 3, 1948.

CUIR du CANADA

The word "Cuir" is disclaimed.
FOR TOILET SOAP.
Claims use since Nov. 26, 1948.

Ser. No. 570,223. PRICHARD & CONSTANCE (AMAMI) INC., Bloomfield, N. J. Filed Dec. 8, 1948. (Classified in Class 51.)

AMAMI

Applicant claims ownership of Registrations Nos. 92,123 and 143,140.

FOR SHAMPOOS, BRILLIANTINE, ANTISEPTIC HAIR DRESSING, SKIN CREAMS, OATMEAL CLEANSING CREAM, ALMOND MEAL CREAM, NUTRITIVE SKIN CREAM, REJUVENATING SKIN CREAM, ALMOND OIL FACE CREAM, FOUNDATION CREAMS, ALMOND CUCUMBER AND BENZOIN CREAM, HAND CREAM, HAND JELLY, EMOLLIENT, ASTRINGENT SKIN FRESHENER; FACE POWDERS, OATMEAL FACE POWDER, LIQUID POWDER, ROUGES; BATH CRYSTAL POWDER FOR SOFTENING AND PERFUMING WATER; PERFUMES; TOILET WATERS, CUTICLE CREAM, TALCUMS, DUSTING POWDER, BATH OIL, TOOTH POWDER, HENNA, HENNA TINTS, LIQUID FOR SETTING OR FIXING OF HAIR.

Claims use since June 1909.

Ser. No. 572,311. MACDERMID INCORPORATED, Waterbury, Conn. Filed Jan. 17, 1949.

METEX

The vertical lining indicates red.

FOR CHEMICALS FOR CLEANING METALS CONSISTING OF A MATERIAL CONTAINING POTASH, SODIUM HYDRATE, SODIUM SILICATE, SODIUM ALUMINATE AND SOAP, AND CHEMICALS FOR CLEANING TEXTILES CONSISTING OF A MATERIAL SIMILAR TO THE ABOVE BUT WITH THE SODIUM HYDRATE OMITTED, AND IN ADDITION LIQUID COMPOUNDS USED IN AND INCIDENTAL TO METAL FINISHING OPERATIONS FOR BRIGHTENING THE BASE METAL PREPARATORY TO ELECTROPLATING AND THE APPLICATION OF OTHER SURFACE COATINGS.

Claims use since Aug. 3, 1922.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 579,593. THE GEOTECHNICAL CORPORATION, Dallas, Tex. Filed May 27, 1949.

GEOTECH

FOR GEOPHYSICAL SURVEYS—NAMELY, SEISMIC, GRAVITY AND AEROMAGNETIC SURVEYS FOR OBTAINING INFORMATION RELATIVE TO THE LOCATION OF OIL, GAS AND OTHER MINERAL DEPOSITS; AND CONTRACT DRILLING OF SHOT HOLES AND CORE HOLES IN CONNECTION WITH MINERAL EXPLORATION, DEVELOPMENT AND PRODUCTION.

Claims use since Aug. 1, 1948.

Ser. No. 580,015. THE GEOTECHNICAL CORPORATION, Dallas, Tex. Filed June 6, 1949.

GEOTECH

FOR GEOPHYSICAL SURVEYS—NAMELY, SEISMIC, GRAVITY AND AEROMAGNETIC SURVEYS FOR OBTAINING INFORMATION RELATIVE TO THE LOCATION OF OIL, GAS AND OTHER MINERAL DEPOSITS; AND CONTRACT DRILLING OF SHOT HOLES AND CORE HOLES IN CONNECTION WITH MINERAL EXPLORATION, DEVELOPMENT AND PRODUCTION.

Claims use since Mar. 3, 1936.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 576,044. ROBBIE ANDERSON DAVIS, New York, N. Y. Filed Mar. 25, 1949.

BEALE STREET BOYS

FOR ENTERTAINMENT SERVICES RENDERED BY A VOCAL GROUP THROUGH THE MEDIUM OF RADIO, TELEVISION AND PERSONAL APPEARANCES.

Claims use since May 5, 1934.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,777. SPOT WELDING TIPS AND RESISTANCE WELDING ELECTRODES. AMPCO METAL, INC., Milwaukee, Wis.
Filed Nov. 23, 1945, Serial No. 492,022. Published Oct. 29, 1946. Class 21.

443,778. ADHESIVES—NAMELY, AN ASPHALT TILE CEMENT, AN ASPHALT PRIMER, AN ASPHALT EMULSION, ALL FOR USE WITH FLOORS AND FOR CEMENTING OF ASPHALT TILE AND OTHER TILES TO THE FLOORS. LINO PASTE CO., INC., Chicago, Ill.
Filed Feb. 6, 1946, Serial No. 496,087. Published Nov. 22, 1949. Class 12.

443,779. STEEL KITCHEN CABINETS, STEEL BASE CABINETS, STEEL WALL CABINETS, STEEL SINK CABINETS, STEEL BROOM CABINETS, AND STEEL FLOOR CABINETS. MIDWEST MFG. COMPANY, Galesburg, Ill.
Filed Mar. 18, 1946, Serial No. 498,438. Published Nov. 25, 1947. Class 32.

443,780. PERFUME, SKIN LOTIONS, SKIN CREAMS; MAKE-UP AND PREPARATIONS FOR HAIR, ETC. LABORATOIRES DU DR. N. G. PAYOT, Paris, France.
Filed July 24, 1946, Serial No. 506,174. Published Nov. 22, 1949. Class 51.

443,781. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed Aug. 28, 1946, Serial No. 508,142. Published Nov. 1, 1949. Class 51.

443,782. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed Aug. 28, 1946, Serial No. 508,143. Published Nov. 1, 1949. Class 51.

443,783. LIP STICK, FACE CREAMS, VANISHING CREAMS, HORMONE CREAMS, EYEBROW PENCILS, EYELASH AND EYEBROW DARKENER PASTES, ETC. AUDREY TREU, Ogden, Utah.
Filed Oct. 2, 1946, Serial No. 510,132. Published Nov. 22, 1949. Class 51.

443,784. SHORT WAVE THERAPY MACHINES AND ELECTRICAL SURGICAL SHORT WAVE TISSUE CUTTERS. EDWARD N. MOLT, doing business as Ed Molt Company, Seattle, Wash.
Filed Oct. 11, 1946, Serial No. 510,714. Published Nov. 15, 1949. Class 44.

443,785. AMPLIFIERS AND ACOUSTICALLY DESIGNED CABINETS FOR LOUD SPEAKERS. DONALD G. KING, Burbank, Calif.
Filed Oct. 12, 1946, Serial No. 510,786. Published Nov. 29, 1949. Class 21.

443,786. TRICYCLES AND VELOCIPEDES AND PEDAL CARS AND SCOOTERS AND COASTERS AND WALKERS. OAKLAND ENGINEERING COMPANY, INC., Oakland, Calif.
Filed Jan. 28, 1947, Serial No. 516,498. Published Oct. 25, 1949. Class 22.

443,787. DENTAL PRODUCTS—NAMELY, BRIDGES, RESTORATIONS, CROWNS, PLATES, AND OTHER DENTURES. NU-DENT PORCELAIN STUDIO, INC., New York, N. Y.
Filed Feb. 8, 1947, Serial No. 517,196. Published Nov. 15, 1949. Class 44.

443,788. POWDERED CLEANSER—NAMELY, A SOAPLESS CLEANING AGENT IN A GRANULATED POWDER FORM. WETALENE LABORATORIES, INC., Columbus, Ohio.
Filed Feb. 17, 1947, Serial No. 517,679. Published Apr. 20, 1948. Class 52.

443,789. DOLLS. NATIONAL COSTUME DOLL CO., New York, N. Y., assignor to Duchess Doll Corporation, Woodside, N. Y., a corporation of New York.
Filed Mar. 4, 1947, Serial No. 518,476. Published Nov. 15, 1949. Class 22.

443,790. LUBRICATING OILS, LUBRICATING GREASES, FILM STRENGTH OILINESS ADDITIVE OILS, PENETRATING OIL, PLUMBERS' LARD OIL, DIE CASTING OIL, CUTTING OIL, CUTTING OIL CONCENTRATE. FILMITE OIL CORPORATION, Butler, Wis.
Filed Mar. 6, 1947, Serial No. 518,593. Published Nov. 8, 1949. Class 15.

443,791. COIN OPERATED LOUD SPEAKERS FOR CONNECTION TO AN ELECTRICAL RECORD PLAYER. SOLOTONE CORPORATION, Los Angeles, Calif.
Filed Mar. 18, 1947, Serial No. 519,227. Published Dec. 14, 1948. Class 21.

443,792. PETROLEUM JELLY, PERFUMED PETROLEUM JELLY, MEDICATED PETROLEUM JELLIES, HAIR TONIC, HAIR DRESSING, POMADE, SHAMPOO, LIP STICKS, LIP POMADE, CAMPHOR ICE, COLD CREAM, AND BABY POWDER. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y.
Filed Mar. 27, 1947, Serial No. 519,628. Published July 20, 1948. Class 51.

443,793. BARBITURATE–SEDATIVE AND HYPNOTIC. GEIGY COMPANY, INC., New York, N. Y.
Filed Mar. 29, 1947, Serial No. 519,810. Published Dec. 23, 1947. Class 18.

443,794. MARKING MACHINE FOR PRINTING IDENTIFICATION MARKS ON TAGS AND OTHER ARTICLES TO IDENTIFY GARMENTS HANDLED BY LAUNDERERS, DRY CLEANERS, AND DYERS. BURR WATSON & ASSOCIATES, INC., Denver, Colo., now by change of name Marvel Marking Machine Co.
Filed Apr. 23, 1947, Serial No. 521,229. Published Nov. 1, 1949. Class 24.

443,795. TRANSPLANTING POTS FOR TRANSPLANTING PLANTS AND MADE OF HEAVY COPPER ALLOY STEEL. JAMES C. LAM, Chicago, Ill.
Filed May 15, 1947, Serial No. 522,425. Published Nov. 22, 1949. Class 13.

443,796. TARPAULINS AND CANVAS COVERS USED FOR THE PROTECTION OF TRUCKS AND THEIR LOADS, ETC. FULTON BAG & COTTON MILLS, Atlanta Ga.
Filed May 29, 1947, Serial No. 523,258. Published Oct 18, 1949. Class 50.

443,797. TARPAULINS AND CANVAS COVERS USED FOR THE PROTECTION OF TRUCKS, ETC. FULTON BAG & COTTON MILLS, Atlanta, Ga.
Filed May 29, 1947, Serial No. 523,259. Published Oct. 25, 1949. Class 50.

443,798. STEAM APPARATUS SOLD ONLY AS COMPONENTS OF SYSTEMS FOR HEATING OR DRYING MATERIALS, SAID COMPONENTS COMPRISING CONTROL UNITS FOR REGULATING THE AMOUNT OF WATER SUPPLIED FOR CONVERSION INTO STEAM DEAERATORS, WATER FEED TANKS, WATER STORAGE TANKS, REGULATORS, PIPING, ETC. VELOCITY STEAM PRODUCTION ENGINEERING, INC., Chicago, Ill.
Filed June 27, 1947, Serial No. 525,048. Published Nov. 22, 1949. Class 34.

443,799. STEAM APPARATUS SOLD ONLY AS COMPONENTS OF SYSTEMS FOR HEATING OR DRYING MATERIALS, SAID COMPONENTS COMPRISING CONTROL UNITS FOR REGULATING THE AMOUNT OF WATER SUPPLIED FOR CONVERSION INTO STEAM, DEAERATORS, WATER FEED TANKS, WATER STORAGE TANKS, REGULATORS, PIPING, ETC. VELOCITY STEAM PRODUCTION ENGINEERING, INC., Chicago, Ill.
Filed June 27, 1947, Serial No. 525,049. Published Nov. 22, 1949. Class 34.

443,800. PASTES AND CEMENTS FOR USE WITH OR BETWEEN CARBON AND GRAPHITE, ETC. NATIONAL CARBON COMPANY, INC., New York, N. Y., now by merger Union Carbide and Carbon Corporation, a corporation of New York.
Filed July 3, 1947, Serial No. 525,921. Published Nov. 22, 1949. Class 12.

ACT OF 1946, PRINCIPAL REGISTER

521,382. NEWSPAPER COLUMN. SUN AND TIMES CO., Chicago, Ill., by change of name from Chicago Times, Inc.
Original filed, act of 1905, June 29, 1945; amended to application under act of 1946, Principal Register, Sept. 24, 1947, Serial No. 485,199. Published Nov. 8, 1949. Class 38.

521,383. LUBRICATING OILS. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Original filed, act of 1905, Aug. 17, 1945; amended to application under act of 1946, Principal Register, July 21, 1947, Serial No. 487,221. Published Nov. 1, 1949. Class 15.

521,384. FLUID FLOW CONTROLLING DEVICES—NAMELY, MANUALLY AND MECHANICALLY OPERATED VALVES, AUTOMATIC PRESSURE RELIEF VALVES, AND AUTOMATIC PRESSURE REGULATING VALVES. GROVE REGULATOR COMPANY, Oakland, Calif.
Original filed, act of 1905, Jan. 26, 1946; amended to application under act of 1946, Principal Register, Jan. 13, 1948, Serial No. 495,471. Published Oct. 25, 1949. Class 13.

521,385. STEAM BOILER ELECTROLYTIC PROTECTIVE DEVICES, FOR ELIMINATING AND CONTROLLING SCALING, PITTING, AND LIKE CONDITIONS IN BOILERS AND TANKS. EUGENE S. BREMERMAN, doing business as The No-Kem Company, St. Louis, Mo.
Original filed, act of 1905, Mar. 8, 1946; amended to application under act of 1946, Principal Register, Oct. 4, 1947, Serial No. 497,841. Published Nov. 29, 1949. Class 21.

521,386. PERFUME, TOILET WATER, AND LIPSTICKS. GEORG JENSEN INC., New York, N. Y.
Original filed, act of 1905, July 5, 1946; amended to application under act of 1946, Principal Register, Jan. 23, 1948, Serial No. 505,109. Published Nov. 15, 1949. Class 51.

521,387. PORTABLE APPARATUS FOR RECEIVING FLUID — NAMELY, PORTABLE CABINET ON CASTERS, EQUIPPED WITH A VERTICAL ADJUSTABLE FUNNEL FOR USE IN SERVICE STATIONS FOR THE DRAINING OF OIL FROM VEHICLES. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Original filed, act of 1905, July 12, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 505,504. Published June 21, 1949. Class 23.

521,388. METAL CUSPIDORS. FARIES MANUFACTURING COMPANY, Decatur, Ill., assignor to Faries Manufacturing Company, Chicago, Ill., a corporation of Illinois (a new corporation).
Original filed, act of 1905, July 17, 1946; amended to application under act of 1946, Principal Register, June 9, 1948, Serial No. 505,743. Published Nov. 8, 1949. Class 13.

521,389. MAGAZINE PUBLISHED EVERY OTHER MONTH. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Original filed, act of 1905, Nov. 1, 1946; amended to application under act of 1946, Principal Register, Sept. 2, 1949, Serial No. 511,897. Published Nov. 22, 1949. Class 38.

521,390. OIL BURNERS, BURNER-BOILER UNITS AND PARTS THEREFOR. H. J. HUELLER MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Original filed, act of 1905, Nov. 19, 1946; amended to application under act of 1946, Principal Register, Mar. 22, 1948, Serial No. 512,837. Published Nov. 15, 1949. Class 34.

521,391. TUBULAR CAKE PANS AND COOKING UTENSILS COMPRISING CUP CAKE MOLDS MADE OF ALUMINUM AND ALUMINUM ALLOYS. JACKSON M. LUKER, Urbana, Ill.
Original filed, act of 1905, Dec. 5, 1946; amended to application under act of 1946, Principal Register, Feb. 13, 1948, Serial No. 513,747. Published Nov. 15, 1949. Class 13.

521,392. OIL TO REDUCE FRICTION BY LUBRICATING THE SURFACE OF SHEET ALUMINUM AND FOIL AS THEY PASS THROUGH THE ROLLERS. UNITED OIL COMPANY, Pittsburgh, Pa.
Original filed, act of 1905, Dec. 16, 1946; amended to application under act of 1946, Principal Register, July 10, 1947, Serial No. 514,381. Published Nov. 1, 1949. Class 15.

521,393. FRESH GRAPES. THE NEWBERG VINEYARDS, Visalia, Calif.
Original filed, act of 1905, Mar. 8, 1947; amended to application under act of 1946, Principal Register, Dec. 8, 1947, Serial No. 518,733. Published Nov. 22, 1949. Class 46.

521,394. URINARY ANTISEPTIC. VAN PELT & BROWN, INC., Richmond, Va.
Original filed, act of 1905, Mar. 25, 1947; amended to application under act of 1946, Principal Register, Apr. 21, 1948, Serial No. 519,552. Published Nov. 15, 1949. Class 18.

521,395. HYDROCARBON SOLVENT SUCH AS PERCHLORETHYLENE FOR DISSOLVING GREASE AND OIL FROM METALLIC BODIES. CIRCO PRODUCTS COMPANY, Cleveland, Ohio.
Original filed, act of 1905, Apr. 9, 1947; amended to application under act of 1946, Principal Register, Jan. 26, 1948, Serial No. 520,379. Published Nov. 22, 1949. Class 52.

521,396. GLOBE VALVES. STRONG, CARLISLE & HAMMOND COMPANY, Cleveland, Ohio.
Original filed, act of 1905, Apr. 9, 1947; amended to application under act of 1946, Principal Register, Dec. 30, 1948, Serial No. 520,426. Published Nov. 8, 1949. Class 13.

521,397. SPEED REGULATORS COMPRISING AN ELECTRO-MECHANICAL MECHANISM FOR SECTION INTERLOCK BETWEEN AT LEAST TWO MACHINES OR TWO SECTIONS OF A MACHINE. THE RELIANCE ELECTRIC & ENGINEERING CO., Cleveland, Ohio.
Original filed, act of 1905, Apr. 10, 1947; amended to application under act of 1946, Principal Register, Sept. 17, 1948, Serial No. 520,471. Published Nov. 8, 1949. Class 21.

521,398. WATER COLOR SETS. UNITED CRAYON CO. INC., Brooklyn, N. Y.
Original filed, act of 1905, Apr. 19, 1947; amended to application under act of 1946, Principal Register, Mar. 17, 1948, Serial No. 521,041. Published Nov. 15, 1949. Class 22.

521,399. POCKET KNIVES, RAZOR KNIVES, AND SPOONS. GITS MOLDING CORPORATION, Chicago, Ill.
Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, May 6, 1948, Serial No. 522,629. Published Oct. 18, 1949. Class 23.

521,400. ARCHERY EQUIPMENT—NAMELY, ARROWS AND ARROW HEADS. L. C. WHIPPEN CO., INC., Milwaukee, Wis.
Original filed, act of 1905, May 26, 1947; amended to application under act of 1946, Principal Register, Mar. 15, 1948, Serial No. 523,079. Published Nov. 1, 1949. Class 22.

521,401. WRENCHES. JARI PRODUCTS, INC., Minneapolis, Minn.
Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, Apr. 24, 1948, Serial No. 524,469. Published Oct. 18, 1949. Class 23.

521,402. CUTTING OILS HAVING INCIDENTAL LUBRICATING PROPERTIES. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,827. Published Nov. 1, 1949. Class 15.

521,403. ELECTRICAL PHONOGRAPH APPARATUS FOR RECORDING AND REPRODUCING SOUNDS. THE BELL SOUND SYSTEMS, INC., Columbus, Ohio.
Filed July 12, 1947, Serial No. 528,423. Published Dec. 6, 1949. Class 21.

521,404. METAL FENCING. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa.
Filed July 12, 1947, Serial No. 528,485. Published Oct. 25, 1949. Class 13.

521,405. LEATHER IN THE PIECE—NAMELY, CATTLE HIDE UPPER LEATHER. J. GREENEBAUM TANNING CO., Chicago, Ill.
Filed July 21, 1947, Serial No. 529,041. Published Nov. 22, 1949. Class 1.

521,406. PRECIOUS METAL DENTAL ALLOYS. THOMAS J. DEE & CO., Chicago, Ill., assignor to Handy & Harman, Inc., New York, N. Y., a corporation of New York.
Filed July 23, 1947, Serial No. 529,237. Published Nov. 15, 1949. Class 44.

521,407. ELECTRIC FANS, ELECTRIC FLATIRONS, ELECTRIC HEATERS, ELECTRIC SANDWICH GRILLS, ELECTRIC HOT PLATES, ELECTRIC TOASTERS, AND ELECTRIC WAFFLE BAKERS. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed July 24, 1947, Serial No. 529,365. Published Dec. 6, 1949. Class 21.

521,408. FITTINGS FOR ALL-METAL FLEXIBLE TUBING—NAMELY, STANDARD PIPE FITTINGS, FLARED TUBE FITTINGS, INVERTED FLARED TUBE FITTINGS, AND COMPRESSION TUBE FITTINGS. TITEFLEX, INC., Newark, N. J., and Wilmington, Del.
Filed July 28, 1947, Serial No. 529,829. Published Nov. 22, 1949. Class 13.

521,409. VALVE CONTROL SHUT-OFF NOZZLES FOR GASOLINE AND OTHER LIQUIDS. OPW CORPORATION, Cincinnati, Ohio.
Filed Aug. 5, 1947, Serial No. 530,555. Published Nov. 22, 1949. Class 13.

521,410. PRESSURE BLOCKS, MOLDS, VULCANIZERS, VULCANIZING PRESSES, SPREADERS, INSPECTORS, BUFFERS, PARTS THEREFOR, KNIVES, STITCHERS, MANDRELS, AND WIRE BRUSHES FOR TIRE REPAIRING. INLAND RUBBER CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,605. Published Nov. 8, 1949. Class 23.

521,411. MONTHLY MAGAZINE DEVOTED TO AVIATION. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed Aug. 18, 1947, Serial No. 531,748. Published Nov. 22, 1949. Class 38.

521,412. LIVESTOCK BRAND TAGS. DAVID FEARING COMPANY, South St. Paul, Minn.
Filed Aug. 25, 1947, Serial No. 532,284. Published Oct. 25, 1949. Class 50.

521,413. FRESH VEGETABLES AND WATERMELONS. SAMUEL MANLY JONES, doing business under the name and style of S. M. Jones & Co., New Bern, N. C.
Filed Aug. 27, 1947, Serial No. 532,596. Published June 21, 1949. Class 46.

521,414. TOY BLOCKS. HALSAM PRODUCTS COMPANY, Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,702. Published Nov. 8, 1949. Class 22.

521,415. COMPOSITION AND PLASTIC DOLLS. AMRAM HADDAD, New York, N. Y.
Filed Aug. 29, 1947, Serial No. 532,824. Published Oct. 25, 1949. Class 22.

521,416. SPACE HEATERS. LONERGAN MANUFACTURING COMPANY, Albion, Mich.
Filed Aug. 29, 1947, Serial No. 532,837. Published Oct. 4, 1949. Class 34.

521,417. POWER-OPERATED TOOLS—NAMELY, PORTABLE HAND MANIPULABLE ELECTRIC DRILLS, GRINDERS, SANDERS, AND BLOWERS. ARISTO POWER TOOLS, INC., Chicago, Ill., assignor to Middle West Export Company, Chicago, Ill., a copartnership.
Filed Aug. 30, 1947, Serial No. 532,899. Published Nov. 8, 1949. Class 21.

521,418. JAR CAPS AND LIDS. KERR GLASS MANUFACTURING CORPORATION, Sand Springs, Okla.
Filed Sept. 3, 1947, Serial No. 533,170. Published Oct. 25, 1949. Class 50.

521,419. CAN WASHING MACHINES. THE LATHROP-PAULSON COMPANY, Chicago, Ill.
Filed Sept. 3, 1947, Serial No. 533,178. Published Nov. 1, 1949. Class 23.

521,420. SUDSING DETERGENT PRODUCT SOLD IN BULK FOR LAUNDRY AND GENERAL CLEANING USE. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed July 5, 1947, Serial No. 533,222. Published Nov. 1, 1949. Class 52.

521,421. NAILS, GLAZING POINTS, AND DOWEL PINS. W. H. MAZE COMPANY, Peru, Ill.
Filed Sept. 4, 1947, Serial No. 533,334. Published Nov. 15, 1949. Class 13.

521,422. KITCHEN SINKS. WESTERN STEEL FIXTURE CORP., Dallas, Tex.
Filed Sept. 8, 1947, Serial No. 533,801. Published Oct. 25, 1949. Class 13.

521,423. ALIMENTARY PASTES. C. F. MUELLER CO., Jersey City, N. J., now by merger C. F. Mueller Company, a corporation of Delaware.
Filed Sept. 12, 1947, Serial No. 534,317. Published Nov. 22, 1949. Class 46.

521,424. GASOLINE, LUBRICATING OILS AND GREASES, AND DIESEL FUEL OILS. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed Sept. 13, 1947, Serial No. 534,488. Published Nov. 1, 1949. Class 15.

521,425. CARVING KNIVES, CARVING FORKS, BONING KNIVES, STEAK KNIVES, AND RELATED TABLE AND KITCHEN CUTLERY. GERBER LEGENDARY BLADES, Portland, Oreg.
Filed Sept. 16, 1947, Serial No. 534,621. Published Oct. 11, 1949. Class 23.

521,426. FORMED METAL ROOFING. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed Sept. 29, 1947, Serial No. 536,192. Published Nov. 22, 1949. Class 12.

521,427. WAX CANDLES. SMITH & NICHOLS, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,089. Published Nov. 15, 1949. Class 15.

521,428. BOOKS. WONDER BOOKS, INC., New York, N. Y., assignor to Wonder Books, Inc., New York, N. Y., a corporation of Delaware.
Filed Oct. 8, 1947, Serial No. 537,269. Published Nov. 8, 1949. Class 38.

521,429. FISHING REELS. BRONSON REEL COMPANY, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich., a corporation of Michigan.
Filed Oct. 9, 1947, Serial No. 537,286. Published Nov. 1, 1949. Class 22.

521,430. RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATION SETS, INCLUDING CABINETS THEREFOR. THE MAGNAVOX COMPANY, Fort Wayne, Ind.
Filed Oct. 13, 1947, Serial No. 537,713. Published Nov. 29, 1949. Class 21.

521,431. CAST ALUMINUM COOKING UTENSILS—NAMELY, HOT PAD SETS. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill.
Filed Oct. 16, 1947, Serial No. 537,989. Published Oct. 18, 1949. Class 50.

521,432. DOOR HANDLES. LYON METAL PRODUCTS, INCORPORATED, Aurora, Ill.
Filed Oct. 18, 1947, Serial No. 538,306. Published Nov. 15, 1949. Class 13.

521,433. RESIDENTIAL HOUSE HEATING BOILERS. THATCHER FURNACE COMPANY, Garwood, N. J.
Filed Oct. 18, 1947, Serial No. 538,324. Published Nov. 15, 1949. Class 34.

521,434. INSTALLATIONS EMPLOYING MECHANICAL AND/OR CHEMICAL MEANS FOR VENTILATING AND SANITARY PURPOSES, ETC. CALMIC LIMITED, Lancashire, England.
Filed Oct. 22, 1947, Serial No. 538,602. Published Nov. 8, 1949. Class 34.

521,435. SELF-THREADING FASTENINGS AND SELF-THREADING SCREWS. CONTINENTAL SCREW COMPANY, New Bedford, Mass.
Filed Oct. 22, 1947, Serial No. 538,616. Published Nov. 22, 1949. Class 13.

521,436. FISHING REELS. BRONSON REEL COMPANY, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich., a corporation of Michigan.
Filed Oct. 24, 1947, Serial No. 538,870. Published Oct. 25, 1949. Class 22.

521,437. FERTILIZER. TWIN ROSE PRODUCTS CO., Swink, Colo., assignor to Twin Rose Products Company, Swink, Colo., a corporation of Colorado.
Filed Oct. 27, 1947, Serial No. 539,234. Published Aug. 16, 1949. Class 10.

521,438. FISHLINE. CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass.
Filed Nov. 4, 1947, Serial No. 540,041. Published Nov. 15, 1949. Class 22.

521,439. ELECTRIC LAMPS FOR PROJECTING CONCENTRATED BEAMS OF LIGHT—NAMELY, FLOOD LIGHTS AND SPOT-LIGHTS. STERLING REFLECTOR AND MANUFACTURING CO., Chicago, Ill.
Filed Nov. 4, 1947, Serial No. 540,114. Published Nov. 15, 1949. Class 21.

521,440. VENTILATING UNIT COOLERS, BLOWERS, CONDENSERS, EVAPORATOR COILS, WATER DEFROSTED UNIT COOLERS, HEATING COILS, AND HEATING AND COOLING AIR CONDITIONING UNITS. THE BUSH MANUFACTURING COMPANY, Hartford, Conn.
Filed Nov. 5, 1947, Serial No. 540,160. Published Nov. 15, 1949. Class 34.

521,441. CORK PULLERS. WINSLOW-WRIGHT COMPANY, North Hollywood, Calif.
Filed Nov. 10, 1947, Serial No. 540,749. Published Nov. 15, 1949. Class 23.

521,442. BACTERIAL INOCULANTS FOR LEGUMINOUS PLANTS. KALO INOCULANT COMPANY, Quincy, Ill.
Filed Nov. 12, 1947, Serial No. 540,826. Published July 5, 1949. Class 10.

521,443. SEWING MACHINES AND ATTACHMENTS—NAMELY, SEWING MACHINE NEEDLES. NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill.
Filed Nov. 12, 1947, Serial No. 540,855. Published Nov. 8, 1949. Class 23.

521,444. GAS AND OIL RANGES. THE DORTCH STOVE WORKS, INC., Franklin, Tenn.
Filed Nov. 13, 1947, Serial No. 540,986. Published Mar. 8, 1949. Class 34.

521,445. SWIVEL JOINTS FOR FLUID CONDUITS, BALL BEARING SWIVEL JOINTS, LOADING RACK SWIVEL JOINTS, STEAM JOINTS, COUNTERBALANCE SWIVEL JOINTS, AND PARTS FOR THE SAME. CHIKSAN COMPANY, Brea, Calif.
Filed Nov. 15, 1947, Serial No. 541,261. Published Nov. 22, 1949. Class 13.

521,446. MECHANICALLY GROOVED PHONOGRAPH RECORDS FOR HOME USE WITH HOME-STUDY COURSES OF INSTRUCTION IN MUSICAL INSTRUMENT PLAYING. MUS-ED RECORD CO., San Francisco, Calif.
Filed Nov. 15, 1947, Serial No. 541,320. Published Nov. 30, 1948. Class 36.

521,447. WHITE DISTILLED VINEGAR, CORN SUGAR VINEGAR, COMPOUND SUGAR VINEGAR, DISTILLED AND CIDER VINEGAR, AND REDUCED CIDER VINEGAR. NATIONAL VINEGAR COMPANY, St. Louis, Mo.
Filed Nov. 15, 1947, Serial No. 541,325. Published Nov. 22, 1949. Class 46.

521,448. SWIVEL JOINTS FOR FLUID CONDUITS, BALL BEARING SWIVEL JOINTS, LOADING RACK SWIVEL JOINTS, STEAM JOINTS, COUNTERBALANCE SWIVEL JOINTS, AND PARTS FOR THE SAME. CHIKSAN EXPORT COMPANY, Brea, Calif.
Filed Nov. 17, 1947, Serial No. 541,403. Published Nov. 15, 1949. Class 13.

521,449. KITCHEN UTILITY FORKS. CARTER MACHINE & TOOL CO., Rockford, Ill.
Filed Nov. 18, 1947, Serial No. 541,510. Published Oct. 4, 1949. Class 23.

521,450. BOWL COVERS WITH ELASTIC MARGINS FOR CONTRACTION AROUND THE MOUTHS OF THE BOWLS TO WHICH THEY ARE APPLIED, ETC. BOLAND MFG. CO., Winona, Minn.
Filed Nov. 20, 1947, Serial No. 541,804. Published Oct. 25, 1949. Class 50.

521,451. SPONGE RUBBER STRIP ADHESIVELY COATED ON ONE FACE. DURKEE-ATWOOD COMPANY, Minneapolis, Minn.
Filed Nov. 20, 1947, Serial No. 541,819. Published Oct. 25, 1949. Class 50.

521,452. KITS CONTAINING VARIED ASSORTMENTS OF LEATHER, WOOD, ETC. BUFFALO HOBBY HAVEN, Buffalo, N. Y.
Filed Nov. 28, 1947, Serial No. 542,530. Published Oct. 25, 1949. Class 22.

521,453. ICE. TEXAS ICE & REFRIGERATING COMPANY, Fort Worth, Tex.
Filed Nov. 28, 1947, Serial No. 542,683. Published Nov. 15, 1949. Class 1.

521,454. METALLIC COVERS FOR COOKING AND SERVING UTENSILS AND RECEPTACLES. KATHRYN C. STURDEVANT, doing business as Koolid Company, Oklahoma City, Okla.
Filed Dec. 4, 1947, Serial No. 543,335. Published Nov. 22, 1949. Class 13.

521,455. DOILY STRETCHERS. ERNST A. BARTSCH, doing business as Pinabord Manufacturing Company, Chicago, Ill.
Filed Dec. 5, 1947, Serial No. 543,409. Published Oct. 25, 1949. Class 50.

521,456. FERTILIZERS. TENNESSEE CORPORATION, also doing business under the name "U. S. Phosphoric Products," New York, N. Y.
Filed Dec. 10, 1947, Serial No. 544,004. Published June 28, 1949. Class 10.

521,457. WIRE AND CUT TACKS, NAILS, STAPLES, BRADS, AND DOUBLE POINTERS. SNELL-JONES TACK CORPORATION, Brockton, Mass.
Filed Dec. 12, 1947, Serial No. 544,212. Published Nov. 22, 1949. Class 13.

521,458. INSIDE SHIELD FOR WINDOWS. AIR-LITE WINDOW SHIELD CORPORATION, New York, N. Y.
Filed Dec. 16, 1947, Serial No. 544,420. Published Nov. 22, 1949. Class 12.

521,459. ARTIFICIAL FISH BAIT—NAMELY, SPINNERS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed Oct. 3, 1947, Serial No. 544,637. Published Oct. 18, 1949. Class 22.

521,460. DRINKING GLASSES, GLASS PLATES, VASES, PITCHERS, BOWLS, DECANTERS, CRUETS, MUDDLERS, AND LADLES. BLENKO GLASS COMPANY, INC., Milton, W. Va.
Filed Dec. 27, 1947, Serial No. 545,574. Published Oct. 25, 1949. Class 33.

521,461. AMPLITUDE-MODULATED RADIO TRANSMITTERS, FREQUENCY-MODULATED RADIO TRANSMITTERS, ETC. RAYTHEON MANUFACTURING COMPANY, Newton, Mass.
Filed Dec. 30, 1947, Serial No. 545,768. Published Nov. 15, 1949. Class 21.

521,462. AIR CIRCUIT BREAKERS; ARTIFICIALLY COOLED, AUTOMATIC, ELECTRICALLY OPERATED, GRAVITY OPERATED, MANUALLY OPERATED, PNEUMATICALLY OPERATED, PARTS THEREOF; ETC. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis.
Filed Jan. 3, 1948, Serial No. 546,082. Published Nov. 22, 1949. Class 21.

521,463. AUTOMOBILE PAINTING KITS CONSISTING OF SOLVENT CLEANER, SAND PAPER, PLASTIC FILLER, PUTTY KNIFE, CHEESE CLOTH, PAINT, PAINT DISPENSER, AND MITTEN TYPE PAINT APPLICATOR. THE ARCO COMPANY, Cleveland, Ohio.
Filed Jan. 12, 1948, Serial No. 546,748. Published Oct. 4, 1949. Class 50.

521,464. PERFUMES, FACE CREAMS, ROUGE, BRILLIANTINE, SKIN LOTION. SOCIETE ANONYME, BIENAIME, Paris, France.
Filed Jan. 15, 1948, Serial No. 547,158. Published Oct. 25, 1949. Class 51.

521,465. PERFUMES, FACE CREAMS, ROUGE, SKIN LOTION. SOCIETE ANONYME, BIENAIME, Paris, France.
Filed Jan. 15, 1948, Serial No. 547,162. Published Oct. 25, 1949. Class 51.

521,466. FUEL ESPECIALLY PREPARED FOR USE IN INTERNAL COMBUSTION ENGINES OF THE TYPE USED IN TOY AIRPLANES AND MODEL VEHICLES. CHARLES F. LAWLEY, doing business as Chem-L-Co Industries, Wyoming, Pa.
Filed Jan. 19, 1948, Serial No. 547,465. Published Nov. 15, 1949. Class 15.

521,467. OIL BURNERS AND PARTS THEREOF. PAN AMERICAN OIL BURNER CORPORATION, Jamaica, N. Y., Assignor to Pan American Oil Corporation, Jamaica, N. Y.
Filed Jan. 21, 1948, Serial No. 547,655. Published Mar. 8, 1949. Class 34.

521,468. COMBUSTION CHAMBERS. STEFCO STEEL COMPANY, Michigan City, Ind.
Filed Jan. 28, 1948, Serial No. 548,195. Published Nov. 15, 1949. Class 34.

521,469. DUST AND FUME COLLECTORS, ABSORBERS, ETC. CLAUDE B. SCHNEIBLE COMPANY, Detroit, Mich.
Filed Jan. 31, 1948, Serial No. 548,531. Published Nov. 15, 1949. Class 34.

521,470. ELECTRONIC CONTROL APPARATUS FOR REGULATING THE TORQUE LIMIT OF AN ELECTRIC TOOL DRIVING MOTOR. FRANK E. DUDLEY, trading as Franklin Manufacturing Company, Philadelphia, Pa.
Filed Feb. 3, 1948, Serial No. 548,642. Published Dec. 6, 1949. Class 21.

521,471. DRY, PARTIALLY IMPREGNATED, AND FULLY IMPREGNATED WITH ASPHALT, NATURAL OR ARTIFICIAL, FELT FOR USE IN CONNECTION WITH LINOLEUM AND OTHER COMPOSITION COVERINGS. CONGOLEUM-NAIRN, INC., Kearny, N. J.
Filed Feb. 5, 1948, Serial No. 548,789. Published Oct. 25, 1949. Class 50.

521,472. COLOGNE, FACE CREAM, FACE POWDER, HAND LOTION, HAIR OIL, SHAMPOO, LIPSTICKS, MASCARA, PERFUME, POWDER BASE, EYE SHADOW, DEODORANT, BATH POWDER, NAIL POLISH, NAIL POLISH REMOVER, CUTICLE REMOVER, LEG MAKE-UP, AND ROUGE. MERLE NORMAN COSMETICS, INC., Santa Monica, Calif.
Filed Feb. 9, 1948, Serial No. 549,164. Published Nov. 15, 1949. Class 51.

521,473. HAIR SOAPS IN CAKE OR BAR FORM, HAND SOAPS IN CAKE OR BAR FORM, AND HAND CLEANERS IN THE NATURE OF SOAPS OR SIMILAR TYPES OF DETERGENTS. JOHN H. BRECK, INC., Springfield, Mass.
Filed Feb. 14, 1948, Serial No. 549,704. Published Oct. 18, 1949. Class 52.

521,474. ELECTRIC STORAGE BATTERIES. AMERICAN BATTERY MFG. COMPANY, doing business as Pioneer Battery Company, Kansas City, Mo., and Kansas City, Kans.
Filed Feb. 16, 1948, Serial No. 549,775. Published May 24, 1949. Class 21.

521,475. DENTAL ABRASIVE SEPARATING DISKS. THE L. D. CAULK COMPANY, Milford, Del.
Filed Feb. 18, 1948, Serial No. 550,018. Published Nov. 15, 1949. Class 44.

521,476. COAL, WOOD, GAS, GASOLENE AND OIL STOVES, COAL, WOOD AND GAS RANGES, BLACKSMITH AND PRESSURE BLOWERS FOR PORTABLE FORGES, PORTABLE FORGES, AND OIL LANTERNS. C. M. MCCLUNG & CO., Knoxville, Tenn.
Filed Feb. 19, 1948, Serial No. 550,162. Published Nov. 15, 1949. Class 34.

521,477. RADIOS AND RADIO PARTS—NAMELY, TUBES, CONDENSERS, ETC. ALMO RADIO CO., Philadelphia, Pa.
Filed Feb. 24, 1948, Serial No. 550,374. Published Dec. 6, 1949. Class 21.

521,478. SPRING SASH BALANCES. DUPLEX INCORPORATED, Los Angeles, Calif.
Filed Feb. 24, 1948, Serial No. 550,397. Published Nov. 22, 1949. Class 13.

521,479. LIGHTER FLUID USABLE AS A SPOT REMOVER. THE SOUTHLAND COMPANY, Yazoo City, Miss.
Filed Feb. 26, 1948, Serial No. 550,626. Published Nov. 22, 1949. Class 52.

521,480. HINGE PINS FOR WIRE BELT HOOKS. ARMSTRONG-BRAY & CO., Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,774. Published Nov. 15, 1949. Class 13.

521,481. FRESH VEGETABLES AND FRESH MELONS. EATON FRUIT COMPANY, INC., Phoenix, Ariz.
Filed Mar. 1, 1948, Serial No. 550,903. Published Nov. 22, 1949. Class 46.

521,482. ELECTRIC ARC WELDING MACHINES, WELDING UNITS AND PARTS THEREOF, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Mar. 2, 1948, Serial No. 551,034. Published Nov. 8, 1949. Class 21.

521,483. PERFUME. CHANEL, INC., New York, N. Y.
Filed Mar. 4, 1948, Serial No. 551,168. Published Nov. 15, 1949. Class 51.

521,484. HYDRATED LIME, HYDRATED DOLOMITE, AND PHOSPHATIC FERTILIZERS. THE PERMANENTE METALS CORPORATION, Oakland, Calif.
Filed Mar. 9, 1948, Serial No. 551,583. Published Oct. 4, 1949. Class 10.

521,485. FERTILIZER MATERIAL AND SOIL BUILDER COMPRISED OF A MARL DEPOSIT OF CALCIUM CARBONATE. WASHINGTON NATURAL PRODUCTS CO., Seattle, Wash.
Filed Mar. 13, 1948, Serial No. 551,925. Published July 5, 1949. Class 10.

521,486. BATHROOM FIXTURES—NAMELY, TOILET SEATS AND TOILET COVERS AND HINGES FOR THE SAME. C. F. CHURCH MFG. CO., Willimansett, Mass.
Filed Mar. 15, 1948, Serial No. 551,944. Published Nov. 15, 1949. Class 13.

521,487. PARTS FOR AIRPLANES CONSISTING OF IGNITION PARTS, ETC. DIEMOLDING CORPORATION, Canastota, N. Y.
Filed Mar. 15, 1948, Serial No. 551,955. Published Nov. 8, 1949. Class 21.

521,488. ELECTRIC WASTE DISPOSAL UNITS ATTACHABLE TO PLUMBING SYSTEMS. GIVEN MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Mar. 15, 1948, Serial No. 551,968. Published Nov. 15, 1949. Class 21.

521,489. GAS WATER HEATERS. A. O. SMITH CORPORATION, Milwaukee, Wis.
Filed Mar. 15, 1948, Serial No. 552,012. Published Nov. 22, 1949. Class 34.

521,490. FERTILIZER FOR HOUSE PLANTS. VIADANS FARMS, Phelps, N. Y.
Filed Mar. 18, 1948, Serial No. 552,290. Published Oct. 4, 1949. Class 10.

521,491. SHEETS OF PLASTIC MATERIAL ADAPTED TO BE USED AS A SUBSTITUTE FOR LEATHER IN WEARING APPAREL, AND MORE ESPECIALLY AS A BACKING FOR LADIES' BELTS AND FOR TRIMMINGS, FACINGS, LININGS, AND THE LIKE. ADOLPH WEITZMAN, New York, N. Y.
Filed Mar. 19, 1948, Serial No. 552,403. Published Oct. 4, 1949. Class 50.

521,492. ELECTRIC ARC WELDING MACHINES, WELDING UNITS AND PARTS THEREOF, CARBON ELECTRODES, ELECTRICAL CABLE AND ELECTRODE HOLDERS, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Mar. 19, 1948, Serial No. 552,479. Published Nov. 8, 1949. Class 21.

521,493. FISHHOOKS. SHOE FORM CO. INC., Auburn, N. Y.
Filed Mar. 19, 1948, Serial No. 552,500. Published Nov. 15, 1949. Class 22.

521,494. ELECTRIC FLOOR POLISHERS. THE DUMORE COMPANY, Racine, Wis.
Filed Nov. 19, 1947, Serial No. 541,655. Published Nov. 15, 1949. Class 21.

521,495. HOUSE-ORGAN MAGAZINE. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed Mar. 22, 1948, Serial No. 552,711. Published Nov. 22, 1949. Class 38.

521,496. REENFORCED PAPER USED AS A BUILDING OR SHEATHING PAPER. AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass.
Filed Mar. 26, 1948, Serial No. 553,059. Published Oct. 25, 1949. Class 12.

521,497. ELECTRICAL APPARATUS—NAMELY, PORTABLE BRACKET LAMPS ADAPTED TO BE HUNG ON WALLS; TABLE LAMPS; FLOOR LAMPS; ETC. RAILLEY CORPORATION, Cleveland, Ohio.
Filed Mar. 29, 1948, Serial No. 553,307. Published Dec. 6, 1949. Class 21.

521,498. HOUSE-ORGAN MAGAZINE. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed Mar. 31, 1948, Serial No. 553,519. Published Nov. 22, 1949. Class 38.

521,499. CHEMICAL FERTILIZER. BOYLE-MIDWAY INC., Jersey City, N. J.
Filed Apr. 1, 1948, Serial No. 553,571. Published Oct. 4, 1949. Class 10.

521,500. DRY CELL BATTERIES AND HANDLAMPS. OLIN INDUSTRIES, INC., New Haven, Conn.
Filed Apr. 1, 1948, Serial No. 553,638. Published Dec. 6, 1949. Class 21.

521,501. LUBRICATING OILS. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed Apr. 5, 1948, Serial No. 553,924. Published Nov. 22, 1949. Class 15.

521,502. MEDICINE TO PREVENT MALARIA-RECIDIVISMS. N. V. AMSTERDAMSCHE CHININFABRIEK, Amsterdam, Netherlands.
Filed Apr. 15, 1948, Serial No. 554,689. Published Oct. 25, 1949. Class 18.

521,503. CHEMICAL PREPARATIONS FOR EXTERMINATING WEEDS. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed Apr. 17, 1948, Serial No. 554,848. Published Nov. 15, 1949. Class 6.

521,504. FRESH GRAPES. COSTA BROS., Stockton, Calif.
Filed Apr. 19, 1948, Serial No. 554,953. Published Nov. 22, 1949. Class 46.

521,505. CHECK-VALVES, TIRE-VALVES, AND LIQUID-STRAINERS. THE ANTHONY COMPANY, Long Island, N. Y.
Filed Apr. 20, 1948, Serial No. 555,038. Published Oct. 25, 1949. Class 13.

521,506. MAGAZINE. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed Apr. 21, 1948, Serial No. 555,228. Published Nov. 8, 1949. Class 38.

521,507. SANITARY NAPKINS AND TOOTHPICKS. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Apr. 22, 1948, Serial No. 555,340. Published Nov. 15, 1949. Class 44.

521,508. HAND AND BATH SOAP. THE ARMAND COMPANY, Des Moines, Iowa.
Filed Apr. 24, 1948, Serial No. 555,478. Published Oct. 18, 1949. Class 52.

521,509. NATURAL OR FORCED DRAFT STOKERS. AMERICAN COAL BURNER COMPANY, Chicago, Ill.
Filed Aug. 25, 1947, Serial No. 555,862. Published Nov. 15, 1949. Class 34.

521,510. SCAFFOLDS. THE PATENT SCAFFOLDING CO., INC., Long Island City, N. Y.
Original filed, act of 1946, Supplemental Register, Dec. 23, 1947; amended to application, Principal Register, June 22, 1949, Serial No. 555,899. Published Oct. 4, 1949. Class 50.

521,511. CARBONATING AND/OR OXYGENATING BEVERAGES. ICECRAFTER, INC., Blue Island, Ill.
Filed May 3, 1948, Serial No. 556,098. Published Oct. 18, 1949. Class 23.

521,512. WIRE STITCHING MACHINES. INLAND WIRE PRODUCTS COMPANY, Chicago, Ill.
Filed May 4, 1948, Serial No. 556,201. Published Nov. 8, 1949. Class 23.

521,513. TOY HORNS FOR CHILDREN'S PLAY VEHICLES. SOUND DEVICES, INC., Covington, Ky.
Filed May 5, 1948, Serial No. 556,294. Published Nov. 15, 1949. Class 22.

521,514. COAL. JEDDO-HIGHLAND COAL COMPANY, Jeddo, Pa.
Filed May 6, 1948, Serial No. 556,343. Published Nov. 15, 1949. Class 1.

521,515. HEATING UNIT CONSISTING OF A SMALL FURNACE, ETC. MCQUAY-NORRIS MANUFACTURING CO., St. Louis, Mo.
Filed May 10, 1948, Serial No. 556,644. Published Nov. 15, 1949. Class 34.

521,516. FISHING RODS, FISHING REELS, FISHING LINES, AND ARTIFICIAL FISH BAITS AND LURES. SOUTH BEND BAIT COMPANY, South Bend, Ind.
Filed May 10, 1948, Serial No. 556,663. Published Oct. 25, 1949. Class 22.

521,517. TAPS, DIES, DIE-HEADS, TOOL-HOLDERS AND THREADING TOOLS. THE GEOMETRIC TOOL COMPANY, New Haven, Conn., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts.
Filed May 13, 1948, Serial No. 556,957. Published Oct. 4, 1949. Class 23.

521,518. IRRADIATED DRY YEAST FOR DOGS AND OTHER ANIMALS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed May 13, 1948, Serial No. 556,993. Published Nov. 22, 1949. Class 46.

521,519. ORCHARD HOES. THE FACT CORPORATION, Meadville, Pa.
Filed May 14, 1948, Serial No. 557,032. Published Oct. 4, 1949. Class 23.

521,520. GASOLINE POWERED GENERATORS AND CONTROL PANELS THEREFOR. BELLINGHAM MANUFACTURING CO., Bellingham, Wash.
Filed May 18, 1948, Serial No. 557,245. Published Nov. 22, 1949. Class 21.

521,521. DENTAL COUNTERIRRITANT IN THE FORM OF A POULTICE. THE SORGOS COMPANY, Havre de Grace, Md.
Filed May 18, 1948, Serial No. 557,280. Published Oct. 25, 1949. Class 18.

521,522. WET CELL AUTOMOTIVE STORAGE BATTERIES. ARTHUR SCHEINES, doing business under the trade name of Golden State Enterprises, Los Angeles, Calif.
Filed May 18, 1948, Serial No. 557,312. Published Dec. 6, 1949. Class 21.

521,523. PROJECTION BOXES INCLUDING OPTICAL SYSTEMS AND CATHODE RAY TUBES FOR PRODUCING PROJECTED TELEVISION IMAGES AND HIGH VOLTAGE POWER SUPPLY UNITS. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y.
Filed May 19, 1948, Serial No. 557,379. Published Nov. 8, 1949. Class 21.

521,524. OVEN FOR BARBECUING MEATS. CAMPBELL J. HOYEN, Portland, Oreg.
Filed May 25, 1948, Serial No. 557,752. Published Nov. 15, 1949. Class 34.

521,525. TOILET AND SHAVING SOAPS AND LIQUID AND POWDERED SHAMPOO PREPARATIONS HAVING A SOAP BASE. PERFUMERIA GAL, S. A., Madrid, Spain.
Filed May 25, 1948, Serial No. 557,767. Published Oct. 25, 1949. Class 51.

521,526. FINELY DIVIDED FUSED ADMIXTURE OF FELDSPAR AND PHOSPHATE ROCK. FERRO ENAMEL CORPORATION, Cleveland, Ohio.
Filed May 26, 1948, Serial No. 557,837. Published July 12, 1949. Class 10.

521,527. SECTION AND COLUMN IN A PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed May 28, 1948, Serial No. 558,079. Published Nov. 8, 1949. Class 38.

521,528. COAL AND COKE. C. W. HENDLEY & COMPANY, INC., Baltimore, Md.
Filed June 2, 1948, Serial No. 558,300. Published Nov. 15, 1949. Class 1.

521,529. PERMANENT WAVE APPARATUS, CURLER JACKETS, EXOTHERMIC HEATING ELEMENTS FOR THE SAME, AND PROTECTOR CLIPS. RILLING COMPANY, Bridgeport, Conn.
Filed June 5, 1948, Serial No. 558,596. Published Nov. 15, 1949. Class 44.

521,530. SHEETS OF PRINTED LETTERS FOR USE IN CONNECTION WITH ADVERTISING LAYOUTS. NOTOGRAVURE, INC., New York, N. Y.
Filed June 9, 1948, Serial No. 558,805. Published Nov. 22, 1949. Class 38.

521,531. FUR PELTS. GITLER & CO., INC., New York, N. Y.
Filed June 11, 1948, Serial No. 559,020. Published Nov. 15, 1949. Class 1.

521,532. PLANT FOOD AND FERTILIZER MIXTURES. PAUL A. CHATELIER, doing business as Chatelier Laboratories, St. Petersburg, Fla.
Filed June 14, 1948, Serial No. 559,136. Published July 12, 1949. Class 10.

521,533. ALCOHOLS, KETONES, AMMONIA, AND SOIL FUMIGANT. SHELL CHEMICAL CORPORATION, New York, N. Y.
Filed June 15, 1948, Serial No. 559,251. Published Oct. 25, 1949. Class 6.

521,534. DAIRY PRODUCTS ORDER BOARD. KATHERINE D. NELSON, Mankato, Minn.
Filed June 16, 1948, Serial No. 559,314. Published Oct. 25, 1949. Class 50.

521,535. PERIODICAL. HEYDEN CHEMICAL CORPORATION, New York, N. Y.
Filed June 17, 1948, Serial No. 559,815. Published Nov. 22, 1949. Class 38.

521,536. CHRISTMAS TREE ORNAMENTS. JOHN F. REICH, Kansas City, Mo.
Filed June 21, 1948, Serial No. 559,861. Published Oct. 25, 1949. Class 50.

521,537. FISHING RODS AND LEADER LINE. LEONARD F. HELBIG, JR., doing business as L. F. Helbig Co., Philadelphia, Pa.
Filed June 26, 1948, Serial No. 560,264. Published Oct. 25, 1949. Class 22.

521,538. CHINAWARE—NAMELY, DINNERWARE AND VASES. ROBERT BLOCH AND SIMONE VAN MOPPES BLOCH, New York, N. Y.
Filed June 29, 1948, Serial No. 560,377. Published Oct. 25, 1949. Class 30.

521,539. OLD DISCARDED NEWSPAPER SOLD IN BALES. DELIA BROS., Brooklyn, N. Y.
Filed July 2, 1948, Serial No. 560,606. Published Nov. 15, 1949. Class 1.

521,540. LUBRICATING OIL. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y.
Filed July 2, 1948, Serial No. 560,665. Published Nov. 1, 1949. Class 15.

521,541. INTERIOR AND EXTERIOR ADMISSION DOORS FOR USE IN BUILDINGS, AND EITHER PARTIALLY OR WHOLLY COMPOSED OF GLASS. THE RELIANCE ART METAL COMPANY, Cincinnati, Ohio.
Filed July 7, 1948, Serial No. 560,840. Published Nov. 15, 1949. Class 12.

521,542. EMULSIFYING AGENT USED IN THE MANUFACTURE OF ABRASIVE SUSPENSIONS. T. G. COOPER & CO., INC., Philadelphia, Pa.
Filed July 8, 1948, Serial No. 560,865. Published Nov. 15, 1949. Class 6.

521,543. ELECTRICAL APPARATUS—NAMELY, MAGNET WIRE, ENAMELED WIRE, PLAIN AND HEAVY TEXTILE COVERED WIRE, LITZ WIRE, VOICE COIL WIRE, GLASS COVERED WIRE. HUDSON WIRE COMPANY, Ossining, N. Y.
Filed July 8, 1948, Serial No. 560,890. Published Nov. 22, 1949. Class 21.

521,544. CHILDREN'S SLEDS, SCOOTERS, VELOCIPEDES. HENRY MODELL & CO., INC., New York, N. Y.
Filed July 10, 1948, Serial No. 561,132. Published Oct. 25, 1949. Class 22.

521,545. GASOLINE. THE STANDARD OIL COMPANY, Cleveland, Ohio.
Filed July 10, 1948, Serial No. 561,151. Published Nov. 15, 1949. Class 15.

521,546. AGRICULTURAL MINERALS. RANDALL MILLS CORP., Paramount, Calif.
Filed July 19, 1948, Serial No. 561,682. Published Oct. 4, 1949. Class 10.

521,547. AGRICULTURAL MINERALS. RANDALL MILLS CORP., Paramount, Calif.
Filed July 19, 1948, Serial No. 561,683. Published Oct. 4, 1949. Class 10.

521,548. ARTIFICIAL FISH BAIT OR LURE. SCOOTERPOOPER SALES, INC., Columbia, S. C.
Filed July 19, 1948, Serial No. 561,690. Published Oct. 25, 1949. Class 22.

521,549. COOKING IMPLEMENTS—NAMELY, A TUBE AND BASE AND AN EXTENSION TO HOLD THE TUBE TO BASE IN A FIRM POSITION, WHICH IS INSERTED IN A ROASTING PAN FOR AUTOMATICALLY BASTING FOODS AS THE SAME ARE BEING COOKED. THE PAUL V. SHELL CO., doing business as Percomatic, Kansas City, Mo.
Filed July 19, 1948, Serial No. 561,691. Published Nov. 22, 1949. Class 13.

521,550. GARMENT HANGERS. BYRON T. PETTY, doing business as Petty Manufacturing Company, Effingham, Ill.
Filed July 20, 1948, Serial No. 561,765. Published Oct. 25, 1949. Class 50.

521,551. OILY VISCOUS LIQUIDS FOR USE ON DUST COLLECTING SURFACES FOR DUST RETENTION PURPOSES. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky.
Filed July 23, 1948, Serial No. 562,004. Published Nov. 15, 1949. Class 15.

521,552. LIQUID PREPARATION TO BE USED IN THE TREATMENT OF TOOTHACHE, INSECT BITES, HORSE COLIC, CUTS AND BRUISES, COLDS, MUSCULAR STRAINS AND SPRAINS, AND AS A LINIMENT. MONTICELLO DRUG COMPANY, Jacksonville, Fla.
Filed July 23, 1948, Serial No. 562,081. Published Nov. 1, 1949. Class 18.

521,553. PHARMACEUTICAL CALCIUM AND VITAMIN D PREPARATIONS. VITAMINS LIMITED, London, England.
Filed July 23, 1948, Serial No. 562,109. Published Nov. 1, 1949. Class 18.

521,554. SYNTHETIC RUBBER SHEETING FOR USE IN PLANT PROPAGATION. WILLIAM R. GROVE, Laurel, Fla.
Filed July 27, 1948, Serial No. 562,260. Published Oct. 18, 1949. Class 50.

521,555. AGRICULTURAL INSECTICIDES AND FUNGICIDES. CAROLINA CHEMICALS, INC., Leesville, S. C.
Filed July 6, 1948, Serial No. 562,592. Published Nov. 15, 1949. Class 6.

521,556. FLUSHING OIL FOR USE IN FLUSHING CRANKCASES IN INTERNAL COMBUSTION ENGINES. THE PURE OIL COMPANY, Chicago, Ill.
Filed Aug. 4, 1948, Serial No. 562,805. Published Nov. 15, 1949. Class 15.

521,557. DRY CLEANING APPARATUS—NAMELY, WASHERS, TUMBLERS, FILTERS, MECHANICAL DRYERS, MECHANICAL DEODORIZERS, ETC. BUTLER MFG. COMPANY, Kansas City, Mo.
Filed Aug. 5, 1948, Serial No. 562,828. Published Nov. 22, 1949. Class 24.

521,558. DRY POWDERED CHEMICAL FIRE EXTINGUISHING COMPOSITIONS. ANSUL CHEMICAL COMPANY, Marinette, Wis.
Filed Aug. 10, 1948, Serial No. 563,096. Published Nov. 1, 1949. Class 6.

521,559. SHOE LASTS. VULCAN CORPORATION, Portsmouth, Ohio.
Filed Aug. 11, 1948, Serial No. 563,230. Published Oct. 25, 1949. Class 50.

521,560. TELEVISION RECEIVING SETS. CASCADE TELEVISION CO., Newark, N. J.
Filed Aug. 12, 1948, Serial No. 563,237. Published Nov. 22, 1949. Class 21.

521,561. PLASTIC TOY TELEPHONE SET, CHILDREN'S MONEY-SAVING BANK, TOY AUTOMOBILE. COLUMBUS PLASTIC PRODUCTS, INC., Columbus, Ohio.
Filed Aug. 12, 1948, Serial No. 563,240. Published Nov. 15, 1949. Class 22.

521,562. TOY GUNS, HOLSTERS, SPURS, CUFFS, ROPES, AND TRICK ROPES. C. RAY LAWYER, doing business as C. Ray Lawyer Companies, Berkeley, Calif.
Filed Aug. 14, 1948, Serial No. 563,423. Published Oct. 25, 1949. Class 22.

521,563. PUZZLES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed Aug. 16, 1948, Serial No. 563,483. Published Nov. 15, 1949. Class 22.

521,564. PUZZLES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed Aug. 16, 1948, Serial No. 563,484. Published Nov. 15, 1949. Class 22.

521,565. PETROLEUM LUBRICATING GREASE. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed Aug. 16, 1948, Serial No. 563,504. Published Nov. 15, 1949. Class 15.

521,566. DOLLS MADE FROM PLASTIC. THOMAS MANUFACTURING CORPORATION, Newark, N. J.
Filed Aug. 3, 1948, Serial No. 563,567. Published Nov. 15, 1949. Class 22.

521,567. ELECTRIC RESISTORS; CONDENSERS; CAPACITORS; TRIMMER CONDENSERS; ETC. TESLA, NARODNI PODNIK, also doing business as Tesla, National Corporation, Prague, Czechoslovakia.
Filed Aug. 17, 1948, Serial No. 563,645. Published Nov. 29, 1949. Class 21.

521,568. SCALP OIL. E. W. HILL, doing business as The Webb Company, Evanston, Ill.
Filed Aug. 20, 1948, Serial No, 563,784. Published Nov. 15, 1949. Class 51.

521,569. FERTILIZERS AND SOIL SULPHUR. HAYES-SAMMONS COMPANY, Mission, Tex.
Filed Aug. 23, 1948, Serial No. 563,853. Published Oct. 25, 1949. Class 10.

521,570. PERFUMED SACHET CREAM. INTERSTATE SALES COMPANY, Waco, Tex.
Filed Aug. 24, 1948, Serial No. 563,930. Published Nov. 22, 1949. Class 51.

521,571. PRECISION-FITTING SECTIONS OF WALL, DOOR AND WINDOW PANELS, ETC. PREFAB HOMES AND SUPPLIES, INC., Baltimore, Md.
Filed Aug. 25, 1948, Serial No. 564,153. Published Nov. 15, 1949. Class 12.

521,572. PLASTIC ROOF COATING, WATERPROOFING COMPOUNDS OTHER THAN PAINTS FOR CONSTRUCTION MATERIALS AND A CAULKING COMPOUND; ETC. SOMAY PRODUCTS, INC., Miami, Fla.
Filed Aug. 25, 1948, Serial No. 564,165. Published Nov. 15, 1949. Class 12.

521,573. IRONING BOARDS AND IRONING BOARD COVERS. HOUSEHOLD SPECIALTIES, INCORPORATED, Cincinnati, Ohio.
Filed Aug. 26, 1948, Serial No. 564,307. Published Nov. 8, 1949. Class 24.

521,574. POWDERED GRAPHITE LUBRICANT. PANEF MANUFACTURING CO., INC., Milwaukee, Wis.
Filed Aug. 30, 1948, Serial No. 564,399. Published Nov. 15, 1949. Class 15.

521,575. ELECTRICAL AND TELEPHONIC THERMOPLASTIC INSULATORS—NAMELY, LINE SPACERS FOR UNDERGROUND ELECTRICAL CONDUITS, INSULATORS FOR ELECTRIC FENCES, ETC. THE CLEVELAND CONTAINER COMPANY, Cleveland, Ohio.
Filed Aug. 31, 1948, Serial No. 564,434. Published Nov. 8, 1949. Class 21.

521,576. TOY BALLOONS. NATIONAL HYGIENIC PRODUCTS CORP., Akron, Ohio.
Filed Aug. 31, 1948, Serial No. 564,458. Published Oct. 25, 1949. Class 22.

521,577. GREASE USED AS AN EXTREME PRESSURE LUBRICANT. SUN OIL COMPANY, Philadelphia, Pa.
Filed Aug. 31, 1948, Serial No. 564,483. Published Nov. 15, 1949. Class 15.

521,578. HANDLES MADE OF MOLDED PLASTIC MATERIALS FOR COOKING CONTAINERS. NORTON LABORATORIES INC., Lockport, N. Y.
Filed Sept. 2, 1948, Serial No. 564,580. Published Nov. 1, 1949. Class 13.

521,579. GAME PLAYED WITH MOVABLE PIECES. EDWARD TOS, New York, N. Y.
Filed Sept. 3, 1948, Serial No. 564,665. Published Oct. 25, 1949. Class 22.

521,580. SHOULDER PADS OF SPECIAL RIGID CONSTRUCTION WORN BY FOOTBALL PLAYERS TO PROTECT INJURED OR TENDER SHOULDERS. WILSON SPORTING GOODS CO., Chicago, Ill.
Filed Sept. 3, 1948, Serial No. 564,672. Published Oct. 25, 1949. Class 22.

521,581. HIP AND KIDNEY PROTECTING OR BLOCKING PADS, WORN BY PARTICIPANTS IN SPORTS WHERE BODILY CONTACT IS ESSENTIAL, SUCH AS FOOTBALL, ICE HOCKEY, LACROSSE, AND LIKE GAMES. WILSON SPORTING GOODS CO., Chicago, Ill.
Filed Sept. 3, 1948, Serial No. 564,673. Published Oct. 25, 1949. Class 22.

521,582. FISHHOOKS. O. MUSTAD & SÖN, Oslo, Norway.
Filed Sept. 7, 1948, Serial No. 564,781. Published Nov. 15, 1949. Class 22.

521,583. DOLLS. CABBAGE PATCH CIRCLE, Louisville, Ky.
Filed Sept. 10, 1948, Serial No. 564,929. Published Oct. 25, 1949. Class 22.

521,584. ELECTRIC COOKING AND HEATING STOVES AND OVENS. S. F. APPLIANCES, LIMITED, Ridgefield, N. J.
Filed Sept. 10, 1948, Serial No. 564,970. Published Nov. 15, 1949. Class 21.

521,585. LUBRICATING OILS AND GREASES. UNIVERSAL MOTOR OILS CO., INC., Wichita, Kans.
Filed Sept. 15, 1948, Serial No. 565,214. Published Nov. 15, 1949. Class 15.

521,586. ADHESIVE SYNTHETIC ELASTOMER COMPOUND CEMENTS USED FOR ADHERING SIMILAR AND DISSIMILAR MATERIALS, AS PROTECTIVE COATINGS AND FOR OTHER PURPOSES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed Sept. 16, 1948, Serial No. 565,248. Published Nov. 15, 1949. Class 5.

521,587. BINGO BOARD UNITS. MARK HERRING, doing business as Ace Bingo and Equipment, Denver, Colo.
Filed Sept. 20, 1948, Serial No. 565,489. Published Nov. 15, 1949. Class 22.

521,588. SIZING AGENT USED AS A FILLER FOR AND TO IMPART QUALITIES OF BODY AND HAND TO FABRICS OF SILK, WOOL, COTTON, AND OF OTHER MATERIALS, NATURAL AND SYNTHETIC. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J.
Filed Sept. 20, 1948, Serial No. 565,494. Published Nov. 22, 1949. Class 6.

521,589. WETTING AGENT AND A GERMICIDE FOR GENERAL SANITATION USE AND FOR PHARMACEUTICAL AND VETERINARIAN USE. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J.
Filed Sept. 20, 1948, Serial No. 565,495. Published Nov. 15, 1949. Class 18.

521,590. REFINED OR UNREFINED PETROLEUM PRODUCTS, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, ETC. CITIES SERVICE OIL COMPANY, Bartlesville, Okla.
Filed Sept. 21, 1948, Serial No. 565,542. Published Nov. 22, 1949. Class 15.

521,591. STARCH USED FOR LAUNDRY PURPOSES. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed Sept. 21, 1948, Serial No. 565,559. Published Nov. 15, 1949. Class 6.

521,592. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed Sept. 22, 1948, Serial No. 565,610. Published Oct. 25, 1949. Class 22.

521,593. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed Sept. 23, 1948, Serial No. 565,695. Published Nov. 15, 1949. Class 22.

521,594. FISHING REELS. THE ENTERPRISE MANUFACTURING CO., Akron, Ohio.
Filed Sept. 23, 1948, Serial No. 565,697. Published Nov. 15, 1949. Class 22.

521,595. COMMERCIAL PHOTOGRAPHS. THE PHOTO-MATIC COMPANY, Chicago, Ill.
Filed Sept. 24, 1948, Serial No. 565,810. Published Nov. 22, 1949. Class 38.

521,596. REFINED PETROLEUM PRODUCTS—NAMELY, GASOLINE, KEROSENE, NAPHTHA, BURNING OILS, HEATING OILS, AND LUBRICATING OILS. NEW MEXICO ASPHALT & REFINING COMPANY, Artesia, N. Mex.
Filed Sept. 29, 1948, Serial No. 566,094. Published Nov. 22, 1949. Class 15.

521,597. SMALL TOY CABINS, BOYS' WORK BENCHES, MINIATURE FURNITURE, AND BUILDING BLOCKS. ROHANA, INC., Saginaw, Mich.
Filed Sept. 30, 1948, Serial No. 566,170. Published Nov. 8, 1949. Class 22.

521,598. DOWEL PINS, SCREWS, AND STRIPPER BOLTS, ETC. ALLIED PRODUCTS CORPORATION, Detroit, Mich.
Filed Oct. 2, 1948, Serial No. 566,312. Published Nov. 22, 1949. Class 13.

521,599. DRIP PANS FOR FLUSH TANKS. GARNER & Co., New York, N. Y., assignor to Terminal Metal Products Corporation, Brooklyn, N. Y., a corporation of New York.
Filed Sept. 29, 1948, Serial No. 566,435. Published Nov. 22, 1949. Class 13.

521,600. HAIR WAVING LOTION. LADY OLIVIA, INC., Boston, Mass.
Filed Oct. 5, 1948, Serial No. 566,465. Published Nov. 15, 1949. Class 51.

521,601. PREPARATION HAVING ANTIHISTAMINIC PROPERTIES, USEFUL IN THE TREATMENT AND PREVENTION OF ALLERGIC MANIFESTATIONS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Oct. 6, 1948, Serial No. 566,550. Published Nov. 15, 1949. Class 18.

521,602. MEDICINAL PREPARATION OF TESTOSTERONE PROPIONATE FOR USE IN THE TREATMENT OF GLANDULAR DYSFUNCTION. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed Oct. 7, 1948, Serial No. 566,624. Published Nov. 15, 1949. Class 18.

521,603. SYNTHETIC RESINS IN SOLUTION AND EMULSION FORMS FOR PROTECTIVE COATING AND WATERPROOFING OF LEATHER AND SHEET MATERIAL COMPOSED PARTLY OF LEATHER. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed Oct. 7, 1948, Serial No. 566,634. Published Nov. 1, 1949. Class 6.

521,604. KITS FOR CONSTRUCTING TOY ELECTRICAL MOTORS. WILKIT TOY CORPORATION, Chicago, Ill.
Filed Oct. 7, 1948, Serial No. 566,681. Published Nov. 15, 1949. Class 22.

521,605. DOMESTIC LAUNDRY APPLIANCES—NAMELY, WASHING MACHINES, CLOTHES DRIER MACHINES, AND IRONING MACHINES. NINETEEN-HUNDRED CORPORATION, St. Joseph, Mich.
Filed Oct. 8, 1948, Serial No. 566,714. Published Nov. 22, 1949. Class 24.

521,606. RETURN TRAPS. THE JOHNSON CORPORATION, Three Rivers, Mich.
Filed Oct. 7, 1948, Serial No. 566,838. Published Oct. 25, 1949. Class 13.

521,607. BOOT JACKS AND COMBINED BOOT JACKS AND MUD SCRAPERS. MYRON H. JOHNSTONE, Manistee, Mich.
Filed Oct. 12, 1948, Serial No. 566,883. Published Oct. 25, 1949. Class 50.

521,608. WOODLINK FLOOR MATS. HOUGH SHADE CORPORATION, Janesville, Wis.
Filed Oct. 15, 1948, Serial No. 567,023. Published Oct. 25, 1949. Class 50.

521,609. ELECTRICAL CONDUCTING WIRE, AND FOR TIE WIRE USED IN TELEPHONE AND TELEGRAPH LINES. NICHOLS WIRE AND ALUMINUM COMPANY, Davenport, Iowa.
Filed Oct. 15, 1948, Serial No. 567,030. Published Nov. 29, 1949. Class 21.

521,610. IGNITION PARTS FOR INTERNAL COMBUSTION ENGINES CONSISTING OF DISTRIBUTOR CONDENSERS, DISTRIBUTOR CONTACT SETS, DISTRIBUTOR CAPS, DISTRIBUTOR ROTORS, AND IGNITION COILS. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed Oct. 18, 1948, Serial No. 567,127. Published Nov. 29, 1949. Class 21.

521,611. CLEANING SOLUTION OR COMPOUND FOR OFFICE AND HOME USE TO REMOVE INK, CARBON, AND GREASE FROM ONE'S HANDS. PINE-O-PINE COMPANY OF TEXAS, Houston, Tex.
Filed Oct. 18, 1948, Serial No. 567,151. Published Nov. 15, 1949. Class 52.

521,612. PICTURE POSTCARDS. HAROLD CHARLES DANIELS, Youngstown, Ohio.
Filed Oct. 20, 1948, Serial No. 567,239. Published Nov. 22, 1949. Class 38.

521,613. DOLLS. CAMEO DOLL PRODUCTS CO. INC., Brooklyn, N. Y., and Port Allegany, Pa.
Filed Oct. 21, 1948, Serial No. 567,385. Published Nov. 15, 1949. Class 22.

521,614. ELECTRIC CAPACITORS. AEROVOX CORPORATION, New Bedford, Mass.
Filed Oct. 22, 1948, Serial No. 567,446. Published Nov. 29, 1949. Class 21.

521,615. MAGAZINE LARGELY DEVOTED TO NEWS ABOUT PEOPLE WHO MAKE AND SELL APPLICANT'S BEVERAGE "DOUBLE COLA." SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn.
Filed Oct. 25, 1948, Serial No. 567,602. Published Nov. 15, 1949. Class 38.

521,616. FISHING RODS. LESTER G. STINE, Harrisburg, Pa.
Filed Oct. 25, 1948, Serial No. 567,604. Published Nov. 15, 1949. Class 22.

521,617. INTERNAL COMBUSTION ENGINE FUELS, BURNING OILS, LUBRICATING OILS, AND GREASES. CONTINENTAL OIL COMPANY, Ponca City, Okla.
Filed Oct. 27, 1948, Serial No. 567,685. Published Nov. 22, 1949. Class 15.

521,618. ALUMINUM CULINARY UTENSILS—NAMELY, COFFEE PERCOLATORS, DRIP COFFEE MAKERS, TEA KETTLES, DOUBLE BOILERS, AND SAUCE PANS. MARSHALL FIELD & COMPANY, also doing business as Frederick & Nelson, Chicago, Ill., and Seattle, Wash.
Filed Oct. 27, 1948, Serial No. 567,704. Published Oct. 25, 1949. Class 13.

521,619. GLASSWARE FOR TABLE USE—NAMELY, COCKTAIL, CORDIAL, FRUIT JUICE, ICED TEA, SHERBET, AND WINE GLASSES; WATER GOBLETS, AND SALAD PLATES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Oct. 27, 1948, Serial No. 567,706. Published Oct. 18, 1949. Class 33.

521,620. REFINED OR UNREFINED PETROLEUM PRODUCTS, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, CUTTING, COOLING, GREASING, TEMPERING, QUENCHING, SLUSHING AND FLUSHING, AND MINERAL WAX. CITIES SERVICE OIL COMPANY, Bartlesville, Okla.
Filed Oct. 28, 1948, Serial No. 567,756. Published Nov. 22, 1949. Class 15.

521,621. STORAGE BATTERIES, BATTERY CABLES, BATTERY CHARGERS, AND SPARK PLUGS. CITIES SERVICE OIL COMPANY, Bartlesville, Okla.
Filed Oct. 28, 1948, Serial No. 567,757. Published Nov. 29, 1949. Class 21.

521,622. COIN-CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed Oct. 28, 1948, Serial No. 567,766. Published Nov. 8, 1949. Class 22.

521,623. REFINED OR UNREFINED PETROLEUM PRODUCTS, WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, ETC. CITIES SERVICE OIL COMPANY, Bartlesville, Okla.
Filed Oct. 29, 1948, Serial No. 567,852. Published Nov. 22, 1949. Class 15.

521,624. STORAGE BATTERIES, BATTERY CABLES, BATTERY CHARGERS, AND SPARK PLUGS. CITIES SERVICE OIL COMPANY, Bartlesville, Okla.
Filed Oct. 29, 1948, Serial No. 567,853. Published Dec. 6, 1949. Class 21.

521,625. ELECTRIC MOTORS. U. S. ELECTRICAL MOTORS, INC., Los Angeles, Calif.
Filed Oct. 30, 1948, Serial No. 567,933. Published Nov. 29, 1949. Class 21.

521,626. SERIES OF CARTOONS. MERCURY ADVERTISING AGENCY, INC., Los Angeles, Calif.
Filed Nov. 1, 1948, Serial No. 567,985. Published Nov. 8, 1949. Class 38.

521,627. SCREEN WIRE-CLOTH. AMERICAN WIRE FABRICS CORPORATION, New York, N. Y.
Filed Nov. 2, 1948, Serial No. 568,019. Published Nov. 1, 1949. Class 13.

521,628. ENGINEERING AND TECHNICAL REPORTS, AND INSTRUCTION MANUALS. ENGINEERING RESEARCH ASSOCIATES, INC., St. Paul, Minn., and Arlington, Va.
Filed Nov. 2, 1948, Serial No. 568,049. Published Nov. 8, 1949. Class 38.

521,629. SECTIONS OF PERIODICAL PUBLICATIONS. THE BUREAU OF NATIONAL AFFAIRS, INC., Washington, D. C.
Filed Nov. 3, 1948, Serial No. 568,095. Published Nov. 1, 1949. Class 38.

521,630. BASES FOR FLORAL DESIGNS. RAYMOND C. MELANDER, doing business as Tuffite Plastics, Ballston Spa, N. Y.
Filed Nov. 5, 1948, Serial No. 568,266. Published Oct. 25, 1949. Class 50.

521,631. FISHING LINES. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed Nov. 6, 1948, Serial No. 568,321. Published Nov. 15, 1949. Class 22.

521,632. LUBRICATING OILS. THE TEXAS COMPANY, New York, N. Y.
Filed Nov. 9, 1948, Serial No. 568,468. Published Nov. 22, 1949. Class 15.

521,633. WEEKLY PUBLICATIONS. CATHOLIC INTERCONTINENTAL PRESS, INC., New York, N. Y.
Filed Nov. 12, 1948, Serial No. 568,580. Published Nov. 8, 1949. Class 38.

521,634. FISHING LINES. SHAKESPEARE COMPANY, Kalamazoo, Mich.
Filed Nov. 15, 1948, Serial No. 568,811. Published Nov. 15, 1949. Class 22.

521,635. HYDRAULIC OILS. SWAN-FINCH OIL CORPORATION, New York, N. Y.
Filed Nov. 16, 1948, Serial No. 568,872. Published Nov. 22, 1949. Class 15.

521,636. BASEBALL GLOVES. J. A. DUBOW MANUFACTURING CO., INC., Chicago, Ill.
Filed Nov. 17, 1948, Serial No. 568,939. Published Nov. 15, 1949. Class 22.

521,637. PERIODICAL PUBLICATION. STARDUST, INCORPORATED, Poughkeepsie and New York, N. Y.
Filed Nov. 17, 1948, Serial No. 568,983. Published Nov. 8, 1949. Class 38.

521,638. INTERNAL COMBUSTION ENGINE FUELS, BURNING OILS, LUBRICATING OILS AND GREASES. CONTINENTAL OIL COMPANY, Ponca City, Okla.
Filed Nov. 16, 1948, Serial No. 569,035. Published Nov. 22, 1949. Class 15.

521,639. PUBLICATION PUBLISHED BI-MONTHLY. LOCKER MANAGEMENT, INC., St. Louis, Mo.
Filed Nov. 20, 1948, Serial No. 569,163. Published Nov. 22, 1949. Class 38.

521,640. PACKAGED GAME PLAYED WITH MOVABLE PIECES. H. HUBER BOSCOWITZ, New York, N. Y.
Filed Nov. 23, 1948, Serial No. 569,249. Published Nov. 15, 1949. Class 22.

521,641. MONTHLY PUBLICATION. JUDY PUBLISHING COMPANY, Chicago, Ill.
Filed Nov. 23, 1948, Serial No. 569,273. Published Nov. 22, 1949. Class 38.

521,642. PERFUMES AND TOILET WATERS. LANVIN-PARFUMS, INC., New York, N. Y.
Filed Nov. 23, 1948, Serial No. 569,276. Published Nov. 15, 1949. Class 51.

521,643. ANTI-HISTAMINE PREPARATION. BRISTOL LABORATORIES INC., Syracuse, N. Y.
Filed Nov. 24, 1948, Serial No. 569,346. Published Nov. 15, 1949. Class 18.

521,644. GRANITE MONUMENTS AND MEMORIALS. CHARLES FRANK, doing business as Woodbridge Monument Works, Woodbridge, N. J.
Filed Nov. 24, 1948, Serial No. 569,369. Published Oct. 25, 1949. Class 50.

521,645. MONTHLY PUBLICATION. SUN OIL COMPANY, Philadelphia, Pa.
Filed Nov. 26, 1948, Serial No. 569,485. Published Nov. 22, 1949. Class 38.

521,646. GAME IN WHICH SEPARATE PIECES ARE PUT TOGETHER TO FORM A FACE, THE CHARACTERISTICS OF WHICH ARE ANALYZED. PSYKO-FUN, INCORPORATD, Bridgeport, Conn.
Filed Nov. 29, 1948, Serial No. 569,568. Published Nov. 15, 1949. Class 22.

521,647. SOAP DISPENSERS AND PULVERIZERS. VOORHIS-TIEBOUT COMPANY, INC., Red Hook, N. Y.
Filed Nov. 30, 1948, Serial No. 569,654. Published Nov. 1, 1949. Class 13.

521,648. CHEMICAL COMPOUNDS, SPECIFICALLY COPPER SOAPS AND SOLUTIONS OF COPPER SOAPS IN ORGANIC SOLVENTS USEFUL AS FUNGICIDES FOR PRESERVATION OF WOOD, TEXTILES, AND THE LIKE. THE HARSHAW CHEMICAL COMPANY, Cleveland, Ohio.
Filed Dec. 4, 1948, Serial No. 569,970. Published Nov. 22, 1949. Class 6.

521,649. EDUCATIONAL CONSTRUCTION TOYS. C. C. HOLLINGSWORTH, Detroit, Mich.
Filed Dec. 4, 1948, Serial No. 569,973. Published Nov. 15, 1949. Class 22.

521,650. BICARBONATE OF SODA (BAKING SODA). SOUTHERN SODA WORKS COMPANY, Nashville, Tenn.
Filed Dec. 4, 1948, Serial No. 570,003. Published Nov. 22, 1949. Class 6.

521,651. CHINA AND EARTHENWARE FOR DOMESTIC AND HOUSEHOLD PURPOSES—NAMELY, DINNER AND OTHER TABLE WARE, VASES AND ORNAMENTAL BOXES OR RECEPTACLES FOR GENERAL USE. B. ALTMAN & CO., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,169. Published Oct. 25, 1949. Class 30.

521,652. GOLF CLUBS AND PARTS THEREOF, GOLF BALLS, GOLF TEES, GOLF BAGS, AND GOLF CLUB COVERS. HARRY C. LEE & CO., INC., New York, N. Y.
Filed Dec. 9, 1948, Serial No. 570,265. Published Nov. 15, 1949. Class 22.

521,653. LUBRICANT FOR USE IN PNEUMATIC TOOLS. REED ROLLER BIT COMPANY, Houston, Tex.
Filed Dec. 13, 1948, Serial No. 570,434. Published Nov. 22, 1949. Class 15.

521,654. DIETARY SUPPLEMENT TABLETS CONTAINING VITAMINS. MICHAEL J. WALSH, doing business as Dietary Laboratories, San Diego and Beverly Hills, Calif.
Filed Dec. 13, 1948, Serial No. 570,453. Published Nov. 1, 1949. Class 18.

521,655. HIGH POTENCY MULTIVITAMIN PREPARATION CONTAINING A LIVER FRACTION, FERROUS IRON, AND FOLIC ACID. ARMOUR AND COMPANY, Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,609. Published Nov. 15, 1949. Class 18.

521,656. AIR CONDITIONING AND HEATING EQUIPMENT, SPECIFICALLY, REGISTERS, GRILLS, HUMIDIFIERS, DUCT WORK, PLENUM CHAMBERS, AND SMOKE PIPES AND FITTINGS THEREFOR. CHAR-GALE MANUFACTURING COMPANY, doing business as Char-Gale Mfg. Co., Minneapolis, Minn.
Filed Dec. 17, 1948, Serial No. 570,692. Published Nov. 22, 1949. Class 34.

521,657. LIQUID SPRAY OR DIP CONCENTRATE PREPARATION FOR APPLICATION TO LIVESTOCK FOR DESTROYING CATTLE GRUBS AND OX WARBLES OR WOLVES, AND FOR CONTROLLING LICE, MITES, AND TICKS. FLORIDA CHEMICAL INDUSTRIES, INC., Ocala, Fla.
Filed Dec. 20, 1948, Serial No. 570,845. Published Nov. 15, 1949. Class 6.

521,658. OINTMENT PREPARATION USED AS A BASE FOR COMPOUNDING MEDICINAL PREPARATIONS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed Dec. 20, 1948, Serial No. 570,859. Published Nov. 15, 1949. Class 18.

521,659. LUBRICATING OILS AND GREASES. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa.
Filed Dec. 21, 1948, Serial No. 570,897. Published Nov. 22, 1949. Class 15.

521,660. LUBRICATING OILS AND GREASES. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa.
Filed Dec. 21, 1948, Serial No. 570,930. Published Nov. 22, 1949. Class 15.

521,661. LUBRICATING OILS. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa.
Filed Dec. 23, 1948, Serial No. 571,019. Published Nov. 22, 1949. Class 15.

521,662. LUBRICATING OILS AND GREASES. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa.
Filed Dec. 23, 1948, Serial No. 571,021. Published Nov. 22, 1949. Class 15.

521,663. LUBRICATING OILS. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa.
Filed Dec. 23, 1948, Serial No. 571,022. Published Nov. 22, 1949. Class 15.

521,664. CHEMICALS USED AS DYESTUFFS AND INTERMEDIATES — NAMELY, NAPHTHOLS, VAT COLORS, RAPID COLORS, ACETATE COLORS, FAST COLOR BASES, FAST COLOR SALTS, PHENYLDIETHANOLAMINE, AND BETA-OXY-NAPHTHOIC ACID. PFISTER CHEMICAL WORKS, INC., Ridgefield, N. J.
Filed Dec. 23, 1948, Serial No. 571,043. Published Nov. 22, 1949. Class 6.

521,665. LUBRICATING OILS AND GREASES. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa.
Filed Dec. 27, 1948, Serial No. 571,130. Published Nov. 22, 1949. Class 15.

521,666. LUBRICATING OILS. FREEDOM-VALVOLINE OIL COMPANY, Freedom, Pa.
Filed Dec. 27, 1948, Serial No. 571,131. Published Nov. 22, 1949. Class 15.

521,667. FERTILIZER. MINDEN COTTON OIL & ICE COMPANY, LTD., Minden, La.
Filed Feb. 1, 1949, Serial No. 573,135. Published Oct. 25, 1949. Class 10.

521,668. FURFURAL RESIDUE USED AS A CONDITIONER IN MIXED FERTILIZERS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed Mar. 14, 1949, Serial No. 575,430. Published Oct. 25, 1949. Class 10.

521,669. PREPARATION INDICATED IN THE TREATMENT OF DIGESTIVE DISTURBANCES OF THE GASTROINTESTINAL TRACT, IN TABLET FORM. A. H. ROBINS COMPANY, INC., Richmond, Va.
Filed Mar. 24, 1949, Serial No. 576,017. Published Nov. 1, 1949. Class 18.

521,670. FERTILIZERS. SOUTHERN ACID & SULPHUR COMPANY, INCORPORATED, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia.
Filed Mar. 26, 1949, Serial No. 576,144. Published Oct. 25, 1949. Class 10.

521,671. SULPHUR IN POWDER AND GRANULATED FORM FOR FERTILIZERS USED IN AGRICULTURE AS PLANT FOOD. SOUTHERN ACID & SULPHUR COMPANY, INCORPORATED, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia.
Filed Mar. 26, 1949, Serial No. 576,168. Published Oct. 25, 1949. Class 10.

521,672. FLUORESCENT LIGHTING FIXTURES. MITCHELL MANUFACTURING COMPANY, Chicago, Ill.
Filed Apr. 7, 1949, Serial No. 576,766. Published Nov. 8, 1949. Class 21.

521,673. LIQUID ROOF PAINTS. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed Nov. 1, 1947, Serial No. 539,890. Published Jan. 25, 1949. Class 16.

Collective Marks

521,674. FIR PLYWOOD. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash.
Filed Oct. 6, 1948, Serial No. 566,505. Published Nov. 22, 1949. Class 12.

521,675. FIR PLYWOOD. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash.
Filed Oct. 6, 1948, Serial No. 566,506. Published Nov. 22, 1949. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

521,676. (CLASS 52. DETERGENTS AND SOAPS.) STATE CHEMICAL COMPANY, INC., Kannapolis, N. C., assignor to Carolina Chemical Manufacturing Co., Inc., Granite Quarry, N. C. Original filed, act of 1905, June 20, 1946; amended to application under act of 1946. Supplemental Register, May 1, 1948, Serial No. 504,302.

Re-Nu-Brite

FOR WETTING AGENT TO BE ADMIXED WITH CLEANING SOLVENTS AND WHICH CAUSES THE DRY CLEANING FLUID TO BETTER PENETRATE THE FABRIC AND WILL NOT DISSOLVE THE SIZING IN SILKS AND COTTON WHICH SERVES TO DISSOLVE THE FATTY ACIDS IN THE DRY CLEANING FLUID SO THAT IN FILTERING THE FATTY ACIDS WILL BE REMOVED FROM THE DRY CLEANING FLUID.
Claims use since Jan. 1, 1946.

521,677. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CINCINNATI TOOL COMPANY, Norwood, Ohio. Original filed, act of 1905, Sept. 13, 1946; amended to application under act of 1946, Supplemental Register, Dec. 4, 1947, Serial No. 508,978.

PRESSURELOCK

FOR WRENCHES.
Claims use since June 12, 1946.

521,678. (CLASS 39. CLOTHING.) CANNON SHOE COMPANY, Baltimore, Md. Original filed, act of 1905, Dec. 31, 1946; amended to application under act of 1946, Supplemental Register, Dec. 7, 1948, Serial No. 515,070.

LADY CANNON

The name "Lady Cannon" is fanciful.
FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR ANY COMBINATION THEREOF.
Claims use since Aug. 26, 1946.

521,679. (CLASS 39. CLOTHING.) CANNON SHOE COMPANY, Baltimore, Md. Original filed, act of 1905, Jan. 29, 1947; amended to application under act of 1946, Supplemental Register, Dec. 14, 1948, Serial No. 516,532.

Can-flex

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR ANY COMBINATION THEREOF.
Claims use since Dec. 4, 1946.

521,680. (CLASS 39. CLOTHING.) MCBREEN SHOE CO., INC., Chicago, Ill. Original filed, act of 1905, Mar. 14, 1947; amended to application under act of 1946, Supplemental Register, Oct. 7, 1948, Serial No. 519,023.

Play-Walker CASUALS

FOR SHOES OF LEATHER AND FABRIC.
Claims use since Jan. 1, 1947.

521,681. (CLASS 39. CLOTHING.) THE STANDARD OVERALL COMPANY, Baltimore, Md. Original filed, act of 1905, Apr. 2, 1947; amended to application under act of 1946, Supplemental Register, Oct. 15, 1948, Serial No. 520,066.



FOR WORK SHIRTS, DUNGAREES, OVERALLS, AND COVERALLS.
Claims use since Mar. 17, 1947.

521,682. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARION A. ELLIOTTE, Grafton, N. Y. Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Supplemental Register, Nov. 17, 1949, Serial No. 521,866.

SUCKER-UPPER

FOR VACUUM LEAF COLLECTORS AND LOADERS, EACH COMPRISING A TRAILER MOUNTED, SELF-POWERED CENTRIFUGAL FAN WITH ASSOCIATED SUCTION NOZZLE AND LEAF DELIVERY DUCT.
Claims use since Apr. 18, 1947.

521,683. (CLASS 39. CLOTHING.) THE LITTLE SHIRT CO., Belton, Mo. Original filed, act of 1905, May 23, 1947; amended to application under act of 1946, Supplemental Register, June 27, 1949, Serial No. 522,900.



FOR INFANTS' AND CHILDREN'S OUTER SHIRTS.
Claims use since Feb. 24, 1947.

521,684. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. R. BROWN CORPORATION, Chicago, Ill. Original filed, act of 1905, May 24, 1947; amended to application under act of 1946, Supplemental Register, Sept. 4, 1948, Serial No. 522,994.

Speed Sprayer

FOR PAINT SPRAYERS AND SPRAY GUNS.
Claims use since Feb. 15, 1947.

521,685. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHAS. D. BRIDDELL, INC., Crisfield, Md. Original filed, act of 1905, May 28, 1947; amended to application under act of 1946, Supplemental Register, May 19, 1948, Serial No. 523,174.

Carvel Hall

FOR MEAT KNIVES.
Claims use since Apr. 15, 1947.

521,686. (CLASS 39. CLOTHING.) THE BENTON THOMPSON CO., INC., Naugatuck, Conn., and elsewhere. Original filed, act of 1905, June 13, 1947; amended to application under act of 1946, Supplemental Register, Oct. 6, 1948, Serial No. 524,106.

Rain Wraps

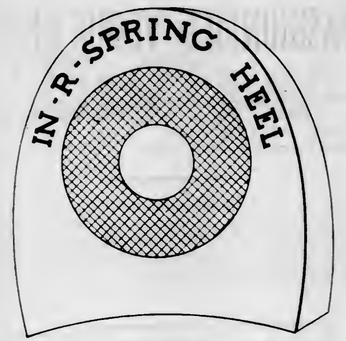
FOR WATERPROOF WRAP-AROUND SHOE COVERINGS.
Claims use since Mar. 28, 1947.

521,687. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.). JULIUS WAGERMAN, doing business as Silver Booster Mfg. Co., Los Angeles, Calif. Original filed, act of 1920, June 28, 1947; amended to application under act of 1946, Supplemental Register, Nov. 23, 1948, Serial No. 525,163.

QUICK-ON

FOR EMERGENCY CAP TENSION BOLTS FOR REPAIR OF TRACK ON CATERPILLAR TRACTORS.
Claims use since Jan. 24, 1947.

521,688. (CLASS 39. CLOTHING.) HERBERT H. SMITH, Bay Shore, N. Y. Original filed, act of 1905, June 30, 1947; amended to application under act of 1946, Supplemental Register, Nov. 23, 1948, Serial No. 525,260.



FOR RUBBER SHOE HEELS.
Claims use since Jan. 29, 1947.

521,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Original filed, act of 1946, Principal Register, Oct. 30, 1947; amended to application, Supplemental Register, Oct. 25, 1949, Serial No. 593,474.

POP-UPS

FOR CHEWING GUM.
Claims use since Oct. 27, 1947.

521,690. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DODGE MANUFACTURING CORPORATION, Mishawaka, Ind. Filed Sept. 10, 1947, Serial No. 541,791.

TAPER-LOCK

Applicant claims ownership of Registration No. 432,296.
FOR V-BELT MACHINERY DRIVES COMPRISED OF BELTING AND DRIVING AND DRIVEN SHEAVES, SOLD AS A UNIT IN UNASSEMBLED STATE, AND PARTS FOR SUCH DRIVES.
Claims use since Oct. 12, 1945.

521,691. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WULLSCHLEGER & CO., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 8, 1948; amended to application, Supplemental Register, Jan. 8, 1949, Serial No. 546,534.

CHAPULTEPEC

FOR TEXTILE FABRICS IN THE PIECE, CONSISTING OF SILK, COTTON, WOOL, NYLON, RAYON, GLASS OR PROTEIN FIBRES, OR MIXTURES THEREOF.
Claims use since Nov. 17, 1947.

521,692. (CLASS 39. CLOTHING.) JOSEPH GUTTMAN & BROS., New York, N. Y. Filed Jan. 15, 1948, Serial No. 547,114.

FASHIONED by VOGUE KNIT

Applicant claims ownership of Registration No. 346,043.
FOR LADIES' AND MISSES' KNITTED DRESSES, BLOUSES, AND SWEATERS.
Claims use since Aug. 12, 1935.

521,693. (CLASS 38. PRINTS AND PUBLICATIONS.) SUTTON PUBLISHING COMPANY, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 21, 1948; amended to application, Supplemental Register, May 5, 1949, Serial No. 547,678.

METAL-WORKING EQUIPMENT

Applicant claims ownership of Registration No. 424,412.
FOR PERIODICALS PUBLISHED FROM TIME TO TIME.
Claims use since December 1947.

521,694. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEW YORK GEAR WORKS, Richmond Hill, N. Y. Original filed, act of 1946, Principal Register, Feb. 7, 1948; amended to application, Supplemental Register, Sept. 29, 1949, Serial No. 549,083.

STOCK NEW YORK GEAR WORKS GEARS

FOR COMMERCIAL SPUR, BEVEL, WORM, SPIRAL, AND HELICAL GEARS.
Claims use since Apr. 29, 1947.

521,695. (CLASS 39. CLOTHING.) CALIFORNIA FOUNDATIONS, INC., Los Angeles, Calif. Filed Feb. 10, 1948, Serial No. 549,227.

hollywood teen-er

FOR FOUNDATION GARMENTS, PANTIES, CORSETS, GIRDLES, GARTER BELTS, PANTY GIRDLES AND BRASSIÈRES.
Claims use since Sept. 1, 1945.

521,696. (CLASS 38. PRINTS AND PUBLICATIONS.) NORCROSS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 22, 1948; amended to application, Supplemental Register, Dec. 8, 1949, Serial No. 552,691.

SANTA GETS AROUND

FOR GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS.
Claims use since Feb. 28, 1948.

521,697. (CLASS 38. PRINTS AND PUBLICATIONS.) THE ASHTABULA PRINTING COMPANY, Ashtabula, Ohio. Original filed, act of 1946, Principal Register, Apr. 16, 1948; amended to application, Supplemental Register, Dec. 9, 1949, Serial No. 554,759.

To Dispense Truth Is To Defend Freedom

FOR PERIODIC PUBLICATION—NAMELY, NEWSPAPER.
Claims use since Dec. 22, 1947.

521,698. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. HOGUE MERCANTILE CO., Kansas City, Mo. Original filed, act of 1946, Principal Register, Apr. 17, 1948; amended to application, Supplemental Register, Oct. 20, 1949, Serial No. 554,896.

Freshnut

Applicant claims ownership of Registration No. 421,671.
FOR PEANUT BUTTER AND SALTED PEANUTS.
Claims use since Aug. 21, 1944, on peanut butter, and since Nov. 1, 1947, on salted peanuts.

521,699. (CLASS 39. CLOTHING.) TROY SPORTSWEAR CO., doing business as Troy of California, San Francisco, Calif. Original filed, act of 1946, Principal Register, Apr. 23, 1948; amended to application, Supplemental Register, Nov. 29, 1949, Serial No. 555,464.

FOR YOUR Leisureful LIFE

FOR MEN'S AND BOYS' SPORT SHIRTS AND JACKETS.
Claims use since May 1946.

521,700. (CLASS 39. CLOTHING.) KAYANESS DRESS COMPANY, INC., New York, N. Y. Original filed, act of 1946, Principal Register, June 19, 1948; amended to application, Supplemental Register, Oct. 20, 1949, Serial No. 559,712.



The Life of the Party by KAYANESS

The illustration of the girl on the drawing is fanciful.
FOR CHILDREN'S DRESSES.
Claims use since Nov. 21, 1947.

521,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAY L. INMAN, Galesburg, Mich. Original filed, act of 1946, Principal Register, July 13, 1948; amended to application, Supplemental Register, Dec. 9, 1949, Serial No. 561,241.

Mrs. Inman's

FOR SALAD DRESSING.
Claims use since Jan. 15, 1948.

521,702. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE SHIMAMOTO, doing business as Shimamoto & Sons, Imperial, Calif. Original filed, act of 1946, Principal Register, July 17, 1948; amended to application, Supplemental Register, Oct. 18, 1949, Serial No. 561,642.

CRIMSON GOLD

FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES.
Claims use since 1933.

521,703. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) EDWARD FIELDS COMPANY, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 8, 1948; amended to application, Supplemental Register, Sept. 23, 1949, Serial No. 566,698.

COLOR FLAX

FOR RUGS AND CARPETS MADE WHOLLY OR IN SUBSTANTIAL PART OF LINEN.
Claims use since Sept. 1, 1948.

521,704. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) EDWARD FIELDS CO. INC., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 8, 1948; amended to application, Supplemental Register, Sept. 23, 1949, Serial No. 566,699.

EVER-TRED

FOR TEXTILE RUGS AND CARPETS.
Claims use since Sept. 1, 1948.

521,705. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDWIN HELMREICH, West Lafayette, Ohio. Original filed, act of 1946, Principal Register, Oct. 13, 1948; amended to application, Supplemental Register, Dec. 2, 1949, Serial No. 566,934.

MotoPouch

FOR OUTBOARD MOTOR CARRYING AND STORAGE CASE.
Claims use since Apr. 25, 1947.

521,706. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWIN A. SCOTT, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 11, 1948; amended to application, Supplemental Register, Nov. 30, 1949, Serial No. 567,117.

INDUSTRIAL SHEET METAL

FOR MAGAZINE.
Claims use since Sept. 23, 1948.

521,707. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH N. BERRY, Murray, Ky. Original filed, act of 1946, Principal Register, Nov. 13, 1948; amended to application, Supplemental Register, Nov. 2, 1949, Serial No. 568,709.

The Insurance Letter

FOR NEWSLETTER.
Claims use since Nov. 3, 1947.

521,708. (CLASS 38. PRINTS AND PUBLICATIONS.) ERNEST N. BROWN, Kansas City, Mo. Original filed, act of 1946, Principal Register, Jan. 3, 1949; amended to application, Supplemental Register, Dec. 27, 1949, Serial No. 571,508.

The WEDNESDAY Magazine

FOR WEEKLY NEWSPAPERS.
Claims use since Oct. 13, 1937.

521,709. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CONDE NAST PUBLICATIONS INC., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 5, 1949; amended to application, Supplemental Register, Dec. 10, 1949, Serial No. 571,634.

LIVE AS WELL AS YOU LOOK

FOR SECTION IN A PERIODICAL.
Claims use since Sept. 16, 1948.

TRADE-MARK REGISTRATIONS RENEWED

33,756. "CENTURY." ETC. AND DESIGN. Registered Nov. 14, 1899. The Jeffrey Manufacturing Company. Re-renewed Nov. 14, 1949, to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio. RUBBER BELTING. Class 35.

33,793. "NETTLEFOLDS" ETC. AND REPRESENTATION OF TOWER AND BORDER. Registered Nov. 21, 1899. Nettlefolds, Limited, Birmingham and London, England. Re-renewed Nov. 21, 1949, to Guest, Keen & Nettlefolds Limited, Smethwick, England, a company organized under the laws of Great Britain. SCREWS OF ALL DESCRIPTIONS, CHISEL-POINTED NAILS, IRON RIVETS, IRON NUTS, IRON WASHERS, BOLTS AND NUTS, ETC. Class 13.

34,043. "JAQUEQUINA." AND DESIGN. Registered Jan. 16, 1900. The Sydney Ross Company, New York, N. Y., and Maplewood, N. J. Re-renewed Jan. 16, 1950, to The Sydney Ross Co., Newark, N. J., a corporation of New Jersey. ALLEVIATION AND CURE OF NEURALGIA, RHEUMATISM, HEADACHE, PAINFUL MENSTRUATIONS, SCIATICA, AND THE LIKE. Class 18.

34,608. R. F. S & CO. Registered May 1, 1900. R. F. Simmons & Co. Re-renewed May 1, 1950, to R. F. Simmons Co., Attleboro, Mass., a corporation of Massachusetts. CHAINS. Class 28.

75,771. "J P" AND DESIGN. Registered Nov. 16, 1909. Joseph Palazzolo. Re-renewed Nov. 16, 1949, to Andrew A. Palazzolo, New York, N. Y. PERFUMERY. Class 51.

75,811 FESTINO. Registered Nov. 16, 1909. National Biscuit Company, Jersey City, N. J., and New York, N. Y. Re-renewed Nov. 16, 1949, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. SUGAR WAFERS. Class 46.

76,520. 838. Registered Jan. 25, 1910. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Re-renewed Jan. 25, 1950. STEEL HINGES. Class 13.

76,957. "MARATHON" AND DESIGN. Registered Mar. 1, 1910. Attleboro Chain Company. Re-renewed Mar. 1, 1950, to Marathon Co., Attleboro, Mass., a corporation of Massachusetts. LOCKETS AND BRACELETS. Class 28.

77,144. STANDARD. Registered Mar. 15, 1910. Standard Thermometer Co. Re-renewed Mar. 15, 1950, to Standard Thermometer, Inc., Boston, Mass., a corporation of Massachusetts. THERMOMETERS AND SPEEDOMETERS. Class 26.

77,178. "R & H" AND DESIGN. Registered Mar. 15, 1910. Röhm & Haas, Esslingen-on-the-Neckar, Germany. Re-renewed Mar. 15, 1950, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware. PICKLING AND BAITING SUBSTANCES USED IN TANNING. Class 6.

77,375. "WYANDOTTE" AND REPRESENTATION OF INDIAN. Registered Apr. 5, 1910. The J. B. Ford Company, Ford, Mich. Re-renewed Apr. 5, 1950, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. DRY, SOLUBLE, ALKALI POWDERS FOR CLEANING, CLEANSING, AND WASHING, FOR HOUSEHOLD, FACTORY, AND OTHER PURPOSES. Class 52.

77,858. EYE-MO. Registered May 10, 1910. The Zymole Company. Re-renewed May 10, 1950, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. Remedies FOR DISEASES OF THE EYE. Class 18.

192,316. JEWETTVILLE. Registered Dec. 2, 1924. Jewettville Clay Products Company, Inc., Jewettville, N. Y. Renewed Dec. 2, 1944, to John H. Black Company, Buffalo, N. Y., a corporation of New York. BRICK. Class 12.

252,572 SULPHUR SMOKE. Registered Feb. 12, 1929. Nitrate Agencies Company. Renewed Feb. 12, 1949, to Naco Fertilizer Company, New York, N. Y., a corporation of West Virginia. PREPARATION FOR USE AS AN INSECT EXTERMINATOR. Class 6.

259,581. FERALUM. Registered Aug. 6, 1929. National Aluminate Corporation, Chicago, Ill. Renewed Aug. 6, 1949, to Consolidated Chemical Industries Inc., San Francisco, Calif., a corporation of Delaware. WATER-TREATING, WATER SOFTENING, AND WATER CLARIFYING COMPOUNDS AND COAGULANTS. Class 6.

261,351 MAGNIGRAPH. Registered Sept. 17, 1929. Spaulding-Moss Company, Boston, Mass., a corporation of Massachusetts. Renewed Sept. 17, 1949. CONTACT PRINTS—NAMELY, PRINTS ON BLUE-PRINT, VAN DYKE, AND OZALID PAPERS; ETC. Class 38.

262,786. CINDERELLA. Registered Oct. 22, 1929. The Cinderella Washing Machine Company, Cleveland, Ohio. Renewed Oct. 22, 1949, to Lake State Products, Inc., Jackson, Mich., a corporation of Michigan. CLOTHES-WASHING MACHINES. Class 24.

263,208. UNICLOSED. Registered Nov. 5, 1929. United States Electrical Manufacturing Company. Renewed Nov. 5, 1949, to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California. ELECTRIC MOTORS. Class 21.

263,719. RONDELS. Registered Nov. 12, 1929. Norris Inc., Atlanta, Ga., a corporation of Georgia. Renewed Nov. 12, 1949. CANDY. Class 46.

264,032. RECORD. Registered Nov. 19, 1929. Christian A. Lund, doing business as C. A. Lund Company, Hastings, Minn. Renewed Nov. 19, 1949, to Christian A. Lund, doing business as C. A. Lund Company, St. Paul, Minn. SKIS, TOBOGGANS, SNOWSHOES, SKI POLES, SKI BINDINGS OR HARNESSES, ETC. Class 22.

264,407. "C H CO" AND REPRESENTATION OF CUBE. Registered Nov. 26, 1929. Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York. Renewed Nov. 26, 1949. CERTAIN ELECTRICAL APPARATUSES AND FIXTURES CONSISTING OF CONDUIT OUTLET BOXES, ETC. Class 21.

264,415. MAYFAIR. Registered Nov. 26, 1929. Will & Baumer Candle Co., Inc., Syracuse, N. Y., a corporation of New York. Renewed Nov. 26, 1949. CANDLES. Class 15.

264,419. PHILL-UP WITH PHILLIPS. Registered Nov. 26, 1929. Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Renewed Nov. 26, 1949. GASOLINES. Class 15.

264,687. MILO. Registered Dec. 3, 1929. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Dec. 3, 1949. PLASTIC MODELING MATERIAL. Class 1.

265,165. VELVETA. Registered Dec. 17, 1929. Virginia Dare Extract Company, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Dec. 17, 1949. STABILIZER FOR ICE CREAM, SHERBETS, AND ICES. Class 46.

265,196. "PURETEST" ETC. AND REPRESENTATION OF CARTON LINED FOR WHITE AND BLUE. Registered Dec. 17, 1929. United Drug Company, Boston, Mass. Renewed Dec. 17, 1949, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. COD-LIVER OIL, BONESET, CASTOR OIL, AGAR-AGAR, SKULLCAP, SENNA LEAVES, ETC. Class 18.

265,197. MATT-CREME. Registered Dec. 17, 1929. Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik, Glockengasse No. 4711 gegenüber der pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Dec. 17, 1949. COSMETIC PREPARATIONS, BEAUTIFYING PREPARATIONS ESPECIALLY FOR PRESERVING THE HUMAN SKIN, PERFUMED CREAMS. Class 51.

265,310. PATICOL. Registered Dec. 24, 1929. The Wm. S. Merrell Company. Renewed Dec. 24, 1949, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware. CATHARTIC PREPARATION. Class 18.

265,311. CONTINOL. Registered Dec. 24, 1929. The Wm. S. Merrell Company. Renewed Dec. 24, 1949, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware. PREPARATION FOR REGULATING THE KIDNEYS. Class 18.

266,369. ENDOGLOBIN. Registered Jan. 14, 1930. Intravenous Products Co. of America, Inc., New York, N. Y. Renewed Jan. 14, 1950, to Endo Products Inc., Richmond Hill, N. Y., a corporation of New York. GENERAL TONIC BUILDER INDICATED IN NUTRITIONAL DISTURBANCES, DURING CONVALESCENCE, AND FOR ANEMIA, ETC. Class 18.

266,547. 45. Registered Jan. 28, 1930. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Jan. 28, 1950. COMBINATION WOOD-WORKING PLANES. Class 23.

266,559. "CEROL" AND REPRESENTATION OF CHILD'S HEAD. Registered Jan. 28, 1930. Harold H. Clapp, doing business as H. H. Clapp Sales Co., Rochester, N. Y. Renewed Jan. 28, 1950, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. WHEAT CEREAL ESPECIALLY PREPARED FOR BABIES. Class 46.

267,663. "McDOUGALL-BUTLER" ETC. AND REPRESENTATION OF BUFFALO. Registered Feb. 25, 1930. McDougall-Butler Co., Inc., Buffalo, N. Y., a corporation of New York. Renewed Feb. 25, 1950. DRY, READY-MIXED, AND PASTE PAINTS, VARNISHES, PAINT ENAMELS, ETC. Class 16.

267,695. CHICAGO MARKET NEWS. Registered Feb. 25, 1930. Carson Pirie Scott & Co. Renewed Feb. 25, 1950, to E. H. Patterson Company, Chicago, Ill., a corporation of Illinois. MONTHLY PUBLICATION DEVOTED TO MARKET NEWS AND OTHER INTERESTS. Class 38.

267,974. PLEXOLAN. Registered Mar. 4, 1930. Plexo Preparations, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 4, 1950. COLD CREAMS, CLEANSING CREAMS, REFRESHING CREAMS, ETC. Class 51.

268,172. "GARIN" ETC. AND DESIGN. Registered Mar. 11, 1930. H. P. Garin Co., San Francisco, Calif. Renewed Mar. 11, 1950, to The Garin Company, Salinas, Calif., a corporation of California. FRESH DECIDUOUS FRUITS, FRESH CANTALOUPES, FRESH VEGETABLES. Class 46.

268,468. SYLVAKOON. Registered Mar. 18, 1930. Sanford Mills. Renewed Mar. 18, 1950, to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine. WOOLEN CLOAKING FABRIC. Class 42.

268,704. LOV-KIS. Registered Mar. 18, 1930. Edward A. Welters, Jacksonville, Fla. Renewed Mar. 18, 1950, to Edward A. Welters, Chicago, Ill. PERFUMES AND TOILET WATERS. Class 51.

269,130. DOVERCLIFF. Registered Mar. 25, 1930. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Mar. 25, 1950. CRAYONS. Class 37.

269,135. KINDOGRAPH. Registered Mar. 25, 1930. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Mar. 25, 1950. CRAYONS. Class 37.

269,405. "FEATHER-FLUFF" AND DRAWING. Registered Apr. 8, 1930. J. W. Allen & Co., Chicago, Ill., a corporation of Illinois. Renewed Apr. 8, 1950. CREAMS AND FONDANTS FOR CONFECTIONS, CANDIES, CAKES, ETC., FLOUR MIXTURES FOR DOUGHNUTS, CAKES, ETC. Class 46.

269,454. ROSS. Registered Apr. 8, 1930. The Sydney Ross Co., Newark, N. J., a corporation of New Jersey. Renewed Apr. 8, 1950. DENTIFRICES, TALCUMS, SACCHARIN, QUININE, PHENOLPHTHALEIN, ETC. Class 51.

269,455. "ROSS" AND DESIGN. Registered Apr. 8, 1930. The Sydney Ross Co., Newark, N. J., a corporation of New Jersey. Renewed Apr. 8, 1950. DENTIFRICES, TALCUM POWDERS, SACCHARINE TABLETS, QUININE, ETC. Class 51.

269,664. S. T. 37. Registered Apr. 15, 1930. Sharp & Dohme, Incorporated, Baltimore, Md. Renewed Apr. 15, 1950, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. TOOTH PASTE AND ANTISEPTIC LOZENGES. Class 51.

269,748. "DUR-A-BULL" AND REPRESENTATION OF BULL. Registered Apr. 15, 1930. Central Paint & Roofing Company, Louisville, Ky., a corporation of Kentucky. Renewed Apr. 15, 1950. SMOOTH-SURFACE AND SLATE-SURFACED COMPOSITION ROOFING. Class 12.

269,752. ANUSOL. Registered Apr. 15, 1930. Schering & Glatz, Inc., assignor to Schering & Glatz, Inc. Renewed Apr. 15, 1950, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware. SUPPOSITORIES RECOMMENDED FOR THE TREATMENT OF INFLAMMATORY PROCESSES OF THE RECTUM AND OF THE ADJACENT ORGANS. Class 18.

269,753. MEDINAL. Registered Apr. 15, 1930. Schering & Glatz, Inc., assignor to Schering & Glatz, Inc. Renewed Apr. 15, 1950, to William R Warner & Co., Inc., New York, N. Y., a corporation of Delaware. MONOSODIUM SALT OF DIETHYL-BARBITURIC ACID, SODIUM DIETHYL-BARBITURATE, USED AS A HYPNOTIC OR FOR SIMILAR PURPOSES. Class 18.

269,754. UROTROPIN. Registered Apr. 15, 1930. Schering & Glatz, Inc., assignor to Schering & Glatz, Inc. Renewed Apr. 15, 1950, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware. HEXAMETHYLENETETRAMINE OR HEXAMETHYLENAMINE (U. S. P.), EITHER PURE OR IN ADMIXTURE WITH OTHER SUITABLE SUBSTANCES, RECOMMENDED FOR USE AS A URINARY ANTISEPTIC, ETC. Class 18.

269,948. MAESTRO. Registered Apr. 22, 1930. Automatic Gold Chain Co. Renewed Apr. 22, 1950, to Speidel Corporation, Providence, R. I., a corporation of Rhode Island. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. Class 28.

270,354. PACKAGING CATALOG. Registered May 6, 1930. Breskin & Charlton Publishing Corporation. Renewed May 6, 1950, to Packaging Catalog Corporation, New York, N. Y., a corporation of New York. ANNUAL PUBLICATION. Class 38.

270,466. "ROYAL". Registered May 6, 1930. The Wire and Steel Products Co., Inc., Brooklyn, N. Y., a corporation of New York. Renewed May 6, 1950. BOX-STRAPPING MACHINES AND SPECIAL TOOLS FOR STRETCHING AND SEALING METAL BANDS ON A BOX. Class 23.

270,600. CREPE ONDESE. Registered May 13, 1930. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed May 13, 1950. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Class 42.

270,700. CREPE BARITZA. Registered May 13, 1930. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed May 13, 1950. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Class 42.

TRADE-MARK REGISTRATIONS CANCELED

262,061. RYAN. Registered Sept. 24, 1929. Mahoney-Ryan Aircraft Corporation, Anglum, Mo. AIRPLANES AND STRUCTURAL PARTS THEREOF. Class 19. Canceled Jan. 20, 1950.

338,791. "KAYDON'S ORANGE JULEP" AND DESIGN. Registered Sept. 15, 1938. Donald E. Kastner, Jackson Heights, N. Y. JUICES OF CITROUS FRUITS COMBINED WITH MILK AND EGG PRODUCTS, ETC. Class 46. Canceled Jan. 20, 1950.

394,898. GIFT SUITIFICATE. Registered May 5, 1942. Hart, Schaffner & Marx, Chicago, Ill. BLANK FORMS—NAMELY, GIFT CERTIFICATES SOLD AS SUCH. Class 37. Canceled Jan. 26, 1950.

409,632. SPEEDY PATCH. Registered Oct. 10, 1944. Benjamin James Hardy, New York, N. Y. COMPOSITION IN THE NATURE OF A PASTE FOR REPAIRING AND RESURFACING FLOORS. Class 12. Canceled Jan. 20, 1950.

512,022. BUCKINGHAM. Registered July 5, 1949. The Elimore Silver Company, Inc., Meriden, Conn. FLATWARE AND HOLLOW WARE OF STERLING SILVER. Class 28. Canceled Jan. 20, 1950.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

87,015. PERISTALTINE. Registered June 18, 1912. Society of Chemical Industry in Basle, Basel, Switzerland. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS. Class 6. The drawing is hereby amended to appear as follows:

PERISTALTIN

108,125. GOLD BOND. Registered Jan. 18, 1916. The Cleveland & Sandusky Brewing Company, Cleveland, Ohio. BEER. Class 48. The drawing is hereby amended to appear as follows:

GOLD BOND

119,660. CRYSTAL ROCK. Registered Dec. 11, 1917. The Cleveland & Sandusky Brewing Company, Cleveland, Ohio. BEER. Class 48. The drawing is hereby amended to appear as follows:

Crystal Rock

261,749. "P-Q-A'S DASH" ETC. Registered Sept. 24, 1929. The Piqua Hosiery Co., Piqua, Ohio. BATHING SUITS. Class 39. Corrected as follows: On the page containing the statement, in the endorsement at the top thereof, line 2, for "The Atlas Underware Company" read *The Atlas Underwear Company.*

270,725. "CAVANAGH" AND DESIGN. Registered May 13, 1930. John Cavanagh, Ltd. New York, N. Y. HEADWEAR FOR MEN AND WOMEN—NAMELY, HATS AND CAPS; ETC. Class 39. Amended as follows: In the statement, lines 9 and 10, 'expression "247 Park Avenue, New York,"' is deleted and *word "hats" and the expression "Park Avenue at 47th Street New York"* is inserted in lieu thereof; and the drawing is amended to appear as follows:

Cavanagh

A POSSE ADESSE

Cavanagh Hats
Park Avenue at 47th Street
New York

270,833. CEMENTICO. Registered May 13, 1930. United States Gypsum Company, Chicago, Ill. WALL COATING IN THE NATURE OF PAINT. Class 16. The drawing is hereby amended to appear as follows:

CEMENTICO

348,259. ALLIMIN. Registered July 20, 1937. Van Patten Pharmaceutical Co., Chicago, Ill. MEDICINAL PREPARATION CONTAINING ESSENCE OF GARLIC AND PARSLEY RECOMMENDED FOR THE SYMPTOMATIC RELIEF OF HYPERPIESIA AND IN THE TREATMENT OF ARTERIAL HYPERTENSION. Class 6. Amended as follows: In the statement, lines 8, 9, 10 and 11, "essence of garlic and parsley recommended for the symptomatic relief of hyperpiesia and in the treatment of arterial hypertension" is deleted, and *dehydrated garlic, and parsley as a flavor modifying agent, used as a carminative* is inserted in lieu thereof.

366,575. "CONSOL" AND DESIGN. Registered Apr. 18, 1939. Consolidation Coal Company, New York, N. Y. COAL. Class 1. Corrected as follows: In the certificate, line 4, and in the statement, line 3, "Maryland" should be *Delaware.*

418,332. M. Registered Dec. 18, 1945. M & M Limited, Newark, N. J. CANDY. Class 46. Amended as follows: In the statement, column 2, line 2, after "marketed" *and by imprinting the same directly upon the goods* is inserted; and the drawing is amended to appear as follows:

m

436,788. DOVER GRAIN. Registered Feb. 17, 1948. Eagle-Ottawa Leather Company, Grand Haven, Mich. LEATHER. Class 1. Amended as follows: In the statement, line 7, before "leather" *luggage* is inserted.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

305,920. CHATEAU PAVIE. Registered Aug. 29, 1933. Albert Porte. WINES. Class 47. New certificate under section 7(c) issued Feb. 28, 1950, to Societe a Responsabilite Limitee Etablissements Valette "Valette & Cie," Saint-Ouen (Seine), France.

406,686. TRI-CITY. Registered Apr. 18, 1944. Ernest D. Wofford. FRESH VEGETABLES—NAMELY, CARROTS, ETC. Class 46. New certificate under section 7(c) issued Feb. 28, 1950, to Tri-City Vegetable Growers, San Juan, Tex., a corporation of Texas.

501,842. SPIN-TOP. Registered Aug. 24, 1948. Brooklyn Corset Company, Inc. BRASSIÈRES. Class 39. New certificate under section 7(c) issued Feb. 28, 1950, to Quest-Shon Mark Brassiere Co., Inc., Brooklyn, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 263,897. Registered Nov. 12, 1929. THE NAUGATUCK CHEMICAL COMPANY, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

LOTOL

FOR LATEX COMPOSITIONS.
Claims use since Jan. 25, 1926.

CLASS 5

ADHESIVES

Reg. No. 264,339. Registered Nov. 26, 1929. THE NAUGATUCK CHEMICAL COMPANY, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

LOTOL

FOR ADHESIVES CONTAINING RUBBER OR RUBBER COMPOSITION DISPERSED IN AN AQUEOUS MEDIUM.
Claims use since Jan. 25, 1926.

Reg. No. 265,298. Registered Dec. 24, 1929. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.



FOR RUBBER CEMENTS AND RUBBER GUMS.
Claims use since on or about June 1, 1929.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 401,051. Registered Apr. 20, 1943. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

RainKing

FOR LAWN SPRINKLERS, HOSE NOZZLES, HOSE COUPLINGS, AND QUICK COUPLING VALVES.
Claims use since 1922.

Reg. No. 432,058. Registered Aug. 19, 1947. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name to Sunbeam Corporation. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

Sunbeam

FOR LAWN SPRINKLERS.
Claims use since Aug. 30, 1945.

CLASS 15

OILS AND GREASES

Reg. No. 248,772. Registered Oct. 30, 1928. H. F. WILCOX OIL & GAS COMPANY, Tulsa, Okla. Republished by Wilcox Oil Company, Tulsa, Okla., a corporation of Delaware.

H. F. WILCOX OIL & GAS COMPANY WILCO TULSA, OKLA.

The words "Tulsa, Okla." are disclaimed apart from the mark as shown.
FOR GASOLINE, CRUDE OIL, ILLUMINATING OIL, FUEL OIL, AND LUBRICATING OIL.
Claims use since Feb. 22, 1924.

Reg. No. 264,408. Registered Nov. 26, 1929. THE PENNZOIL COMPANY, Los Angeles, Calif., and Oil City, Pa., a corporation of California. Republished by registrant, present address Los Angeles, Calif.

PENNZOIL

FOR FUEL OILS.
Claims use since on or about Dec. 28, 1915.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 268,631. Registered Mar. 18, 1930. COMPANIA TABACALERA NACIONAL, S. A., Habana, Cuba. Republished by Por Larranaga, Fabrica De Tabacos, S. A., Habana, Cuba, a corporation organized under the laws of the Republic of Cuba.

LA REINA DE CUBA

FOR CIGARS.
Claims use since July 1927.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 280,599. Registered Feb. 24, 1931. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

TOASTWITCH

FOR ELECTRIC TOASTERS.
Claims use since Sept. 1, 1930.

Reg. No. 280,600. Registered Feb. 24, 1931. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

WAFFLEWITCH

FOR ELECTRIC WAFFLE IRONS.
Claims use since Sept. 1, 1930.

Reg. No. 281,291. Registered Mar. 17, 1931. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

MIXMASTER

FOR ELECTRIC FOOD MIXERS.
Claims use since Sept. 1, 1930.

Reg. No. 291,281. Registered Feb. 9, 1932. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

SMOKEMASTER

FOR COMBINED ELECTRIC CIGARETTE LIGHTERS AND DISPENSERS.
Claims use since June 1, 1931.

Reg. No. 297,079. Registered Aug. 30, 1932. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

IRONMASTER

FOR ELECTRIC SADIRONS.
Claims use since Mar. 4, 1932.

Reg. No. 328,171. Registered Sept. 17, 1935. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

COFFEEMASTER

FOR ELECTRICAL COFFEE MAKERS AND PARTS THEREOF.
Claims use since January 1933.

Reg. No. 367,025. Registered May 9, 1939. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

Drillmaster

FOR HAND OPERATED ELECTRICALLY DRIVEN DRILLS.
Claims use since January 1935.

Reg. No. 378,428. Registered June 11, 1940. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

Mix-Finder

FOR ELECTRICAL FOOD AND BEVERAGE MIXERS.
Claims use since June 1939.

Reg. No. 402,855. Registered Aug. 17, 1943. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

STEWART

FOR ELECTRIC FURNACES.
Claims use since May 1940.

Reg. No. 441,675. Registered Dec. 28, 1948. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name Sunbeam Corporation. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

Sunbeam

FOR BUFFET SERVICE SETS CONSISTING OF ELECTRICAL APPLIANCES—NAMELY, TOASTERS, COFFEE MAKERS, AND ANCILLARY EQUIPMENT CONSISTING OF DISHES, AND A TRAY THEREFOR.
Claims use since September 1935.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 263,496. Registered Nov. 5, 1929. KENT-MOORE ORGANIZATION, Detroit, Mich. Republished by Kent-Moore Organization, Inc., Detroit, Mich., a corporation of Michigan.

KENT-MOORE

The drawing is lined for red.
FOR SETS OF MOTOR-CAR-REPAIR TOOLS, COMPRISING A PULLEY, SLEEVE, WHEEL, BEARING, BUSHING, HOUSING GEAR, AND UNIVERSAL JOINT PULLERS; BENDING AND TRUING IRONS, BUSHING PRESSES AND DRIVERS, FITTING ARBORS, SPRING COMPRESSORS, TOOLS FOR DETERMINING DEPTH OF OIL TROUGH, CAM-LEVER REMOVERS, AND ADJUSTERS FOR FAN AND STEERING GEAR.
Claims use since October 1922.

Reg. No. 283,524. Registered June 2, 1931. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

CLIPMASTER

FOR ELECTRIC CLIPPERS AND ANIMAL SHEARS.
Claims use since Jan. 1, 1931.

Reg. No. 297,388. Registered Sept. 13, 1932. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

SHEARMASTER

FOR ELECTRIC ANIMAL SHEARS AND PARTS THEREFOR.
Claims use since Oct. 1, 1931.

Reg. No. 320,296. Registered Dec. 25, 1934. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

KITCHMASTER

FOR KITCHEN UTENSILS—NAMELY, A COMBINED SLICER, SHREDDER, AND DICER.
Claims use since Feb. 1, 1934.

Reg. No. 327,314. Registered Aug. 20, 1935. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

MIXMASTER

FOR FOOD MIXERS, FRUIT JUICE EXTRACTORS, MAYONNAISE MAKERS, DRINK MIXERS, MEAT GRINDERS AND FOOD CHOPPERS, FOOD SLICERS AND SHREDDERS, ICE CRUSHERS, POTATO PEELERS, CAN OPENERS, MECHANICALLY OPERATED COLANDERS, COFFEE GRINDERS, PEA SHELLERS, AND ATTACHMENTS FOR OPERATING ICE CREAM FREEZERS.
Claims use since approximately September 1930.

Reg. No. 349,927. Registered Sept. 14, 1937. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

SPRAYMASTER

FOR LIQUID SPRAYERS FOR MOISTENING LAUNDRY, FOR CLEANING WINDOWS, FOR STERILIZATION AND DISINFECTION, AND FOR HORTICULTURAL PURPOSES.
Claims use since June 1936.

Reg. No. 401,162. Registered Apr. 27, 1943. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

STEWART

FOR—GROUP A: ANIMAL SHEARING MACHINES, ANIMAL CLIPPING MACHINES, HAND-PIECES FOR SHEARING AND CLIPPING MACHINES, COMBS AND CUTTERS FOR SHEARING AND CLIPPING MACHINES, FLEXIBLE SHAFTS; GROUP B: CLIPPERS FOR HUMAN HAIR; GROUP C: DOUBLE END GRINDERS, LINE SHAFT OUTFITS; GROUP D: BELT DRIVEN GEARS FOR SHEARING MACHINES; GROUP E: POSITIVE DRIVE GEARS FOR SHEARING MACHINES, HORIZONTAL DISC GRINDERS.
Claims use since 1893.

Reg. No. 402,360. Registered July 13, 1943. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

STEWART

FOR OIL PUMPS.
Claims use since 1921.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 442,875. Registered June 14, 1949. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name, Sunbeam Corporation. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

Sunbeam

FOR REPLACEABLE FILTER ELEMENTS FOR COFFEEMAKERS OF CLOTH AND OTHER POROUS MATERIAL.
Claims use since January 1933.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 402,174. Registered July 6, 1943. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

STEWART

FOR HEAT TREATING FURNACES, HARDENING AND TEMPERING FURNACES, AND OVEN FURNACES (Group 1); CASE HARDENING FURNACES (Group 2); MUFFLE FURNACES (Group 3); COMBINATION FURNACES, CRUCIBLE FURNACES, FORGES, AND PRESSURE BLOWERS (Group 4); RIVET HEATERS (Group 5); BRAZING FURNACES, DIP BRAZING FURNACES, SOLDERING FURNACES, AND RIVET FURNACES (Group 6); CARBURIZING FURNACES, HIGH SPEED STEEL FURNACES, AND WELDING FURNACES (Group 7); SOLDERING IRON HEATERS, POTS FOR LIQUID BATH HEAT TREATING FURNACES, METAL MELTING FURNACES, ANNEALING FURNACES, CYANIDE POT FURNACES, SOFT METAL MELTING FURNACES, AND OIL BURNERS (Group 8); SPECIAL METAL PROCESSING FURNACES, AND LEAD POT FURNACES (Group 9); ALUMINUM MELTING FURNACES (Group 10); DIE CASTING FURNACES (Group 11); AUTOMATIC FORGE FURNACES (Group 12); TINNING FURNACES (Group 13); GALVANIZING FURNACES (Group 14); MOTOR DRIVEN BLOWER UNITS AND TILTING METAL MELTING FURNACES (Group 15); CREMATING FURNACES (Group 16); ENAMELLING FURNACES (Group 17); PICKLING FURNACES, AND OXIDIZING FURNACES (Group 18); FRITTING FURNACES, ROTARY TYPE FURNACES, AND CAR TYPE FURNACES (Group 19); DRYING OVENS (Group 20); SHRINKING FURNACES (Group 21); LIQUID FUEL GASIFIERS, AND GLASS BENDING FURNACES (Group 22); RECIRCULATING FURNACES (Group 23); ALUMINUM AND ALUMINUM ALLOY HEAT TREATING FURNACES, GLASS MELTING FURNACES, AND PROPORTIONAL GAS INJECTORS (Group 24); CONVEYOR TYPE FURNACES, AND TUBE ANNEALING FURNACES (Group 25); RECIPROCATING HEARTH FURNACES, PUSHER TYPE FURNACES, ATMOSPHERIC CONTROL ANNEALING FURNACES; AND PROPORTIONAL GAS MIXERS (Group 26); ROTARY HEARTH FURNACES (Group 27); ATMOSPHERIC CONTROL FURNACES, ATMOSPHERIC CONTROL BRAZING FURNACES, RECUPERATORS FOR HEAT INTERCHANGE, ALUMINUM BRAZING FURNACES, SHELL NOSING FURNACES (Group 28); AND MAGNESIUM AND MAGNESIUM ALLOY HEAT TREATING FURNACES (Group 29).
Claims use since 1898.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 75,707. Registered Nov. 2, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.



FOR HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1903.

Reg. No. 76,258. Registered Dec. 28, 1909. PEERLESS RUBBER MANUFACTURING COMPANY, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.



FOR RUBBER HOSE.
Claims use since September 1891.

Reg. No. 264,829. Registered Dec. 10, 1929. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

AIRFLIGHT

FOR PNEUMATIC-TIRE CASINGS MADE WHOLLY OR PARTLY OF RUBBER.
Claims use since Aug. 10, 1929.

Reg. No. 264,951. Registered Dec. 10, 1929. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.



FOR PNEUMATIC TIRES AND TUBES, TIRE FLAPS, FAN BELTS, RADIATOR HOSE, AND TIRE-REPAIR PLUGS, ALL MADE WHOLLY OR PARTLY OF RUBBER, AND TIRE COVERS MADE OF WATERPROOFED FABRIC.
Claims use since on or about May 16, 1929.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 202,007. Registered Aug. 11, 1925. THE CLEVELAND COMPANY, Cleveland, Ohio. Republished by The Forest City Publishing Company, Cleveland, Ohio, a corporation of Ohio.

Cleveland News

FOR NEWSPAPERS.
Claims use since on or about January 1906.

Reg. No. 253,386. Registered Feb. 26, 1929. BARBER-HALL PRINTING COMPANY, High Point, N. C. Republished by Southern Furniture, Inc., High Point, N. C., a corporation of North Carolina.

Furniture South

FOR MONTHLY MAGAZINE.
Claims use since on or about Feb. 1, 1928.

Reg. No. 401,235. Registered May 4, 1943. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Republished by Sunbeam Corporation, Chicago, Ill., a corporation of Illinois.

METAL *Minutes*

The word "Metal" is disclaimed apart from the mark as shown.

FOR PERIODICAL PUBLICATION DEVOTED TO THE INDUSTRIAL FURNACE TRADE AND CONTAINING NOTES, COMMENTS, AND NEWS RELATING TO THE PROCESSING OF METALS.

Claims use since Feb. 16, 1942.

CLASS 39

CLOTHING

Reg. No. 263,101. Registered Oct. 29, 1929. THE BEACON FALLS RUBBER SHOE COMPANY, Beacon Falls, Conn. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

GRIPS

FOR SHOES MADE OF CANVAS AND RUBBER.

Claims use since May 31, 1928.

Reg. No. 264,383. Registered Nov. 26, 1929. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.

Tip Toes

FOR FOOTHOLDS MADE OF RUBBER OR RUBBER AND FABRIC.

Claims use since July 7, 1928.

Reg. No. 267,670. Registered Feb. 25, 1930. THE UNITOG MANUFACTURING COMPANY, Kansas City, Mo. Republished by Unitog Company, Kansas City, Mo., a corporation of Missouri.

Unitog

FOR WORK AND PLAY CLOTHING—NAMELY, OVERALLS, PANTS, SERVICE SUITS, AND PLAY SUITS.

Claims use since July 1, 1928.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 268,465. Registered Mar. 18, 1930. INTERSTATE DEPARTMENT STORES, INC., New York, N. Y. Republished by Plymouth Wholesale Dry Goods Corporation, New York, N. Y., a corporation of New York.

LULLABY

FOR BED SHEETS, PILLOW CASES, SHEETINGS, AND MUSLINS IN THE PIECE, BOTH BLEACHED AND BROWN.

Claims use since Aug. 1, 1929.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 255,525. Registered Apr. 23, 1929. GENERAL FISHERIES CORPORATION, San Pedro, Calif. Republished by Terminal Island Sea Foods, Ltd., Terminal Island, Calif., a corporation of California.

Salomar

FOR CANNED FISH.

Claims use since Nov. 30, 1928.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 260,673. Registered Aug. 27, 1929. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla., a business trust of Oklahoma. Republished by registrant.

Nu-ART

FOR BRONZE HOUSE NUMBERS.

Claims use since Jan. 1, 1929.

Reg. No. 267,854. Registered Mar. 4, 1930. WILLIAMS SEALING CORPORATION, Decatur, Ill. Republished by Crown Cork Specialty Corporation, Decatur, Ill., a corporation of Illinois.

KORK-N-SEAL

THE CAP WITH THE LITTLE LEVER

The words "The Cap with the Little Lever" is disclaimed apart from the mark as shown.

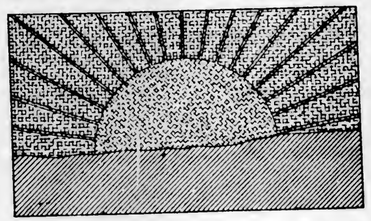
FOR BOTTLE CAPS.

Claims use since about Oct. 25, 1926.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 269,075. Registered Mar. 25, 1930. MARK W. ALLEN & Co., Detroit, Mich. Republished by Mark Allen Co., Detroit, Mich., a corporation of Michigan.



The drawing is lined for purple, orange and yellow.

FOR SHAVING CREAM.

Claims use since May 6, 1927.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 264,326. Registered Nov. 26, 1929. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Republished by registrant.

"HIPPO"

FOR SOAP, SOAP POWDER, AND WASHING POWDERS.

Claims use since February 1909.

REISSUES

FEBRUARY 28, 1950

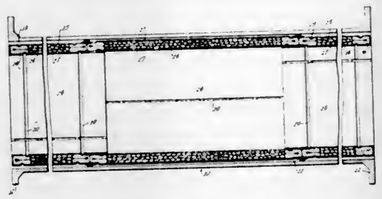
23,199

INSULATION LINING FOR CONDUITS

Albert L. Baker, Summit, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Original No. 2,369,204, dated February 13, 1945, Serial No. 440,922, April 29, 1942, which is a division of Serial No. 333,093, May 3, 1940. Application for reissue January 24, 1946, Serial No. 643,007

10 Claims. (Cl. 138—64)



1. A tubular insulating member, said member including unconnected concentrically disposed inner and outer metal jackets, said jackets being spaced from each other to provide an annular open ended chamber, said jackets having openings therein for communication with said annular chamber, and porous insulating material disposed in said chamber to provide a heat barrier between said jackets of substantially uniform heat conductivity said porous material serving as the sole means for maintaining said jackets in their spaced relation, the insulating material at the ends of said chamber being felt-like and movable as a unit, each of said jackets being corrugated adjacent their ends, said corrugations being disposed in spaced planes transverse to the longitudinal axis of said member, said corrugations serving to maintain said felt-like insulating material in position.

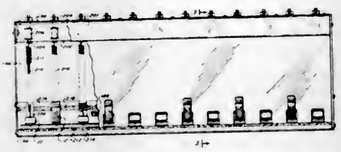
23,200

ELECTRICAL MUSICAL INSTRUMENT

Laurens Hammond, Chicago, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Original No. 2,480,131, dated August 30, 1949, Serial No. 511,795, November 26, 1943. Application for reissue September 28, 1949, Serial No. 118,221

17 Claims. (Cl. 84—1.14)



11. In an electrical musical instrument, the combination of a coil spring, a manually operable key to produce a single shock-excitation of said spring by a blow at one end of the spring directed longitudinally of the spring to produce [to] *a* compressional wave therein and means for electrically sensing the waves produced in said spring by such shock excitation.

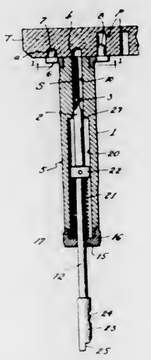
23,201

SCREW DRIVER

Manley R. Price, Lakewood, Ohio

Original No. 2,235,235, dated March 18, 1941, Serial No. 250,599, January 12, 1939. Application for reissue October 10, 1949, Serial No. 120,581

5 Claims. (Cl. 145—50)



3. A device for driving a screw-headed fastener into one of a number of prearranged spaced sockets in the work, said device comprising a body adapted to be grasped by and supported in one hand of an operator, said body having a tool slidably and rotatably arranged in it, the body having a cylindrical bore adapted to receive an elongated and headed screw fastener substantially entirely therewithin and to guide the head into cooperative driving and turning engagement with one end of the tool, and short pins on the body parallel to the tool axis and diminishing in cross section toward their extremities, said pins being arranged for selective engagement with a plurality of said sockets in the work in a manner to align the tool with the bore and fastener therein with another one of such sockets, and cooperating relatively rotatable shoulders on the body and tool coacting to arrest the axial driving movement of the tool while continued turning advances the screw fastener out of driving engagement with the tool, said bore being of a diameter substantially the same as that of the sockets engaged by the pins.

PLANT PATENTS

GRANTED FEBRUARY 28, 1950

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

925
FUCHSIA PLANT
Victor Reiter, Jr., San Francisco, Calif.
Application November 19, 1948, Serial No. 61,070
1 Claim. (Cl. 47—60)

The new variety of white fuchsia plant herein described and illustrated, characterized by its vigorous and floriferous growth, its heat tolerance, its deep green foliage, its firm wood, and the whiteness of its flowers.

PATENTS

GRANTED FEBRUARY 28, 1950

2,498,628
LUBRICANTS AND EXTREME PRESSURE ADDITIVES THEREFOR
Elmer B. Cyphers, Cranford, N. J., and Louis J. Osborne, Jr., Brooklyn, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 8, 1946, Serial No. 708,794
5 Claims. (Cl. 252—46.6)

1. An extreme pressure lubricant consisting essentially of about 80 to 99% of mineral base lubricating oil and 1 to 20% of an extreme pressure additive, said additive consisting of about 100 parts by weight of a sulfurized and phosphorized fatty material and about 4 parts of a composition selected from the group consisting of tricresyl phosphite and tricresyl phosphate, said sulfurized and phosphorized fatty material being prepared by first adding about 3 to 12% by weight of sulfur to said fatty material and heating the mixture to a temperature of about 330° to 400° F. for a sufficient time substantially to complete the reaction and thereafter reacting said sulfurized material with about 0.4 to 0.5% of P_4S_3 at a temperature of about 210° to 230° F. for about 5 to 8 hours.

2,498,629
CONCENTRATED SULFURIC ACID PROCESSES
Charles W. MacKinnon, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 10, 1947, Serial No. 779,223
2 Claims. (Cl. 196—40)

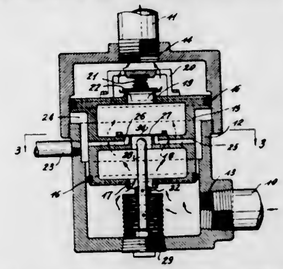
1. In a process for refining petroleum utilizing sulfuric acid of about 98% concentration and conducted at temperatures below about 0° C., the improvement which comprises carrying out the said petroleum process with a composition of about 98% sulfuric acid to which has been added from 1% to 2%, by weight of hydrogen fluoride.

2,498,630
STABILIZATION OF ORGANIC COMPOUNDS
Ralph B. Thompson, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 27, 1945, Serial No. 625,100
2 Claims. (Cl. 44—74)

1. Gasoline containing a minor amount of an oxidation inhibitor prepared by the reductive alkylation of p-phenylene diamine with a mixture of methyl-ethyl-ketone and acetone in which the acetone is in smaller molecular proportion than the methyl-ethyl-ketone.

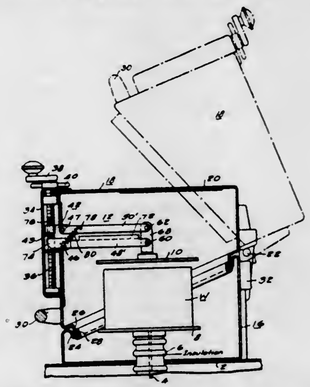
2,498,631
BACKFLOW PREVENTION VALVE
Brodie E. Ahlport, Los Angeles, Calif.
Application October 9, 1945. Serial No. 621,228
18 Claims. (Cl. 137—144)

1. A valve of the class described comprising a housing having an inlet and an outlet, means movable in the housing between the inlet and outlet subjected to the pressures therein so as to be movable thereby, said means providing for flow therethrough from the inlet to the outlet, check valve means on the movable means for preventing reverse flow therethrough from



the outlet, means for closing said means against flow therethrough from the inlet when said means is moved by outlet pressure toward the inlet, and means for opening the interior of said means to the exterior of the housing when said means is moved toward the inlet.

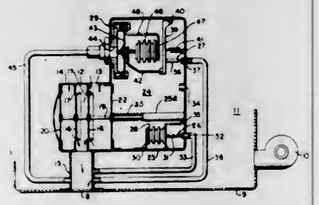
2,498,632
MANUAL AND SELF-ADJUSTING HEATING-ELECTRODE STRUCTURE FOR DIELECTRIC HEATING
William H. Anderson, Elkridge, and Dean S. Shingler, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1948, Serial No. 23,794
31 Claims. (Cl. 219—47)



1. A dielectric heating unit of a type described comprising, in combination, a cage having a relatively stationary member and a raisable member, a pair of relatively insulated heating-electrodes in said cage, a first of said heating-electrodes being above the second of said heating-electrodes, and a pantographic linkage in said cage having horizontal links tiltable up and

down, said horizontal links being connected by end members, said linkage having an end secured to said first heating-electrode and its other end carried by said raisable cage-member.

2,498,633
DIFFERENTIAL AND RATIO CONTROL
Robert A. Arthur, Santa Monica, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application March 2, 1946, Serial No. 651,605
18 Claims. (Cl. 98—1.5)



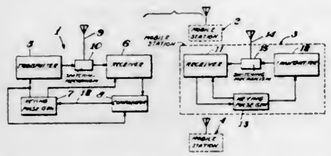
1. Mechanism for regulating the pressure in an aircraft cabin, comprising: a valve for controlling the flow of cabin air in a manner to control the pressure in the cabin; a servomotor for operating the valve, said servomotor including a pressure responsive element connected to the valve and means cooperating with one side of said pressure responsive element to define a chamber in which a control pressure C is maintained; and means for controlling the pressure in said control chamber, comprising a pilot valve for bleeding off excess pressure from said control chamber and control means for said pilot valve including a pressure responsive member subjected on one side to substantially atmospheric pressure A effective against an area D and subjected on its other side to control chamber pressure effective against a smaller area D—B, means exerting a constant force K against said pressure responsive member in opposition to the pressure of atmosphere thereagainst, and means for transmitting the forces resulting from said several pressures and said constant force to said pilot valve in a manner to maintain a ratio between cabin and atmospheric pressures substantially in accordance with the equation

$$\frac{C-K}{A-K}=\frac{D}{D-B}$$

2,498,634
NICOTINIC ACID ANHYDRIDE
Charles O. Badgett, Glenside, and Charles F. Woodward, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application September 10, 1946, Serial No. 696,025
4 Claims. (Cl. 260—295.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

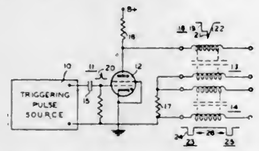
1. A process comprising preparing a composition by heating under conditions of reflux nicotinyl chloride hydrochloride for from about 1 to 4 hours at a temperature about from 150° to 210° C. with nitrobenzene, and reacting the resulting composition with a metal salt of nicotinic acid to form nicotinic acid anhydride.

2,498,635
DUPLEX RADIO SYSTEM
Robert S. Bailey, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 21, 1947, Serial No. 749,512
7 Claims. (Cl. 250—9)



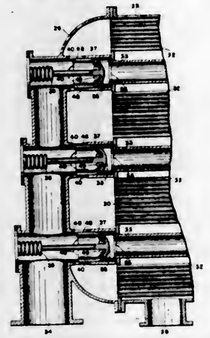
1. A single channel signalling system for two-way communication between stations having a non-constant distance therebetween, comprising a transmitter and a receiver at each of the corresponding stations, means at one station for controlling the division of the operating cycle as between the respective transmitter and receiver, means at the other of said corresponding stations responsive to energy from said one station for controlling the division of the operating cycle of the respective transmitter and receiver in accordance with a given ratio, and means at said one station responsive to a relationship of energy received from said other station and energy from said operating cycle controlling means of said one station for adjusting one half of the operating cycle to at least an odd integral multiple of the propagation time between the said corresponding stations.

2,498,636
ELECTRONIC MULTIPLE PULSE GENERATOR
Dewey M. Bassett and George A. Langston, Dayton, Ohio
Application November 8, 1945, Serial No. 627,516
3 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A circuit for producing in response to a triggering pulse paired pulses adjustable in spacing comprising a first pulse forming arrangement including a grid controlled, gas filled, discharge device, a plate voltage source for said device, a voltage dropping resistor in series with said source and said device, a load impedance for said device, an open reflecting delay line connected to the output of said discharge device, means for applying a triggering pulse to the control grid of said device to fire same whereby a first pulse is established across said impedance, means responsive to said first pulse for producing a square wave adjustable in width, means for differentiating said square wave to obtain therefrom a trailing edge pip, a second pulse forming arrangement identical with said first arrangement and responsive to said trailing edge pip for developing a second pulse whose spacing from said first pulse is substantially determined by the width of said square wave.

2,498,637
ENGINE COOLING APPARATUS
Thomas J. Bay, United States Navy
Original application October 31, 1945, Serial No. 625,928. Divided and this application September 22, 1947, Serial No. 775,512
2 Claims. (Cl. 257—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



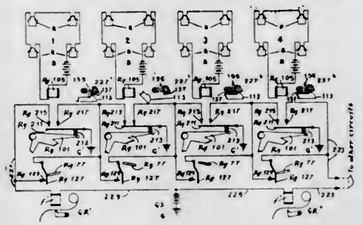
1. In a heat exchanger for liquid cooling apparatus, a chamber, inlet and outlet headers within said chamber, heat exchange tubes secured to and between the headers, a plurality of by-pass tubes positioned between the headers, tubular valve housings having ports therein secured within the inlet header to the inlet end of each of said by-pass tubes, a valve in each inlet housing operative to open and close said housing ports and the connected by-pass tube in succession, heat responsive means for holding each of said valves in position to close said housing ports and open said connected by-pass tubes when unheated but operative when heated to actuate said valves to open said ports and close said by-pass tubes and an inlet pipe connected in series to each of said inlet housing and heat responsive means whereby said valves are actuated in succession on change of temperature in liquid supplied to the inlet end of said inlet pipe.

2,498,638
CORK COMPOSITIONS
John W. Baymiller, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application May 13, 1947, Serial No. 747,835
10 Claims. (Cl. 260—8)

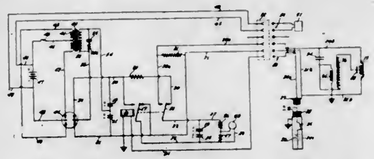
1. A cork composition comprising a binder of the group consisting of resinous binders and proteinaceous binders, and a paraffin solution containing about 5% to 20% by weight of a rubber-like copolymer of an open chain aliphatic conjugated diolefin and alpha-methyl-para-methylstyrene.

2,498,639
SIGNAL MANIFESTING AND/OR REPEATING EQUIPMENT COMMON TO A GROUP OF CODE SIGNAL ORIGINATING CIRCUITS
Clarence E. Beach, Binghamton, N. Y.
Application December 4, 1946, Serial No. 714,090
28 Claims. (Cl. 177—354)

1. In combination: recording means comprising mechanisms suited for response to formulations of code signaling impulses in respectively associated ones of a group of originating circuits; sets of repeating contacts respectively associated for actuation by said mechanisms; means for effecting concurrent manifestations of two code signals, said second named means comprising electromagnets for governing respective ones of such manifestations; conductors providing current paths associating contacts of said sets in a certain order with an end of the winding of one of said magnets and in reverse order with an end of the winding of the other of said magnets for governing the continuity of such paths; and conditioning contacts rendered effective incident to functional activity of any of said mechanisms for establishing a connection between a contact of the set associated with such active mechanism and the remaining terminals of said magnets.



2,498,640
PHOTOGRAPHIC FLASH LIGHTING APPARATUS
Robert C. Beck, Los Angeles, Calif.
Application August 7, 1948, Serial No. 43,019
8 Claims. (Cl. 320—1)

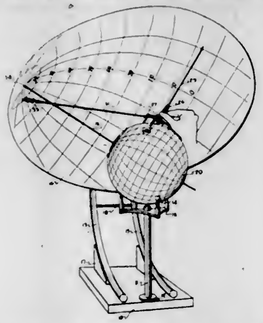


1. Photo flash apparatus as described comprising in combination: a first pair of series connected condensers; a second pair of series connected condensers; a discharge circuit; relay means for selectively connecting said pairs of condensers in parallel for charging, or connecting said condensers in series for discharge into said discharge circuit; and means for separately charging the individual condensers of said first pair, said last means including a source of alternating current and a half-wave rectifier for each of the condensers of said first pair, said source of alternating current including a battery, a transformer and a vibrator for the primary circuit of said transformer.

2,498,641
ASTRONOMICAL DEVICE
George Malcolm Beckwith, United States Navy
Application May 1, 1946, Serial No. 666,224
8 Claims. (Cl. 35—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

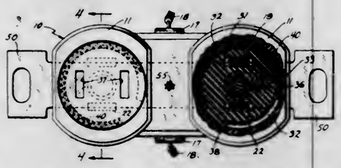
8. A device for training in astronomy comprising a platform, a representation of a sector of

the celestial sphere secured to and offset from said platform, a simulated terrestrial sphere secured rotatably and detachably to the celestial pole of said celestial sphere and resting on said platform so as to be disposed in space concentric with the sector of said celestial sphere, an unattached tripod adapted to ride on the surface of said terrestrial sphere, said tripod carrying a



pointer extending to close proximity with said celestial sphere and said terrestrial sphere, said pointer defining both a radius of said celestial sphere and an extension of a radius of said terrestrial sphere, and a second pointer offset 90° plus a parallax factor from said first pointer, said second pointer being rotatable and being adapted to mark a horizon on said celestial sphere.

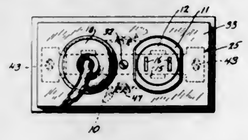
2,498,642
ELECTRICAL RECEPTACLE
Frank G. Bellek, Chicago, Ill., assignor, by direct and mesne assignments, to Bell Electric Company, Chicago, Ill., a corporation of Illinois
Application February 6, 1946, Serial No. 645,883
6 Claims. (Cl. 173—330)



4. An electrical receptacle comprising a body of insulating material having a circular recess in the front thereof and prong receiving openings in the bottom of said recess, a guard journalled on said body and having a front portion filling said recess, said recess having a peripheral groove therein, and said guard having a stop receivable in said recess, the arcuate length of the groove being approximately equal to 270° plus the arcuate length of the stop, and spring means disposed in said groove urging said stop to one limit of its movement in said recess.

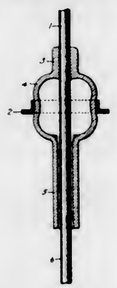
2,498,643
ELECTRICAL RECEPTACLE
Frank G. Bellek, Chicago, Ill., assignor, by direct and mesne assignments, to Bell Electric Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1946, Serial No. 657,415
6 Claims. (Cl. 173—330)

1. In a receptacle, a base provided with integral wall structures joined at their ends to define two recesses extending the length of the base, said base having prong receiving openings opening into the two recesses adjacent the separating walls, spring contacts mounted in said recesses extending from one end of a recess to the other end, each spring contact comprising a metal strip having a threaded opening near its middle exposed outside the recess between two wall ends, said strip being symmetrically formed on opposite ends to have upset edges forming an incline and the ends of the strip being reversely bent to dispose the inclines over said openings with the in-



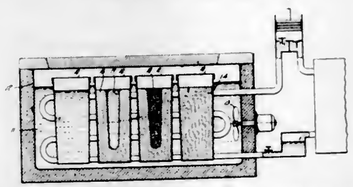
clines between the openings and the remainder of the strip, said strip being formed adjacent its middle to rest against said wall ends to flex at these points under displacement by plug prongs received through said openings which displacement moves the overlapping portions of the reversely bent ends away from said separating walls, and means upon said body for holding said spring contacts in position against said wall ends the spring contacts being unsupported and free to flex throughout the overlapping portions.

2,498,644
METHOD OF MANUFACTURING A METAL TO GLASS SEAL
William Alfred Billings, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 2, 1946, Serial No. 687,929
In Great Britain June 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 15, 1965
8 Claims. (Cl. 49—81)



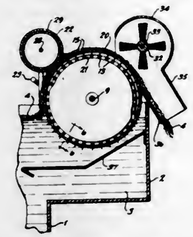
1. Method of manufacturing a metal to glass seal for sealing a conductor through an apertured wall of a metal container comprising the steps of providing a ring of metal having an aperture whose diameter is substantially greater than that of said conductor, sealing said conductor to a surrounding glass tube having a diameter substantially less than the diameter of said aperture over a part only of the length of said tube, blowing from said tube a substantially spherical bulb with a diameter approximately equal to that of said aperture, and sealing said bulb to said ring of metal.

2,498,645
METHOD OF MAKING ICE
Frederick J. Bobby, Berkeley, Calif., assignor to The Union Ice Company, San Francisco, Calif., a corporation of California
Application May 24, 1948, Serial No. 28,777
5 Claims. (Cl. 62—105)



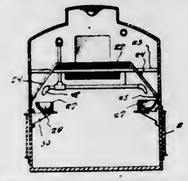
4. In an improved method of making ice in which water to be frozen is placed in a can which is immersed in brine and a layer of ice is formed on the inner walls of said can, the improvement consisting in the steps of withdrawing unfrozen water from within said layer of ice before a homogeneous cake of ice is formed and replacing the same with a mixture of ice and water and retaining said can and mixture in said brine until a homogeneous cake of ice is formed.

2,498,646
FIBER PICKUP DRUM AND SQUEEZE ROLL
Edward H. Brooks, Sr., Portland, Maine, assignor of one-half to Edward H. Brooks, Jr., Portland, and one-half to Elton H. Thompson, Cape Elizabeth, Maine
Application September 11, 1946, Serial No. 696,294
3 Claims. (Cl. 68—22)



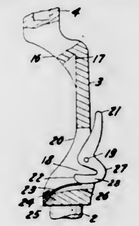
1. In combination with a fibre scouring and washing tank having a washing fluid therein, means for picking up the washed fibre from said tank including a rotatable shaft mounted transversely of said tank, circular end members secured to the opposite ends of said shaft formed with spaced bearing notches about their peripheral edges, a pair of channeled cylindrical camming guide races of U-shape in cross section secured to the opposite inner side walls of said tank, a plurality of transversely extending bars disposed in the spaced bearing notches in said circular end members formed with round bearing heads on their opposite ends receivable in the channels in said cylindrical camming guide races, outwardly extending rows of stock pickup pins supported by said bars, a perforated cylindrical drum supported upon said circular end members with said pins extending through the perforations in said drum forming the driving means therefor, a rotatable ejector roll mounted transversely of and adjacent said drum, and said bars being radially retractable by said camming guide races as they approach the position of the ejector roll to withdraw the pins flush with the surface of the drum as the stock is brushed from the surface of the drum by said ejector roll.

2,498,647
STOCKCAR
Leonard G. Burnam, Mansfield, Ill.
Application February 20, 1945, Serial No. 578,824
2 Claims. (Cl. 119—10)



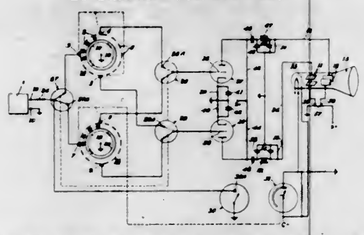
1. In a cattle car including a pair of spaced parallel side walls, a watering device operatively connected to one of said side walls, said device comprising a pair of spaced parallel brackets projecting from said side wall and fixedly secured thereto, each of said brackets being provided with an inclined slot extending from its projecting end for a portion of its length, a horizontally-disposed rotatable shaft supported by said pair of brackets and positioned to move transversely in said slots, an open-top trough adapted to contain water carried by said shaft, and means operatively connected to said shaft for rotating the latter to thereby swing the open top of said trough into and out of engaging relation with said side wall.

2,498,648
FISHLINE REEL POLE MOUNTING
Earl W. Christen, Toledo, Ohio
Application February 16, 1946, Serial No. 648,134
1 Claim. (Cl. 43—22)



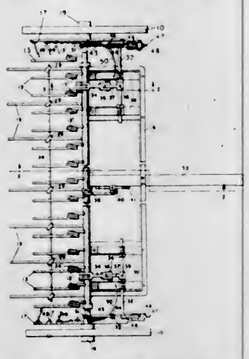
In a fishpole having a grip and a pole section: an intermediate frame portion offset from the axial line between the pole section and the grip to provide an open side having a pocket at one end and an opening at the other end, said pocket being rigid with the frame portion, a member pivotally mounted in said opening and providing a movable recess, said member being movable to and from a position for locking engagement with one end of a base plate of a reel when the other end of the base plate is engaged in said pocket, and a leaf spring mounted wholly within said opening and fixed at one end to the frame portion and bearing against said pivotally mounted member, and being adapted to ride against said pivotally mounted member, permitting said pivotally mounted member to be shifted to and from said locking position, said pivotally mounted member having a surface portion engageable by the free end of said leaf spring to maintain said member away from said locking position.

2,498,649
TELAUTOGRAPH CONTROL SYSTEM
Gilbert R. Clark, Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 24, 1946, Serial No. 643,100
10 Claims. (Cl. 178—18)



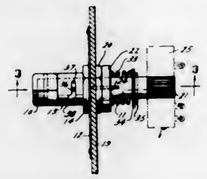
1. In a visual signal reproducing system of the kind adapted to alternately receive two sets of signals over a single channel representing respectively the spacial coordinates of a moving point to be reproduced, a cathode-ray tube oscilloscope having coordinate beam-deflecting elements, a bank of electric energy storage elements, means to alternately charge each of said elements under control respectively of said separate sets of signals so that the stored energy in each element represents a corresponding incremental segment of the wave form of said signals, a pair of channels leading from said bank respectively to each of said coordinate deflecting elements, and means simultaneously to discharge said stored energy in pairs of storage elements over said respective channels.

2,498,650
DUMP HAYRAKE
William D. Crain, Stoneham, Colo.
Application July 3, 1945, Serial No. 603,015
4 Claims. (Cl. 56—395)



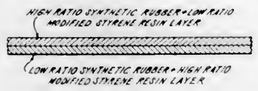
1. A device of the character described, comprising a hay rake having supporting wheels, of a pair of semi-circular vertical fenders, one positioned between each wheel and the related end of the rake, downwardly inclined bars pivoted to the upper end of said fenders, horizontal rods journalled transversely of said rake, forwardly of said fenders having upwardly extending portions at right angles to said rods pivotally connected to said bars, means for operating said rake connected to said horizontal rods, whereby the operation of said rake will oscillate said fenders.

2,498,651
ACTUATING HANDLE ASSEMBLY FOR SWITCHES
George C. Crom, Alamogordo, N. Mex.
Application August 27, 1947, Serial No. 770,845
3 Claims. (Cl. 74—504)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a handle assembly for switch operation, a handle, a shaft attached thereto and rotatable thereby, a detent and a detent plate operatively associated therewith, a plurality of notches in said detent plate and means including a jog-slotted bushing encircling said shaft between said detent and said handle, and a pin projecting into said shaft and through the slot in said bushing whereby a plurality of detent-indexed stations may be attained by the angular movement of said shaft and handle at little effort to engage the various detent notches which define said stations, and spring means located between said detent and the outer end of said shaft whereby a handle indexing movement into a final detent position can be attained only by partial retraction of said shaft by said pin in following a jogged portion of said slot at considerably greater effort.

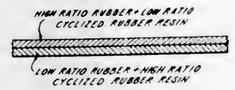
2,498,652
LAMINAR STRUCTURE
Lawrence E. Daly, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 19, 1946, Serial No. 704,542
5 Claims. (Cl. 154—43)



1. A shatterproof scar-resistant laminar structure comprising a normally hard tough thermoplastic base sheet composed mainly of a composite thermoplastic homogeneous mixture of an elastic rubbery copolymer selected from the group consisting of (A) rubbery copolymers of butadiene-1,3 and styrene and (B) rubbery copolymers of butadiene-1,3 and acrylonitrile and a hard normally inelastic resinous thermoplastic copolymer selected from the group consisting of (C) resinous copolymers of monomers consisting essentially of styrene and butadiene-1,3 in proportions ranging from 80 to 97 percent by weight of styrene and correspondingly by from 20 to 3 percent by weight of butadiene-1,3 and (D) resinous copolymers of monomers consisting essentially of styrene and acrylonitrile in proportions ranging from 50 to 85 percent by weight of styrene and correspondingly from 50 to 15 percent by weight of acrylonitrile, a resinous copolymer (C) being used when a rubbery copolymer (A) is used and a resinous copolymer (D) being used when a

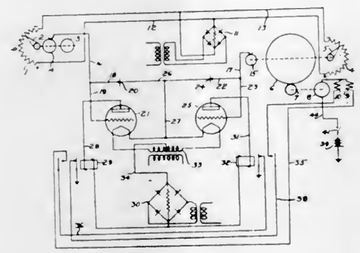
rubbery copolymer (B) is used, said resinous copolymer constituting from 60 to 90 percent by weight of the sum of the weights of said rubbery copolymer and said resinous copolymer, said base sheet having bonded integrally to one face thereof by coalescence under the action of heat and pressure a sheet composed mainly of a composite thermoplastic homogeneous mixture of the same rubbery and resinous copolymers that are used in said base sheet but in which the rubbery copolymer is present in proportion ranging from 50 to 75 percent by weight of the sum of the weights of said rubbery copolymer and said resinous copolymer.

2,498,653
LAMINAR STRUCTURE
Lawrence E. Daly, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 19, 1946, Serial No. 704,543
4 Claims. (Cl. 154—139)



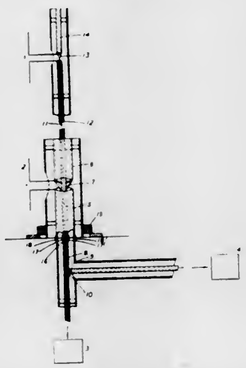
1. A shatterproof scar-resistant laminar structure comprising a normally hard tough thermoplastic base sheet composed mainly of a cured composite thermoplastic homogeneous mixture of natural rubber and cyclized rubber resin, the cyclized rubber resin constituting above 50% and up to 90% by weight of the sum of the weights of the two comopunds, said base sheet having bonded integrally therewith by coalescence of the interface under the action of curing heat and pressure an embossable thermoplastic sheet composed mainly of a cured thermoplastic homogeneous mixture of the same rubber and resin components that are used for forming the said base sheet, but in which the proportion of the cyclized rubber resin in substantially less than the proportion thereof in said base sheet and ranges from 25 to 50% by weight of the sum of the weights of the natural rubber and cyclized rubber resin components.

2,498,654
REMOTE POSITION CONTROL SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1945, Serial No. 579,869
15 Claims. (Cl. 318—29)



1. In a system for adjusting a distant device in accordance with a local control, in combination, means for driving the device in either direction of adjustment, a potentiometer at the distant point, a potentiometer at the local control point, a source of direct current connected across said potentiometers, an adjustable contact for each potentiometer, said adjustable contact at the distant point being connected to said driving means, and device for operation therewith, means to adjust the position of the contact of the potentiometer at the control station, circuit means interconnecting said variable contacts of said potentiometers, said circuit means including a pair of unidirectional high impedances, said impedances being poled so that each presents a low impedance to current flowing to it from the corresponding potentiometer contact, and voltage responsive means connected in shunt to each of said impedances, said voltage responsive means causing operation of said driving means in a direction and for a duration of time sufficient to cause positioning of said potentiometer contact at the distant point to correspond with the positioning of the contact of the potentiometer at the control point.

2,498,655
RADIO AERIAL
Etienne de Faymoreau, New York, N. Y., and André de Gouvenain, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 11, 1947, Serial No. 760,222
In France December 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 30, 1963
5 Claims. (Cl. 250—33.51)



3. An orientable antenna arrangement comprising a hollow metal mast rigidly supporting an upper and a lower antenna system, said mast being supported rigidly and coaxially within a tubular metal shield member adapted for rotation round its vertical axis and extending from the foot of said mast to a point between said antennae systems such that the lower antenna system but not the upper antenna system is shielded from the mast, coaxial feeder means mounted coaxially with said mast for feeding separately said upper and said lower antennae systems, slip-ring means connecting the conductors of said coaxial feeder means to respective antenna utilisation or energisation devices, and means to rotate said tubular shield member for orientation of said antenna systems.

2,498,656
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,183
21 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a drastically-oxidized, hydrophile, oxyalkylated 2,4,6 C_4 to C_8 hydrocarbon substituted monocyclic phenol—C_1 to C_8 aldehyde resin in which the ratio of oxyalkylene groups to phenolic nuclei is at least 2:1 and the alkylene radicals of the oxyalkylene groups are selected from the class consisting of ethylene, propylene, butylene, hydroxypropylene and hydroxybutylene radicals; said drastic oxidation being conducted by means of a gaseous oxygen-containing medium.

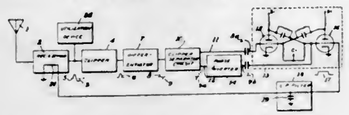
2,498,657
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,187
8 Claims. (Cl. 252—342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a water-miscible oxyethylated ricinoleic acid-polycarboxy acid-glycerol ester; said ricinoleic acid ester containing at least one glyceryl radial as an integral part thereof and being the ester of a saturated polycarboxy acid having not over 10 carbon atoms; said ester being additionally characterized by the fact that (*a*) The total number of ricinoleic acid radicals is less than the hypothetical number of hydroxyl radicals originally in combination with a glyceryl radical; and (*b*) The presence of a reactive hydroxyl radical; said hydroxyl radical being reactive towards ethylene oxide, as differentiated from a ricinoleyl hydroxyl radical, and with the further proviso that the weight of ethylene oxide added by reaction based on the weight of said ricinoleic acid-polycarboxy acid-glycerol ester is within the range of 140% to 200%.

2,498,658
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,188
5 Claims. (Cl. 252—342)

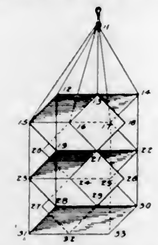
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a water-miscible oxyethylated triricinolein acidic ester; said triricinolein acidic ester being that of a saturated dicarboxy acid having not over 10 carbon atoms and characterized by the fact that prior to oxyethylation there is present at least one dicarboxy acid carboxyl radical for each triricinolein, and all dicarboxy acid radicals are directly attached to the ricinoleyl radical, and with the further proviso that the weight of ethylene oxide added by reaction based on the weight of the triricinolein acidic ester prior to oxyethylation is within the range of 75% to 125%.

2,498,659
AUTOMATIC VOLUME CONTROL SYSTEM
Louis A. de Rosa, Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 9, 1946, Serial No. 646,694
7 Claims. (Cl. 250—20)



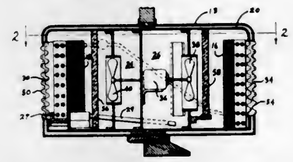
2. A radio receiver and an automatic volume control system therefor comprising means for deriving from the output of the receiver a pair of pulses varying in amplitude in accordance with the variations of amplitude of the output of the receiver, means controlled by the reception of the first pulse of said pair of pulses for initiating the producing of a control voltage, means controlled by the second pulse of said pair of pulses having an amplitude above a given level, for terminating the producing of said control voltage, and means for applying said control voltage to said receiver to control the gain thereof.

2,498,660
COLLAPSIBLE MULTICORNER REFLECTOR FOR ULTRA HIGH FREQUENCY RADIANT ENERGY
Francis W. Dunmore, Rockville, Md., and Harold Lyons, Washington, D. C.
Application September 27, 1946, Serial No. 699,654
2 Claims. (Cl. 343—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A collapsible four-element corner reflector of ultra-high frequency radiant energy, comprising a series of superposed substantially rectangular sheets of electrically conductive material, each having one pair of opposite edges longer than the other pair of the opposite edges thereof, each of the sheets between the endmost sheets of the series having the alternate longer edges thereof hinged respectively to the juxtaposed similar edges of the next adjacent upper and lower sheets to provide for folding the sheets alternately in opposite directions one upon the other in a compact package, suspension means comprising flexible elements connected to the edges of said sheets at points spaced along said elements for supporting said sheets substantially at right angles to each other when supported by said suspension means, and a plurality of foldable substantially rectangular sheets of electrically conductive material each disposed transversely between a different pair of opposing upper and lower sides of adjacent sheets of said series, each of said foldable sheets being disposed with a pair of its adjacent edges traversing and hinged respectively to the opposing upper and lower sides of the sheets of said series with which it is associated.

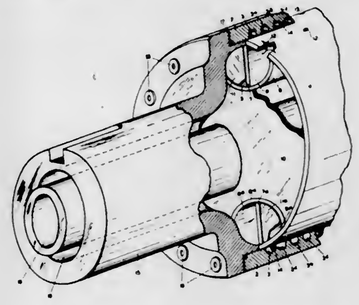
2,498,661
REFRIGERATING APPARATUS FOR WINDOW MOUNTING
Edwin S. Dybvig, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 29, 1945, Serial No. 625,401
14 Claims. (Cl. 62—129)



1. In combination with a wall of a room having an opening therein, a stationary housing disposed within said opening, a cabinet disposed within said stationary housing, a refrigerating system including an evaporator and a condenser connected to said evaporator and mounted within said cabinet, means for flowing one stream of air in thermal exchange with said evaporator, means for flowing another stream of air in thermal exchange with said condenser, said stationary housing and said cabinet having a plurality of registering openings for the ingress and egress of said air streams, certain of said openings communicating with the inside atmosphere and other of said openings communicating with the outside atmosphere, means for rotatably mounting said cabinet within said stationary housing whereby the openings in said rotatable cabinet may be shifted into a different registry with the openings in said stationary housing, and damper means cooperating with certain of said openings for varying the ratio of outside air to inside air introduced into said stationary cabinet to form one of said air streams.

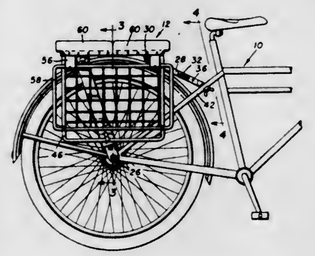
2,498,662
CALENDER ROLL
Le Roy Eaby, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application December 31, 1946, Serial No. 719,390
6 Claims. (Cl. 257—95)

5. A heat exchange roll of the shell type comprising: an outer shell and an inner hollow cylinder with a plurality of annular heat transfer fluid channels disposed therebetween throughout the effective working area of the roll, means for circulating heat transfer fluid through all of said channels at substantially the same turbulent velocity, said annular channels being arranged in groups of two channels per group, the annular channels of each group being connected to each other by a fluid-carrying break-through channel; a plurality of inlet manifolds and a plurality of outlet manifolds positioned adjacent the annular channels and extending along the length of said effective working area, the combined heat transfer fluid capacities of which inlet manifolds are at least as great as the sum of the capacities of said channels; said inner hollow cylinder having a plurality of apertures through the wall thereof connecting one of the annular channels in each



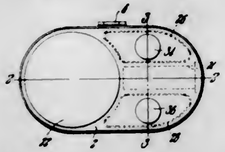
group to one of said inlet manifolds and connecting the other annular channel in each group to one of said outlet manifolds for the circulation of heat transfer fluid through said channels at substantially the same turbulent velocity; each group of annular channels being connected to inlet and outlet manifolds placed substantially diametrically opposite the inlet and outlet manifolds for the adjacent group.

2,498,663
COMBINATION LUGGAGE CARRIER, TANDEM SEAT, AND BASKET
Charles H. Easley, Chula Vista, Calif., assignor of one-half to Gerald R. Easley, Chula Vista, Calif.
Application May 8, 1947, Serial No. 746,725
3 Claims. (Cl. 224—33)



1. An attachment for bicycles and the like comprising a base, supporting means for mounting said base upon the frame of a cycle, sides and ends pivoted to said base and movable to form a basket, said sides being engageable with said ends in latching engagement, said ends being provided with notches at the upper ends thereof, said sides being engageable with said notches and pivoted upon resilient supports, said sides being resiliently biased to retain the latching engagement with said notches, said supports comprising leaf springs secured transversely upon said base, said sides being pivoted to the extremities of said leaf springs.

2,498,664
TOILET KIT
Carl J. Eduard, West Springfield, Mass.
Application January 4, 1946, Serial No. 639,069
1 Claim. (Cl. 132—79)



A toilet kit comprising, in combination, a solid body having upper and lower horizontally disposed faces and front and rear vertically disposed faces and semi-circular vertically disposed end faces at opposite ends of said body connected to and adjacent said upper and lower faces and said front and rear faces, said body being provided adjacent one of its ends with a vertically extending cylindrical powder cavity concentrically disposed relative to one of said semi-circular end faces and provided adjacent the other of its ends with a horizontal cylindrical lipstick bore extending toward the powder cavity and having its outermost extremity upon one of said semi-circular end faces, said upper face provided with neck openings at opposite sides of said horizontal bore for the necks of containers, a circular cover member disposed on said body and overlying the uppermost extremity of the powder cavity, separate containers being fixed in said body at opposite sides of said lipstick cavity and each having neck portions extending upwardly through and beyond said neck openings in said upper face, and a closure member hinged to said body for swinging between a closed position overlying said upper face and an open position away therefrom.

2,498,665
PREPARATION OF PEPTIDES
Oliver H. Emerson, Kensington Park, Calif., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 12, 1947, Serial No. 768,254
13 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising reacting a phthalyl amino acid halide with a member selected from the class consisting of amino acids and peptides in the presence of a neutral to weakly alkaline buffer to produce a phthalyl peptide, and then refluxing the phthalyl peptide so formed with water and a member selected from the class consisting of hydrazine, hydrazine hydrate, and the mineral acid salts of hydrazine to produce a peptide.

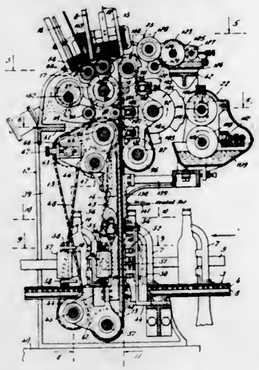
2,498,666
RECTIFIER UNIT
Charles A. Escoffery and Walter H. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 10, 1946, Serial No. 702,518
4 Claims. (Cl. 175—366)

1. A rectifier comprising a metal rod base element carrying a coating of semiconductive selenium upon all but one end portion thereof and a counterelectrode layer overlying the selenium coating unit, an insulating tube, conductive end caps hermetically sealing the ends of said tube, and conductive material bonding each of said end



caps with one electode of said rectifier to make said electrodes integral with said end caps.

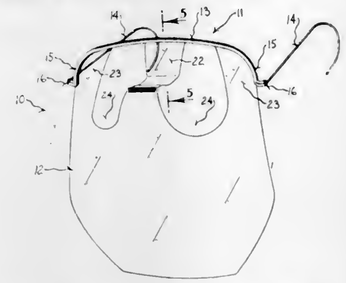
2,498,667
ARTICLE LABELING MACHINE
Paul E. Fischer, Portland, and Edgar Ardell, Middletown, Conn., assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application July 31, 1945, Serial No. 608,050
22 Claims. (Cl. 216—13)



1. In a labeling machine, a conveyor for the article to be labeled, and means for positioning a label in the path of the propelled article comprising a continuously operating suction conveyor extending at right angles to the plane of said article conveyor and adapted to support a label by contact with the front surface thereof adjacent its opposite side edges, means for delivering a label to the suction conveyor, and means for stopping the movement of the label with respect to the suction conveyor before the article engages the label.

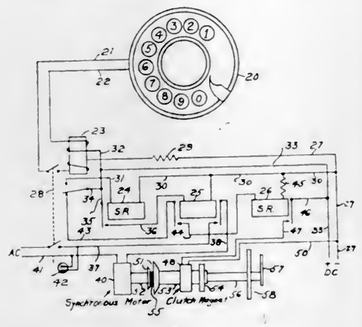
2,498,668
MASK
Leslie James Fitzsimmons, East Orange, N. J.
Application September 2, 1947, Serial No. 771,607
4 Claims. (Cl. 128—139)

1. A mask of the character described comprising: a frame including a bow piece of a length to span the brow of a person wearing the mask and bowed outwardly to substantially correspond to the shape of the brow, downwardly depending leg portions on the opposite extremities of the bow piece, and temple pieces connected to said downwardly depending leg portions of said bow piece to aid in supporting the mask on the head of the wearer; a shield having its upper edge portions secured to said bow piece and suspended therefrom to cover the nose and mouth of a person wearing the mask; and offset means integral with said shield and centrally thereof beneath the bow piece defining



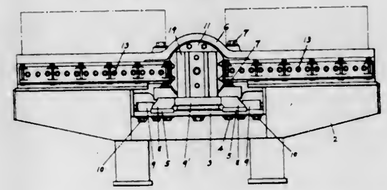
a ledge adapted to engage the bridge of the nose of the wearer to hold the body of the shield spaced from the end of the wearer's nose and adapted to cooperate with said temple pieces to support the mask on the head of the wearer.

2,498,669
IMPULSE TRANSMITTER TEST INSTRUMENT
Owen C. From, East Orange, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 29, 1944, Serial No. 556,400
12 Claims. (Cl. 179—175.2)



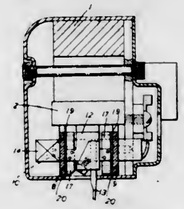
1. In a pulse rate tester for an impulse transmitter, in combination, a relay in circuit with the contacts of the impulse transmitter, a slow-to-release relay operated by said first mentioned relay, a time comparison device comprising a synchronous motor under control of said slow-to-release relay, a second slow-to-release relay operated upon the breaking of the circuit to said first mentioned relay as the transmitter emits its impulses, an electro-magnetic clutch controlled by said second slow-to-release relay, a stationary graduated timer dial and pointer movable with respect to the graduations of said dial and adapted to be connected to said synchronous motor for rotation therewith upon operation of said electromagnetic clutch, said pointer being disengaged from said synchronous motor upon release of said second slow-to-release relay, said release occurring a definite time interval after the transmitter has completed transmission of a series of pulses, said timer dial being graduated in unequal divisions, whereby the number of pulses per second emitted by the transmitter may be directly read.

2,498,670
EXTRUSION DEVICE
Luther E. Gaenzle, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application June 28, 1947, Serial No. 757,808
6 Claims. (Cl. 18—12)



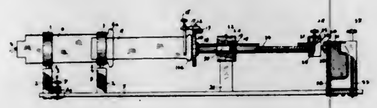
1. In an apparatus for forming articles by extrusion, the combination of a series of extrusion tubes arranged on a horizontal plane on both sides of the machine, plungers adapted to compress material disposed in said extrusion tubes, said plungers being attached to a crosshead disposed along the horizontal central axis of the machine between said series of tubes, and a hydraulic cylinder positioned in the center of said crosshead, the center line of the cylinder being on the same horizontal plane as the center line of the extrusion plungers.

2,498,671
SOUND REPRODUCER OR RECORDER HEAD
Michael Lawrence Gayford, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 5, 1946, Serial No. 639,273
In Great Britain January 26, 1945
2 Claims. (Cl. 179—100.41)



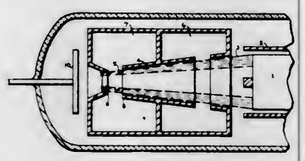
1. A translating device comprising a support, electromagnetic means surrounding said support, a pair of resilient members of non-magnetic material spaced from each other, means for attaching the extremities of said members to said support, an armature of magnetisable material secured to said members by a pair of integral lugs at points displaced from the points of attachment of said members both longitudinally and laterally thereof, and means for causing said electromagnetic means and portions of said members to vibrate.

2,498,672
MOTOR DRIVE FOR MEDICAL SYRINGES
George Bronislaw Glass, New York, N. Y., assignor to Antonina S. Glass, New York, N. Y.
Application May 26, 1947, Serial No. 750,481
6 Claims. (Cl. 128—218)



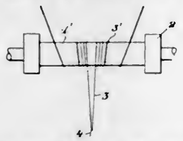
1. In a device for automatically operating a medical syringe, which syringe comprises a syringe barrel and piston, a base, means for rigidly holding the syringe barrel secured to a stationary portion of the device, a plunger rod head, means for releasably engaging said head with the syringe piston, a plunger rod attached to said plunger rod head, a bearing for said plunger rod, means for preventing rotation of said plunger rod during axial travel thereof, a motor, a housing for a motor secured to said base, an axially disposed screw-threaded drive shaft parallel to said plunger rod and journalled to said motor, means for changing the rate of rotation of the drive shaft, a connecting member operatively connecting said plunger rod and said screw-threaded drive shaft and movable co-axially but not rotatably with the latter, said connecting member comprising a casing secured to the rear end of the plunger rod, an internally screw-threaded split nut surrounding and meshing with the screw-threaded drive shaft housed in said casing, and means for disengaging said split nut from meshing engagement with said screw-threaded drive shaft.

2,498,673
VELOCITY MODULATION TUBE
Georges Goudet and René Musson-Genon, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 21, 1947, Serial No. 749,513
In France September 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 22, 1965
4 Claims. (Cl. 250—27.5)



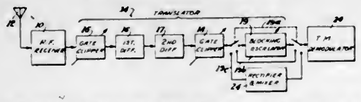
1. A velocity modulation tube comprising a cavity resonator, a conical drift tube within said resonator, said resonator having reentrant walls in line with said conical drift tube, said walls defining a pair of oppositely disposed openings said openings being of different size and facing respectively the base and apex portions of said drift tube, a cathode electrode opposite the opening of larger size and an anode electrode opposite the opening of smaller size.

2,498,674
METHOD OF WINDING ELECTRICAL RESISTANCE WIRE STRAIN GAUGES
Erwin W. Graham and Clive M. Yeomans, Cleveland, Ohio
Application June 11, 1946, Serial No. 676,048
3 Claims. (Cl. 242—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method for winding a non-inductive resistance coil comprising the steps of affixing the ends of a resistance element in spaced relationship on a supporting form; pulling the resistance element away from the form into a V-shape whose legs pass directly to and are affixed to the supporting form; rotating the supporting form, while permitting the V-shaped resistance element to be wound onto the supporting form.

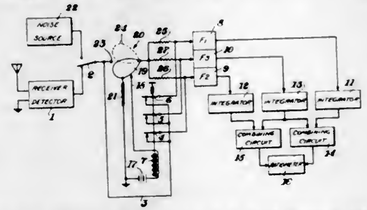
2,498,675
RADIO RECEIVER
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application May 24, 1943, Serial No. 488,179
12 Claims. (Cl. 250—20)



1. A radio receiver system for receiving carrier waves modulated according to any one of a plurality of different modulating principles comprising means to receive a carrier wave modulated according to any one of said principles, means to limit clip the carrier wave between two limits, so that regardless of the principle of modulation, wave energy is segregated from said carrier wave having a characteristic corresponding to the modulation of the wave, means to differentiate the segregated energy to produce pulses, means to select those of the pulses which represent a train of time modulated pulses equivalent to the modulated carrier wave, and means to demodulate said time modulated pulses, the pulse selecting means including a blocking oscillator having an adjustable synchronizing range for selection of pulses within a selected range of frequencies.

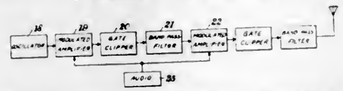
2,498,676
CALIBRATION APPARATUS FOR RADIO RECEIVER
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 9, 1945, Serial No. 587,243
8 Claims. (Cl. 343—101)

1. In a translator provided with means for translating a signal including components of different frequencies, means for selecting said different frequency components, means for coupling said translator to said selecting means, and means for comparing said selecting signals; a system for checking operation and calibration of said system comprising a source of energy having components of said different frequencies switch means for disconnecting said coupling to said selecting means and intercoupling said selecting means through a voltage dividing means, and other



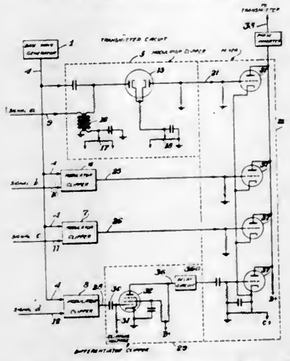
switch means for connecting said source of energy to said voltage dividing means, whereby energy of said different frequency components will be selected, and applied at predetermined voltage levels to the comparing means.

2,498,677
COMMUNICATION OF INTELLIGENCE
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 19, 1945, Serial No. 600,255
9 Claims. (Cl. 332—15)



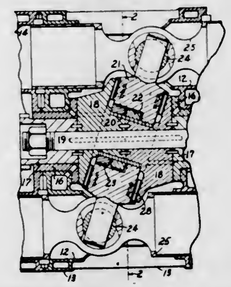
1. In a communication system, means for generating a carrier wave, means for modulating the amplitude of the carrier in accordance with the intelligence to be communicated, means for clipping the modulated carrier between two symmetrical levels above and below the carrier axis and passing only that portion of the wave intermediate the two levels, and means for removing harmonics from said clipped wave portion.

2,498,678
MULTIPLEX ELECTRICAL PULSE COMMUNICATION SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 29, 1945, Serial No. 619,405
16 Claims. (Cl. 179—15)



4. A system for producing a complex pulse wave carrying a plurality of channels of signal energy, comprising means for producing a plurality of pulse trains respectively signal modulated in a time characteristic with the energy from said signal sources, and means to superimpose the pulses of at least two of said pulse trains to produce said complex wave, the pulses of each separate superimposed train having different basic widths, said means for producing the pulse trains including means to time modulate the pulses thereof according to the instantaneous values of the corresponding signal energy.

2,498,679
STARPLATE MECHANISM
Edwin S. Hall, Farmington, Conn.
Application July 12, 1948, Serial No. 38,224
10 Claims. (Cl. 74—60)

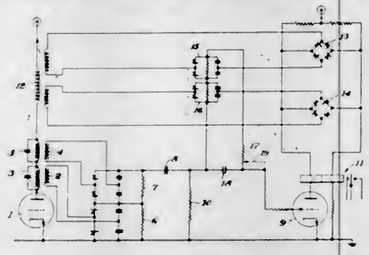


6. A starplate mechanism comprising a rotating shaft assembly including slants having plane bearing faces inclined to the axis of rotation, an even number of cylindrical crosshead guides parallel to said axis, recipers operable in said guides, a compound starplate having half as many members as the number of said cylindrical crosshead guides, slippers pivoted in each of said members and coacting with said plane bearing faces, each of said members having a pair of coaxial and diametrically opposite arm pins, wristpins carried by said recipers and operably engaging said arm pins, and slippers spherically pivoted in the ends of said wristpins and coacting with said crosshead guides, each of said starplate members serving, independently of the other said members, to transfer the torque reaction from the rotating assembly thru both sets of slippers to said cylindrical crosshead guides.

2,498,680
ALTERNATING CURRENT SIGNALING SYSTEM
Thomas Frederick Stanley Hargreaves, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 30, 1948, Serial No. 46,753
In Great Britain September 23, 1947
6 Claims. (Cl. 178—66)

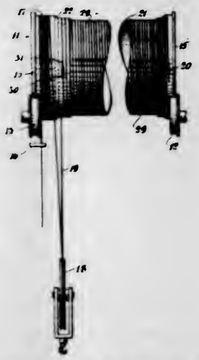
4. A receiver for use with frequency or phase modulated telegraph systems of the kind comprising a discriminator consisting of tuned circuits or filters in conjunction with rectifying means for separating the received carrier frequency mark and space signals, means for delivering said rectified and discriminated signals through a first condenser in series and a first resistance in shunt as voltage of opposite polarities to the control grid of an output valve, said valve conductively responsive to application of

a voltage of only one of said polarities, a receiving relay having a first winding in the anode current path and a second winding, a source of opposing biasing current of less effective value than the anode current, means for applying said biasing current continuously to said second winding, two quadralateral rectifier bridges each having a first diagonal connected between corresponding points in the paths through said windings, means for applying the original received modulated carrier frequency signals across second diagonals of said bridges, said respective bridges offering a low and high impedance to the passage of said original received modulated carrier frequency signals ac-



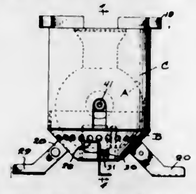
cording as current passes or does not pass through said first winding, means for rectifying said carrier frequency signals passing said bridges, means for passing said last mentioned rectified signals through a second condenser in shunt, and a second resistance in series, said second condenser and second resistance having a time constant equal to that of the first condenser and first resistance, said second condenser being in series with said first condenser in the connection to the control grid of said output valve whereby any diminution of the amplitude of said signals caused by the presence of said first condenser and first resistance is compensated.

2,498,681
METHOD FOR WINDING
Philip R. Hirsh, Montclair, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application October 15, 1945, Serial No. 622,343
4 Claims. (Cl. 242—11)



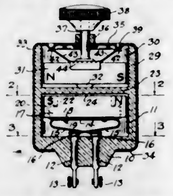
1. In a method for wrapping a line about a core, the steps comprising applying a mandrel to one end of a core, attaching the end of a line to the other end of the core, snubbing the line on the core adjacent the attached end by applying turns of line about the core in sufficient number to prevent slippage of the line when tensioned and leaving a loop of line between the snubbing and the attached end, tensioning the line between the snubbing and attached end by applying force to the loop of line, winding a permanent winding onto the core by rotating the core while translating the loop of line longitudinally of the core and continuing the application of the permanent winding until the snubbing has passed onto the mandrel, securing the permanent winding to the core, relieving the applied force, and severing the snubbing from the last secured end of the line.

2,498,682
PORTABLE GASOLINE STOVE
Styles T. Howard, Jeffersonville, Ind.
Application September 24, 1945, Serial No. 618,390
6 Claims. (Cl. 126—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stove comprising a vapor fuel burner, a casing comprising a base, said base being equipped with pivoted legs adapted to swing outwardly in stove-supporting position and inwardly against said base in compact position for packing, and a removable section mounted on said base, said removable section having a cylindrical wall surrounding the burner and having arms pivoted at the top of said section, said arms extending horizontally outward to support a cooking utensil and being swingable to a retracted position against the inside of said cylindrical wall when said section is removed from said base, each of said arms being hinged at the top of said cylindrical wall and being of sufficient length to be retained in said retracted position by said burner when said section is replaced on said base.

2,498,683
MAGNETICALLY OPERATED SWITCH
Harvey Hubbell, Long Hill, Conn.
Application February 3, 1945, Serial No. 575,961
6 Claims. (Cl. 200—155)



1. An electric switch comprising a body member of insulating material enclosing a chamber, a pair of permanent bar magnets located one on each of the opposite sides of the upper end wall of the chamber adjacent thereto and adapted to rotate in planes substantially parallel to said

wall, a contact connected to said inner magnet and including spring fingers located under the magnet to support it and provided with contacts on the lower end wall of the chamber, stationary contacts in said latter wall arranged to be bridged by said movable contact, and means for rotating the outer magnet to cause the inner magnet to move with it by mutual attraction between the magnets to shift the movable contact.

2,498,684
CHEMICAL PRODUCT
Jack K. Y. Hum, United States Army
No Drawing. Application May 1, 1945, Serial No. 591,292
1 Claim. (Cl. 260—609)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

Dichlorethyl sulphide mixed with the impurities of its composition and stabilized with hexamethylene tetramine, said dichlorethyl sulphide constituting approximately 70%, said impurities constituting approximately 30%, and said hexamethylene tetramine constituting at least 1% of said mixture.

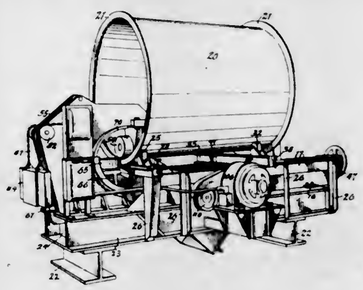
2,498,685
ADJUSTABLE BELT
Sidney Hyman, New York, N. Y.
Application December 26, 1946, Serial No. 718,311
1 Claim. (Cl. 2—321)



An extensible belt comprising a pair of elongated members, a loop carried one by each of said members and each of said loops laterally encircling the other member, cooperative means carried by adjacent ends of said members whereby said end portions may be coupled to secure the belt on the waist of a wearer, means for preparatorily modifying the length of the belt to conform with a selected waist size, the last named means including a plurality of engageable elements at spaced points along the interior surface of one of said flexible members and a cooperative engaging element carried by the other of said members by an intermediate yieldable strap, and said engaging element adapted to engage any selected one of said engageable elements for the purpose described.

2,498,686
MACHINE FOR FLANGING CYLINDRICAL SHELLS
Leon H. Johnson, Warren, Pa., assignor to Struthers Wells Corporation, Warren, Pa., a corporation of Maryland
Application June 10, 1946, Serial No. 675,611
12 Claims. (Cl. 153—29)

1. A machine for flanging metal shells and the like, comprising a back-up roller adapted to engage the inner side of a shell adjacent to an end of the same, a flanging roller rotatable in a plane at an angle of 45° to the axis of said shell and having its periphery bevelled to provide an upper inclined face a horizontal part of which is adapted to bear against the underside of said shell opposite to said back-up roller, and also provide a lower inclined face vertical parts of which are adapted to be arranged adjacent to the underside of the shell, a forming roller adapted to bear with its periphery against the end part of said shell on the same side as the back-up roller and movable bodily in an arcuate path from a position next to said back-up roller to a position in front of said flanging roller and operating to bend the end part of the shell from a position parallel with the body thereof to a position at right angles thereto and against the vertical part of the lower



face of said flanging roller, and actuating means for effecting said arcuate movement of said forming roller including a standard provided with an arcuate guide-way, a carrier slidable on said guide-way and supporting said forming roller and means for moving said carrier including a segment on the carrier, a pulling line connected at one end with said standard and connected at its opposite end with said segment and adapted to be wound on the latter, a floating guide pulley engaging said pulling line, and a hydraulic ram having a movable cross head on which said floating guide pulley is mounted.

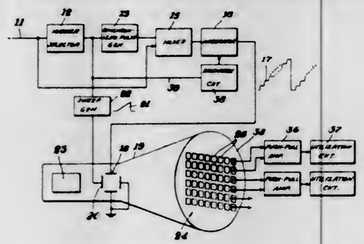
2,498,687
VASOCONSTRICTOR COMPOSITION
Delmar H. Larsen, West Hollywood, Calif.
No Drawing. Application November 1, 1945, Serial No. 626,182
7 Claims. (Cl. 167—65)

3. A composition for medicinal use comprising; an orally effective vasoconstrictor containing the group R—C—C—N— where R is a six membered carbon ring and vasoconstrictive ephedra in a weight-ratio of vasoconstrictor:ephedra between the approximate limits of 1:20 and 1:2.

2,498,688
DEMODULATOR AND CHANNEL SEPARATOR SYSTEM
Arnold Lesti, New York, N. Y., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application June 22, 1946, Serial No. 678,703
7 Claims. (Cl. 179—15)

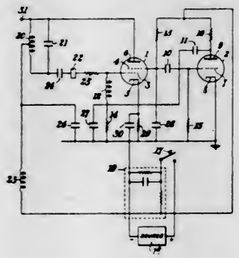
1. In a demodulator system for multi-channel time modulated pulses including a synchronizing signal, a cathode ray tube having target elements corresponding to separate channels, means for deflecting the beam in said tube successively across said target elements, and means controlling, in synchronism with the average repetition rate of the synchronizing signal, deflection of the

beam, and responsive to the time modulation of the pulses for varying the length of time that



said beam is directed at each of said target elements.

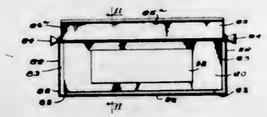
2,498,689
ARRANGEMENT FOR MODULATING CONTINUOUS WAVES
Maurice Moise Levy and Edward Arthur Rattue, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 5, 1946, Serial No. 639,288
In Great Britain January 15, 1945
13 Claims. (Cl. 250—17)



1. An arrangement for generating modulated electric carrier waves comprising a first and second thermionic amplifying valve each having an output circuit coupled to the input circuit of the other valve through a corresponding reactance-resistance network in such manner as to generate regularly repeated pulses by which the said valves are alternately blocked and unblocked, and an oscillation circuit coupling the input circuit of the first of the said valves to a second output circuit of the same valve to generate pulses of carrier waves during the periods when the said first valve is unblocked.

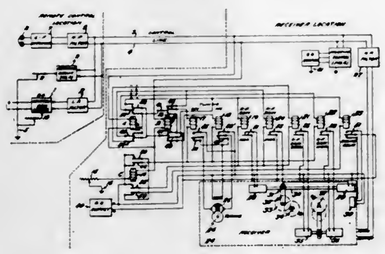
2,498,690
PHOTOGRAPHIC LETTERING DEVICE HAVING A REMOVABLE LAYOUT SUPPORT OVER A FILM SUPPORT
George A. Lohr, Arlington, Va.
Application August 17, 1945, Serial No. 611,109
11 Claims. (Cl. 95—4.5)

1. In a photographic lettering device having an enlarging camera, a movable multiple-letter negative holder and table, a layout and sensitized surface holder comprising a body member, means permitting free movement of said member in a plane, a sensitized surface support on the body member, a light-proof cover means for the sensitized surface support, said cover means having a surface for supporting a layout, and registration means for causing registration of one with the other so that the layout surface can be removed and replaced accurately at its former position, whereby, successively, letters may be



projected from the multiple-letter negative onto the layout surface and the layout surface and cover removed to expose the letters on the sensitized surface in the respective positions indicated on the layout surface, to produce the desired design or arrangement.

2,498,691
REMOTE CONTROL SYSTEM FOR RADIO RECEIVERS
William W. Macalpine, East Orange, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 8, 1945, Serial No. 615,130
8 Claims. (Cl. 177—353)



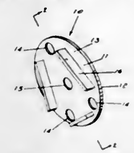
1. A remote control system comprising a control station, at least one receiving station to be controlled, three conducting control channels one of which may be ground, connecting said control station and said receiving station, three polarised relays at said receiving station connected in said channels in Y formation, each of said relays having contacts operable when current flows through its winding in one direction and other contacts operable when current flows through its winding in the other direction, a source of substantially constant voltage, keying means for connecting said source selectively to said channels so as to apply positive or negative potential to any channel in a predetermined arrangement, whereby said polarised relays may be operated in corresponding predetermined manner, a plurality of additional relays, each of said additional relays having its winding connected between contacts of two of said three polarised relays, a second source of substantially constant voltage connected to the contacts of said three relays, whereby the operation or non-operation thereof will control the operation of said additional relays, a plurality of intelligence receiving devices at said receiving station, and circuit means controlled respectively by said additional relays for selectively adjusting the position of said devices.

2,498,692
GASTROINTESTINAL TUBE
Marshall Paul Mains, Yardley, Pa.
Application January 4, 1949, Serial No. 69,143
2 Claims. (Cl. 128—348)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gastro-intestinal tube comprising a flexible body inclosing a pair of fluid passages extending longitudinally through the body of the tube, a rigid distal tip on the tube, a resilient expansible member on the tube adjacent to the tip, one of the fluid passages communicating with fluid passage ports provided in the tip and periphery of the tube proximally of the expansible member, the other of the pair of fluid passages opening into the expansible member, and oppositely disposed flexible guide means extending longitudinally through the body of the tube to a point adjacent to the expansible member for facilitating guiding the distal tip of the tube into and through the pylorus and into the small intestine.

2,498,693
JIG
Mario Mascolo, New York, N. Y.
Application January 29, 1946, Serial No. 644,013
3 Claims. (Cl. 90—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

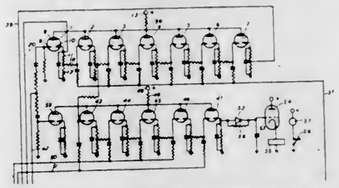


1. A jig for clamping against a support a workpiece having a ring-shaped base and a plurality of spaced legs on the ring, said jig comprising a plate-like portion having a periphery, said portion being formed near the periphery with a plurality of spaced holes extending therethrough and adapted to receive the legs of the workpiece, said portion being formed with a centrally-located hole extending therethrough and adapted to receive a bolt for locking the jig and workpiece relative to the support, and a plurality of spaced legs on the portion, said legs being located near the portion periphery between the spaced holes and adapted to clamp the workpiece against the support, said jig legs being disposed so that lateral access to the region bounded by said legs and portion can be had through the space between said legs.

2,498,694
PREPARATION OF AQUEOUS DISPERSIONS BY POLYMERIZATION IN THE PRESENCE OF AMMONIUM ALGINATE
William C. Mast, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 24, 1945, Serial No. 612,522
4 Claims. (Cl. 260—85.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A process for producing a stable aqueous resin dispersion suitable for brushing, spraying, dipping, or calendering, comprising: polymerizing a polymerizable material of the group consisting of monomeric lower alkyl acrylate alone and a mixture consisting of monomeric lower alkyl acrylate and acrylonitrile, by heating it in aqueous medium in the presence of a synthetic ionic surface-active wetting and emulsifying agent therefor; a peroxide polymerizing catalyst; ammonia; and colloid consisting of ammonium alginate; to form a smooth, creamy, stable emulsion.

2,498,695
TELEGRAPH RECEIVER
Eric Malcolm Swift McWhirter, Roland Harris Dunn, and Peter William Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 25, 1947, Serial No. 744,010
In Great Britain February 19, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 19, 1966
5 Claims. (Cl. 178—88)

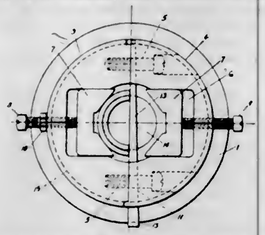


1. A receiver for predetermined telegraph codes comprising for each said code a chain of gas-filled electric discharge devices, one chain for each element of the code; an electric impulse generator for generating a series of regularly repeated impulses, means for applying impulses from said generator to successive devices of said chains upon receipt of a code element of the required kind, means to apply an impulse from a preceding device in a chain simultaneously with said last named means, said successive devices in said chains adapted to be rendered conducting in accordance with the corresponding code element, means operative upon the last device in an operated chain becoming conducting to indicate the receipt of the code element, and means connected to each chain for restoring the devices thereof to non-conducting condition at the end of the period allotted to the receipt of the code.

2,498,696
WORK HOLDER
Dennis A. Middaugh, Jersey City, N. J.
Application November 29, 1945, Serial No. 631,766
3 Claims. (Cl. 77—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

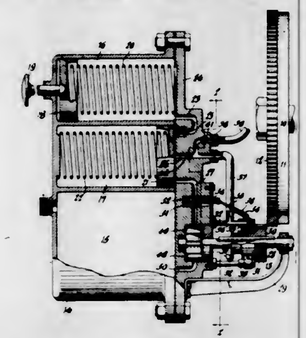
1. A work holder comprising body means, plural opposed first means on said body means inde-

pendently adjustable toward and away from each other, plural second means on said body means for independent free sliding movement along a path between the first means, the second means being



adapted for abutting engagement with the first means, and removable third means on said body means extending across said path and establishing a reference surface substantially normal to said path.

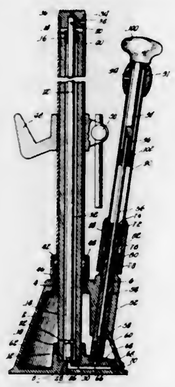
2,498,697
HYDRAULIC STARTING MECHANISM
John Chester Molyneux and Clarence E. Bournique, Jamestown, N. Y.
Application July 12, 1947, Serial No. 760,568
3 Claims. (Cl. 123—179)



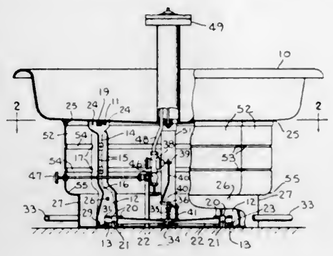
1. An hydraulic engine starting mechanism, comprising a driven shaft, a pinion mounted thereon for axial movement relative thereto into and out of driving engagement with the engine-gear, means in operative engagement with said pinion for axially-displacing it hydraulically into engagement with the engine-gear, hydraulically rotatable means operatively connected to said pinion-shaft for driving it, valve means for governing the admission of the hydraulic pressure medium to and its discharge from said pinion-displacing means, one of said valve means being normally closed and the other being normally open, and control means for initiating the operation of said shaft-rotating means when the pinion is in operative engagement with the engine-gear.

2,498,698
HYDRAULIC JACK
Joseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application January 28, 1944, Serial No. 520,008
10 Claims. (Cl. 60—52)

4. A unitary high pressure pump cylinder and release valve for an hydraulic jack comprising an elongated metal sleeve, the bore of the sleeve being formed as a piston receiving chamber and internal wall of the bore of the sleeve adjacent but spaced from one end being formed with a concentric valve seat providing a liquid discharge port through said end of said sleeve, a valve for said concentric seat for controlling said discharge port, said sleeve relatively adjacent said seat having a lateral port through the wall of the sleeve connecting with the bore of said sleeve and forming a liquid inlet, said lateral port including an internally formed valve seat, a valve controlling the valve seat of said liquid inlet, the end of said sleeve concentrically surrounding said discharge port being formed conically to provide a release valve.

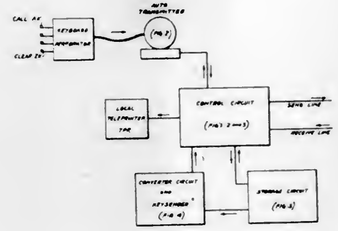


2,498,699
WASH FOUNTAIN
Howard G. Mullett and Edward D. Wachter, Jr., Whitefish Bay, Wis., assignors to Bradley Washfountain Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 30, 1946, Serial No. 713,196
7 Claims. (Cl. 4—167)



1. In a washfountain, the combination with a wash basin, of a skeleton frame comprising circumferentially spaced legs detachably secured at their upper ends to said basin, means detachably connecting the upper ends of the legs together in spaced relation, and means for connecting the lower ends of said legs together in spaced relation, and siding panels detachably secured to said legs.

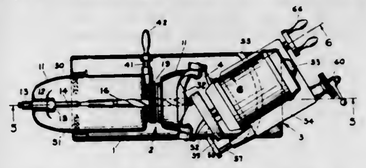
2,498,700
TELEPRINTER EXCHANGE SYSTEM
Leslie Stampe Munck, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application July 24, 1945, Serial No. 606,725
In Great Britain July 26, 1944
7 Claims. (Cl. 178—4)



1. In an automatic teleprinter exchange system comprising a plurality of called stations, at least one intermediate station and a calling station adapted to be connected to one of said called stations directly or to said intermediate station, and routing means for establishing connections between said stations in response to destination-indicating signals sent out by said calling station, in combination, message transmitting means at said calling station adapted to transmit a message prefixed with said destination-indicating signals, receiving means at said called stations and intermediate stations for receiving said signals over the connections established by said routing means, transmitting means at said called and intermediate stations for transmitting an answer back identity signal in response to signals received from said calling station, storage means at said calling station operative to store said destination-indicating signals prior to their transmission to said called stations, means included in said storage means being responsive to said answer back signals for comparing these signals with said stored signals and switch means at said storage circuit under the control of said comparison circuit being operative to deactivate said storing means when a direct connection to a predetermined called station is established, said connection being indicated when said received answer back signal corresponds to said stored destination indication signal, said switching means being further operative in response to answer back signals from an intermediate station to actuate said transmitting means for sending out signals representative of said stored signals when said received signals do not correspond to said stored signals indicating that said intermediate station will receive the message.

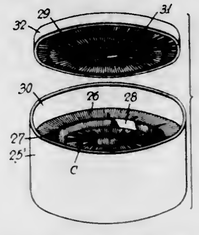
2,498,701
DRILL GRINDER
Gordon Munro, Bremerton, Wash.
Application April 20, 1945, Serial No. 589,434
15 Claims. (Cl. 51—219)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. In a drill grinder, a base, a frame supported on said base for movement on universal pivot axes, chuck means journaled in said frame for securing a drill therein against longitudinal movement with respect to said frame, means for swinging said frame about its universal axes of pivoting, said last named means including at least one cam rotatably supported in said frame and



a cooperating cam rest in said base, and means for rotating said cam and said chuck means.

2,498,702
CYLINDRICAL MAGNETIC CORE
Gustave Nahman, Englewood, N. J.
Application September 15, 1944, Serial No. 554,291
2 Claims. (Cl. 175—356)

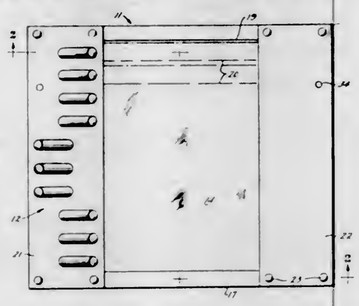


1. A generally cylindrical magnetic structure, comprising laminations of uniform thickness extending generally radially, said laminations being generally arranged in a progressively greater number per unit of sector from the axis to the periphery of the structure for nearly uniform compactness of the laminations throughout the structure, certain of said laminations extending in pairs of folded plies, said structure having a current coil carrying groove coaxial therewith, a current carrying coil in said groove, and an armature adjacent the otherwise exposed face of said coil.

2,498,703
ITEM CHECKING DEVICE
Abraham D. Olson, Osborn, Ohio, and Isaac A. Morris, Clifton Springs, N. Y.
Application January 2, 1947, Serial No. 719,646
6 Claims. (Cl. 116—128)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

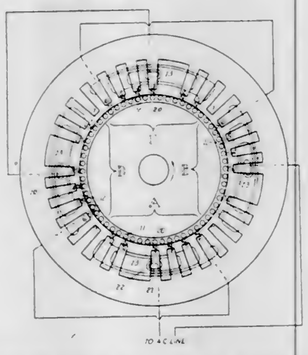
1. An item checking device comprising a supporting board including a rear panel and a transparent front panel, parallel spacing strips between said panels to space them apart and provide a recess therebetween for holding an item check list therein, one of said spacing strips having elongated parallel openings therein, each opening in registering alignment with an item on the check list, a cover panel in front of the last mentioned spacing strip having elongated parallel apertures therein which are shorter and narrower than the elongated openings in the spacing strip and in centralized registration with the strip openings to provide a series of elongated parallel item checking lever receiving pockets with restricted outlets, a series of item checking levers, each freely disposed in one of the pockets and having a stem handle projecting through the restricted outlet

of the pocket and a stop-shoulder adjacent its inner end inside of the pocket and bearing against the back of said cover panel to retain the checking lever rockable in the pocket, spring pressed plunger detent means projecting from



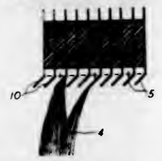
the inner ends of the checking levers toward the bottoms of the pockets to resiliently and slidably engage the same, yieldably retaining the checking levers in tilted position with their stem portions pointed either toward or away from the check list items.

2,498,704
INDUCTION MOTOR
Earl P. Oswald, Oak Park City, Mich.
Application October 9, 1947, Serial No. 778,888
7 Claims. (Cl. 172—275)



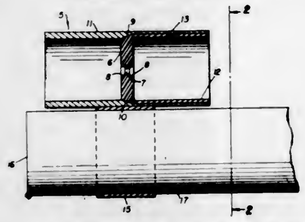
6. A single phase self-starting induction motor comprising a secondary and a primary, one of which constitutes a rotor and the other a stator, said primary having a magnetic structure providing a pole embodying a plurality of projecting teeth and slots between the teeth, said pole having one slot substantially wider than the remaining slots, said wider slot being disposed near the center of the pole but offset from the center in a direction opposite to the direction of rotation of the rotor, said pole having only a single continuous winding disposed in said slots, the number of turns of said winding disposed in said wider slot being substantially greater than the number of turns disposed in any other slot of the pole, the turns in said wider slot extending around teeth in said pole disposed adjacent said wider slot in the direction of rotation of said rotor.

2,498,705
ELECTRONIC COLOR TELEVISION
Louis W. Parker, Little Neck, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1947, Serial No. 758,689
6 Claims. (Cl. 250—164)



1. A luminescent color grid screen for a cathode ray tube composed of a plurality of independent interlaced grid systems, each of said grid systems consisting of mutually insulated electrically conductive line members positioned in parallel arrangement with the line elements of said systems in interlaced juxtapositioned arrangement with corresponding line edges of each line element in substantially one plane, and each of said line members having a luminescent projecting portion whose frontal width substantially subtends the area between two adjacent line elements and electrically in mutually spaced relationship.

2,498,706
SIGHT FOR FIREARMS
Lester J. Pease, Somerset Center, Mass., and Leonard L. Maine, Newport, R. I.
Application November 19, 1946, Serial No. 710,898
1 Claim. (Cl. 33—47)

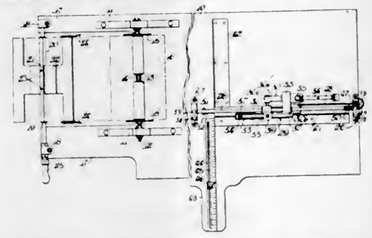


A sighting attachment for gun barrels comprising a sight tube open at both ends, an annular, inclined shoulder provided on the inner surface of the sight tube intermediate the ends thereof, an annular transparent sight plate having a beveled edge engaging the inclined shoulder provided on the inner surface of the sight tube, a removable sleeve slidably engaging the sight tube for holding the beveled edge of said sight plate against the inclined shoulder provided on the inner surface of the sight tube, and means removably securing the sleeve within the sight tube, said plate having a central bore therein, the end portions of the bore being countersunk.

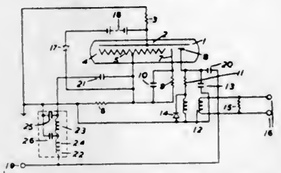
2,498,707
CUTTING MACHINE
Wilbur C. Rachels, Rock Island, Ill.
Application May 7, 1945, Serial No. 592,437
7 Claims. (Cl. 164—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A machine for cutting sheet material coated or impregnated with wax or like substances, comprising a cutting table, a pair of supports carried on said table in longitudinally spaced relation-

ship and including upright portions extending above the upper surface of said table, a longitudinal slide bar carried at its opposite ends in said upright portions of said support, a housing carried by said slide bar for reciprocation thereon longitudinally of said table, said housing including means forming an opening at its under side in close proximity to the upper surface of said table, a rotary cutter journaled in said housing and disposed in a vertical longitudinal plane and extending through said opening in said housing, power means for rotating said cutter, means for reciprocating said housing on said slide bar and including a control for said power means, means including the upper surface of said table for supporting material to be cut, means forming a longitudinal channel in the upper surface of said table over which the sheet of material may be fed and into which the periphery of said cutter may run as said housing is reciprocated on said slide bar, means providing a safety shield disposed adjacent the bottom of said housing at the portion thereof through which said cutter extends, means mounting the safety shield on said housing for yielding upward movement as said housing is reciprocated over the material fed over the aforesaid channel, a guide bar on said table including means for measuring and guiding the material to be cut, and means including an inlet in said housing for supplying to said cutter a medium having a solvent action on the substance with which the material is coated or impregnated.



2,498,708
ELECTRIC COUNTING CIRCUITS
Alec Harley Reeves, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 21, 1948, Serial No. 39,936
In Great Britain July 22, 1947
4 Claims. (Cl. 315—323)

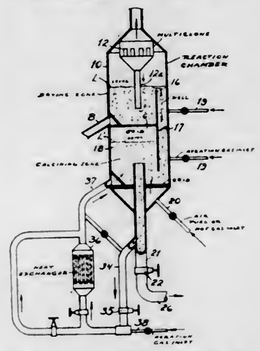


1. A device responsive to recurring pulses of electrical energy comprising a cold cathode gas discharge tube having a first electrode, a second electrode, said electrodes unevenly spaced from each other to define an extended discharge gap therebetween along which a discharge is adapted to spread upon application of successive pulses of a series, a plurality of auxiliary electrodes spaced substantially an equal distance from said first electrode and defining an array of sequentially firing auxiliary gaps therebetween, each having an ionization coupling with the extended discharge gap and an adjacent auxiliary gap, one of said auxiliary electrodes having a member defining a smaller gap with said first electrode than the array of auxiliary gaps, said member in proximity with that portion of said first electrode which is spaced farthest from said second electrode, successive of the auxiliary gaps adapted to be fired upon application of successive pulses of a series.

2,498,709
AROMATIZATION CATALYSTS AND THE PREPARATION THEREOF
Richard M. Roberts, Berkeley, and Frank T. Eggertsen and Bernard S. Greensfelder, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 7, 1947, Serial No. 753,374
12 Claims. (Cl. 252—465)

1. A process for the production of a catalyst having aromatizing properties which comprises impregnating an activated alumina with a nitrate of a metal selected from the group consisting of zinc and copper in an amount corresponding to between 2% and 12% of the metal, calcining the mixture at a temperature between 500° C. and 850° C., then impregnating the mixture with ammonium molybdate in an amount equivalent to between 4% and 20% of molybdenum, and finally converting the impregnated molybdenum to molybdenum oxide.

2,498,710
PROCESS FOR BURNING LIME
Bruno E. Roethell, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 1, 1943, Serial No. 471,073
8 Claims. (Cl. 263—53)



5. An apparatus for the production of lime from materials containing calcium carbonate which comprises a vertical reaction chamber; a perforated bottom for said reaction chamber; a horizontal grid in said recation chamber dividing said chamber into an upper and lower reaction zone while leaving an open space of substantial cross section in its horizontal plane; a vertical baffle within said open space said vertical baffle having a cross section so as to fit snugly into said open space and extending over a substantial length into said upper and lower reaction zones without reaching the upper and lower end

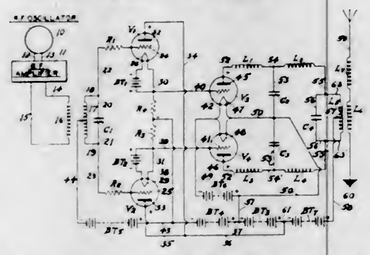
of said vertical reaction chamber, to form a vertical open path leading from said upper to said lower reaction zone; means adapted to admit fluidized finely divided, lime-forming material to said upper reaction zone; means adapted to admit a fuel gas and an oxidizing gas into said lower reaction zone, means adapted to admit a gas into said vertical path; means adapted to withdraw gas upwardly from an upper portion of said upper reaction zone; and means adapted to withdraw fluidized lime downwardly from said lower reaction zone.

2,498,711

HIGH-FREQUENCY AMPLIFIER

George Taylor Royden, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application April 2, 1945, Serial No. 586,055
6 Claims. (Cl. 179—171)



1. In an electrical system for the production with high efficiency of an amplified high frequency current, a pair of amplifier vacuum tubes, each comprising a grid, a plate and a cathode, means for heating the cathode, and means for supplying current to the plate of each tube, in combination, with a plate circuit network associated with said tubes, said network including a common path for each plate current from the respective plates and also a plurality of parallel branches from said common path for each tube, the circuits of said branches having different electric characteristics, whereby each branch will be more favorable to the passage of current waves of a predetermined frequency than will be any other branch associated with the same tube, and means for impressing regularly and alternately on the grids pulsatory grid voltages having a predetermined substantially constant maximum value maintained for more than 90° of each half cycle of the fundamental frequency, whereby a substantially square-top wave comprising a fundamental sine wave and a plurality of the odd harmonics of said fundamental will be developed and maintained in the common path of said plate circuit network and at least one of said harmonics from each tube will freely circulate in the circuit which includes its respective favorable branch of the plate circuit network.

2,498,712

WATER-EMULSION PAINT

Laurence L. Ryden, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 27, 1946, Serial No. 679,877
5 Claims. (Cl. 260—17)

1. A paint comprising an aqueous colloidal dispersion of a polymer composed of a mixture of polymerizable unsaturated hydrocarbons, including at least 15 mole per cent of a monovinyl aromatic hydrocarbon of the benzene series and between 56 and 60 mole per cent of an aliphatic conjugated diolefine of the class consisting of butadiene and isoprene, chemically combined with one another, a pigment added to and admixed with the aqueous dispersion of the polymer, an emulsifying agent and a protective colloid, the polymer being present in amount corresponding to from 15 to 100 per cent of the weight of the pigment.

2,498,713

WITHDRAWN

2,498,714

SELENIUM RECTIFIER

Arthur Mackenzie Searle, London, England, assignor to International Standard Electric Corporation, New York, N. Y.

Application August 2, 1946, Serial No. 687,873
In Great Britain July 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 20, 1965
2 Claims. (Cl. 175—366)



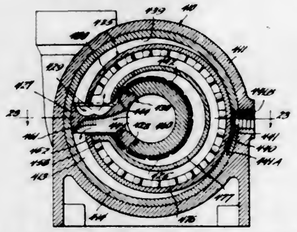
1. A selenium rectifier element that comprises a perforate ceramic supporting member, selenium coating said member and filling the perforations thereof, a metallic bath electrode overlying and making contact with a first part of the selenium coating and a counter-electrode overlying and making electrical contact with another and second part of said selenium coating.

2,498,715

SLIDING VANE PUMP

Erik G. Seastrom, Easton, Pa., assignor to Treadwell Engineering Company, Easton, Pa., a corporation of Pennsylvania

Application March 3, 1945, Serial No. 580,871
28 Claims. (Cl. 103—5)



25. A rotary pump comprising, in combination, a substantially cylindrical casing, an impeller member rotatably mounted within said casing and co-axially therewith, said impeller member comprising a central substantially cylindrical hub forming a substantially annular working space of uniform radius between the hub and the inner circumferential wall of said casing, an eccentrically disposed annular sleeve surrounding said impeller hub, said sleeve being internally tangent to said hub and externally tangent to said inner wall of the casing and free to rotate about its own center with the points of tangency substantially fixed at diametrically opposite sides of the axis of the casing, whereby said working space is divided into two chambers the cross sections of

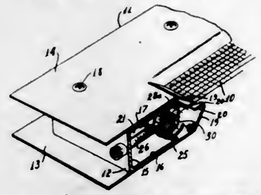
which comprise complementary oppositely facing interlocking lunes, a radially extending vane carried by said hub and constituting the effective moving part of the impeller member, said vane passing through a slot in said sleeve with its outer end having a sliding fit with the inner peripheral wall of the casing, whereby the rotation of the impeller member and the sleeve causes a progressive and alternate division of the respective lune-shaped chambers into successively waxing and waning fluid receiving and fluid discharging portions, the discharging portions in the case of both chambers being in advance of said vane and the receiving portions rearward thereof considering the direction of rotation, means for independently supplying fluid to the fluid receiving portions, said annular sleeve being hollow providing an annular chamber, said chamber opening toward the forward face of the vane to receive fluid from said discharge portions, an exhaust chamber disposed at one end of said working chamber, one end of said sleeve projecting through a slot in the casing communicating with said exhaust chamber, and a plurality of openings in said end of the sleeve for discharging fluid into said exhaust chamber, said openings being provided by intervening streamlined curved partitions so constructed and arranged that said openings are directed tangentially and are of an expanding cross section and serve to direct the fluid into said exhaust chamber to create a centrifugal swirl therein, and means for driving said impeller.

2,498,716

DETENTION SCREEN SUSPENSION

Max Seide, Detroit, Mich., assignor to Chamberlin Company of America, Detroit, Mich., a corporation of Michigan

Application December 31, 1945, Serial No. 638,537
7 Claims. (Cl. 160—378)



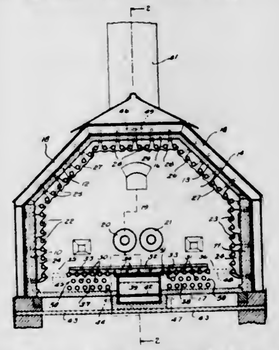
7. A screen of the character described comprising a rigid frame having opposed spaced cover plates and a connecting cross wall attached to said plates and transversely bridging the space therebetween, so as to form an inner peripherally extending chamber, said plates along their inner edges being spaced apart to form an inwardly facing slot opening into said chamber, a screen panel mounted in the opening of said frame with its peripheral edge lying within said chamber, yieldable mounting means for said panel comprising a plurality of holding devices adjustably attached to said cross wall and distributed at intervals around said frame and within said chamber adjacent said peripheral edge of said panel, and a plurality of helical wire springs each having the turns thereof extending around a respective holding device, and each said turn being threaded through said screen panel adjacent said peripheral edge, each said holding device consisting of a relatively short bar of semi-cylindrical contour, and having the curved portion of its surface outturned towards said frame, the radius of curvature of said curved portion being substantially identical with the radius of curvature of said spring.

2,498,717

HEATER

Tracy H. Sherman, South Nyack, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application January 1, 1943, Serial No. 470,974
10 Claims. (Cl. 122—356)



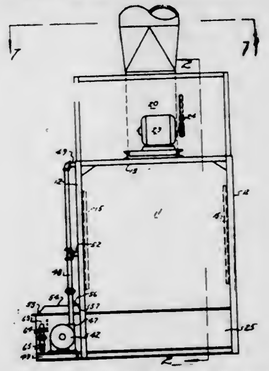
1. Apparatus for heating fluids comprising walls forming a furnace, means for firing the furnace, fluid conducting tubular members adjacent a wall of the furnace, spaced banks of tubular members at the bottom of the furnace spaced from oppositely disposed walls of the furnace, and a baffle above said banks of tubular members having terminal portions spaced from said oppositely disposed walls to provide spaced gas passages in the furnace, the space between the banks of tubular members being in communication with a furnace outlet and providing a gas outlet passage to receive the gases flowing from said banks of tubular members.

2,498,718

AIR WASHER

Wedworth V. Baker, Detroit, Mich., assignor to Detroit Sheet Metal Works, Detroit, Mich., a corporation of Michigan

Application September 20, 1945, Serial No. 617,620
2 Claims. (Cl. 183—13)



1. In an air washer having a housing and a flood sheet therein defining receiving and exhaust chambers on opposite sides thereof, a stack in communication with said exhaust chamber, air suction means in said stack, a fluid tank in said

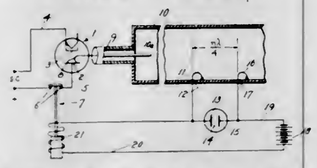
housing below said flood sheet and exhaust chamber, a flood tank adapted to overflow on said flood sheet, a plurality of angularly arranged parallel spaced filters in and extending entirely across the opening in said exhaust chamber, and a secondary flood tank in said exhaust chamber adapted to overflow on and through one of said filters.

2,498,719

HIGH-FREQUENCY PROTECTIVE CIRCUITS

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application June 7, 1947, Serial No. 753,180
8 Claims. (Cl. 250—17)



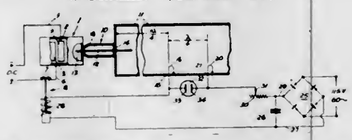
1. A protective system comprising a source of radio-frequency energy of a predetermined wavelength, a radio-frequency transmission line connected to the output of said source, an electrical discharge device connected in series with a source of potential and a circuit-controlling means, said discharge device having a pair of electrodes which cause said device to conduct upon the application thereto of a voltage in excess of a predetermined value, said electrodes being coupled to said line at points separated by substantially an odd number of quarter-wavelengths, said circuit-controlling means cutting off the supply of radio-frequency energy from said transmission line upon actuation by conduction through said device, whereby said supply is cut off from said transmission line upon the occurrence of standing wave peaks on said transmission line in excess of a predetermined value.

2,498,720

HIGH-FREQUENCY PROTECTIVE CIRCUITS

Norman R. Wild, East Natick, and Huston W. Cockrill, Auburndale, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application February 6, 1947, Serial No. 726,914
2 Claims. (Cl. 250—17)



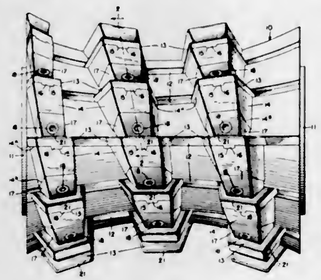
1. A protective system, comprising a source of radio-frequency energy of a predetermined wavelength, controllable means for supplying an operating voltage to said source, a transmission line connected to said source, a pair of gaseous-discharge devices each having a plurality of elements, said devices being coupled to said line at points spaced a quarter of said wavelength apart in such a way that the gaseous atmosphere of either of said devices is ionizable by standing wave peaks in said line to provide a current-conducting path between the elements of the ionized device, means independent of said transmission line for biasing said pair of devices in parallel so that said ionization can occur only above a predetermined value of standing wave ratio in said line; and means coupling said devices in parallel to said controllable means for controlling the same.

2,498,721

HOB

Stephen M. Stafford, Washington, D. C.

Application June 7, 1945, Serial No. 598,188
1 Claim. (Cl. 29—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a hob having a parallel-channeled body, individual supporting cogs erected from the periphery of the body between the channels and offset from each other in helical order, each cog having a substantially radial leading surface parallel with the axis of the body and coincident with the back of the respective channel and having lagging surfaces of which a primary portion is substantially normal to the leading surface of the posterior cog and a rear face portion declines sharply to a juncture with the body spaced forwardly from the posterior channel, a cutting tooth superimposed on said substantially radial leading surface and based on the bottom of the respective channel against the front of which channel the leading surface of the tooth is adapted to be kept for the maintenance of its cutting edge in a predeterminedly oriented cutting position, a wedge shaped to and fitted against the confronting sharply declined rear face portion of a posterior cog and the leading surface of its cutting tooth, the outermost surface of the wedge being substantially plane to said primary portion thereby to provide a common chip relief, the sides of both the cog and wedge having individual tapers revealing a cutting boundary for the posterior cutting tooth, and fastening means driven into the wedge flush with its outermost surface and into the body substantially at the foregoing juncture.

2,498,722

SOLID DIAZO COMPLEXES

James M. Straley, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 4, 1945, Serial No. 603,254
6 Claims. (Cl. 260—67)

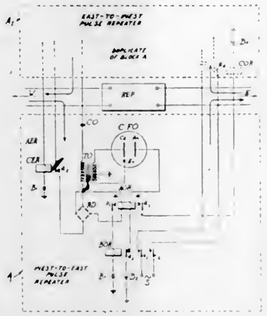
6. The complex salt of an aromatic light sensitive diazo compound and a sulfonated resin selected from the class consisting of sulfonated cumarone-indene resin, sulfonated polybenzyl resin, the formaldehyde condensation product of β-naphthalene sulfonic acid and the polymerized sodium salt of formaldehyde naphthalene sulfonic acid.

2,498,723

SENSITIVE GAS TUBE PULSE RECEIVING AND REPEATING SYSTEM

Clement M. Theillaumas, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 6, 1946, Serial No. 660,269
In France January 7, 1944
5 Claims. (Cl. 179—16)



3. Impulse receiving apparatus comprising first and second transmission lines, means for receiving impulses from the first line and repeating them to the second line, means for receiving impulses from the second line and repeating them to the first line, each of the means for receiving comprising a gaseous discharge tube having a main gap and a control gap, a means for applying received impulses to the control gap to ionize the tube, a local source of potential connected to the tube for energizing the main gap when the tube is ionized, a relay having two windings, means for connecting in series said local source of potential, the main gap and one of the windings for initially operating the relay upon the ionization of the tube, a means for applying the received impulses to the other winding for holding the relay operated for the duration of an impulse, a local source of signaling energy, and a means responsive to operations of the relay for applying impulses from said source of signaling energy to one of the transmission lines in accordance with impulses received from the other, and means responsive when one of the means for receiving is engaged in repeating impulses to prevent the other of them from receiving impulses.

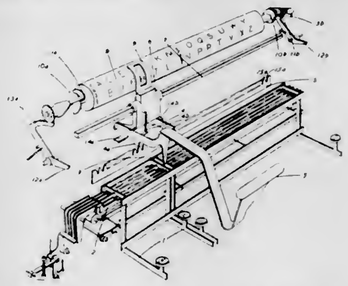
2,498,724

TELEGRAPH TRANSMITTER

Alfred Edward Thompson and Reginald Dennis Salmon, Croydon, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application May 23, 1947, Serial No. 750,108
In Great Britain June 13, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 13, 1961
5 Claims. (Cl. 178—80)

4. A telegraph transmitter comprising a plurality of substantially parallel key bars, a plurality of combination bars selectively displaceable on depressing any of said key bars, said combination bars being adapted to effect the transmission of a signal in teleprinter code corresponding to the key bar depressed, said key bars including a figure shift bar and a letter shift bar adapted to cause the transmission of a figure shift signal and a letter shift signal, respectively, a chariot movable transversely of said key bars, guide means slidably supporting said chariot, a lever extending from said chariot above said key bars, said lever having an extension positionable above a selected key bar and being actuatable to depress a key bar thus selected by means of said extension, a corrector bar extending along the path of travel of said chariot, said bar having teeth adapted to cooperate with said lever so as accurately to locate the latter with respect to a selected key bar, a roller extending along the path of travel of said chariot, a cursor mounted on said chariot for indicating on said roller a character corresponding to the key bar selected,



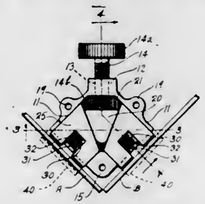
said characters comprising identical rows of letters in the first and third quadrant of said roller and identical rows of figures in the second and fourth quadrant thereof, a first and a second ratchet each secured to said roller and having two teeth 180 degrees apart, the teeth of said ratchets being staggered by 90 degrees, first and second pawls cooperating with said ratchets, respectively, and arms on said lever adapted to engage said first and second pawls, respectively, when said extension is aligned with a respective one of said shift bars, whereby said cursor will be brought into alignment with either letters or figures on said roller depending upon the shift bar selected.

2,498,725

CORNER CLAMP

John L. Thornburg, Bremerton, Wash.

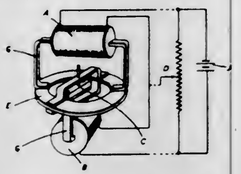
Application September 4, 1945, Serial No. 614,207
3 Claims. (Cl. 113—99)



1. A corner clamp of the character described comprising a housing formed with a pair of relatively rigid flanges outset from the housing and in angular relationship, two guideways formed in the housing and respectively perpendicular to the flanges, clamp jaws mounted in the guideways for movement therein independent of each other toward and from the flanges; said jaws having inner end surfaces in angular convergence, a wedge block slidably contained for advancement in the housing between and slidably engaging said inner end surfaces of said jaws,

and free for lateral shifting in the housing relative to its normal line of advancement, a wedge advancing screw threaded into the housing and engaging the wedge block to effect an inward advancement of the block and an incident clamping movement of the jaws.

2,498,726
DIFFERENTIAL GALVANOMETER MOVEMENT
Stanley Herbert Towner, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 23, 1945, Serial No. 630,426
In Great Britain November 5, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 5, 1963
8 Claims. (Cl. 171—95)



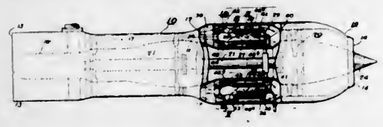
1. An electrically-operated device for indicating angular positions comprising a circularly arcuate strip of magnetisable material, an indicating member centrally pivoted with respect to said arc and having a magnetic pole adjacent to said strip, and electromagnetic means in axially spaced relation to said pivoted member for inducing at fixed positions in said strip magnetic poles of strengths that are variable to control the angular setting of the indicating member.

2,498,727
ISOPROPYL PALMITATE SOLUTION OF LANOLIN COSMETIC
Jack R. Verblen, Chicago, Ill., assignor to Lanolin Plus Cosmetics, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application November 23, 1946, Serial No. 711,823
3 Claims. (Cl. 167—90)

2. A thin stable homogeneous solution having a large lanolin content for cosmetic use on the skin, comprising substantially thirty-five parts of lanolin dissolved in from 53 to 65 parts of isopropyl palmitate, said solution characterized by such extremely low viscosity that a small amount of said solution applied to the skin transfers a substantial amount of lanolin for distribution over a comparatively wide area of the skin.

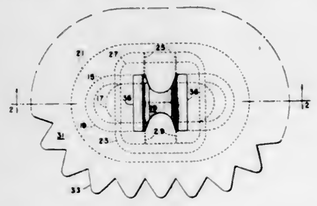
2,498,728
COMBUSTION APPARATUS
Stewart Way, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1948, Serial No. 25,629
6 Claims. (Cl. 60—44)

1. Combustion apparatus comprising hollow casing structure having an air inlet and a fluid discharge outlet, shell structure open at one end to said air inlet for receiving primary air and closed at the opposite end, said shell structure being spaced within said casing structure to form a substantially unrestricted passage through which secondary air can flow from said inlet to said outlet, foraminous liner structure mounted in spaced relation within said shell structure and forming a primary air preheating entryway and a counterflow combustion chamber for processing primary air entering said shell structure from



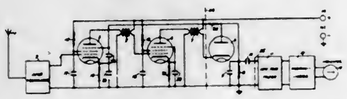
said inlet, fuel supply means associated with said chamber, and discharge communications for directing resultant hot gases from said combustion chamber into the path of secondary air flowing through said passage toward said discharge outlet.

2,498,729
GUIDE PATCH
George V. Whittle, Toms River, N. J.
Application May 8, 1947, Serial No. 746,844
11 Claims. (Cl. 244—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



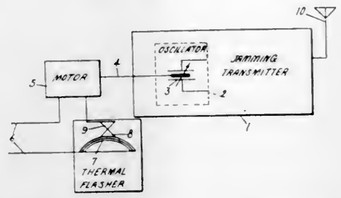
1. A guide-patch comprising a plurality of plies of sheet material of a plurality of shapes, first selected plies being formed into rings, a selected portion of said rings being bonded to adjacent plies, second selected plies being bonded to a selected portion of the internal face surface of said ring-formed plies and to said adjacent plies, and third selected plies being bonded to the face of said second plies distal said ring-formed plies.

2,498,730
THERMIONIC AMPLIFIER CIRCUIT
Herbert Paul Williams, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 7, 1945, Serial No. 603,641
In Great Britain June 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 27, 1964
4 Claims. (Cl. 343—108)



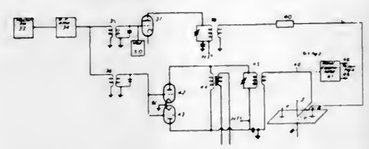
1. An arrangement for translating an electric signal having a recurrence frequency f comprising an amplifier, means for applying signal waves to the input of the said amplifier, means for deriving translated signal waves from the amplifier including means to convert the signal to an intermediate frequency, means for deriving from the output of the amplifier a control voltage whose magnitude varies in accordance with the signal variations of the input waves, and means for applying the said control voltage to control the gain of the amplifier in such a manner that the range of variation of the input and translated signal waves vary in opposite directions over the whole or part of the range of variation of the input level including a time constant small compared to $1/f$ and large compared to the period of the intermediate frequency.

2,498,731
RADIO JAMMING DEVICE
Harry Wilkie, Dayton, Ohio
Application January 23, 1945, Serial No. 574,158
3 Claims. (Cl. 250—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



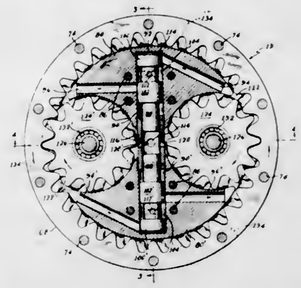
3. In a radio transmitter of the character described comprising in combination means for frequency modulating the transmitted signal, cyclic means to vary said frequency modulating means and a thermo acting device in the input circuit of said cyclic means actuated by the energy input to said cyclic means, whereby the repetition rate of a cycle of said cyclic means is made erratic.

2,498,732
RADIO NAVIGATION SYSTEM
Eric Osborne Willoughby, Aldwych, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 11, 1945, Serial No. 610,364
In Great Britain August 11, 1944
9 Claims. (Cl. 343—107)



1. A radio navigational system for defining a path or course by two overlapping radiation diagrams commutated to produce complementary signals on either side of the course respectively, comprising a first source for providing energy at side band frequency of an amplitude modulated carrier wave, a second source providing energy having an unmodulated carrier frequency wave, an antenna system including a conducting plate, antenna means located above said plate, and antenna means below said plate, means for coupling said sources respectively to different of said antenna means, and means for commutating at least one of said sources with respect to said antenna system, whereby the resulting patterns are oscillated about a desired course line in complementary signal fashion.

2,498,733
GEAR PUMP TYPE VARIABLE SPEED LIQUID DRIVE
Martin W. Boxer, Bronx, N. Y.
Application August 9, 1947, Serial No. 767,823
20 Claims. (Cl. 192—61)

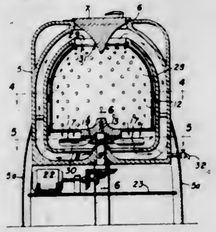


1. In a liquid drive device of the type described having a drive assembly in operative association with a driven assembly, the improvement comprising a drive assembly containing a drive shaft integrally secured to an end drive plate, a pair of spaced drive gears rotatably supported by the drive plate, a pair of cylinder blocks integrally secured to the drive plate adjacent the drive gears, the drive gears and cylinder blocks being arranged in alternate sequence, a cylinder in each block extending radially from the axis of the drive shaft, an inlet conduit extending through each block from the pressure side of one adjacent drive gear to the head of the cylinder in the block, an outlet conduit extending through each block from a point intermediate the ends of the cylinder to the suction side of the other drive gear, a piston in each cylinder, each piston being provided with an enlarged outer head and an intermediate enlarged side head spaced and adapted simultaneously to close or open the conduits in its block, each piston also being provided with a passageway extending through the outer head to the space in the cylinder between the two piston heads, the piston stem and the cylinder wall; and a driven assembly containing a driven shaft integrally secured to an end driven plate, and a driven annular ring gear integrally secured to the driven plate, the ring gear being adjacent to the cylinder blocks and in mesh with the drive gear.

2,498,734
WASHING AND DRYING MACHINE WITH FLUID IMPELLER
Louie P. Bozanich, Seattle, Wash.
Application August 6, 1948, Serial No. 42,903
5 Claims. (Cl. 68—148)

1. In a machine for washing clothes and the like, in combination, a tub for containing a washing liquid, a perforated wash containing basket mounted in said tub for rotation about its vertical axis, a horizontal screw impeller rotatably mounted in said tub beneath said basket and

having radial blades rotatable about their longitudinal axes, and power operated means to rotate

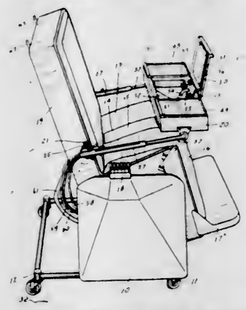


said basket and said impeller and to rotate the impeller blades about their longitudinal axes.

2,498,735
ELECTRONIC AGING OF ALCOHOLIC BEVERAGES
Arno Brasch, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation, New York, N. Y., a corporation of Delaware
No Drawing. **Application December 26, 1947, Serial No. 794,433**
17 Claims. (Cl. 99—48)

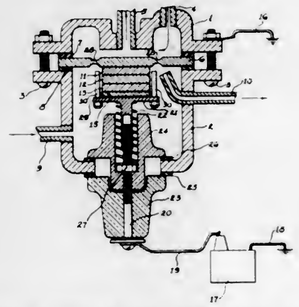
1. Method of aging and otherwise improving an alcoholic beverage, without developing harmful side effects by bombarding the same with high speed electrons of a velocity equivalent to more than one million volts during at least one very short time period lasting less than 10^{-4} of a second.

2,498,736
LAVATORY AND LIKE FOR ARTICULATED BEDS
Robert R. Freund, Mount Carmel, Ill.
Application August 11, 1944, Serial No. 548,981
3 Claims. (Cl. 4—169)



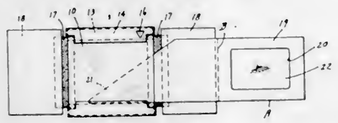
1. In a sanitary fixture the combination of a pair of appreciably spaced outwardly directed relatively stationary pivots, a pair of parallel arm structures disposed outwardly thereof and at corresponding ends being pivotally supported by said pivots, a toothed arcuate member carried by one arm structure at the pivoted end and coaxial with the pivot axis, a locking tooth movable radially with respect to the pivot axis for selective engagement with the toothed member for arm locking purposes, a fixture of a length approximately that of the distance between pivots, and a pair of aligned pivots interposed between the ends of said fixture and the other ends of said arm structures.

2,498,737
ELECTROMECHANICAL TRANSDUCER
Charles Revell Holden, deceased, late of Altadena, Calif., by Cora E. Holden, executrix, Altadena, Calif., assignor to William H. T. Holden, New York, N. Y.
Application June 7, 1946, Serial No. 675,272
36 Claims. (Cl. 259—1)



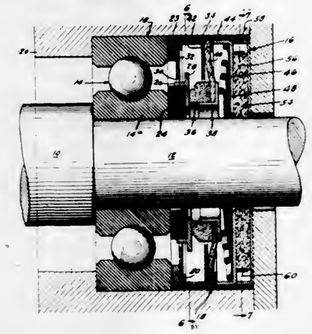
1. In a piezo-electric transducer, a metallic housing comprising two sections, a plate of piezo-electric material yieldingly clamped between said sections, annular grooves on both sides of said plate circumscribing a central area thereof and increasing the freedom of movement of said central area with respect to the remainder of said plate, a plurality of disc-shaped piezo-electric members of substantially identical dimensions and piezo-electric properties stacked upon each other and in contact with one side of said circumscribed area of said plate, a terminating piezo-electric disc in contact with said stack of discs of substantially the same diameter and piezo-said first-named discs, an electrically conduct-electric properties but one half the thickness of ing coating completely surrounding said terminating disc, an electrode yieldingly engaging said conducting coating, a source of high-frequency energy having two terminals, conductors connecting one of said terminals to said electrode and the other of said terminals to said metallic housing, means for circulating an electric conductive cooling and insulating fluid in and about the section of said housing containing said discs, and means for circulating a fluid to be treated in and about the other section of said housing.

2,498,738
PICTURE SLIDE MOUNT
George K. Lewis, Chicago, Ill., assignor to Three Dimension Company, Chicago, Ill., a copartnership
Application November 19, 1945, Serial No. 629,572
6 Claims. (Cl. 40—158)



6. In a picture slide for projectors comprising spaced plates permanently secured along their upper and lower edges and having their end edges open and protected by adhesively coated binding strips with separable flaps, the method of mounting therein a framing mat carrying a picture film consisting in folding said flaps and binding strips outwardly away from said plates to expose the open end edges thereof, threading a leader strip secured to said mat between the spaced plates to draw and position the mat therein, separating said leader strip from the mat, separating said flaps from their respective strips, and securing said freed strips over and about the edges of said plates to seal the mat and film within the slide.

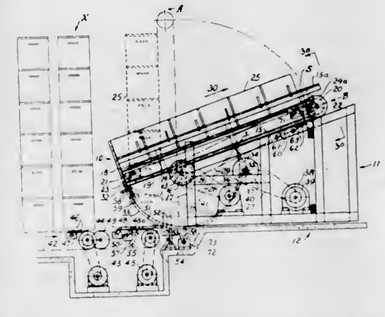
2,498,739
BEARING SEAL
Charles D. Magnesen, Chicago, Ill., assignor to Modern Design Products Company, Chicago, Ill., a corporation of Illinois
Application January 17, 1946, Serial No. 641,803
3 Claims. (Cl. 286—11)



1. A bearing seal unit comprising a cylindrical housing having end walls with an axial opening therethrough, said housing adapted to be telescoped over a shaft, a rotatable ring member extending axially through the opening in one end wall of said housing, said ring member adapted to frictionally bear against a radial surface substantially normal to and turning with the shaft, said ring member having a portion located in said housing and extending radially beyond the opening in one of the end walls of said housing, a non-rotating ring member within said housing axially and slidably engaging said rotatable ring member, a flexible wall fixedly mounted within said housing and supporting said non-rotating ring member radially, a backing plate forming part of said housing, and independent spring means arranged between said backing plate and said flexible wall to urge said non-rotating ring member against said rotatable ring member.

2,498,740
APPARATUS FOR HANDLING STACKED CONTAINERS
Walter E. Miller, Placentia, Calif., assignor, by mesne assignments, to Brogdex Company, Pomona, Calif., a corporation
Application May 2, 1946, Serial No. 666,667
11 Claims. (Cl. 214—1.1)

1. Apparatus for handling stacked boxes or the like, which comprises a stack receiving and discharging unit mounted for swinging movement about a horizontal axis between a relatively upright stack-receiving position and a reclining position for stack discharge, an electric motor and driving connections operable to turn said unit from either position into the other; discharge conveyor means adapted to move a stack longitudinally of said unit to discharge individual boxes therefrom successively, an electric motor and means for driving said conveyor means therefrom; other conveyor means operable to advance a plurality of stacks of boxes toward said unit and to feed the stacks thereto one at a time, and an electric motor for driving such other conveyor means; in combination with operating power circuits for the several motors; said combination including: a control member responsive to arrival of said stack substantially at said stack-receiving and discharging unit to interrupt the power circuit of the stack-advancing conveyor motor and complete the power circuit of the unit-driving motor, whereby said unit is actuated to swing toward its reclining position; means re-

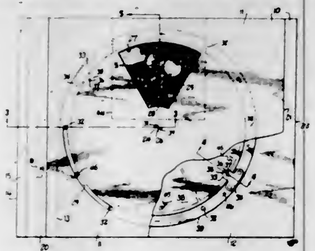


sponsive to the arrival of said unit and the stack supported thereon substantially at said reclining position to interrupt the power circuit of said unit-driving motor and close the circuit of the discharge conveyor motor, part of said last-named means being released upon passage of the last box of the stack from said unit to again complete the power circuit of said unit-driving motor for starting swinging movement of said unit back to stack-receiving position, another part of said last-named means being released by such return movement of said unit to interrupt the power circuit of said discharge conveyor; said stack-advancing control member being adapted and arranged for actuation again by said unit near the end of the return movement thereof to interrupt the power circuit of said unit-driving motor and complete the circuit of said stack-advancing conveyor motor.

2,498,741
PHOTOGRAPHIC PRINTING MASK
Paul A. Sperry, New Haven, Conn.
Application June 26, 1946, Serial No. 679,475
4 Claims. (Cl. 95—2)

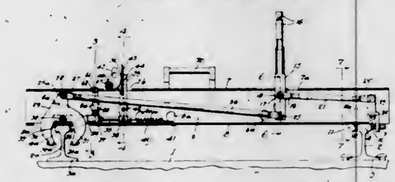
1. A printing mask comprising a front cover-member and a back cover-member, said front cover-member having a window, movable-means mounted between said back cover-member and said front cover-member for supporting a medium embodying a light-sensitive emulsion, means to index said movable supporting-means relative to said window, so as to successively expose limited areas only of said light-sensitive emulsion, and registration means comprising sheet material secured at one edge to the corresponding edge of one of said cover-members, said sheet material being displaceable from and replaceable between

said cover-members and arranged to overlie said medium and to underlie said window to register



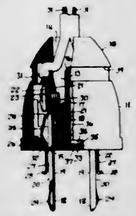
the images of mediums supported successively on said movable-means.

2,498,742
GAUGING TOOL
Henry H. Talboys, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 15, 1946, Serial No. 662,175
14 Claims. (Cl. 254—43)



1. In a track gauge, a gauge body adapted to span the rails of a track, an abutment fixed in relation to said body, adapted to be opposed to an inner face of a rail fixed on the track, a gauge member, movably located on said body, and including an end portion adapted to engage the inner face of a loose rail, means for initially urging said fixed abutment against the inner face of the fixed rail and means for thereafter urging a loose rail against said gauge member.

2,498,743
SELF-LOCKING ELECTRICAL CONNECTOR
Lucien Theriault, New Haven, Conn.
Application December 28, 1946, Serial No. 719,049
5 Claims. (Cl. 173—361)



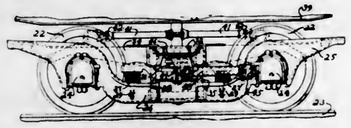
4. A self-locking electrical connector, including in combination: an inner body-member; a linear contact-member carried by and projecting from the said body-member; an advanceable-and-retirable locking-finger located adjacent the projecting portion of the said contact-member laterally and movable laterally with respect thereto and constructed and arranged to engage with another electrical-member to releasably couple the connector thereto; a spring-member carried by the said contact-member and projecting from the said body-member to one side of the said contact-member, the said spring-member in turn carrying the said locking-finger and pre-set to yieldingly urge the latter laterally away from the said contact-member; and a reciprocating operating-sleeve mounted upon and substantially completely laterally encircling the exterior of the said body-member and slidable with respect thereto in a direction substantially lengthwise of and also with respect to the said contact-member and spring-member, the said operating-sleeve having interior cam-means independent of and movable with respect to the said contact-member and spring-member and constructed and arranged to move the latter in the direction to move its said locking-finger laterally toward the said contact-member.

2,498,744
ANTENNA EQUALIZER
Barnet S. Trott, Brooklyn, N. Y., assignor to Garod Radio Corporation, Brooklyn, N. Y.
Application August 1, 1946, Serial No. 687,547
8 Claims. (Cl. 250—33)



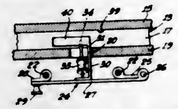
1. In a radio receiver having metallic parts and an antenna circuit, an antenna movable to a plurality of positions, one of which is in proximity to the metallic parts, mechanically movable means actuated by moving the antenna into the last named position for increasing the effective inductance of the circuit of the antenna by an amount sufficient to compensate for the decrease in inductance when the antenna is in proximity to the metallic parts, said means comprising a circuit including an inductance coil, the coil having no appreciable mutual inductance with the antenna.

2,498,745
LINK STABILIZED RAILWAY TRUCK
William Van Der Sluys, Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 4, 1943, Serial No. 497,281
12 Claims. (Cl. 105—194)



1. In a railway truck, wheels and axles, equalizing members on opposite sides of the truck supported by said axles, a bolster member spring-supported on said equalizing members and received therein but free of direct engagement therewith, and a horizontally disposed anchor connected to and extending between an equalizing member on one side of the truck and the bolster member, the connections between the anchor and the equalizing member and the bolster member including resilient means to cushion forces transmitted between the equalizing member and the bolster member, the anchor at one end having a wide portion for connection to one of said members and a substantially narrow portion for connection to the other member, whereby the equalizing member to which the anchor is connected is held against substantial movement relative to said bolster member longitudinally and transversely of the truck while accommodating relative vertical movement between them.

2,498,746
MAGNETIC SOUND RECORDING APPARATUS
Joseph B. Walker, Hollywood, Calif.
Application December 19, 1944, Serial No. 568,846
9 Claims. (Cl. 179—100.2)



1. In a device of the character described, a tape, a reel for the tape, a transmitting unit to register a sound record on the tape, and means for supporting the transmitting unit for movement radially of and perpendicularly to the reel comprising a pair of guide rods disposed parallel to the reel and a bar, a double hinge connecting one end of said bar to one of said guide rods, and means to latch the opposite end of said bar to the other of said guide rods.

2,498,747
ELECTROMAGNETIC DEVICE AND METHOD OF MAKING THE SAME
David E. Wiegand, Zanesville, Ohio, assignor to McGraw Electric Company, a corporation of Delaware
Application September 20, 1944, Serial No. 554,945
4 Claims. (Cl. 175—356)



1. A core construction for a three phase transformer comprising three cores each having two straight leg portions joined by end portions, said cores being closed cores formed of wound magnetic ribbon, the end portions being arched outwardly in a smooth and gradual curve, said cores being arranged with the straight leg portions of each core arranged in parallelism with, and in close proximity to, straight leg portions of the other two cores and with the ribbons in adjacent straight leg portions having substantially edge to edge contact.

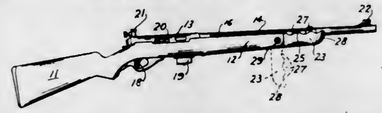
2,498,748
ORNAMENTAL EAR CLIP
Margaret Barron, Brooklyn, N. Y.
Application April 25, 1947, Serial No. 743,763
1 Claim. (Cl. 63—14)

An ornamental ear clip for attaching against the front face of an external ear of a wearer comprising a decorative member extending from the helix to the lobe of the ear shaped approximately to conform with the edge contour of the free portion of said ear for resting flatwise on said front face, a flexible free-ended wire element extending along the region of the rear side of the antihelix of the ear when in effective position in approximately parallel relation to said decorative member and bent to conform to variations in the contour of said regional rear side, said element extending over the top of the ear helix and



connecting with said decorative member substantially midway of the top portion thereof, the portion of said element extending over the helix adjacent said connection forming a seat for the ear clip spaced from the upper jointure of the ear and head, the major portion of said element including the free end thereof grippingly engaging the ear between the element and decorative member at a plurality of points along said antihelix region so constructed and arranged to solely retain the ear clip in said seated position.

2,498,749
FOREARM FOR FIREARMS
Carl H. Benson, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application August 21, 1947, Serial No. 769,859
4 Claims. (Cl. 42—71)

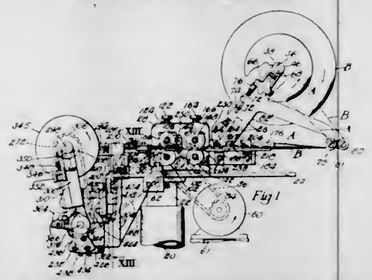


1. A utility forearm for a firearm comprising a forearm part having a vertical groove formed in its forward end, a forearm tip having a tongue upon its rear end to fit into the groove in said forearm part, a pivot pin extending through the forward end of said forearm part and the tongue on said forearm tip, and a spring pressed plunger, carried by said forearm part in a bore therein, the axis of said plunger being below the axis of the pivot pin, in engagement with the rear end of the tongue to urge the forward end of the forearm tip upwardly.

2,498,750
PLASTICIZED CELLULOSE PROPIONATE
Leo S. Birnbaum, Newark, John H. Prichard, Springfield, and Walter D. Paist, Orange, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 9, 1946, Serial No. 708,942
5 Claims. (Cl. 106—181)

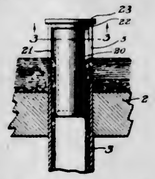
1. A thermoplastic composition of matter consisting of cellulose propionate having from 0.2 to 0.4 free hydroxyl groups therein per glucose unit plasticized with from 4.5 to 23% by weight of a plasticizer selected from the group consisting of di-butoxyethyl adipate and di-hexyloxyethyl adipate.

2,498,751
MACHINE FOR MAKING RIBBED STRIPS FOR INSOLES
Alfred S. Clark, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 11, 1948, Serial No. 64,785
39 Claims. (Cl. 154—1.8)



1. A machine for making ribbed strips adapted for attachment to insoles to provide sewing ribs thereon having, in combination, means for operating upon a plurality of strips to form a composite strip having a rib thereon with flanges projecting laterally from opposite sides of the rib, means for supplying strips of indefinite length to the operating means, and means for withdrawing said strips from the supplying means and moving them continuously past said operating means.

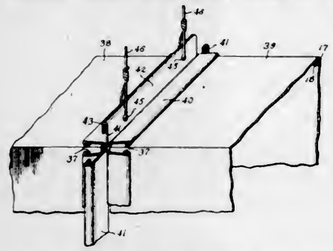
2,498,752
TUBULAR FALLING-FILM EXCHANGER
Norman A. Copeland, Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 30, 1944, Serial No. 570,588
5 Claims. (Cl. 257—56)



1. In a falling-film tubular exchanger having an upper tube sheet and an upright heat exchanger tube terminating above said tube sheet, said tube having an opening through the wall thereof above the tube sheet for admitting liquor thereto; of an ejector for preventing intermingling of liquid and gas where the liquid discharges into said tube which comprises a wall member facing the inside wall of the tube for forming a duct extending lengthwise of the tube and overlapping the portion of the tube having said opening, and means for maintaining the wall member in place.

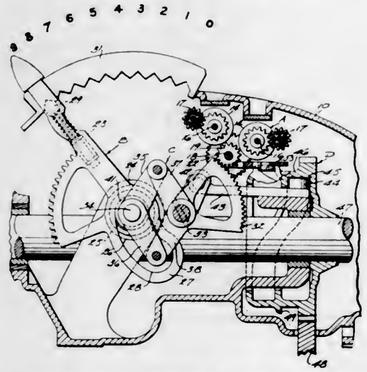
2,498,753
DUCT OR THE LIKE
Frank Deitsch, Fort Thomas, Ky.
Application March 22, 1947, Serial No. 736,518
3 Claims. (Cl. 285—201)

1. In a device of the class described, the combination of a tubular duct section having opposite ends, at least one of which ends includes a series of keeper lugs, a coupler frame of approximately the same cross-sectional shape as the duct section, means duplicated and reversed upon the coupler frame for accommodating and gripping the keeper lugs of two axially aligned duct sections, stiffener means detachably attached to the



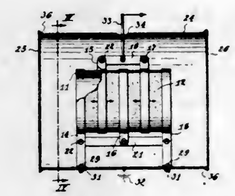
coupler frame transversely of the duct section, said stiffener means having a pair of legs, one of said legs being disposed within the coupler frame for stiffening the frame, the other of said legs extending outwardly from the duct sections, and means on the outwardly extending leg for supporting the duct sections.

2,498,754
VALUE SETTING REGISTER ACTUATING DEVICE
Elbert Fowler, Mount Vernon, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware
Application July 23, 1947, Serial No. 762,858
3 Claims. (Cl. 235—81)



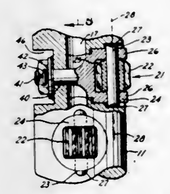
1. In a register actuating device, an accumulator wheel, a toothed segment member geared to said accumulator wheel, a value setting member having a cam portion associated therewith, differential means comprising a parallel linkage structure having one point connected with and controlled by the cam portion and having the actuating point thereof arranged to control the position of the toothed segment, an oscillating drive for said differential lever means, whereby the segment member is rocked in accordance with the differential movement of the parallel linkage structure as controlled by the position of the cam in each value position, and means to disconnect the geared connection between the accumulator wheel and segment member after the selected value has been accumulated in the accumulator wheel.

2,498,755
NONINDUCTIVE RESISTOR ESPECIALLY ADAPTED FOR HIGH-FREQUENCY POWER
Norman C. Fulmer and Julien J. Mason, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1946, Serial No. 692,088
13 Claims. (Cl. 201—63)



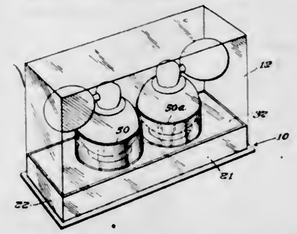
1. A resistor comprising an insulative support, a plurality of coplanar resistance elements as coatings thereon, and leads connecting said coatings in parallel so that when in use the current in adjacent coatings flows in opposite directions to cancel self-induced fields.

2,498,756
REAMER
Ford W. Harris, Los Angeles, Calif.
Application May 20, 1946, Serial No. 670,932
10 Claims. (Cl. 255—74)



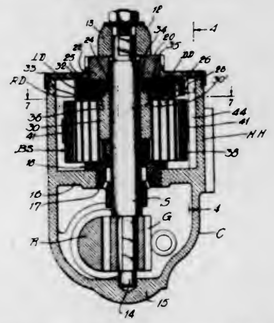
9. A cutter carrying member adapted to be carried in the body of a tool having a fluid carrying passage extending therethrough, said cutter carrying member comprising: a cutter holding body of cylindrical form and of sufficiently small diameter to be readily inserted in a cylindrical cavity in the body of the tool, said cavity being so placed that fluid flowing in said fluid carrying passage can also pass through said cavity; a cylindrical bolt having its inner end secured to said cutter holding body and its outer end projecting outside said body through a bolt opening in said body of said tool, the cylindrical outer surface being concentric with the axis of said cutter holding body, said bolt passing through said passage in said tool holder body but being of insufficient diameter to entirely block the flow of fluid through said passage; cutting means on the outer end of said cutter holding body; and fastening means outside said body so secured to the outer end of said bolt as to prevent said cutter holding body from being withdrawn from said body of said tool when the fastening means are so secured to the outer end of said bolt.

2,498,757
PACKAGE CONTAINER AND DISPLAY STAND
Fred R. High, Attleboro, Mass., assignor to T. J. Holmes Co., Inc., Chartley, Mass., a corporation of Massachusetts
Application October 7, 1949, Serial No. 120,079
8 Claims. (Cl. 206—45.19)



1. A combined packaging container and display stand for an article of merchandise comprising a box, a false bottom in said box, a cut-out in said false bottom for receiving an article support, and an article support inserted in said cut-out, said article support comprising a hollow band having an outside contour approximating the contour of said cut-out and a height approximating the distance between the bottom of the box and the under-surface of said false bottom, said band being supported on the bottom of said box with its axis extending vertically, and a transparent tube having one end thereof fitted over said band and the other end thereof extending upwardly through said cut-out, said support being adapted to receive an article of merchandise having a dimension substantially equal to a cross-dimension of the transparent tube in a position within and frictionally contacting the walls of said tube.

2,498,758
DOOR CHECK AND CLOSER
John Hines, South Norwalk, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application July 29, 1946, Serial No. 686,804
12 Claims. (Cl. 16—52)



1. A door check for cushioning the closing of a door, a shaft within said check, a normally unwound spiral spring about said shaft, keeper means for retaining the inner end of said spring, means about said shaft for retaining the outer end of said spring, rotatable means responsive to the opening of said door for actuating said

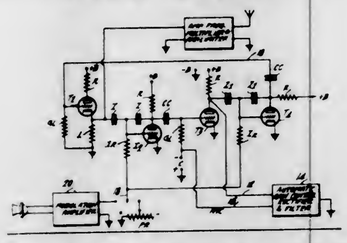
keeper means for winding up said spring from said inner end, and means independent of said rotatable means for actuating the latter for winding up said spring from said outer end.

2,498,759

WIDE BAND OSCILLATOR AND MODULATOR

Nathaniel I. Korman, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 24, 1947, Serial No. 736,693
12 Claims. (Cl. 332—22)



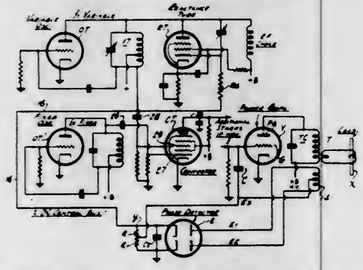
1. In an oscillation generator, a plurality of alternating voltage amplifiers and phase shifters in a ring circuit, the phase shifters operating together to impart to alternating voltages of a selected frequency set up in said ring circuit, a phase shift of substantially 360°, automatic gain control means for an amplifier of said ring circuit, said means being responsive to voltages generated in said ring circuit to maintain a gain of unity or more therein, and means for varying the phase shift produced by said phase shifters to vary the frequency of the alternating voltage at which the said 360° phase shift is established.

2,498,760

RADIO-FREQUENCY POWER GENERATOR

Alexander Kreithen, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1946, Serial No. 713,218
3 Claims. (Cl. 250—36)



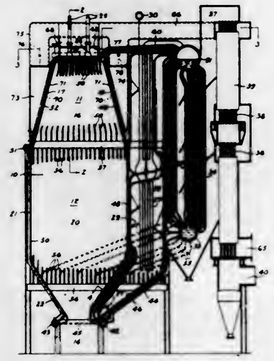
1. In apparatus for generating radio frequency power for induction heating and like industrial purposes and applying the same to objects being worked on in a work circuit the reactance of which may change, a source of oscillations, a power amplifier having input electrodes coupled to said source of oscillations to be excited thereby and having output electrodes coupled to said work circuit by a fixedly tuned coupling which matches the impedance between said output electrodes to the work circuit, and means for rematching said impedance and work circuit when variations in the work circuit reactance cause mis-matching, including a phase detector excited by the energy used to excite said input electrodes and by energy from the output of said amplifier, and tuning means in said source of oscillations controlled by potentials developed by current in said phase detector, whereby the source frequency follows the frequency at which said fixed tuned coupling resonates.

2,498,761

FUEL BURNING APPARATUS

Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application March 21, 1945, Serial No. 583,959
4 Claims. (Cl. 122—235)



1. Fuel burning apparatus comprising walls forming an ignition chamber and including a front wall and a rear wall, and means to project fuel downwardly into the ignition chamber for combustion in suspension, the front wall sloping downwardly and forwardly and the rear wall sloping downwardly and rearwardly, the said front and rear walls including water tubes and blocks of refractory material mounted on the water tubes to shield them from the heat of the combustion, and the said blocks being shaped to provide openings for the admission of air to the fuel from opposing directions.

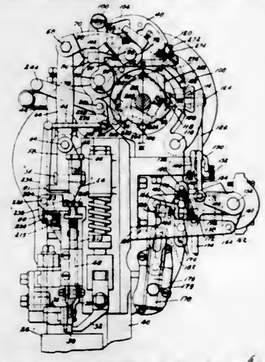
2,498,762

SOLE FITTING MACHINE

Lawrence Mawbey, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 20, 1947, Serial No. 755,861
In Great Britain July 13, 1946
7 Claims. (Cl. 12—27)

3. A channeling machine for operating upon soles comprising a channeling knife, a main shaft, mechanism driven by said main shaft for oscillating said channeling knife to cause it to make cutting and feeding strokes, a secondary shaft geared to the main shaft, a plurality of cams of different characteristics driven by said secondary shaft, a cam follower selectively engageable with said cams, a slashing knife arranged to make cuts in the area operated upon by the channeling knife, mechanism controlled by said cam follower for operating the slashing knife periodically in timed relation to the oscillations of the channeling knife, and means for selectively engaging said cam follower with any one of said cams to cause the slashing knife to be operated periodically, the ratio between the



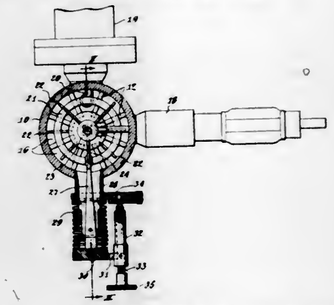
operations of the slashing knife and the oscillations of the channeling knife being dependent upon the cam selected.

2,498,763

MAGNETRON

John W. McNall, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 15, 1944, Serial No. 540,453
11 Claims. (Cl. 250—27.5)



1. In a magnetron having a circular series of cavity resonators, and having intervening walls separating said resonators, tuning means for said magnetron comprising a vane within one of said resonators and extending in the same general direction as the said intervening walls bounding that one of said resonators and movable in its entirety in parallelism to itself to closer proximity to one intervening wall than to the other intervening wall of the resonator in which said vane is located.

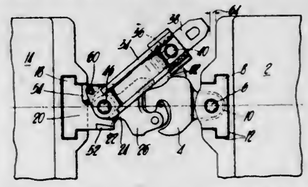
2,498,764

COMBINATION COUPLER

Frederic Meier, Chicago, Ill., and Chester H. Rittenhouse, Hobart, Ind., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application November 5, 1946, Serial No. 707,902
4 Claims. (Cl. 213—112)

1. A combination coupler for connecting a railroad car or the like selectively to a car provided with a railroad knuckle type coupler or a car provided with a link and pin type coupler, which combination coupler comprises a drawhead fastened to said first named railroad car, a railroad knuckle type coupler fastened to said drawhead, a yoke pivotally mounted on said drawhead and extending outwardly therefrom beyond said last named coupler, said yoke surrounding said



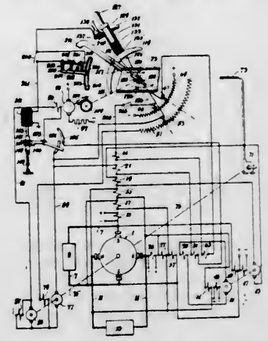
last named coupler and being movable in a horizontal plane therearound from inoperative to operative position, a link fastened to said yoke and extending outwardly therefrom, stop lugs on said drawhead for limiting the swing of the yoke to its operative and inoperative positions, and means for holding the yoke in its inoperative position.

2,498,765

METADYNE GENERATOR AND PRIME MOVER CONTROL

Joseph Maximus Pestarini, Staten Island, N. Y.

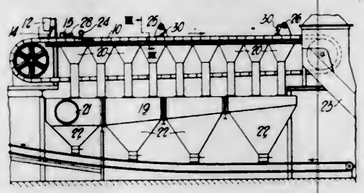
Application October 7, 1946, Serial No. 701,793
34 Claims. (Cl. 290—40)



12. In a dynamoelectric machine having an armature, a commutator for said armature, and means for effecting rotation of said armature, the combination therewith of a set of primary brushes associated with said commutator and connectible to an exterior circuit, a set of secondary brushes associated with said commutator and connectible to a separate exterior circuit, said secondary brushes respectively being interplaced between said primary brushes about said commutator, variator windings respectively associated with said primary and said secondary brushes and having their effective magnetic axes respectively extending substantially in line with the axes of the fluxes which are developed by the currents flowing through the armature between said primary brushes and between said secondary brushes, means for connecting said variator windings respectively across selected sources of direct current potential difference having predetermined characteristics to determine the currents flowing in said circuits, said variator windings comprising regulator variator windings re-

spectively associated with said primary and said secondary brushes and having their effective magnetic axes extending respectively substantially in line with the axes of the fluxes which are developed by the currents flowing through the armature between the primary brushes and between the secondary brushes, a regulator direct current generator operatively connected to said means for effecting rotation of said armature to rotate in a predetermined relation thereto, said regulator variator windings being connected in series with each other and being connectible in series with said regulator generator, a direct current generator electrically connected in opposed relation to said regulator generator and operatively connected to said means for effecting rotation of said armature to rotate in a predetermined relation thereto, an oscillatable relay having an excitation winding connected in series with said regulator generator and with said opposed direct current generator, and means for varying the speed of said armature, said oscillatable relay being operatively connected to said means for varying the speed of said armature so as to operate said means to and fro to maintain said speed within a predetermined range of variation.

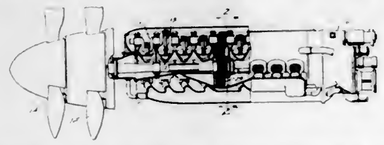
2,498,766
METHOD FOR CONTROLLING DUST IN SINTERING OPERATIONS
Wilbur H. Pettigrew, Hobart, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application January 15, 1948, Serial No. 2,388
5 Claims. (Cl. 75—5)



1. In the sintering of blast furnace flue dust, wherein a relatively thin combustion zone is maintained through the length of a moving sinter bed and combustion is supported by a down-draft of air through the bed, the improvement which comprises adding moisture to the bed at a plurality of locations spaced through the length thereof as combustion proceeds to maintain the moisture content of the unsintered material in the bed beneath the combustion zone at least 14 percent throughout and not greater than 17 percent proximate to the combustion zone.

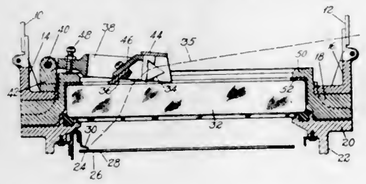
2,498,767
GEARING FOR DRIVING COAXIAL SHAFTS
Hubert S. Phelan, Berkley, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 19, 1944, Serial No. 540,926
14 Claims. (Cl. 74—665)

1. In combination, a casing, a driving shaft mounted in the casing, and a driving gear mounted on the driving shaft, and a driven gear positioned within the casing, and a unit removably mounted in the casing for establishing drive between the gears, said unit comprising gear means including flexibly connected gear members meshing with the aforesaid gears and a housing journalling the gear means and extending partially into an interior recess in the casing and being open at one side to provide access of the gear



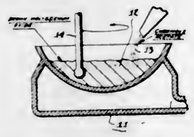
means to the driving and driven gears and fastening elements for securing the unit in the casing and extending to the exterior of the casing.

2,498,768
PELORUS HAVING ADJUSTABLE PRISM AND REFLECTION SHIELD
Harry Phillips, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 16, 1946, Serial No. 697,275
1 Claim. (Cl. 88—2.3)



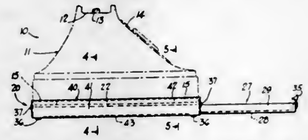
In a pelorus, forward and rear sighting members, bearing indicating means, a closure for the bearing indicating means comprising a body and a panel through which the indicating means is visible, a prism through which an observer reads said indicating means, a shield comprising a flexible member arranged in contact with the panel and positioned between the prism and the rear sighting member, a holder for mounting the prism and the shield in predetermined relation to each other and to the panel, means mounting said holder for movement toward and from the panel, and means for adjusting the holder to bring the prism into the line of sight of an observer.

2,498,769
MANUFACTURE OF ALLOYS
John H. Ramage, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1944, Serial No. 559,693
4 Claims. (Cl. 75—22)



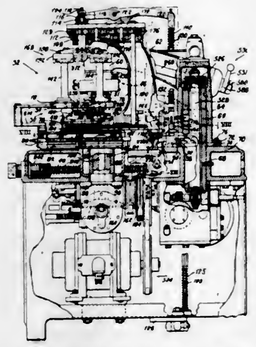
1. The method of forming an alloy of a metal selected from the group consisting of molybdenum, tungsten and mixtures thereof, with such a proportion of chromium that its melting point will be above 90% of that of the selected metal as measured in degrees C., for protection against oxidation at elevated temperatures, comprising forming an intimate mixture of an oxide of the selected metal with a solution of a salt of chromium in the amount to give the proportion referred to, drying the mixture and heating it in a reducing atmosphere at a relatively low temperature to produce the selected metal with an oxide of chromium well-distributed therethrough, pressing said mixture sufficiently to allow for handling the formed articles, treating said formed articles in a wet reducing atmosphere at a temperature between 1600° and 1680° C. to produce a well-sintered mass of metal, with some reduced chromium, and finally treating the pressed mass in a dry reducing atmosphere at a temperature between 1600° and 1680° C. to hasten the complete reduction of chromium and its alloying with the selected metal.

2,498,770
ARTICLE HOLDING SUPPORT FOR TELEPHONE HANDSET BASES
Nathan Sloane and Max Sloane, Brooklyn, N. Y.
Application November 23, 1946, Serial No. 711,866
5 Claims. (Cl. 45—.5)



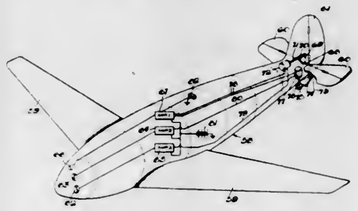
1. A device including a supporting member, channel elements bordering said member, means detachably connecting said elements to the member, the elements having lower flanges cooperating with the member to form guides for slidably mounting a drawer, the elements having upper flanges spaced above the member for engaging over portions of an article that is supported on the member.

2,498,771
SOLE FITTING MACHINE
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 26, 1948, Serial No. 17,275
24 Claims. (Cl. 12—17)



1. In a machine for operating upon soles, a holder for positioning and supporting a pattern, a clamp for forcing a block sole against the pattern, means for moving the clamp with relation to the holder to facilitate the placing of said sole on the holder, a carrier, rounding shank reducing and roughing cutters mounted in the carrier for rotation about a common axis, means for sliding and rotating the holder and the clamp to move the pattern and accordingly the sole in a predetermined path, an abutment mounted upon the carrier, means for moving the carrier toward the holder and for yieldingly forcing the abutment of the carrier against an edge of the pattern while said pattern is moved in said path to cause the cutters to round, shank reduce and roughen the sole, a cam movable with the holder, and mechanism actuated by the cam during its movement with the holder for moving at predetermined times the shank reducing cutter along its axis of rotation into an effective position to cause said cutter to operate upon the sole at selected localities.

2,498,772
AERIAL TORPEDO
Alfred A. Stuart, Jr., Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Original application May 15, 1941, Serial No. 393,685, now Patent No. 2,422,446, dated June 17, 1947. Divided and this application December 13, 1941, Serial No. 422,910
6 Claims. (Cl. 102—3)

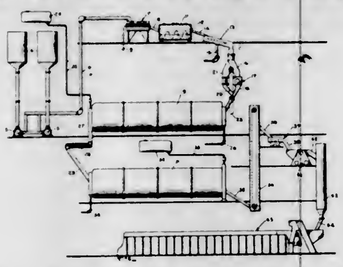


1. An automatic sound directed device having a pair of control surfaces thereon, a pair of directional microphones arranged on said device for intercepting and converting sound waves emanating from a source into electrical output energy, non-directional sound responsive means providing a continuous energy output independent of its position relative to the sound waves emanating from said source, and a pair of actuating devices for operating said control surfaces, whereby said device is directed toward said sound source, one of said actuating devices being energized by the output of one of said directional microphones and said non-directional means and the other of said actuating devices being energized by the output of the other of said directional microphones and said non-directional means.

2,498,773
PREPARATION OF CELLULOSE DERIVATIVES
Robert F. Thompson, Narrows, Va., assignor to Celanese Corporation of America, a corporation of Delaware
Application January 16, 1945, Serial No. 573,123
2 Claims. (Cl. 260—230)

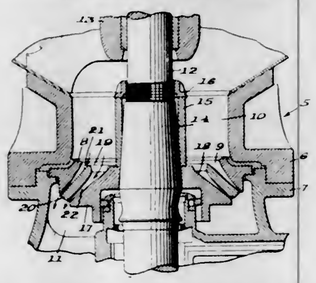
1. In a process for the preparation of cellulose derivatives in fibrous form, the steps of precipitating the cellulose derivatives from an acid solution thereof in the form of coarse fibers, hardening said coarse fibers in the precipitating

bath, mechanically opening and shredding said coarse fibers into fibers of smaller dimensions



free from fines, and washing said smaller fibers with water to remove the acid therefrom.

2,498,774
GYRATORY CRUSHER HAVING A FLOATING RING
Samuel W. Traylor, Jr., Allentown, Pa.
Application January 24, 1946, Serial No. 643,033
18 Claims. (Cl. 241—140)



1. A gyratory crusher comprising inner and outer cooperating crushing members of which the inner is gyratory on an upright axis, said members having upwardly tapering opposed crushing faces defining an annular space, and a floating ring in said space having upwardly tapering and upwardly converging inner and outer faces which in the normal operation of the crusher define inner and outer downwardly tapering crushing spaces with the faces of said inner and outer members respectively, the inner face of said ring overlying the face of said inner member so as to be supported thereby along a circular, substantially line contact adjacent the lower end of said inner face when the space between the two faces is empty and when the ring is level, said ring being tiltable both upwardly and downwardly at all points around its circumference both when said spaces are empty and when having material therein.

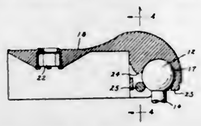
2,498,775
CATHODE CONSTRUCTION
Ward W. Watrous, Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1948, Serial No. 2,570
8 Claims. (Cl. 250—27.5)

8. A cathode comprising a body of generally frusto-conical shape having its smaller end closed and having its larger end forwardly open for emission of electrons from the interior of said cathode to the exterior thereof through said open larger end, a housing secured to the open larger end of said body extending rearwardly in the general direction of the smaller end of the body,



said housing having a disc at its rearward end extending behind the smaller end of the body, a heater within the space between said body and housing, a stem projecting from said disc, and a lead-in connection through the stem to said heater.

2,498,776
TRAILER HITCH
Dewey S. Weiss, Portland, Oreg.
Application October 17, 1947, Serial No. 780,338
8 Claims. (Cl. 280—33.17)



8. In a ball and socket coupling for coupling a leading vehicle to a trailing vehicle including a socket member adapted to be mounted on one of said vehicles and having a socket therein, and a ball arranged on the end of a stem adapted to be mounted on the other of said vehicles, said ball being snugly receivable in said socket; the invention comprising a socket member having a hemispherical socket therein adapted snugly to receive said ball, said socket having an open mouth through which said ball may be inserted and withdrawn, a retaining pin mounted in said socket member, said retaining pin extending transversely of the open mouth of said socket in contact with the exposed surface of said ball opposite the surface portion of said ball engaging said socket so as to prevent jarring of the ball in the socket during movement of the vehicles, said retaining pin spanning said mouth in normally spaced relation to said stem so as to allow angular shifting of said stem as the vehicles shift relative to one another during movement, said pin having an annular groove in the midportion thereof with the bottom wall of said groove being curved in the longitudinal direction of said pin, the radius of curvature of said bottom wall being substantially the same as that of said ball, and said ball being seated in said groove.

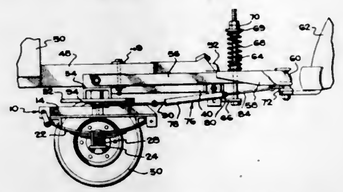
2,498,777
COMPOSITION TO IMPROVE CIRCULATION OF BLOOD IN VASCULAR DISORDERS
Rudolph R. Widmann, Beverly Hills, Calif., assignor to Organic Chemicals, Inc., Pasadena, Calif., a corporation of California
No Drawing. Application November 6, 1947, Serial No. 784,510
2 Claims. (Cl. 167—55)

1. A composition of matter consisting essentially of a mixture of crystalline histidine and crystalline pyridoxine.

2,498,778
COMPOSITION TO INCREASE THE ABSORPTION BY THE BODY OF HISTAMINE
Rudolph R. Widmann, Beverly Hills, Calif., assignor to Organic Chemicals, Inc., Pasadena, Calif., a corporation of California
No Drawing. Application November 10, 1947, Serial No. 785,194
4 Claims. (Cl. 167—55)

3. A composition of matter comprising a mixture of crystalline histidine, a crystalline form of at least one heterocyclic polyhydroxy vitamin selected from the group of consisting of pyridoxine and ascorbic acid and a crystalline form of at least one anti-histaminase compound selected from the group consisting of tetramethylenediamine and the hydrochloride salts of tetramethylenediamine.

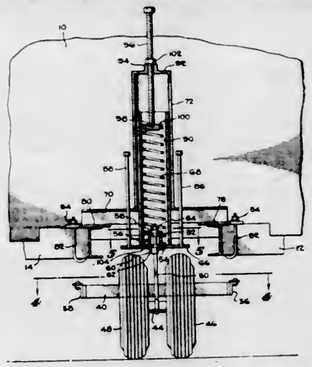
2,498,779
SELF-GUIDING TRAILER DOLLY
Franklin L. Winchester, South Gate, Calif.
Application March 7, 1947, Serial No. 733,137
12 Claims. (Cl. 280—33.5)



1. A dolly for a trailer and the like, including: a frame having a wheel operatively mounted on each side thereof, a horizontally rotatable structure adapted to support a trailer body disposed above said frame, coupling means adapted to secure a trailer to said dolly, vertically swingable coupling means adapted to secure said dolly to a towing vehicle, said coupling means being centrally attached to a steering bar horizontally disposed at the rear of said vehicle, and a pair of generally horizontally disposed, reciprocally expansible and contractable tie rods, fixedly secured to opposite sides of said frame and pivotally attached adjacent the opposite ends of said steering bar respectively, the lateral displacement of said tie rods at their points of attachment to the towing vehicle being less than at their attachment to said frame, each of said tie rods comprising a tubular member, a cable extending from either end to the dolly and towing vehicle respectively, and a coil spring disposed within said tube and attached to one of said cables so as to allow it to reciprocate longitudinally within the tube with the expansion and contraction of the coil spring.

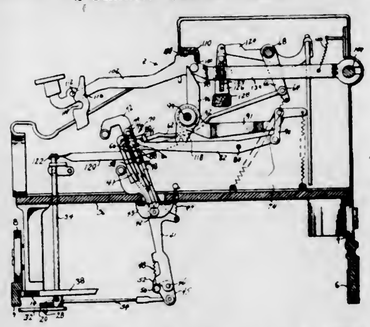
2,498,780
SHOCK ABSORBING TRAILER MOUNT
Franklin L. Winchester, South Gate, Calif.
Application August 18, 1947, Serial No. 769,300
14 Claims. (Cl. 280—33.5)

1. A wheeled structure of the character described including: a pair of substantially horizontally disposed supports vertically spaced apart and connected respectively to a wheel and to the structure body, a pair of loosely telescopically mounted, upright, hollow members each having one closed end and one open end, the interior of said members being in communication through said open ends, one of said closed ends being drilled to permit the restricted passage of fluid therethrough, each of said horizontal supports being fixedly attached to a different one of said hollow uprights and a pair of upstanding



guide rods located on opposite sides of said hollow uprights, secured to one of said supports and longitudinally reciprocable through corresponding openings in the other of said supports as said uprights are telescoped.

2,498,781
RIBBON VIBRATING MECHANISM FOR TYPEWRITING MACHINES
Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1946, Serial No. 643,509
2 Claims. (Cl. 197—152)



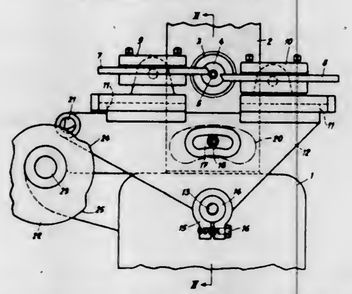
1. In a typewriting machine, a horizontally movable ribbon guide and means for moving the guide rearwardly and forwardly, respectively, into and out of operating position comprising a lever pivoted on a substantially horizontal axis and extending below said axis to the rear of the guide, means for swinging said lever, a lever pivotally supported on the lower portion of said first lever to swing forwardly and rearwardly therewith and also to swing independently of said first lever on a substantially horizontal axis, a stop for limiting the movement of said second lever with relation to said first lever during the movement of said first lever to move the guide forwardly, a spring connecting said first lever with said second lever to maintain the latter in engagement with said stop during the greater part of the movement of said first lever to move the guide rearwardly

and arranged to yield upon the arrest of the latter movement of the guide, stops shiftable alternatively into operating positions for limiting the movement of the guide rearwardly into operating position and means for shifting the stops.

2,498,782
PREPARATION OF ARYL SULFONYL THIOUREAS
Maurice Arquet, Paris, and Paul Charpentier, Choisy-le-Roi, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French company
No Drawing. Application April 29, 1946, Serial No. 665,890. In France May 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 13, 1962
5 Claims. (Cl. 260—397.7)

2. The process of producing benzene sulphonyl thioureas which comprises heating a compound selected from the group consisting of benzenesulphonyl cyanamide and its p-amino and p-acetylamino derivatives with hydrogen sulphide.

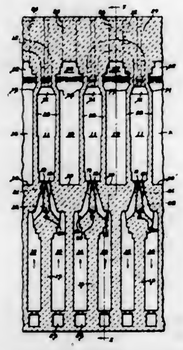
2,498,783
AUTOMATIC LATHE
André Bechler, Moutier, Switzerland
Application September 20, 1946, Serial No. 698,195
In Switzerland May 3, 1946
1 Claim. (Cl. 82—19)



In an automatic lathe, a cam comprising lobes, a machine frame, a work guide, a support having a vertical guide-face, mounted on said machine frame and carrying said work guide, a tool-carrying rocker element in engagement with said cam, having a slot and being pivoted to said machine frame at such a distance from said work guide and from the place of engagement of said rocker element with said cam that the amplitude of said rocker element in reach of said work guide is substantially of the same order as the radial dimensions of said lobes, a bolt fixed to said support and traversing said slot substantially in the middle between the pivot point of said rocker element and said work guide, and a plate fixed to said bolt at a distance from said support to guide said rocker element between said plate and said vertical guide face.

2,498,784
HORIZONTAL COKE OVEN METHOD
Joseph Becker, Pittsburgh, Pa., assignor to Koppers Company, Inc., a corporation of Delaware
Application August 30, 1947, Serial No. 771,469
5 Claims. (Cl. 202—29)

3. The improved method of producing high-temperature coke in an intermittent coke oven, said method comprising: forming an oven coal-charge for coking in said oven, prior to coking therein, as a horizontally elongated high, and narrow bed of coal with a top levelled overhanging offset capping-layer of coal that is a minor portion of the total height of said bed but which is throughout the horizontal length of the bed, wider than, and projects as an offset over at least one of the high sides of, the lower portion of the bed; the oven charge being preformed to a total height, and the top of the capping layer being levelled, to leave above its top surface, as the top level for the levelled oven-coal charge, an overhanging offset gas-collecting free-space likewise having its offset projecting over the same side that the capping layer is offset, and extending horizontally along over said top level lengthwise beneath the crown of the coking chamber, through which the distillate gas may flow off

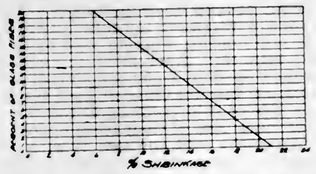


from the charge, when underlying below, horizontally along the crown of the oven over the underlying levelled oven charge, during coking therein; and the top of the capping layer which, as the top level for levelled coal charges, is to be contiguous to the overlying gas-collecting offflow crown space, being formed of a transverse width wider in a horizontal plane than the portions of the oven charge at levels below the overhanging capping layer; thereafter coking the so-formed oven charge while it is still so formed, in said horizontal coke oven, and withdrawing the distillate gas off through horizontally through the gas-collecting space left above said charge as it evolves from the charge, while maintaining the gas-collecting space unobstructed to diffusion of gas from side to side and of an effective free cross-sectional area, transversely of the coking charge, greater than that of the area of the portion of the coal charge bed below the capping layer.

2,498,785
RUBBER ARTICLE AND METHOD OF MAKING SAME
Bailey Bennett and George H. McFadden, Columbus, and John F. Lyman, Westerville, Ohio, assignors to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Application July 2, 1947, Serial No. 758,580
4 Claims. (Cl. 260—723)

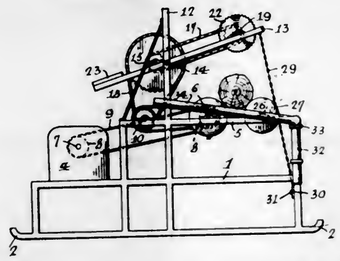
1. A sponge rubber article made from cured foamed latex, said article including a reenforcing material comprising, glass fiber therein in quantities of from 1 to 10% by weight, said fiber having an average length of between ¼ and

¼ of an inch, said material being included for improving the tensile strength, compressibility



and density of the article and for reducing the tendency toward shrinkage during curing.

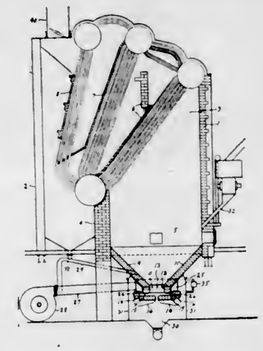
2,498,786
PORTABLE LOG-DEBARKER HAVING SWINGABLE FRAME MOUNTING A DRIVEN FEED WHEEL
Orezul Bouchard, Kirkland Lake, Ontario, Canada
Application September 30, 1946, Serial No. 700,237
2 Claims. (Cl. 144—208)



1. A log barking machine comprising a frame, a knife rotatably supported thereby, log-supporting rollers mounted on said frame opposite said knife, a swinging frame supported by the first named frame to swing between operative and inoperative positions, means biasing said swinging frame to its inoperative position, a shaft journalled on said swinging frame, means for driving said knife and shaft, an angular extension from said shaft and having a universal connection thereto, a log-feeding wheel carried by said extension to engage a log supported between said knife and rollers, a lever pivoted on said first named frame, flexible means connecting said swinging frame and lever to normally hold said swinging frame and wheel in inoperative position, said lever and flexible means being operable to move said swinging frame and wheel into operative position, and arms mounted on the sides of said first named frame to support a log mounted between said knife and rollers, said arms sloping upwardly in the direction from said rollers to said knife and diverging outwardly from said frame.

2,498,787
FURNACE, INCLUDING ASHPIT AIR PRESSURE RESPONSIVE GRATE DUMPING MEANS
Harry O. Bowsman, Elgin, Ill.
Application September 12, 1946, Serial No. 696,454
10 Claims. (Cl. 110—28)

1. In a furnace for burning crushed fuel, means forming a combustion chamber, a sealed ash pit beneath said combustion chamber, means forming a throat at the bottom of said combustion chamber and adapted to accumulate ashes, dump doors beneath the lower end of said throat, means forming a slot between the lower end of the throat and said dump doors for admittance of air to the throat, means for supplying



pressure air to said ash pit, means for feeding fuel to the combustion chamber, and means for automatically opening and closing the dump doors in dependence upon the air pressure in the ash pit.

2,498,788
TIMING CHAIN
Norman C. Bremer, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application June 27, 1945, Serial No. 601,777
11 Claims. (Cl. 74—250)

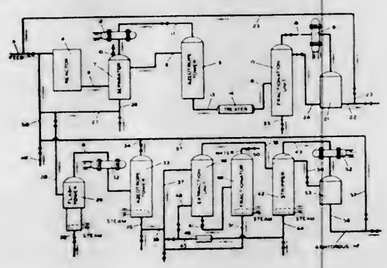


1. A timing chain and the like comprising a plurality of side links; pintles joining said side links; bushings rotatable on said pintles between said side links; a plurality of inner links secured to the mid-regions of said bushings in spaced relation to said side links; and wing-like extensions at the ends of said inner links arranged so that the extensions of one set of inner links engages the bushings of another set of inner links when the chain tends to bend back.

2,498,789
RECOVERY OF HYDROGEN FLUORIDE
Paul H. Carnell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 20, 1946, Serial No. 671,111
5 Claims. (Cl. 260—683.4)

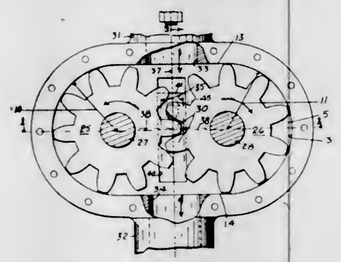
1. In a process for the alkylation of an alkylatable hydrocarbon in the presence of hydrogen fluoride in which a hydrocarbon conversion effluent is separated into a liquid hydrocarbon-rich phase and a heavier liquid hydrogen fluoride-rich phase and said liquid hydrogen fluoride-rich phase is distilled into an overhead fraction comprising substantially anhydrous hydrogen fluoride and a bottom fraction comprising a liquid mixture of wa-

ter and hydrogen fluoride, the improvement which comprises continuously passing said liquid bottom fraction of hydrogen fluoride and water into contact with a liquid cycloolefin in an extraction zone under conditions such that said hydrogen fluoride is bound as an organic fluoride and extracted from said liquid bottom fraction, maintaining a mol ratio of cycloolefin to hydrogen fluoride in said extraction zone of at least about 1:1, maintaining a temperature in said extraction zone between about 120 and about 390° F., separating a resulting liquid organic solution containing organic fluoride and a resulting aqueous mixture from said extraction zone, passing said resulting aqueous mixture to a distillation zone and distilling the same therein, removing from said distilla-



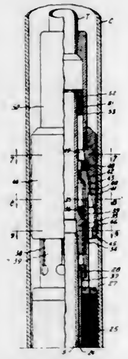
tion zone water as an overhead product and a more concentrated mixture of hydrogen fluoride and water as a bottom product, recirculating said concentrated mixture of hydrogen fluoride and water from said distillation zone to said extraction zone, passing said resulting liquid organic solution to a stripping zone under conditions such that substantially anhydrous hydrogen fluoride is removed therefrom as an overhead product and a liquid cycloolefin is removed as a bottom product, maintaining a temperature in said stripping zone between about 200 and about 500° F. and sufficient pressure to substantially prevent the vaporization of a cycloolefin, recycling said liquid cycloolefin from said stripping zone to said extraction zone, and recycling said overhead product of hydrogen fluoride to the alkylation reaction.

2,498,790
GEAR PUMP
Milo C. Caughrean, San Francisco, Calif.
Application December 22, 1947, Serial No. 793,190
10 Claims. (Cl. 103—126)



1. In a gear pump including a pair of gears with their teeth in intermeshing relationship and supported for rotation within a housing with their opposite sides in contact with two opposed sides of said housing and with the outer ends of their teeth around their peripheries outwardly of the zone of intermesh in contact with the inner sides of said housing whereby said teeth will cooperate with said inner sides to form pockets for conducting fluid from one side of the point of maximum intermeshing of said teeth to the opposite side of said point upon rotation of said gears for movement of their teeth oppositely outwardly from the said one side of said point, an inlet and an outlet formed in said housing communicating with the said zone of intermesh at said one side and said opposite side of said point respectively, and an inwardly opening recess formed in one of said opposed sides of said housing opening into said zone of intermesh up to said point at the said opposite side of said point and communicating with said outlet for receiving fluid trapped between intermeshing gears up to said point, said recess extending past said point to the said one side thereof adjacent said inlet, and means adjustably positioned within said recess at said one side of said point supported for movement toward and away from said point preventing passage of fluid in said zone of intermesh at said other side from moving across said point to said one side.

2,498,791
WELL DEVICE
James M. Clark, Carthage, Tex.
Application June 22, 1946, Serial No. 678,655
7 Claims. (Cl. 166—12)

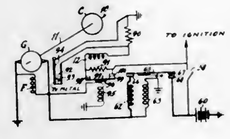


1. In a well device, the combination including, an elongate tubular mandrel having an external screw threaded section, expansible gripping means carried by the mandrel, expander means slidable on the mandrel and adapted to engage the gripping means to move said gripping means to gripping position upon longitudinal movement of the expander means in one direction relative to the mandrel, actuating means for the expander means movable on the mandrel and having an internal screw thread adapted to engage with the thread on said mandrel, said actuating means being divided whereby it may be opened to a non-engaging position with respect to the external thread on the mandrel, and means for normally maintaining the actuating means in position for the internal thread thereof to engage and mesh with the thread on the mandrel.

2,498,792
POLYVINYL RESIN EMULSIONS
Emile Clément Cottet and René Louis Fernand Chazal, Lyon, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French company
No Drawing. Application January 23, 1946, Serial No. 643,003. In France July 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 21, 1961
2 Claims. (Cl. 260—8)

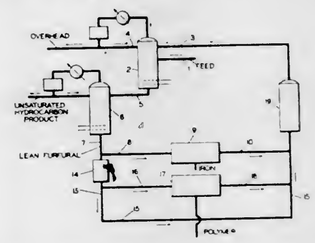
1. An aqueous emulsion of polyvinyl acetate containing up to 65% of dry resin, a member selected from the class consisting of the alkaline salts of the sulphonation products of alkylated polynuclear compounds and, as protective colloid, a polypeptide obtained by heating to boiling a 40% by weight aqueous solution of gelatine until the product, diluted to a 20% solution, has a viscosity at 35° C. of 6 to 15 centipoises.

2,498,793
GENERATOR CONTROL SYSTEM
Robert M. Critchfield and Paul L. Schneider, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 22, 1946, Serial No. 692,352
1 Claim. (Cl. 290—50)



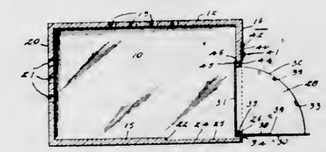
A generator speed-limiting control system for use on automotive vehicles and comprising a generator which is driven at varying speeds by the vehicle propelling engine, said generator having a shunt field winding, a storage battery charged by the generator, a generator-battery circuit including a relay for connecting the generator and battery when the generator is driven at a speed such that its voltage exceeds the countervoltage of the battery and for disconnecting the battery from the generator when the generator speed is at such relatively low value that the battery can discharge through the generator, an electromagnetic coupling normally connecting the engine with the generator at a drive ratio required for the closing of the relay and the charging of the battery at relatively low engine speeds, said coupling having an exciting coil and providing for coupling slip which is least when the energization of the coil is greatest and vice-versa, said coupling coil, when fully exciting, causing the maximum output torque of the coupling to the generator to be equal to the torque required to drive the generator at the maximum speed required for a predetermined full output, a circuit for connecting the coupling coil with the generator-battery circuit between the relay and the battery and including, in series with the coil, two resistances and pairs of contacts respectively normally by-passing these resistances, a thermostat for opening one of the pairs of contacts upon the attainment of a predetermined generator temperature and an electromagnet for opening the other pair of contacts upon the attainment of a predetermined generator voltage whereby the generator speed is reduced to prevent overheating of the generator and whereby the generator speed is reduced either from the higher values permitted before the opening of the thermostat controlled contacts or from the lower values permitted after the opening of the thermostat controlled contacts in order to prevent charging the battery at an excessive rate.

2,498,794
REMOVAL OF MAGNETIC MATERIAL FROM FURFURAL
Thomas L. Cubbage, Borger, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 22, 1945, Serial No. 600,876
4 Claims. (Cl. 202—39.5)



1. A process for the separation of an unsaturated hydrocarbon material from a hydrocarbon mixture containing the same in admixture with a more saturated hydrocarbon material, comprising the following steps: subjecting said hydrocarbon mixture to extractive distillation with furfural as selective solvent; withdrawing furfural containing dissolved unsaturated hydrocarbon from said extractive distillation, and introducing said furfural into a stripping zone wherein said furfural is stripped of dissolved unsaturated hydrocarbon; withdrawing stripped furfural from said stripping zone, and dividing said furfural into two portions; evaporating furfural from said first portion to purify same and passing resulting purified furfural to said distillation; separating from said second portion iron impurities picked up in the system used to carry out the process, thereby decreasing polymerization of furfural in the extractive distillation system; passing resulting furfural free of said iron impurities back to said extractive distillation.

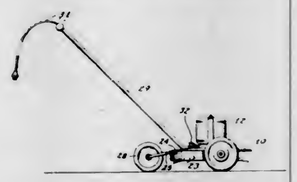
2,498,795
DISPENSING DEVICE FOR BAIT
Douglas L. Davis, Fullerton, Calif.
Application June 6, 1946, Serial No. 674,730
2 Claims. (Cl. 222—364)



1. A fisherman's bait box comprising top, bottom, side and end walls, said bottom wall formed with an upwardly opening recess at one end thereof, one of said end walls formed with an opening therethrough at the lower end registering with an end of said recess, said one end wall also formed with a recess along the upper mar-

ginal edge of said opening, a carrier, a pivot for said carrier in the corner of said box above said recess, a pair of right angularly related closure forming walls on said carrier extending radially from said pivot, spaced apart segmental arcuate side walls on said carrier, said closure forming walls disposed on opposite sides of said one end wall, the upper end of said closure forming walls being adapted to abut the upper marginal edge of said opening, the inner of said closure forming walls being swingable for disposition in the recess of said bottom wall, the upper edge of the outer of said closure forming walls engageable in said marginal recess, and spring means biasing said inner closure wall from its associated recess for closing said opening in the said one end wall.

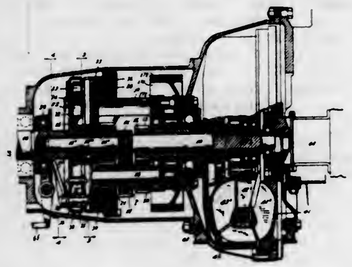
2,498,796
LAWN MOWER
Milton B. Downer, Adrian, Mich.
Application August 30, 1946, Serial No. 693,959
1 Claim. (Cl. 56—25.4)



In a lawn mower including a circular supporting plate having a central aperture therethrough, an axle extending across said plate at one side of said aperture, plate supporting wheels on said axle, a rear wheel, means mounting said rear wheel on said plate, a handle secured at its lower end to said plate adjacent said rear wheel mounting means and inclined upwardly and outwardly of said plate, a motor on said plate having a shaft extending downwardly through said plate aperture, means mounting said motor on said plate, and a cutting blade disposed below said plate and secured at its mid-length location to said motor shaft, a substantially semi-circular guard strip secured at its upper edge to the rearward edge of said supporting plate and extending downwardly from the latter, said rear wheel mounting means comprising a U-shaped fork having its bight secured to the under surface of said supporting plate within said guard strip and its legs extending outwardly past said guard strip, said guard strip having notches therein receiving said legs and said legs having inturned outer end portions received in the hub of said rear wheel.

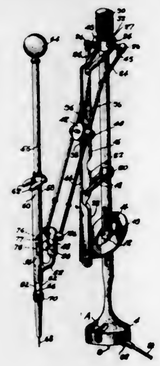
2,498,797
SPEED VARYING TRANSMISSION
William A. Duffield, Windsor, Ontario, Canada, assignor, by mesne assignments, to Windfields 1946 Limited, Montreal, Quebec, Canada, a corporation of Canada
Application July 12, 1944, Serial No. 544,507
16 Claims. (Cl. 74—677)

1. In a variable-speed transmission, two independently actuatable input gears, an output gear, a planetary gear unit including a unitary toothed element meshing with said three gears to interlock the same, a rotatable carrier for said planetary gear, means for locking said carrier against reverse rotation, a clutch interposed between said carrier and output gear and normally biased to clutch position, an output shaft, and means interposed between said output gear and output



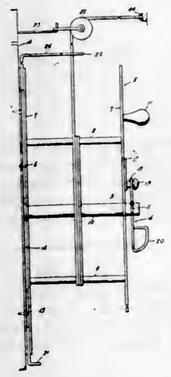
shaft for actuating said clutch in opposition to its bias.

2,498,798
ELLIPSOGRAPH
Osborne P. Edwards, Maywood, N. J.
Application December 31, 1946, Serial No. 719,413
2 Claims. (Cl. 33—30)



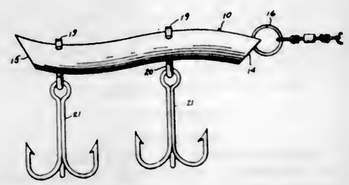
1. In an ellipsograph embodying a fixed standard having an open center disk provided with a diametrical pivot extending diametrically through the standard so that the disk in position other than a plane perpendicular to the standard will present a projected form other than a circle, the improvement comprising, a hub journalled on the standard at the upper end thereof, a collar journalled on the standard intermediate of said disk and said arm, links pivotally connected to said hub, second links pivotally connected to said collar, an arm pivotally connected to said links at its opposite ends so that said arm is in parallel relation to said standard with the lower end of the arm bearing against the perimeter of the disk, shafts extending outwardly of and at right angles to said hub in opposite directions therefrom, frame arms journalled on the ends of said shafts, lock means adjustable along the frame arms and adapted to have sliding engagement with said arm, a writing implement carried by the ends of said frame arms, and said frame arms being movable radially of the standard upon rotation of said writing implement around the standard for the inscribing of an oval.

2,498,799
CLOTHESLINE REELING DEVICE
Orville C. Erickson, Eau Claire, Wis.
Application March 23, 1945, Serial No. 584,317
2 Claims. (Cl. 242—100)



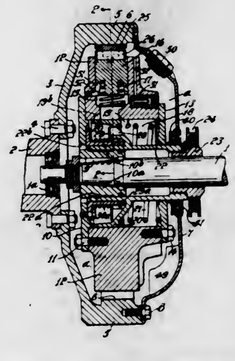
1. In a clothes line reeling device, a vertical supporting bracket in the form of a flat elongated plate adapted to be secured to and against a vertical surface of a support, said bracket having a stationary spindle projecting laterally therefrom intermediate its ends and provided with a free outer end portion formed with an annular peripheral groove, a clothes line reel rotatably and removably journaled on said spindle, a resilient latch mounted upon the outer side of the reel and tensioned to move parallel with the plane of rotation of the reel and normally engage in the groove of the spindle to removably retain the reel on the latter, said resilient latch comprising an anchored end portion, an intermediate coil portion and a free end portion formed to provide a finger piece, said latch being arranged to engage in the groove of the spindle at a point between the coil portion and the finger piece, and a fixed member carried by the reel and encircled by said coil portion of the latch.

2,498,800
FISHING PLUG
Ralph C. Fehely, Arcata, Calif.
Application March 24, 1947, Serial No. 736,813
1 Claim. (Cl. 43—42.45)



A fish lure comprising an elongated round body longitudinally curved between the ends thereof to form a substantially S-shaped plug, the opposite ends of said body being flat and disposed in downwardly converging relation, said body having a pair of longitudinally spaced apart openings therethrough, a pair of hooks below said body, and means loosely engaging through said openings dependingly securing said hooks to said body.

2,498,801
TRANSVERSELY MOVABLE PISTON TYPE HYDRAULIC COUPLING
William Fraser, Ghyll Crest, Ghyll Head, Windermere, England
Application September 16, 1944, Serial No. 554,475
In Great Britain November 7, 1943
7 Claims. (Cl. 192—60)

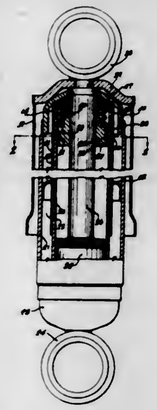


1. A hydraulic coupling for shafts or the like comprising an outer casing on one shaft forming a fluid reservoir, an inner casing on the other shaft rotarily mounted in the outer casing, a series of radially disposed cylinders and pistons in the inner casing forming an enclosed pressure fluid zone, a cam on the outer casing adapted during relative rotation of the casings to reciprocate the pistons and set up a fluid flow between the cylinders, a valve controlling such fluid flow, said valve having a vent therein providing a relief duct permitting small quantities of air and fluid to escape from the pressure zone into the reservoir, and apertures in said control valve permitting fluid to pass therethrough as the valve moves, and in which a disc is provided adapted to mask the apertures and retard its closing movement.

2,498,802
SHOCK ABSORBER
Mearick Funkhouser, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 20, 1947, Serial No. 769,591
1 Claim. (Cl. 188—100)

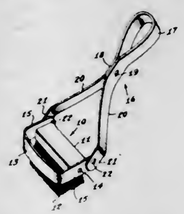
A hydraulic shock absorber comprising a working cylinder; a plug fitted into said cylinder; longitudinal grooves in the surface of the plug fitting the cylinder; an annular groove in said surface, intersecting all of the longitudinal grooves; a plurality of dents in the wall of the cylinder, forming protuberances extending into said annular groove for securing the plug against longitudinal movement in either direction in the cylinder, the number of said dents differing from the number of said longitudinal grooves to avoid closing and rendering inoperative all said longitudinal grooves by the protuberances; and an annular feeder groove in the plug between the

first mentioned annular groove and the end of the plug within the cylinder, said feeder groove



communicating with all of the longitudinal grooves.

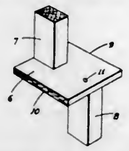
2,498,803
POT CLEANER
Vincenzo James Gentile, Hartford, Conn.
Application November 12, 1946, Serial No. 709,223
2 Claims. (Cl. 15—164)



1. In a cleaner for pots, pans and the like, comprising a brush back having a plurality of tufts of bristles projecting therefrom, a U-shaped member having the limbs thereof attached to the ends of the brush back and a handle connected to said limbs, the features which include having the intermediate yoke portion of the U-shaped member projecting forwardly of and spaced from the brush back and said limbs extending rearwardly of said brush back to terminate in rearwardly-projecting ends, and having the handle connected to the latter ends rearwardly of said brush back.

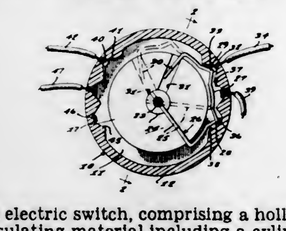
2,498,804
CARLOAD SPACER
Henry J. Goff, Stockton, Calif.
Application September 18, 1943, Serial No. 502,925
2 Claims. (Cl. 105—367)

1. A spacer for placement between two boxes disposed with their ends adjacent each other, such spacer consisting of a relatively small plate adapted to be placed on the tops of the adjacent ends only of the boxes and bridge the space between said boxes, an elongated rectangular spacer block having an end disposed against one face of the plate, and a nail extending through the plate and into the block to hold the two together; the block being adapted to project between the boxes and hold them spaced apart and a like block disposed against the opposite face of the plate



but displaced laterally with respect to the first named block whereby each block may be nailed to the plate without interference from the other; the second block being adapted to project between two boxes superimposed on the first two boxes.

2,498,805
MULTIWAY ELECTRIC SWITCH
Leon Gurevsky, Fort Wayne, Ind.
Application July 20, 1948, Serial No. 39,681
1 Claim. (Cl. 315—313)

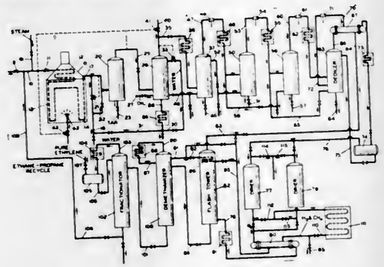


An electric switch, comprising a hollow housing of insulating material including a cylindrical side wall formed with spaced recesses therein providing detents, a fixed contact in each recess, a movable contact pivoted in said housing axially thereof, said movable contact including a leg extending radially toward said side wall and an arcuate resilient contact portion integral with said leg and disposed concentrically inwardly of said side wall, said arcuate contact portion having a pair of spaced and radially outwardly directed contact points seatable at times in said recesses for engagement with said stationary contacts, one of said recesses and the stationary contact therein being elongated along the path of travel of said contact points, and said contact points of said movable contact and said stationary contacts being so spaced and arranged that said movable contact is movable from an open position to two successive closed positions wherein one of said contact points is successively and separately seated in each recess for engagement with the stationary contact contained therein and to a third closed position wherein said contact points are each seated in a separate recess whereby said movable contact engages both stationary contacts simultaneously.

2,498,806
PRODUCTION OF ETHYLENE
Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 16, 1946, Serial No. 683,904
4 Claims. (Cl. 62—175.5)

1. An improved process for the recovery of substantially pure ethylene from a mixture comprising free hydrogen, ethylene, propane and lighter

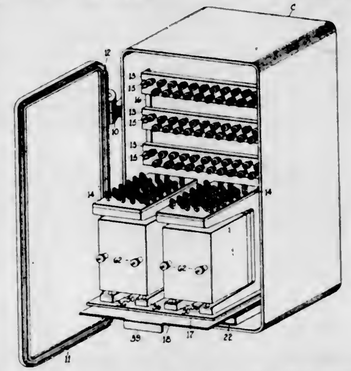
paraffins, together with not more than minor amounts of heavier hydrocarbons, which comprises passing such a mixture to a separation zone, removing from said separation zone as a liquid substantially all hydrocarbons heavier than propane, introducing into said zone gaseous hydrogen from a first fractional distillation step as hereinafter recited to aid in stripping light material from said heavier liquid, removing as a gas from said separation zone propane and lighter material, partially cooling same by indirect heat-exchange with said hydrogen prior to introduction of said hydrogen into said zone, further cooling and partially condensing said mixture, passing a resulting condensate back to said separation zone as a reflux liquid, drying resulting uncondensed gases, cooling said dried uncondensed gases and condensing the major portion of the methane and substantially all the heavier hydrocarbons, passing said cooled and partially condensed mixture to a first fractional distillation zone, removing from said first zone a gaseous fraction comprising substantially all the hydrogen and a minor portion of the methane



contained in said partially condensed mixture, passing a portion of said gaseous fraction into indirect heat-exchange with the first said gaseous propane and lighter material and subsequently into said separation zone as aforesaid, removing from said first zone a liquid fraction comprising methane and heavier hydrocarbons and passing same to a second fractional distillation zone, removing from said second zone a gaseous fraction comprising substantially methane, expanding at least a portion of said gaseous methane to a colder gas at a lower pressure, passing said expanded colder gas in indirect heat-exchange with vaporous material in the top of said first distillation zone, removing from said second zone a liquid fraction substantially free from methane and comprising ethylene and heavier hydrocarbons and passing same to a third fractional distillation zone, removing from said third distillation zone as a liquid fraction a substantially ethylene-free hydrocarbon material comprising ethane and heavier hydrocarbons, and removing also from said third zone as a product of the process a gaseous fraction comprising substantially pure ethylene.

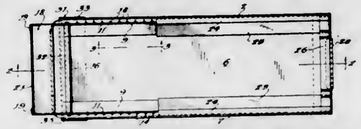
2,498,807
RELAY HOUSING
George O. Hagenbach, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 22, 1948, Serial No. 3,683
10 Claims. (Cl. 175—307)

1. In a relay housing, a coupler unit for each relay comprising, an elevationally disposed supporting bracket having an integral portion extending above and below and across the back of its associated relay, said bracket having a wire chase formed therein extending through its top and back portions, a terminal board secured across the top of said bracket and covering said wire chase in the top portion of the bracket, a plug board vertically disposed and secured in



the back of said bracket, said plug board being adapted to support and make quickly detachable electrical connection with the relay associated with that bracket, and a cover spaced to the rear of said plug board covering said wire chase in the back portion of the bracket.

2,498,808
VISIBLE INDEX EMBODYING A PLURALITY OF SWINGABLE PANELS
Marchand B. Hall, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application December 15, 1947, Serial No. 791,908
9 Claims. (Cl. 40—102)

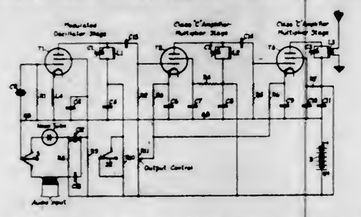


1. In a visible index adapted to receive a hanger wire, a base, a pair of mounting plates projecting upwardly in spaced parallel relation from said base, said mounting plates being formed with recesses in their upper edges, the inner end of each recess having walls defining a seat portion to receive the end of a straight hanger wire disposed in a plane normal to the mounting plates, an abutment flange provided at the entrance to each recess to engage and hold the end of a straight hanger wire against displacement from its respective seat portion, said abutment flange projecting outwardly at an angle from the plane of its respective mounting plate.

2,498,809
SIGNAL GENERATOR
Robert B. Haner, Scottsville, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 9, 1946, Serial No. 702,150
2 Claims. (Cl. 250—36)

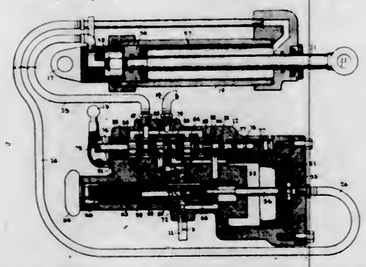
1. A signal generator of the character described comprising, a piezoelectric crystal oscillator for

generating radio frequency current of stabilized frequency, said oscillator including a thermionic tube having a screen grid, means including a resistor for applying a positive potential to said screen grid, a relaxation oscillator comprising a gas tube and a condenser, charging and discharging circuits for said condenser, said discharging circuit including said resistor and said gas tube whereby the output of said piezoelectric crystal oscillator is frequency and amplitude modulated by said relaxation oscillator, a plurality of frequency multiplier stages for successively multiplying the output of said piezoelectric crystal oscillator, each of said stages including a thermi-



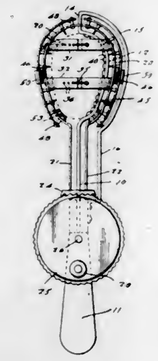
onic tube having its grid bias governed by a fixed resistor providing the proper bias necessary to cause that stage to operate near the saturation point of that tube, and means including a single potentiometer connected in series with the respective fixed bias resistors for adjustably adding to the negative bias of said frequency multiplier stages above the bias provided by the fixed resistors, whereby the output power of the signal generator is variable within the limits of said potentiometer and whereby the amplitude modulation is substantially eliminated by the frequency multiplier stages, even when said potentiometer is at its minimum negative bias position.

2,498,810
HYDRAULIC POWER UNIT
Matthew W. Hußer, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 30, 1947, Serial No. 783,011
4 Claims. (Cl. 121—41)



1. A hydraulic power unit, comprising in combination a pressure pump; two double-acting expansible chamber motors each having two opposed working spaces separated by a movable abutment; means for deriving motion from the abutment of the second motor; a flexible liquid-filled line connecting one working space of the first motor with one working space of the second motor; a pressure line supplied by said pump with liquid under pressure; a multi-way valve supplied by said pressure line and having an exhaust connection and two distributing connections; distributing lines from the last named connections to respective ones of the remaining two working spaces of said motors, at least the line to the second motor being flexible; said valve having two positions in which respectively it connects a different one of the two distributing connections to said pressure line and the other to exhaust, and a third position in which it closes both distributing connections and connects the pressure line to exhaust; and valve means adjustable independently of said multi-way valve, operated at least in part by motion of the abutment of the first motor, and serving to limit to an extent determined by its adjustment the motion of the motors, by terminating the flow of pressure fluid through said valve to said distributing connections.

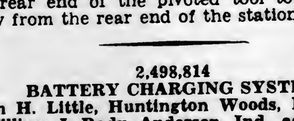
2,498,811
HARD BOILED EGG SHELLER
Grace G. Hyatt, Hemet, Calif.
Application July 25, 1947, Serial No. 763,706
5 Claims. (Cl. 146—2)



1. A device for removing the shell of a hard boiled egg, said device comprising a relatively stationary frame having a portion curved longitudinally to substantially conform to the curvature of a side of the egg, said curved portion having egg shell removing teeth distributed therealong, a rotary frame comprising opposed longitudinally curved elements corresponding in curvature to opposite sides of an egg, resilient means on and extending between said curved elements for yieldably holding a hard boiled egg between said curved elements, means for rotating said rotary frame to rotate the egg on its longitudinal axis with the shell of the egg in contact with said shell removing teeth, and means for fracturing the shell of the egg to facilitate the shell removing action of said teeth comprising egg shell puncturing means mounted on said rotary frame.

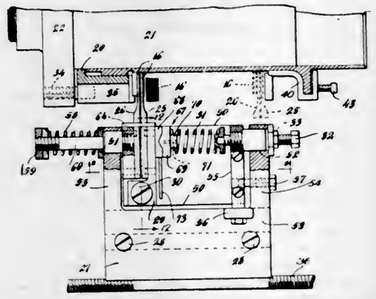
2,498,812
INTAGLIO INK
Lucien Lambelet and Wolfgang Jaeck, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application October 14, 1946, Serial No. 703,094. In Switzerland November 16, 1945
2 Claims. (Cl. 106—22)

1. An ink for intaglio printing consisting essentially of a natural resin soluble in hydrocarbons, at least one hydrocarbon in which the resin and the dyestuffs are soluble and at least one dyestuff of the general formula



wherein one X stands for a chlorine atom and the other X stands for a hydrogen atom.

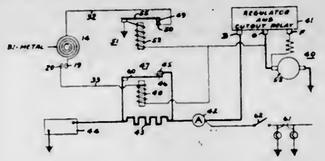
2,498,813
MACHINE FOR APPLYING HELICAL FINS TO CYLINDRICAL BODIES BY MEANS INCLUDING IRONING TOOLS
Edward S. Lea, Morrisville, Pa., assignor to Buensod-Stacey, Incorporated, New York, N. Y., a corporation of Delaware
Original application March 21, 1942, Serial No. 435,728, now Patent No. 2,396,795, dated March 19, 1946. Divided and this application July 21, 1945, Serial No. 606,419
4 Claims. (Cl. 153—64.5)



2. In a machine of the character described, a supporting block, a pair of ironing tools having substantially flat opposing faces for engaging a strip disposed between them, means for securing one of said tools in fixed relation to said supporting block, a pivot pin for supporting the rear end of the other of said tools, and spring means for urging the latter tool towards the stationary one, said pivot pin being eccentrically mounted in said block whereby it may be rotated to move the rear end of the pivoted tool towards and away from the rear end of the stationary one.

2,498,814
BATTERY CHARGING SYSTEM
John H. Little, Huntington Woods, Mich., and William J. Rady, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application November 2, 1943, Serial No. 508,694. Divided and this application March 6, 1947, Serial No. 732,710
3 Claims. (Cl. 320—23)

3. In a battery charging system having a thermal control device for protecting the battery electrolyte from excessive decomposition of water due to excessive heat when the battery is fully charged or warm, comprising in combination; a battery case containing a quantity of electrolyte; a cover for the case including an enclosure depending therefrom, said enclosure including a thick wall portion and a thin wall portion, said thin wall portion adapted to be immersed to cause heat within the case to localize and pass through the thin wall portion; a battery circuit including a normally open thermostatic switch



supported within the enclosure and located adjacent the thin wall portion and responsive to battery temperature for closing and opening said circuit, said switch when closed reducing the amount of current through the battery.

2,498,815
FISHING TACKLE
Raymon McVay, Denison, Tex.
Application April 20, 1948, Serial No. 22,230
3 Claims. (Cl. 43—43.11)

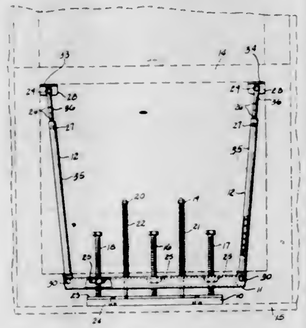


3. A fishing bobber and weight assembly comprising an elongated, buoyant body of substantially circular cross-section and tapered toward one end thereof, said body having an axial bore therethrough of a size to slidably receive a fishing line and a cylindrical counterbore in the tapered end of said body, an elongated sinkable body of cylindrical shape and of a size to fit into said counterbore, and a swivel connection secured to one end and an eye secured to the opposite end of said cylindrical, sinkable body, said sinkable body having its opposite ends shaped to receive a fishing leader secured at one end to said eye and wrapped about said body, and said swivel providing an attachment for a fishing line extending through the bore in said buoyant body.

2,498,816
WINDOW OPENING DEVICE
Peter G. Ness, East Cleveland, Ohio
Application October 26, 1945, Serial No. 624,723
7 Claims. (Cl. 254—100)

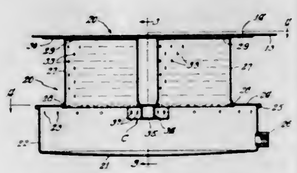
3. An extensible mechanical window opening device to extend between a window casing and frame and exert a force therebetween to move

the frame relative to the casing, comprising a first base to rest against the casing, a second base movable with respect to the first base, said second base having a plurality of screw members in threaded engagement therewith and extensible to the first base to contact the first base and exert a force to move the second base relative thereto, and two adjustable extensible arms each having a base end and a free end and being pivotally at-



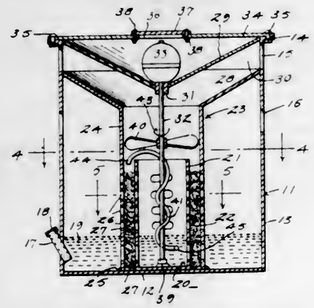
tached to the second base at the base end thereof and adapted to extend from the second base member to the window frame, foot members pivotally mounted on the free ends of the arms to contact the window frame, whereby the arms may be pivotally swung and the foot member thereon pivoted to contact the frame to be moved and exert a force thereagainst in response to the said movement of the second base relative to the first base.

2,498,817
POT TYPE LIQUID FUEL BURNER FOR UNIT HEATERS
George R. Neumann, St. Clair Shores, Eugene F. Farrell, Grosse Pointe Woods, and Edward J. Effinger, Ferndale, Mich., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 11, 1946, Serial No. 640,536
2 Claims. (Cl. 158—91)



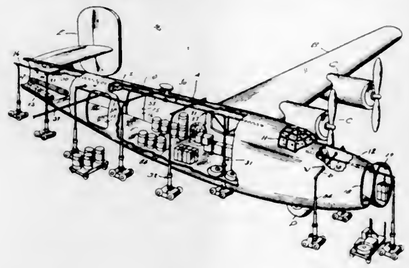
1. In a burner assembly for heating devices and the like including a liquid fuel basin-shaped vaporizing chamber having an upstanding side wall arranged to carry a top wall, means arranged to supply liquid fuel to the vaporizing chamber, and spaced combustion chambers having upstanding side walls operatively disposed above the vaporizing chamber and having portions thereof arranged in open communication with portions of the vaporizing chamber, those improvements which comprise a bottom wall and perforate side walls depending from said top wall and defining an auxiliary air supply passageway extending across said vaporizing chamber in the upper regions thereof and between the spaced combustion chambers, the top wall of the vaporizing chamber having inlet ports adjacent the ends of the passageway for admitting extraneous air thereto.

2,498,818
EVAPORATIVE AIR COOLER AND CONDITIONER
James E. Nogle, Phoenix, Ariz., assignor of one-half to Theodore Lawrence, Phoenix, Ariz.
Application October 3, 1947, Serial No. 777,833
1 Claim. (Cl. 261—91)



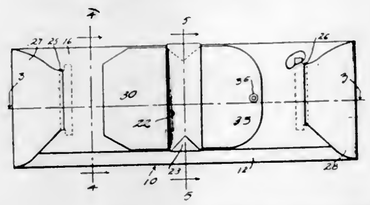
An evaporative type cooling apparatus comprising, a receptacle adapted to contain a cooling liquid in the bottom thereof and having a side wall extending around the receptacle, a first wall disposed within the receptacle and extending from the bottom thereof to adjacent its top, said first wall having a flared frusto-conical upper end secured to the side wall at its outer edge and combining with the first wall to separate the inner and top part of the receptacle from the outer part thereof, said side wall having inlet openings communicating with its outer part and discharge openings communicating with its upper part and above the flared upper end of the first wall, a second wall disposed within the first wall and spaced therefrom and terminating below said flared upper end, a filter material forming a porous wall disposed between said first and second walls, said first and second walls being perforated from beneath and adjacent the upper end of the porous wall to below the liquid level of the receptacle, said receptacle having an inverted cone-shaped top wall disposed above and spaced from said flared upper end and terminating at its outer edge above the discharge openings, a driven shaft journaled in the receptacle and extending within said second wall, a fan fixed to the shaft within the first wall and above the second wall for drawing air into the outer part of the receptacle through the inlet openings through the perforations of the first and second walls and through the porous wall and forcing the air outwardly between the flared upper end and said top wall and through said discharge openings, and a conduit carried by the shaft and having a lower inlet end opening into the cooling liquid and facing in the direction of rotation of the shaft into which the liquid is forced by the said rotation, said conduit having an opposite, discharge end opening downwardly into the space between said first and second walls and above the porous wall for equally distributing the liquid thereover as the driven shaft is revolved for maintaining said porous wall in a uniformly moistened condition.

2,498,819
APPARATUS FOR HANDLING AIRCRAFT CARGO
George O. Noville, Van Nuys, Calif., assignor to Great American Universal Aircraft Loading Service, Los Angeles, Calif., a corporation of California
Application May 20, 1944, Serial No. 536,647
7 Claims. (Cl. 244—137)



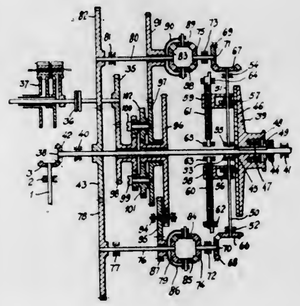
1. In combination, an aeroplane having a fuselage with window openings at opposite sides, an arm arranged to extend simultaneously through both of the openings, a rail supported by the arm within the fuselage to extend longitudinally thereof, and standards located wholly at the exterior of the fuselage supporting the arm independently of the fuselage.

2,498,820
STITCHLESS BILLFOLD
Rolla F. Ogg, Eugene, Oreg.
Application October 24, 1947, Serial No. 781,981
1 Claim. (Cl. 150—38)



A stitchless billfold comprising a substantially rectangular blank divided into four sections by three parallel fold lines, one of the intermediate sections forming an outer wall and the other of the intermediate sections forming an inner billfold wall, the end sections providing a pair of lining walls, said inner wall section being formed with a full width slot disposed along the medial line thereof, an elongated pocket forming tongue extending from each of the opposite ends of said inner wall section, each of said tongues having a pocket closing flap on the free end thereof adapted to extend through said medial slot, said outer wall section being formed with a locking tongue extending from each of the opposite ends thereof, and a pair of locking-tongue receiving slots formed in said inner wall section disposed parallel to said medial slot and spaced equidistantly from and adjacent to the opposite ends of said inner wall section, said pair of slots being adapted to receive the corresponding ones of said locking-tongues for holding the folded blank in assembled billfold forming relationship.

2,498,821
GEAR CHANGING SYSTEM
Birger Sten Olsson, Linhamn, Sweden, assignor to Aktiebolaget Ljungmans Verkstader, Malmo, Sweden, a corporation of Sweden
Application September 19, 1946, Serial No. 697,896
In Sweden February 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1965
3 Claims. (Cl. 74—681)

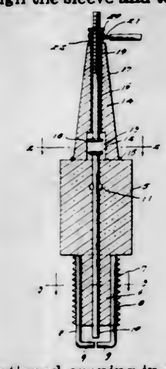


1. In a gear changing system, a driving shaft, a gear wheel having a number of gear rims of different diameter, the diameter and number of teeth of one of said gear rims being selected optionally and the difference in the number of teeth between adjacently situated gear rims being constant and independent of the number of teeth on said one gear rim, a transmission for driving said gear wheel from said driving shaft, at least two further shafts, a gear wheel movable along each of said further shafts for independent engagement with any one of said gear rims, a differential gear unit for each of said movable gear wheels and each having two driving gear wheels, two planet wheels and an output gear wheel, transmissions for driving one of said driving gear wheels of each of said differential gear units from said driving shaft, a transmission between said movable gear wheels and the second driving gear wheel of each of said differential gear units, the movements of said two driving gear wheels of each of said differential gear units being opposite in direction, a gearing for the combination of the movements of said output gear wheels of said differential gear units and an output gear wheel in said gearing receiving said combined movement.

2,498,822
SPARK PLUG
Gilbert H. Palmer, Ardmore, Okla.
Application May 11, 1945, Serial No. 593,199
1 Claim. (Cl. 123—169)

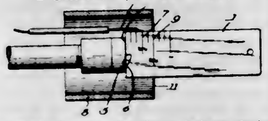
A spark plug comprising a main body of dielectric material having a central electrode fixed therein and projecting a substantial distance above the top and below the bottom thereof, a pair of diametrically opposed ground electrodes affixed in the sides of the lower portion of the body and terminating in spaced relation to the lower end of the central electrode, a riser of transparent material of upwardly tapering form secured at its lower portion to the top of the main body, said riser having an opening in the lower portion thereof for receiving the upper end of the central electrode, said riser being formed with an

opening extending upwardly from the first mentioned opening and through the top of the riser, a spacing sleeve in the upper portion of the riser, a supplemental central electrode extending downwardly through the sleeve and terminating within



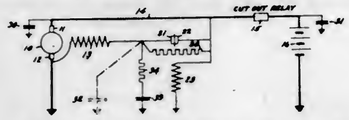
the first mentioned opening in spaced relation to the upper end of the central electrode, and means for adjusting and locking the supplemental electrode longitudinally in the riser and with respect to the central electrode.

2,498,823
GAUGE FOR OIL BURNERS
Edgar M. Peterson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 31, 1947, Serial No. 765,074
1 Claim. (Cl. 33—180)



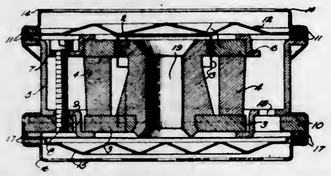
In a measuring rule for determining simultaneously a plurality of dimensions on an oil burner nozzle and its related parts such as the length and spacing of the burner electrodes and the projections of the air chamber sleeve beyond the electrodes, the said measuring rule consisting of a substantially rectangular plate having straight edges at right angles to each other, the thickness of the said plate-like member being substantially equal to the desired space between the tips of the electrodes of the burner nozzle, the said plate-like member having on at least one of its longitudinal edges a series of graduations to measure the distance the tips of the electrodes extend beyond the end of the nozzle and also having on the said longitudinal edge an extension of the said series of graduations to measure the projection of the air chamber sleeve respectively beyond the end of the nozzle and the tips of the electrodes, the said plate-like member having a transverse end surface, the said latter surface being notched or cut-away, the latter notch having a longitudinally extending edge perpendicular to the said transverse end surface and having an edge lying in the same plane as the transverse end surface of the plate-like member to bear against an end surface portion of the nozzle, whereby the location of the outlet aperture of the oil burner nozzle at its end limit relative to the electrode tips is established by visual determination of the alignment of the longitudinally extending edge of the notch with the outlet aperture of the burner nozzle.

2,498,824
BATTERY CHARGING SYSTEM
William J. Rady, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 18, 1945, Serial No. 605,672
3 Claims. (Cl. 320—69)



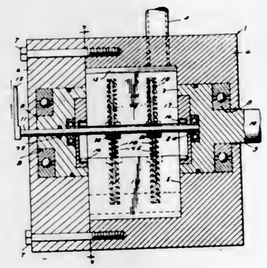
3. In combination, a storage battery; a generator having a field coil for charging the battery; a voltage regulator including contacts in a charging circuit for connecting a terminal of the field coil with the generator and the battery; a resistance connected across the contacts and adapted to be shunted thereby, said resistance completing the charging circuit when the contacts are open; a condenser connected to said circuit, said condenser having one terminal grounded and having the other terminal connected to the terminal of the field coil; and a second resistance for reducing the discharge current of the condenser when the contacts separate and thereby reduce transfer of contact material between the contacts, said second resistance being connected in series relation with the last two mentioned terminals.

2,498,825
MOVING COIL TRANSDUCER AND ENCLOSURE
Claude Langdon Richards, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn.
Application January 19, 1945, Serial No. 573,474
In Great Britain September 15, 1943
3 Claims. (Cl. 179—115.5)



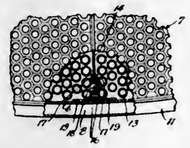
2. An acoustic device comprising a magnet system having an annular air-gap therein at one end thereof and an air passageway therethrough from said one end to the opposite end thereof, a diaphragm including a conical central portion and a flexible outer portion, a coil supported by said diaphragm, said diaphragm being positioned adjacent said one end of said magnet system and facing one end of said passageway and having said coil in said air-gap, a flexible wall positioned adjacent said magnet system at said opposite end thereof, said wall facing the other end of said passageway, a cup-shaped casing surrounding said magnet system and having an inturned flange abutting one of said ends thereof, means for clamping said diaphragm to said casing, a rigid ring, means clamping said flexible wall to said ring, a fixing cap abutting the other of said ends of said magnet system, and unitary means for fastening said fixing cap to said casing for clamping said magnet system between said fixing cap and said inturned flange and also clamping said ring to said casing whereby a dust and moisture-proof enclosure for said magnet system is provided that may easily be assembled or disassembled as desired.

2,498,826
VARIABLE VOLUME ROTARY VANE PUMP
Arthur Ernest Ruona, Fairfax, Minn.
Application October 18, 1946, Serial No. 704,121
3 Claims. (Cl. 103—120)



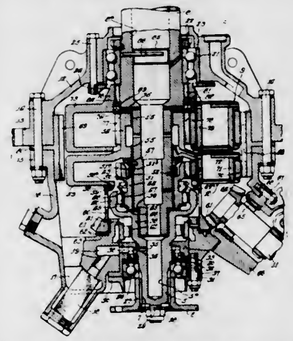
3. In a rotary pump having a hollow casing provided with a cylindrical inner wall and closed ends, and an inlet and an outlet passage extending through the wall thereof, a hollow cylindrical rotor smaller than the hollow interior of said casing eccentrically journaled in said casing to contact said interior casing wall between said inlet and outlet passages and having radially-extending, angularly-spaced, longitudinal slots therein, vanes slidably mounted one in each of said slots, and spring means urging said vanes outwardly of said rotor to resiliently maintain the outer edges of said vanes in contact with said casing inner wall, capacity adjusting means for said pump comprising a shaft extending through said rotor and journaled in said casing, and cam means on said shaft operatively engaging said vanes to control the contact of the outer edges of said vanes with said casing inner wall upon rotation of said shaft.

2,498,827
OVAL OIL COOLER CONSTRUCTION
Joe C. Shaw and Earl H. Kidd, Racine, Wis., assignors to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application October 1, 1945, Serial No. 619,668
4 Claims. (Cl. 257—128)



1. A heat exchange unit of the class described comprising, an elliptical housing adapted to enclose a core unit formed of a battery of tubes disposed axially of said housing and located on the opposite sides of a plurality of transversely-extending tubes spanning the long dimension of said housing and forming an interal chamber, a baffle plate interposed between said axially disposed tubes and extending transversely of and between said housing and said transversely extending tubes, a pair of angle bars having their oppositely-disposed flanges bonded to the inner face of said housing so as to position the parallel flanges thereof in abutting engagement with the opposite faces of said baffle plate along the outer edge thereof, and a second pair of angle bars having their oppositely-disposed flanges anchored to said transversely extending tubes to position the parallel flanges in abutting engagement with the opposite faces of said baffle plate along the inner edge thereof, said pairs of interfitting angle bar flanges and said baffle plate being crimped to form interlocking shoulders offset from the respective planes thereof whereby said baffle plate and angle bars are secured against relative movement transversely of said housing.

2,498,828
TRANSMISSION GEARING
William L. Sheppard, Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 1, 1943, Serial No. 493,012
7 Claims. (Cl. 74—801)



1. A transmission gearing adapted for operation on a vertical axis, embodying co-axial drive and driven shafts, a planetary gear train assembly, including a planet gear carrier, drivingly connecting said shafts, an auxiliary shaft independent of said drive and driven shafts, a bevel gear spaced from the carrier of said planetary gear assembly and actuated thereby, and a bevel pinion operating in the space between said bevel gear and said carrier, said pinion being connected to and actuating said auxiliary shaft.

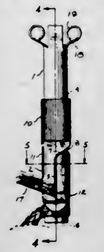
2,498,829
COMBINATION TOOTH PASTE TUBE AND TOOTHBRUSH
José A. Lajara Torres, Utuado, P. R.
Application June 24, 1947, Serial No. 756,737
5 Claims. (Cl. 132—84)



1. The combination comprising an elongated tooth paste container closed at its rearward end and formed with an open nozzle on its forward end, a tooth brush comprising a brush head and a rearwardly extending handle part, said tooth

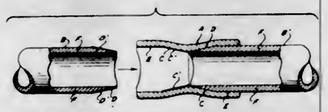
brush being positioned longitudinally of said container with said brush head forwardly of said nozzle and with said handle part lying along said container, said tooth brush having a nozzle closing portion, said handle part having laterally spaced portions positioned at opposite sides of said container having laterally inwardly projecting pins pivotally and slidably engaging in longitudinal slots formed in opposite sides of said container whereby said tooth brush can be moved longitudinally and laterally relative to said container from a position in which said tooth brush is angulated with respect to said container and said nozzle is exposed to deposit tooth paste upon said brush head to a position in which said tooth brush is longitudinally aligned with said container and said nozle closing portion of said toothbrush closes said nozzle, and wherein said container serves as a handle for said tooth brush.

2,498,830
HAIR CURLING DEVICE
John Tusay, Highland Park, Mich.
Application December 17, 1946, Serial No. 716,729
2 Claims. (Cl. 132—33)



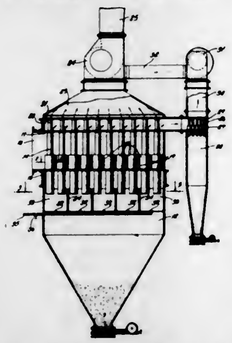
2. In a hair curling device, a mandrel provided with a handle upon one end comprised of slitted and curled end portions thereof, a winder on said mandrel, said mandrel having a projection upon the opposite end to releasably engage said winder; said winder having a slot in substantial alignment with said mandrel, the one end of said slot being opened and widened to permit the insertion of hair therein, the opposite end of said slot being closed at a point substantially near the base of said winder, said winder being provided with a concave projection adjacent the said opposite end of said slot, said projection being adapted to maintain said hair in position in said slot.

2,498,831
PIPE JOINT
Frederick J. Veitch, Flushing, N. Y.
Application October 18, 1947, Serial No. 780,671
4 Claims. (Cl. 285—161)



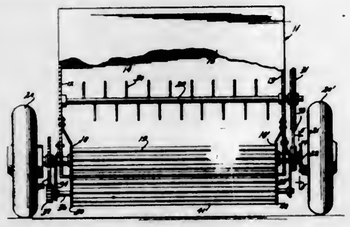
1. A pipe joint for use as a connection means between a plastic pipe and a plastic pipe fitting having tubular walls substantially non-collapsible, said pipe fitting having a cone shaped inner wall engaging a tapered end of said pipe, the end of said pipe fitting extending longitudinally from said cone shaped inner wall snugly engages the longitudinal outer wall of said pipe, and having an adhesive sealing means between said engaging walls, whereby the end of said pipe fitting snugly engaging the longitudinal outer wall of said pipe acts as a jig or a vice locking said pipe joint against displacement during the setting or hardening of said adhesive sealing means.

2,498,832
APPARATUS FOR CLASSIFYING AND SEPARATING SUSPENDED PARTICLES FROM GASES
John E. Watson, Westport, Conn., and Charles B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn., a corporation of Connecticut
Application May 13, 1946, Serial No. 669,290
9 Claims. (Cl. 209—144)



1. Apparatus for classifying and separating suspended particles from gases which comprises a plenum chamber, an off-take chamber above said plenum chamber, a dust bin below said plenum chamber, centrifugal tubes in said plenum chamber to receive dust laden gases therefrom and delivering into said dust bin, said centrifugal tubes each having an off-take pipe extending into said off-take chamber, downwardly extending partitions in the upper part of said bin spaced to form compartments enclosing the lower ends of groups of said centrifugal tubes and means for admitting gases in controlled amounts to said compartments.

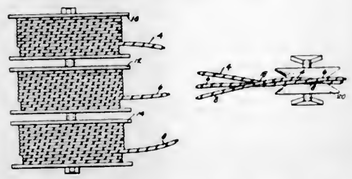
2,498,833
FERTILIZER SPREADING MACHINE
Henry J. Weyer, Inglewood, Calif.
Application October 25, 1946, Serial No. 705,643
2 Claims. (Cl. 275—2)



1. A fertilizer distributing machine comprising a hopper, a first shaft journalled in said hopper adjacent the bottom thereof, a second shaft journalled in said hopper above said first shaft,

a relatively small pulley on said first shaft, a relatively large pulley on said second shaft, a belt coupling said pulleys, a plurality of agitating blades secured to said first shaft, a plurality of agitating teeth secured to said second shaft, a pair of ground-engaging wheels journalled on said first shaft, means for transmitting rotation of said wheels to said first shaft responsive only to forward rotation of said wheels, said hopper being formed with a discharge opening adjacent said blades of said first shaft, support means extending downwardly from said hopper adjacent said discharge opening, a third shaft journalled in said support means beneath said discharge opening, a plurality of agitating and distributor blades on said third shaft, a relatively small gear on said third shaft, and a relatively large gear on said first shaft, said gears being in mesh.

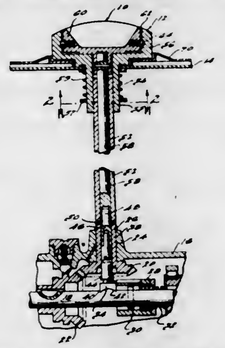
2,498,834
APPARATUS FOR INSTALLING ELECTRIC POWER CABLES
Charles E. Bennett, Ridgewood, and Paul V. White, Waldwick, N. J., assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application January 9, 1948, Serial No. 1,448
1 Claim. (Cl. 175—376)



In combination, a plurality of individually insulated electric cable conductors having their leading ends twisted together, a pipe line into which the conductors are to be installed simultaneously, a let-off or supply reel for each conductor disposed adjacent one end of the pipe line, a pulling windlass adjacent the opposite end of the pipe line, a pulling cable threaded through the pipe line and having one end attached to the windlass and its other end attached to the said leading end of the conductors, a V-pulley intermediate the twisted-together leading end of the conductors and the adjacent end of the pipe line and so positioned that the conductors must ride in the periphery of the pulley as they are drawn into the pipe line by the windlass so that as the twisted together leading ends of the conductors engage the pulley the conductors will be caused to rotate as a unit throughout the pulling-in operation.

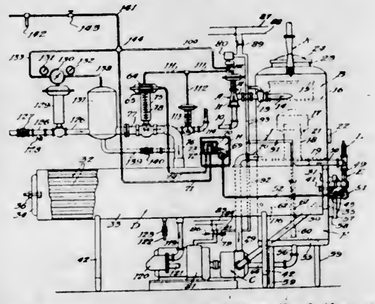
2,498,835
CONTROL KNOB
Hyman D. Brotman, Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana
Original application January 18, 1945, Serial No. 573,362. Divided and this application March 29, 1946, Serial No. 658,287
2 Claims. (Cl. 74—479)

1. In a washing machine having a shaft which may be turned to advance the cycle of operations of said machine and a cam mounted on said shaft which controls, by its position axially of said shaft, the temperature of the inlet water, a control mechanism comprising an inner part and an outer part, said outer part being operable to turn said shaft to control the cycle of operations of said washing machine and comprising a tubular member having a knob mounted on one end and means connected to its other end cooperable with means mounted on said shaft for turning said shaft upon rotation of said knob, said inner part



being operable to vary the position of said cam axially of said shaft, and comprising an inner knob received within a recess formed in said knob, a rod disposed within said tubular member and having said inner knob mounted on one end thereof, and means operatively connected to its other end for varying the position of said cam axially of said shaft upon rotation of said inner knob.

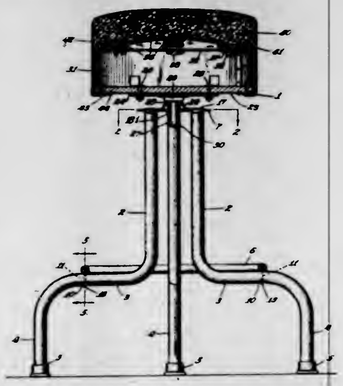
2,498,836
APPARATUS USED IN THE PROCESSING OF FRUIT AND VEGETABLE JUICES AND THE LIKE
Joseph A. Cross, Westerville, Ohio, assignor to Mojonnier Bros. Co., a corporation of Illinois
Application May 11, 1945, Serial No. 593,141
17 Claims. (Cl. 99—252)



5. In apparatus of the class described, the combination of a vacuum chamber, a liquid supply inlet to said chamber, means in said chamber for fanning out the liquid admitted through said inlet, means for vacuumizing said chamber, diaphragm means for dividing said chamber into an upper part and a lower part, a tubular passageway therebetween, an outlet from the upper part of said chamber communicating therewith at a point just above said diaphragm means, a pasteurized liquid inlet to the lower part of said chamber communicating therewith at a point just

below said diaphragm means, flash pasteurizing means taking the liquid from said outlet just above said diaphragm means and after pasteurizing it passing it on to the lower part of said chamber through said pasteurized liquid inlet whereby the gases resulting from said quick pasteurization pass through said tubular passageway into engagement with the fanned out incoming liquid to preheat it, and means for removing the liquid product from the lower portion of said chamber.

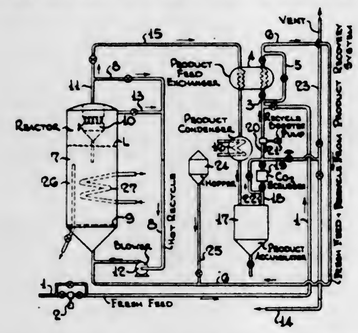
2,498,837
SEAT CONSTRUCTION FOR STOOLS AND THE LIKE
Harry A. Gelman, Chicago, Ill., assignor to Comfort Lines, Inc., Chicago, Ill., a corporation of Illinois
Application October 5, 1946, Serial No. 701,465
6 Claims. (Cl. 155—184)



5. A seat comprising: a floor; a sheet metal drum member encircling the peripheral edge of said floor and extending upwardly above said floor; means for transmitting vertical load from said seat member to said floor, comprising a plurality of uniformly spaced lugs turned in from the body of said sheet metal member and overlying the upper surface of said floor; means fastening each lug to said floor; a spring head carried by said sheet metal member; said sheet metal member having integral sockets formed by bending in a strap out of the body of said sheet metal member; said spring head including terminal portions shaped to enter said integral sockets; and a cushion pad supported on said spring head.

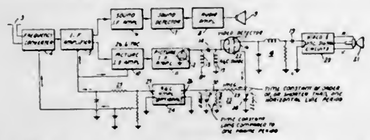
2,498,838
SYNTHESIS OF HYDROCARBONS
Lindsay I. Griffin, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 12, 1945, Serial No. 615,859
9 Claims. (Cl. 260—449.6)

1. Process for producing hydrocarbons from carbon oxides and hydrogen, which comprises passing a mixture of carbon oxides and hydrogen at a synthesis temperature through a reaction zone in contact with a dense turbulent mass of finely divided fluidized synthesis catalyst forming a well defined upper level which separates said mass from an upper low density catalyst zone, withdrawing heat from said mass by indirect heat exchange within said reaction zone, withdrawing product gases from the catalyst, recycling a major portion of the product gases substantially at the temperature of their withdrawal directly to the catalyst, passing a minor portion of the product gases through a product recovery system to remove reaction products therefrom and recycling tail gas from the product recovery system



to the catalyst, the amount of total gas recycled to the catalyst being less than 20 times and at least 1.5 times the volume of fresh feed gas but sufficient to maintain the catalyst in a highly turbulent state and the ratio of gas recycled from the product recovery system to gas recycled directly to the catalyst falls within the range of about 0.1 to about 0.5.

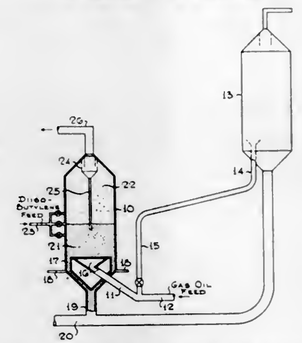
2,498,839
DOUBLE TIME CONSTANT AUTOMATIC VOLUME CONTROL CIRCUIT
John W. Hayward, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 25, 1947, Serial No. 782,209
2 Claims. (Cl. 178—7.3)



1. In a television receiver adapted to receive a television signal having predetermined line and frame periods, an automatic gain control circuit comprising: a rectifier element; a π-type load network for said rectifier element, the input shunt arm of said network comprising a capacitance C_1, the series arm of said network comprising a resistance R_1, and the output shunt arm of said network comprising a capacitance C_2 and resistance R_2 in parallel relation; the product R_1C_1 being greater than the horizontal blanking interval but substantially less than one horizontal line period, while the product R_2C_2 is greater than one frame period; means for applying a carrier wave to said rectifier element, said carrier wave being amplitude modulated with both picture and synchronizing intelligence; and means for utilizing the rectified voltage developed across the output shunt arm of said network for controlling the gain of said television receiver.

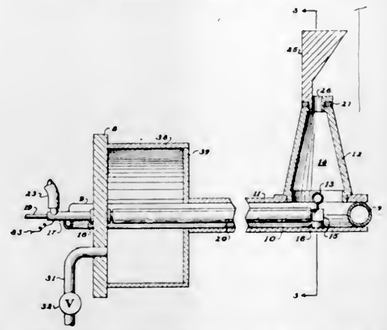
2. The combination claimed in claim 1, characterized in that the product R_1C_1 is of the order of 20 microseconds.

2,498,840
CATALYTIC CRACKING OF DIISOBUTYLENE
Frank B. Johnson, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 14, 1947, Serial No. 786,044
6 Claims. (Cl. 196—52)



1. In the method of cracking higher boiling hydrocarbons by passing them upwardly through a mass of solid contact particles which catalyst particles are maintained in a dense phase, dry fluidized liquid like condition in the lower portion of a reaction zone and in a dilute phase in the upper portion of the reaction zone, the step which comprises injecting a normally liquid isobutylene polymer into the reactor at a level not below the dense-phase dilute phase interface in order to subject said polymer to relatively milder cracking conditions than the higher boiling hydrocarbon feed stock is subjected to and to crack said polymer principally to isobutylene.

2,498,841
ION SOURCE
L. D. Percival King, Santa Fe, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application June 1, 1945, Serial No. 597,019
3 Claims. (Cl. 250—84)



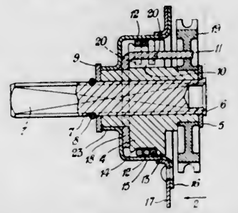
1. Apparatus for the production of ions comprising a frusto-conical chamber, a capillary passage positioned axially of the frusto-cone and providing an opening into the chamber, a metal deflecting member having a plane surface supported outwardly of the capillary passage and at an acute angle to the axis thereof, an electron source filamentary electrode supported in the base of the frusto-conical chamber, means for impressing an ionizing potential between the filament and frusto-conical chamber walls and means for introducing a selected gas in said chamber.

2,498,842
INSULATING HOLDER FOR HEATING UNITS
Kuno R. Kuenne, Oconomowoc, Wis., assignor to A. J. Lindemann & Hovelson Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 2, 1949, Serial No. 108,219
4 Claims. (Cl. 219—19)



1. In a device of the character described, a sheet metal base plate having an opening therein through which a holder and support for holding and supporting a resistance wire may be inserted and removed, a resistance wire holder of insulating material comprising a base of greater length than said opening, a resistance wire engaging portion and a connecting portion between it and the base, said base extending when in normal position beyond said opening on the side of the plate opposite said engaging and connecting portions, said holder having a recess near the junction of the base and connecting portions of a size and positioned to receive one edge of the opening, a step opposite said recess spaced from the bottom of said recess a distance approximately equal to the length of said opening, the distance from one lateral extremity of said base to the nearest opposite boundary of said connecting portion being not greater than the longest diameter of said opening.

2,498,843
LOCKING DEVICE IN IRREVERSIBLE TRANSMISSIONS
Sydney Pile, London, England, assignor to Teleflex Products Limited, London, England, a British company
Application February 24, 1948, Serial No. 10,414
In Great Britain July 16, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 16, 1966
2 Claims. (Cl. 192—8)



1. In a device of the character described, a fixedly mounted housing having a cylindrical wall, a driving spindle rotatably mounted in said housing and having a hub secured thereto so as to rotate with said spindle, said hub being provided with a radial slot in its outer circumference, a helical spring surrounding said hub and having its ends bent inwardly into said slot, said spring engaging resiliently with its outer

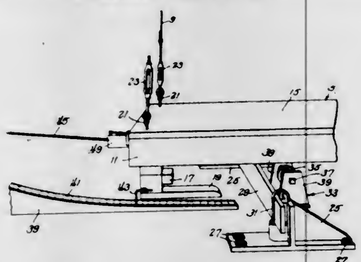
circumference the inner face of the cylindrical wall of said housing, a driven wheel having a circumferential notch mounted freely rotatable at one end of said hub, and a dog integrally formed with a plate bent at right angles thereto, said plate being mounted on the other end of said hub and said dog extending through said radial slot in said hub and between the inwardly turned ends of said helical spring, the free end of said dog engaging the notch in said driven wheel.

2,498,844

IMPACT AND ACCELERATION TESTING

George R. Sears, Robert D. Rae, and Johannes A. Van den Akker, Appleton, Wis., assignors to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin

Application August 16, 1947, Serial No. 769,016
4 Claims. (Cl. 73—12)



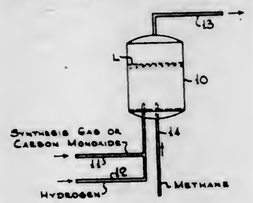
3. In apparatus for testing objects, a generally horizontally disposed platform having a load-supporting surface upon which various objects under test are disposed, means for supporting said platform for swingable movement in an arc of determined radius between a forwardly disposed rest position and a rearwardly disposed release position elevated with respect to said rest position, a beam fixedly positioned in the path of movement of said platform, means on said platform for engaging said beam, a forwardly extending tongue attached to said platform, and a fixed guide positioned to receive said tongue when said platform is in said forwardly disposed rest position, said tongue and said guide co-acting to prevent vertical movement of said platform in the region of said rest position.

2,498,845

HYDROCARBON SYNTHESIS REACTION

Lloyd B. Smith and Robert W. Krebs, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

Application May 7, 1946. Serial No. 667,786
5 Claims. (Cl. 260—449.6)



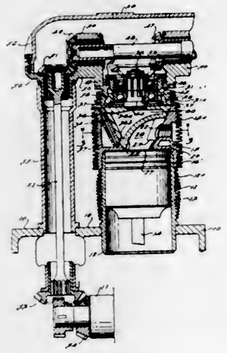
1. An improved process for the synthesis of hydrocarbons containing more than one carbon atom in the molecule which comprises treating a finely divided fluidized iron type catalyst with hydrogen, then treating said catalyst with methane gas in the absence of oxide of carbon, then contacting said catalyst with synthesis gases comprising hydrogen and oxides of carbon in gradually increasing amounts together with methane under synthesizing conditions until the synthesis gases represent 100% of the fresh feed to start a synthesis run, and continuing the last-mentioned feed for the major portion of the synthesis run.

2,498,846

ROTARY VALVE INTERNAL-COMBUSTION ENGINE

Albert P. Ball, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application September 7, 1945, Serial No. 614,849
1 Claim. (Cl. 123—80)



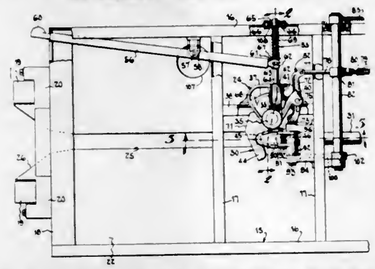
In an internal combustion engine having a cylinder, a reciprocable piston in said cylinder, and a cylinder head provided with a generally frusto-conical bearing surface bounding a valve cavity in communication with an exhaust conduit, an inlet conduit, and an ignition device provided in said cylinder head, a rotary valve having a generally frusto-conical bearing surface journaled within the bearing surface bounding said cavity, said valve also having a combustion chamber comprising a substantial portion of the combustion space, a port communicating between said combustion chamber and said cylinder, and a side port communicating with said combustion chamber and adapted to register successively and intermittently with said ignition device, exhaust conduit and intake conduit, said combustion chamber having a curved inner roof wall extending uninterruptedly from one port to the other and cooperating with an outer wall of said valve to enclose a chamber within said valve, a thermal conductive medium within said chamber, and oil conduit means for conveying oil directly to the outer bearing surfaces of the valve at separated points located at the opposite side of the cylinder head from said ignition device and between said inlet and exhaust conduits, said oil conduit means and cooperating bearing surfaces of the valve and head being separated from the combustion chamber by said thermal conductive medium in the valve when said valve side port registers with the ignition device at the time of firing, and said conduit means being unexposed to the valve side port during operation.

2,498,847

COUPLING MECHANISM FOR TRACTOR-TRAILER COMBINATION

James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a corporation of Delaware

Application August 9, 1946, Serial No. 689,311
20 Claims. (Cl. 280—33.05)



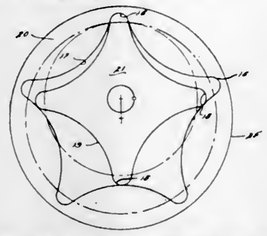
1. In a tractor-trailer combination wherein the tractor includes a king pin adapted to cooperate with coupling means on the trailer; a coupling jaw pivotally mounted on the front end of the trailer for swinging movement in a horizontal plane, means on the trailer for guiding the king pin into coupling relationship with the jaw, said jaw including cam means, brake linkage extending from the cam means for actuating the trailer brakes, said cam means effective for operating said brake means to set the brakes when the coupling jaw is swung to uncoupling position, a latch for securing the coupling jaw in coupled position, said latch effective automatically to latch the coupling jaw in coupled position, means for manually releasing said latch, a prop actuating rod guided in the trailer, said prop operating rod actuated by means of the king pin, a service brake operating lever pivotally mounted on the end of the prop operating rod, said king pin including a pin axially thereof adapted to cooperate with the lever for actuating the brake lever on the prop operating rod, and linkage connecting the lever to said brake linkage.

2,498,848

GEAR UNIT

Alanson P. Brush, Detroit, Mich., assignor of one-half to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 14, 1947, Serial No. 747,905
7 Claims. (Cl. 74—462)



1. A pair of outer and inner mating gears having a tooth difference of one, the entire contour of each gear consisting of a single continuous curve uniformly spaced from a series of contacting hypocycloids developed on the inside of the respective pitch circles of said gears and having joining ends contacting at common points on said respective pitch circles.

2,498,849

EXTRACTION AND RECOVERY OF RUTIN

Jesse Charney, New York, N. Y., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application July 3, 1947, Serial No. 758,993
11 Claims. (Cl. 260—210)

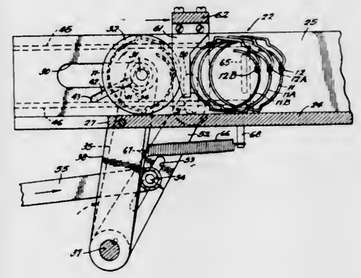
7. In a process of purifying crude rutin containing oil-soluble impurities, the steps of distilling a solution of said crude rutin in a distillable polar solvent in the presence of a distillable hydrocarbon fraction having a boiling range substantially above the boiling point of the polar solvent when in admixture with the latter, thus removing polar solvent from the distillation mixture, whereby rutin is precipitated in the distillation residue and oil-soluble impurities remain in solution in the hydrocarbon fraction, and recovering purified rutin from the distillation residue.

2,498,850

STACKER MECHANISM FOR COIL SPRINGS

Calvin G. Corser, Chicago, Ill., assignor to Johnson Spring Cushion Company, Chicago, Ill., a corporation of Illinois

Application February 6, 1948, Serial No. 6,652
5 Claims. (Cl. 214—6)



1. A stacker mechanism for coil springs comprising a pair of spaced side plates, a pair of spaced discs slidably and rotatably mounted between the side plates for receiving coil springs to be stacked and for advancing and rotating the same, a pair of spaced fingers slidably mounted between the side plates for ejecting the rotated coil springs from between the discs, for stacking the coil springs between the side plates and for advancing the stacked coil springs between the side plates, and means for slidably and rotatably moving the discs and for slidably moving the fingers in timed relation.

2,498,851

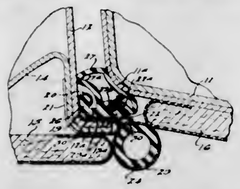
WEATHER STRIP FOR VEHICLE DOORS

Clifford B. Doty, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application June 8, 1946, Serial No. 675,401
16 Claims. (Cl. 296—44)

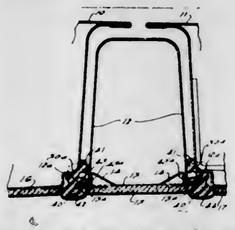
1. In a vehicle body having a door frame provided with a jamb face and an edge member adjacent the inner marginal edge of the jamb face extending outwardly of the latter into the door opening, a metal piece having a channel embracing said edge member and a projecting portion positioned at said jamb face, a resilient weather-

strip comprising a portion secured to said projecting portion adjacent said channel and within the angle between said jamb face and edge member, a second portion integral therewith and



extending into the door opening for engagement by the door, and a third portion integral with said first and second named portions extending into position to form a windlace.

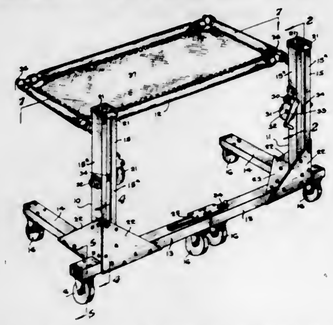
2,498,852
WEATHER STRIP FOR VEHICLE DOORS
Clifford B. Doty, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Substituted for abandoned application Serial No. 459,659, September 25, 1942. This application November 6, 1946, Serial No. 708,079
7 Claims. (Cl. 296—44)



1. In a vehicle body having a door frame provided with a jamb face terminating in a flange extending transversely thereof toward the edge of the door, an elastic weatherstrip provided with a longitudinal groove into which said flange extends and a rib adjacent and parallel thereto, and a metal clip having a channel embracing said rib and a portion extending into said groove and overlapped at opposite sides by the side walls of the groove and permanently secured to said walls, said clip also having a tab projecting laterally from the strip and adapted to be anchored in a recess in said door frame, said strip having portions at opposite sides of said groove for engagement by spaced edge portions of the door.

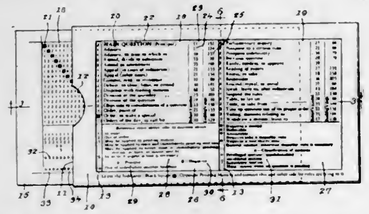
2,498,853
INVALID LIFTING APPARATUS
Victor C. Hassold, Wyndmoor, and Josephus T. Ullom, Philadelphia, Pa.
Application November 7, 1947, Serial No. 784,684
5 Claims. (Cl. 5—86)

2. In an invalid lifting device of the character aforesaid, a flexible stretcher sheet adapted for disposition beneath the body of an invalid recumbent on a bed, a separable frame for said stretcher sheet comprising one pair of tubular members extending widthwise of the sheet and a second pair of members extending lengthwise thereof, the members of said second pair being provided at each end thereof with a coupling element terminating in a collar adapted for axial registry with a tubular member aforesaid, and a pair of vertically adjustable supporting rods projectable through each of said tubular mem-



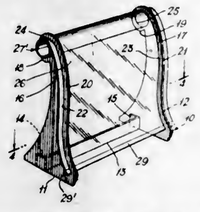
bers and the collars axially in registry therewith to support said stretcher sheet extended between said frame members.

2,498,854
POCKET PARLIAMENTARY LAW INDICATOR
Edwin M. Hazel, Chicago, Ill.
Application April 29, 1946, Serial No. 665,854
1 Claim. (Cl. 35—21)



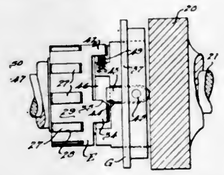
In a device of the character described, the combination of a substantially rectangular first side sheet and a second side sheet folded back and coextensive with the same, means securing the free longitudinal edges of said sheets together to form an envelope, a substantially rectangular slide slidably supported by and between said sheets, said slide being adapted to be manually adjusted relative to said sheets, said first sheet having a pair of spaced substantially rectangular slots extending perpendicularly to the longitudinal axis of said sheet, one of said slots being intermediate the ends of the sheet and the other of said slots being adjacent an end of said sheet, said second sheet having a pair of rectangular slots aligned with the rectangular slots, respectively, of said first sheet, said slots forming windows for exposing selected portions of said slide, said first sheet between its parallel slots and between one of said slots and an end of said sheet containing lines of question phrases pertaining to parliamentary motions, said lines being parallel to the longitudinal axis of said first sheet, said second sheet between its parallel slots and between one of said slots and an end of said second sheet containing lines of phrases of parliamentary significance in answer to the question phrases on said first sheet, said lines being parallel to the longitudinal axis of said second sheet, said slide having on the obverse side thereof a series of columns of aligned indicia parallelly arranged relative to said slots, the indicia of each column including an index mark whereby said slide can be adjusted in said envelope to expose a column of indicia through a slot of said first sheet and to align an index mark of the exposed column with a question phrase line on said first sheet, said slide in its reverse side having a series of columns of aligned indicia, each said column adapted to be selectively exposed through the window slot of said second sheet, the last-mentioned indicia being aligned with predetermined lines on said second sheet, whereby said latter lines will be the answer to the question phrase on the first sheet aligned with the index mark.

2,498,855
DISPLAY DEVICE
Herman Harry Hutt, Brooklyn, N. Y.
Application March 6, 1947, Serial No. 732,907
14 Claims. (Cl. 40—125)



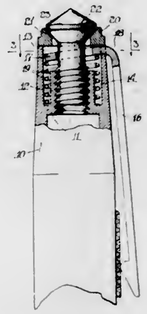
1. A display device of the character described comprising a pair of side frame parts, each part having identical apertures of predetermined irregular curved contour, said apertures terminating, at one common end, in large apertures, a flexible display sheet having at one end a roll adapted for insertion in the large apertures of said frames, the remainder of the sheet being arranged in the first named curved apertures, and said sheet frictionally engaging said apertures in joining said frame parts and spacing said parts one from the other.

2,498,856
ROLLER TYPE OVERRUNNING CLUTCH
Teno Iavelli, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 14, 1945, Serial No. 582,671
11 Claims. (Cl. 192—45)



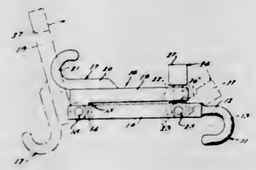
1. In a transmission, a rotatable driving element; a rotatable driven element coaxial with the driving element; one-way drive means operably connecting said elements comprising overrunning clutch means adapted to permit said driven element to overrun said driving element, said overrunning clutch means comprising a plurality of friction driving elements and a cage therefor; means operating through a point on said cage at a predetermined radial distance from said coaxis to rotatably bias said cage about the axis of said elements and in a direction for moving said friction elements into positions effecting one-way friction drive connection of said elements; a cage operating structure comprising a first portion thereof adapted to receive thrust for effecting shift of said cage operating structure in the direction of the axis of said elements and a second portion thereof formed with a cam face; said cage having an integral portion rotatable directly therewith and formed with a cam face adapted for engagement by the aforesaid cam face; transmission change speed means comprising an element shiftable from a first position thereof to a second position, said first portion of said cage operating structure being disposed in the path of movement of said shiftable element and spaced from said shiftable element when the latter is in its said first position such that when said shiftable element moves from its said first position to its said second position then said shiftable element will, with both an impact and motion sustaining action, strike said first portion of said cage operating structure and effect thrusting shift thereof as aforesaid thereby to cause sliding engagement of said cam faces to effect rotation of said cage relative to said cage operating structure in a direction opposite to that effected by said biasing means thereby moving said friction elements into positions for preventing establishment of said one-way drive connection, the effective tangential component of the force existing between said sliding cam faces acting at a point removed at least said predetermined radial distance from said coaxis thereby being afforded an advantageous moment arm for maximum utility of said impact and motion sustaining action in overcoming resistance such as includes the opposing torque exerted by said biasing means.

2,498,857
CLIP FOR PENS OR SIMILAR ARTICLES
Samuel Kanner, New York, N. Y., assignor to The Gilfred Corp., New York, N. Y., a corporation of New York
Application January 15, 1946, Serial No. 641,264
4 Claims. (Cl. 24—11)



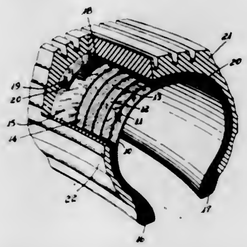
1. A cap construction of the character described, comprising a cylindrical shell having an annular chamber, a clip projecting into said shell over said chamber, a compression spring in said chamber to engage the clip to cause it to clamp against said shell, and a tip to close over the shell to hold the clip therein against the pressure of the spring, the said clip being positioned intermediate of said spring and said tip in said chamber.

2,498,858
PIVOTAL HOOK CLAMP
Casimir J. Krajenka, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 11, 1947, Serial No. 740,883
2 Claims. (Cl. 24—73)



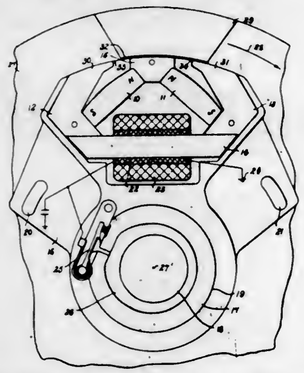
1. A clamping device comprising a lower member and an upper member pivoted together at corresponding ends to permit the upper member to swing from a position above and substantially parallel to the lower member upwardly and outwardly to separate said members, an upper hook secured to the pivoted end of the upper member at a locality above the pivotal connection between the members, a lower hook secured to the end of the lower member remote from said pivotal connection, said hooks on the upper and lower members having hook portions disposed respectively above and below said members and opening in opposite directions, and a detent pivoted to the lower member adjacent the hook thereon and swingable from a released position immediately above said lower hook upwardly to a position in which it releasably locks said members together in superimposed relation.

2,498,859
TIRE
Edward T. Lessig, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 18, 1947, Serial No. 755,341
10 Claims. (Cl. 152—355)



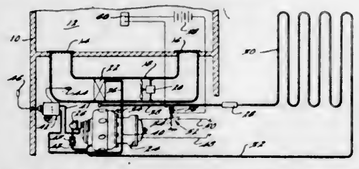
9. A pneumatic tire comprising a body of rubber-like material terminating in bead-portions, a plurality of cord plies disposed in super-imposed relation in said body, a group of said plies comprising cords extending continuously from bead portion to bead portion and another of said plies terminating short of said bead portions with each cord of the ply extending diagonally from margin to margin of the ply and the cords of the last-mentioned ply having substantially greater stretchability per unit of cord material than the cords of the plies of said group, providing resistance to impacts by the coaction of all said plies and said rubber-like material.

2,498,860
IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Willem Luttmer, Bletchley, England, assignor to Wipac Development Limited, Bletchley, England, a British company
Application July 11, 1947, Serial No. 760,446
In Great Britain March 4, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 4, 1966
3 Claims. (Cl. 171—209)



1. An ignition device for an internal combustion engine, comprising a core of magnetic material, a winding surrounding said core, two permanent magnets arranged to apply magneto-motive forces respectively in opposite senses to said core, a magnetic circuit extending between the poles of each magnet and consisting of a structure of magnetic material having two polar surfaces defining a gap of relatively high reluctance, an inductor mounted for rotation about an axis, a surface on said inductor to co-operate with said structure in the vicinity of said gaps, said surface having a length in the direction of said rotation substantially equal to the distance between those of said polar surfaces which are farthest apart in said direction, for reducing greatly the reluctance of each gap alternately.

2,498,861
REVERSE CYCLE REFRIGERATING SYSTEM
Alwin B. Newton, Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 25, 1948, Serial No. 10,793
19 Claims. (Cl. 62—4)



1. In a reverse cycle refrigeration system having an evaporator located in heat transfer relation with a source of heat, a condenser located in heat transfer relation with a substance to be heated and a compressor, unloader means to vary the capacity of said compressor and control apparatus responsive to conditions indicating the available heat in said source and the demand for heat by said substance to control said unloader means and thereby adjust the capacity of said system so that it operates at its optimum efficiency for said conditions.

2,498,862
COATED MINERAL AGGREGATE AND METHOD OF MAKING SAME
Jean Petitjean, Paris, France, assignor to Societe Chimique et Routiere de la Gironde, Bordeaux, France
No Drawing. Application August 1, 1946, Serial No. 687,710. In France February 16, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires February 16, 1959
7 Claims. (Cl. 117—92)

1. A material for surfacing roads and the like, said material comprising a mineral aggregate coated with two successive colloidal layers, the first layer being a tar of the group consisting of coke oven tar, gas tar, water gas tar and wood tar and colloidally dispersed therein an aqueous caustic alkali solution, the second layer being a semi-porous bituminous asphalt, said second layer being impregnated with and the external surface of the second layer being covered with a caustic alkali solution, the said caustic alkali solution impregnating and covering the second layer being a product of the rupture of a colloidal dispersion including said tar and said caustic alkali solution.

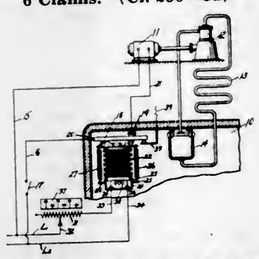
2,498,863
LUBRICATING OIL COMPOSITION
Darwin E. Badertscher and Charles F. Feasley, Woodbury, and Henry G. Berger, Glen Rock, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 30, 1945, Serial No. 613,704
2 Claims. (Cl. 252—45)

1. A mineral oil composition comprising a viscous hydrocarbon fraction and a minor proportion, from about 0.05% to about 5.0%, of a compound represented by the general formula:

$$R'—A—R^2—B—R^3$$

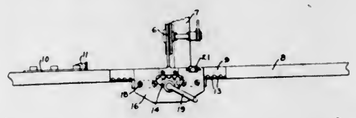
where R′ and R^3 are tertiary lower alkyl groups; R^2 is a divelent lower alkyl group; A is a trithiocarbonate group; and B is a trithiocarbonate group.

2,498,864
TEMPERATURE REGULATION
John J. Root, New York, N. Y.
Application December 20, 1945, Serial No. 636,124
6 Claims. (Cl. 236—51)



5. An operating control for an apparatus for regulating the temperature of a zone, comprising a bellows, a rigid cup member connected thereto and forming a closed chamber therewith, a thermal responsive fluid contained in said chamber, an electrical heater coil within said chamber so as to be in thermal relationship to said fluid, a manually operated variable voltage source, electrical conductors from said variable voltage source to said electrical heater coil so as to produce heat variations therefrom according to predetermined voltage variations applied thereto, hermetic seals in said cup member permitting the introduction of said conductors into said chamber while preventing the escape of said fluid therefrom, an electrical circuit for said apparatus, a switch in said electrical circuit, the responses of said thermal responsive fluid to said voltage variations being operative to effect contraction or expansion of said bellows, the expansion or contraction of said bellows being operative to open or close said switch whereby the operation of said apparatus is controlled according to said voltage variations, spring means for maintaining said bellows in a normal state of contraction so that the expansion of said bellows pursuant to the heating of said fluid takes place against the action of said spring means, said bellows being disposed in the zone served by said apparatus so that the influences of said heater coil upon said fluid are modified by the temperature conditions created by said apparatus.

2,498,865
GAUGE FOR CUTOFF SAW TABLES
Eugene Albert Snow, Lynwood, Calif.
Application July 18, 1946, Serial No. 684,506
3 Claims. (Cl. 143—176)

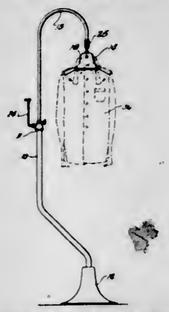


1. The combination with a cut-off saw and table, of a gauge embodying a channel member secured along the front edge of the table, a gauge bar slidably mounted within the channel bar and having graduations formed thereon, said gauge bar having teeth formed along the lower surface thereof, portions of the channel bar being extended downwardly, providing opposed flanges, a gear housing substantially U-shaped fitted over the downwardly extended portions of the channel bar and secured thereto, a gear operating within the gear housing, said gear engaging the teeth of the gauge bar whereby said gauge bar is moved longitudinally of the channel bar, means for operating the gear, and a gauge arm secured to the gauge bar and being disposed transversely of the table providing a stop against which lumber being cut is held during the cutting operation.

2,498,866
GARMENT BUTTONING POST
Emil Suhajda, Chicago, Ill., assignor to G. H. Bishop Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1945, Serial No. 636,686
8 Claims. (Cl. 223—85)

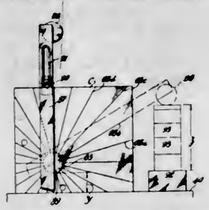
3. A garment buttoning post comprising an overhead support, a hanger having arms for supporting a garment, a normally free swiveling

connection between said hanger and support, and means operated by tipping the hanger axially



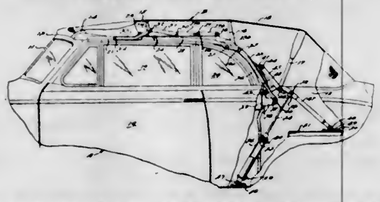
in one direction on the said support for preventing the swiveling when the hanger is so tipped.

2,498,867
BEVEL PROTRACTOR
Otto Trefz, Philadelphia, Pa.
Original application July 18, 1945, Serial No. 605,805. Divided and this application February 25, 1947, Serial No. 730,705
7 Claims. (Cl. 33—174)



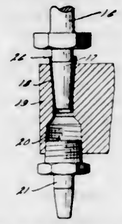
1. A bevel protractor comprising an index plate, a circular aperture therein from the center of which the graduations radiate, a cooperating sine bar the buttons of which project laterally from one face thereof and have their centers located on the straight edge thereof, said aperture being formed to receive and exactly fit a button, and clamping means constructed and arranged to secure the sine bar against the face of the plate in any desired position of angularity with one of the projecting buttons inserted in the aperture.

2,498,868
CONVERTIBLE TOP FOR VEHICLE BODIES
Trygve Vigmostad, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 2, 1947, Serial No. 758,581
6 Claims. (Cl. 296—116)



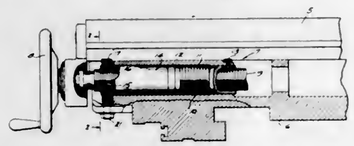
2. A foldable top for a vehicle body, comprising a front side rail section, an intermediate side rail section hinged thereto, a rear side rail section hinged to the intermediate section and also to the body, power actuated mechanism connected to the rear rail section for swinging the same, said rear rail section having an extension beyond and above the hinge connection between the rear and intermediate rail sections, link means directly connecting the end of said extension with the front rail section, said intermediate rail section having a rearward extension beyond said hinge connection, and link means connecting the end of said last named extension with the body adjacent the rear end of the rear rail section.

2,498,869
INSULATOR
William E. Waelde, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 29, 1948, Serial No. 68,011
6 Claims. (Cl. 219—4)



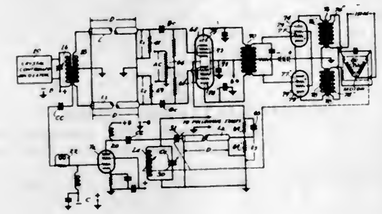
1. In welding mechanism comprising a head member having a tapered recess therein and power actuated pressure applying means having a tapered projection adapted to be positioned within said recess; an insulator adapted to be disposed between said projection and the walls of said recess comprising a tapered sleeve of uniform wall thickness formed of non-conductive non-metallic material.

2,498,870
BACKLASH COMPENSATOR
Joseph B. Armitage and Theodore F. Eserkain, Wauwatosa, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Original application August 3, 1940, Serial No. 350,666. Divided and this application September 4, 1945, Serial No. 614,204
12 Claims. (Cl. 74—441)



1. In a machine tool provided with a movable supporting member, means for moving said member including a screw and nut mechanism, said mechanism comprising a rotatably mounted feed screw, a non-rotatable nut element disposed to engage and cooperate with said feed screw, a rotatable nut element disposed to engage said screw and arranged to be turned relative to said non-rotatable nut element for adjusting its contact with said screw said rotatable nut element presenting a serrated peripheral surface, a ring carrying an adjusting arm and presenting internal serrations complementary to the serrations on said rotatable nut element and adapted to be engaged therewith at any predetermined angular position, and an adjusting screw disposed to engage said adjusting arm for turning said rotatable nut element to adjust its engagement with said screw.

2,498,871
PHASE DETECTION AND TUNER CONTROL SYSTEM
Joseph G. Beard, Haddonfield, N. J., and Robert F. Dressler, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application February 9, 1945, Serial No. 577,043
5 Claims. (Cl. 250—40)

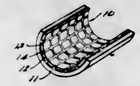


1. In apparatus for controlling direction of rotation of a motor, a pair of electron discharge systems each having a plurality of electrodes including output electrodes, connections for applying high frequency voltages of a first phase to corresponding electrodes of said systems, connections for applying high frequency voltages displaced in phase about 90° with respect to said first voltages to corresponding electrodes of said systems, connections for applying alternating currents from a source of alternating current cophasally to corresponding electrodes of said systems, a pair of gaseous discharge devices having input and output electrodes, circuits coupling the output electrodes of said systems in push pull relation to the input electrodes of said devices, a motor having two windings, means connecting one winding in series with an impedance across said source of alternating current, said impedance being connected effectively in shunt to the output electrodes of one device, means connecting the other winding in series with an impedance across said source of alternating current, said last-named impedance being connected effectively in shunt to the output electrodes of the other device, and a motor rotor associated with said motor windings.

2,498,872
MERCAPTAN SYNTHESIS
Richmond T. Bell and Carlisle M. Thacker, Highland Park, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application February 17, 1945, Serial No. 578,561
15 Claims. (Cl. 260—609)

1. The process of synthesizing mercaptans comprising, contacting a mixture of olefinic hydrocarbons and hydrogen sulfide with a Friedel-Crafts catalyst under suitable conditions of time, temperature and pressure to promote reaction of said olefinic hydrocarbons and said hydrogen sulfide to mercaptans, and effecting contact of said olefinic hydrocarbon reactant in a plurality of units with said catalyst, in each of said units of hydrocarbon reactant the amount of olefin contacted with the catalyst being less than half the total quantity of olefin that can be processed before the said catalyst reaches substantial exhaustion with respect to its ability to promote the mercaptan reaction, separating reaction products from the resulting catalyst complex after reaction of each unit of reactant and before charging the next successive unit of reactant to the reaction zone, and using the said catalyst complex to promote reaction of each successive unit until the activity of the catalyst is too low for further use.

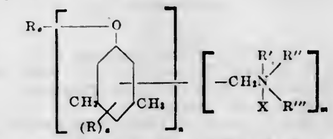
2,498,873
BEARING AND METHOD OF MAKING THE SAME
Roy E. Blue, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 30, 1945, Serial No. 596,740
4 Claims. (Cl. 308—240)



1. The method of making a composite bearing which comprises the steps of depositing a layer of powdered metal on a reinforcing backing, heating said backing and powdered metal to a temperature sufficient to cause the particles to sinter together to form a porous layer bonded to said backing, forming a plurality of indentations in said porous layer spaced one from the other by a continuous wall of the porous layer, simultaneously filling said indentations and impregnating said walls at the top face thereof with a molten bearing metal having a melting point lower than the metal of said porous layer, and thereafter so bringing a surface of said bearing metal and said impregnated porous layer wall to a common level as to form thereat a composite bearing surface, areas of which are respectively provided solely by said impregnated walls and by said bearing metal.

2,498,874
COUPLING 3,5 - DIMETHYLPHENYLMETHYL ETHERS OF CELLULOSE WITH DIAZONIUM SALTS
Louis H. Bock, Huntingdon Valley, and Peter L. de Benneville, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 19, 1947, Serial No. 769,531
5 Claims. (Cl. 8—54.2)

1. A process for dyeing cellulosic material having free alcoholic hydroxyl groups which comprises the steps of treating said material with a solution of a 3,5-dimethylphenyl ether, subsequently treating said material with a solution of a diazonium salt, and heating the cellulosic material carrying at least said 3,5-dimethylphenyl ether at 120° to 170° C., said 3,5-dimethylphenyl ether having the formula



Wherein n is an integer having a value from one to two; m is an integer having a value from one to

two; *a* is a number having a value from zero to one; R is a member of the class consisting of alkyl and aliphatic acyl groups of one to eighteen carbon atoms; Ro, when *n* has a value of one, is a monovalent aliphatic hydrocarbon group of one to eighteen carbon atoms, and, when *n* has a value of two, is a divalent saturated aliphatic group containing chains of two to three carbon atoms and having not more than a total of six carbon atoms; R', taken individually, represents a member of the class consisting of methyl, ethyl, allyl, methallyl, and benzyl groups; R'', taken individually, represents a member of the class consisting of methyl and ethyl groups; R''', taken individually, represents a member of the class consisting of methyl and ethyl groups; R'' and R''', taken together, represent a member of the class consisting of divalent saturated hydrocarbon chains of four to five carbon atoms and ether chains which jointly with the nitrogen atom form a heterocycle; R', R'', and R''', taken together, represent a trivalent unsaturated hydrocarbon group which jointly with the nitrogen atom forms a heterocycle, and X is an anion.

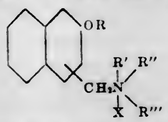
2,498,875

COLORING CELLULOSIC MATERIALS WITH DIAZONIUM SALTS AND NAPHTHYL ETHERS

Louis H. Bock, Huntingdon Valley, and Peter L. de Benneville, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 19, 1947, Serial No. 769,532
4 Claims. (Cl. 8—1)

1. A process for dyeing cellulosic material having free alcoholic hydroxyl groups which comprises the steps of treating a said material with a solution of a naphthyl ether, subsequently treating said material with a solution of a diazonium salt, and heating the cellulosic material carrying at least said naphthyl ether at 120° to 170° C., said naphthyl ether having the formula



wherein R is an alkyl group of one to eighteen carbon atoms; R', taken individually, is a member of the class consisting of methyl, ethyl, allyl, methallyl, and benzyl groups; R'', taken individually, is a member of the class consisting of methyl and ethyl groups; R''', taken individually, is a member of the class consisting of methyl and ethyl groups; R'' and R''', taken together, represent a member of the class consisting of divalent saturated hydrocarbon chains of four to five carbon atoms and ether chains which jointly with the nitrogen form a heterocycle; R', R'', and R''', taken together, represent a trivalent unsaturated hydrocarbon group which jointly with the nitrogen atom forms a heterocycle; and X is an anion.

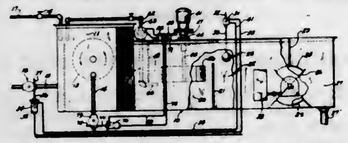
2,498,876

STOCK CONTROLLER

Robert E. Bowen, Plymouth, N. C., assignor to North Carolina Pulp Company, Plymouth, N. C., a corporation of Delaware

Application January 26, 1946, Serial No. 643,500
12 Claims. (Cl. 137—78)

1. A paper machine stock controller comprising a tank having a dewatering chamber and having a discharge outlet, means for delivering paper making stock into said dewatering chamber, means including a drain pipe for removing water from stock in said dewatering chamber, a dewatering valve controlling the flow of removed water out of said drain pipe, means for delivering



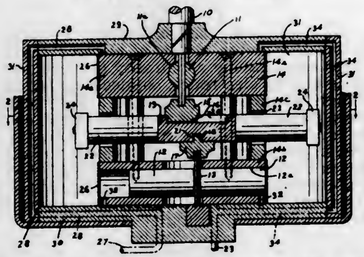
dilution water into the stock in said tank, a valve for controlling the flow of dilution water, and consistency responsive means for controlling said valves located in a portion of said tank where the stock is substantially at final discharge consistency to maintain the consistency of the stock substantially constant.

2,498,877

COUNTERBALANCING DEVICE

Robert R. Candor, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 8, 1948, Serial No. 53,584
6 Claims. (Cl. 74—603)



1. In a device of the character described in combination: a rotary drive shaft; a first pair of aligned pistons drivingly secured to said shaft to rotate about the axis of said shaft; a first counterbalance guider rotatable coaxially with said shaft and having a first linear sliding surface at right angles to said first pair of pistons; a second pair of aligned pistons mounted to rotate about an axis offset from the axis of said shaft; a second counterbalance guider mounted to rotate coaxially with said second pair of pistons and having a second linear sliding surface at right angles to said second pair of pistons; a cylinder supporting structure free to rotate about an orbitally moving axis and including cylinders reciprocably receiving said first and second pairs of pistons; and a counterbalancing structure free to rotate about an orbitally moving axis and having third and fourth linear sliding surfaces at right angles to each other and reciprocably receiving said first and second linear sliding surfaces respectively.

2,498,878

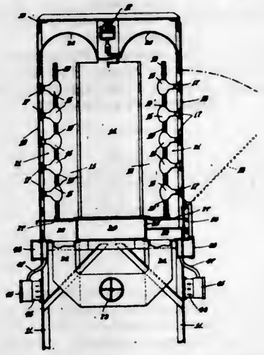
INFRARED BAKING OVEN

Elmer T. Carlson, Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application May 2, 1944, Serial No. 533,816
5 Claims. (Cl. 34—60)

1. A baking oven having a heating chamber with a conveyor along the top, a series of lamps

and sockets arranged along at least one wall of the chamber, an insulating shield having passages for the lamps and spaced apart from the adjacent wall to provide a cooling chamber, a deflector extending from the top of the wall over the cooling chamber to a point adjacent the con-



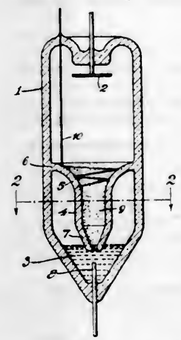
veyor and means for forcing cooling air upward through said cooling chamber past said sockets and through said passages around said lamps whereby the incoming air absorbs heat from the lamps and the air thus heated is returned to the heating chamber.

2,498,879

CATHODE

Beatrice Pearson De Lany, Miami Beach, Fla., and Paul L. Copeland, Chicago, Ill.

Application December 15, 1948, Serial No. 65,408
13 Claims. (Cl. 250—27.5)



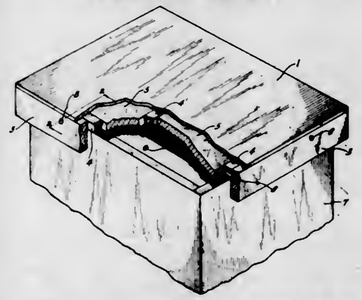
1. In combination, an airtight envelope substantially free from air, a pool of metal which is in liquid form at room temperature in said envelope, said pool comprising a cathode, and an anode positioned within said envelope and spaced away from said cathode, and electrical connections from the exterior of said envelope to said anode and said cathode, means for concentrating the electron action of the anode upon a limited portion of the cathode area, said means comprising a constriction placed in the path of electrons from said cathode to said anode, said constriction comprising a member positioned within said envelope and of less diameter than said envelope, said member being in contact with said pool of metal and being outwardly enlarged at its end away from said metal, the inner face of said constriction carrying a thin metallic film, said film being in contact with said metal pool, and a member in electrical contact with said film and extending away from said film.

2,498,880

BEEHIVE COVER

Walter Diehnelt, Menomonee Falls, Wis.

Application May 15, 1946, Serial No. 669,956
3 Claims. (Cl. 6—1)



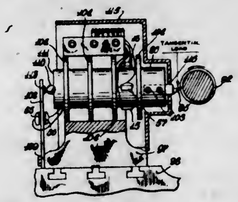
1. A ventilating cover for beehives having side walls comprising a waterproof top panel having side flanges, a spacing frame secured adjacent the inner surface of said top panel and against said flanges and adapted to seat on the upper edges of said hive side walls to form a top panel space above the upper edges of said side walls, there being ventilating holes extending transversely through said flanges and spacing frame, and a non-absorbent porous insulating material in said top panel space and on the inner side of the top panel, said material having its edges meeting said spacing frame to block the inner ends of said ventilating holes against use by the bees while permitting the circulation of air from the interior of the hive into said porous insulating material and out through said holes.

2,498,881

LOAD MEASURING SYSTEM

Frank R. Eldridge, Jr., Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont

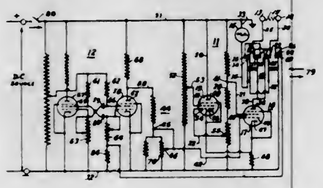
Application August 2, 1947, Serial No. 765,735
9 Claims. (Cl. 73—133)



1. A load measuring system for machine tools and the like, comprising in combination, an elongated work loaded member having a plurality of longitudinally spaced diaphragms, a support for said member adapted to selectively engage and clamp a predetermined number of said diaphragms at the peripheral edges thereof to impart a predetermined rigidity to the work loaded

member and a thrust responsive impedance element mounted on said support and engaging said work loaded member whereby it is actuated in response to the flexure of said diaphragms.

2,498,882
IMPULSE STIMULATING APPARATUS
James A. Fixsell and James G. Golseth, Chicago, Ill., assignors, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application June 20, 1946, Serial No. 678,150
9 Claims. (Cl. 128—2.1)

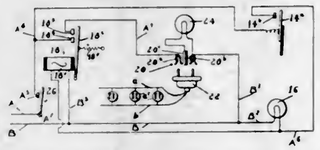


1. An apparatus for delivering pulses of direct current to a load and for maintaining a substantially constant current drain on the source of direct current while the apparatus is in operation comprising an output circuit having a pair of electrodes adapted to be connected to the load, a current intensity indicating device and a space discharge device, all adapted to be connected in series across the direct current source by a switch having three positions, in two positions of which the electrodes are in the output circuit but have different polarities and in the third position of which the electrodes are out of the output circuit and the current intensity indicating device and the space discharge device are connected in series across the direct current source, a compensating circuit having a second space discharge device connected, through a resistance, across the direct current source, said second space discharge device being biased to draw normally a constant current, and a connection between the first named space discharge device and the second space discharge device for lowering the current drawn by the second space discharge device, when the first named space discharge device is conducting, in an amount sufficient to keep the total current drain on the source of direct current substantially constant, a multi-vibrator circuit for generating pulses of direct current, said multi-vibrator circuit having means to vary the pulse duration, the interval between pulses and the pulse current strength, and a connection between the output circuit of said multi-vibrator circuit and a control member of the first named space discharge device whereby the current delivered to the load is controlled by the action of the multi-vibrator circuit.

2,498,883
PROCESS FOR HYDROCARBON CONVERSION
Hillis O. Folkins, Skokie, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application June 20, 1945, Serial No. 600,639
3 Claims. (Cl. 196—52)

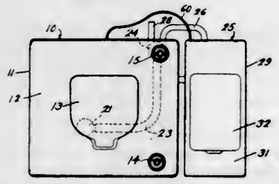
1. The method of cracking hydrocarbon liquid to hydrocarbons within the gasoline boiling range comprising, subjecting said liquid to cracking conditions of time, temperature and pressure in the presence of bromocyclohexane in amount based on the liquid undergoing cracking equivalent to not more than 0.1 per cent by weight of bromine, as the sole catalyst present during the reaction.

2,498,884
CONTROLLING MEANS FOR HEATING DEVICES
Samuel Forbes, Philadelphia, Pa., assignor of one-half to Josephine L. Owens, Philadelphia, Pa.
Application April 9, 1946, Serial No. 660,587
3 Claims. (Cl. 219—20)



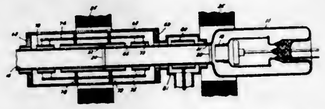
2. A device of the character described adapted to be connected to a source of current comprising a thermally responsive element, an electrical contact controlled by said element, electrical heating means connected in series with said contact and adapted to be energized to heat said element when said contact is closed, a relay coil connected in series with said contact and energized when said contact is closed, said thermally responsive element operating to open said contact and deenergize said heating means and said relay coil upon being heated to a predetermined temperature by said heating means, means for adjusting said thermally responsive element to be operative at various temperatures to control said contact, a relay contact controlled by said relay coil, a socket receiving a plug to which an auxiliary circuit including an element to be periodically heated is connected, said socket being connected in series with said relay contact and adapted to be energized when said relay contact is closed, switching means associated with said socket, and a tell-tale light connected across said socket in series with said switching means, said socket and said switching means constructed and arranged to close the circuit through said tell-tale light in response to a plug insertion in said socket.

2,498,885
AUTOMATIC CLOTHES CLEANSING APPARATUS
Peter Eduard Geidhof and Luther Ringer, St. Joseph, Mich., assignors to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application February 21, 1944, Serial No. 523,238
4 Claims. (Cl. 68—12)



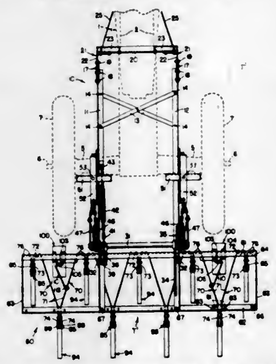
2. In an automatic washing machine having a main tub in which the cycle of operation is carried out, cycling means for controlling sequentially a series of operations of said machine, a storage tank adjacent said tub, a first pump disposed to remove liquid from said tub, a valve in the discharge line of said pump having a pair of passages, one leading to a drain and the other leading to said storage tank, said pump being energized by said cycling means to transfer liquid from said tub to said tank, a float valve disposed in said storage tank adapted to actuate said valve for diverting to the drain the flow of fluid being pumped to said storage tank when the liquid in the tank reaches a predetermined level and a second pump adapted to transfer liquid from said storage tank to the main tub, said second pump being energized by said cycling means automatically when the new washing cycle is begun.

2,498,886
ULTRA SHORT WAVE DEVICE
William C. Hahn, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 1, 1938, Serial No. 211,123
32 Claims. (Cl. 315—39)



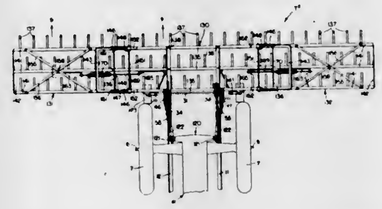
13. Electric discharge apparatus including an elongated hollow electrode which is enabled to resonate as a standing wave system by virtue of its relationship to the other parts of the apparatus structure, a pair of electron permeable conducting members which form parts of the apparatus structure and which are respectively spaced from the extremities of the said electrode to provide gaps adjacent such extremities, and means for projecting an electron stream through the said conductive members and axially of the electrode, thereby to produce excitation of the said standing wave system by the action of the stream at the said gaps.

2,498,887
CULTIVATOR
William A. Hyland, Horicon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application August 23, 1944, Serial No. 550,789
6 Claims. (Cl. 97—164)



1. A cultivator comprising a pair of transverse fore and aft spaced bars, a plurality of pairs of cross bars, means fixing the front and rear end portions of said cross bars to said transverse bars, respectively, each of said cross bars including a rearwardly extending section at its rear end extending rearwardly of the rear transverse bar and a section at the front end extending generally in a fore and aft direction rearwardly of the front transverse bar, said cross bars being arranged so that the front and rear sections of one bar are disposed adjacent but spaced from the corresponding sections of the adjacent cross bars, front and rear tool supporting means fixed in position between adjacent sections, both front and rear, of said cross bars, and tools carried by said tool supporting means.

2,498,888
WINGED CULTIVATOR
William A. Hyland and Ernst E. Schnell, Horicon, Wis., assignors to John Deere Van Brunt Company, a corporation of Wisconsin
Original application September 10, 1943, Serial No. 501,882. Divided and this application September 28, 1944, Serial No. 556,220
9 Claims. (Cl. 55—93)

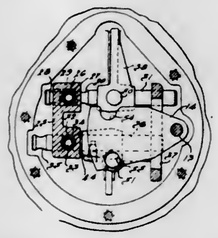


6. In a cultivator or the like, a plurality of sections comprising a center section and two laterally outer sections, means hingedly connecting the outer sections with the ends, respectively, of the center section, each of said outer sections including a pair of transversely extending frame members spaced apart in a fore and aft direction, said hinged connecting means comprising a yoke fixed to the upper sides of said frame members of each of said outer sections and having ends extending inwardly beyond the inner ends of the associated outer section in overlapping relation with and disposed at the upper side of the associated laterally outer portion of the center section when the sections are extended whereby the outer section, when extended, may be disposed in alignment with said center section, and means pivotally connecting the ends of said yoke to the adjacent portions of the center section inwardly of the ends.

2,498,889
TRANSMISSION CONTROL
Teno Iavelli, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware.
Application May 28, 1945, Serial No. 596,280
1 Claim. (Cl. 74—473)

In a change speed transmission including a casing and a cover, a pair of spaced substantially bar-like rails mounted on the cover for substantially straight line movement substantially parallel to each other, a first control member fixed to one of said rails for movement therewith, a second control member fixed to the other of said rails for movement therewith, said control members being movable from a neutral position to

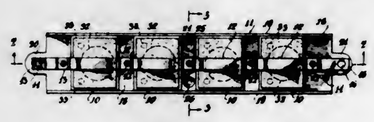
positions establishing predetermined speed ratio drive conditions in the transmission, a lateral projection on each of said control members, the projection on said first control member being over the rail to which it is fixed and the projection on the second control member being transversely offset from the rail to which said second control member is fixed such that the latter rail is transversely intermediate said projections, a selector member pivotally mounted on said cover intermediate said projections and having a body portion provided with a pair of opposite sides extending generally longitudinally of said rails, a locking notch in each of said pair of sides, one notch adapted to be interengaged with the projection of said first control member and the other with the projection of said second control member upon swinging movement of said selector in the direction of the projection to be interengaged when said control members respectively are in their neutral positions, said selector being operable to effect interengagement of the projection of said first control member with said one notch whereby to hold this control member against movement out of its neutral position to



a drive establishing position while having its said other notch disengaged from the projection of said second control member to permit movement of the latter from its neutral position to a drive establishing position, and said selector being also operable to effect interengagement of the projection of said second control member with the said other notch of said selector whereby to hold this control member against movement out of its neutral position to a drive establishing position while having its said one notch disengaged from the projection of said one control member to permit movement of said one control member from its neutral position to a drive establishing position, an actuator carried by said cover for pivotal movement intermediate said rails, said actuator having opposite slots one interengaged with the projection of said first control member and the other with the projection of said second control member, and means for operating said actuator, said actuator being adapted to pivot about the projection of the control member held from movement by said selector and to actuate for movement the control member having its projection disengaged from said selector.

2,498,890
RECTIFIER UNIT
Chester A. Kotterman, New York, N. Y., assignor to Ketron Rectifier Corporation, Newark, N. J., a corporation of New Jersey
Application June 3, 1947, Serial No. 752,201
15 Claims. (Cl. 175—366)

1. A metal plate rectifier unit comprising a plurality of metal plate rectifiers disposed in substantially the same plane, a receptacle formed at least in part of insulating material holding said rectifiers, means for holding said rectifiers in said receptacle, said means being devoid of any portion passing through said rectifiers, said receptacle being of a thickness in a direction perpendicular to the plane of said rectifiers which is small in relation to its other two dimensions, and

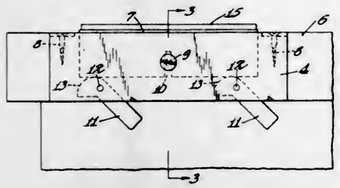


conductive bridging elements electrically connecting together oppositely polarized faces of adjacent rectifiers to connect said plurality of rectifiers together in electrical series, whereby said rectifier unit comprises a relatively flat assembly having the spacial dimension which is perpendicular to the plane of said rectifiers relatively smaller than the other two spacial dimensions.

2,498,891
PERHALOCYCLOHEXADIENES
Waldo B. Ligett, Detroit, Mich., and Earl T. McBee, La Fayette, and Vincent V. Lindgren, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application November 13, 1945, Serial No. 628,379
4 Claims. (Cl. 260—648)

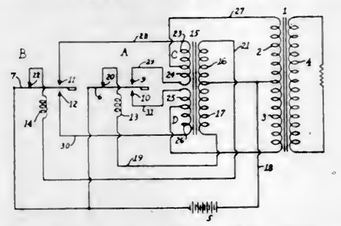
1. A compound selected from the group consisting of (1) chloroheptafluorocyclohexadiene, C_6ClF_7, boiling at approximately 88–89 degrees centigrade at 740 millimeters of mercury pressure, (2) dichlorohexafluorocyclohexadiene, $C_6Cl_2F_6$, boiling at approximately 119–120 degrees centigrade at 750 millimeters of mercury pressure, and (3) trichloropentafluorocyclohexadiene, $C_6Cl_3F_5$, boiling at approximately 156–157 degrees centigrade at 750 millimeters of mercury pressure.

2,498,892
SLIDABLY AND TILTABLY ADJUSTABLE BENCH DOG
Clifford K. Lush, Minneapolis, Minn.
Application August 27, 1945, Serial No. 612,789
3 Claims. (Cl. 144—308)



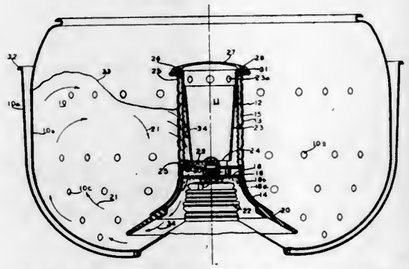
1. A bench dog including, an abutment member arranged for attachment to a work bench, said abutment member being vertically movable relative to said bench, and a pair of spaced supports for said abutment member, said supports being shiftable selectively to hold said abutment member in various angular positions relative to the working surface of the bench.

2,498,893
PARALLEL OPERATION OF VIBRATOR SYSTEMS
José A. Mas, Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application July 14, 1944, Serial No. 544,913
2 Claims. (Cl. 321—49)



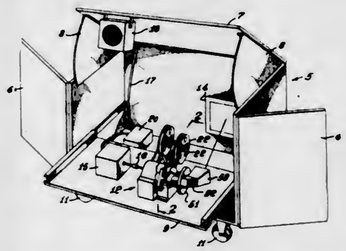
1. A vibratory interrupting system comprising, in combination, at least two vibratory interrupters each having a vibratory contact, a relatively stationary magnet side contact and a relatively stationary rebound side contact between which the vibratory contact operates, a separate driving magnet for each vibratory contact including a coil, and a synchronizing transformer for maintaining the vibratory members of the interrupters in phase comprising a secondary winding having a center tap adapted to be connected to one side of a direct current source of supply, an outer terminal connected to one terminal of one of said driving magnets and a second outer terminal connected to one terminal of the other driving magnet, each interrupter having also a pair of driving contacts, one carried on the moving element of the interrupter and the other stationary and connected to the second terminal of the driving magnet, both of the interrupters adapted to be connected to the other side of said direct current source, and a primary winding for said transformer having a center tap for connection to a direct current source of supply, the outer terminals of said primary winding being respectively connected to the respective rebound contacts of the interrupters.

2,498,894
CLOTHES WASHING MACHINE AND AGITATOR THEREFOR
Francis H. McCormick and Kendall Clark, Oakwood, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 26, 1943, Serial No. 496,102
6 Claims. (Cl. 68—17)



6. In a washing machine, a tub, an agitator centrally located in said tub, said agitator comprising a generally cylindrical casing in the upper part of said agitator and a generally conical extension in the lower part of said agitator, said cylindrical casing having relatively large openings along its vertical wall and having an aperture at its upper end, a screen in said agitator having relatively small openings and adapted to receive dispersible laundering material introduced through said aperture to be disseminated during operation of said agitator, an openable cover for said aperture, a one-way valve in said agitator, and means to move said agitator back and fourth in said tub to cause a major circulation of fluid in said tub outside said agitator and a minor circulation of fluid through said openings.

2,498,895
PROJECTION FILM VIEWER AND REPRODUCING SYSTEM
William A. Mueller, Los Angeles, and Joseph T. Wissmann, Burbank, Calif., assignors to Warner Brothers Pictures, Inc., Burbank, Calif., a corporation of Delaware
Application November 22, 1947, Serial No. 787,540
14 Claims. (Cl. 88—16.2)

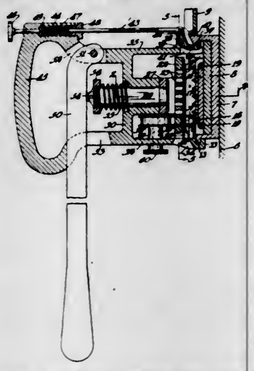


1. A film editing machine comprising a frame, a light source mounted on said frame, a screen positioned at a distance behind said frame, means for advancing film above said light source, an optical system for projecting light emerging from said film to said screen, said system including a fixed condenser lens on said frame and movable projection optics positions above said film, and a film gate, said gate having two parts, one part being hinged on said frame for holding said film in position above said condenser lens, and the other part being hinged on said first part for positioning said projection optics of said optical system for projecting the image on said film to said screen.

2,498,896
APPARATUS FOR IDENTIFYING MOBILE EQUIPMENT
Worth G. Read, St. Paul, Minn.
Application April 3, 1944, Serial No. 529,263
2 Claims. (Cl. 164—111)

1. In apparatus for making original punch card records identifying separate units on similar cards divided into zones severally adapted to receive apertures, plates adapted to be fastened to the respective units, each plate carrying a group of card cutting members differing in their relative positions on the plate from those of the other plates, a separate punching head adapted to be moved to the several plates and having complementary die members adapted to coact with the card cutting members of any of said plates to cut groups of apertures in cards corresponding in sizes and shape and in their rela-

tive positions on the cards to the groups of cutting members on the plates respectively, said head having a plane face for supporting the several cards and means projecting from said face



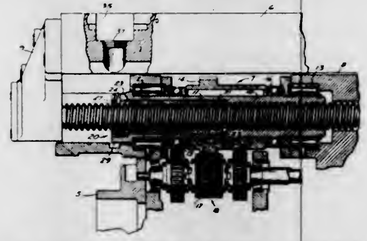
for holding a card in predetermined fixed relation to any plate to which the punching head is applied whereby the several zones on the cards may be caused to register with the several cutting members on any plate.

2,498,897

BACKLASH COMPENSATOR

Kurt A. Riedel, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application September 4, 1945, Serial No. 614,225
11 Claims. (Cl. 74—441)



1. In a backlash eliminator for a machine tool screw and nut drive mechanism, a rotatable nut presenting adjusting abutment means carried on the screw, an adjustable nut carried on the screw and abutting said first-named nut, an adjusting yoke selectively keyed to said adjustable nut at a selected predetermined angle, and set screws threadedly carried in said yoke and disposed to abut and cooperate with said adjusting abutment means on said rotatable nut, whereby precision adjustment between said abutting nuts and said screw may be effected by changing the setting of said set screws without impairing the rotative operation of said nut elements on said screw.

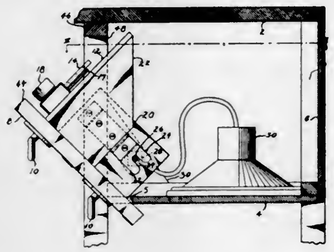
2,498,898

TABLE TYPE RADIO CABINET

Harold Rieth, Kokomo, Ind., assignor to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana

Application April 29, 1946, Serial No. 665,696
3 Claims. (Cl. 312—7)

1. In combination, a box-like cabinet having top, bottom and side walls and an open front wall, a plate-like closure for said open front wall, means for pivotally supporting said closure on said cabinet for pivotal movement about a substantially horizontal axis parallel to the general plane of said plate-like closure, said pivotal axis being located above and to the rear of the front edge of said bottom wall to permit said closure to pivot to a substantially vertical position wherein it defines a front wall for said cabinet, stop means on said cabinet for preventing further pivotal movement of said closure in the direction past



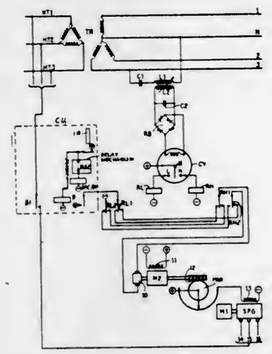
said vertical position, said bottom cabinet wall having a portion thereof disposed in the path of pivotal movement of said closure in the opposite direction, thereby positioning said closure in an outwardly projecting position relative to said cabinet, and a radio receiver element secured to the inner face of said closure member and movable therewith from an enclosed position within said cabinet to an exposed position projecting at least partly out of said cabinet in a manually accessible position.

2,498,899

ELECTRICAL SIGNALING SYSTEM

Willie Saville and Philip Norton Roseby, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware

Application August 27, 1945, Serial No. 612,934
In Great Britain September 20, 1944
2 Claims. (Cl. 171—97)



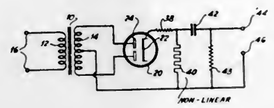
2. In an electrical signalling system employing high frequency currents superimposed on an electric supply network supplying power at a frequency lower than said first frequency in order to operate a plurality of responding devices connected thereto, said supply network comprising a primary network and a secondary network inductively coupled together, a control unit, a generator for producing a potential at said first frequency, said control unit connecting the output of said generator to said primary network, a contact making voltmeter, a tuned circuit comprising a condenser and inductance tuned to said first frequency and connected to said secondary network, a rectifier connected to said voltmeter, a coupling unit coupled to said tuned circuit for controlling the operation of said rectifier to control said voltmeter, a rheostat for controlling the output potential of said generator actuated by a reversible motor and means controlled by the operation of said voltmeter to actuate said motor to vary the potential of said high frequency currents.

2,498,900

ELECTRONIC SIGNAL SHAPING CIRCUIT

Earl H. Schoenfeld, Mamaroneck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 28, 1943, Serial No. 496,399
5 Claims. (Cl. 250—27)



1. A system for producing voltage variations of a predetermined wave form comprising an input transformer having a center tapped secondary winding, a full wave rectifier including a pair of electron discharge paths each including an electron emitter and a collector electrode, means for connecting the collector electrodes to opposite ends of said secondary winding, means including a pair of series connected load impedances, at least one of which has a negative temperature coefficient, connected between said emitters and said center tap on the secondary winding, a differentiating network including a series connected condenser and resistance, means for connecting said differentiating network in parallel with said negative temperature coefficient load impedance, a pair of output terminals connected across the resistance element of said differentiating network, and means to apply voltage variations of substantially sinusoidal wave form to the collector electrodes of said full wave rectifier whereby uni-polarity pulsating potentials of parabolic wave form are produced across said negative temperature coefficient load impedance, so that voltage variations of substantially sawtooth wave form are available at said output terminals.

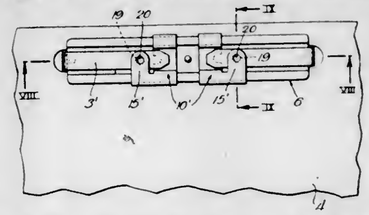
2,498,901

PAPER FASTENER

Samuel Segal, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts,

Application September 18, 1944, Serial No. 554,568
5 Claims. (Cl. 24—153)

3. In a fastener, a compressor plate, a base member having a sheet retaining prong bent over said compressor plate, a keeper slidable on said compressor plate with a part of said keeper under and another part over said sheet retaining prong, and cooperating means on said keeper and



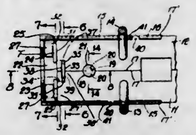
said sheet retaining prong limiting the sliding movement of said keeper in one direction.

2,498,902

LOOSE-LEAF BINDER

Samuel Segal, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill., a corporation of Massachusetts

Application December 19, 1945, Serial No. 635,967
3 Claims. (Cl. 129—24)



1. In a loose leaf binder wherein tiltable and juxtapositioned leaves are pivotally interposed and retained between spaced and longitudinally disposed sides of an arcuate spring casing and wherein said leaves carry complementary half ring sections, means to prevent displacement of said leaves relative to each other and to said casing, said leaves having ends provided with terminal ears each having a lobe and a web portion, said leaves including aligned openings adjacent said ends, a trigger sustained solely by said leaves and including a base having spaced primary lugs movably interposed between said ends and lobes and defining with said base vertically spaced shoulders movably straddling and interlocking with said webs and having an extension including a secondary lug movably disposed and guided in said aligned openings and defining with said extension vertically spaced actuating portions movably straddling but interlocking with inner marginal portions of said leaves adjacent said openings, and said trigger having an arm projecting above said casing, said arm being spaced longitudinally from said primary lugs and adapted to be manually urged away from or towards said casing whereby said spaced shoulders alternately pivot against said webs and whereby said spaced actuating portions alternately abut said inner marginal portion for pivotally displacing said leaves relative to said casing for opening or closing said complementary half ring sections.

2,498,903

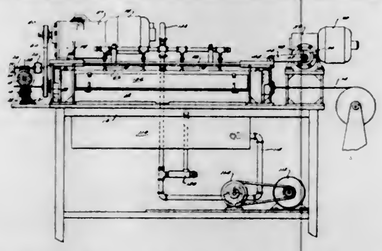
METHOD AND APPARATUS FOR SURFACING CYLINDRICAL OBJECTS

David A. Wallace, Grosse Pointe Farms, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application September 23, 1947, Serial No. 775,715
10 Claims. (Cl. 51—34)

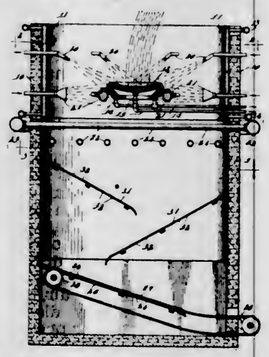
1. Apparatus for surface finishing wire comprising a frame structure, a carriage slidably

carried by said frame structure for linear movement relative thereto, driving means adapted to impart reciprocatory movement of a first amplitude and frequency to said carriage relative to said frame structure, a holder carried by said carriage and adapted to rotate and reciprocate relative to said carriage, said holder and said carriage having means formed therein which define a passage for said wire, means to create relative longitudinal movement between said wire and



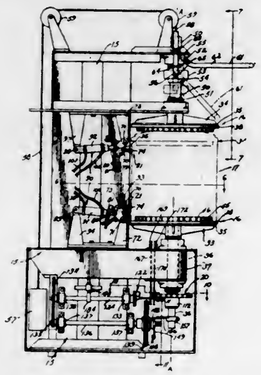
said holder, abrading elements carried by said holder and adapted to engage the surface of said wire, power means carried by said carriage and adapted to rotate said holder relative to said carriage and thereby rotate said abrasive elements relative to said wire and cooperating cam means carried by said carriage and said holder and operable as an incident to rotation of said holder to produce a reciprocation of a second amplitude and frequency of said holder and abrading elements relative to said carriage.

2,498,904
APPARATUS FOR EXPANDING SLAG
Dee G. Wheeler, Chicago, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application April 13, 1948, Serial No. 20,631
5 Claims. (Cl. 49—14)



1. Apparatus for the manufacture of expanded slag and comprising: a stack structure, a stationary target mounted substantially centrally of the stack and adjacent the top thereof, pressure jets positioned above the target directed downwardly toward the upper portion of the target and generally tangentially thereof, spray heads mounted at substantially the level of the target and directed toward the target, generally tangentially thereof, means positioned below the target, in the path of slag masses discharging from the target, and interrupting free fall of such slag masses, the said means comprising a substantially horizontal grid supported in the stack and below the grid, one positioned below another, plate members extending oppositely from the wall of the stack toward and overlapping adjacent the center of the stack.

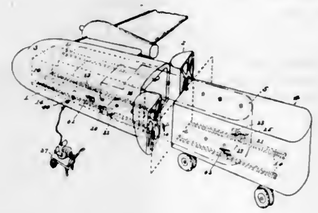
2,498,905
WELDING APPARATUS
John H. Abbott, Los Angeles, Calif., assignor to Utility Appliance Corp., Los Angeles, Calif., a corporation of California
Application June 7, 1948, Serial No. 31,542
10 Claims. (Cl. 219—4)



1. In an apparatus of the character described, the combination of: a structure providing an operating station; intermittently-operating indexing means for moving successive portions of a work piece to said operating station; intermittently-operating latching means in mechanically operative relationship with said indexing means for positively retaining each portion of the work piece in said operating station; a welding tool pivotally connected to said structure adjacent said operating station for rotation between extended and retracted positions, said tool including an electrode which is adapted to engage a portion of the work piece at said operating station when said tool is in its extended position, and which is spaced from the work piece when said tool is in its retracted position; and means for rotating said welding tool from its retracted position to its extended position and back to its retracted position after each portion of the work piece has been moved to said operating station by said indexing means.

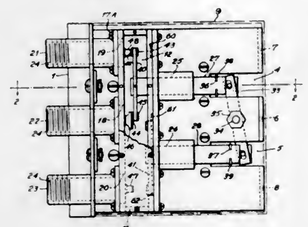
2,498,906
APPARATUS FOR HANDLING THE SHIPMENT OF GOODS IN BULK
Richard D. Apperson, Lynchburg, Va.
Application March 14, 1947, Serial No. 734,793
6 Claims. (Cl. 214—38)

5. The combination with an airplane fuselage and a van body of equal cubical capacity each having an open end and maneuverable to position said ends in alined juxtaposition, and a goods container of a size adapted to fit within either said fuselage or van body, of gear racks extending longitudinally on the floors of the fuselage and van body, sets of gears engaging the racks and supporting opposite ends of the container, separate reversible motors mounted in the containers and in driving connection with the respective sets of gears, a source of current, a motor circuit comprising contact rails within the fuselage and van body and contact members on the container engaging the rails, and a reversing switch in said circuit having contacts and a manually operable



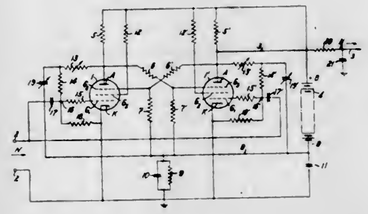
shiftable member cooperating therewith to control the direction of current flow to the motors and the consequent propulsion of the container forward and backward, and fixed stops on the fuselage and van body cooperating with said member to move it into neutral position to disrupt the circuit as the container approaches the limit of its movement in either direction.

2,498,907
RADIO FREQUENCY SHIELDED SWITCH
John B. Atwood and Ferdinand J. W. Schoenborn, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 30, 1943, Serial No. 508,353
2 Claims. (Cl. 200—98)



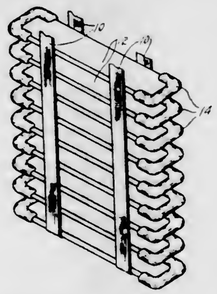
2. An ultra high frequency single-pole double-throw antenna switch comprising a metallic casing, a base member closing an end of said casing, a bracket member secured to said base member, said bracket having two slotted portions located therein, a closed metallic radio frequency shielded chamber located on one side of said bracket, a pair of solenoids located at the other side of said bracket, three coaxial line terminal contact members passing through said base member and extending into one of the walls of said radio frequency shielded chamber, a pair of push rods passing through another wall of said radio frequency shielded chamber, a pivoted arm coupled to each armature of said solenoid, two flat spring members connecting the insulating rods with said pivoted arm, and extending through the slots in said bracket, whereby the two movable contact bars are arranged to alternately connect the center one of said terminal contact members with the outer one of said terminal contact members when one of said solenoids is energized.

2,498,908
ELECTRONIC IMPULSE COUNTING CIRCUIT
Ernst Baldinger, Basel, Switzerland
Application July 18, 1947, Serial No. 761,963
In Switzerland April 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 9, 1966
17 Claims. (Cl. 250—27)



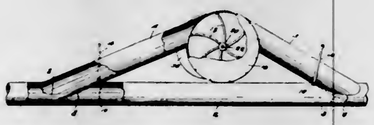
1. A counting circuit comprising a pair of electronic tubes each including a plate electrode and at least one grid electrode cooperating with a cathode, cross-connections between the plate electrode of each tube and a grid electrode of the other tube to condition said tubes for conduction in only one tube at any time, a plate load for each tube in series with a plate voltage source, a voltage divider associated with each tube and between the plate thereof, and a point of lower fixed potential, means connecting a grid electrode of each tube to the voltage divider associated with that tube, an input circuit symmetrically connected to correspondingly located points on said voltage dividers, and an output circuit connected to the plate of only one of said tubes.

2,498,909
END CAP FOR VENETIAN BLIND SLATS
Stephen Duncan Bradley, Grosse Pointe Farms, Mich., assignor to Detroit Macoid Corporation, Detroit, Mich., a corporation of Michigan
Application July 23, 1945, Serial No. 606,523
5 Claims. (Cl. 160—178)



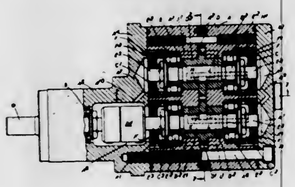
1. A resilient plastic end cap for easy attachment to or removal from the ends of individual slats of a Venetian blind, and comprising a substantially U-shaped resilient plastic body having a groove for receiving the end and a selected portion of the lateral edges of a Venetian blind slat.

2,498,910
EXHAUST TURBINE AND PUMP
Earthen H. Camfield, Florence, Colo.
Application November 21, 1946, Serial No. 711,325
1 Claim. (Cl. 103—118)



The combination, with an internal combustion engine exhaust pipe, of a by-pass for the pipe, valves respectively mounted at the inlet and outlet ends of the by-pass, manually operable control means for each valve adapted to regulate the intake and the discharge of exhaust gases passing through the by-pass and through the portion of the pipe by-passed thereby, an exhaust-gas-powered turbine in the by-pass, a gear pump connected to the turbine to be driven thereby, a fluid distribution system connected to the pump for operation thereby, and an adjustable valve in said system for controlling the fluid pressure supplied to the system by the pump.

2,498,911
CONTROL OF END CLEARANCES OF ROTORS
George Edward Chittenden, Warwickshire, England, assignor to The Keelavite Company Limited, Allesley, Coventry, Warwickshire, England, a company of Great Britain
Application May 27, 1947, Serial No. 750,815
In Great Britain May 28, 1946
10 Claims. (Cl. 103—126)



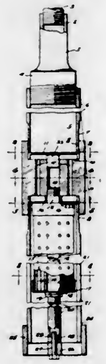
1. The combination of a rotor having opposed end faces and a casing within which the rotor lies and rotates, axially opposed thrust members rigid with the rotor and each constituting part of the wall of axially spaced fluid pressure chambers the fluid pressure in which acting on said thrust members applies opposing axial forces to the rotor, each fluid pressure chamber having restricted communication through fluid delivery and escape paths respectively with points of high and low fluid pressure at the opposite faces of said rotor from said chambers respectively, at least one of these paths including a throttling point constituted by a clearance which varies with axial movement of the rotor relative to the casing so as to control the flow through such path in such a manner as to cause a relative pressure difference between the fluid pressure chambers opposing such movement of the rotor and thereby tend to equalize the clearance between the ends of the rotor and the casing.

2,498,912
PROCESS FOR GLAZING EARTHENWARE AND GLAZE THEREFOR
Aymon François Max Claudet, Orly, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a body corporate of France
No Drawing. Application August 20, 1946, Serial No. 691,886. In France May 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 11, 1964
6 Claims. (Cl. 106—48)

5. Process for producing glazed earthenware which consists in applying to a ceramic support a frit of the following weight percentage composition:

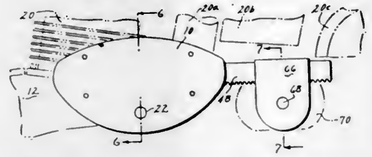
	Per cent
SiO_2	61.4–64.3
TiO_2	2.4–2.9
Al_2O_3	3.7–6.7
Na_2O | K_2O	9.4–12.9
CaO	0.8
BaO	9.0–11.1
ZnO	7.2–7.3

2,498,913
SAND SEPARATOR
Clarence R. Clayton, Snomac, Okla.
Application April 5, 1948, Serial No. 19,128
2 Claims. (Cl. 103—220)



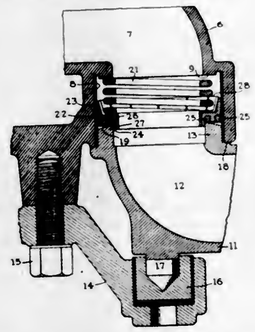
1. A sand separator for oil wells, comprising a pipe section forming an intake reservoir for a subsurface pump, an adapter coupling secured on the lower end of the pipe section, said adapter coupling having a central bore and having a circular line of vertical bores surrounding the central bore, a circular perforated plate disposed at each end of the adapter coupling in spaced relation with the adapter coupling, a hollow guide stem formed integral with the circular perforated plate at one end of the adapter coupling and fitted in the central bore of the adapter coupling through which fluid passes to the central bore, said circular plates having circular lines of openings aligning with the circular line of openings in the adapter coupling through which sand ladened fluid is forced as the separator reciprocates, a pipe extending into the lower end of the central bore of the adapter coupling over which the circular plate at the lower end of the adapter coupling is mounted, a plurality of spaced concentrically arranged perforated filter sleeves disposed around said pipe and secured thereto in spaced relation with each other, a perforated sleeve encasing the filter surface through which fluid flows on its passage to the adapter coupling, an outer open ended jacket surrounding the sleeves in spaced relation therewith, and said jacket having spaced longitudinally disposed slots formed in the wall thereof.

2,498,914
KICK SHIFTER ATTACHMENT
Francis G. Correll, Los Angeles, Calif.
Application April 27, 1946, Serial No. 665,544
9 Claims. (Cl. 74—474)



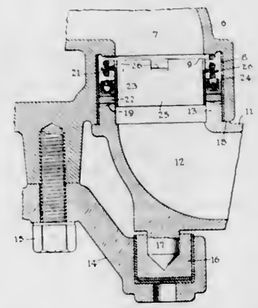
1. For use on a motorcycle or the like having a variable speed transmission, means for adjusting said transmission to effect speed changes thereof comprising a plate, means for pivotally supporting said plate on the motorcycle, a rack, means for supporting said rack for longitudinal movement with a portion thereof adjacent said plate, pawl means on said plate for releasable engagement with said rack for imparting longitudinal movement to said rack in response to swinging movement of said plate about its pivotal axis, an actuating lever operatively connected to said plate, and means cooperating with said rack and transmission to effect speed change adjustment thereof in response to axial movement of said rack.

2,498,915
GASKET UNIT FOR SWIVEL CONNECTIONS
Nels A. Espegren, Omaha, Nebr.
Application February 2, 1948, Serial No. 5,731
3 Claims. (Cl. 285—96.8)



1. A sealing unit for use in a swivel joint of the type in which a bevel-ended tubular nipple swivels in a cylindrical socket and is sealed by a gasket held against the end of the nipple and the wall of the socket by a coil compression spring, said unit comprising an annular gasket having a body portion dimensioned to overlie the end of the nipple and having a flexible inner marginal flange dimensioned to extend into and fit the interior of the nipple and a flexible outer marginal flange dimensioned to fit the interior of the socket; and an elastic metal follower formed with a flat middle annulus adapted to overlie the body portion of the gasket and transmit thereto the thrust of the spring, said annulus having two flanges, the first a comparatively rigid inner flange which overlies and confines the first-named gasket flange, and the second a flexible dentated outer flange adapted to act yieldingly to expand the second named gasket flange.

2,498,916
GASKET UNIT FOR SWIVEL CONNECTIONS
Nels A. Espegren, Omaha, Nebr.
Application February 2, 1948, Serial No. 5,732
2 Claims. (Cl. 285—96.8)

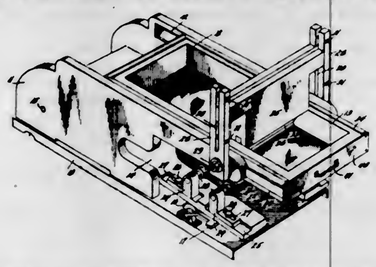


1. A sealing unit for use in a swivel joint of the type in which a bevel-ended tubular nipple swivels in a cylindrical socket, and is sealed by a gasket held against the end of the nipple and against the wall of the socket by a coil compression spring, said unit comprising, a flat annular gasket of flexible material dimensioned to fit against the end of said nipple; an overlying annular gasket of flexible material and of channel cross section; an annular metallic spring seat mounted in the channel of the last named gasket, said spring seat having a U-shaped cross section with flaring sides, whereby when loaded by the spring seated therein it tends to spread the channel gasket; a sleeve dimensioned to telescope into the end of the tubular nipple and extend within the spring and spring-seat and gaskets to center the gaskets and sustain the inner flange of the channel gasket; and means for yieldingly retaining said sleeve in position.

2,498,917
STENCILING APPARATUS
Henry Andrew Gattuso, Adams, Mass.
Application September 23, 1946, Serial No. 698,761
5 Claims. (Cl. 101—124)

1. An apparatus for stenciling cylindrical articles comprising a pair of parallel frame members, a stencil screen carried by the frame members and reciprocable therein, article supporting means disposed below the screen and extending substantially the length of the frame members and pivotally supported by the frame members along a line transversely of the direction of movement of and parallel to the screen, the forward end of the supporting means having lowered and raised positions permitting in its lowered position the removal and feeding of articles, means for raising the forward end of said supporting

means for raising an article into firm engagement with the screen and establishing rolling contact therebetween, and a squeegee fixedly supported by said frame members and disposed over the supporting means and serving as a backing

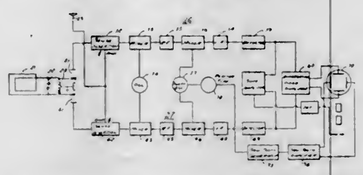


for the contact between the article and the screen, the work thereby being always maintained parallel to the screen and the line of contact between the work and screen being thereby subjected to uniform pressure.

2,498,918
MANUFACTURE OF 5-HYDROXYMETHYL 2-FURFURAL
Walter Norman Haworth and Leslie Frederick Wiggins, Birmingham, England
No Drawing. Application October 8, 1946, Serial No. 702,068. In Great Britain October 17, 1945
2 Claims. (Cl. 260—345)

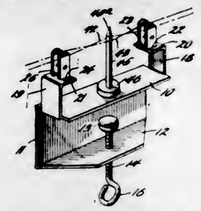
1. A process for the manufacture of 5-hydroxymethyl 2-furfural from sucrose, in which a solution of sucrose and water alone is heated under pressure in an atmosphere of hydrogen, and in which after cooling and removal of extraneous matter, the 5-hydroxymethyl 2-furfural is obtained from the reaction mixture by solvent extraction.

2,498,919
DIRECTION INDICATING AND FINDING SYSTEM
Joseph I. Heller, Brooklyn, N. Y., assignor to Panoramic Radio Corporation, New York, N. Y., a corporation of New York
Application February 15, 1946, Serial No. 647,863
19 Claims. (Cl. 343—113)



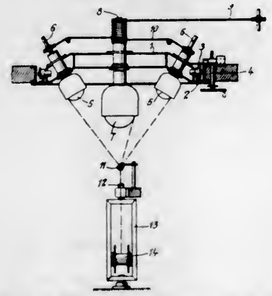
1. A panoramic direction finder comprising a loop and vertical antenna assembly to provide two cardioid direction pattern voltages 180° out of phase; means for feeding each cardioid voltage separately to each of two panoramic receiver channels, each channel including two conversion stages in sequence; a common first oscillator to simultaneously control the first conversion stage of both channels; a common second oscillator to simultaneously control the second conversion stage of both channels; means including a source of saw-tooth voltage for sweeping a frequency band of the second oscillator; means combining the outputs of the two channels; a cathode ray tube having a display surface and first and second ray deflecting elements; and means supplying the combined output of the two channels to one deflecting element, and the saw-tooth voltage to the other deflecting element.

2,498,920
IMPLEMENT FOR TYING KNOTS
George H. Holland, Hazleton, Pa.
Application June 24, 1947, Serial No. 756,753
2 Claims. (Cl. 289—17)



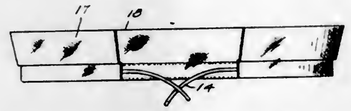
1. In a device of the class described, in combination a flat rectangular base member, means supported on the base member for yieldingly supporting two adjacent threads parallel to one another, said means comprising flanges extending vertically upward from the ends of said base member, said flanges terminating in inwardly projecting portions disposed parallel to said base member, a pair of resilient clips supported on each of said inwardly projecting portions, the clips of each said pair being spaced apart laterally with respect to the said base member at the same distance, the clips of the pairs proximate to one side of said base member being spaced apart the same distance as the clips proximate to the other side thereof, all said clips being positioned in the same horizontal plane, and a vertically disposed rod member mounted upon said base member and extending upwardly therefrom to a point above the thread engaging portions of said clips, said rod member being mounted at substantially the center of the said base member.

2,498,921
MACHINE FOR THE PRODUCTION OF WIRE ROPES
Carl Julianus Holm, Trondheim, Norway
Application December 29, 1947, Serial No. 794,231
3 Claims. (Cl. 57—60)



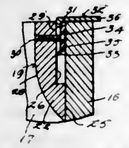
1. A machine for the production of wire ropes and the like comprising an open circular track having the axis thereof vertically disposed, a circular bobbin frame rotatably mounted on said track internally thereof, a plurality of spaced rotatably mounted shafts on said frame, said shafts being inclined with respect to and converging toward a common point on the vertical axis of said machine, bobbins rotatably mounted on an end of each said inclined shaft and arranged in a substantially horizontal plane, a central shaft on said frame vertically and rotatably mounted, the axis of said central shaft intersecting said common point of convergence of said bobbin shafts, a core carrying bobbin rotatably mounted on an end of said last named shaft, a twisting mechanism mounted on the vertical axis of said machine and spaced from said bobbin frame, means for rotating said bobbin frame, and means for locking said frame in a stationary position during the twisting operation, wires being conducted from said bobbins to said twisting mechanism being substantially free from bending stresses due to the convergence of the bobbins.

2,498,922
PURGE PROTECTOR
Bruce A. Hower, Gary, Ind.
Application July 3, 1945, Serial No. 603,019
2 Claims. (Cl. 27—21)



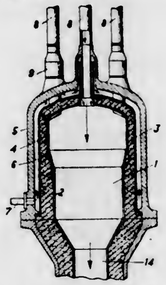
1. A purge protector comprising an elongated band formed of waterproof material having an outwardly flared upper portion, the bottom edge of said band being reverted to form a hem, a draw string in said hem, and a second band secured inside of said flared portion and formed of a moisture absorbent material.

2,498,923
SIDING MOLD ATTACHMENT FOR BLOCK MOLDS
Everett N. Jordan, McAlester, Okla.
Application January 19, 1949, Serial No. 71,655
3 Claims. (Cl. 25—119)



1. A siding mold attachment for block molds comprising a mold member adapted to be disposed against a portion of the inner face of one wall of a block mold and extending substantially from end-to-end thereof, said mold member having hanger bracket means projecting from a longitudinal edge thereof and extending outwardly from its outer side for engaging on an edge of said mold wall for positioning the mold member thereagainst, the inner face of said mold member being beveled to merge with its outer face at the edge thereof remote to the edge from which said hanger means projects, said hanger bracket means including at least one bracket member having two right angularly disposed legs, one of said legs being adapted to bear against said longitudinal edge of the mold wall, the other leg having a longitudinal slot opening outwardly of its free end, the outer face of said mold member having a transverse groove opening outwardly of its first mentioned longitudinal edge for receiving the slotted leg of the bracket member, and an adjustable setscrew carried by said mold member and extending through the slot of said leg for adjustably and detachably securing the bracket member to the mold member.

2,498,924
PIPE JOINT
Curt Keller, Kusnacht, Switzerland, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application May 28, 1948, Serial No. 29,908
In Switzerland July 10, 1947
6 Claims. (Cl. 285—22)



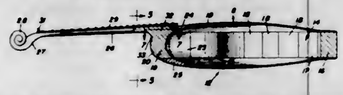
1. A structure for the reception of a highly heated medium under pressure, comprising an inner hollow body made of a heat-resisting material of relatively small strength; an outer body of a metal having great strength surrounding said inner hollow body, a jacket space left between said inner body and said outer body; pipe junctions fixed to said outer body and opening into the hollow interior of said inner body; an arrangement of tubular bodies in each of said junctions, which tubular bodies are so disposed one within another in co-axial relation to the corresponding pipe junction as to provide spaces which serve as guide passage for a portion of cooling medium supplied to said jacket space, said arrangement being such as to prevent, to a large extent, the transmission of heat to the pipe junction from a highly heated medium flowing through the innermost of the tubular bodies therein; and an outlet pipe connected to the hollow interior of said inner body.

2,498,925
CURTAIN TIEBACK
Signe A. Lind, Hartford, Conn.
Application January 17, 1946, Serial No. 641,754
6 Claims. (Cl. 160—348)



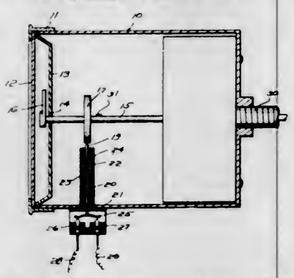
1. In a curtain tie-back, a pair of separable flat overlying strip means hingedly connecting said strips together at one end thereof, and interlocking loops formed along the length of said strips whereby the folds of a curtain may be preserved while secured in the tie-back.

2,498,926
GUITAR BODY CONSTRUCTION
Thomas W. Mitchell, St. Louis, Mo., assignor of forty-nine per cent to R. C. Marrs, St. Louis, Mo.
Application January 31, 1949, Serial No. 73,682
6 Claims. (Cl. 84—267)



1. A stringed musical instrument comprising a hollow neck equipped body comprising a top, bottom and intervening marginal rim-frame, said top being of one-piece construction with its grain running crosswise of the body, said bottom being likewise of one-piece construction and the grain thereof being disposed to run lengthwise of said body, and said rim-frame being constructed of a plurality of individually cut and shaped blocks, the latter being rigidly solid and disposed and glued together in end-to-end relation.

2,498,927
TACHOMETER SWITCH
Paul W. Pugh, Mission, Kans.
Application April 25, 1945, Serial No. 590,299
3 Claims. (Cl. 200—56)

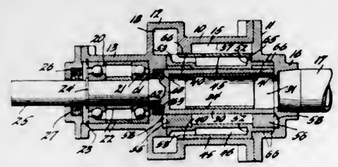


3. In a device of the character described for use in connection with an electrical circuit, a casing, a tachometer shaft in said casing, a cam carried by said shaft, a grounding contact secured to said casing, and abutting said shaft, an operating rod adjacent said cam, an insulated sleeve extending through said casing surrounding said operating rod, a contact adjacent the other end of said rod exteriorly of the casing, said contact being in the said electrical circuit, and means normally biasing said rod away from said contact until engaged therewith by said cam, said last-mentioned means comprising a spring positioned in a recess in said sleeve.

2,498,928
SEPARATION OF CYCLOPENTANE-NEOHEXANE MIXTURES BY AZEOTROPIC DISTILLATION WITH METHYL FORMATE
Gardner C. Ray, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 8, 1946, Serial No. 660,400
3 Claims. (Cl. 202—42)

1. In the distillation of a mixture of cyclopentane and neohexane that improvement which comprises adding methyl formate to such mixture in amount less than the quantity required to form azeotropes with all hydrocarbons present but sufficient to form an azeotrope with all said neohexane, distilling the resulting mixture and recovering a cyclopentane-rich kettle product free from methyl formate.

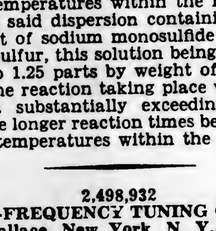
2,498,929
SLIDING VANE PUMP
Erik G. Seastrom, Easton, Pa., assignor to Treadwell Engineering Company, Easton, Pa., a corporation of Pennsylvania
Application July 3, 1947, Serial No. 758,871
17 Claims. (Cl. 103—5)



4. In a rotary pump of the class described, a casing having a cylindrical working chamber therein, an anti-friction bearing assembly carried by said casing upon one side of said chamber, a driving shaft rotatably supported intermediate its length by said bearing assembly, one end of the shaft extending outwardly of the bearing assembly upon one side thereof and the other end of the shaft extending from the bearing assembly in the opposite direction into the working chamber, an impeller hub carried on the latter end within the chamber, said anti-friction bearing assembly in the casing serving as the main bearing to take the major radial thrust of the shaft but said other or working end of the shaft-and-impeller combination being otherwise guided in the casing as in the following arrangement: a radial vane carried by said impeller hub and adapted to revolve in the working chamber; bearing surfaces in the casing disposed eccentrically of the shaft and impeller hub; a cylindrical sleeve rotatably mounted in said bearing surfaces; at least one bearing bushing having mutually eccentric inner and outer bearing surfaces, said bushing being inserted between the impeller hub and the eccentric sleeve; a system of seepage clearances and ducts leading from the working chamber to the subsidiary bearing surfaces of the hub, sleeve, and bushinf to seal and lubricate them; and additional sealing means in the working chamber between the sleeve and the hub and between the casing wall and the sleeve.

2,498,930
SELF-SEALING JAR CLOSURE
Clifford Wadsworth, Blackfoot, Idaho, assignor of forty-five per cent to Ferra Young, Idaho Falls, Idaho
Application February 6, 1948, Serial No. 6,581
3 Claims. (Cl. 215—40)

1. A jar having a sealing lip at its open end, a closure comprising a resilient channel shaped sealing gasket yieldingly embracing the sealing lip and including inner and outer annular flanged portions, a channeled attaching strip embracing said sealing gasket and including inner and outer annular flanged portions, the inner flanged portion of said attaching strip tapering inwardly relative to the open end of said jar, a susbtantially V-shaped channel having one leg integrally formed with the inner flanged portion of said attaching strip, a closure plate integrally formed with the free leg of said V-shaped channel, and a concaved recess provided in the inner flanged



portion of said sealing gasket bearing against the first mentioned leg of said V-shaped channel.

2,498,931
MANUFACTURE OF RUBBER-LIKE PRODUCTS
Hans Paul Wagner, Atlanta, Ga.
No Drawing. Application April 9, 1945, Serial No. 587,445
19 Claims. (Cl. 260—41.5)

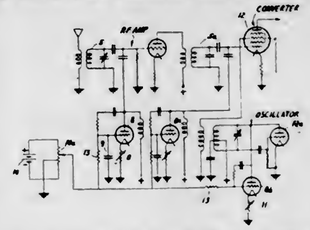
1. In the manufacture of rubber-like products, the process which comprises compounding a sulfur-sulfide gum with from 0.25 to 5.0 per cent by weight of a dithiocarbamate containing the group

$$=N-\overset{\overset{S}{\|}}{C}-S-$$

which is nitrogen-substituted with at least one organic radical and then compounding it with a copolymer of butadiene and an organic compound containing the group $CH_2=CH-$ selected from a group consisting of isoprene, styrene and acrylonitrile, said copolymer having rubber-like properties; said sulfur-sulfide gum being employed in proportions ranging from 10 to 80 per cent by weight in the product and being produced by reacting a freshly-prepared unstable dispersion of sulfur in an aqueous sodium monosulfide solution, from which substantially all the sulfur in excess of the monosulfide precipitates upon standing, with ethylene dichloride in a closed reaction vessel at temperatures within the range of 140° to 210° F.; said dispersion containing from 0.85 to 0.98 part of sodium monosulfide to 1 part by weight of sulfur, this solution being reacted with from 1.1 to 1.25 parts by weight of ethylene dichloride, the reaction taking place within a time period not substantially exceeding 120 to 10 minutes the longer reaction times being used with the lower temperatures within the range stated.

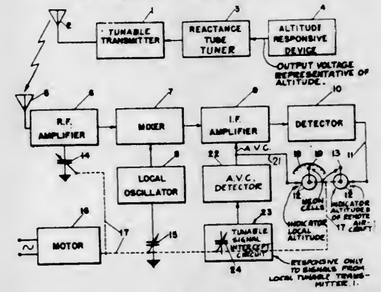
2,498,932
HIGH-FREQUENCY TUNING CIRCUIT
Marcel Wallace, New York, N. Y., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y., a corporation of New York
Application August 18, 1944, Serial No. 550,046
2 Claims. (Cl. 250—20)

1. A translating circuit, comprising, a plurality of amplifier tubes coupled by tuned radio frequency transformers having windings, tuning condensers connected across the windings of said transformers, means to adjust the resonant frequencies of said windings comprising grid controlled electron discharge devices each having a cathode, an anode and a control grid, said electron discharge devices connected across the ends of said windings, respectively, means for shifting the phase of the operating voltage at one end of each winding and applying the phase shifted voltage to the grid of the connected electron discharge device, a common adjustable biassing



source for the grids of all said discharge devices, an unby-passed resistor in the cathode circuit of each of said electron discharge devices, and means for individually varying said resistors.

2,498,933
TELEMETRIC ALTITUDE INDICATOR FOR AIRCRAFT
Marcel Wallace, Fairfield County, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y., a corporation of New York
Application April 19, 1946, Serial No. 663,314
9 Claims. (Cl. 177—351)



1. In combination, a continuously transmitting local transmitter, a substantially continuously receiving frequency scanning receiver associated with said transmitter and susceptible of receiving at high signal levels transmissions from said transmitter, a plurality of remote transmitters each tunable to transmit a signal at a frequency determined by the value of a measurable quantity, the transmission frequencies of said local transmitter and of said remote transmitters falling within the scanning range of said receiver, an indicator periodically moving in synchronism with the scanning operation of said scanning receiver, means responsive to reception of each signal by said receiver deriving from said remote transmitters for energizing said indicator to provide a visible indication of received frequency, and means operating during reception of signals by said receiver derived from said local transmitter for transiently disabling said receiver during such reception only.

2,498,934
FLEXIBLE BAND JAR CAP REMOVER
Alton J. Webb, Williamsport, Pa.
Application June 22, 1946, Serial No. 678,622
3 Claims. (Cl. 81—3.43)

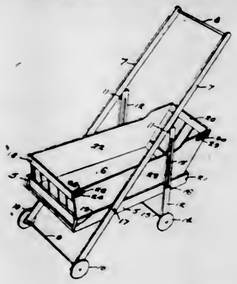
1. A device of the character described comprising a handle having parallel side walls united

by a thickened end wall, a pair of parallel guides supported at the ends opposite the end wall between said side walls, a slide reciprocably mounted and guided between said side walls, said side walls having lateral flanges for retaining and guiding said slide, a slide adjusting means secured thereto and extending through a bore in said end wall, and a loop of flexible



material disposed exteriorly of and adjacent said opposite ends of said side walls and having ends disposed between said parallel guides and secured to said slide, said parallel guides including rollers journaled in said side walls defining a narrow rectangular space therebetween, whereby the flexible material is spaced from said flanges when the material is tensioned by said adjusting means.

2,498,935
COLLAPSIBLE BABY BUGGY
Webster F. Woods, Glendale, Calif.
Application August 19, 1947, Serial No. 769,480
5 Claims. (Cl. 280—41)



1. A device of the character described, including a bottom portion, end panels connected thereto for movement substantially into the plane of the bottom portion, side panels connected solely to the end panels for upward swinging movement into a plane substantially parallel to the plane of the bottom portion, a wheel-supporting structure connected to the bottom portion, and means for collapsing said structure along the sides of the bottom portion.

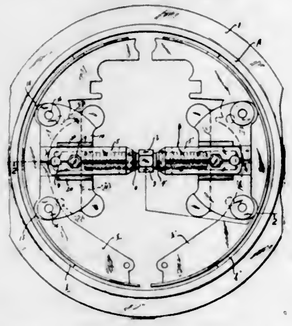
2,498,936
ALIPHATIC TRITHIOCARBONATES
Darwin E. Badertscher and Charles F. Feasley, Woodbury, and Henry G. Berger, Glen Rock, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Original application August 30, 1945, Serial No. 613,704. Divided and this application January 23, 1947, Serial No. 723,904
4 Claims. (Cl. 260—455)

1. As a new composition of matter, a compound represented by the general formula:

$$R'—A—R^2—B—R^3$$

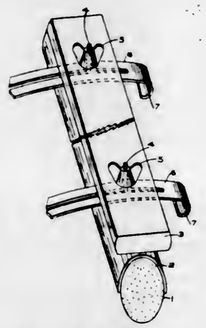
wherein R' and R^3 are monovalent tertiary alkyl groups; R^2 is an alkylene group; and wherein A is a trithiocarbonate group and B is selected from the group consisting of a sulfide group and a trithiocarbonate group.

2,498,937
APPARATUS FOR SECURING LINING MATERIAL TO BRAKE SHOES
Harry B. Barrett, St. Louis, Mo.
Application February 15, 1947, Serial No. 728,762
10 Claims. (Cl. 154—1)



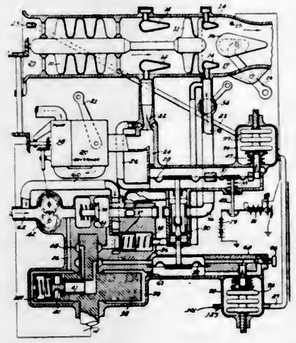
1. A device for use in adhesively securing a brake lining material to brake shoes, which device comprises, in combination, a ring sized for internally accommodating a plurality of brake shoes with strips of lining material applied to the faces thereof, an expansible spreader adapted for disposition within the ring having a pair of oppositely presented shoe-holders for abutting engagement with the rear faces of the shoes adjacent the webs thereof, clevises disposed around and connected to each shoe-holder, and a turnbuckle type screw threadedly engaged in each clevis.

2,498,938
LAWN MOWER SHARPENER
Lewin Bentley, Chilliwack, British Columbia, Canada
Application November 26, 1947, Serial No. 788,121
In Canada April 26, 1947
1 Claim. (Cl. 51—250)



A sharpening attachment for lawn mowers comprising an elongated sharpening stone, a plate adapted for clamping engagement of the stone, a flat bar on the plate lengthwise thereof, bolts through the plate and bar, and brackets providing slots by which said brackets may be mounted slidable on the bolts between the plate and bar, and said brackets providing curved ends adapted for engagement of the axle of a mower to be sharpened.

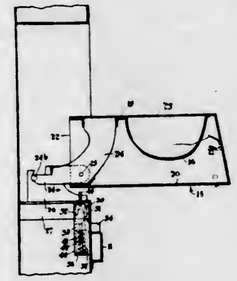
2,498,939
GAS TURBINE TAIL BURNER FUEL CONTROL
Wilfred S. Bobier, Jr., Grosse Pointe Woods, Mich., assignor to George M. Holley and Earl Holley
Application November 1, 1948, Serial No. 57,654
11 Claims. (Cl. 60—35.6)



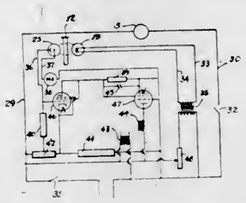
9. A gas turbine air compressor power unit having a source of fluid fuel under pressure and an air entrance and an air compressor therein driven by said gas turbine, a first combustion chamber downstream from said air compressor having a fuel entrance connected to said source, said gas turbine being rotated by the gases from said first combustion engine, a second combustion chamber located downstream of said gas turbine, a fuel entrance connected to said source and leading into said second combustion chamber, a fuel control for said first and second combustion chambers comprising manual means for regulating the fuel flow to the first combustion chamber and automatic means for controlling the flow to the second combustion chamber including first means responsive to an increase in fuel flow to first combustion chamber, second means responsive to an increase in temperature of the air entering the air compressor, third means responsive to an increase in pressure of the air entering the air compressor, the flow to the second combustion chamber being regulated inversely to the first, second and third means.

2,498,940
WASH BASIN INSTALLATION
Harry Alfred Bunker, St. Lambert, Quebec, Canada, assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada
Application January 26, 1949, Serial No. 72,988
2 Claims. (Cl. 4—169)

1. A wash basin installation comprising a cabinet provided with a basin-receiving compartment open at the front, a wash basin, means mounting said wash basin for swinging movement about a horizontal axis located within the lower portion of said compartment, said basin being swingable about said axis from a horizontal position disposed exteriorly of said compartment to a vertical position in which the basin is housed within said compartment, a locking pin rigidly secured to said basin to travel in an arcuate path so that said locking pin is disposed below said axis when the basin is swung to its vertical position within said compartment, a normally elevated basin locking hook slidably mounted in the cabinet below the pivotal axis of said basin, said hook having a bill portion beneath which said locking pin is disposed in the vertical position of said basin, a spring normally holding the hook in an elevated position and a bed-engaging projection extending outwardly from said cabinet through a slot in the front wall of the cabinet and adapted to be depressed by engagement of a bed therewith to force the hook downwardly so that the bill of the hook engages over said locking pin to lock the basin in its vertical position within said compartment.

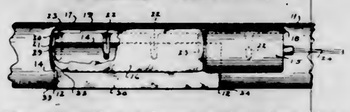


2,498,941
CLOUD POINT INDICATOR
Le Roy Clardy, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application March 23, 1948, Serial No. 16,442
2 Claims. (Cl. 177—311)



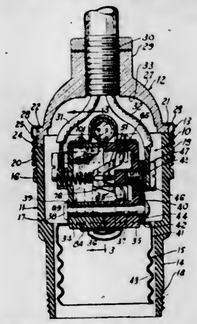
1. In a device for indicating the cloud point of a fat, the combination comprising: a cylindrical vessel adapted to contain a cooling liquid, a housing mounted on one side of said vessel, a light source in said housing and including means for directing a beam of light across said vessel, a second housing mounted on the opposite side of said vessel, a phototube mounted in said second-mentioned housing and arranged to receive said beam of light, a transparent tube adapted to contain a liquefied fat extending vertically downwardly into the interior of said vessel and interrupting said light beam, a stirrer positioned within said transparent tube for agitating said liquefied fat, a vacuum tube amplifier associated with said phototube for amplifying the electrical impulses received from said phototube, a thyratron tube connected to said amplifier, and buzzer mechanism associated with said thyratron and being operative by the flow of current through said thyratron to sound an audible signal upon a predetermined change in the light transmission characteristics of the liquefied fat.

2,498,942
CONCEALED BED LAMP
Ben Cones, Indianapolis, Ind.
Application August 3, 1946, Serial No. 688,189
6 Claims. (Cl. 240—4)



1. For mounting a lamp and socket, the combination with a horizontally disposed bed head piece hollow rail having a longitudinally disposed aperture therein; a lip inturned in a direction away from a longitudinal edge of the aperture to have the inner end of this lip spaced from the rail wall; a lamp and socket mounting element; fingers extending from the element to elastically engage about a lamp and socket to be carried by the element; and fingers extending from an edge of the element adapted, upon body rotation of the element within the rail, to enter under said lip.

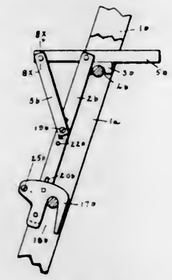
2,498,943
ILLUMINATED SWITCH SOCKET
Joseph F. Courtney, Chicago, Ill.
Application April 21, 1947, Serial No. 742,933
10 Claims. (Cl. 240—2)



1. In an illuminated electrical switch socket, the combination of a housing member with a switch unit in said housing member and an electrical connector carried by said housing member for receiving an incandescent bulb, said switch unit controlling the line connection to said electrical connector, and a source of illumination located inside said housing and visible on the outside of said housing, said source being connected across the contacts of said switch unit in series with said electrical connector whereby the said source is energized when the incandescent bulb is de-energized and the socket is illuminated when de-energized for visibility in the dark, said source comprising a glow lamp having spaced electrodes and provided with a series resistance across said switch unit, said glow lamp being secured to said switch unit by a plastic member embracing the glow lamp and having flanges secured to the switch unit.

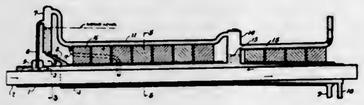
2,498,944
ANGLE BRACKET FOR LADDERS
Bernard C. Dyer, Pittsford, N. Y.
Application March 12, 1947, Serial No. 734,278
6 Claims. (Cl. 304—31.5)

6. An angle bracket for a ladder comprising two upright members running substantially parallel to the uprights of the ladder, means connected thereto at the top thereof for engaging with an upper rung of the ladder, an upright plate attached to each of the upright members at the bottom thereof, each of said plates having a



downwardly opening slot on one side of said upright member adapted to engage with a lower rung of the ladder, a tie rod connecting each of said plates in front of said upright members, said tie rod forming a step with the adjacent rung of the ladder.

2,498,945
GENERATOR AND HEAT EXCHANGER IN AN ABSORPTION REFRIGERATOR
Walter L. Edel, Detroit, Mich., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich., a corporation of Delaware
Application March 29, 1946, Serial No. 658,309
15 Claims. (Cl. 62—119.5)

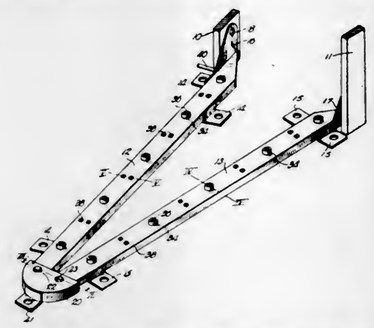


1. In absorption refrigeration having liquid circulation from the absorber to the generator and generator to absorber by the aid of a lift and gravity, the combination of a generator having an elongated boiler or still with a flue extending therethrough for products of combustion and means for lifting liquid from the hot end of said boiler to an elevation for separation of the vapors and to flow the liquid by gravity to the upper part of the absorber, means for delivering the cool rich liquor from the absorber to the cooler end of the boiler to flow through the boiler and around the combustion flue to the hot end of the boiler and a conduit for conducting and rectifying the vapors separated from the liquid at said elevation longitudinally of the boiler in countercurrent but heat exchange relation with the rich liquors in the boiler flowing from the cooler to the hotter end.

2,498,946
CATTLE SPRAYER
Sterling L. Evans, Kansas City, Mo.
Application September 10, 1945, Serial No. 615,291
4 Claims. (Cl. 119—159)

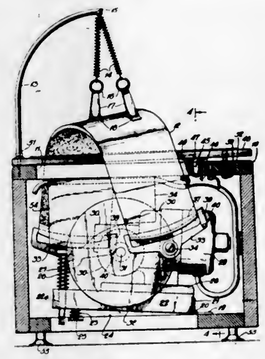
1. A sprayer of the character described comprising a V-shaped body having a pair of legs articulated at the apex of the body; a plurality of spray heads along the legs of the body; a pipe mounted on each leg respectively for supplying liquid under pressure to the spray heads, and

means for connecting the pipes at the apex of the body, said means being flexible to permit relative



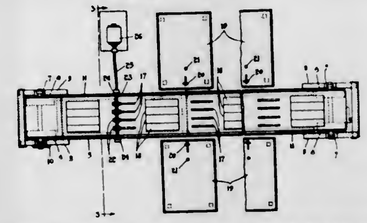
movement of the legs and the pipes carried thereby toward and from each other.

2,498,947
ELECTRIC SHOE POLISHING MACHINE WITH RECIPROCATING POLISHING BELT
George T. Fielding, Stamford, Conn.
Application August 22, 1945, Serial No. 611,954
3 Claims. (Cl. 15—97)



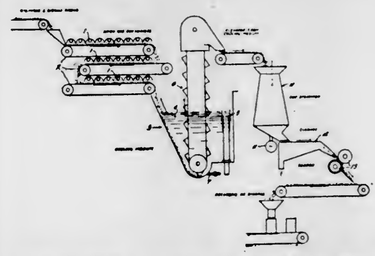
1. In a combination of the class described, a box-like casing, a foot treadle mounted on the top of said box-like casing and adapted for slight depression relatively to said casing as by a foot applied thereto, a polishing cloth, resilient means extending between said casing and cloth for yieldingly holding the cloth in an inverted bight over said foot treadle with the ends of the cloth entering the box-like casing through slots formed in said casing at each side of said treadle, an electric motor within said casing, a drive shaft rotatable by said motor, an eccentric at each end of the said shaft with said eccentrics positioned 180° apart relatively to the axis of said shaft, means securing the ends of said cloth to said eccentrics for reciprocation thereby, and means pivotally mounting said motor and drive shaft for movement as a unit relatively to said casing on an axis parallel to said drive shaft whereby said motor is moved on said pivotal mounting as by the pressure of a shoe applied against the bight of said cloth.

2,498,948
APPARATUS FOR SHIRRING SAUSAGE CASINGS
Edward Flomen, Montreal, Quebec, Canada
Application August 2, 1947, Serial No. 765,801
9 Claims. (Cl. 17—35)



1. In a shirring apparatus of the character described, the combination of a mandrel assembly, including an upright mandrel supporting post, a cylindrical mandrel telescopically fitted on said post and an L-shaped shirring mandrel having one arm fitted over the free end of said first mentioned mandrel with the remaining arm directed horizontally to receive a portion of a sausage casing thereon, and a power actuated shirring element engageable with that portion of the sausage casing carried by said horizontal arm for shirring the casing onto said shirring mandrel.

2,498,949
PROCESS FOR SEEDING AND CAP STEMMING RAISINS
Thomas W. W. Forrest, Fresno, Calif., assignor to Fewel Bros. Packing Co., Fresno, Calif., a copartnership composed of Richard W. Fewel and Alan J. Fewel
Application May 12, 1945, Serial No. 593,435
6 Claims. (Cl. 146—227)

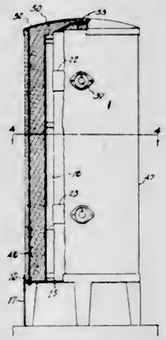


1. The process of treating raisins for seeding that comprises the steps of heating the raisins to between about 158° F. and 165° F. substantially free from the removal of moisture therefrom, then reducing the temperature of the raisins to about 125° F. by passing them through relatively cool water, and thereafter removing the caps and seeds from said raisins.

2,498,950
ELECTRIC WATER HEATER
Paul L. Fowler, Portland, Oreg.
Application August 26, 1946, Serial No. 693,065
3 Claims. (Cl. 219—39)

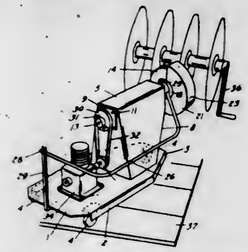
1. In the hot water tank a combination of a cylindrical water container with a heating element clamped against the exterior of said container, a cylindrical reflector concentric with

hot water container and spaced therefrom by means of wooden blocks, a cylindrical outer shell surrounding said reflector and spaced therefrom by means of an insulating material, said outer shell being divided into halves, the edges of said halves being inturned, a channel member adapted



to unite said inturned edges and hold said shell to a cylindrical form together with a base and cap at opposite ends of said tank, forming closures for the space between said tank and reflector and means for securing said channels to said base.

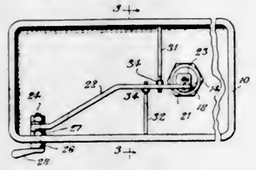
2,498,951
DISK GRINDING MACHINE
Frank Poersch Froese, Winnipeg, Manitoba, Canada
Application April 30, 1947, Serial No. 744,929
4 Claims. (Cl. 51—173)



1. In a grinding machine having an abrasive wheel mounted on a power driven shaft and said wheel partly encircled by a guard; means for moving said guard around said abrasive wheel, comprising: a bail shaped control arm having the ends mounted for aligned rotation with said shaft for movement of said arm from one side of said machine to the other; and frictional means connecting said guard with said control arm.

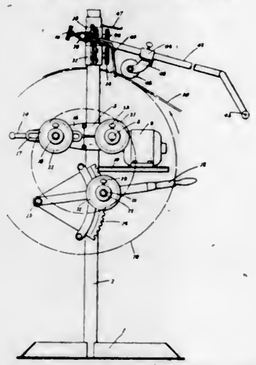
2,498,952
LEVER GUIDE FOR FLUSH TANKS
Samuel Gertz, Jamaica, N. Y.
Application July 7, 1945, Serial No. 603,693
3 Claims. (Cl. 4—67)

1. In a flush tank having side walls and a bottom with a discharge opening in the bottom of the tank commanded by a valve that is operated by a lever extending lengthwise of the tank above the valve, the combination with said lever of a fulcrum supporting one end of the lever adjacent an end of the tank, and guide means connected to the lever near its end remote from the fulcrum and extending transversely from both sides of the lever into close proximity to



opposite sides of the tank so that contact of said guide means with the sides of the tank prevents any substantial transverse displacement of the lever.

2,498,953
TIRE TREAD APPLYING MACHINE
Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application June 22, 1948, Serial No. 34,427
16 Claims. (Cl. 154—9)

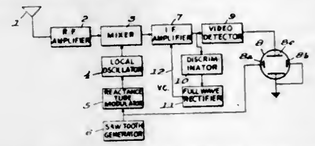


1. A tire tread applying machine comprising an upstanding support, a plurality of spaced, horizontal spindles projecting laterally in the same direction from the support, means journaling one spindle in connection with the support, a drive unit coupled to said one spindle, means securing a second spindle to the support rearward of said one spindle, means securing a third spindle to the support below said one spindle, and a pair of axially spaced tire supporting rollers mounted on each spindle.

2,498,954
PANORAMIC RECEIVER WITH MEANS FOR MODIFYING SIGNAL PULSES APPLIED TO INDICATORS
Joseph I. Heller, Brooklyn, N. Y., assignor to Panoramic Radio Corporation, New York, N. Y., a corporation of New York
Application May 7, 1946, Serial No. 667,848
11 Claims. (Cl. 250—20)

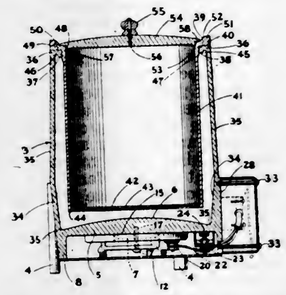
3. In combination, in a panoramic receiver of the periodically frequency scanning type, means for providing frequency modulated signals in response to each frequency scan of said receiver, gain controllable means for translating said frequency modulated signals, a frequency discriminator providing alternate positive and negative

response signals in response to frequency modulations of said frequency modulated signals, means comprising a full wave rectifier for deriving from said response signals a gain control signal during each cycle of modulations of said frequency modulated signal, said gain control signal having an amplitude characteristic of alternate portions of the same polarity separated by a point of zero



amplitude, means for applying said gain control signal to said gain controllable means to control the gain thereof, a cathode ray tube indicator having means for generating a cathode ray beam, means for sweeping said beam in a first path in synchronism with said scanning, and means for actuating said beam in response to signal deriving from said gain controllable means.

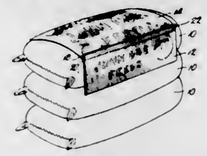
2,498,955
ELECTRICALLY HEATED GLUEPOT
Clyde H. Henderson, Kansas City, Mo.
Application May 6, 1946, Serial No. 667,649
7 Claims. (Cl. 219—44)



4. A device of the character described, comprising a water receptacle, means for heating the same, and a glue container within said receptacle, said water receptacle having a circular bottom wall having a convex top face and a flat bottom face to provide a wall gradually increasing in thickness toward the center thereof, and having a marginal flange depending therefrom, means cooperating with said flange to form a housing, and an annular heating element mounted on the under side of said bottom wall within said housing co-axially with said bottom wall.

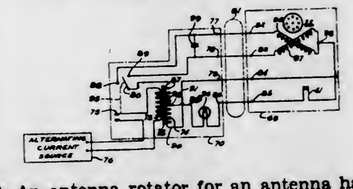
2,498,956
DISPLAY SIGN FOR STACKED MERCHANDISE
Maurice D. S. Johnson, North Kansas City, Mo., assignor to Staley Milling Company, Kansas City, Mo., a corporation of Missouri
Application January 27, 1947, Serial No. 724,523
1 Claim. (Cl. 40—2)

A display sign for filled, fabric sacks of merchandise disposed in stacked relationship, said sign comprising a relatively stiff polygonal panel, adapted to have advertising indicia placed on one face thereof; and an apron extending laterally from the opposite face of said panel, the proximal marginal edges of the panel and the apron respectively being coextensive and stitched together, said apron covering substantially the entire surface of one face of one sack of the



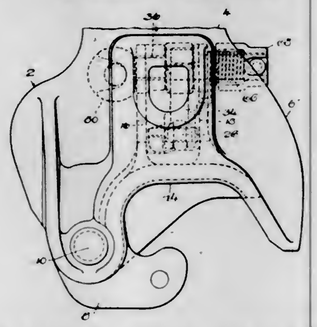
stacked merchandise when operatively associated therewith and being formed from fabric whereby the same conforms to the contour of and clings to said one sack when disposed in covering relationship thereof.

2,498,957
ANTENNA ROTATOR
Richard H. Jordan, Mansfield, Ohio, assignor to The Alliance Manufacturing Company, a corporation of Ohio
Application November 19, 1948, Serial No. 60,873
17 Claims. (Cl. 318—207)



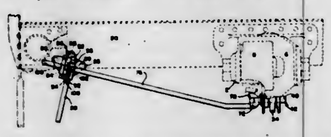
8. An antenna rotator for an antenna having a shaft, comprising, first and second complementary housing shells interfitting to form a weatherproof housing, means on said housing to fasten said housing to a fixed support, first and second longitudinally opposite end walls in said housing, bearings carried by said end walls, a hollow shaft weatherproofly journalled in said bearings and having first and second ends extending beyond said first and second end walls, respectively, a clamp carried by each of said first and second ends to clamp the shaft of said antenna receivable in said hollow shaft, an electric motor fastened within said housing, a ring gear fixedly attached to said hollow shaft within said housing, unidirectional gear train means including a worm gear meshing with said ring gear for driving said hollow shaft from said electric motor, terminal connection means for providing electrical connection to said electric motor, and stop means for limiting rotational movement of said hollow shaft, said stop means including a first lug axially projecting from said hollow shaft, a slot in each of said housing shells adapted to form one continuous slot, a stop slide engaging said continuous slot, said first lug having a first width establishing a first arcuate dimension relative to said hollow shaft, a second lug on said stop slide adapted to engage said first lug upon rotational movement of said hollow shaft, said second lug having a second width establishing a second arcuate dimension relative to said hollow shaft, a given angle being established by 360 degrees less the sum of said first and second arcuate dimensions, said stop slide having a lost motion connection with said continuous slot such that the rotational movement of said hollow shaft exceeds said given angle.

2,498,958
COUPLER
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 28, 1945, Serial No. 637,524
32 Claims. (Cl. 213—148)



1. In a coupler, a coupler head, a lock therewithin, a lifter, a link pivotally connected to said lock and said lifter, a rotor supported by spaced walls of said head and connected to said lifter, said rotor being movable transversely of said walls and having its ends projecting therefrom, a lug on said rotor between said walls, a lug on one of said walls engageable with said rotor lug for preventing rotation of said rotor in the locking position of said lock, a spring cap secured to one end of said rotor, a coil spring sleeved over said rotor and compressed between said last-mentioned wall and said cap for moving said rotor transversely of said walls and thereby said lugs into engagement, and actuating means on said rotor at the other end thereof for rotating said rotor and to move the same transversely of said walls in the opposite direction to disengage said lugs, said spring having its ends bearing against said spring cap and the adjacent wall and being in torsion therebetween to facilitate movement of said lock into locking position.

2,498,959
COUPLER
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 3, 1947, Serial No. 726,172
32 Claims. (Cl. 213—148)



1. In a coupler, a coupler head, a lock therewithin, a lifter, a link pivoted to said lock and lifter, a rotor supported by spaced walls of said head and connected to said lifter, said rotor being rotatable on its axis and movable transversely of said walls and rotatable in an axial plane substantially vertically of one of said walls, one end of said rotor projecting through an elongate slot in said one wall, the other end of said rotor extending through an opening in the other of said walls, a lug with a downwardly sloping surface on the inboard face of said one wall, a lug on said rotor between said walls and having a face in complementary engagement with said surface and slidable thereon, a shoulder on the outboard face of said one wall adjacent said slot, another lug on said rotor abutting the outboard face of said one wall and the adjacent side of said shoulder for preventing rotation of said rotor in the locking position of said lock, and actuating means connected to said rotor for simultaneously rotating the latter and moving the same transversely of said walls, whereby said first-mentioned rotor lug is caused to slide upwardly upon said surface, thus moving said one end of the rotor upwardly within said slot and disengaging said second-mentioned rotor lug from said shoulder for permitting further rotation of said rotor on its axis for unlocking said coupler.

2,498,960
HEADSET
Clayton D. Mullin, St. Paul, Minn., assignor to Telex Inc., St. Paul, Minn., a corporation of Minnesota
Application September 15, 1945, Serial No. 616,609
12 Claims. (Cl. 179—156)

1. A head set comprising a two part hinge, one of said parts having a recess portion with an open face and an integrally formed tubular arm extending outwardly therefrom, said recess portion being adapted to receive a telephone receiver of the hearing aid type, a second matching hinge part having a cover portion fitted to overlay said open face of the recess portion and an integrally formed tubular arm extending outwardly therefrom, said tubular arms being approximately in the same plane, a hinge pivot means connecting the recess portion at its open face and the cover portion, said cover portion, hinge pivot means and recess portion being apertured so as to provide an uninterrupted sound passageway from the recess to each of the tubular arms, a pair of tubes mounted as tubular extensions of the tubular arms, said tubes being shaped to extend around a user's face and extend into the user's ears, and a telephone receiver of the hearing aid type mounted in the recess whereby sound waves from said telephone receiver pass through said uninterrupted sound passageway.

2,498,961
MINERAL OIL COMPOSITION
Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 6, 1945, Serial No. 603,589
4 Claims. (Cl. 252—42.7)

4. An improved mineral oil containing a minor proportion of an oil soluble condensation product represented by the general formula:



wherein A is an aromatic nucleus; R′ is an alkyl radical; a represents the number of R′ groups attached to an aromatic nucleus A, and is an integer from 0 to 3; M is selected from the group

consisting of hydrogen and a polyvalent metal; R^2 is selected from the group consisting of hydrogen and alkyl; Y is a morpholine group attached at a secondary nitrogen atom thereof to the carbon atom of the

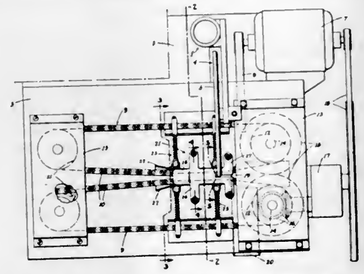


group; and c represents the number of



groups attached to the aromatic nucleus A and is an integer from 1 to 3.

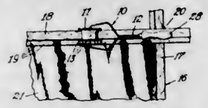
2,498,962
NUT CONVEYING AND HOLD-DOWN MEANS FOR NUT HALVING MACHINES
Edie J. Patterson, Stockton, Calif.
Application March 31, 1947, Serial No. 738,414
4 Claims. (Cl. 146—72)



1. A nut halving machine comprising a table, a pair of driven, endless flexible members mounted on the table horizontally with a pair of the runs thereof in adjacent side by side relation, means to actuate the flexible members so that the adjacent runs travel in the same direction, said runs being adapted to engage nuts therebetween in advancing relation, a saw blade working between said runs to halve nuts as so advanced, and a guide and hold down assembly cooperating with the runs adjacent the saw blade to yieldably urge said runs toward each other and to hold down nuts engaged therebetween; said assembly comprising lateral pressure plates engaging the runs on opposite sides, spring means yieldably urging the lateral pressure plates inwardly, a nut hold down plate disposed above the runs and said lateral pressure plates, longitudinally spaced, laterally outwardly projecting arms on said hold down plate, rods upstanding from the table and projecting through the arms, and compression springs on the rods above and bearing against said arms.

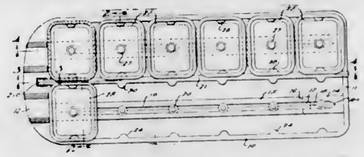
2,498,963
CURTAIN STRETCHER ROLLER
James V. Piercey, Chicago, Ill.
Application February 15, 1946, Serial No. 647,914
7 Claims. (Cl. 81—3)

1. A roller for use with a curtain stretcher having a frame with pins projecting therefrom at spaced points which comprises a cylindrical spool having a channel around its periphery, a handle rotatably engaging the spool at the center of at least one end thereof, and a plurality of pusher members secured to the spool at spaced points and each having a thin outside edge extending



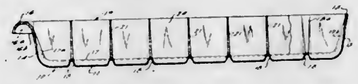
across the channel, said channel being of sufficient depth and width to receive the pins when the roller is moved along the frame.

2,498,964
ICE TRAY
John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application April 23, 1945, Serial No. 589,764
9 Claims. (Cl. 62—108.5)



1. A liquid freezing device, comprising a framework having side frame members forming the four sides thereof and bottom supporting members connected to certain of said side frame members, a plurality of liquid freezing receptacles located within said framework, and means for keying each receptacle to the framework including a lug on one of the members extending into a recess in a wall of the receptacle.

2,498,965
ICE TRAY
John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application March 25, 1948, Serial No. 16,979
8 Claims. (Cl. 62—108.5)

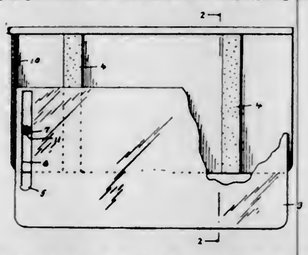


1. A liquid freezing tray comprising a pan-shaped member having a bottom and surrounding upright side walls, said bottom having a longitudinal rib intersected by a plurality of transverse ribs, and a removable grid member within said pan-shaped member and comprising connected longitudinal and transverse divider strips having their lower edges engaging said ribs, said strips increasing in thickness from their upper edges toward the lower edges thereof.

2,498,966
ADJUSTABLE AUTO VISOR EXTENSION
Walter H. Sauer, Fowler, Colo.
Application March 11, 1948, Serial No. 14,373
2 Claims. (Cl. 160—37)

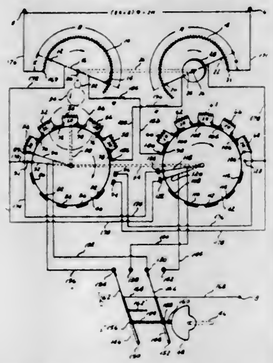
1. In combination with a visor having a pair of spaced walls, an extension of non-glare transparent material, strips on the walls of the visor

engaging the extension to prevent rattling and to maintain adjustment thereof, said extension having a slot with a rack positioned therein, a shaft supported for rotation by the walls of the visor, having a pinion affixed thereto engaging the rack,



knobs affixed to the shaft at opposite sides of the visor for rotating the shaft and pinion, and a flat surface on the visor against which the extension bears and is guided by in its movement.

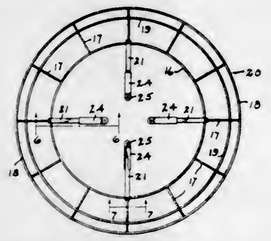
2,498,967
POTENTIOMETER
Carl F. Schaefer, Port Washington, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut
Application December 10, 1949, Serial No. 132,235
15 Claims. (Cl. 201—48)



1. A potentiometer including in combination a pair of terminals, a resistance across the terminals comprising a plurality of separated fixed resistors and a rheostat having a variable brush, a multiple element switch for connecting the fixed resistors and the rheostat in series, a third terminal, means for connecting one of said switch elements to the third terminal and means for moving the switch in predetermined relation to the movement of the rheostat brush whereby the switch element connected to the third terminal will successively bridge successive fixed resistors.

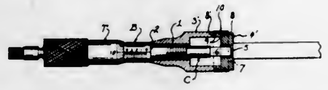
2,498,968
FAN GUARD MOUNTING
John H. Vlewegh, Indianapolis, Ind.
Application March 7, 1945, Serial No. 581,359
2 Claims. (Cl. 230—275)

2. For mounting a fan guard on a motor, a fan guard; a plurality of bars exceeding two in number hinged by outer ends to said guard in a common circle and spaced one from the other circumferentially therearound; a member slidingly telescoping with each of said bars as an adjustable extension thereof; and motor engaging means on the outer end of each of said telescoping members; whereby said telescoping members



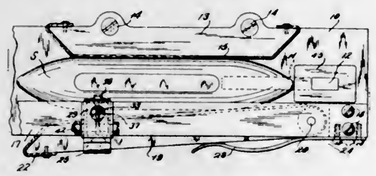
may be individually secured by their outer ends to said motor either on an end or on the circumferential surface thereof and axially align the guard with the fan driven by the motor in the absence of securing means between said bars and said telescoping member.

2,498,969
LENGTHENING ATTACHMENTS FOR MICROMETERS
Edwin F. Vobeda, Racine, Wis.
Application July 20, 1946, Serial No. 685,033
1 Claim. (Cl. 33—167)



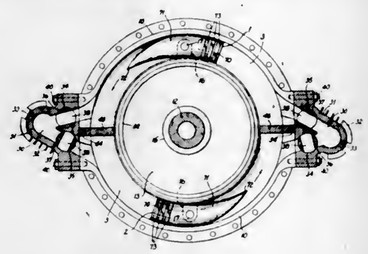
In a standard micrometer having a sleeve and a supplemental sleeve section having abutting ends and V-shaped grooves respectively, a split spring band having a pair of V-shaped ribs engaging the V-shaped grooves of the sleeve and supplemental sleeve section, whereby through spring pressure exerted by the split band, the V-shaped ribs therein will exert a draw pressure upon the sleeve and supplemental sleeve section to firmly hold the same in abutting contact.

2,498,970
SHUTTLE BINDER BOX
William R. Taylor, Jr., Cleveland Heights, Ohio
Application July 13, 1948, Serial No. 38,500
3 Claims. (Cl. 139—185)



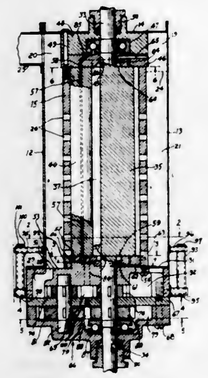
1. In a loom, a lay, a fixed bar running the length of the lay spaced above one side thereof, a binder box having a side bar mounted at its outer end on a pivot extending between said fixed bar and said lay, a spring arranged to exert inward pressure on said side bar for checking the outboard travel of the shuttle, a bracket mounted on said fixed bar near the free end of said pivoted side bar, and a holding spring extending downwardly from said bracket spaced outwardly from said pivoted bar in the inactive position of the latter and adapted to check the final outward movement thereof.

2,498,971
PISTON AND CYLINDER ASSEMBLY
Floyd F. Warner, Mark L. Brooks, and Julius E. Bardelmeier, St. Louis, Mo.
Application January 29, 1944, Serial No. 520,354
10 Claims. (Cl. 230—149)



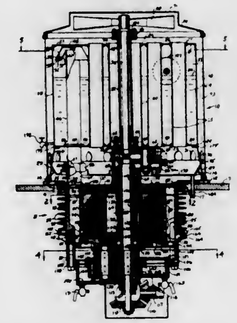
1. A piston adapted for use in a toroidal cylinder and in traversing relation to a wiping and sealing piston-gate structure, the piston being characterized by a body portion and a nose portion, the nose portion being substantially apexed at its forward or leading end, and being formed rearwardly of its forward end to present a series of transverse cross sections each of which exhibits a major axis and a minor axis of substantial symmetry, with one of said axes terminating in defined, substantially rectilinear and longitudinal edge portions.

2,498,972
ROTARY PUMP
Frank A. Whiteley, Minneapolis, Minn.
Application December 4, 1944, Serial No. 566,519
13 Claims. (Cl. 230—152)



5. In a rotary pump, a cylindrical pumping chamber having parallel end walls, an eccentrically positioned rotor therein formed with a longitudinal slot opening to said end walls, a piston member in said slot having its ends engaging said walls, means for rotating said rotor and piston, an oil feeding channel extending through said piston and opening at its ends in the planes of said end walls, the ends of said channels in the operation of the device moving in circles eccentric to the center of the rotor, circular slots in the end walls correspondingly eccentric to the center of the rotor so as to come over the ends of said piston openings at all times, and a single means for feeding oil under pressure into one of said circular slots whereby said pressure oil will be fed through the piston openings to the other of said circular slots and be distributed to all parts of the adjacent surfaces of the end walls and the ends of the piston.

2,498,973
AUTOMOBILE COOLING AIR CONDITIONER
Frank A. Whiteley, Minneapolis, Minn.
Application October 25, 1947, Serial No. 782,092
20 Claims. (Cl. 62—117)

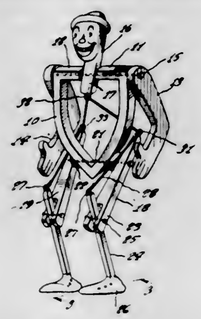


4. An automobile cooling air conditioner, comprising a casing portion having therein a rotary pump, a tank and a conduit between the pump and the tank to evacuate water vapor from the tank and thereby cool water in the tank by evaporation, the pump having a high pressure side and a low pressure side, an oil sump for each side, each sump extending to the bottom of the casing portion, an oil pump between the sumps having pumping connection with both sumps, means otherwise individually separating one sump from the other, and a drainage cock entering each sump at its bottom, whereby any water which may be introduced into the sumps or either of them may be withdrawn therefrom independently of the oil therein.

2,498,974
JUMPING TOY
Edward Wilbik, Lakeville, Ind.
Application March 26, 1949, Serial No. 83,747
3 Claims. (Cl. 46—129)

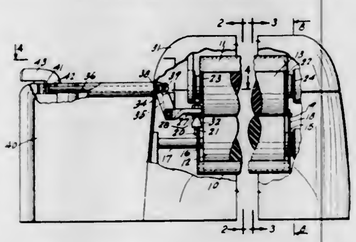
1. A jumping toy comprising a main body, a head pivoted on the main body, upper legs pivoted respectively on the opposite sides of the main body, lower legs pivoted to the ends of the upper legs and extending above the same, said lower legs having feet portions thereon, an operating elastic extending between the upper ends of the lower legs, through the upper ends of the upper

legs and through the lower end of the head whereby upon the toy being depressed, the elastic



will be stretched and upon the toy being released spring action is effected.

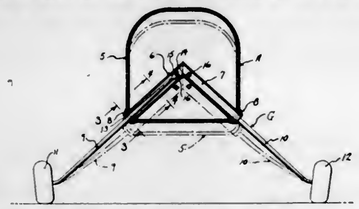
2,498,975
NONWIND SAFETY DEVICE FOR CLOTHES WRINGERS
Harvey W. Williams, Richmond, Calif.
Application March 23, 1948, Serial No. 16,608
2 Claims. (Cl. 68—249)



1. A non-wind safety device for a wringer having a reverse lever and upper and lower rollers, comprising; a shoe for each roller and slightly clearing the non-cooperative peripheries of the respective rollers and each having an arm at each end journaled on the shaft for its roller and with the arms at one end operatively coupled for opposite movements of the respective shoes about the rollers; and two plungers cooperatively related at one end to said reverse lever and at the other end to one of said arms and each movable to one position through movement of said reverse lever to respective forward and reverse engaging positions for the rollers, and movable respectively to another position through movement of either of said shoes in either direction to move said reverse lever to a non-engaging position for the rollers.

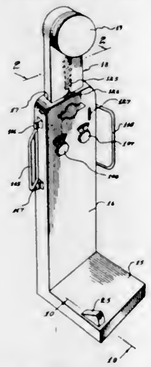
2,498,976
AIRPLANE LANDING GEAR
Sylvester J. Wittman, Oshkosh, Wis.
Application June 17, 1948, Serial No. 33,551
2 Claims. (Cl. 244—104)

1. In an airplane, a pair of downwardly diverging sleeves secured to the airplane, and a pair of diverging resilient struts mounted in the sleeves, said struts being circular in cross section and extending outwardly beyond the sides of the airplane, wheel carrying spindles on the outer ends of said struts, and said struts being gradually



tapered from their points of engagement with the sleeves to the wheel carrying spindles.

2,498,977
VIBRATING APPARATUS FOR TREATING HUMAN BODIES
Paul Bertholin, New York, N. Y.
Application August 21, 1948, Serial No. 45,451
8 Claims. (Cl. 128—36)

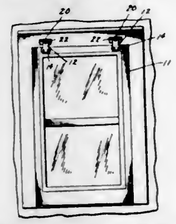


1. A vibrating apparatus for the treatment of human bodies comprising a base serving as a platform, an upright portion extending upwardly from the base, a vibrating head assembly slidably and adjustably connected to the upright portion for adjustment to different elevations depending upon the height of the person using the apparatus, means accessible to the user for vertically adjusting the head assembly, said head assembly having a body engaging element extending forwardly for the engagement with the body of the person standing on the platform and an operating mechanism connected to the body engaging element to transmit vibrations thereto, indicia means on the vibrating head assembly to give indication to the user of the apparatus of the height to which the body engaging element has been extended and means extending between the upright portion and the vibrating head assembly for manually locking the head assembly in its adjusted position.

2,498,978
SASH HANGER
Otto H. Bonner, Lakewood, Ohio
Application April 20, 1946, Serial No. 663,670
3 Claims. (Cl. 16—172)

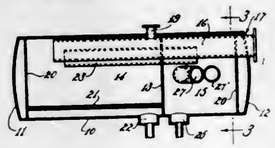
3. A hanger bracket comprising, a pair of supporting base portions spaced apart and adapted

to be fastened in a vertical plane to a supporting structure, a shank of modified U-shaped channel formation opening downwardly and providing a pair of converging side walls and an arcuate top wall terminating short of said base portions and joining said side walls, said shank adjacent the base portions extending upwardly



and outwardly away from said base portions with the top wall terminating in an upturned lip at the outer end thereof, and notches in said shank near said base portions defining aligned supporting seats, said side walls tapering from a point near the base portions to the outer end of the shank.

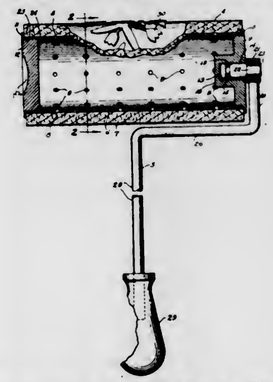
2,498,979
WATER SEPARATOR SILENCER
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application September 18, 1943, Serial No. 502,906
24 Claims. (Cl. 181—52)



21. A silencing apparatus for exhaust gas including a conduit for dry hot exhaust gas, means for dispersing water in the stream of exhaust gas to cool it, means for separating water from the cooled exhaust gas, and means for directing the water-freed exhaust gas into heat exchange relation with a portion of the dry hot exhaust gas.

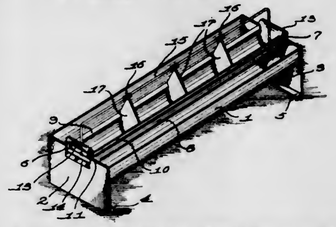
2,498,980
SELF-FEEDING APPLICATOR
Robert B. Bowling and Laurence R. Bennett, Hamilton, Ohio, assignors, by direct and mesne assignments, of one-half to said Bowling and one-half to Frank Coures, Hamilton, Ohio
Application October 8, 1947, Serial No. 778,664
2 Claims. (Cl. 101—327)

1. In an applicator for paint, the combination of a hollow cylindrical roller having a stiff pervious wall and having a closure plug in one end provided with a bearing, a removable filler plug normally closing the other end of said roller, a handle, means for mounting said handle in said bearing whereby said roller may be rotated about its longitudinal axis, and an agitator and spreader inside said cylinder, said agitator and spreader comprising a plurality of flat vanes extending radially from the longitudinal axis of the roller, said vanes being attached together at the center of said roller and having their outer edges bearing on inner walls of the roller, the outer edges of the vanes being slotted to permit controlled amounts of the coating material to flow through



the slots to pass the vanes as the roller rolls.

2,498,981
COMBINATION WATER AND FEED TROUGH
Jabez Belton Darby, Florence, Ala., assignor of one-fourth to Edna Darby, one-fourth to Mary Darby Traweek, one-fourth to Elizabeth Darby Willis, and one-fourth to Wilbur J. Darby, all of Florence, Ala.
Application April 22, 1946, Serial No. 664,116
3 Claims. (Cl. 119—51.5)



1. A combined water and feed trough construction for poultry including an outer semi-circular feed trough supported in spaced relation from the ground, a semi-circular water trough removably supported upon said feed trough concentrically therewith, said trough having vertical end plates, handles on the opposite ends of said water trough and comprising upwardly extending and returned portions of the end plates, and hook means on the ends of the water trough for engaging the top edges and outside surfaces of the ends of said feed trough for removably supporting the water trough in position thereon, said top edges having notches to receive said means, and said notches allowing finger access to the handles.

2,498,982
ABRASIVE TYPE CUTTING ELEMENT AND THE MANUFACTURE THEREOF
George Davies, Welwyn, England, assignor to Arthur Percy Warren, East Twickenham, England
Application April 7, 1947, Serial No. 739,841
In Great Britain September 10, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1965
11 Claims. (Cl. 29—78)

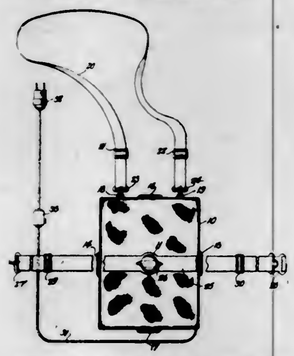
1. A method of forming an abrasive type cutting element according to which a metal surface

to be rendered effective for cutting has pits or depressions formed therein, a hard metal suitable for electro-plating on said surface is then applied electrolytically to the pitted surface to build up



a series of nodules around the pits and the nodules are then broken off, leaving exposed the broken and highly abrasive surface of the nexus by which each nodule was joined to the base metal.

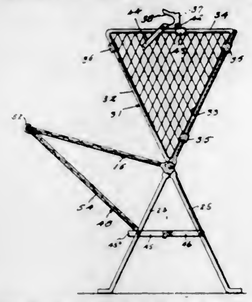
2,498,983
HEATING PAD WITH STRAP FASTENER
John D'Albora, Brooklyn, N. Y.
Application April 12, 1948, Serial No. 20,535
1 Claim. (Cl. 219—46)



In an electric heating pad, the combination, which comprises, a rectangular-shaped heating pad having loops on the sides and ends and strap holding fasteners on one end, centrally disposed buttons positioned on opposite sides of the pad, means securing the buttons to the pad, said securing means extending through the pad, and a strap with extending ends and having a button hole therein adapted to button over the buttons on the sides of the pad providing a swivel connection, said pad having an electric cord with a switch therein and having a plug at the end.

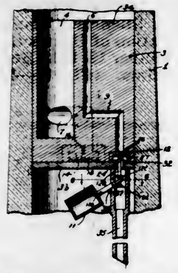
2,498,984
COMBINED CAMP STOVE AND CHAIR
William A. Doppelheuer, Connellsville, Pa.
Application October 26, 1945, Serial No. 624,634
4 Claims. (Cl. 155—41)

4. A convertible grill and chair comprising a pair of rectangular frames pivotally connected together at one end in upwardly divergent relation, a pair of legs fixedly carried by one of said frames, a second pair of legs pivotally carried by said one frame, a pair of triangular end frames, means pivotally securing said end frames to said one frame, releasable latching means for latching said end frames to said other frame, a mesh covering on said frames, a grill member pivotally carried by the free end of the other of said frames, pivoted links between said pairs of legs, certain of said links extending beyond the leg to which they are connected forming supporting extensions in the extended position of said extensions, said grill member being adapted in one position to overlie the divergent ends of said frame members, and to be swung to extend



downwardly to engage said extensions to hold said other frame in downwardly swung horizontal seat forming position.

2,498,985
UNIDIRECTIONAL FLOW VALVE
Walter M. Dotts, Jr., Richmond, Va., and James R. Morrison, Brunswick, Maine
Application March 24, 1948, Serial No. 16,754
12 Claims. (Cl. 215—25)

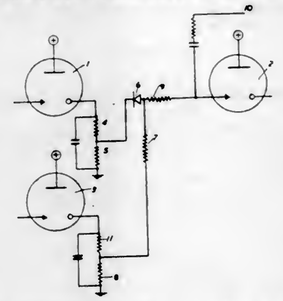


1. In a one-way closure device for attachment to a liquid container, a valve supporting member adapted to be disposed in an opening of the container, said supporting member having a plurality of orifices for conducting fluids through said valve supporting member, said orifices being of a diameter smaller than the minimum air bubble diameter obtaining for the surface tension and density characteristics of the liquid to be retained in the container, valve means in said valve supporting member operative to close said orifices to liquid flow in one direction, and means operative to unseat at least one of said valve means when said valve supporting member is oriented to conduct liquid therethrough to permit flow of air through the orifice associated therewith in a direction opposing the direction of flow of liquid through said supporting member.

2,498,986
CIRCUIT ARRANGEMENT FOR ELECTRIC DISCHARGE DEVICES
Roland Harris Dunn and Peter William Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 29, 1949, Serial No. 90,326
3 Claims. (Cl. 315—250)

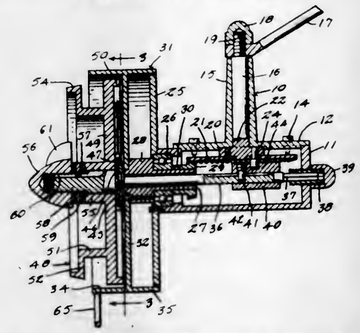
1. Electric circuit arrangement using gas filled cold cathode electric discharge tubes, each tube

having at least a control electrode and a cathode, comprising a principal tube, a pair of similar additional tubes, circuits connecting the cathodes of said additional tubes to ground over individual resistances, an electrical connection from a point on one of said resistances to the control electrode of said principal tube said connection including a rectifier so poled as to offer high resistance to the flow of current to said control electrode, and a connection from a point on said other resistance over a resistance low compared with the backward resistance of said rectifier to



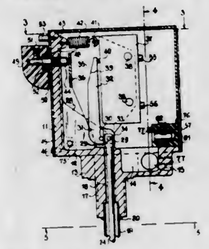
a point between the said rectifier and control electrode, the said resistances being so proportioned that a discharge in one only of said additional tubes will not cause the application of a priming potential between control electrode and cathode of said principal tube for initiating a discharge in said principal tube whilst a discharge in both said additional tubes will cause the application of said priming potential between the control electrode and cathode of said principal tube.

2,498,987
FISHING REEL
Everett S. Duncan, El Cerrito, Calif.
Application August 19, 1946, Serial No. 691,449
3 Claims. (Cl. 242—84.5)



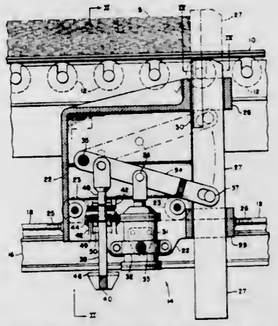
1. An improved reel of the kind described comprising a crank, a ring gear on said crank, pinion gear engaging said ring gear, a housing for said gears having an annular side wall, two opposed openings in said side wall, an anti-friction type bearing carried by said housing in one of said openings, a tubular shaft for said pinion gear rotatably mounted in said bearing, a non-rotatable shaft having a rectangular portion slidably supported in a rectangular bearing fixedly mounted in said other opposed opening and extending through said tubular shaft, a spool case carried by said tubular shaft and rotatable therewith, a spool rotatable on said non-rotatable shaft, ratchet means operatively associated with said spool, tensioning means on said spool for holding said spool against rotation, a spring pressed looped wire line engaging member pivotally carried by said spool case, locking means carried by said case and said line engaging member for locking said member in one position and means disengaging said locking means upon rotation of said crank whereby said member is moved to the original line engaging position.

2,498,988
THERMOSTATIC CONTROL MECHANISM
William C. Eden, East Cleveland, and Carlton W. Bondurant, Euclid, Ohio
Application August 2, 1946, Serial No. 688,152
3 Claims. (Cl. 200—137)



1. In thermostatically operated control mechanism, an electric switch, an operating lever therefor, a common pivotal mounting for said switch and lever, an abutment to prevent movement of said switch toward said operating lever, and yieldable means acting upon said switch exclusively for holding it against said abutment, whereby movement of said operating lever toward said switch and beyond the point of switch operation will swing said switch about said pivotal mounting against the action of said yieldable means.

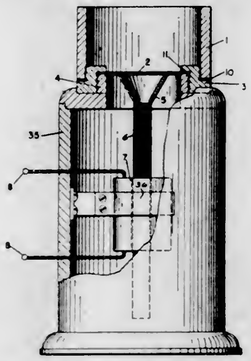
2,498,989
PILE STOP MECHANISM
Gustave G. Erland and Axel B. Pearson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application June 7, 1948, Serial No. 31,496
7 Claims. (Cl. 271—86)



1. A stop device comprising a housing, rollers on said housing for supporting the housing on a

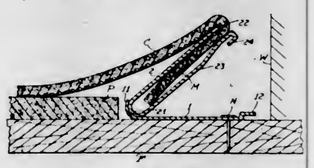
track, locking means extending from said housing and being adapted to engage the track for fixing the position of the housing, a stop bar movably carried in said housing, a toggle pivoted in said housing and operatively connected with said locking means and said stop bar, and pneumatic means in said housing for pivotally moving said toggle, movement of said toggle projecting or retracting said stop bar and simultaneously engaging or releasing said locking means.

2,498,990
APPARATUS FOR DRIVING FLEXIBLE MEMBERS
Robert A. Frykland, Somerville, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application February 27, 1947, Serial No. 731,181
10 Claims. (Cl. 259—72)



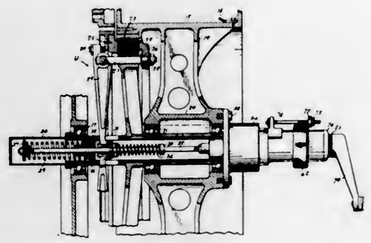
1. A vibrator comprising a casing, a diaphragm, means clamping the diaphragm at its periphery in said casing, a magnetostrictive driving rod, means attaching one end of the rod to the diaphragm on an annulus concentric with the clamped periphery, the rest of the rod hanging freely from the attached end, and coil means surrounding the rod, the rod and diaphragm both having natural frequencies of resonance.

2,498,991
CARPET FASTENER
John F. Gibson, Seattle, Wash.
Application September 24, 1946, Serial No. 699,037
8 Claims. (Cl. 16—5)



1. Means to fasten and stretch a panel of carpet or the like, comprising a lower strip securable to the floor or similar support along and beneath the intended location of the carpet's edges, a separate upper strip disposable with its outer edge snugly at the bend between the carpet and an under and inwardly turned marginal fold thereof, means hingedly interengageable between the respective inner edges of the upper and lower strips to limit inward movement of the upper strip and for downward and outward swinging of the upper strip while so interengaged, into horizontal position, and an outward extension of the upper strip, downwardly and inwardly hooked at its outer edge, disposed beneath such marginal fold in position to engage such hooked edge beneath the outer edge of said lower strip by slight outward sliding movement relative to the lower strip when the upper strip is in its downwardly swung position, followed by slight inward sliding movement, and disengageable from said lower strip by the reverse movements.

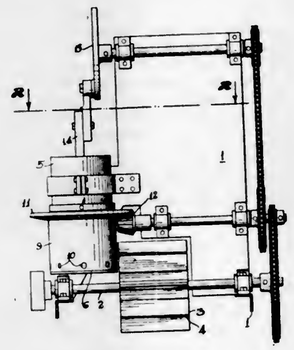
2,498,992
BRAKE RESETTING AND TIME DELAY MECHANISM
Clarence R. Gottschall, Wilmington, Del., assignor to All American Airways, Inc., a corporation of Delaware
Application September 13, 1945, Serial No. 615,932
11 Claims. (Cl. 254—173)



1. In a cable control unit a drum, a cable on the drum, a tubular shaft on which said drum is journalled, including a spring actuated brake applying rod enclosed within said tubular shaft, time delay mechanism comprising a latch operative mounted within said tubular shaft, a detent on said rod adapted for engagement by said latch, an assembly consisting of a collapsible nut, a carrier therefor, and a reset nut follower slidably mounted in said shaft, an internally threaded sleeve carried by said drum with the threads thereof engaging said collapsible nut, said reset nut follower being operable to engage or disengage the threads on said collapsible nut with respect to the internal threads on said sleeve, the inner ends of said nut being adapted to engage said latch to release the same, and means for moving said rod outwardly to engage said latch with said detent and set the mechanism with respect to said reset nut.

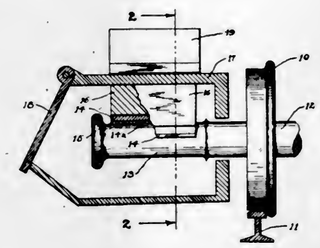
2,498,993
FISH CLEANING APPARATUS
Max K. Kuther, Monterey, Calif.
Application April 2, 1949, Serial No. 85,205
2 Claims. (Cl. 17—3)

1. In fish cleaning apparatus, a stationary cylinder having its bottom end closed and its upper end open, the said cylinder having spaced inlet and outlet channels in its side walls communicating with its interior, a rotatable sleeve-like valve mounted on the cylinder and having a plurality of circularly arranged spaced openings arranged for alternate registration with the inlet and outlet channels of the cylinder, a reciprocating piston fitting in the cylinder and arranged for movement in one direction on a suction stroke and in the opposite direction on a discharge stroke, a conveyor for successively bringing fish having their heads severed into engagement with valve, the conveyor, the valve and the piston being synchronized so that fish are successively con-



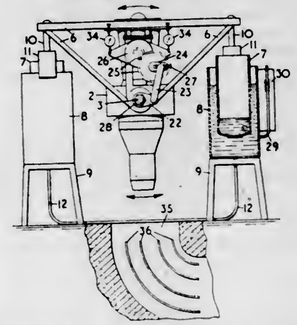
veyed into a position with their cut ends positioned opposite an opening in the valve when the piston is making its suction stroke and at a time when the said opening in the valve is registering with the inlet channel and the outlet channel is closed.

2,498,994
RAILROAD JOURNAL BEARING
James J. Laudig, Scranton, Pa.
Application October 16, 1944, Serial No. 558,938
11 Claims. (Cl. 308—56)



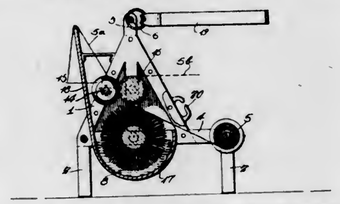
1. A bearing for a steel journal of a wheel axle of a railroad car which comprises a copper-free bearing-metal lining having a surface shaped to conform with the circumference of the journal and to ride in contact therewith, a backing for said lining in the form of a high strength cast iron shell to carry the overlying weight of the railroad car and transmit it to the axle, said lining being made of metal suitable as a bearing for steel and said shell being free from copper so that in its use on steel railroad car journals broken journals due to copper penetration are avoided, said bearing having a strength to carry the weight of a loaded railroad car and to withstand impacts to which journal bearings are normally subjected in service in railroad rolling stock.

2,498,995
APPARATUS FOR TESTING ENGINES
Edgar Manning, Farham, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company
Application March 14, 1945, Serial No. 582,775
In Great Britain March 16, 1944
11 Claims. (Cl. 73—116)



1. Apparatus for testing engines, comprising in combination engine supporting structural means, means for freely supporting said structural means by flotation, means for rotationally mounting the engine about a transverse axis in said structural means, means for turning the engine mounting means into different positions about the said axis, and means for oscillating the engine mounting means about said axis.

2,498,996
WALLPAPER PASTING MACHINE AND TRIMMER
Charles E. McClure, Hamilton, Ohio
Application October 9, 1946, Serial No. 702,289
2 Claims. (Cl. 91—14)



1. In a wallpaper pasting and trimming machine, a frame, a first horizontally-disposed rotatable shaft operatively connected to said frame for the support thereon of a roll of wallpaper, a trough arranged adjacent one side of said frame and dependingly carried by the latter, said trough adapted to contain paste therein, a second horizontally-disposed rotatable shaft spaced from said first shaft and carried by said frame, said second shaft being disposed over said trough, a brush secured to said second shaft and rotatable in said trough, a third rotatable shaft spaced above said brush and carried by said frame, a pressure roller secured to said third shaft and coacting with said brush to receive the wallpaper therebetween, a fourth rotatable shaft spaced from said third shaft and supported on said frame, a pair of spaced, parallel cutters arranged transversely on said fourth shaft and secured to the latter, the peripheral edges of said cutters being arranged in engagement with the outer

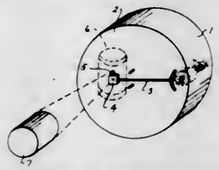
periphery of said pressure roller, a plate extension projecting upwardly from one side of said trough and secured thereto, the upper end of said plate extension being arranged above the uppermost of said shafts, said wallpaper being trained between said third shaft and brush and over said cutters and plate extension, gear means operatively connecting said second, third and fourth shafts together, and manually-operable means connected to one end of said third shaft for rotating said shafts to thereby successively cause said brush to apply paste to a surface of the wallpaper and trim said paper to a predetermined size.

2,498,997

PHOTOELECTRIC INCLINOMETER AND ACCELEROMETER

William B. McLean and Irvin H. Swift, Inyokern, Calif., assignors to the United States of America as represented by the Secretary of the Air Force

Application October 27, 1948, Serial No. 57,544
5 Claims. (Cl. 250—231)



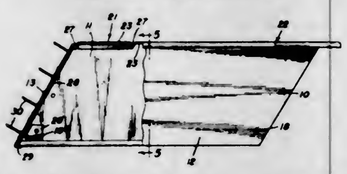
1. Apparatus of the class described comprising a direct current ammeter movement having a meter hand attached thereto and movable by said movement, said hand having a relatively wide portion, a photoelectric cell and a source of light, means providing an aperture between said source of light and said cell, said aperture being so positioned that it is partially covered by said relatively wide portion, a vacuum tube having an anode, a cathode and a grid, means for applying the output voltage of said photoelectric cell between said grid and a point of reference potential, a load resistance for said tube, means connecting said meter movement and said load resistance in series between the cathode of said tube and said point of reference potential, means for applying operating potentials to said photoelectric cell and to the anode of said tube, and means for taking an output voltage from across said series connected meter movement and load resistance.

2,498,998

KNOCKDOWN DISPLAY STAND

Kenneth D. Mowrer and Charles N. Jackson, Wichita, Kans.

Application October 6, 1947, Serial No. 778,108
1 Claim. (Cl. 211—125)



A knockdown meat jack comprising a pair of elongated spaced parallel side walls each having an upwardly and rearwardly inclined front edge, an inturned flange extending along each front edge of each side wall, a rearwardly extending lip at the lower end of each flange, an outturned flange at the upper longitudinal edge of each side wall, a cover comprising forward and rear separable sections, said sections extending between the upper edges of the side walls, flanges along opposite side edges of the cover sections slidably engaging the out-turned flange at the upper edges of the side walls, a downwardly inclined flange at the forward edge of the forward cover section, a removable transversely extending brace joining the lower edges of the side walls in closely spaced relation to the inturned flanges, a removable panel slidably supported on the lips between the inturned flanges of the side walls, the downturned flange of the cover and the forward edge of the brace, said downwardly inclined flange of the forward cover section supporting the upper edge of the panel, and meat supporting spikes projecting perpendicularly from the display panel.

2,498,999

MANUFACTURE OF ISOBUTYLENE

William C. Offutt, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application May 26, 1947, Serial No. 750,641
2 Claims. (Cl. 260—683)

1. A process for depolymerizing a liquid polymer comprising essentially isobutylene dimer which comprises passing said polymer at a temperature of from 450° to 750° F. over a catalyst comprising a synthetic surface active silica-alumina having a cracking activity index of from 22 to 32, said cracking activity index being the volume per cent of 400° F. end-point gasoline obtained by cracking an East Texas gas oil at a temperature of 800° F., a liquid hourly space velocity of 1.5 and a ten minute cycle in the presence of 200 cc. of said catalyst, the East Texas gas oil having a gravity of 36.5 °API and an A. S. T. M. distillation as follows:

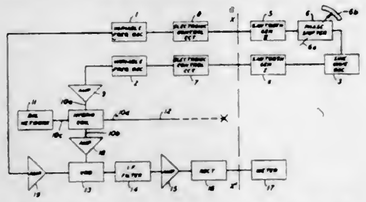
	°F.
Initial boiling point	430
10%	400
50%	531
90%	636
End point	692

2,499,000

FREQUENCY MODULATION SYSTEM FOR LOCATING IMPEDANCE IRREGULARITIES

Donald A. Quarles, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 16, 1946, Serial No. 703,517
7 Claims. (Cl. 175—183)



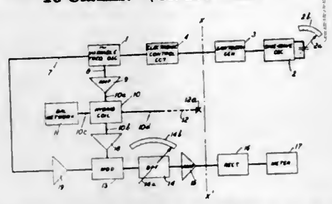
1. A system for locating and detecting the magnitude of impedance irregularities in transmission lines, comprising in combination a source of oscillations, a first and a second linear saw-tooth generator connected for synchronization by said source, means comprising a variable phase shifter connected to introduce a phase shift in the oscillations of one said saw-tooth generator with respect to the second said saw-tooth generator, a first and a second variable frequency carrier oscillator, a first and a second control means, said first control means connected to said first carrier frequency oscillator and said first saw-tooth generator, and said second control means connected to said second carrier frequency oscillator and said second saw-tooth generator, said first and second control means constructed to modulate the respective frequency outputs of said first and second carrier oscillators in accordance with the output voltages of said first and second saw-tooth generators, a beat frequency modulator, said first carrier frequency oscillator connected directly to said beat frequency modulator, a hybrid coil having input and output terminals in conjugate relation and a third terminal, the input terminal of said hybrid coil connected to said second carrier oscillator, the third terminal, of said hybrid coil connected to the transmission line under test, the output terminals of said hybrid coil being connected to said beat frequency modulator, whereby an unreflected saw-tooth frequency modulated wave is beaten with a reflected saw-tooth frequency modulated wave to produce a beat frequency wave, a filter connected to pass a selected beat frequency of said modulator, and a current indicating device connected to said filter, whereby the phase of said phase-shifter can be varied until a deflection occurs in said indicating device in response to current passing through said filter from said beat frequency modulator.

2,499,001

FREQUENCY MODULATION SYSTEM FOR LOCATING IMPEDANCE IRREGULARITIES

Estill I. Green, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 16, 1946, Serial No. 703,622
15 Claims. (Cl. 175—183)



1. A system for locating impedance irregularities in a transmission line which comprises in combination a generator of linear saw-tooth waves of a selected frequency, means for varying the frequency of said saw-tooth generator, a source of variable frequency carrier oscillations, control means connected to said carrier frequency source and said saw-tooth generator to modulate the frequency of said carrier oscillations in accordance with the output voltage of said saw-tooth generator, a modulating circuit with the input thereof connected to said source to receive an unreflected component of said saw-tooth modulated carrier oscillations, a transforming device having input and output terminals in conjugate relation and a third terminal electrically coupled to said input and output terminals and connectable to said transmission line, the input terminals of said transforming device connected to said source, the input of said modulating circuit connected to the output terminals of said transforming device to receive a component of said saw-tooth modulated carrier oscillations reflected from an irregularity in said line, whereby said reflected and unreflected components are beaten together to form a substantially constant beat frequency, a frequency selective device connected to receive a preselected beat frequency from said moduating circuit, and a current indicating device connected to said frequency selective device, whereby the frequency of said saw-tooth generator can be varied until a beat frequency produced in said modulating circuit corresponds to the preselected frequency of said frequency selective device thereby causing said indicating device to respond to current passing through said frequency selective device from said modulating circuit.

2,499,002

EMULSIFIER AND METHOD OF MAKING SAME

Thomas Robinson, New York, and Carlton H. Bascom, Richmond, N. Y., assignors to Lancaster Processes, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 23, 1946, Serial No. 685,778
12 Claims. (Cl. 252—358)

1. A method of making an emulsifying agent, which comprises preparing an alkaline dispersion of clay in water and adding said dispersion to a boiling solution of an aluminum salt in the presence of sufficient alkaline material to precipitate the aluminum as a hydrated gelatinous precipitate.

2,499,003

METHOD OF PREPARING 1-CHLORO-2-CARBOXYANTHRAQUINONE

Mario Scalera, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 2, 1946, Serial No. 707,537
3 Claims. (Cl. 260—376)

1. A process for the preparation of 1-chloro-2-carboxyanthraquinone which comprises reacting 1-nitro-2-carboxyanthraquinone with an alkali metal sulfite at elevated temperatures in aqueous solution to form 1-sulfo-2-carboxyanthraquinone, acidifying and reacting the acidified mixture at elevated temperatures with the mixture of a water-soluble chloride and a water-soluble chlorate.

2,499,004

INKS AND VEHICLES THEREFOR

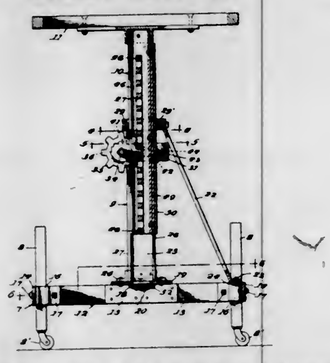
Harvey A. Sell, Rutherford, N. J., and Herbert Cole, New York, N. Y.; said Sell assignor to said Cole

No Drawing. Application July 30, 1946, Serial No. 687,234. In Canada January 2, 1942
7 Claims. (Cl. 260—33.6)

1. A vehicle for a printing ink, consisting of substantially two parts by weight of partially polymerized resin dissolved in about one part by weight of aliphatic hydrocarbon solvent that is substantially non-volatile at room temperature, said partially polymerized resin being made by reacting a mixture consisting of 2.75 moles of phthalic acid anhydride, 1 to 1.5 moles of vegetable oil fatty acid, and polyhydric alcohol of hydroxyl value substantially equal to that of 3.5 moles of glycerol, and in which the alcoholic hydroxy groups are the sole reactive groups, said

resin being partially polymerized by slow heating of the said ingredients with agitation, taking approximately one hour to reach 230° C. and then continuing to heat the same approximately at that temperature for three hours and fifteen minutes more.

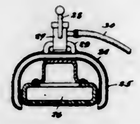
2,499,005
CEILING BOARD JACK
Ira Sellers, Walla Walla, Wash.
Application August 28, 1947, Serial No. 771,060
4 Claims. (Cl. 304—29)



1. A ceiling board jack comprising a substantially flat and rectangular base, vertically adjustable legs at the corners of said base, said legs extending through and having their ends extending both above and below said base, means for securing said legs in adjusted positions, a centrally apertured supporting member carried by said base and disposed at its center, a lower tubular standard having a longitudinal slot and being secured to and rising from said supporting member, the ends of said standard being open and its lower open end being aligned with said aperture, an upper tubular standard of greater length than said lower standard slidably telescoped in the open upper end of said lower standard and having its lower end movable downwardly through said aperture, said upper standard having a longitudinal slot to register with the slot in the lower standard, a ceiling board supporting frame carried by the upper end of said upper standard, and means carried by said lower standard for vertically adjusting said upper standard and securing it in an adjusted position, the last named means comprising a toothed gear rotatably mounted on said upper standard and having a portion projecting through said registering slots, a rack bar fixed within said upper standard and in mesh with said gear, means for rotating said gear and releasable means for holding said gear against rotation in one direction.

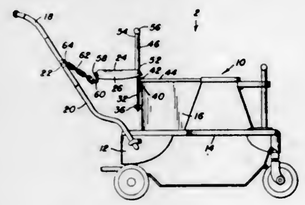
2,499,006
VENTILATING ATTACHMENT FOR STEAM GARMENT PRESSING MACHINES
John F. Seuff, Atlantic City, N. J.
Application July 25, 1947, Serial No. 763,470
1 Claim. (Cl. 38—16)

The combination with the steam presser head of a steam garment presser having a steam pipe through which steam passes to the presser head, and a suction pipe through which steam and air are drawn through the presser head, of a surplus steam removing device comprising a suction pipe secured around the marginal edge of the presser head, said pipe having a plurality of facing openings extending throughout the length thereof, the openings facing inwardly towards the bottom of the presser head, vacuum pipes connected with the suction pipe and being extended over the top of the presser head, a valve chamber common to



the steam pipe and vacuum pipes, a valve stem operating in the valve chamber, valves on the valve stem simultaneously controlling the passage of steam to the pressing head, and the suction through the suction pipe and vacuum pipes, whereby steam escaping around the edge of the presser head will be drawn into the suction pipe and vacuum pipes exhausting said escaping steam at a point remote from the presser head.

2,499,007
SEAT ATTACHMENT FOR BABY STROLLERS
Rudolph J. Stadelman, Minneapolis, Minn.
Application January 22, 1948, Serial No. 3,755
4 Claims. (Cl. 155—10)



1. In a baby stroller including a wheeled frame, a back rest and a handle extending upwardly and rearwardly from the frame, an auxiliary seat, means for attaching said seat to the back rest, hand gripping means carried by said seat, and means for supporting said seat relative to the handle.

2,499,008
WAX EXTRACTION
Oscar J. Swenson, Ithaca, N. Y., assignor to The Cuban-American Sugar Company, New York, N. Y., a corporation of New Jersey, and S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
No Drawing. Application May 29, 1947, Serial No. 751,443
8 Claims. (Cl. 260—412.5)

1. A fluid-fluid method for recovering wax from solid cachaza containing from 2% to 10% of a filter aid which comprises adjusting the water content of said solid cachaza to more than 85%, said adjustment being in sufficient amount to change said cachaza from a solid to a fluid state, treating said fluid cachaza with a water-immiscible organic solvent for said wax, and separating wax-laden solvent and treated cachaza, and recovering wax from said separated solvent.

2,499,009
CHLOROSILANES
George H. Wagner, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
No Drawing. Application February 15, 1947, Serial No. 728,943
6 Claims. (Cl. 23—14)

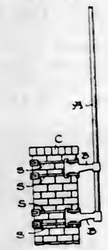
1. A process for the production of chlorosilanes comprising the steps of heating a copper halide with silicon so as to reduce the halide and form a silicon-copper mixture, reacting said mixture with hydrogen chloride, and recovering a chlorosilane.

2,499,010
METHOD FOR PREPARING ALKALI CELLULOSE
Johannes G. Weeldenburg, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application November 26, 1946, Serial No. 712,407
In Germany July 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 9, 1962
1 Claim. (Cl. 260—333)



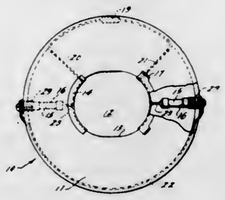
A method for the preparation of alkali cellulose in a continuous operation which comprises passing a web of raw cellulose through a plurality of treating zones and, during its passage therethrough, successively spraying the web first with a lye solution selected from the class consisting of lye solutions having a concentration of 20 to 25% and lye solutions having a concentration of 5 to 7%, and then with a lye solution having a mercerizing concentration whereby the cellulose is converted into alkali cellulose, and the web is substantially purified and mercerized, subjecting the web to the action of a vacuum in the said treating zones to simultaneously draw the liquids through the web from one side thereof to the other and recover the excess lye, and subsequently pressing the web to the desired weight.

2,499,011
ANTENNA MAST SUPPORTING BRACKET
Robert W. Weeks, West Chester, Pa.
Application February 21, 1947, Serial No. 729,912
7 Claims. (Cl. 248—43)



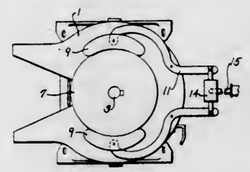
3. Flexible fastening means for securing a bracket to a supporting body comprising an apertured buckle, an encircling strap and an overlap strap respectively anchored to and extending from opposite sides of said buckle, the free end of said encircling strap being slidably disposed through the aperture in said buckle beneath said overlap strap, and a tightening reel extending across said aperture and secured to said free end, said reel being rotatable to wind said encircling strap therearound, portions of said respective straps being disposed in relatively overlapping relation adjacent said reel, and a clamp receiving said overlapping portions and operable to lock same against relative movement.

2,499,012
TOW TARGET CARRIER
James P. Welsh, Buffalo, and John L. Jewett, Cheektowaga, N. Y., assignors to the United States of America as represented by the Secretary of the Air Force
Application April 13, 1948, Serial No. 20,634
9 Claims. (Cl. 244—1)



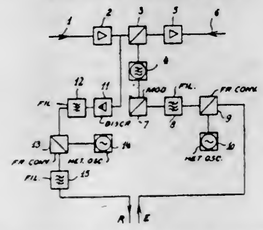
1. An explodable connector comprising a ring of tough plastic resinous material, conductive metallic shoes at opposite sides of the hole therein gripping the rim thereof, a pair of exploders having outer terminals, said exploders being embedded in the ring, each one extending substantially from one shoe to the outer rim of said ring, an embedded electrical circuit connecting the outer terminals of the said exploders and a second electric circuit of high resistance value connecting said shoes with each other.

2,499,013
FIFTH WHEEL COUPLING
Sumner E. Wood, West Springfield, Mass.
Application December 22, 1945, Serial No. 636,962
2 Claims. (Cl. 280—33.05)



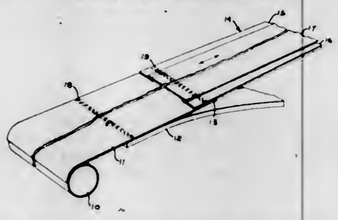
1. In combination, a fifth wheel coupling comprising two members, one member including a king pin and drum adapted to be rigidly secured to a trailer, the other member including a vertical bearing and a plate surrounding said bearing adapted to be connected to a tow car, said king pin of the trailer releasably engaging in said bearing of the tow car, and brake means carried by said plate of the tow car engageable with the drum of the trailer in any angular position of the members relative to each other to frictionally restrain articulate movement between the trailer and tow car.

2,499,014
FREQUENCY MODULATING SYSTEM
Roger Aubert, Paris, France, assignor to Societe Française Radio Electrique, a corporation of France
Application August 9, 1946, Serial No. 689,468
In France March 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 17, 1964
3 Claims. (Cl. 250—15)



1. The method of obtaining a frequency modulated wave, starting from an original frequency modulated wave and without first demodulating the original wave, wherein the obtained wave comprises an additional modulation band apart from the modulation band of the original wave, said method consisting in heterodyning the original modulated wave by a third wave modulated in frequency by the additional modulation band.

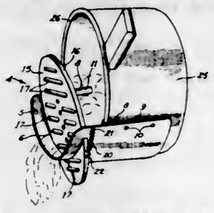
2,499,015
IRONER ROLL COVER
Ralph B. Baker, Atlanta, Ga., assignor to Southern Mills, Incorporated, Atlanta, Ga., a corporation of Georgia
Application November 25, 1947, Serial No. 788,061
5 Claims. (Cl. 38—65)



1. A cover for ironing rolls comprising a lead cloth, padding secured to the lead cloth, and a plurality of laterally overlapping strips forming an extension of the lead cloth to provide a cover cloth, the longitudinal axes of the strips inclining inwardy from the sides of the rolls towards the trailing edges of the strips.

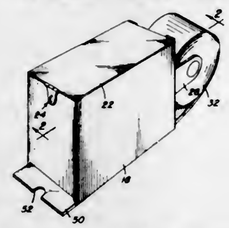
2,499,016
POT STRAINER
Robert M. Buckley, Pasadena, Calif.
Application May 6, 1946, Serial No. 667,532
6 Claims. (Cl. 210—163.5)

6. A device for straining liquid poured from the opening of a cylindrical vessel having a circular mouth, comprising: a flexible holder member adapted to be flexed into engagement with and to partially encircle the outer cylindrical surface of the vessel, said holder member being adapted to project axially beyond the mouth of the vessel and having resilient attaching means at its ends for detachably connecting said holder member to said vessel; and a disc strainer member carried by and adjustable transversely with respect to said holder member and extending



across the mouth of the vessel in axially spaced relation thereto so as to retain solids within said vessel, said strainer member having interstices through which liquid can flow from said vessel.

2,499,017
TICKET GLUER
Cleatus S. Callaway and Cordell C. Light, Frederick, Okla.
Application November 8, 1948, Serial No. 58,964
1 Claim. (Cl. 91—14.5)



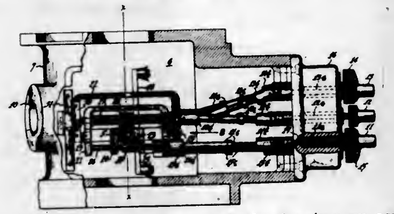
A ticket gluing apparatus comprising a glue retaining housing having an openable top member, end walls with slots therein adjacent the bottom and side walls, tracks disposed at the bottom corners of said housing formed at the junction of the bottom and side walls to guide tickets therethrough, and means for supporting a roll of tickets on one end of said housing whereby tickets may be passed through said slots and guided by said tracks to expose one side of the tickets to glue, said bottom having an extension, the outer edge of said extension forming a base for tearing tickets after glue is applied thereto, and a finger recess in said extension.

2,499,018
BAFFLE TYPE MUFFLER WITH PLURAL TUBULAR PASSAGES
Frank Christiano and Nicholas Christiano, Hartford, Conn.
Application January 26, 1948, Serial No. 4,358
3 Claims. (Cl. 181—50)



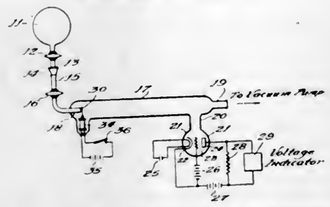
1. A muffler of the character described comprising a casing, an end plate having an opening therein and a tubular portion, a perforate sheet of material contained within said casing and positioned against said end plate across said opening, a plurality of tubular members within and adjacent the opposite end of said casing and extending longitudinally thereof, a perforate sheet of material within said casing and against the ends of said tubular members, and a fibrous mass filling said casing between said perforate sheets.

2,499,019
ADJUSTABLE SPECIMEN SUPPORT FOR ELECTRON-OPTICAL INSTRUMENTS
Edmund G. Dornfeld, Barrington, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1949, Serial No. 73,536
7 Claims. (Cl. 250—49.5)



1. In an electron-optical device having an axis along which electrons travel, a shaft having an axis of rotation and comprising a support for a specimen-holder mounted for movement within said device adjacent to said electron axis, means for moving said shaft in a direction parallel to said electron axis, and means for rotating said shaft irrespective of the position to which it has been moved parallel to said axis.

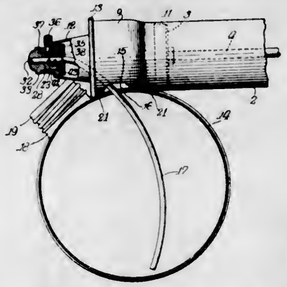
2,499,020
GAS ANALYSIS
Robert E. Fearon, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application March 31, 1944, Serial No. 529,004
8 Claims. (Cl. 73—23)



1. The method of analyzing a mixture of substances in the gaseous state for at least one of its components including the steps of introducing a portion of said mixture into an evacuated zone during a short, predetermined interval of time, and without ionizing any of said mixture determining at a substantial distance from the region of entry of said portion into said zone the resultant variation in pressure in said zone, as a function of time.

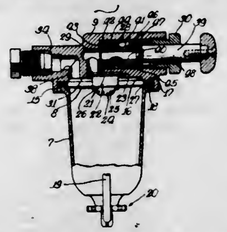
2,499,021
SPRAY NOZZLE
Lynn Fletcher, Lowell, Mich., assignor to Lowell Specialty Company, Lowell, Mich., a corporation of Michigan
Application February 6, 1947, Serial No. 726,775
4 Claims. (Cl. 299—89)

1. In a sprayer for insecticides and the like having a liquid reservoir and means for subjecting liquid in said reservoir to air under pressure and for supplying air under pressure to a nozzle, a spray nozzle comprising, a relatively fixed nozzle head holder having a smooth cylindrical bore, a nozzle head member rotatably and slidably disposed in the bore of said holder and having a bore and a spray outlet orifice from the bore, a liquid supply tube secured relative to said holder and having its delivery end disposed in said head member bore and slidably fitting therein for movements of the head member longitudinally of the axis of the tube, said tube delivery end having an aperture through the wall thereof for the admission of air into said tube, a spring abutment on said tube, spring means abutting said



abutment and said head member and normally tending to move said head member longitudinally of the tube axis, said holder having an arcuate slot extending through one side thereof transversely of its bore, said slot having components of direction both longitudinally and circumferentially of said bore of said holder, and a manually engageable pin secured to said head member and extending through said slot for moving said head member in said holder bore against the action of said spring from one end of said slot to the other, said aperture in said tube being so located that it is disposed within said head member bore when the said pin is at one end of said slot and without said head member bore when said pin is at the end of said slot.

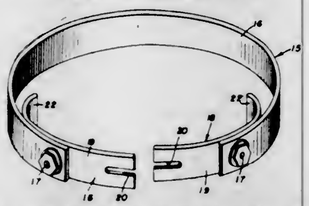
2,499,022
VALVE MEANS
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1945, Serial No. 631,617
10 Claims. (Cl. 251—95)



1. Valve means comprising a casing having a bore opening at one end through the casing, a first passage opening to the bore radially through the side thereof and a second passage opening to the bore axially through the closed end thereof, a valve element having a tight but rotatable fit

within the bore comprising a valve stem of a diameter smaller than the bore having at its inner end an axial bore opening through the inner end of said stem, a radial port communicating with the bore in said stem and a radially outwardly extending flange, an annular sleeve of resilient, deformable composition material having a radial port therein nonrotatably mounted on said stem with the port in said sleeve in registry with the port in said stem, both ports being positioned for registry with the passage opening radially to the bore when said valve element is in proper angular position, an annular packing gland rotatably and slidably mounted on said valve stem at the end of said annular sleeve opposite the flange on said stem, and a nut threaded into the open end of said bore and bearing at its inner end against said packing gland.

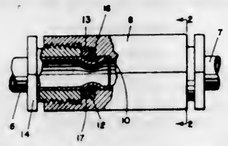
2,499,023
PICKER STICK CHECK
Charles Galland, Fall River, Mass.
Application April 24, 1947, Serial No. 743,500
1 Claim. (Cl. 139—165)



In a loom including a lay and an oscillatory picker stick in said lay, a picker stick check structure comprising a bracket secured to the lay intermediate the ends of travel of said picker stick and having a depending portion provided with an aperture, a pair of check strap guards consisting of elongated plates having overlapped end portions disposed at one side of said bracket and provided with registering open ended slots parallel to the lay, a fastening element positioned in said aperture and extending through said slots whereby said plates are individually adjustably secured to said bracket, and a check strap having opposite ends thereof secured to intermediate portions of the respective plates and loosely embracing said picker stick, said plates extending in opposite directions from said bracket and having inwardly arcuated substantially J-shaped outer end portions terminating in substantially opposed extremities and affording substantially semi-circular abutments for the respective end portions of said strap when the picker stick swings from one side to the other.

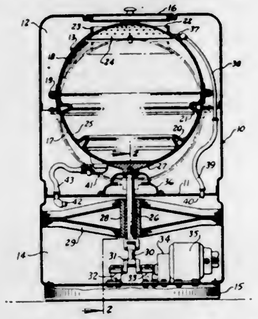
2,499,024
TUBE FITTING
Charles E. Hollyday, Jr., Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application October 13, 1944, Serial No. 558,564
1 Claim. (Cl. 285—163)

A coupling to secure a tube comprising, in combination, a fitting body having an axial bore adapted to receive a tube, said fitting body being formed at one end with a cylindrical socket having a flat seat normal to the bore, larger than but co-axial with said bore, a sealing ring of constant volume deformable material adapted to be positioned inside said socket, a non-deformable washer having a maximum diameter corresponding to the maximum diameter of the ring and adapted to fit against said sealing ring within said socket, and means to apply a fixed predeter-



mined amount of axial pressure to said washer and ring to force the material of the ring and tube inwardly to lock and seal the tube with respect to the fitting.

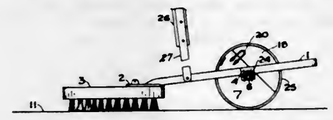
2,499,025
LAUNDRY MACHINE HAVING VERTICALLY RECIPROCABLE TUB
John F. Horvath, Milwaukee, Wis., assignor to Appliance Corporation of America, Milwaukee, Wis., a corporation of Wisconsin
Application April 8, 1946, Serial No. 660,483
10 Claims. (Cl. 68—21)



1. A washing and extracting laundry machine having in combination a casing provided with an upper tub compartment, a lower operating-mechanism compartment and a leakproof partition therebetween having an opening therethrough, a hollow tub having upper and lower portions, said lower portion having a pair of vertically spaced ribs each extending horizontally around the interior thereof, the lower one of said ribs extending upwardly and inwardly at a greater angle with relation to the horizontal than the upper rib and being located nearer the vertical axis of the tub than the upper one, a vertical stem fixed at its upper end to the tub and passing through the opening in the partition, and mechanism in the lower compartment for vertically reciprocating said stem and tub.

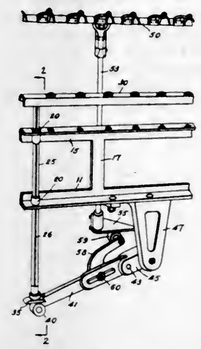
2,499,026
MACHINE FOR APPLYING POLISH TO FLOORS AND LIKE SURFACES
Edward Alexander Martindale Johnson, Cape Town, Union of South Africa
Application March 18, 1947, Serial No. 735,333
In Union of South Africa April 15, 1946
12 Claims. (Cl. 91—25)

1. An improved polish applying machine, comprising a horizontally disposed cylindrical drum capable of rolling engagement with a floor or like surface having a slit in the curved peripheral surface thereof, an ejecting roller located internally of the said drum and arranged to be held in constant rolling engagement with the lower portion of the internal curved surface of the drum by downwardly depending supporting means, a hinged closure member on said drum for introducing polish into said drum, a polish spreading brush, a frame for connecting the drum in rotatable fashion and in spaced relationship to



the said brush, and a handle member pivotally mounted on said frame, whereby when pressure and motion are transferred to the drum and brush through the handle, the drum is caused to roll along the floor surface while the polish, ejected out of the slit when moving past the downwardly directed ejector roller, is deposited on the floor and is evenly spread thereover by the said brush.

2,499,027
LIFTING ROD
John G. Kershaw, Westmount, Quebec, Canada
Application June 27, 1946, Serial No. 679,709
In Canada May 7, 1946
1 Claim. (Cl. 57—137)

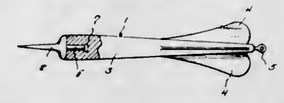


A textile spinning or twisting frame, comprising, a fixed spindle rail, a substantially vertical bearing sleeve supported by said rail, a movable ring rail, a substantially vertical lifting rod disposed to reciprocate slidably within said sleeve and connected to said movable rail, said bearing sleeve having an inner annular wall and being of a normally circular cross section, the periphery of the rod including a plurality of flattened portions each constituting a minor chord of the circumference of the rod and extending parallel to the axis thereto, the said flattened portions being substantially equal in width and being spaced apart substantially equally about the surface of the rod, the unflattened portion of the rod being adapted to bear against the wall of the bearing sleeve, the flattened and unflattened portions being continuous and undivided in the axial direction and being of uniform dimensions and free of projections throughout their length thereby to provide smooth unbroken surfaces, each of said flattened portions being adapted to form with the adjacent walls of the bearing sleeve a direct unobstructed vertical escape passage for lint.

2,499,028
RUBBER MOLD AND CUTTING LUBRICANT
Walter G. Kunze, Catonsville, Md.
No Drawing. Application April 9, 1946, Serial No. 660,861
8 Claims. (Cl. 18—47)

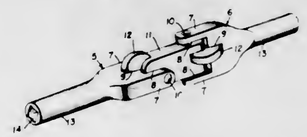
5. A composition for coating molding forms for plastic mixtures ingredientially comprising a surface active wetting agent of the alcohol sulfates group, and an interceptor of the ethylene oxide polymer group combined therewith to produce a body for the mixture and adapted to cover and fill the surfaces and interstices of said forms and intervene between the molding mixture to be poured in and said surfaces, an alkaline buffer salt for controlling the corrosive condition of the mixture, an indicator dye for disclosing the concentration of hydrogen ion in the mixture, water for dissolving the ingredients of the mixture aforementioned, said ingredients being proportioned in weight to provide approximately nine parts for the wetting agent, one hundred parts for the ethylene oxide polymer, one tenth of a part for said buffer salt, a trace for the indicator, and water four hundred parts.

2,499,029
CASTING DART
Robert M. McElroy, East Gadsden, Ala.
Application August 3, 1945, Serial No. 608,625
1 Claim. (Cl. 273—106.5)



A casting dart adapted to be secured to a casting line comprising an elongated streamlined body, a sharpened, heavy metal tip secured to the forward end of said body, the rear of said tip completely covering said forward end and defining the contour thereof, a line engaging screw eye secured to the rear end of said body, said body being integrally formed with longitudinally extending vane members adjacent its rear end.

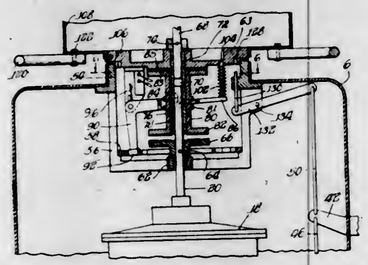
2,499,030
UNIVERSAL JOINT
Max E. Moon, Prosser, Wash.
Application January 6, 1947, Serial No. 720,420
1 Claim. (Cl. 64—17)



A universal joint comprising a pair of end members, each having a pair of longitudinally extending ears forming a cross slot with its opposite walls in parallel planes and each formed with an open ended arcuate cross groove midway between said walls and communicating with the outer ends of said cross slot, the opposite walls of said cross groove being in parallel planes parallel with the walls of the cross slot, a pivot pin in each end member extending through the cross slot thereof, the ears of one end member being disposed at right angles to those of the other end member, and an intermediate connecting block having its opposite ends pivoted on the

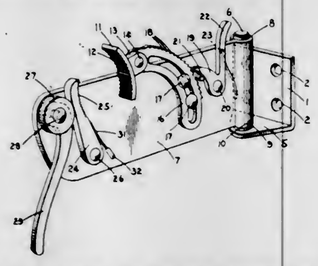
pivot pins in the cross slots of the end members and provided on its opposite ends with central crescent-shaped longitudinal guide extensions fitted and movable in the cross grooves of said end members to relieve the pivot pins of bending strains in all angular positions of the end members relative to the connecting block, the cross groove of each end member being concentric with the pivot pin thereof, the opposite ends of said guide extensions projecting beyond opposite sides of the connecting block.

2,499,031
LIQUID FUEL DISPENSER HAVING A ROTATABLY POSITIONABLE REGISTER
James Ballard Moore, Chicago, Ill.
Application May 10, 1944, Serial No. 534,873
17 Claims. (Cl. 222—23)



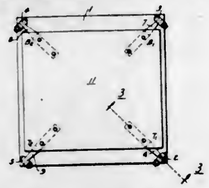
17. In combination, a fixed support, a casing swivelly mounted relatively thereto, register means including an indicator and a driven shaft therefor carried by the casing, a drive shaft rotatably journalled in the fixed support and arranged to drive said driven shaft, and means including a selectively engageable and disengageable clutch shiftable upon a selected swivel movement of the casing for holding said driven shaft for movement with said casing for preventing inadvertent operation of said driven shaft during said swivel casing movement.

2,499,032
WALL SUPPORTED CONTAINER LID CLAMP
Frank J. Niblett, Tracy, Calif.
Application April 10, 1948, Serial No. 20,185
2 Claims. (Cl. 81—3.3)



1. A container lid holding device comprising a mounting plate, a jaw supporting bar, means mounting the bar on the plate for arcuate sliding movement, ratchet teeth on one edge of the bar, a rachet dog pivotally mounted on the plate, means yieldably holding the dog in engagement with the ratchet teeth, a concave jaw pivotally mounted on one end of the bar, a second jaw mounted on the plate for movement toward and away from the first jaw, and means mounted on the plate and operable to move the second jaw.

2,499,033
IMPACT DYNAMOMETER
John M. Oberholtzer, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application May 26, 1947, Serial No. 750,426
10 Claims. (Cl. 73—141)



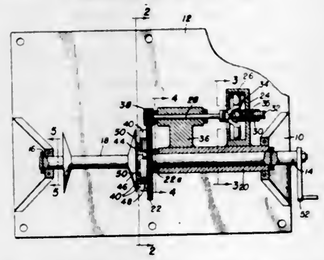
1. An impact measuring device comprising a platform for directly receiving impact loads, beam means rigidly attached to the corners of said platform for supporting the same, electrical strain gauge means bonded to said beam means to measure strain therein resulting from said impact loads, and means for indicating the measured strain.

2,499,034
DEICER HEAT DISTRIBUTING MEANS
Richard B. Park, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 3, 1945, Serial No. 626,502
2 Claims. (Cl. 244—134)



1. In combination with a propeller blade, a heat conducting metal strip covering at least a portion of the leading edge of said propeller and extending rearwardly toward the blade trailing edge, a concentrated heat source located at and extending along the blade leading edge between said strip and said blade for supplying heat to a concentrated zone at the leading edge of said strip, said heat conducting metal strip distributing, by conduction rearwardly chordwise of said blade, heat supplied by said concentrated source to the leading edge of said strip so that the temperature is highest at the leading edge and gradually reduces chordwise of said blade, a layer of adhesive on the blade side of said metal strip and heat source, said adhesive securing said heat conducting metal strip to the leading edge portion of said blade and insulating said blade from heat radiated from said source.

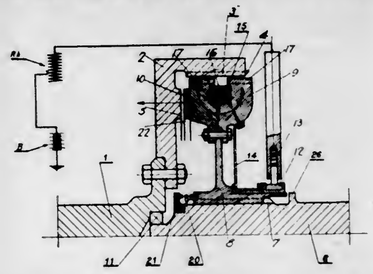
2,499,035
EMERGENCY EXIT
Logan P. Perkins, Sulphur, La.
Application May 28, 1947, Serial No. 750,969
1 Claim. (Cl. 254—159)



An emergency exit comprising a base plate, a pair of supports arising from said base plate, a stationary sleeve secured at one of its ends to one of said supports, a main shaft journalled for rotation on said supports and having a portion journalled for rotation in said sleeve, a governor mechanism carried by said sleeve and including an operating shaft, a gear journalled for rotation on said main shaft, a pinion on said operating shaft engaging said gear, a cable drum mounted on said main shaft for rotation therewith and including an end wall spaced from and in registry with said gear, a circular disk fixed to said gear and opposing the end wall of said drum, said disk having a plurality of circumferentially spaced recesses, a plurality of circumferentially spaced pawls pivoted to said gear and having corners received in said recesses, resilient means supported on said gear and yieldingly urging the corners of said pawls into said recesses, and a plurality of circumferentially spaced lugs on the end wall of said drum, said pawls having straight end edges for engaging the lugs to lock the drum to the gear for rotation of the gear and the drum as a unit during unwinding on the drum, said pawls having curved inner edges for engaging the lugs to permit the lugs to ride past the pawls during rewinding of the drum.

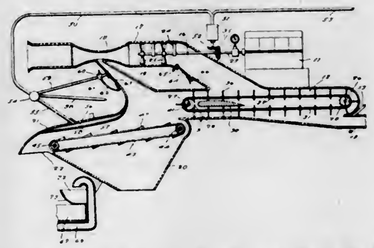
2,499,036
ELECTROMAGNETIC CLUTCH
Henry Plantet, Paris, France, assignor to Societe E. P. I. C. (Electricite, Produits Industriels et Chimiques), Neuilly-sur-Seine, France, a French corporation
Application June 27, 1946, Serial No. 679,641
In France August 31, 1944
Section 1, Public Law 690, August 8, 1946
10 Claims. (Cl. 172—284)
Patent expires August 31, 1964

1. In an electromagnetic clutch wherein an air gap is maintained between the main driving and driven elements the combination of a ring-shaped armature having notches therein forming teeth, a coaxial ring-shaped electromagnet cooperating with said armature and movable with respect to it, said electromagnet comprising two half pole plates and a coil housed in said pole plates, said pole plates having teeth thereon corresponding to said first-mentioned teeth and being located opposite thereto, first frictional contact means on said armature and second frictional contact means on said electromagnet adapted to frictionally engage said first means, said second means being concentric with and in front of said first means and said second means being directly and automatically operated by said electromagnet, both of said first and second means being adapted



to dampen vibrations and avoid permanent sliding.

2,499,037
VACUUM PICKER AND HARVESTER
Duane Roles, Roseburg, Oreg.
Application April 13, 1945, Serial No. 588,126
6 Claims. (Cl. 209—136)

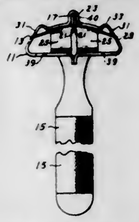


1. In a separator for fruits, nuts and the like, comprising a continuous mesh web forming an endless conveyor with a series of transverse cleats mounted thereon and extending from both surfaces thereof, an elongated surrounding housing enclosing the conveyor with the cleats in wiping contact with the walls of the housing, suction means for the separator, and a suction conduit communicating with the upper portion of the housing and with the suction means, the improvements which include a centrally-disposed sealing plate within the conveyor in contact with the inner ends of the cleats to form with the conveyor and the housing a continuous sealed area within the housing at a point spaced from the rear end of said conveyor, a second suction conduit communicating at one end thereof with another portion of the housing at the rear end of said conveyor and communicating at the other end thereof with the suction means in order to draw trash and the like from said conveyor, movable means for receiving the products of said conveyor when separated from the trash and moving said products to a predetermined delivery point, and means for operating the suction means, conveyor and movable means.

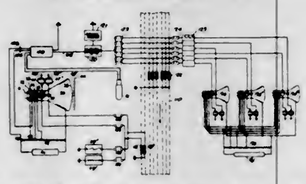
2,499,038
SAFETY RAZOR
Robert T. Sand, Detroit, Mich.
Application August 29, 1945, Serial No. 613,267
4 Claims. (Cl. 30—74.1)

1. A safety razor having in combination, a hollow razor head of a suitable size for receiving a conventional double edged razor blade therein

and adjacent to one side thereof, the other side of said head being adapted for attachment to a handle, a guide groove opening inwardly and extending from the hollow of said head to the side away from the handle supported side, a blade loader and holder having a pilot flange projecting from one side for receiving a centrally slotted double edged razor blade thereon, said pilot flange being slidably insertable into the guide groove in said head, and said head having openings suitably disposed on opposite sides of said guide groove for exposing the edges of an inserted double edged razor blade.

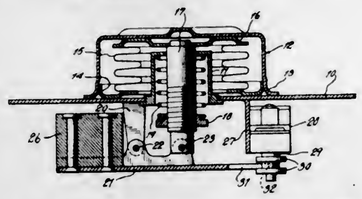


2,499,039
SENSITOMETRIC DEVICE FOR COLOR PHOTOGRAPHY USING SCANNING, RECORDING, AND COMPARING MEANS
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application January 3, 1949, Serial No. 68,784
5 Claims. (Cl. 88—14)



1. A device for plotting the density to light of three primary colors, respectively, of elements of a colored photographic reproduction as a function of the density to light of the same colors of corresponding elements of an original colored object comprising: means to scan said object and said reproduction consecutively by moving pencils of light of three primary colors; means including a photo-electric cell and a supply circuit to measure the intensity of said light as modified by the respective densities of said object and said reproduction; means to convert the current passing said photoelectric cell at any given instance to a current proportional to the density of the element illuminated by said scanning pencil of light at the same instance; means to record said last-named currents whereby eventually six records are obtained indicative, respectively, of the densities to light of three primary colors of corresponding elements of object and reproduction; means to establish and maintain coordination between said six records, sets of six coordinated points of the respective records having a definite and fixed spatial relationship with each other, whereby, during the subsequent play-back period, sets of coordinated points of all six records denoting densities to light of three primary colors of the same element of the object and of the corresponding element of the reproduction, respectively, are played back simultaneously; means to play back said six records simultaneously including six independent circuits, each carrying a current representing the densities to light of one primary color of object or reproductions, respectively, three cathode ray tubes, each equipped with horizontal and vertical beam deflecting means, and electrical connections between said play-back circuits and said beam deflecting means, whereby currents and/or voltages representing densities to light of the same primary color of corresponding elements of object and reproduction are impressed simultaneously upon the two beam deflecting means of the same cathode ray tube, and whereby the screen of each tube therefore displays a luminous figure representing the function of densities of elements of the reproduction versus densities of the corresponding elements of the objects to light of one of the primary colors.

2,499,040
PRESSURE RESPONSIVE SWITCH
Herbert D. Steinback, Wilmette, Ill., assignor, by mesne assignments, to Allied Control Company, Inc., a corporation of New York
Application October 20, 1945, Serial No. 623,518
6 Claims. (Cl. 200—83)

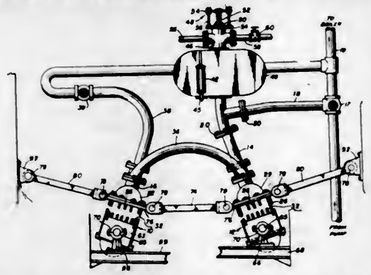


1. A pressure responsive device comprising a housing having an opening therein, a bellows having one end hermetically sealed around said opening to said housing and a movable end within said housing, means hermetically sealing the movable end of said bellows, said bellows and said means defining with said housing a pressure chamber, a stem affixed to said means and extending through said opening, means biasing said means and said stem toward the fixed end of said bellows, a lever pivotally affixed with respect to said housing, connections between said stem and one arm of said lever whereby said lever may be rotated in response to expansion and contraction of said bellows, and a counterbalance weight on said lever mass balancing the system of said lever about its pivot to eliminate effects of acceleration forces thereon.

2,499,041
FEED HEATER
Panaghis P. Vergottis, Norfolk, Va.
Application March 28, 1947, Serial No. 737,930
In Greece April 3, 1946
1 Claim. (Cl. 257—255)

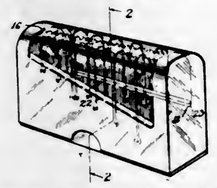
In a feed water heater for use with a boiler assembly which has a bypass system and a stack, banks of tubes, upper and lower headers secured to each bank of tubes, means comprising baffles in said headers for directing flow oppositely in adjacent groups of tubes in each of said banks of tubes, means forming a passage connecting said banks of tubes, an intake conduit extending from one of said headers and forming a part of the bypass system, an air pressure tank connected with said intake conduit and a pressure responsive exhaust valve connected operatively

with said tank, means for pivotally mounting said lower headers in the stack, and means for yieldingly supporting said banks of tubes com-



prising links secured to the upper parts of said banks for pivotal movement and pivotally secured to the walls of said stack to prevent overstress in the banks of tubes due to expansion and contraction caused by the temperature differences in the stack.

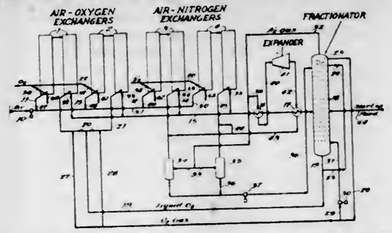
2,499,042
CONTAINER FOR FISHHOOKS
Louis W. Vogel, Chicago, Ill.
Application August 14, 1946, Serial No. 690,472
4 Claims. (Cl. 43—57.5)



3. A container for fishhooks and the like comprising: a hook support member having a transverse dimension greater than the bight of a fishhook and having a serrated diagonal slot formed therein adapted to receive the points and barbed portions of a plurality of fishhooks on both sides of said slot, said hook support having downwardly extending side walls and having end walls extending downwardly a greater distance than said side walls, upwardly extending side walls attached to the lower portion of said end walls, said upwardly extending side walls being outwardly spaced from said downwardly extending side walls, at least one of said upwardly extending side walls having a terminal edge portion extending diagonally upward, said upwardly and downwardly extending side walls forming a slot adapted to receive and engage frictionally therein a portion of the shank of each of a plurality of fishhooks, and a cover for said container, said cover being provided with an inwardly projecting shoulder adapted to press inwardly against the upper portion of the shanks of said hooks.

2,499,043
HEAT EXCHANGE
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 26, 1947, Serial No. 737,209
4 Claims. (Cl. 62—175.5)

1. The method of refrigerating gas which comprises passing a stream of said gas through a plurality of refrigerating zones packed with refrigerating material of high heat capacity, said high heat capacity being obtained by a plurality



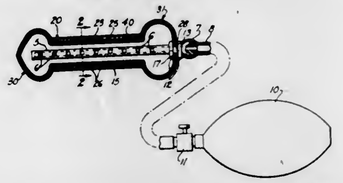
of fusible solids, the fusion temperature of said solids being progressively lower in the direction of flow of said gas.

2,499,044
ARCHERY ARROW NOCK MOUNTING
Reginald Wagg and Charles Herbert Bayliss, Blackheath, near Birmingham, England, assignors to Accles & Pollock Limited, Oldbury, England
Application July 12, 1948, Serial No. 38,275
In Great Britain May 11, 1948
1 Claim. (Cl. 273—106.5)



An archery arrow nock-mounting which is made of metal, is of tubular form, and has one end pointed for receiving the nock, and which can fit tightly one end of a tubular metal arrow shaft.

2,499,045
RECTAL DILATOR AND MEDICATOR
Frank Ray Walker and Frank Herman Young, Long Beach, Calif.
Application August 16, 1948, Serial No. 44,474
12 Claims. (Cl. 128—261)



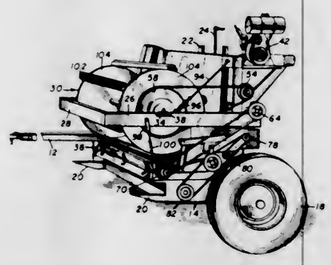
1. An instrument for the medicinal treatment of anal disorders, comprising: a plurality of bag-like elements superimposed, one over another, and together providing an inflatable device adapted to be inserted into the anal passage in collapsed condition and to be inflated to dilate the walls of the passage, an inner element of said plurality of elements being collapsible but non-stretchable and thus defining the shape and size of the inflated device, there being an annular space provided beneath the outermost of said elements in which a medicament can be disposed, said outermost element having perforations through which the medicament can be forced from said space when said inner, non-stretchable element is inflated in response to fluid pressure applied therewithin.

2,499,046
MEANS FOR OPERATING AN ELECTRIC SWITCH AT A PREDETERMINED TIME
Harris Ward, Burntwood, near Lichfield, England
Application August 17, 1944, Serial No. 549,843
In Great Britain September 5, 1943
5 Claims. (Cl. 200—38)



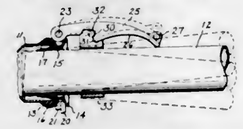
1. Apparatus for operating an electric switch at a predetermined time including a clockwork mechanism, a shaft manually adjustable in an angular direction for setting the time of operation, a tripping device, a cam rotatable relative to the tripping device, resilient means normally urging said cam against said tripping device and adapted to be moved to store energy upon rotation of said cam in one direction, an electric circuit including a movable contact normally resting against said resilient means but freely movable relative thereto so that when the cam member is released by said tripping device the resilient means returns to its original position thereby releasing the stored energy, the return movement of said resilient means effecting the movement of the movable contact to momentarily complete a circuit.

2,499,047
GRASS SEED STRIPPER
Mitchell Wilkins, De Funiak Springs, Fla., assignor of one-half to Edwin H. Finlayson, Pensacola, Fla.
Application June 25, 1947, Serial No. 756,836
11 Claims. (Cl. 56—19)



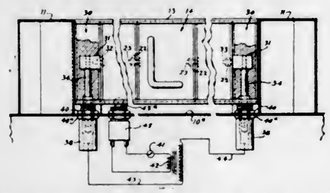
1. A grass seed stripping machine adapted for movement over a field, including a frame, a plant head deflecting reel rotatively mounted on said frame, and a stripper rotatively mounted on said frame beneath and adjacent said reel, power means for positively rotating said reel and said stripper in opposite directions, whereby the heads of seed plants may be drawn between said reel and stripper and stripped of mature seed elements without parting said heads from the plants.

2,499,048
IRRIGATION TUBE JOINT FASTENER
Harry L. Yager, Portland, Oreg.
Application January 6, 1948, Serial No. 660
3 Claims. (Cl. 285—172)



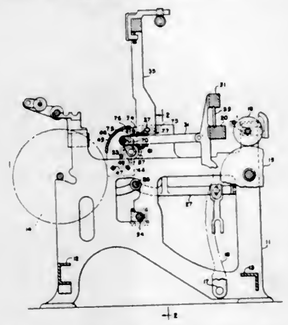
1. A coupling for tubing comprising a tubular member adapted to receive an end of a length of tubing, an annular flange adjacent the end of said member, a pair of arcuate members hingedly connected together and having outwardly extending lugs at their free ends, a first bolt spanning said lugs whereby said arcuate members may be clamped about said tubular member behind said flange, said arcuate members being so proportioned that said lugs are spaced apart, a latch arm freely pivoted on said first bolt between said lugs and having a hook projection on its forward edge intermediate its ends, said projection being directed toward the pivoted end of the arm, a strap shaped to embrace a length of tubing which may be received in said member, said strap having outwardly directed, spaced ends, and a second bolt spanning said ends whereby said strap may be clamped upon the tubing, said ends being spaced sufficiently to receive said latch arm therebetween and said second bolt being spaced from the tubing whereby said projection may hook thereover.

2,499,049
INTERCHANGEABLE ILLUMINATED LETTER SIGN
Harold Radcliffe Yates, Toronto, Ontario, Canada, assignor to Nusign Electric Limited, Toronto, Ontario, Canada, a company of Canada
Application April 25, 1946, Serial No. 664,803
3 Claims. (Cl. 40—130)



1. An interchangeable electric sign comprising a carrier with guideways and a rigid interchangeable sign element capable of conducting electricity therethrough and being detachably mountable in said guideways on said carrier, said interchangeable sign element including a plurality of detachably interconnected and interchangeable sign units, each capable of conducting electricity therethrough and at least some being capable of illumination, said sign element comprising a channel element designed to contain a series of said interconnected units, said channel element being open at its ends to slidably admit said sign units and open over a major portion of its front to display said sign units, said interchangeable sign units each having connecting means on opposed sides thereof in the form of a plug on one side and a socket on the other, said socket being diametrically positioned to said plug so that the plug of one unit engages the socket of an abutting unit when positioned in said channel element to electrically interconnect said units in said sign element, terminal connectors designed to slide into the open ends of said channel element and detachably connect to the end members of said sign element, said terminal connectors each having a jack projecting therefrom, said channel member being slotted to allow said jack to project beyond said channel member substantially at right angles thereto, said carrier having sockets with a voltage supply thereacross, said sockets being designed to slidably receive said jacks of said terminal connectors when said sign element is mounted on said carrier to connect said sign element across said voltage supply to illuminate those sign units capable of illumination.

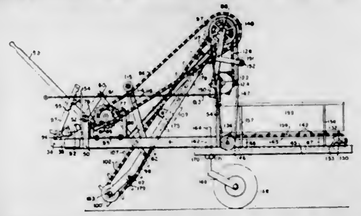
2,499,050
CRANKSHAFT MOUNTING FOR LOOMS
William H. Bahan, Greenville, S. C.; Edward F. Bahan, administrator of said William H. Bahan, deceased
Application November 3, 1947, Serial No. 783,674
5 Claims. (Cl. 139—1)



1. In a loom having side frames and a crank shaft, a girt member having means for securing the ends thereof to the two side frames and bridging the gap between the two side frames, said girt member being arcuate in cross section and having an enlarged arcuate portion near each end thereof, one side of the girt member having vertically disposed faces on each side of the enlarged arcuate portion, the vertical faces having semi-circular bearing portions cut therein, the four bearing portions for the girt being in alignment with each other, the four bearing portions being adapted to receive the crank shaft, said crank shaft having a pair of crank throws each of which is adapted to rotate in the enlarged arcuate portions of the girt, and a plurality of semi-circular bearing caps adapted to be secured over the semi-circular bearings for providing four bearings in the girt for the crank shaft, there being a bearing disposed on each side of the crank throws of the crank shaft.

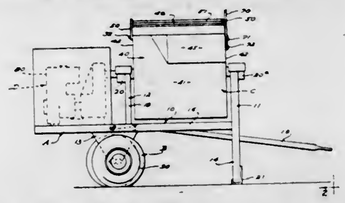
2,499,051
RAKING AND LOADING MEANS FOR PEANUT HARVESTERS
Hartsell W. Beaver, Statesville, N. C., assignor to Turner Manufacturing Company, Statesville, N. C., a corporation of North Carolina
Application March 23, 1945, Serial No. 584,402
3 Claims. (Cl. 56—347)

1. In a peanut harvester comprising a wheeled frame, a superstructure on the frame, a transversely disposed shaft, bearing means adjustably and rotatably mounting the said shaft in the upper end of the superstructure, a pair of conveyor frame bars having one of their ends pivotally mounted in the upper end of the superstructure and extending downwardly and forwardly towards and below the front end of the wheeled frame, a pair of sprocket wheels mounted on the rotatable shaft, a pair of sprocket chains mounted on the sprocket wheels and having spaced bars secured thereto and extending from one chain to the other, said bars having teeth extending therefrom, an idler roller mounted at the lower end of



the said conveyor frame bars and on which the pair of sprocket chains are mounted, a driven shaft in the front end of the frame, a transversely disposed shaft having a geared connection with the driven shaft and a driving connection between the transversely disposed shaft and the first-named rotatable shaft, for imparting rotation to the rotatable shaft and to the conveyor chains mounted thereon, means mounted on the frame and connected to the front end of the conveyor frame bars for regulating the height of the front end of the conveyor frame bars relative to the ground.

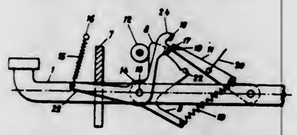
2,499,052
PORTABLE MIXER
Richard N. Brookins, South Gate, Calif., assignor to Essick Manufacturing Company, Los Angeles, Calif., a corporation of California
Application September 20, 1948, Serial No. 50,071
8 Claims. (Cl. 259—176)



1. A structure of the character described including, a frame, a support carrying the frame and including a pair of wheels and means coupling the wheels for movement transversely of the structure between a spread position and a contracted position, a mixing drum having a substantially cylindrical wall rotatably supported by the frame on a horizontal axis extending longitudinally of the structure, the drum having a normally upwardly opening mouth at one side and extending substantially tangentially thereof to have a portion projecting outward from said wall, and a rack shiftably carried by the drum at the mouth thereof to shift from a working position outward of the mouth and a retracted position inward of the mouth, the drum being operable to a position where the mouth extends vertically and the rack is retracted, and the

wheels when in the contracted position having their outer sides substantially aligned with the sides of the drum so the structure has an overall width substantially equal to the diameter of said wall.

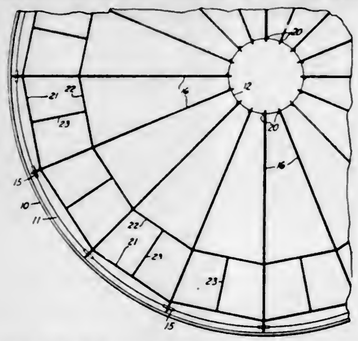
2,499,053
AUTOMATIC LOCKING AND RELEASING DEVICE FOR SHIFT KEYS ON TYPEWRITERS
Robert Büchel, Gamprin, Liechtenstein
Application October 17, 1945, Serial No. 622,787
In Switzerland June 1, 1945
7 Claims. (Cl. 197—80)



1. In a typewriter having a frame structure, character keys, and a structure including a platen carriage and a shift-key mounted for movement from lower to upper case position with respect to said frame structure; a device for automatically locking said shift-key in upper case position and then releasing same, said device comprising a stop mounted on one of said structures, a pivotally mounted locking member mounted on the other of said structures and normally spring pressed against said stop, a spring actuated resetting lever pivotally and coaxially mounted with the locking member, a spring urged locking catch mounted on said other structure for operative engagement with the resetting lever, the said locking member being adapted to be brought into locking engagement with the stop when the shift-key is depressed to maintain said key in depressed position, a member universally actuated for movement by each typewriter character key when said keys are operated for typewriting, and means connecting said universally actuated member with the locking catch to move the catch and bring same out of locking engagement with the resetting lever at the completion of said typewriting operation to permit the resetting lever to swing the locking member out of locking engagement with the stop and permit the shift-key to return to normal position.

2,499,054
LIQUID TREATMENT APPARATUS
Neil R. Collins, Los Altos, and Albin E. Esterberg, Redwood City, Calif., assignors to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware
Application February 2, 1946, Serial No. 645,086
1 Claim. (Cl. 210—51)

In exteriorly installed liquid treatment apparatus, a tank for holding a body of liquid undergoing treatment, said tank being provided with centrally located means for introducing liquid material into the same and also with a peripheral overflow launder for receiving overflow material from the tank, and means for suppressing wave action in the upper exposed portion of the tank, said means comprising a plurality of radially extending baffle planks extending horizontally across the upper portion of the tank from the central portion thereof to said overflow launder, means forming fixed supports for the inner and outer ends of the planks, additional chord baffle planks extending between the radial baffles and attached to the same, all of said baffles being located above the zone of settlement of the apparatus and having such height in a vertical direction that their lower edge portions are submerged in the upper surface of the liquid and their upper edges extended for a substantial distance above the liquid surface.



2,499,055
PRODUCTION OF NITRILES
John N. Cosby and Michael Erchak, Jr., Morris Plains, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1946, Serial No. 659,140
12 Claims. (Cl. 260—465)

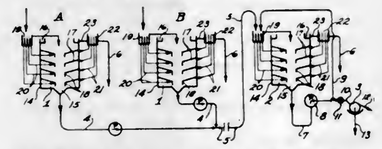
1. The process for the production of an aromatic nitrile which comprises contacting with a catalyst for the vapor phase partial oxidation of benzene and naphthalene, respectively, to maleic and phthalic anhydride, a gaseous mixture containing oxygen, ammonia and an organic compound from the group consisting of the alkyl and alkenyl substituted benzene and naphthalene hydrocarbons and the intermediate partial oxidation products of said hydrocarbons in which the oxygen present is directly combined with acyclic carbon with no oxygen atom being directly linked to more than one of the acyclic carbon atoms and no acyclic carbon atom being directly linked to oxygen through more than two of its valences, said gaseous mixture containing at least 1 mol ammonia for every one —CN radical in the nitrile reaction product of said organic compound and being contacted with said catalyst at temperatures in the range 350° to 600° C.

2,499,056
TOOL FOR ASSEMBLING INSERTS IN HOSE ENDS
Louis B. Courtot, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application November 9, 1946, Serial No. 708,891
3 Claims. (Cl. 81—72)



1. A tool for assembling a hose insert into a hose end comprising a first member having a nose portion, an intermediate portion of reduced section, a threaded portion and a grip, a sleeve member threaded to the first member and having a grip and an end portion axially spaced from said nose portion, whereby said nose portion, intermediate portion of reduced section and the end of said sleeve member form an axially shortenable annular recess, the end portion of said sleeve having a plurality of flexible fingers, and a rubber-like member in said recess and underlying said fingers for gripping the hose insert upon relative motion of said members.

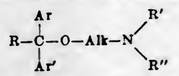
2,499,057
SOLIDS CONCENTRATING METHOD AND APPARATUS
Merrill Cox, University Heights, and Adolph L. Foell, Cleveland Heights, Ohio
Application June 19, 1944, Serial No. 541,108
9 Claims. (Cl. 210—44)



1. Apparatus of the class described comprising a plurality of blast furnaces, a plurality of scrubbers located adjacent to said furnaces to remove fine solids from gases received from said furnaces, a plurality of primary thickeners located adjacent said scrubbers to concentrate such solids in water from the scrubbers, each primary thickener having an inlet for water from a scrubber, an upper outlet for water substantially free from said solids and a lower outlet for water containing a concentration of such solids constituting pumpable liquid, a final thickener remote from at least one of said primary thickeners for increasing the concentration of solids to that of a filterable sludge, means including piping and a pump for conducting said pumpable liquid to the inlet of the final thickener from the said lower outlet of at least one of said primary thickeners, said final thickener having an inlet for said pumpable liquid, an upper outlet for water substantially free from said solids and a lower outlet for said filterable sludge, a filter adjacent the said final thickener and means including piping and a pump for transferring said filterable sludge from said final thickener to said filter.

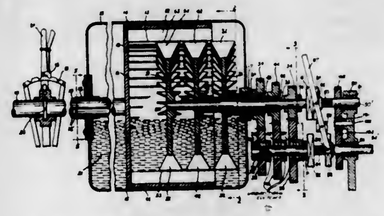
2,499,058
8-HALOXANTHINE SALTS OF DIARYLALKYL DIALKYLAMINOALKYL ETHERS
John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application March 18, 1949, Serial No. 82,284
17 Claims. (Cl. 260—253)

1. A salt of an organic base having the formula



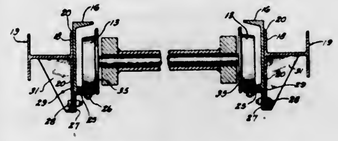
wherein R is a member of the group consisting of hydrogen and lower alkyl radicals, Ar and Ar' are monocyclic aryl radicals, Alk is a lower alkylene radical, and R' and R'' are lower alkyl radicals, with an 8-haloxanthine which contains a hydrogen atom in position 7.

2,499,059
HYDRAULIC TRANSMISSION
Edwin K. Foos, Yellow Springs, Ohio
Application December 23, 1944, Serial No. 569,542
15 Claims. (Cl. 74—732)



1. A variable speed power transmission comprising a driven shaft, means to drive the shaft at different speeds comprising gears operably connected thereto, means to drive the gears comprising hydraulically operated wheels having circularly arranged blades, means to drive the wheels comprising an impeller having vanes operable close to said blades, means to alter the relation of the impeller vanes to the blades of the wheels, and a liquid means for transmitting power from the vanes to the blades.

2,499,060
SKIP CARRIAGE TRACK
Max W. Goldberg, West Bend, Wis., assignor to Modern Equipment Company, Port Washington, Wis., a corporation of Wisconsin
Application November 7, 1946, Serial No. 708,416
7 Claims. (Cl. 104—94)

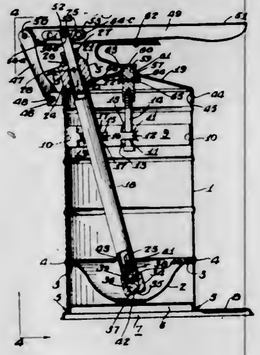


1. A track for a wheeled skip carriage or the like comprising spaced channel members having open sides facing one another and having bottom wheel supporting flanges, said channel members having portions of the bottom flanges provided with transversely alined, elongated, wheel-receiving openings, separable flange sections for closing said openings, supports for said separable sections, bracing means permanently connected to said channels, and readily accessible means readily removably connecting said supports to said bracing means in a position to support the separable sections in closing relationship with respect to said openings.

2,499,061
LUBRICANT-DISPENSING APPARATUS
Russell J. Gray, Excelsior, Minn., assignor, by mesne assignments, to Gray Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application October 20, 1945, Serial No. 623,591
5 Claims. (Cl. 222—385)

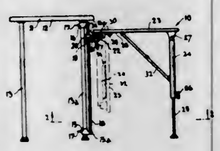
1. A manually-operable pumping dispenser including an upright container open at its top, a lid having an opening therethrough offset from the center thereof, said lid having detachable

engagement with the container adjacent the top thereof so that said lid normally closes the top of said container, a yoke secured within said container, a pump-cylinder mounted in said offset opening and slidably extending through said yoke, thereby providing means whereby said lid may be detached from said container and pulled off the end thereof and swung about said pump-cylinder as an axis so as to leave the top of the container



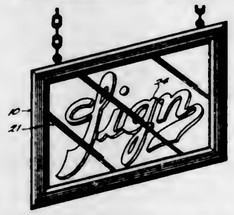
open to receive a supply of lubricant, a piston mounted for reciprocating movement in said cylinder, manually-operable actuating-means mounted on said lid for reciprocating said piston in said pump-cylinder, and inter-engaging lid-securing elements mounted on said lid and on said yoke and manually operable from above the lid when in closed position so as to be quickly attachable to and detachable from one another.

2,499,062
PLATFORM ATTACHMENT FOR WORKTABLES
George Greenberg, Brooklyn, N. Y.
Application April 30, 1947, Serial No. 744,861
2 Claims. (Cl. 311—17)



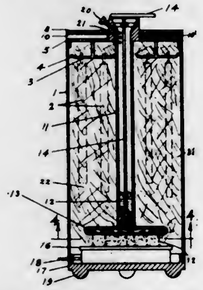
1. In a platform attachment for work tables, having a top and legs, the combination of, a post secured on a leg in parallelism with and spaced apart from it, an upwardly and downwardly slideable ring on said post, a forward projection on said ring having a vertical recess, an elongated comparatively narrow plate member, a hinge device at one end on the underside thereof, a pin on said hinge device adapted to be rotatably placed into said recess, whereby said plate may rotate on a vertical axis and also may swing downwardly on said hinge, and an adjustable leg at the other end of said plate, said leg being adapted to be folded underneath said plate whereby said plate may be suspended from said hinge with its legs folded thereunder, or may be readily removed from, or attached to, said table, and said plate also may swing horizontally on said pin.

2,499,063
ILLUMINATED SIGN APPARATUS
Hy C. Hammer, Chicago, Ill., assignor to Hammer Brothers, Incorporated, Chicago, Ill.
Application December 10, 1947, Serial No. 790,740
4 Claims. (Cl. 40—130)



1. In illuminated sign apparatus, a frame, a light source extending about the frame, a plurality of plates of contrasting colors and carried in said frame with their edges exposed to said light source, and indicia carried between said plates.

2,499,064
MOISTENING CABINET FOR GARMENTS OR FABRICS
Julia E. Hartley, Linthicum Heights, Md.
Application October 7, 1944, Serial No. 557,582
2 Claims. (Cl. 68—6)

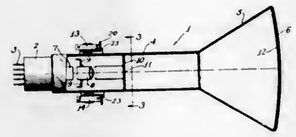


1. A moistening cabinet for garments or fabrics comprising a lateral cylindrical wall and top and bottom closures, conduit means for liquids carried by the top closure and extending within the cabinet and terminating in proximity to the bottom closure, a spider element carried at the lower end and in flow communication with said conduit means, said element having a series of downwardly facing openings, a heating plate carried by the bottom closure in proximity to said openings, means for heating said plate, and means for suspending garments or fabrics within the cabinet.

2,499,065
DEVICE FOR ADJUSTABLY POSITIONING SPACED MAGNETIC FIELDS
Myron R. Heppner, Chicago, Ill., assignor to Heppner Manufacturing Company, Round Lake, Ill., a corporation of Illinois
Application March 22, 1949, Serial No. 82,813
6 Claims. (Cl. 250—161)

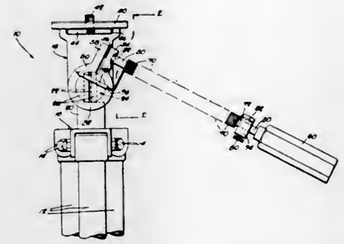
1. A device for magnetically deflecting an electron beam in a cathode-ray tube, comprising a ring constructed of non-magnetic rigid material, a pair of bar magnets carried upon said ring, said magnets being disposed upon diametrically opposite sides of said ring with the poles of one

magnet disposed opposite unlike poles of the other magnet, means for removably mounting said ring upon the neck of a cathode-ray tube with the magnets disposed substantially parallel to the axis of said neck, and an endless plate of



ferro-magnetic material mounted upon said ring and circumscribing the same, said plate being in movable contact with diametrically opposed ends of said magnets to provide a relatively low reluctance path for magnetic flux circumscribing said ring.

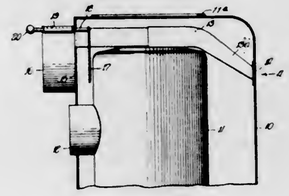
2,499,066
SELF-LOCKING ADJUSTABLE TRIPOD HEAD
James J. Jacobson, New York, N. Y.
Application February 25, 1948, Serial No. 10,683
5 Claims. (Cl. 248—178)



2. On a tripod having a mounting head, an adjustable mounting for said head including a clamp for releasably locking said mounting in adjusted position, and a handle threadedly received by said clamp for opening and closing the latter on turning said handle in unthreading and threading directions, respectively, a prewound torsion spring surrounding said handle and being anchored on the latter with one end and on said mounting with the other end, said spring normally urging the handle in said threading direction.

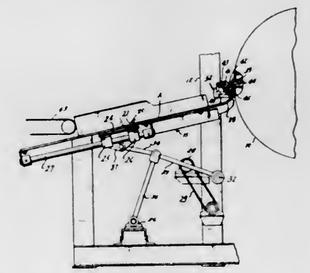
2,499,067
COMBINED FORCED DRAFT AND CONVECTION AIR FLOW SPACE HEATER
Kenneth S. Jenson, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application October 2, 1944, Serial No. 556,703
3 Claims. (Cl. 126—110)

1. In a space heater, in combination, a casing, a heating drum disposed within said casing in position to provide a space between said drum and said casing for heated air, conduit means extending across said casing in the region closely adjacent to the top of said drum, blower means for forcing air through said conduit means, said blower means having an intake communicating with the upper region of said space for heated air and having an outlet communicating with one end of said conduit means, said conduit means having its other end downwardly directed for directing heated air from said blower means in a downward direction from the upper portion of said casing to the exterior of said casing, said casing being provided with an opening to admit air to the space



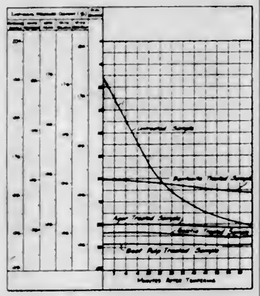
between said casing and said drum, the top of said casing being apertured to permit the escape of heated air from said casing, and means for controlling the amount of heated air delivered by said blower means to said conduit means.

2,499,068
RECIPROCATING TRANSFER FOR ROTARY SHEET FEEDING MECHANISMS
Wendell William Jones, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application May 28, 1947, Serial No. 751,018
3 Claims. (Cl. 271—53)



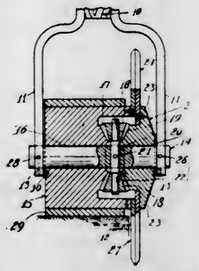
1. In combination, a rotatable drum, feed mechanism for feeding sheets to the drum comprising a feed table having longitudinal slots therein and having a forward edge terminating adjacent the drum, a reciprocating carriage mounted for movement below the table, feed fingers on the carriage extending upwardly through said slots to engage the rear edges of the sheets, the drum having rotatable gripping fingers for gripping the leading edges of the sheets, syncronized drive means for reciprocating said carriage in timed relation with the rotation of said drum for delivering the leading edges of sheets to the gripping fingers on the drum, means for adjusting said feed fingers longitudinally of said carriage, movable guide fingers pivotally mounted adjoining the drum and cam operated means for projecting and retracting said guide fingers respectively toward and away from said table edge constructed for projecting said fingers in timed relation to the rotation of the drum for guiding the leading edges of sheets to the drum surface into position to be gripped by the gripping fingers on the drum.

2,499,069
METHOD OF TESTING MOISTURE CONTENT OF MATERIALS
Charles N. Kimball, Johnson County, Kans., William R. Lewis, Clay County, Mo., and Herman A. Strecker, Wyandotte County, Kans., assignors to C. J. Patterson Company, Kansas City, Mo., a corporation of Missouri
Application May 5, 1947, Serial No. 746,098
9 Claims. (Cl. 175—183)



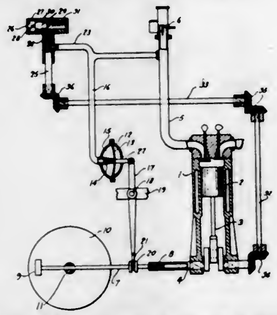
1. The method of testing freshly tempered cereal grain which comprises removing the surface moisture from the individual berries in a sample lot and redistributing it throughout the spaces between the berries, then placing the sample lot between a pair of electrodes and registering an electrical characteristic of the sample between said electrodes.

2,499,070
LAWN EDGE TRIMMER
Robert C. Ledbetter, Pittsburgh, Pa.
Application July 10, 1946, Serial No. 682,568
10 Claims. (Cl. 56—256)



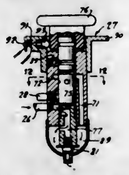
2. A lawn edge trimmer comprising a bifurcated handle having a horizontal shaft supported in the cheek-bars thereof; a pair of opposing bevel gear structures rotatably mounted on said shaft and in mesh with bevel pinions rotatably mounted on a pin shaft secured to said horizontal shaft; one of said bevel gears formed integral with a traction wheel adapted to securely support a circular cutting blade, the second bevel gear provided with an outwardly extending flange adapted to securely support a second circular cutting blade; both cutting blades having their faces in close contact with each other and means to apply tension to said blades.

2,499,071
CONTROL MECHANISM FOR VARIABLE-SPEED TRANSMISSIONS
Marion Mallory, Detroit, Mich.
Application March 29, 1945, Serial No. 585,548
4 Claims. (Cl. 74—336.5)



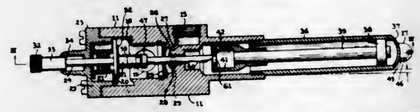
1. A transmission control for an internal combustion engine having an intake passageway, comprising a driving shaft, a driven shaft, variable ratio transmission mechanism between said driving and driven shafts, a servo-motor connected to said variable ratio drive transmission mechanism, a passageway connecting said servo-motor with said intake passageway whereby said servo-motor responds to changes in intake passageway pressure to actuate said variable ratio transmission mechanism and vary the driving ratio between the driving and driven shafts, a centrifugally controlled air bleed valve mechanism actuated in accordance with the speed of the engine and arranged to bleed air into the servo-motor when the engine is operating below a predetermined speed whereby the servo-motor maintains a low driving ratio between the driven and driving shafts.

2,499,072
VALVE FOR VEHICLE JACKS
Ralston H. McClure, Detroit, Mich., assignor of one-third to Wiley K. Crowder and one-third to Worthan A. Snell, both of Detroit, Mich.
Application October 17, 1945, Serial No. 622,833
1 Claim. (Cl. 251—4)



A distributing valve for a plurality of hydraulic devices comprising a casing having an inlet port for admission of fluid under pressure, a plurality of outlets ports at equidistantly spaced points around the same and in the same plane and a return port; a valve body mounted in said casing for longitudinal movement and rotation therein, said body having an axial bore closed at both ends, a pair of radial passages leading into and communicating with said bore and a wide annular groove around its periphery communicating with one of said radial passages; and means indicating a plurality of longitudinal selected positions of said body in said casing, in one of said selected positions of said valve body the outlet ports communicate with the groove and the bore through one of said radial passages, and the other radial passage is open to said return port; in another selected operative position of the valve body in said casing the groove communicates with said inlet port and all of the outlet ports, with the radial passages cut off from the return port; and in another final selected position of said valve body the groove is open to the inlet port and the bore through one of said radial passages and through the other radial passage to an individual outlet port selectable through rotation of said body in said casing.

2,499,073
GAS SAFETY BURNER
Robert E. Newell, Irwin, Pa.
Application October 10, 1947, Serial No. 779,165
11 Claims. (Cl. 158—117.1)



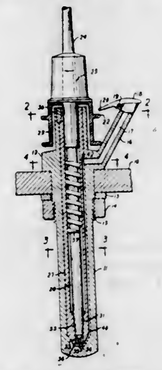
1. Control apparatus, comprising a main valve for controlling flow of gas to a main burner, a spring yieldably urging the valve to its closed position, a pilot burner in the form of a tube having flame jet openings, a thermally-responsive tube in position to be heated on one side by the flame jets, a second valve for controlling flow of gas to the pilot burner tube, a valve stem for holding the second valve closed when the stem is in a forwardly-projected position, a spring-pressed member yieldably urging the stem to its forward position, a lost-motion connection between the stem and the main valve for pulling the main valve in an opening direction when the stem is being retracted beyond the point at which the second valve has been opened, and means actuated through heating of the thermally-responsive tube on said one side, for holding the valve stem in its retracted position and for releasing the stem upon cooling of said side.

2,499,074
PASTRY WHIP
Ernest S. Nordgarden, Portland, Oreg.
Application October 30, 1946, Serial No. 706,647
1 Claim. (Cl. 259—144)



A culinary whip comprising an elongated hollow handle sealed at both of its ends variable weights disposed therein, a plurality of looped wires having their ends converging into one end of the handle and turned at right angles to themselves for embedded engagement with one of said weights, the outer surface of said one of said weights being of concave formation, and an annular groove formed on the interior of said handle for retaining the said one of said weights in the handle.

2,499,075
SPINDLE AND BOLSTER AND LUBRICATION MEANS THEREFOR
Elvin B. Robinson, Gastonia, and Jack C. Costner, Bessemer City, N. C., assignors of one-third to Arnold W. Kincaid, Kings Mountain, N. C.
Application November 17, 1947, Serial No. 786,502
8 Claims. (Cl. 308—169)

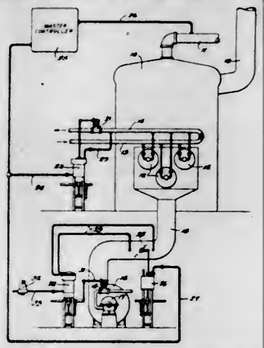


1. In a spindle and bolster construction, a bolster having a vertically disposed bore therein and a spindle mounted for rotation in the bore in the bolster, said spindle having a spirally disposed vane thereon for forcing lubricant downwardly in the bore in the bolster, said spindle having a vertically disposed bore therein extending from the lower end of the spindle to a point immediately above the upper end of the spiral vane and said spindle having a radially disposed bore extending from the exterior thereof to the upper end of the centrally disposed bore in the spindle, the lower end of the bolster having a tapered bearing therein and the lower end of the spindle having a tapered portion rotatably mounted in said bearing whereby upon rotation being imparted to the spindle, the lubricant within the bolster will be forced downwardly to raise the tapered lower end of the spindle upwardly with relation to the tapered bore in the lower end of the bolster and to force lubricant upwardly in the centrally disposed bore in the spindle and outwardly through the radially disposed bore to thus circulate the lubricant within the bolster and to slightly elevate the spindle in the bolster.

2,499,076
APPARATUS FOR CONTROLLING FUEL AND AIR SUPPLY TO BOILERS RESPONSIVE TO BOILER DEMAND
Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application April 28, 1945, Serial No. 590,922
3 Claims. (Cl. 110—54)

1. Boiler control apparatus for a boiler having a forced draft fan comprising a valve between the

fan and the boiler adjustable to vary the air supply for the boiler, a master controller responsive to a condition of operation of the boiler to produce a regulating pressure, a regulator responsive to



said pressure and connected to the valve to adjust it, a regulator responsive to the pressure differential across the valve, and means operated by the regulator to control the fan.

2,499,077
TENSION CATCH
Hudson B. Roysher, Los Angeles, Calif.
Application December 12, 1947, Serial No. 791,201
2 Claims. (Cl. 24—73)



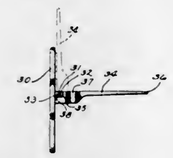
1. As an article of commerce, a self-latching tension catch, consisting of: an outer hollow body of rectangular section provided with integral top, bottom, and spaced side walls, said side walls including lugs forming an integral end wall for the body, said side walls being provided with integral hook portions, said hook portions being bent out of the planes of the sides into contact in a plane parallel to but intermediate the side walls to distribute tension applied to the hook substantially equally between the side walls; a one-piece frame within the hollow body, said frame comprising a bight having a pair of legs extending into the body in sliding contact with the side walls thereof and inturned lugs on the inner edges of the legs to form an abutment; and a compression spring within the body with its ends resting against said abutment and the integral end wall of the body.

2,499,078
FOLDING IRONING BOARD
Eber W. Shaw, Cleveland, Ohio
Application June 28, 1946, Serial No. 680,145
2 Claims. (Cl. 38—117)



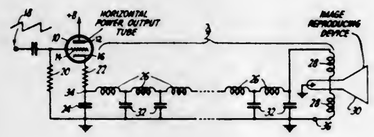
1. A folding table-top ironing board, comprising a board including a flat under surface, a pair of stub legs including flat upper ends, hinge means hingedly connecting said flat upper ends of said legs to said under surface of said board for swinging movement in the same direction from a folded position with said flat upper ends at right angles to said under surface to an erect position with said flat upper ends abutting said flat under surface, said legs each having a bottom edge formed with a slot therein, said slots each including a floor, said slots being aligned, a stretcher, hinge means hingedly connecting said stretcher to said legs, in the region of said slots whereby said stretcher is seated in said slots in vertically-spaced relation to said under surface of said board when said legs are in said erect position.

2,499,079
CANDLE HOLDER FOR CAKES
Arthur R. Steinhilb, Milwaukee, Wis.
Application March 20, 1948, Serial No. 16,082
2 Claims. (Cl. 67—23)



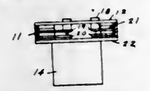
1. A pointed member adapted for insertion into the side of a cake or the like having a tapered aperture for retention of a candle, a flat ornamental member pivoted to the end of said pointed member, and means on said pointed member to retain the ornamental member disposed at right angles to the horizontal plane of said pointed member when the latter is inserted horizontally into a cake.

2,499,080
CATHODE-RAY BEAM DEFLECTION CIRCUIT
Richard C. Webb, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 26, 1946, Serial No. 718,292
4 Claims. (Cl. 315—27)



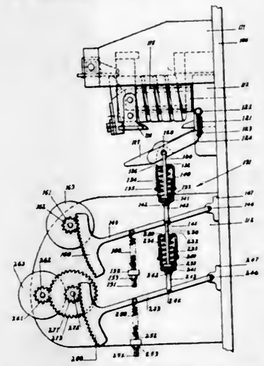
1. In a cathode ray beam deflection system having a deflection coil, the combination comprising, a source of deflection voltage, a coupling network connected between said source of deflection voltage and the deflection coil, said coupling network comprising a finite number of filter sections incorporating lumped parameters so proportioned to present to said deflection voltage source a terminating impedance partially simulating a transmission line, means for detecting any undesirable residual energy reflections in the coupling network due to the finite number of component filter sections, means for inverting the phase of the residual of energy reflections and means for combining the inverted reflections with the energy applied to the deflection coil whereby to reduce the influence of said reflections on the current flowing through the deflection coil.

2,499,081
BOWLING PIN SPOTTING DEVICE
John J. West and Erlin L. Freeman, Baltimore, Md.
Application March 29, 1946, Serial No. 658,281
2 Claims. (Cl. 273—46)



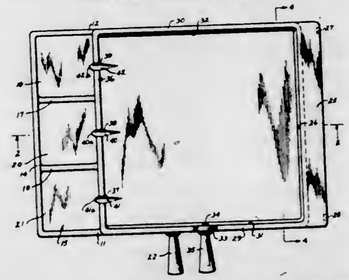
1. In combination with a bowling alley, pin spots located on said alley, each of said spots comprising a ferrule, a plurality of switches carried thereby and adapted to cooperate with the rounded base of a bowling pin, means for operating said switches comprising a plurality of plungers normally protruding above the alley floor and circularly arranged about a circle of smaller diameter than the base of the bowling pin, whereby positioning of the pin on all of said plungers will depress said plungers and close all of said switches, a display board, and electrical wiring means between said pin spots and said display board including a series connection between said switches.

2,499,082
SERIES TIME-DELAY MECHANISM
Joseph D. Wood, Upper Darby, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 19, 1945, Serial No. 623,370
6 Claims. (Cl. 175—372)



1. In a time delay mechanism for a circuit breaker trip apparatus having an armature mounted for a predetermined movement and a magnet for applying variable forces for effecting movement of said armature in one direction, a first time delay mechanism comprising a rotatably mounted mass, a pinion secured to and rotatable with said mass and a gear meshing with the teeth of said pinion, a member including a spring connecting said armature to said gear, said spring forming a flexible connection between said armature and said first time delay mechanism when said armature is pulled by a first predetermined force in response to the energization of said electromagnet to permit said armature to move free of said time delay mechanism and said spring acting as a rigid connection when said armature is pulled by less than said first predetermined force and at least a second predetermined force in response to the energization of said electromagnet to effect delay in the movement of said armature by said first time delay, a second time delay comprising a rotatably mounted mass, a pinion secured to and rotatable with said last mentioned rotatable mass and a gear meshing therewith, a member including a spring connection from said first time delay mechanism to said last mentioned gear, said spring forming a flexible connection between said time delay mechanism when the force applied to said armature by said magnet when energized is at least said second predetermined force and acting as a rigid connection when the force applied to said armature by said electromagnet when energized is less than said second predetermined force for permitting movement of said armature under control of said second time delay.

2,499,083
SELF-BASTING FRYING PAN
Handel Ashworth and Frank P. Healy, Baldwin, N. Y.
Application November 29, 1947, Serial No. 788,822
7 Claims. (Cl. 99—425)



1. In a fryer, an open rectangular frame having side walls the thicknesses of which are less than the height, a frying area formed therein adjacent to one end thereof and having a level above the lower edges of said sides, said frying area having a bounding edge the upper level of which is lower than the level of the upper edges of said side walls, a second vessel slidably mounted on the upper edges of said side walls and having a frying area inclined towards the end containing said first frying area, the lower surface of said last frying area being adapted to clear said bounding edge, and drain means formed in said second vessel for allowing fluid on said second frying surface to drip onto said first frying area.

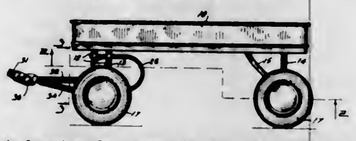
2,499,084
SPRAY NOZZLE
Agnew H. Bahnson, Jr., Winston-Salem, N. C., assignor to Katharine King Bahnson, Winston-Salem, N. C.
Application May 3, 1946, Serial No. 666,861
1 Claim. (Cl. 299—114)



A spray nozzle comprising a housing provided with a fluid passage opening tangentially into a whirl chamber having an axial outlet, the wall defining said swirl chamber being contracted inwardly to terminate in a shallow cylindrical portion adjacent said outlet, the outer end of said

cylindrical portion extending radially of the axis of the swirl chamber to form a disc seat, a discharge orifice disc frictionally retained on said seat, an upstanding imperforate stem arranged co-axially of said chamber and terminating within said cylindrical portion in proximity to said disc, the lower portion of said chamber being counterbored and threaded, and a base member threaded into said lower portion of the chamber, said stem being integral with said base member and having a flaring portion merging smoothly into said housing wall which defines the swirl chamber.

2,499,085
COASTER WAGON
Walter M. Bakula, Denver, Colo.
Application March 26, 1946, Serial No. 657,199
2 Claims. (Cl. 280—87.01)



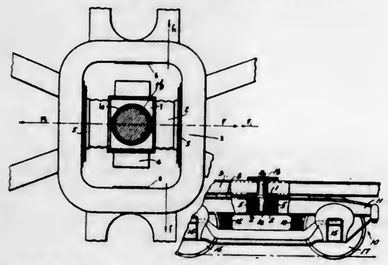
1. A front axle assembly for use with wagons having a chassis comprising two spaced side members and a rear axle; a bolster formed from two spaced bars positioned near the front end of the frame and welded to the side members, a bearing plate welded to the under surface of the bolster at its middle point, a king bolt extending through the plate, a front axle, an upwardly curved truss element positioned along the upper side of the axle and attached at its ends thereto, the truss comprising two rod-like members spaced along their middle points with their ends welded to the front axle, a bearing plate secured to the convex upper side of the truss, at its middle, and provided with an opening for the king bolt, and a U-shaped brace formed from two members connected at one end and diverging, the spaced ends being welded to the bolster, the interconnected ends being pivoted to the center point of the axle, the axle having means for attaching a tongue thereto.

2,499,086
DETACHABLE BUTTON SET
Betty W. Birnkrant and Samuel H. Birnkrant, Brooklyn, N. Y.
Application June 19, 1947, Serial No. 755,648
2 Claims. (Cl. 24—103)



1. A pin for attaching a button having an eye to the fabric of a garment, comprising a pin bar having a point guard mounted on one end thereof, a pin shank integrally formed with said pin bar and having a pointed end for engagement through the fabric, through the eye of the button and then back through the fabric for releasable engagement with said point guard, a loop formed in said pin shank intermediate of its ends and extended laterally away from said pin bar to project through the fabric and engage the eye of the button, and means on said pin bar intermediate of its ends and directed toward the open side of said loop for retaining the eye of the button in engagement with said loop and for retaining said loop in a fixed position with relation to the fabric to prevent longitudinal movement of said pin shank relative to the fabric when the pointed end of said pin shank is in engagement with said point guard, said pin bar and said pin shank being spaced when the pointed end of said pin shank engages said pin guard, said means comprises a single loop formed on said pin bar intermediate of its ends and in alignment with said first loop to extend across said space to a position at the open side of said first loop.

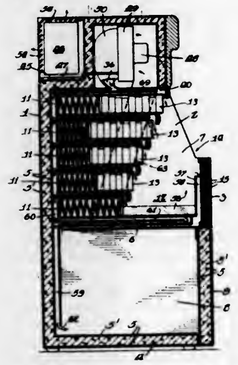
2,499,087
ELASTIC PIVOT FOR RAILROAD AND THE LIKE VEHICLES
Pierre Marcel Bourdon, Paris, France, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand, France
Application November 7, 1947, Serial No. 784,716
In France November 27, 1946
2 Claims. (Cl. 105—199)



1. In a pivot connection for a railway vehicle having a bogie truck frame and a vehicle body frame; means for supporting the entire weight of the body frame directly on the truck frame, a frame portion in the top of the truck frame, said frame portion having a recess therein provided with substantially parallel inwardly facing walls on opposite sides thereof perpendicular to the direction of progression of said vehicle, a rigid bearing block in said recess and having a central bearing opening and substantially parallel outer surfaces facing said parallel walls, said bearing block being of smaller dimensions than said recess to permit movement of the bearing block in said recess in all directions, a pivot pin on said body frame rotatably engaging in said bearing block opening, separate resilient rubber blocks bonded to said parallel walls and to said outer facing surfaces of said bearing block, each rubber block being substantially coextensive in width and height with the surfaces of said bearing block to which it is bonded, and substantially narrower than the length of the wall to which it is bonded to permit movement of said bearing block and subject said rubber blocks only to non-vertical shearing stresses and only to non-vertical tension and compression stresses, said blocks constituting the sole means for cushioning the normal horizontal movements of said bearing block and pivot pin relative to said truck frame.

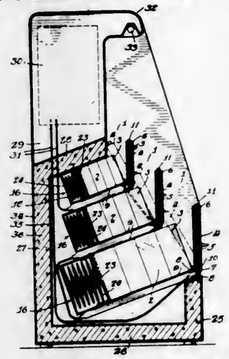
2,499,088
REFRIGERATED DISPLAY CASE
Edward F. Brill and Orval Schroeder, Milwaukee, Wis.; said Schroeder assignor to said Brill
Application March 29, 1947, Serial No. 738,180
9 Claims. (Cl. 62—89.5)

6. In a device of the class described, in combination, a case provided with a refrigerated merchandise holding compartment, spaced apart overlying shelves for supporting articles of merchandise in said compartment, a well for articles of merchandise located at the bottom of said compartment and extending forwardly of the front of said shelves to permit access to the well downwardly along the front of said shelves, means



positioned between said shelves for defining an upper and lower duct for conveying refrigerated air forwardly along the bottom of one shelf and thence rearwardly along the top of a lower adjacent shelf, and means for supplying refrigerated air to said ducts.

2,499,089
REFRIGERATED DISPLAY CASE
Edward F. Brill and Orval Schroeder, Milwaukee, Wis.; said Schroeder assignor to said Brill
Application March 29, 1947, Serial No. 738,181
9 Claims. (Cl. 62—89.5)



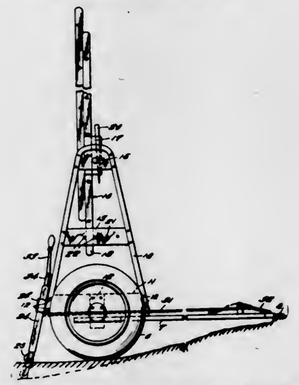
1. In a device of the class described, in combination, a case having a plurality of wells for holding articles of merchandise, each of said wells having a generally upwardly directed first well part opening generally upwardly and a second well part extending generally rearwardly from the lower portion of said first well part to provide wells of angular form and increased capacity, the generally upwardly opening parts of said wells being disposed at succeedingly higher levels and rearwardly of one another from the front of the case, with the rearwardly extending parts of the wells overlying one another upwardly from the bottom of the case, and means for maintaining the articles of merchandise in said wells in refrigerated condition.

2,499,090
INERTIA OPERATED PIVOTED BOLT LOCK
Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Application September 27, 1944, Serial No. 555,949
7 Claims. (Cl. 89—182)



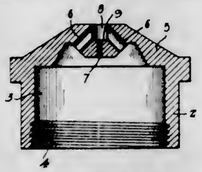
1. In a recoil operated firearm of the character described, a receiver, a barrel carried by and mounted for reciprocation relative to said receiver, a breech block carried by the receiver for reciprocation, locking means carried by the breeech block for locking the breech block in operative relation to the barrel, recoil resistance means for progressively retarding the recoil movement of the barrel and yieldingly stopping recoil movement of the barrel in space and then restoring the barrel to its firing position during the interval when said breech block is undergoing its final recoil movement, and an inertia instrumentality associated with the locking means and effective solely by its inertia to completely release the breech block from the barrel with a continuous action during the recoil movement of the latter and before the barrel reaches the rear end of its recoil stroke, said breech block, locking means, and inertia means being capable of continuing the recoil stroke after the barrel and breech block have been unlocked and while the barrel is being restored to its firing position.

2,499,091
PORTABLE LADDER SUPPORT
Ernest Earl Brubaker, Rapid City, S. Dak.
Application October 4, 1945, Serial No. 620,331
1 Claim. (Cl. 228—5)



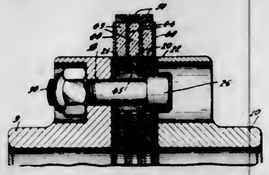
A ladder support comprising a truck, and including a frame rising from the truck, a transverse bar at the upper portion of the frame, a ladder having a pair of channel brackets secured to the rails thereof, notches in the brackets for receiving the bar to pivotally mount the ladder thereon, a locking wedge bridging and connecting said brackets and inserted in the brackets to retain the brackets on the bar, and means carried by the frame for securing the ladder in adjustably tilted position on the frame.

2,499,092
FOG NOZZLE
Thompson W. Burnam, Whittier, Calif., assignor to Fog Nozzle Company, Los Angeles, Calif., a partnership
Application May 14, 1946, Serial No. 669,522
1 Claim. (Cl. 299—143)



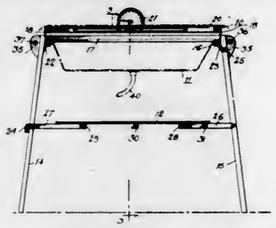
An internal impingement fog nozzle which includes a nozzle body having a head with a plurality of converging orifices in said head, said orifices converging in the direction of the exterior of the head and partially within and partially outside the head, and a circular counterbore extending inwardly from the outer face of the head meeting the orifices at their points of intersection to provide a substantially circuliar discharge bore for the nozzle, said counterbore forming a substantially flat base connecting said orifices, and an orifice axially aligned with the counterbore communicating with said flat base, said latter orifice being smaller in diameter than the converging orifices.

2,499,093
COUPLING
Gustave Fast, Salisbury, Md.; Frederich W. C. Webb, administrator of said Gustave Fast, deceased, assignor to Christiane Ganna Fast
Application March 31, 1944, Serial No. 528,834
2 Claims. (Cl. 64—13)



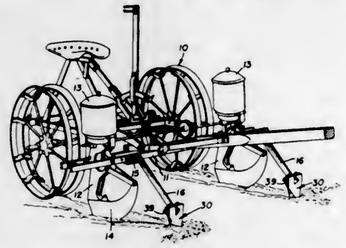
1. A flexible shaft coupling adapted for coupling rotating shafts which, to a greater or less extent, may be out of alignment, which comprises: a plurality of coupling hubs secured on said shafts to be coupled; flexible sandwich means positioned between said coupling hubs, said flexible sandwich means including a core of elastic material interposed between supporting plate members, said core of elastic material and said plate members being apertured for the passage of coupling bolts with the enlarged head portions thereof positioned in said apertures, said coupling bolts securing said coupling hubs and said flexible sandwich means together in interconnected relationship; a plurality of coupling bolts with enlarged head portions, said enlarged head portions being adapted to transmit excessive torque between said coupling bolts and said metallic plates by direct metal-to-metal contact between said enlarged head and the portions of said plates adjacent said apertures, torque less than said excessive torque being transmitted through said elastic core members; and vibration damping means comprising relatively shiftable elements surrounding said flexible sandwich means and retained thereby for damping excessive vibrations of said coupling.

2,499,094
BABY BATH
Bernard J. Greenbaum, Weston, Conn.
Application January 22, 1947, Serial No. 723,634
6 Claims. (Cl. 4—177)



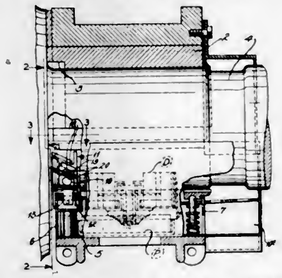
1. In a device of the class described, an open frame adapted to receive and support a tub, supporting legs hinged to the corners of the frame and foldable up beneath the frame longitudinally thereof, a tray disposed below the frame, and arms pivoted to the legs and extending horizontally beneath the tray and pivoted thereto, the weight of the tray resting on said arms and tending to keep the legs spread apart.

2,499,095
FURROW OPENING ATTACHMENT FOR GRAIN DRILLS OR PLANTERS
Hollis B. Hall, Mayfield, Ky.
Application April 21, 1947, Serial No. 742,887
1 Claim. (Cl. 97—225)



In a planter of the type having a seed box, a chute leading from the seed box and a shoe projecting forwardly from the lower end of said chute; a furrow opening attachment for said planter comprising an arm carried by the planter, said arm extending forwardly from the planter and terminating in advance of the shoe, a U-shaped yoke detachably mounted in a vertical position on the arm adjacent the forward end thereof, a furrow opening blade pivoted intermediate its ends to the lower end of the yoke, said blade having an elongated longitudinal slot opening through its upper end to accommodate the forward end of the arm, a rearwardly extending bracket arm carried by the blade below its pivotal connection to the yoke, rearwardly extending apertured arms carried by the legs of the yoke adjacent the upper ends thereof, a push rod pivotally supported on the bracket arm adjacent each side thereof, said push rods being slidably received in the apertures in the arms carried by the legs of the yoke and compression coil springs surrounding the push rods between the bracket arm and the apertured arms yieldingly to hold the upper end of the blade against the yoke.

2,499,096
JOURNAL LUBRICATOR
James J. Hennessy, Montclair, N. J.
Application October 8, 1947, Serial No. 778,651
5 Claims. (Cl. 308—83)

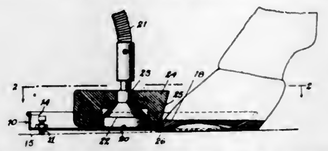


1. In combination, a journal, a journal wiper, and means to urge said wiper into engagement with said journal, said wiper having spaced diagonal ribs adapted for initial wear to the contour of said journal, wear resisting pads positioned between but spaced from said ribs and adapted to engage said journal after said rigs have worn to the journal contour, and grooves between said ribs and said wear pads to lead surplus oil away from the outer end of said journal.

2,499,097
THERMOREVERSIBLE GELS OF HYDROLYZED VINYL FLUORIDE/VINYL ACETATE COPOLYMERS
Benjamin W. Howk and Louis Plambeck, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 21, 1945, Serial No. 617,928
3 Claims. (Cl. 260—29.6)

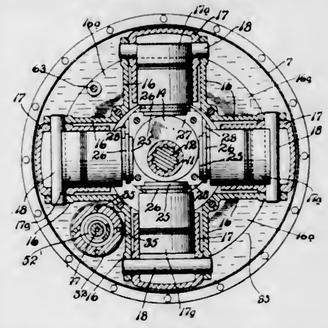
1. A thermally reversible gel essentially consisting of from 2 to 5% by weight of a hydrolyzed interpolymer the recurring units of which consist of one vinyl fluoride radical and from six to thirty radicals of the group consisting of vinyl alcohol and vinyl esters of an organic monocarboxylic acid free from non-benzenoid carbon-to-carbon unsaturation, in which any carbon atom alpha to the carbon atom in the carboxyl group of said acid is attached to at least one but not more than three carbon atoms, and wherein the ratio of vinyl alcohol to vinyl ester radicals is at least 19 to 1, and a solvent consisting of water and up to 25% of alcohol based on the weight of the solvent.

2,499,098
MACHINE FOR TRIMMING HORSES' FEET
Patrick H. Howe, Jamaica, N. Y.
Application September 5, 1946, Serial No. 694,952
1 Claim. (Cl. 168—48)



A device for cutting the wall of a horse's foot, including a platform having a portion thereof to surround the horse's foot, means at the front end of said platform to adjust the angle of said platform with relation to the floor, a rotating blade positioned on said platform to cut the wall of the horse's foot, a guard member mounted with relation to said platform to limit the depth of its cut, said guard blade being rotatable so that the blade may be moved around the foot.

2,499,099
TORQUE CONTROLLED LIQUID TORQUE DRIVE
Bertrand F. Kenyon, Grand Rapids, Mich., assignor to Mechano Gear Shift Company, Grand Rapids, Mich., a corporation of Michigan
Application April 29, 1946, Serial No. 665,744
7 Claims. (Cl. 192—60)

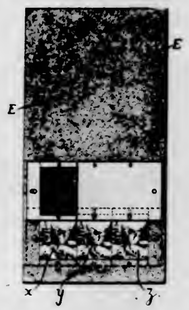


1. A rotatable driving member, a rotatable driven member, one of said members having a casing with liquid therein which provides a centrifugal ring of liquid within the casing with an atmosphere center within the liquid ring upon rotation, a plurality of pumping means taking liquid from said liquid ring connected with said casing, means for driving said pumping means on the other rotatable member, means having passages connecting all of the pumping means in which high liquid pressure is produced by pumping operation, a control by-pass head which in open position connects all of said manifold passages, means for operating said by-pass head toward closing position by pressure of liquid to thereby stop the pumping means and connect the driving and driven members, said passages having openings leading to the outside atmosphere, movable means for closing said openings for building up pressure and means for operating said movable means to an open position to reduce the pressure within said manifold passages to atmospheric pressure, whereby the pumping means will operate with a disconnection of the driving and driven members, as specified.

2,499,100
METHOD FOR OBTAINING COLOR REGISTRY IN OFFSET PRINTING
Harry C. Kessler, Jr., Drexel Hill, Pa.
Application October 19, 1946, Serial No. 704,474
1 Claim. (Cl. 95—5.1)

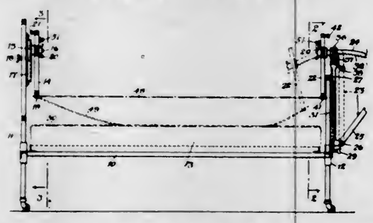
In a method for the preparation of printing plates for producing multicolor printing, the steps comprising affixing spaced dowels in identical position on each of a plurality of identical sensitized press plates, forming in a transparent negative holder spaced holes having the same spacing as said dowels and sized to exactly receive said

dowels, forming a plurality of pairs of equally spaced holes in said negative holder, affixing in identical position on each of a plurality of color negatives a pair of dowels having the same spacing as each of said plurality of pairs of holes in the negative holder and sized to exactly fit each of said pairs of holes, securing one of said color negatives to said negative holder with the pair of dowels thereon entered in one pair of said pairs of holes in the negative holder, laying said negative holder on one of said press plates with the pair of dowels thereon entered in said first mentioned pair of holes in said negative holder, masking the portion of the press plate not covered by the color negative, exposing, unmasking the press plate, shifting the color negative to another pair of said pairs of spaced holes in the negative holder, replacing the negative holder on the press



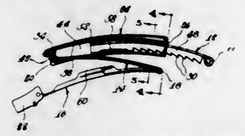
plate, masking and exposing the press plate, removing the negative holder from the press plate and processing said press plate, removing the negative from the negative holder, securing a second of said color negatives to said negative holder with the pair of dowels thereon entered in the first pair of holes in said negative holder used by the first color negative, laying said negative holder on a second of said press plates with the pair of dowels thereon entered in said first mentioned holes in said negative holder, masking and exposing said press plate, removing the negative holder and shifting the negative to the second pair of holes utilized by the first colored negative, replacing the negative holder on said press plate, masking and exposing said press plate, removing the negative holder therefrom and processing said press plate.

2,499,101
HOSPITAL BED ATTACHMENT
Theobald Kluglein, Valley Stream, N. Y.
Application July 16, 1946, Serial No. 683,865
6 Claims. (Cl. 5—61)



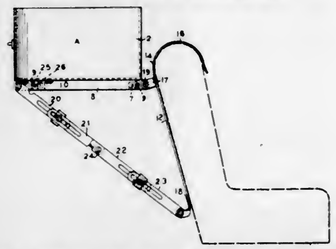
1. The combination with a bed, of cooperative frame structures, means mounting one of said structures on the head end of the bed for adjustment about an axis paralleling the longitudinal axis of the bed, means mounting the other of said structures on the foot end of the bed for adjustment about an axis paralleling the longitudinal axis of the bed and also for movement in an arc toward and away from said head end, a stretcher consisting of a panel of stout flexible material having the opposite ends thereof connected with said frame structures respectively, and means to fixedly secure each of said frame structures with respect to the bed.

2,499,102
EXTENSIBLE CONNECTOR
Samuel Levine, Brooklyn, N. Y., assignor to Morays Manufacturing Company, Inc., Brooklyn, N. Y., a corporation
Application February 9, 1946, Serial No. 646,642
10 Claims. (Cl. 24—71)



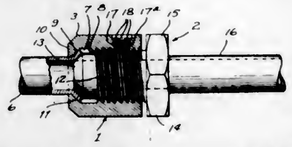
1. In an extensible connector for bracelets, wrist watch straps, etc., a link, a ratchet member slidable in said link longitudinally thereof, said ratchet member being positioned at the inner surface of said link, and a detent member positioned at the outer surface of said link and secured thereto, said detent member extending longitudinally of said link and being flexibly movable in a direction toward and away from said outer surface of said link and having a detent element releasibly engageable with said ratchet member at a point externally of said link for releasably securing said ratchet member in adjusted position longitudinally of said link.

2,499,103
PET BED FOR VEHICLES
Margaret Edna Love, Orlando, Fla.
Application March 27, 1946, Serial No. 657,551
2 Claims. (Cl. 224—42.43)



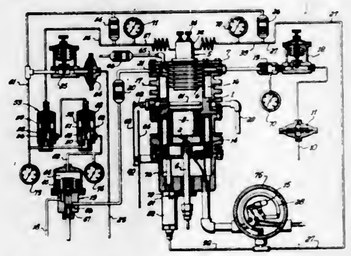
1. A suspendible, adjustable and collapsible assembly for a vehicle seat-back, comprising a vertically swingable bed supporting base having protruding detachable pivotal suspension hook connection with the vehicle seat-back for disposition of said base in a horizontal plane, and a breakjointed brace hinged to the base and said hook connection, respectively, and having lockable extension sections at opposite sides of the breakjoint for effecting the leveling of the base in a horizontal plane, irrespective of the angular relation thereto of the seat-back when the said base is hooked to the same.

2,499,104
COUPLING
Robert Lovell, Nutley, N. J., assignor to The Nylok Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1947, Serial No. 738,589
3 Claims. (Cl. 285—86)



1. As an article of manufacture, a hollow, internally threaded coupling member having a radial hole in the side wall thereof, and a nonmetallic, resilient insert within the hole in the side wall, the resilient insert being restrained against lateral and outward movement and extending inwardly beyond the root of the thread, whereby upon engagement with an externally threaded, mating coupling member, the members are displaced transversely of the axis thereof and a frictional, locking engagement is effected between the threads of the members.

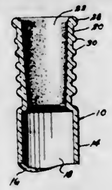
2,499,105
APPARATUS FOR DETERMINING INITIAL BOILING POINT OF LIQUIDS
William M. Mercer, Los Angeles, Calif.
Application September 17, 1945, Serial No. 616,884
10 Claims. (Cl. 73—17)



9. In an apparatus for continuously determining the initial boiling point of a liquid mixture, a vessel adapted to receive a sample of the mixture, a metered liquid inlet for the vessel, a metered vapor outlet for the vessel, a float valve to maintain a pool of liquid within the vessel and to regularly eject a portion of the liquid, a thermal transfer mechanism for the vessel, a pressure responsive control for the thermal transfer mechanism whereby excessive pressure causes subtraction of heat and deficient pressure causes addition of heat, and a temperature indicator for the vapor within the vessel.

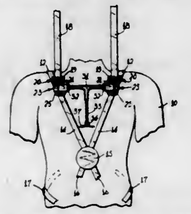
2,499,106
MULTIRING STANDARD TAPER GROUND GLASS JOINT
Joseph E. Metzkier, Cliffside Park, N. J.
Application July 29, 1947, Serial No. 764,320
1 Claim. (Cl. 285—161)

In combination a pair of glass tube sections, a coupling therefor comprising an outwardly tapered plug at the end of one section, an outwardly flared socket at the end of the second section to receive said plug portion and engage the surface thereof to form a fluid-tight joint in cooperation therewith, a plurality of rings extending outwardly from the exterior surface of said second section and spaced over the area of the socket, said ribs



being of graduated and diminishing height in the direction of the open socket end and providing at their apices a clamp-mounting surface which in aggregate is of substantially constant diameter.

2,499,107
PARACHUTE RELEASE DEVICE
Daniel Miller, Brooklyn, N. Y.
Application January 10, 1948, Serial No. 1,620
5 Claims. (Cl. 244—151)

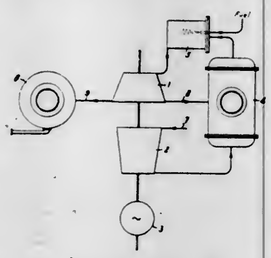


1. In a parachute having a body harness including spaced breast straps and a canopy having depending shroud straps, means releasably connecting the bottom ends of the shroud straps to the breast straps, comprising a casing fixedly secured to each of the breast straps and formed with a slot which opens to the top face thereof, a coupling member mounted on the bottom end of each of the shroud straps, said coupling members being formed with depending blade-like bottom portions received in the slots of said casing, said bottom portions being formed with apertures, said casings being formed with inwardly extended bores aligned with the holes of said bottom portions when inserted into said slots, spring pressed plungers slidably disposed within said bores and having their outer ends projecting through said apertures retaining said coupling members connected with said casings, and manually controllable means for withdrawing said plungers from said apertures freeing said coupling members for separation from said casings.

2,499,108
ARRANGEMENT FOR THE UTILIZATION OF TURBINE EXHAUST GASES IN STEAM GENERATORS AND AIR PREHEATERS
Hans Pfenninger, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application June 11, 1946, Serial No. 676,062
In Switzerland June 21, 1945
4 Claims. (Cl. 60—2)

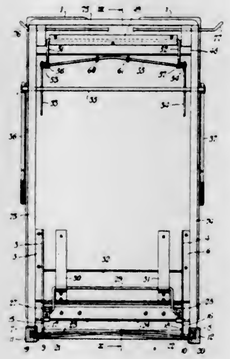
1. In a system for generating power including a gas turbine plant comprising coupled turbine and compressor units and a steam plant comprising a boiler unit, a pair of branch pipes con-

nected to the exhaust gas outlet of the turbine unit of the gas turbine plant for dividing the exhaust gas into two streams, a pair of heat exchangers supplied respectively by said branch pipes, one of said heat exchangers serving as a



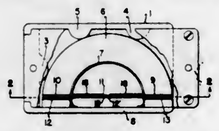
preheater for compressed air from the compressor unit of the gas turbine plant and the other to produce steam in the boiler unit of the steam plant, and valve means associated with each of said branch pipes for regulating the flow of exhaust gas therethrough.

2,499,109
GARMENT PRESSER AND STRETCHER
Percival Frederick Read, Slough, England
Application December 11, 1946, Serial No. 715,372
In Great Britain December 14, 1945
8 Claims. (Cl. 223—61)



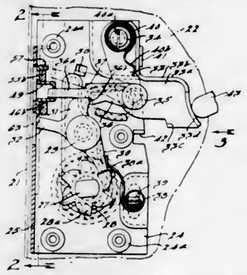
1. In a press and stretcher for the purpose described the combination comprising two angle irons secured to the lower end of the press and stretcher in spaced relation, each of said angle irons having a notch in the lower end thereof, a footpiece, two feet secured one to each end of said footpiece, each of said feet having a recess therein and a notch in the lower end thereof, and two spring metal rods, one of said rods engaging at one end with the recess in one of said feet, then engaging with the notch in the adjacent angle iron and the other end of the said rod engaging with the notch in the lower end of the other angle iron, the other of said rods engaging at one end with the recess in the other of said feet, then engaging with the notch in the adjacent angle iron and the other end of said last mentioned rod engaging with the notch at the lower end of the first angle iron.

2,499,110
MAGNETOSTRICTIVE PHONOGRAPH PICKUP UNIT
Stanley R. Rich, Cambridge, Mass., assignor to Tobe Deutschmann, Canton, Mass.
Application May 15, 1946, Serial No. 669,777
5 Claims. (Cl. 179—100.41)



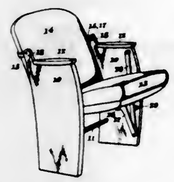
2. A pickup device comprising a magnet having poles at opposite ends, said poles having slots across their faces near their ends, a magnetostrictive wire having return bends at each end adapted when twisted torsionally with respect to its length to position the ends to engage said slots and be firmly held therein, a short tube attached substantially at the mid-point of said magnetostrictive wire, a stylus wire having one end engaging the open end of said tube and held thereby, and a coil surrounding said magnetostrictive wire at each side of said stylus wound in opposite sense.

2,499,111
DOOR LOCK
John H. Roethel, Detroit, Mich.
Application June 24, 1949, Serial No. 101,147
7 Claims. (Cl. 292—280)



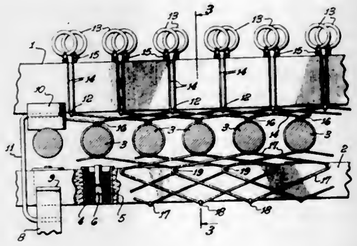
5. In a latch mechanism for a swinging door, a support having a plate portion for disposition at the door jamb and having a flange extending from the inner edge of said plate portion, a rotatable latch device mounted on said plate portion, detent means pivotally mounted on said plate portion for holding said latch device in latching position, outer manually operable means for pivotally actuating said detent means to disengage the same from said latch device and including a lever pivotally mounted on said plate portion and having a part movable toward said flange upon swinging said lever, a vertically shiftable member mounted on said flange, pivotally mounted link means connected at opposite ends to said lever part and said shiftable member, and inner manually operable means for shifting said member vertically in one direction to swing said link means into one position in which said lever is free to be swung to move its said part toward said flange, said inner manually operable means being operative to shift said member vertically in the opposite direction to swing said link means into a blocking position with respect to said lever, and means on said plate portion for blocking said link means and thereby causing said link means to block said lever in said blocking position.

2,499,112
RETRACTING TYPE THEATER CHAIR
John J. Roman, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 2, 1946, Serial No. 687,936
2 Claims. (Cl. 155—116)



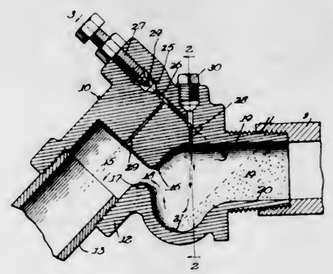
1. In a chair, spaced upright chair-supporting standards, arm rests on said standards, horns on the standards extending upwardly therefrom and rearwardly of the arm rests, a back, means for mounting said back on the standards comprising brackets secured to the upper part of the back and having forwardly extending arms pivotally connected to the horns on the standards, seat carriers having their rearward ends pivotally connected to the back at its opposite sides below the pivotal connections of said brackets to the standards, said seat carriers having leg portions depending from their forward ends to points near the bottom of the standards, a seat mounted on the seat carriers, and links swingably depending from the upper and forward portions of the standards and having their lower ends pivotally connected to the lower ends of the seat carriers' depending leg portions.

2,499,113
SUSPENSION FOR MUSICAL RESONANT BARS
Paul Henry Rowe, Los Angeles, Calif., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif., a corporation of California
Application July 8, 1948, Serial No. 37,719
6 Claims. (Cl. 84—403)



1. In an apparatus of the class described: a series of closely spaced resonant bars; substantially horizontal suspension cords for each bar, extending at right angles to the axis of the bar and tangentially to the upper surface thereof; and means for anchoring these suspension cords on each side at a point horizontally spaced beyond the adjacent bar, thereby providing a free suspension string having a total free length of substantially three times the center-to-center spacing of the tone bars; said anchor points for the suspension string being located in a plane somewhat above the top surface of the tone bar so as to provide clearance between the supporting string of any bar and the adjacent tone bar; another cord attached to the bar near the bottom surface of the bar and supported in a similar manner to the first mentioned cords, but with the anchor points placed below the bar so as to provide necessary clearance with adjacent bars, said lower cord providing a downward tension on the bar.

2,499,114
RAIL SANDING DEVICE
Frank E. Saari, Chicago, and Grant V. W. Roth, Evanston, Ill.
Application June 26, 1946, Serial No. 679,450
2 Claims. (Cl. 291—11)

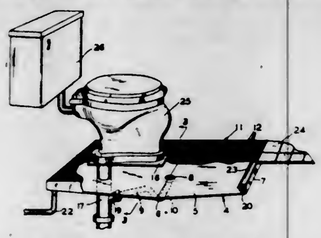


1. A trap for sanding rails comprising: a casing including a substantially horizontal inlet leg provided with means for connecting to the side of a sand dome, a downwardly inclined outlet leg provided with an outlet chamber, a downwardly inclined delivery pipe leading from said outlet chamber, the inlet leg having a sanding conduit with a substantially horizontal portion extending inwardly from its outer end, upper and lower ledges forming a Venturi opening between the outlet chamber and said conduit, the casing being provided with a concave pocket extending below and merging onto the inner end of the bottom of the horizontal portion of the conduit, and merging upwardly into the lower ledge, the top of the horizontal portion of the conduit merging downwardly into the upper ledge, means for delivering a jet of air under pressure from the top of and across said conduit, and directing it to a portion of the pocket which is curved to deflect sand toward the Venturi opening and away from the inner end of the bottom of the horizontal portion of the conduit, and means for delivering a jet of air into the outlet chamber for projecting the sand from the outlet chamber through the discharge pipe.

2,499,115
FLOOR DRAIN FOR TOILET FIXTURES
Agnes Shobe, Bismarck, N. Dak.
Application January 29, 1947, Serial No. 724,969
9 Claims. (Cl. 4—99)

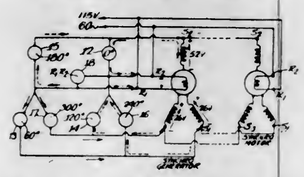
1. In a toilet structure, a floor pan having a drain outlet, a grill supported by and lying over the upper portion of said pan, a toilet fixture support carried by said grill, a waste pipe section secured to and supported by said fixture support,

and a floor pan outlet pipe connected to said pan outlet and to said waste pipe section to provide



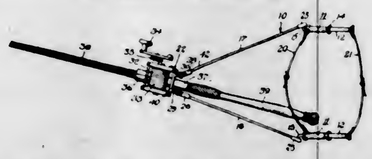
a unitary drain pan, grill, waste pipe section and pan drain pipe assembly.

2,499,116
TESTER FOR SELF-SYNCHRONOUS SYSTEMS
Kenneth A. Simons, Bryn Athyn, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1946, Serial No. 642,691
6 Claims. (Cl. 177—311)



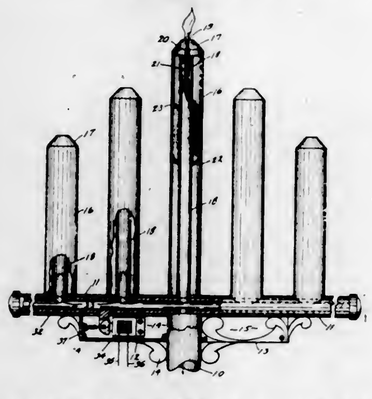
1. A testing unit for self-synchronous systems, comprising a scale graduated in angular degrees, a plurality of lamps arranged respectively opposite selected graduations, means to mount said lamps for visual inspection, a plurality of electrical circuits respectively including the three stator windings of a Synchro generator, and an energizing circuit including the rotor of said generator, each of said electrical circuits including certain of said lamps and being energized by the voltage applied to said rotor combined with the voltages induced in said windings, said circuits being so arranged that the voltage induced at each angular position of said rotor corresponding to said selected graduations being applied to the lamps opposite any given graduation is a maximum when said rotor is in a corresponding position, whereby the position of said rotor with respect to said windings can be checked for accuracy.

2,499,117
FISHING HARNESS
Arthur B. Smith, Bay Shore, N. Y.
Application November 25, 1947, Serial No. 787,894
5 Claims. (Cl. 224—5)



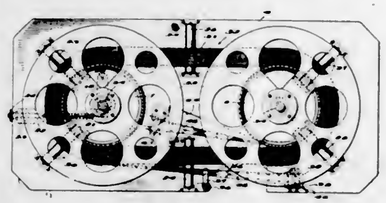
1. The combination with a fishing rod, of a harness adapted to fit on the shoulders of the user, forwardly and downwardly converging rigid braces arranged between the rod and the shoulder portions of the harness, means carried by the fishing rod which are pivotally connected with the adjacent lower ends, respectively, of said braces, and the upper ends of the braces pivotally connected with shoulder portions, respectively, of the harness.

2,499,118
AUTOMATIC CANDELABRA
David G. Sipes, Struthers, Ohio
Application April 9, 1949, Serial No. 86,460
5 Claims. (Cl. 67—3)



1. An automatic candelabra including a support member, at least one tubular cross piece and at least one simulated candle positioned thereon, an oil reservoir and a wick in the said simulated candle and an electrical igniter in the simulated candle in proximity to the said wick, and a passageway communicating with the said cross piece and a vacuum pump in communication with the said cross piece, and a valve in said cross piece normally closing communication between the cross piece and the passageway.

2,499,119
FEEDING AND TENSIONING MEANS FOR CONTINUOUS FILM
James H. Smith and Donald F. Smith, Northport, N. Y.
Application May 28, 1948, Serial No. 29,708
5 Claims. (Cl. 88—18.7)



1. In a mechanism of the character described, a substantially horizontal base plate, means arranged at the bottom of the plate for supporting the same on a moving picture projector or the like, first and second rotatable drums arranged

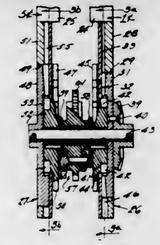
in spaced relation above the plate and adapted to receive a loop formed of a plurality of convolutions of a web of photographic film which is wound about the drums, a first vertical shaft fixed to the first drum and extending through the base plate, means arranged below the base plate for driving the first shaft, a second shaft extending through the base plate, the second drum being rotatable about the axis of the second shaft, the base plate having an opening therethrough through which the second shaft extends to allow the second shaft to move toward and away from the first shaft, a lever pivotally connected to the base plate and through which the second shaft extends, spring means connected to the lever for yieldingly urging the second shaft away from the first shaft, manually operated means operatively connected to the spring means and to the base plate for adjusting the spring means, a guide operatively connected to the plate for guiding the film web from the projector onto the outer side of said loop as the web travels around the second drum, another guide arranged beneath the plate to receive the web from the periphery of the first drum as the film moves toward the projector, said plate being provided with means to permit the web to travel through the plate from the first drum to the last-mentioned guide.

2,499,120
PRODUCTION OF HEXACHLOROCYCLOHEXANE
Dean B. Stormon, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application May 20, 1947, Serial No. 749,366
6 Claims. (Cl. 204—163)

1. A process for the production of hexachlorocyclohexane having a high content of the gamma isomer of hexachlorocyclohexane and substantially free of chlorinated substitution products, which comprises mixing liquid benzene and gaseous chlorine in a ratio between approximately 3.0 moles and approximately 5.0 moles of benzene to one mole of chlorine so that no substantial interaction between the benzene and the chlorine occurs during mixing, flowing the said mixture of chlorine and benzene at a space velocity between approximately 0.1 and approximately 0.5 milliliter of effluent liquid per milliliter of reaction space per minute through a reaction zone activated by a source of actinic radiation while the said zone is maintained at a temperature between approximately five degrees and approximately 78 degrees centigrade and the benzene is substantially in the liquid phase, the said reaction zone being of such dimensions that at the selected rate of flow substantially all of the chlorine is completely reacted before leaving the reaction zone, and subsequently recovering hexachlorocyclohexane from the product.

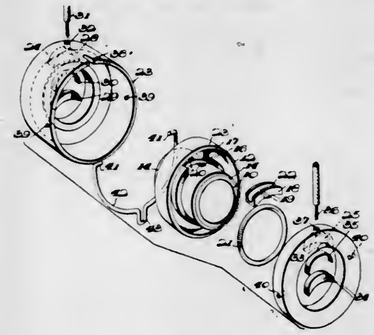
2,499,121
COIN CONTROLLED DEVICE
Linden A. Thatcher, Stamford, Conn., assignor to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware
Application June 8, 1944, Serial No. 539,269
3 Claims. (Cl. 194—1)

1. A multiple coin controlled drive, coin mechanism including a driver and a driven member conditioned for operation when a coin of one denomination is present therein, coin mechanism including a driver and a driven member conditioned for operation when a coin of another denomination is present therein, a common drive for both driver members, and differential means connected with the driven members



of said coin mechanism for simultaneous or independent operation when the drive is actuated.

2,499,122
CENTRIFUGALLY OPERATED SWITCH
Willis Z. West, Jr. and Morgan F. Gamble, Winston-Salem, N. C.
Application July 30, 1948, Serial No. 41,534
7 Claims. (Cl. 200—80)

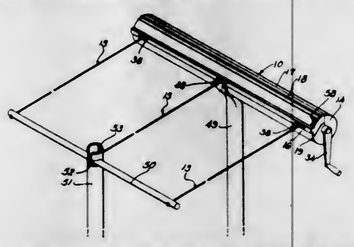


1. A centrifugal force actuated switch comprising an insulated sleeve to be mounted upon an armature shaft or the like, axially spaced slip rings mounted upon the sleeve, an insulating carrier disposed adjacent to the inner ends of the slip rings and rotatable with the insulating sleeve, said carrier having a circumferentially extending main groove passing through one end of the same and terminating short of the opposite end of the carrier and a radial passage leading into the ends of the circumferentially extending groove, the inner ends of the slip rings projecting into the passage, a contact segment arranged within the passage, contacts electrically connected with the slip rings and arranged for co-action with the contact segment, a spring band arranged within the circumferential recess and engaging over the contact element in the passage, the arrangement being such that the contact segment and spring band may be removed laterally through the main groove without disturbing the carrier.

2,499,123
CLOTHESLINE REEL
Leo Raymond White, Long Beach, Calif.
Application February 25, 1946, Serial No. 650,037
7 Claims. (Cl. 242—100)

1. A clothesline reel comprising, a housing having a hinged body section containing line

passing openings, rotatable means for simultaneously winding a plurality of lines mounted in said housing, and means responsive to rotation of said rotatable means for uniformly winding



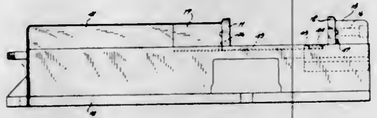
said lines including, a line guide engaging said lines and mounted in said body section for translation, and means operable by rotation of said rotatable means for translating said line guide.

2,499,124

APPARATUS FOR PROTECTING OPERATING PARTS OF VISES FROM CHIPS OR OTHER REFUSE INCIDENTAL TO MACHINE WORK

Drayton C. Zipp and Harold E. Pray, Whitehall, N. Y., assignors to Production Devices Incorporated, Whitehall, N. Y., a corporation of Connecticut

Application May 29, 1947, Serial No. 751,318
3 Claims. (Cl. 81—17)



1. A vise comprising a base having an inverted T-slot, a fixed jaw supported by said base above said inverted T-slot, a carriage having a portion movable over said base and a portion slidably supported by said base in said slot, a jaw secured to said first-named portion of said carriage, said first-named portion having a recess, a felt strip positioned in said recess and held therein by said second-named jaw in contact with the upper surface of said base for movement thereover with said carriage, means for reciprocating said movable carriage and a plate slidably supported in grooves formed in opposite walls of said T-slot below the level of said upper surface of said base and extending between said two jaws and onto a recess in said second-named portion of said carriage, said plate being connected to said carriage in said last-named recess for movement with said carriage.

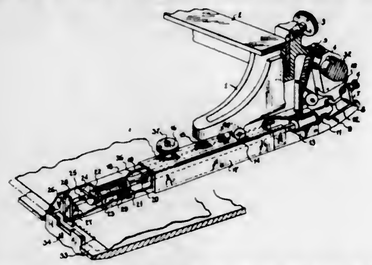
2,499,125

FRONT EDGE DETECTOR MECHANISM

Headley Townsend Backhouse, Wentworth, England

Application August 10, 1948, Serial No. 43,427
In Great Britain August 5, 1947
4 Claims. (Cl. 271—56)

1. In sheet feeding apparatus of the kind described, a fixed support, an extensible supporting arm mounted upon and projecting forwardly from said fixed support, a feeler at the forward extremity of said supporting arm, a transverse oscillating shaft associated with said fixed support, a sensing arm fixed on said shaft, means carried by said supporting arm and comprising an element extending lengthwise of the arm and controlled by said feeler for stopping motion of said sensing arm and its shaft when the feeder fails to present a properly fed sheet to said feeler



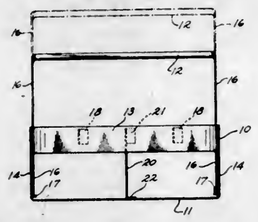
at the correct time in the cycle, and means for determining the effective length of said lengthwise element to correspond with different adjustments of said extensible support arm.

2,499,126

BOTTLE CARRIER

William M. Bassichis, Cleveland Heights, Ohio, assignor to Convenient Carrier Corporation, Cleveland, Ohio, a corporation of Ohio

Application October 4, 1945, Serial No. 620,326
7 Claims. (Cl. 224—48)



1. A bottle carrier comprising a pair of U strips arranged to form a rectangular band designed to encompass a plurality of bottles, a cradle affixed to and depending from the end walls thereof for the support of the base portions of the bottles, the free ends of said U strips being bent inwardly and laterally and constituting rectangular guideways, a bail, vertical arms of rectangular cross section thereon engaged in said guideways, shoulders on the free ends of said arms engageable with the bottom portions of the walls of the U strips that define the guideways, and bottle separators in said rectangular band uniting the opposed side walls thereof, one of said separators uniting the base of the cradle with the side walls.

2,499,127

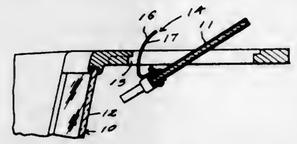
BREEZE DIRECTOR

Noah B. Beard, Oklahoma City, Okla.

Application April 21, 1949, Serial No. 88,737
1 Claim. (Cl. 296—44)

A ventilation control attachment for a motor vehicle having a window opening provided with a ventilator panel adjustable about a vertical axis and mounted in a U-shaped frame, said attachment comprising a longitudinally curved plate disposed with the convex side thereof outermost, a returned flange carried by the inner edge of said plate disposed on the concave side

of the latter, a resilient U-shaped clamp engageable over said frame, inwardly offset means carried by said clamp adapted to engage the opposite faces of said panel, means carried by one leg of said clamp cooperating with said offset means and one of said faces to prevent un-



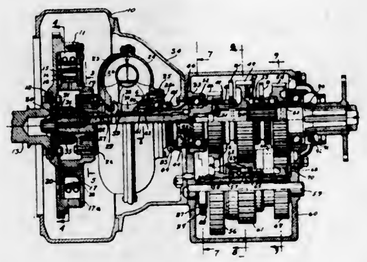
authorized removal of said clamp, and means engaging the other leg of said clamp and said flange for securing said flange to said clamp whereby said plate and flange may be angularly adjusted relative to said ventilator panel to provide for angularly directing the incoming air to selected portions of the vehicle.

2,499,128

TORQUE CONVERTER CONTROL

Renke Brunken, Shaker Heights, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio

Application July 27, 1944, Serial No. 546,891
13 Claims. (Cl. 74—472)



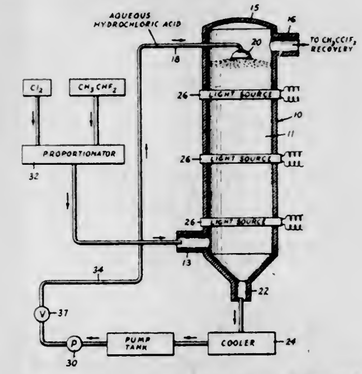
1. In a motor vehicle embodying an engine, a pump driven thereby, a turbine driven by said pump, a gear train associated with said turbine, and a propeller shaft associated with said gear train, mechanism for the automatic connection of said propeller shaft with said turbine under low torque loads and with said gear train under high torque loads comprising a pair of differential gear units coupled respective with said engine and turbine and said propeller shaft and turbine, a governor driven by each of said differential gear units, a governor driven by said propeller shaft, electric switches controlled by each of said governors, a clutch intermediate said propeller shaft and said gear train, fluid actuated mechanism for shifting said clutch into and out of engagement with said gear train, means regulated by the turbine-propeller shaft governor switch for controlling the operation of said fluid actuated mechanism, means regulated by the turbine engine governor switch for throttling said engine, and means regulated by said propeller shaft governor switch for controlling the operation of the clutch shifting switch and the throttle operating switch.

2,499,129

PHOTOCHEMICAL MANUFACTUBE OF 1,1,1-DIFLUOROCHLOROETHANE

John D. Calfee, Manhasset, and Patrick A. Florio, Woodside, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application March 17, 1948, Serial No. 15,344
8 Claims. (Cl. 204—163)



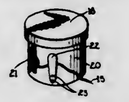
4. The process for preparing 1,1,1-difluorochloroethane which comprises subjecting, in a reaction zone having a gaseous atmosphere, a mixture of ethylidene fluoride and chlorine to actinic radiation to form 1,1,1-difluorochloroethane and gaseous HCl, continuously recirculating through said zone aqueous liquid hydrochloric acid having an HCl concentration not less than 20%, dispersing said recirculated acid in said gaseous atmosphere, regulating the temperature of said acid entering and the quantity of said acid passed through said zone so as to maintain therein a maximum gas temperature less than 150° C. but sufficiently high to cause formation of 1,1,1-difluorochloroethane and so as to maintain aqueous liquid hydrochloric acid discharged from said zone at a temperature appreciably less than the boiling point of the constant boiling HCl-H_2O solution and substantially below the maximum gas temperature in said zone and in the liquid phase, whereby for given operating conditions said acid absorbs substantially no HCl gas formed by said reaction and no great amount of HCl-H_2O vapor mixture is boiled out of said liquid acid into the gaseous atmosphere in said zone.

2,499,130

THREAD HOLDER

Gladys Chase, Peekskill, N. Y.

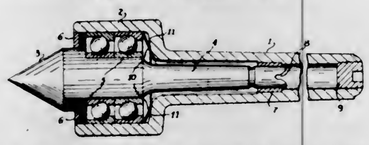
Application October 16, 1947, Serial No. 780,218
5 Claims. (Cl. 242—138)



1. A thread holder comprising a hollow body for containing the thread supply, said body having an open top, a removable cap for closing said top, a slot extending down along said body from its open top to near its bottom for allowing passage therethrough of a length of such thread, and an elongate resilient leaf member secured to

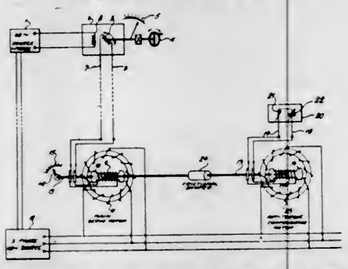
said body at one end thereof for then facewisely lying opposite said body, said member having the major portion of its length spaced laterally from said body and extended substantially parallel with said slot to allow free passage of the thread length between the same and said body, whereby on application of pressure to said member while making use of the thread length for tatting, crocheting or like work said thread length may from time to time as required be clamped behind said member to arrest further feeding of the thread, said slot being formed with an enlargement intermediate its ends and on the side of the slot adjacent said member for continuously guiding the length of thread beneath the major portion of said leaf member which is separated from said body.

2,499,131
LIVE CENTER FOR LATHES, ETC.
Harold J. Coles, Cleveland, Ohio, assignor, by mesne assignments, to Elmer G. Davis, Cleveland, Ohio
Application December 28, 1945, Serial No. 637,510
1 Claim. (Cl. 308—176)



In a device of the class described, the combination of a plain cupped annular resilient element, a wall against which said resilient element is supported at one side thereof, and a bearing means adapted for engagement with the opposite side of said resilient element, said resilient element when in idle condition being fully cupped and having only its inner marginal portion in engagement with said wall and only its outer marginal portion in engagement with said bearing means, and the surface of said wall being inclined outwardly and towards said resilient element so as to prevent the same from being flattened to the extent of dead center.

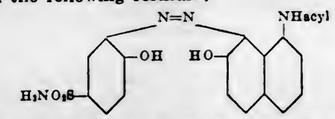
2,499,132
REMOTE SELF-SYNCHRONOUS CONTROL SYSTEM
Austin G. Cooley, New York, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application December 17, 1947, Serial No. 792,313
8 Claims. (Cl. 318—24)



1. Apparatus of the type described, comprising a master shaft, a slave shaft, an alternating current motor which is to be remotely controlled from said master shaft to position said slave shaft, said motor having a single phase rotor and a three-phase stator, a similar auxiliary motor having a single phase rotor and a three-phase stator, means connecting the stator windings of both motors to the same source of three-phase alternating current supply, means connecting the rotor winding of the first motor to a source of adjustable single phase alternating current, and means connecting the rotor of the auxiliary motor to an electrical load network whose impedance is matched with the input impedance to the rotor of the first-mentioned motor.

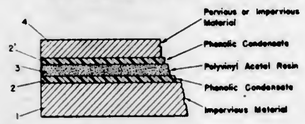
2,499,133
MONAZO DYESTUFF
Karl F. Conrad, Eggertsville, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 18, 1945, Serial No. 635,783
4 Claims. (Cl. 260—151)

1. A dyestuff selected from the class consisting of the mono-azo dyestuffs which correspond with the following formula:



wherein NHacyl is an acylamino radical, and the metal complexes of said mono-azo dyestuffs.

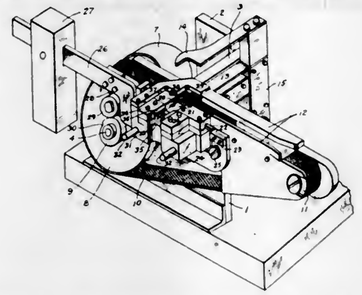
2,499,134
METHOD OF PROVIDING ADHESION BETWEEN SURFACES
Norman Adrian de Bruyne, Duxford, England, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
Application November 29, 1944, Serial No. 565,793
In Great Britain May 4, 1942
12 Claims. (Cl. 154—122)



1. A process for uniting two surfaces which comprises coating the surfaces with an aqueous solution of a heat-reactive phenol-aldehyde condensate, applying to at least one of said coated surfaces, while said phenolic condensate is still tacky, a layer of a polyvinyl acetal resin in comminuted form, bringing the coated surfaces together to form an assembly, and heating and simultaneously pressing said assembly at a temperature above 200° F. until said phenolic condensate is converted to the infusible stage.

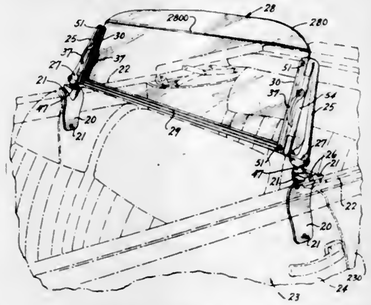
2,499,135
YIELD STRENGTH TESTER
George R. Eckstein, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application May 16, 1946, Serial No. 670,156
14 Claims. (Cl. 73—94)

6. Testing apparatus comprising means to apply a predetermined uniformly divided pressure per unit area to a selected area of the article to be tested; actuating means for said pressure applying means; gauge means responsive to permanent deformation of said selected area arranged to receive said article and determine whether the article has suffered a material



amount of permanent deformation as the result of the application of the test pressure; means for transferring an article from said pressure applying means to said gauge means; and a common operator constructed and arranged for actuating said pressure applying means and said article transferring means in a timed sequence.

2,499,136
REAR SEAT WINDSHIELD FOR CONVERTIBLES
Henry K. Edlund, John G. Monjar, George R. Shuman, and Richard De Tamble, Detroit, Mich., assignors to Tonno-Shield Corporation, a corporation of Michigan
Application August 18, 1948, Serial No. 44,854
20 Claims. (Cl. 296—85)



8. In combination with a convertible having oppositely disposed doors at the sides thereof, a windshield for the rear seat thereof composed of a sheet of transparent material including a frame therefor, a pair of oppositely disposed brackets secured to the side panels of the convertible rearward of the doors thereof, a laterally slidable and pivotally adjustable stanchion fixed on each bracket, and retractable pivot means for hingedly engaging the frame at each side of the windshield to a stanchion normally spring loaded to their retracted position, and manually operable means for engaging the said pivot means and extending the same whereby to establish pivotal anchorage at each stanchion, the said windshield being swingable with respect to either stanchion upon disengagement of the pivot means at the other stanchion whereby to permit ingress and egress at either side of the convertible to the rear seat thereof.

2,499,137
CONCEALED ANTENNA SUPPORT
Milton R. Friedberg and Lewis H. Finneburgh, Jr., Cleveland Heights, and Theodore R. Finke, Euclid, Ohio, assignors to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application May 13, 1947, Serial No. 747,792
4 Claims. (Cl. 250—33)

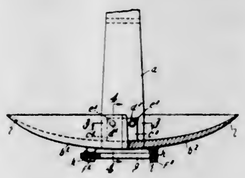


1. A concealed mounting support for an extensible and retractable radio antenna and adapted to extend through an opening in and to be secured to a body panel of an automotive vehicle and comprising, in combination, a base including a pair of separable members adapted to be located respectively on the outer and inner sides of said panel and each provided with an opening adapted to register with said panel opening, a guide sleeve through which said antenna slides and extending through said member openings and of a diameter to have substantial angular adjustment therein relative to said base and projecting beyond said members, an elongated housing of larger diameter than said guide sleeve and surrounding a portion thereof in spaced concentric relationship thereto and extending beyond the inner end of said guide sleeve a substantial distance, an insulating sleeve bushing interposed between said housing and said guide sleeve portion, said housing being provided internally with longitudinally spaced shoulders retaining said bushing in position and with means located intermediate said inner base member and said shoulders and engaging said inner base member, a lead-in bolt and grounding sleeve assembly carried by said guide sleeve and housing and extending through said bushing and operatively interconnecting said guide sleeve and housing, and means threadably carried by said guide sleeve and adjustably engaging the outer base member whereby when said last named means is suitably adjusted said base members will be clamped in position on the panel between both of said means and said guide sleeve and housing will be secured relative to said base in the desired angular relationship thereto.

2,499,138
COLLAPSIBLE MUSHROOM ANCHOR
Leo R. Golding, Boston, Mass.
Application November 13, 1947, Serial No. 785,665
6 Claims. (Cl. 114—208)

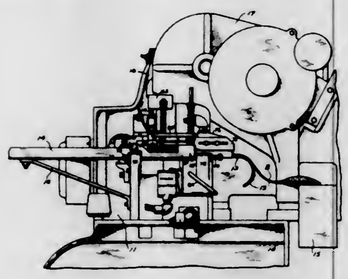
1. An anchor comprising a stock, a head of spheroidal formation connected to the stock, said

head being formed of two sections adapted to abut together on a diametral cleavage plane, each section having lugs embracing the foot portion of the stock at the opposite side of said cleavage



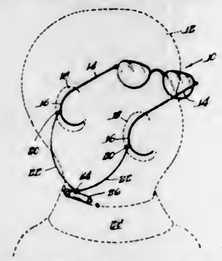
plane from the lugs of the other section, and pivots extending through the lugs of the respective sections and the stock, arranged to permit swinging of the sections between their abutting relationship and positions alongside the stock.

2,499,139
WEB BELT LOADER
Michael J. Grebowiec, Kansas City, Kans., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 4, 1945, Serial No. 620,312
3 Claims. (Cl. 86—48)



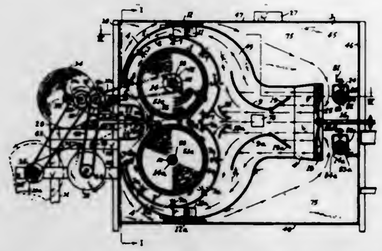
1. In a machine for inserting cartridges into a web belt provided with individual cartridge receiving pockets disposed transversely of said belt: the combination comprising a belt receiving table and support therefor; cartridge inserting means comprising a reciprocating pusher adapted to thrust cartridges endwise over an edge of said belt and into said pockets; means for holding said belt against transverse displacement under the thrust of said pusher comprising a pair of holding feet adapted to engage said belt adjacent said edge thereof and on opposite sides of the cartridge being inserted therein and means for reciprocating said feet toward and away from said belt in timed relation to the movement of said pusher; and belt feeding means comprising a lower notched wheel adapted to partially encircle a cartridge in a pocket in said belt, an upper notched wheel cooperating with said lower notched wheel and rotatably supported in a pivoted arm, and a plurality of spring means associated with said arm and urging said upper notched wheel toward said lower notched wheel.

2,499,140
HOLDER FOR SPECTACLES
Joshua Todd Griffith, Jr., Highland Park, Ill.
Application November 15, 1946, Serial No. 710,181
4 Claims. (Cl. 88—51)



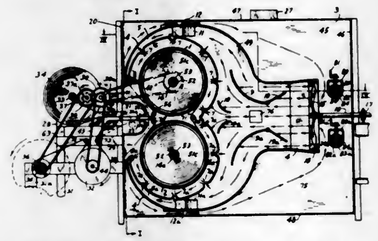
1. In combination with spectacle temple pieces having curved portions adapted to fit around the ears of the wearer, a coupling member associated with each of the curved portions of the temple pieces, a fastening device adapted for attachment to the clothing of the wearer, eyelet means on said fastening device, and an elongated flexible member attached to and extending between said temple piece coupling members and adapted to extend through the eyelet means on said fastening device, said member having a loose longitudinal sliding fit in said eyelet means.

2,499,141
HEAT-TREATMENT OF WEBS OF TEXTILE MATERIALS
Weldon G. Helmus, Ridgewood, N. J., assignor to Fair Lawn Finishing Company, a corporation of New Jersey
Application December 9, 1947, Serial No. 790,679
17 Claims. (Cl. 34—114)



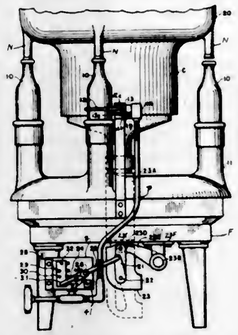
1. Device for the heat setting of textile materials which comprises means defining a heating zone, means defining a predetermined path of travel for a heat settable textile material through said heating zone, means for continuously passing such material through said heating zone along said path of travel in from 1–10 seconds, means for substantially continuously propelling heating gas current of a velocity of at least 400 feet per minute into said heating zone along at least the major portion of said path of travel to impinge substantially uniformly upon the material from at least one side thereof as it is passed through said zone, and means for substantially maintaining the temperature of the impinging heating gas current and the temperature within said heating zone, on substantially all sides of said material, at a predetermined heat setting temperature for said material.

2,499,142
HEAT SETTING OF TEXTILE FABRICS
Weldon G. Helmus, Ridgewood, N. J., assignor to Fair Lawn Finishing Company, a corporation of New Jersey
Application July 14, 1948, Serial No. 38,713
15 Claims. (Cl. 8—130.1)



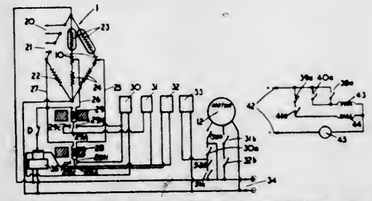
1. Method for the heat setting of heat-settable textile materials which comprises continuously passing a fabric of such a material through a heating zone and substantially continuously directing heating gas current at a velocity of an order of magnitude of at least about 400 feet per minute of a predetermined heat-setting temperature for said material onto the same while traveling through said heating zone and substantially over a length of travel of said material in said heating zone to substantially expose each portion thereof to said heating gas current for from 1 to 10 seconds.

2,499,143
BOTTLE COUNTER
John H. Irons, Middlebury, Conn.
Application July 6, 1946, Serial No. 681,739
2 Claims. (Cl. 235—92)



1. In a mechanism for counting bottles moving in a predetermined path in a bottle-filling machine of the type which has vertically adjustable means for permitting the filling of bottles of different heights; a switch having an actuating lever extending into said path and adapted to be successively engaged by each bottle for operating said switch, a plurality of electro-magnetically operated counter units, means comprising a selector switch for setting said first-mentioned switch selectively in circuit with any one of said counter units, and linkage means for setting said selector switch in accordance with the elevation of said vertically adjustable means, whereby bottles of different heights may be registered respectively upon different counter units.

2,499,144
MEANS FOR REGULATING THE TEMPERATURE OF INTERNAL-COMBUSTION ENGINES
William Michael Jarvis, Farnborough, England
Application February 27, 1946, Serial No. 650,652
In Great Britain February 28, 1945
7 Claims. (Cl. 123—178)



1. Automatic temperature regulating apparatus for an internal combustion engine having a throttle and at least one engine temperature controlling flap, comprising a Wheatstone bridge circuit, a resistance in one branch of said circuit variable in response to engine temperature, and second and third variable resistances in a balancing branch of said circuit, said second and third resistances being variable in response to the positions of said throttle and said flap, and electric motor means operable in response to unbalance of said Wheatstone bridge circuit to vary automatically the position of said flap to balance said circuit.

2,499,145
BAIT RETAINING ATTACHMENT FOR FISHHOOKS
Einar C. Jensen, Waterloo, Iowa
Application December 12, 1947, Serial No. 791,179
1 Claim. (Cl. 43—44.2)



A fishhook provided with a shank having a line engaging eye at one end and a hook at the opposite end in combination with a bait retainer comprising a single strand of resilient material, said strand having hook formations at the free ends thereof and a loop at an intermediate portion of the strand, said loop having eyes at the ends thereof, said eyes being pivotally mounted on the eye of the hook and said loop being in contacting relation with the shank of the hook, the free ends of the strand being normally in overlapping relation and adapted to embrace a bait attached to the hook.

2,499,146
DOWEL PIN
Ernest T. Kindt, Lakewood, Ohio
Application January 24, 1946, Serial No. 643,145
1 Claim. (Cl. 85—42)

A dowel pin for mold boxes comprising a threaded shank, an intermediate shoulder, and a pilot pin extending from said shoulder, said pilot pin having a cylindrical portion adjacent said shoulder merging with a terminal tapered portion, the diameter of the cylindrical portion of said pilot pin being less than that of said shank.

the cylindrical portion of said pilot pin having formed therein four equally-spaced axially-extending grooves, said grooves being substantially V-shaped in section, each of said grooves having planar walls defining an angle of substantially ninety degrees, the opposed walls of adjacent grooves being parallel for reception of the male tangs of a socket wrench, the surface of said



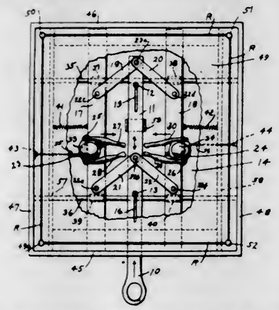
cylindrical portion between the grooves being smooth and uninterrupted to provide a bearing area, the included angle of each groove from the axis of the pin being substantially less than that of each surface between adjacent grooves, said grooves extending into said tapered portion, the walls of said grooves being parallel to the pin axis thereby offering no obstruction to axial entry of the tool tangs therealong.

2,499,147

TOY HAVING MECHANICAL BOXING FIGURES AND OPERATING MEANS THEREFOR

Meyer Land, Hartford, Conn.

Application January 31, 1947, Serial No. 725,694
4 Claims. (Cl. 46—142)



1. In a boxing toy, a miniature square boxing ring, a handle-operated laterally-movable central cross slide located below the floor of said ring, a pair of forwardly and backwardly movable cross bars connected to said central slide by two pairs of toggle links pivoted to each other and to said bars, a pair of stationary longitudinal rods mounted below the floor of said ring and slidably supporting said cross bars at right angles thereto, a pair of boxing figures rigidly secured to said cross bars, and spring means to automatically restore said cross bars and boxing figures to their outermost positions after they have been forced inwardly by the manipulation of said handle.

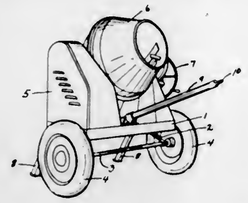
2,499,148

TOWING MEANS FOR TWO-WHEELED VEHICLES

Erich H. Lichtenberg, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application June 11, 1947, Serial No. 753,925
2 Claims. (Cl. 259—176)

1. A two wheel concrete mixing machine of the tow-pole type comprising, in combination, a vehicle frame, an axle connected to the frame, two wheels located at opposite sides of the frame and carried by the ends of said axle for supporting the machine for manual propulsion and when towed by another vehicle, legs rigid with the frame at one end and extending down from the frame to engage the ground when the vehicle is at rest, a concrete mixer and engine unit mounted on the frame in positions such that the weight of the mixer and engine biasses the frame in the direction of the legs and stabilizes the same in a position resting on both the wheels and legs while the vehicle is stationary, a tow-pole on the frame



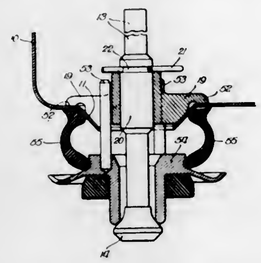
extending from the end of the frame opposite that having the legs and extending transversely to the axle in a vertical plane midway of the planes of the wheels, and attaching means on the frame holding the tow-pole securely thereto in a position in which the tow-pole inclines upwardly and outwardly from the frame in a direction opposite from the legs so that the tow-pole may be downwardly depressed to an approximately horizontal towing position to swing the vehicle about the wheel axis to raise the legs from the ground and distribute the weight of the vehicle in substantial balance fore and aft of the axle during travel of the vehicle.

2,499,149

RECEPTACLE FILLING DEVICE

Adolph J. Lippold, Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation

Application May 4, 1942, Serial No. 441,637
2 Claims. (Cl. 226—124)



1. In a device for filling containers from an apertured reservoir, a valve plug, means for supporting said plug below an aperture in said reservoir, said means including a support spider having a central element located centrally with respect to said aperture in said reservoir, a valve seat element intermediate said plug and said reservoir and adapted to be moved into and out of seating engagement with said plug, resilient means intermediate said reservoir and said valve seat element for biasing said valve seat element toward said valve plug, and guide means carried by said valve seat element extending closely adjacent said central element of said support spider for guiding said valve seat element when moving into and out of engagement with said valve plug and limiting the lateral motion of said valve seat element with respect to said valve plug.

2,499,150

BAG-TYPE CONTAINER AND CLOSURE THEREFOR

Frederick Lobl, Middleboro, Mass.

Application September 13, 1947, Serial No. 773,894
4 Claims. (Cl. 150—8)



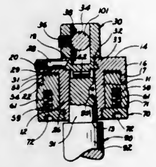
1. A container having two generally oppositely disposed wall portions movable relatively toward and from each other, one of said wall portions having a mouth opening therein, a member permanently supported between said wall portions and movable toward and from each of said wall portions, said member having a closure plug thereon for seating outwardly in said mouth opening of said one wall portion while the other wall portion continues free to spread relatively away from said member.

2,499,151

ADJUSTABLE TOOLHOLDER

Fred A. Maxwell, Bedford, Ohio, assignor to Jack Erwin Maxwell, Bedford, Ohio

Application January 30, 1947, Serial No. 725,406
6 Claims. (Cl. 279—6)



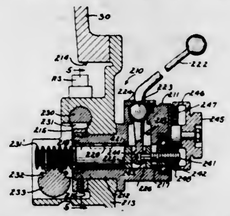
6. An adjustable tool holder comprising an annular body formed for mounting on a torque-exerting part of a machine tool and provided with a substantially diametral way, a tool block non-rotatably mounted in the way and slidable in the way, and an adjusting collar journalled on the body, extending around the periphery of the body, and freely rotatable on the body and formed with a scroll on one end, the tool block having a portion engaging the scroll for adjustment of the position of the tool block longitudinally of the way.

2,499,152

CONTROL MECHANISM FOR MACHINE TOOLS

Everett K. Morgan, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin

Original application January 30, 1943, Serial No. 474,068. Divided and this application October 18, 1946, Serial No. 704,068
4 Claims. (Cl. 74—473)



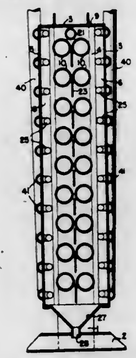
1. Control mechanism comprising, in combination, an axially shiftable control member, a rotatable control member, a common actuator for said members including a rotatably supported housing, a gear fast on said housing engaging rack teeth formed on said axially shiftable control member, a plunger slidable in an axial bore in said housing, rack teeth formed on said plunger engaging gear teeth formed in said rotatable control member, a hand lever operable to rotate said housing and to reciprocate said plunger selectively, an adjustable stop means carried by said housing and positioned to limit the range of movement of said plunger in one direction, and a member rotatably supported on said housing operable manually to adjust the position of said stop.

2,499,153

APPARATUS FOR TREATING LIQUIDS WITH LIGHT RAYS

Emmett Nicholson, Dunedin, Fla., assignor of fifteen per cent to J. Hanson Boyden, Washington, D. C.

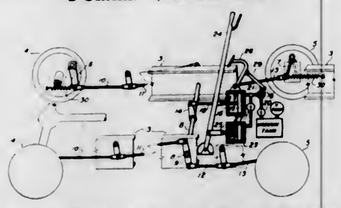
Application June 13, 1947, Serial No. 754,534
12 Claims. (Cl. 250—49)



1. Apparatus for treating liquids by means of light rays comprising a closed cabinet having a frame and side walls, a series of horizontal rollers journalled in said frame, one above the other, means for rotating said rollers, means for causing liquid to be treated to travel in the form of a thin film downwardly over each of said rollers

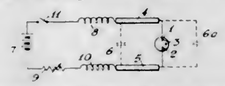
in succession, and a series of ultra-violet lamps mounted on the inside of one of the side walls of the cabinet adjacent said series of rollers, said side wall being hinged to said frame at one edge so that it may be swung to open position to afford access to said rollers.

2,499,154
SPRING APPLIED VACUUM RELEASED BRAKE
Martin E. Nielsen, El Cerrito, Calif.
Application February 1, 1947, Serial No. 725,866
1 Claim. (Cl. 188—170)



In combination with plurality of brakes each having a brake drum and a pair of brake shoes being normally set on the drum, with a brake operating mechanism comprising a vacuum brake cylinder having a piston adapted to slide therein; a vacuum tank connected with said cylinder and adapted to operate said piston; means connecting said piston with the brake shoes; a valve between said cylinder and said vacuum tank adapted to connect said cylinder with the vacuum tank or with the atmosphere; said piston being adapted to actuate said brake shoes to release the brakes when said cylinder is connected with the vacuum tank; an emergency cylinder connected with the first cylinder; and means for creating vacuum in the emergency cylinder.

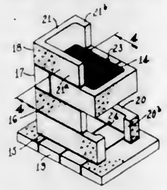
2,499,155
HIGH-FREQUENCY CURRENT GENERATOR
Hugh J. O'Neil, Bay City, Mich., assignor of one-third to Bernard E. O'Neil and one-third to James R. O'Neil, both of Bay City, Mich.
Application June 30, 1947, Serial No. 757,990
11 Claims. (Cl. 250—17)



3. An oscillation generator for generating high frequency oscillations comprising an ionic discharge device, said device having two electrodes at least one of which is coated with a metallic oxide film, a portion of the current-voltage characteristic of said film being non-linear, a resonant circuit and means for applying to said ionic discharge device through said resonant circuit a unidirectional voltage of sufficient value to cause said film to operate in the non-linear portion of the current-voltage characteristic of said film.

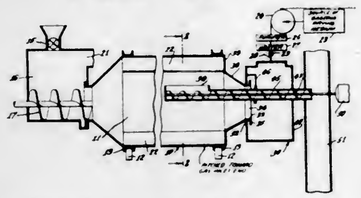
2,499,156
FIREPLACE
Philip Paolella, Hamden, Conn., assignor to Plasticrete Corporation, Hamden, Conn., a corporation of Connecticut
Application April 11, 1946, Serial No. 661,269
4 Claims. (Cl. 126—9)

3. A fireplace structure intended for outdoor use and for erection by the casual purchaser at the place of use without the employment of mortar or cement, comprising a body of rectangular shape having a flue communicating with an open top and a lower draft opening in one of the shorter sides, said body having a lowermost course formed of two identical angular blocks providing a portion of the flue and providing between them the aforesaid draft opening, the body also comprising upper courses each formed of two identical



angular blocks, the last-named blocks having body portions extending across the width of the body and also having angularly set terminals of unequal length and being in staggered relationship in said upper courses, the terminals being in abutting relation at the longer sides of the body so as to close the flue along the longer sides, all of the blocks being free of connection with each other and maintaining their assemblage by their weight.

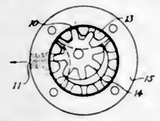
2,499,157
APPARATUS AND METHOD FOR DRYING SOLID MATERIAL
John E. Peirce, Arlington, N. J., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application July 14, 1945, Serial No. 605,142
3 Claims. (Cl. 34—137)



1. Apparatus for treating solid material at least some of which exists as dust when in the treated condition, which apparatus comprises a rotary drum forming a treating chamber and having a material inlet-gas outlet end and an oppositely disposed material dicharge-gas inlet end, means for introducing solid material to be treated into said material inlet end of said chamber, means for moving the material thru said chamber to said gas inlet end, an annular wall fixed at its outer periphery to said gas-inlet end of said drum, a frusto-conical section of substantial axial length having open ends one of which is larger than the other, the large end of said section being fixed to the inner periphery of said wall, and the small open end of said section having a cross-sectional area not more than one-third that of said chamber, said section forming a gas inlet chamber for said treating chamber, a gas reservoir chamber communicating with the small end of said section and associated therewith by a non-gas-tight eccentric-motion-permitting joint, means for supplying treating gas to said reservoir chamber under positive pressure to thereby supply gas under positive pressure to said

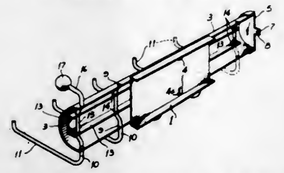
gas inlet chamber and to said treating chamber, and means for discharging treated material from said treating chamber thru said gas inlet chamber while out of contact with a gas stream passing thru such inlet chamber.

2,499,158
WIDE INLET ROTARY PUMP FOR CIRCULATING LIQUIDS UNDER VACUUM
Edmond S. Perry, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 14, 1946, Serial No. 703,208
3 Claims. (Cl. 103—126)



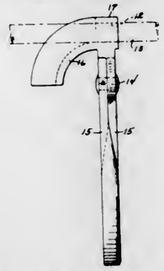
2. In a system for handling liquid material under high vacuum conditions, the combination with an evacuable chamber adapted to contain liquid material, of a gear pump assembly comprising intermeshing rotatable gear means, a housing enclosing one lateral face and the peripheral extent of said gear means, an outlet port in said housing adjacent the periphery of said gear means, and head plate means enclosing not less than 25% and not more than 85% of the other lateral face opposite to said one lateral face of said gear means in a zone adjacent said outlet port, said chamber having an outlet opening in a lower portion thereof of substantially the same cross-sectional area as the unenclosed portion of said other lateral face of said gear means, said housing being secured to said chamber in liquid-tight relation with said outlet opening in said chamber coinciding with said unenclosed portion of said other lateral face providing direct communication between said chamber and said gear means.

2,499,159
NECKTIE RACK
Philip Pestyner, Jamaica, N. Y.
Application May 15, 1946, Serial No. 669,845
4 Claims. (Cl. 211—96)



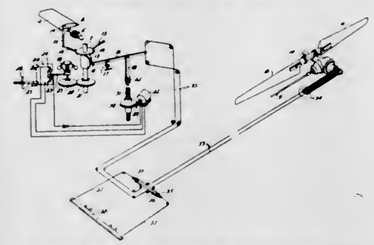
4. A necktie rack comprising: a hollow casing having an open back provided along its back edges with pairs of vertically alined bearings in a wall of the casing, a back plate abutting the edges of the wall of the casing and connected to the casing, a plurality of the tie supporting members each embodying a tie supporting arm positioned exteriorly of the casing and having a shank journalled for oscillation in the corresponding pair of upper and lower bearings and offset in relation to the shank between said bearings to form a crank within the casing, and an arm actuating member within the casing having bearings pivotally engaged with the cranks of said shanks to secure them together for simultaneous operation, said arms being simultaneously movable from positions substantially perpendicular to the back plate into positions substantially parallel thereto and vice versa.

2,499,160
PLIER TUBE BENDER
Henry Pfeiffer, Fredericksburg, Tex.
Application September 8, 1947, Serial No. 772,752
1 Claim. (Cl. 81—15)



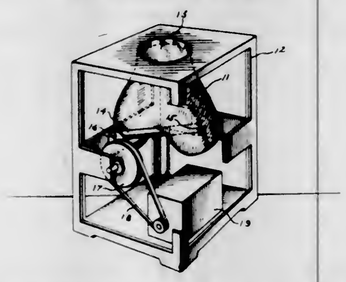
A bending plier comprising a pair of curved handles, semi-cylindrical jaws on said handles and said handles hinged together so that when said handles are moved toward each other said jaws are adapted to surround a pipe or rod to be bent, and curved extensions extending from the sides of the respective jaws and grooved to receive the pipe or rod as it is bent downwardly from its connection with the jaws whereby to provide a bend in the pipe or rod, said curved portions being open at the top to permit the extension of the pipe or rod downwardly over the curved extensions and into the grooves thereof.

2,499,161
ROTATIVE WINGED AIRCRAFT CONTROL
Harold F. Pitcairn, Bryn Athyn, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Original application May 15, 1944, Serial No. 535,632. Divided and this application May 31, 1946, Serial No. 673,473
3 Claims. (Cl. 170—135.22)



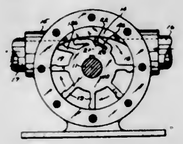
1. In an aircraft having a sustaining rotor and an airscrew, means for varying the pitch of the rotor, means for varying the pitch of the airscrew, and mechanism for concurrently actuating said two means comprising a governor device responsive to variation in rotor R. P. M., and a lever pivoted intermediate its ends and pivotally movable by said governor device, the means for varying the rotor pitch being connected with said lever toward one side of its pivot and the means for varying the airscrew pitch being connected with said lever toward the other side of its pivot.

2,499,162
WASHING MACHINE
Henry J. Rand, Westport, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio, a corporation of Delaware
Application August 9, 1946, Serial No. 689,571
2 Claims. (Cl. 68—96)



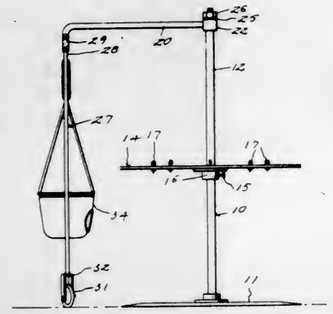
1. In a washing machine, a vertically upstanding frame, a flexible air and watertight container attached to the upper portion of said frame, said container having an opening at its upper end for the insertion of clothes to be washed, and eccentric means to agitate said container comprising a drive wheel, and an agitator member adapted to contact the bottom portion of said container, said container being positioned to overhang said member on each side thereof, said member being pivoted at one end in said frame, the other end of said member being eccentrically mounted on said drive wheel.

2,499,163
ROTARY PUMP
Henry J. Rand, Bratenahl, Ohio, assignor to H. J. Rand Washing Machine Corp., New York, N. Y., a corporation of Delaware
Application January 31, 1948, Serial No. 5,622
6 Claims. (Cl. 103—117)



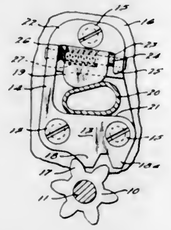
1. In a rotary pump of the type having a housing providing a generally cylindrical chamber, said housing provided with spaced inlet and outlet, having a cam surface on the inside of said housing between said inlet and outlet, having a rotor concentric with said housing chamber, said rotor having a plurality of flexible vanes projecting from the rotor body to touch said housing, said rotor body being spaced from said cam surface by an amount less than the length of said vanes and so spaced as to collapse said vanes in extreme proximity to said rotor body upon depression by said cam surface, whereby said vanes are flexed against said cam surface adjacent said outlet to eject fluid, means for rotating said rotor, the free edges of said vanes being bulbous, and the edge of each vane flexed toward said rotor body by said cam surface being flattened, whereby to avoid formation of a substantially closed pocket between said vane and rotor body when said vane is flexed.

2,499,164
BABY EDUCATOR
Clarence M. Richardson, Cleveland, Ohio
Application January 16, 1947, Serial No. 722,417
2 Claims. (Cl. 155—23)



1. An infant walker of the kind described comprising a table and an infant supporting carriage rotatable about the periphery of said table by the infant, said table comprising a base, a table surface spaced upwardly from said base, said carriage comprising an inverted U-shaped frame, a seat resiliently supported in said frame depending from the bight portion thereof and spaced from the side arms, and means connecting said frame and said table for movement of said carriage peripherally about said table by the infant.

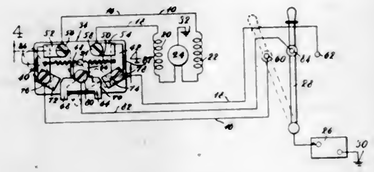
2,499,165
LATCH BOLT KEEPER
John H. Roethel, Detroit, Mich.
Original application February 10, 1949, Serial No. 75,523. Divided and this application September 19, 1949, Serial No. 116,499
2 Claims. (Cl. 292—341.12)



1. A keeper structure adapted to be fastened to a body for cooperative engagement with a pair of relatively fixed vertically spaced door abutment members carried on a swinging door, comprising a unitary generally C-shaped body having upper and lower generally horizontal body portions spaced apart vertically to provide an opening closed at its inner side by a vertical portion of the body rigidly connecting said upper and lower spaced portions, a wedge, means slidably mounting said wedge within said opening below the lower surface of said upper body portion, and spring means urging said wedge outwardly,

the upper surface of said lower body portion opposite said wedge providing a surface upon which the upper of said door abutment members is slidable between such surface and wedge in wedging relation thereto, the lower side of said lower body portion having depending, spaced, tooth-like projections for cooperation with the lower of said door abutment members, said projections and said upper and lower surfaces being held by said body in fixed vertically spaced relation.

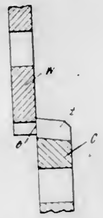
2,499,166
ELECTRICAL SWITCH MECHANISM
Robert C. Russell, Cleveland, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 1, 1947, Serial No. 765,343
9 Claims. (Cl. 318—267)



1. An electrical system for controlling the operation of a reversible electric motor shifting apparatus having a free wheeling type of ball nut-screw mechanism as a part thereof comprising a pair of electrical circuits connected in parallel with the motor for operating the motor in both directions of rotation, a source of electrical power for the circuits, a switch mechanism arranged in the circuits comprising a pair of spaced make and break switches one for each circuit and a pivotal electrical current conductor to be alternately engageable therewith and a manual control member connected to the source of electrical power for alternately connecting the circuits directly with the source of power through the make and break switches or through the pivotal current conductor, said make and break switches adapted to be engaged by the nut member of the shift apparatus at the extreme end shift movements of the shift apparatus and the current conductor adapted to be engaged by the nut member for an intermediate shift or neutral operation.

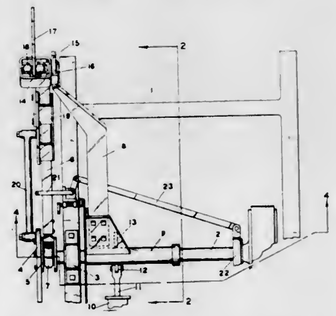
2,499,167
METHOD OF FINISHING GEARS
George H. Sanborn, Royal Oak, Mich., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application February 8, 1945, Serial No. 576,805
9 Claims. (Cl. 90—1.6)

1. The gear finishing method which consists in placing in mesh with, and cutting relation to, a gear to be finished, a cutter having peripheral teeth similar to the teeth of a gear conjugate to the gear to be finished, the said cutter teeth each having lateral faces at opposite sides, both of which intersect the end face at angles smaller than right angles and forming cutting edges at such intersections, the axes of the gear and cutter being parallel, rotating the gear and cutter about their respective axes in relatively opposite directions of rotation at speeds inversely proportional to their respective numbers of teeth by external force simultaneously applied to both, and effecting a relative axial reciprocation between the cutter and gear at a ratio within the range



of from one half to two and one half rotations of the work to one reciprocation.

2,499,168
DRAGSAW
Clyde Schurman, Woodland, Wash.
Application August 26, 1946, Serial No. 693,038
2 Claims. (Cl. 143—63)

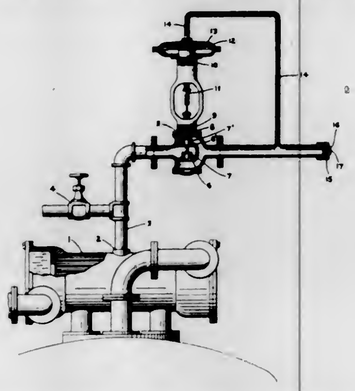


1. A drag saw mechanism, comprising a drive shaft, an eccentric on the shaft, a bar connected to and extending from the eccentric, a cross head slidably mounted on the bar, a saw blade secured to the cross head, a crank on the shaft, a rod connecting the crank and the cross head, to reciprocate the cross head, a guide mounted on the cross head, a sleeve on the shaft, an arm secured at one end to the sleeve and having its opposite end slidably extending through the guide on the cross head, and means for rocking the sleeve for raising and lowering the saw blade through movement of the arm in the guide.

2,499,169
VARIABLE PRESSURE VENT CONTROL
Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application September 11, 1948, Serial No. 48,915
4 Claims. (Cl. 257—2)

1. In a variable pressure vent control for feedwater heaters, deaerators and the like, the combination with a vent condenser having at least one outlet for steam, air and non-condensible gas mixtures, of vent piping connected to said outlet, an auxiliary vent connected to said vent piping to allow venting of gases and vapors directly to atmosphere, a manually controlled valve in said auxiliary vent, means connected to said

vent piping for controlling the pressure of said gas vapor mixture, and means connected to said



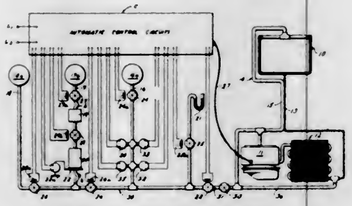
vent piping coacting with said pressure controlling means for venting gases to atmosphere.

2,499,170

CHARGING APPARATUS

Malcolm G. Shoemaker, Doylestown, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application October 15, 1947, Serial No. 780,082
14 Claims. (Cl. 62—115)



1. In apparatus for charging refrigeration systems, receptacle means, means adapted to supply to said receptacle means charge constituents, means for measuring the quantity of constituents supplies, apparatus automatically responsive to supply of predetermined quantities of said constituents to provide for delivery of said constituents to an associated system being charged, and instrumentalities adapted to initiate operation of the associated system to draw residual portions of said constituents from the receptacle means and into the system.

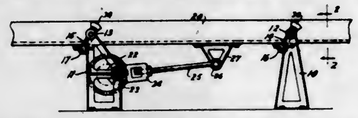
2,499,171

APPARATUS FOR CONVEYING LOOSE MATERIALS

Alfred D. Sinden, Aurora, Ill., assignor to Stephens-Adamson Mfg. Co., a corporation of Illinois

Application December 20, 1947, Serial No. 792,936
3 Claims. (Cl. 198—220)

1. In a device of the class described, a table, links suspending and guiding the table for oscillatory movement along an arcuate path, and means to oscillate the table back and forth a greater distance forward from the vertical position of the links and a lesser distance backward from the vertical position of the links whereby at a predetermined speed of operation the table



will commence downward and forward movement at a time when that movement substantially coincides, in direction, with the trajectory of the material projected from the table on a previous forward and upward movement.

2,499,172

PROCESS FOR CONVERTING LOWER-BOILING KETONES INTO HIGHER-BOILING KETONES

Everet Foy Smith, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application February 9, 1946, Serial No. 646,720
14 Claims. (Cl. 260—593)

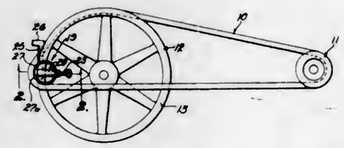
1. A process for producing ketones from lower-boiling saturated aliphatic ketones which comprises heating the lower-boiling saturated aliphatic ketones with hydrogen in the presence of an alkaline condensation catalyst and a hydrogenation catalyst consisting of palladium.

2,499,173

POWER TRANSMISSION BELT GUIDE

Daniel H. Taylor, South Pasadena, Calif.

Application August 25, 1947, Serial No. 770,341
12 Claims. (Cl. 74—242.7)



1. A guide for applying a tensioned endless belt to a sheave wheel having a peripheral recess, comprising an elongated guide blade positioned so that one side face of the blade engages and guides the belt into said recess, means for attaching said blade to the wheel with the opposite side face of the blade engaged against the wheel at one side of said recess, and means for guiding the belt into the recess so that the belt traverses the outer edge of the blade.

2,499,174

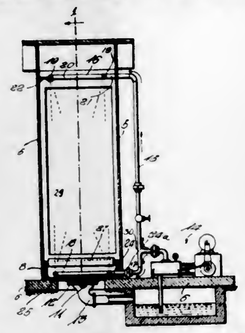
CATTLE TREATING APPARATUS

James Paul Turner, Sylvester, Tex.

Application September 30, 1944, Serial No. 556,570
1 Claim. (Cl. 119—159)

In a cattle spraying apparatus having a foundation provided with an opening therein, an enclosure supported by the foundation, pipes within the enclosure supported adjacent the top thereof and having vertical and diagonal ports for discharging vertically and angularly, the improvement comprising a pan stably supported by the foundation and provided with a drain above the

opening in the foundation, pipes located within said pan adjacent the base thereof having ports for discharging vertically and angularly, a reservoir, a pipe connected with said drain and in communication with the reservoir, a circulating



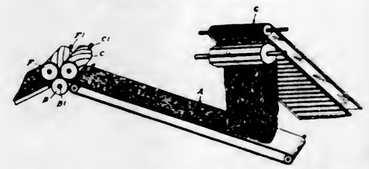
pipe connected to the pipes within the enclosure, a second circulating pipe connected with the pipes in said pan, pump means drawing from the said reservoir, and a connection between said first and second named circulating pipes and the pump means.

2,499,175

PROCESS FOR CONVERTING FIBROUS MATERIAL TO BE PROCESSED IN THE WOOLEN SYSTEM

Robert C. Wilkie, Andover, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts

Original application January 20, 1944, Serial No. 518,973. Divided and this application February 7, 1946, Serial No. 646,030
6 Claims. (Cl. 19—65)



4. In the woolen system of processing, the step in the conversion of fiber stock into noil-like material which consists in cutting a mat of raw stock into diamond-shaped pieces both crosswise and lengthwise of said mat.

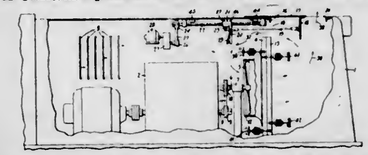
2,499,176

RADIATOR COOLING SYSTEM, TEMPERATURE CONTROL

Robert W. Barrell, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application September 20, 1946, Serial No. 698,331
26 Claims. (Cl. 123—178)

10. A fluid cooling system including a heat exchanger for cooling fluid in said fluid cooling system, means including an enclosure around said heat exchanger with a controllable variable flow arrangement having an exhaust opening for regulating the exhaust of atmosphere through said heat exchanger, said flow control means including a closure for said exhaust opening for varying the exhaust of atmosphere through said heat exchanger, means for positioning said closure, electric motor means for operating said closure positioning means, means including a thermostatic control for energizing said motor means for operation of said closure positioning means toward open exhaust position of said closure in response



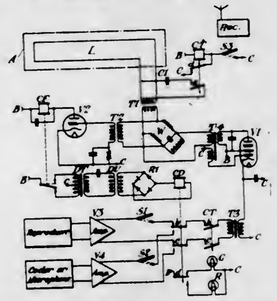
to temperatures higher than a predetermined value of cooling fluid in said heat exchanger, and means including a thermostatic control for energizing said motor means for operation of said closure positioning means toward closed exhaust position below a predetermined temperature of cooling fluid in said heat exchanger.

2,499,177

PROXIMITY COMMUNICATION SYSTEM WITH WHEATSTONE BRIDGE DETECTOR

George W. Baughman, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 31, 1947, Serial No. 764,949
6 Claims. (Cl. 179—82)



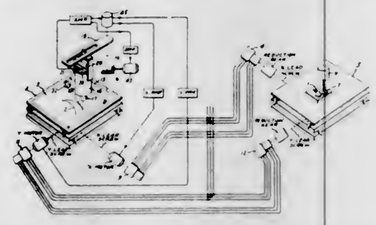
1. A system for indicating the presence of a movable object in a protected area comprising, a conductor arranged to form a loop surrounding the major portion of said area, means for energizing said conductor by alternating carrier current to create a magnetic field in said area, comprising a source of said current and a bridge having four arms formed by four impedance elements connected in the form of a square with two input terminals at diagonally opposite corners and two output terminals at the other two corners, said bridge having its input terminals connected to the source of said current and having said loop included in one of its arms, the other arms of said bridge comprising fixed impedances of such value that the bridge is balanced to current of the carrier frequency when said area is unoccupied and is effectively unbalanced when a movable object such as a vehicle or airplane enters said area, a sensitive relay, means responsive to the voltage at the output terminals of said bridge for causing said relay to assume its energized position when the bridge is effectively unbalanced and to assume its released position when the bridge is balanced, a mobile receiver, means for modulating the carrier current supplied from said source to transmit communication signals to said receiver

when outside of said area, unbalancing means operating periodically between two positions, means controlled by said unbalancing means in one position for effectively unbalancing the bridge by tuning the loop, substantially to parallel resonance to increase the current transmitted to said receiver and to energize said sensitive relay due to the resulting unbalance, means for interrupting the modulation of said current when said unbalancing means assumes its other position to enable the bridge to be balanced to effect the release of said relay in the event the area is unoccupied, a detector relay, means for causing said detector relay to assume its energized position only in response to the periodic operation of said sensitive relay, and means governed by said detector relay for controlling the character of said modulation whereby signals of one character or another are transmitted to said receiver depending upon whether said detector relay is energized or released.

2,499,178
CURVE FOLLOWER

Theodore M. Berry, Schenectady, and Howard L. Clark, Ballston Lake, N. Y., assignors to General Electric Company, a corporation of New York

Application November 18, 1948, Serial No. 60,698
8 Claims. (Cl. 318—162)

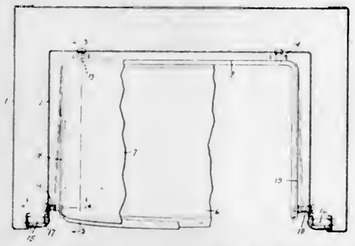


3. A curve follower comprising in combination, means for supporting a surface having a curved line thereon, a rotary transformer having a rotor member, a stator member, a pair of primary windings arranged in quadrature on one of said members, and a pair of secondary windings arranged in quadrature on the other of said members, means defining an axis of rotation perpendicular to said surface, an arm mounted for rotation about said axis, a photoelectric scanning device mounted on said arm for rotation about said axis and having an optical axis intersecting said surface and responsive to the condition of perpendicularity between said curved line and a line joining the intersections of said axes for controlling the relative energizations of said primary windings, a first reversible driving means controlled by the voltage of one of said secondary windings for effecting relative movement of said support and said scanning device in a first direction or in reverse, a second reversible driving means for effecting relative movement of said support and said driving means in a direction perpendicular to said first direction, a third reversible driving means controlled by said scanning device in response to a departure from the perpendicular relationship of said lines for restoring said perpendicular relationship and for simultaneously rotating said rotor member to effect relative rotation of said primary and secondary windings to vary the relative speeds of said first and second driving means.

2,499,179
SUPPORT FOR FOOD STORAGE RECEPTACLES

Edwin H. Boddy, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application September 14, 1946, Serial No. 697,135
7 Claims. (Cl. 312—150)



1. In a refrigerator cabinet, a support for a food storage receptacle comprising an adjustable member attached to the interior of the cabinet, and a frame mounted in said cabinet and having an arm resiliently biased against said member for retaining said frame and said member in engagement, said frame including a portion for supporting the food storage receptacle.

2,499,180
COMMUNICATION SYSTEM

Paul N. Bossart, Cheswick, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

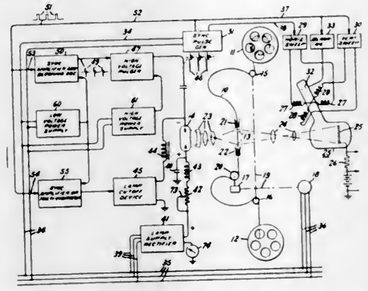
Application June 25, 1946, Serial No. 679,099
15 Claims. (Cl. 246—8)

14. In a system for communication between a vehicle operating over a given stretch of trackway and a wayside station, a pair of line wires extending along said trackway, said line wires adaptable of being used in a longitudinal circuit formed by the line wires in parallel and their distributed capacitance to ground and in a transverse circuit including the wires in series, said line wires extending along said trackway for inductive relation between the longitudinal line circuit of the wires and equipment supplying a given communication energy mounted on said vehicle, other equipment supplying said communication energy located at said station and having connections to said line wires, means at at least one preselected point along said stretch interposed in said line wires to sectionalize the wires into a plurality of different sections with respect to said longitudinal and transverse line circuits for said communication energy, repeater means including an amplifier at each of said sectionalizing points and connected to said line wires on each side of the sectionalizing means to transfer said communication energy from a longitudinal circuit of the line wires on one side of said means to a transverse circuit of the line wires on the other side of said means and vice versa, and other transfer means for designated ones of said sections connected to the line wires to transfer said communication energy from the transverse line circuit to the longitudinal line circuit and vice versa.

2,499,181
PULSED LIGHT FILM PROJECTION FOR TELEVISION TRANSMISSIONS

Lloyd C. Downes and Joseph F. Wiggin, Syracuse, N. Y., assignors to General Electric Company, a corporation of New York

Application February 28, 1947, Serial No. 731,472
8 Claims. (Cl. 178—7.2)

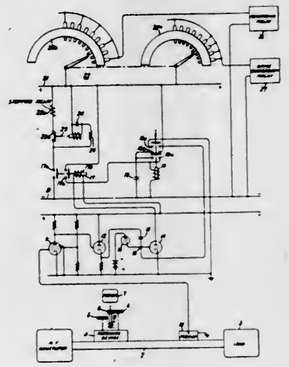


5. In a high intensity pulse illumination system for a film projector or the like wherein a moving film is recurrently illuminated by light pulses at a predetermined frequency, the combination of a bilaterally-conducting gas discharge gap lamp for illuminating said film, a capacitor, a resonant discharge circuit including said lamp and capacitor and having a resonant frequency higher than said predetermined frequency, a resonant charging circuit including said capacitor and a source of unidirectional potential and having a resonant frequency lower than said predetermined frequency, a triggering circuit for impressing recurrent high voltage pulses upon said lamp and capacitor at said predetermined frequency and in a polarity to initiate discharge of said capacitor through said lamp, said charging circuit providing a resonant rise in voltage on said capacitor above the potential of said source after each applied pulse, said voltage being insufficient to trigger said lamp except when said pulses occur, said discharge circuit providing an oscillatory current wave through said lamp having substantially the periodicity of said higher frequency, and means in said discharge circuit for extinguishing said wave at the end of the first half-cycle thereof.

2,499,182
AUTOMATIC MAXIMIZING CONTROL SYSTEM

James Dyson, Rugby, England, assignor to General Electric Company, a corporation of New York

Application June 14, 1947, Serial No. 754,763
In Great Britain October 8, 1946
5 Claims. (Cl. 323—2)



1. A control system for maximizing the power supplied to a load of variable impedence, comprising a first control element for varying one component of said impedance, a second control element for varying a second component of said impedance, means for producing a signal voltage which is a measure of said power, a control relay, a continuously operating control device operable in one direction to effect operation of one of said elements in a direction to effect an increase in one of said components and operable in the other direction to effect operation of said one element to effect a decrease in said one component, a source of voltage, an electric valve provided with a control grid and having an anode connected to one side of said source and a cathode connected to the opposite side, a connection from said signal voltage producing means to said control grid, a capacitor included in said connection, a second electric valve having its anode connected to the cathode of said first valve and having its cathode connected to said grid, an auxiliary voltage source in the anode connection of said second valve for rendering the anode of said second valve negative with respect to the cathode of said first valve, said capacitor and said second valve rendering said first valve responsive to a reversal of the direction of change of said signal voltage irrespective of its magnitude to effect operation of said relay to a first position when said signal voltage is increasing and to a second position when said signal voltage is decreasing, and means responsive only to operation of said relay to said second position for reversing the direction of operation of said continuously operating control device.

2,499,183
VACUUM CLEANING CABINET FOR DUST MOPS

Albert Deans Fairgrieve, Vancouver, British Columbia, Canada

Application January 3, 1946, Serial No. 638,760
2 Claims. (Cl. 15—310)

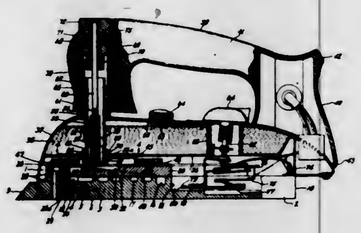
1. A device for cleaning dry mops and the like comprising a cabinet having side walls, a bellows,

a top wall connected to said side walls by said bellows, an air pervious dust receiver in the base of the cabinet and in communication with said bellows, a self-closing inlet valve in the top wall to admit air to the bellows and a self-closing outlet valve below the bellows and above the dust



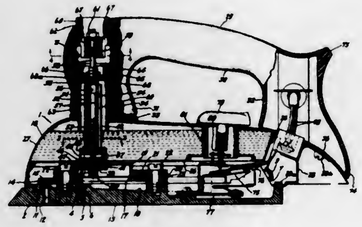
receiver to direct the air received from the bellows through the dust receiver, means for supporting a mop head within the bellows below the inlet valve, and means for distending the bellows, said cabinet having a wall opening to permit air passing through the dust receiver to pass outwards from the cabinet.

2,499,184
STEAM GENERATING ELECTRIC PRESSING IRON
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application September 11, 1946, Serial No. 696,297
14 Claims. (Cl. 38—77)



1. A steam iron comprising an iron body having an operative ironing position, and said body having a heel rest upon which the body may rest in an inoperative position wherein the forward end of the iron is up-ended, said body also being provided with a soleplate having a pressing surface and with a steam generating cavity intermediate its ends and also with a tortuous steam passage leading forward from said cavity to a point adjacent the front end of said soleplate, means for heating said soleplate, a water reservoir on said soleplate having a valve controlled port for controlling the flow of water from said reservoir located adjacent the forward end of said iron so that when said iron is in said inoperative position said port is located above the water level in said reservoir, a water conduit for conveying water discharged through said port back to said steam generating cavity, and steam passage means for conducting steam from the forward end of said tortuous passage out through said pressing surface.

2,499,185
STEAM IRON RESERVOIR WATER SUPPLY AND WATER DISCHARGE MEANS
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application September 11, 1946, Serial No. 696,299
17 Claims. (Cl. 38—77)



1. A steam iron comprising a soleplate having a pressing surface, a steam generating chamber, heating means for said soleplate and chamber, conduit means for conducting steam generated in said chamber to said pressing surface, a water reservoir overlying said soleplate and chamber, a tube extending upwardly from said chamber through said reservoir, means providing communication between the upper end of said tube and the top part of said reservoir, a valve body in said tube partially filling its cross-sectional area so as to leave a permanently open vertical passageway between one side of the body and the tube whereby said chamber always is connected with the top part of said reservoir, said body also having a separate water supply passageway communicating with said chamber and also through said tube with the bottom part of said reservoir so that water may flow by gravity from the reservoir into said chamber, and a valve controlling the flow of water through said water passageway.

2,499,186
2-VINYLDIBENZOTHIOPHENE AND METHOD OF PREPARING THE SAME
Ralph G. Flowers and Leola W. Flowers, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 17, 1948, Serial No. 33,674
5 Claims. (Cl. 260—329)

2. The method of preparing 2-vinyldibenzothiophene which comprises dehydrating 2-(alpha-hydroxyethyl) dibenzothiophene by heating the latter thereby removing a hydrogen atom and a hydroxy group from adjacent carbon atoms of the alpha hydroxyethyl radical.

2,499,187
POLYMERS OF 2-VINYLDIBENZOTHIOPHENE
Ralph G. Flowers and Leola W. Flowers, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 17, 1948, Serial No. 33,675
12 Claims. (Cl. 260—79.7)

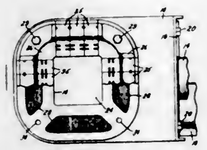
1. A polymer of 2-vinyldibenzothiophene.

2,499,188
SORTING REEL HOOK
David A. Freeman, Chicago, Ill., assignor to G. H. Bishop Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1947, Serial No. 752,074
4 Claims. (Cl. 211—119)



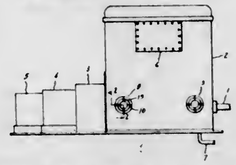
1. A sorting and assembling hook of the class described comprising a bar bent to form a hook at its upper end to engage over a supporting rail, a roller rotatably mounted in the hook to engage and run on the upper side of the rail, the lower end of the said bar being bent to form a loop, the lower part of the loop being substantially horizontal and forming a suspension rod on which to hang in spaced relation a number of garments, and a spring strip secured to said bar and together with an edge portion of said loop forming a spring clamp for receiving and holding an order, a portion of said strip being bent to form a belt and tie hook, whereby the order and the articles called for thereby may all be assembled on the hook and moved along the supporting rail.

2,499,189
STOKER BURNER HEAD WITH ROD MEANS TO ANCHOR TUYÈRE BLOCKS
Henry R. Geary, East Orange, N. J., assignor to General Electric Company, a corporation of New York
Application December 13, 1947, Serial No. 791,546
2 Claims. (Cl. 110—44)



2. A stoker burning head having in combination a plenum base provided with a fuel feed opening, corner anchor blocks, each arranged on said base adjacent a corresponding corner of said opening, a row of juxtaposed tuyère blocks arranged on each side of said opening intermediate corresponding pairs of said corner anchor blocks, an anchoring rod extending through each row of said tuyère blocks and anchored in the corresponding pair of said corner anchor blocks, means for attaching said corner anchor blocks to said base to secure said tuyère blocks in alignment to said base, and means for supplying air under pressure from said base to said tuyère blocks.

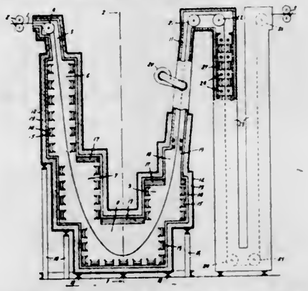
2,499,190
DEVICE FOR COVERING OPENINGS IN ENCLOSED MACHINES
Viking R. Holmgren, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application April 12, 1947, Serial No. 741,113
5 Claims. (Cl. 171—252)



1. A device adapted to cover a lift hole in the housing of an enclosed turboelectric generator, said device comprising a cover for said hole, including an outer ring provided with a plurality of bolt holes and bolts attaching said ring to said housing, an inner ring, said outer ring being adapted to receive said inner ring, tension spring means attaching said inner ring to said outer ring, a window of transparent material, means including a back-up ring for mounting said window on said inner ring, means including a threaded connection for varying the tension of said tension spring means, and means including guide pins for assuring proper diametrical relationship between said inner ring and said outer ring.

2. The combination of a substantially totally enclosed machine provided with lift holes and a device adapted to cover one of said lift holes, said device comprising an outer frame adapted to be secured to the outside of said machine to be manually removable from the outside thereof, an inner frame resiliently secured to said outer frame by spring means arranged to bias said inner frame inwardly against said outer frame, and a transparent window located within said inner frame, whereby there is provided a combination inspection window and pressure relief means covering said lift hole.

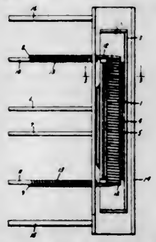
2,499,191
VERTICAL LOOP FURNACE
Norman B. Jones, Ballston Lake, and James L. McFarland, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application September 22, 1948, Serial No. 50,538
1 Claim. (Cl. 263—3)



A vertically disposed furnace for heating moving strip material while it is suspended in the form of a catenary loop comprising, a plurality

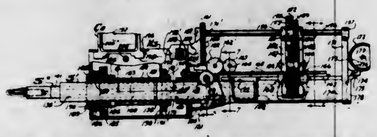
of interconnected heating chambers disposed along the contour of said catenary loop, the enclosures of said heating chambers being in close proximity to but not in contact with said strip material, said heating chambers being arranged so that said strip material passes consecutively through said heating chambers, each heating chamber enclosure comprising an outer metal casing, a layer of heat insulating material within said metal casing and an interior lining of heat refractory material within said layer of insulating material, an internal arch of refractory material in each heating chamber except the topmost chamber on each leg of the catenary for supporting in part the heating chamber immediately above each such chamber, heating means in said heating chambers, an entrance chamber mounted on one of said topmost heating chambers and supported principally thereby and interconnected in strip conducting relation therewith, an exit chamber mounted on the other of said topmost heating chambers and supported principally thereby and interconnected in strip conducting relation therewith, an entrance roll in said entrance chamber for supporting one end of said catenary loop, and an exit roll in said exit chamber for supporting the other end of said catenary loop.

2,499,192
DISPENSER TYPE CATHODE
James M. Lafferty, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 15, 1948, Serial No. 2,402
4 Claims. (Cl. 250—27.5)



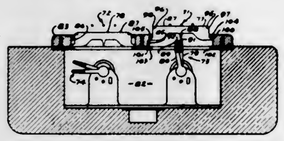
1. A cathode comprising a helical wire coil providing a heater and a cast body of electron emitting material within said coil and extending between adjacent turns of said coil to hold said turns in insulated relation.

2,499,193
DUAL SPINDLE MACHINE TOOL
Emil R. Lochman, Milwaukee, Wis.
Original application February 18, 1939, Serial No. 257,216. Divided and this application February 28, 1944, Serial No. 524,168
7 Claims. (Cl. 90—14)



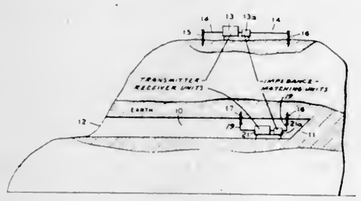
1. In a device of the character described, the combination with concentric spindles, each mounted for axial and rotative motion, of independent driving connections for the respective spindles, whereby either may be primarily actuated, feed means for the axial movement of the respective spindles, and chuck means comprising mechanism for locking the spindles together for concurrent movement.

2,499,194
STRINGED MUSICAL INSTRUMENT
John W. McBride, Burbank, Calif., assignor to Bantar, Incorporated, Burbank, Calif., a corporation of California
Application August 19, 1946, Serial No. 691,550
21 Claims. (Cl. 84—315)



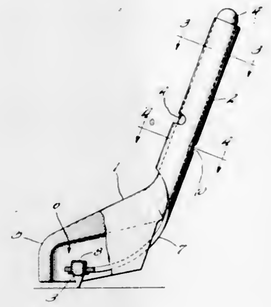
1. In a musical instrument having a tensioned string: means for stopping the string at a plurality of adjustable points along the string, comprising a plurality of members rotatable with respect to each other and mounted on a common axis substantially parallel to the string, each of said members having a helical-like crest.

2,499,195
MINE COMMUNICATION SYSTEM
James A. McNiven, New York, N. Y.
Application May 10, 1946, Serial No. 668,740
1 Claim. (Cl. 250—4)



In a two-way communication system of the type described for communicating through the earth's strata, two pairs of spaced-apart probes in the earth, an electrical signal generating means, means for generating a carrier which is frequency modulated with the signals from said signal generating means within a range wherein the earth's strata contiguous to and between said probes forms a resistive network of negligible reactive impedance, means for impressing upon the first pair of probes said frequency modulated carrier, a variable impedance matching unit connected between said carrier generating means and said first pair of probes for matching the impedance of the earth between said first pair of probes to that of said carrier generating means, a signal receiver including a variable matching impedance associated with a second pair of spaced-apart probes within the area of said resistive network, means including said other pair of probes for detecting signals impressed on said first pair, and means for similarly impressing similar type signals on said second pair of probes and detecting such signals by said first pair of probes.

2,499,196
PHONOGRAPH NEEDLE
George M. Mencke, Chicago, Ill., assignor to Permo Incorporated, Chicago, Ill., a corporation of Illinois
Application December 21, 1946, Serial No. 717,763
3 Claims. (Cl. 274—38)



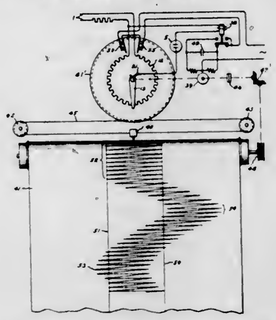
1. A phonograph needle comprising a body member having a shank core at one end and an offset guard portion at its opposite end, said guard portion forming a cavity having an opening in its base and depending side walls, a supporting shank coaxially secured around said core, said shank having an integral offset resilient playing portion extending into said cavity, a playing point having a tip secured in the outer end portion of said playing portion with the said tip normally projecting from said guard portion for engaging a record.

2,499,197
METAL ENVELOPE ELECTRIC DISCHARGE DEVICE
William T. Posey, Schenectady, N. Y. assignor to General Electric Company, a corporation of New York
Application November 24, 1948, Serial No. 61,774
3 Claims. (Cl. 250—27.5)



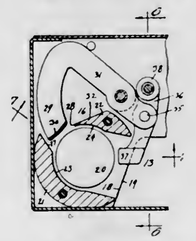
3. An electric discharge device of the type utilizing an ionizable medium comprising a metal envelope closed at one end by a header, a metal tubulation extending from said header and beyond the sidewall of said envelope, a deformable support positioned in said tubulation and having an opening therein, a frangible ampule containing a quantity of ionizable medium positioned within said support so that said ampule may be shattered and said medium liberated through said opening by deformation of said tubulation and said support.

2,499,198
RECORDING VOLTMETER
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 28, 1947, Serial No. 757,830
4 Claims. (Cl. 346—33)



4. A recording voltmeter comprising a resistance adapted to be energized by and in proportion to the voltage to be recorded, a contactor on said resistance, means for supporting a record sheet and a stylus for producing a record on the record sheet, a motor for producing relative movement between the resistance and contactor and between the record sheet and stylus said relative movements being coordinated such that the position of the stylus relative to the record sheet is an indication of the position of the contactor relative to the resistance, a relay and a glow tube in series between said contactor and one end of said resistance, said motor causing the contactor to move in a manner to increase the voltage across the glow tube from below to breakdown value thereby producing a current flow which operates the relay, and means subject to the control of said relay for causing the stylus to produce a record on the record sheet indicative of the voltage across said resistance at the time of tube breakdown.

2,499,199
COIN VENDING MACHINE
Albert E. Skovbo, Portland, Oreg.
Application August 19, 1946, Serial No. 691,474
1 Claim. (Cl. 133—5)



A mechanism of the class described consisting of a straight ejector lever having a pivot point between the ends thereof and having an arcuate ejector at one end whose center of curvature is the pivot point thereof, and having a gate lever pivotly mounted between its ends to the end of said ejector lever opposite its ejector in a manner that one end of the gate lever is juxtaposed to the

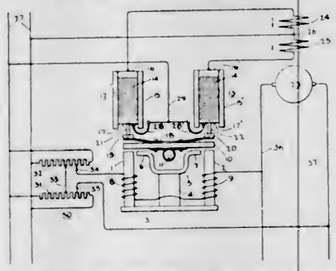
free end of the ejector, a spring urged actuating lever connected to the other end of said gate lever for simultaneously rocking said ejector lever on its pivot center, and translating said gate lever, a floor plate supporting said ejector having a coin tube disposed to position coins in the path of movement of said ejector and spaced from said floor plate, side walls under said coin tube having an opening between same for the ejection of coins said one end of the gate lever normally closing said opening, and an opposite opening for the passage of the ejector, said floor plate being cut away outside of the portion which supports the coins, the end of said gate lever in the path of said coins constituting means for preventing the escape of coins from between said walls when no ejection is being made.

2,499,200

VOLTAGE REGULATING APPARATUS

Thomas B. Somerville, Manchester, England, assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application August 9, 1947, Serial No. 767,784
In Great Britain March 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 25, 1963
6 Claims. (Cl. 201—51)



1. A regulating device for an electric circuit comprising, a pair of pressure responsive resistance elements connected in said circuit for controlling the flow of current therein, an E-shaped magnetic frame having a central leg of polarized magnetic material and a pair of outer legs of magnetizable material, an exciting coil on each of said outer legs, a yoke member affixed to said central leg and extending from said central leg to a point in proximity with each of said outer legs thereby providing a double magnetic flux path, a magnetizable armature pivoted adjacent said central leg with its opposite ends in cooperative relationship with said outer legs, mechanical linkage conecting said magnetizable armature to said pressure responsive elements and operative during motion of said armature to apply pressure to one of said elements while simultaneously releasing pressure on the other of said elements, and tension means associated with said linkage for maintaining a positive amount of compression on said pressure responsive elements at all times.

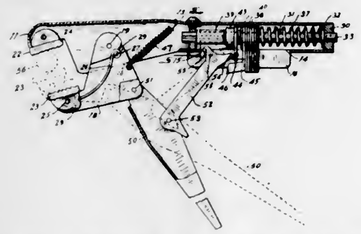
2,499,201

AUTOMATIC TOGGLE ACTUATED GRIP WRENCH

Norman C. Thayer, Como, Colo.

Application May 17, 1946, Serial No. 670,431
5 Claims. (Cl. 81—84)

5. A wrench of the toggle actuated grip type having a handle provided at one end with a stationary jaw, a jaw pivotally connected with the handle for movement towards and away from the stationary jaw, a lever having one end pivotally attached to the pivoted jaw at a point spaced from the pivot thereof, a toggle link having one end pivoted to the lever at a point intermediate its ends, an abutment for the toggle link connected with the handle for longitudinal movement, means comprising a spring normally urging the abutment towards the jaw pivot, means for limiting the movement of the abutment in response to the action of the spring comprising a



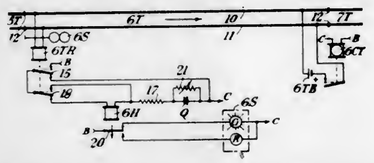
stop rigidly secured to the handle, the toggle link having its free end in engagement with the abutment, whereby when the jaws are prevented from further movement towards each other, the abutment will move and further tension the spring, means for latching the movable abutment against movement relative to the handle, said means being normally inoperative, and means controlled by the angular position of the toggle link relative to the lever to render the latching means operative to hold the abutment stationary on further movement of the lever.

2,499,202

CODED SIGNALING APPARATUS

Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 9, 1947, Serial No. 746,969
14 Claims. (Cl. 246—34)



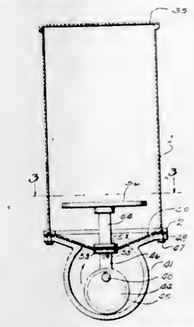
13. In combination, a code detecting relay, a source of direct current, a condenser, a code following relay operable recurrently between a first position in which a first stationary contact is engaged by the operation of said relay to establish a circuit connection to one terminal of said source and a second position in which a second stationary contact is engaged thereby to establish a circuit connection to the other terminal of said source, said connections being so arranged that the source is effectively short circuited in the event both stationary contacts are engaged at the same time, a circuit independent of the winding of said code detecting relay but including said source, said condenser, and the connection established when said first stationary contact is engaged for charging said condenser from said source, and a circuit independent of said source but including said condenser, the winding of said code detecting relay and the connection established when said second stationary contact is engaged for discharging said condenser through the winding of said code detecting relay.

2,499,203

AGITATING MIXING DEVICE

Charles F. Warren, Milwaukee, Wis.

Application June 6, 1947, Serial No. 753,074
10 Claims. (Cl. 259—99)



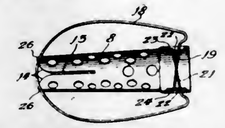
1. In a container having a laterally tensioned flexible wall, a dasher, a pitman connected with the dasher within the container and having a relatively fixed connection with said wall, and a rotor outside the container having an orbitally movable portion with which said pitman is connected for oscillatory and reciprocatory movement, the pitman being rigid from the rotor to the dasher and dependent on the rotor and said wall for position.

2,499,204

HAIR CURLER

Ruth K. Weaver, Chicago, Ill., assignor to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware

Application March 21, 1947, Serial No. 736,361
2 Claims. (Cl. 132—41)



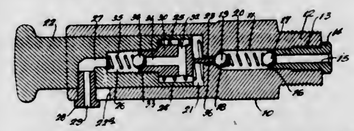
2. In a hair curler, a tubular body formed of relatively thin resilient material and being slit longitudinally to provide a pair of hair clamping edges normally disposed in abutting engagement and yieldably resistant to movement out of abutting engagement by the insertion of a lock of hair therebetween, one end of said tubular body having a pair of diametrically opposed bearing apertures equidistantly spaced from said hair clamping edges, the other end of said tubular body being formed with diametrically opposed bail receiving notches, said bearing apertures and said bail receiving notches being arranged in a common plane with the longitudinal axis of said tubular body, a loop bail of resilient material having its one end journaled in said bearing apertures and its other end free to swing into and out of locking engagement with the notched end of said tubular body, said loop bail being formed from a piece of resilient wire having each of its ends journaled in said bearing apertures and extending transversely across said tubular body, the ends of said bail being crossed intermediate their ends adjacent the longitudinal axis of said body portion, said bearing apertures being of greater length than width to receive and engage the ends of said bail whereby said bail acts to yieldably resist movement from a common plane with the longitudinal axis of the tubular body.

2,499,205

LIQUID DISPENSER

John R. Wolfe, Chicago, Ill., assignor, by mesne assignments, to The Stepan Chemical Company, Inc., Chicago, Ill., a corporation of Illinois

Application September 28, 1945, Serial No. 619,058
3 Claims. (Cl. 222—321)



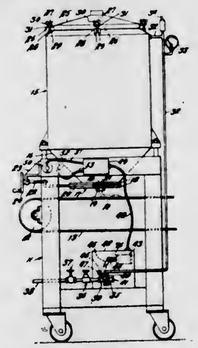
1. In a liquid dispenser, a casing providing a reservoir chamber with valve seats in the upper and lower ends and an inlet to the chamber, a trap chamber, and a passage connecting the chambers, a plunger in said trap chamber, spring means maintaining said plunger normally in raised position, said plunger being provided with a passage therethrough and a valve seat in said passage, balls in each of said valve seats, a compression spring extending between the balls in said reservoir chamber, and a pin carried by said plunger for pressing the ball in the upper end of said reservoir chamber downwardly toward the ball in the inlet end to seat the latter in its valve seat when said plunger is pressed downwardly.

2,499,206

PRESSURE EXTRUSION APPARATUS

Paul Anthony Wolff, Hoboken, N. J., assignor to General Baking Company, New York, N. Y., a corporation of New York

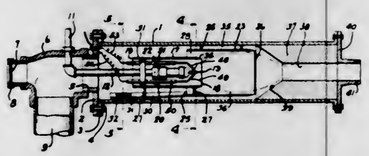
Application October 5, 1945, Serial No. 620,525
13 Claims. (Cl. 222—66)



1. In a pressure extrusion apparatus for mobile doughy material the combination comprising, a supply tank having an extrusion outlet, means to apply driving gaseous fluid pressure to a charge of mobile doughy material therein to extrude it

through the outlet, means successively to initiate and terminate extrusion of the mobile doughy material from the outlet, and control means for said last named means responsive to the quantity of the charge in said tank having an element in said tank located on a wall thereof at a particular point for continuous physical contact with the mobile doughy material when the charge of the latter is greater than a predetermined minimum to maintain extruding conditions during such contact and to discontinue extruding conditions when the physical contact is substantially eliminated, whereby extrusion will be terminated upon reduction of the quantity of the charge to a predetermined minimum.

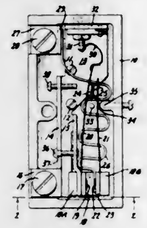
2,499,207
PRESSURE-TYPE BURNER AND METHOD OF BURNING FUEL
John J. Wolfersperger, Milwaukee, Wis.
Application December 22, 1945, Serial No. 636,781
9 Claims. (Cl. 158—4)



1. In a burner of the character described, the combination with a generally cylindrical combustion chamber with a restricted outlet orifice at one end and a fuel nozzle remote from the orifice and directed toward the orifice, means for delivering fuel under pressure through said nozzle and means for delivering into said chamber under substantial pressure air adequate for complete combustion of such fuel, of annular means for guiding axially about such nozzle a primary increment of such air said means having sufficient capacity to support stable combustion but inadequate to support complete combustion of fuel issuing from said nozzle, an igniter adjacent the nozzle in the path of the fuel and said primary air, sleeve means for guiding axially beyond the nozzle a major portion of the total air in a plurality of annular strata about the ignited fuel and primary air during continued advance of all of such air and the ignited fuel, the fuel and all of such air being abruptly discharged through said restricted orifice prior to substantial combustion and expansion of said fuel, whereby turbulently to complete at said orifice for the first time the mixture of the stratified air with the burning fuel and constrict the air and fuel before major expansion occurs.

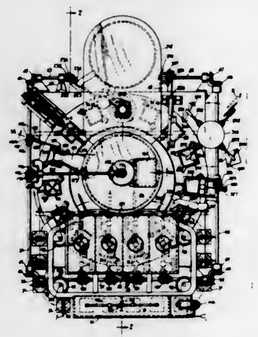
2,499,208
THERMALLY ACTUATED SWITCH
John S. Zimmer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 21, 1948, Serial No. 22,475
5 Claims. (Cl. 200—122)

1. A thermal responsive switch comprising a pair of thermally deformable cantilever switch members mounted in substantially parallel spaced relation and having at their free ends a pair of complementary switch contacts, said switch members being biased to maintain said contacts in engagement and disposed for like deformation in following relation upon like changes in temperature while maintaining said contacts in engagement under pressure, overcenter spring means connected to one of said switch members,



thereby to move said one switch member overcenter with a snap action, and stop means limiting movement of the other said switch member in both directions.

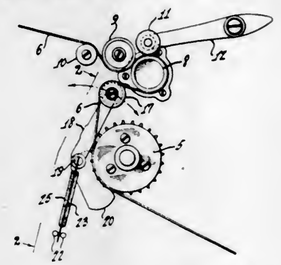
2,499,209
MACHINE FOR MOLDING ARTICLES
José E. Balasquide, Ponce, P. R.
Application October 20, 1945, Serial No. 623,596
25 Claims. (Cl. 25—41)



1. In combination, a conveyor, a plurality of spaced tile-forming molds carried thereby, each mold supporting a compressed tile in readily removable relation, means for imparting step-by-step movement to the conveyor to successively move the molds to a tile-removing position, tile-removing means at said position and comprising a plurality of uniformly spaced tile-gripping devices, and means timed with the conveyor for imparting step-by-step movement to the tile-removing means to cause said tile-gripping devices to successively remove tiles from the respective molds.

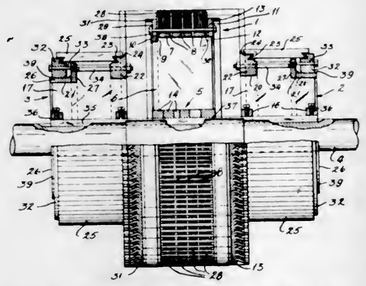
2,499,210
FILM DRIVE FILTER
Sten E. Bartelson, Ashland, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1946, Serial No. 719,397
4 Claims. (Cl. 271—2.3)

1. A film drive mechanism comprising a sprocket adapted to advance film thereover, a drum over which film is pulled by said sprocket, a roller intermediate said sprocket and drum over which said film passes, a movable arm on which said roller is mounted, a pivot for said arm, and a leaf type spring having dampening material thereon attached at one of its ends to said arm for rota-



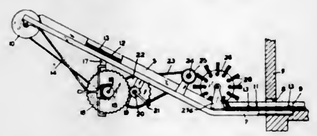
tion therewith, the opposite end of said spring being free, and stops disposed adjacent the free end of said spring for limiting the movement thereof as said arm rotates.

2,499,211
DYNAMOELECTRIC MACHINE AND METHOD OF MAKING SAME
Pierre Ismael Chandeysson, St. Louis, Mo.
Application February 13, 1947, Serial No. 728,234
4 Claims. (Cl. 171—252)



1. In a generator having a shaft, two commutator spiders mounted in spaced relation on the shaft, and an armature spider mounted on the shaft between the commutator spiders, all said spiders having hubs consisting of a plurality of perforated steel plates secured together.

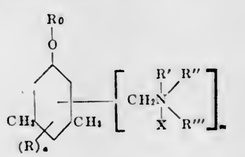
2,499,212
GUIDE FOR BARN CLEANER CONVEYERS
Vincent L. Custer, Eau Claire, Wis.
Application August 22, 1947, Serial No. 770,039
6 Claims. (Cl. 198—1)



6. A guide for engaging the central flexible pull elements and the flexible side elements of a barn cleaner conveyor or the like comprising a rotary wheel member adapted to be mounted on a horizontal axis disposed transversely of a barn cleaner conveyor, said wheel member carrying a plurality of circumferentially spaced dual function guide elements extending from the peripheral portion of said wheel member and fixed thereto, each of said elements including an inner concave portion curved outwardly both in lateral and radial directions with respect to the wheel member and each having a terminal arm extending in general direction substantially parallel to the axis of the wheel member, said dual function guide elements being alternately extended from the opposite faces of the wheel member whereby their concave inner portions will co-operate to form a guide for the centrally disposed flexible pull member of a barn cleaning conveyor and whereby their terminal arms will be spaced apart in position to constitute guiding elements for the flexible side elements of the barn cleaning conveyor.

2,499,213
QUATERNATED 3,5-DIMETHYLPHENYL ETHERS
Peter L. de Benneville, Philadelphia, Pa., Leonard J. Armstrong, Wenona, Ill., and Louis H. Bock, Huntingdon Valley, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 19, 1947, Serial No. 769,528
5 Claims. (Cl. 260—297)

1. Compounds of the formula

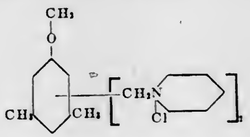


wherein Ro is a monovalent aliphatic hydrocarbon group of one to eighteen carbon atoms, R is a group having not over eighteen carbon atoms from the class consisting of alkyl groups and acyl groups from monocarboxylic acids consisting of an aliphatic hydrocarbon radical and a carboxyl group, m is an integer from one to three, a is a number from zero to one, the sum of m and a being not over three, R′ taken individually represents a member of the class consisting of methyl, ethyl, allyl, methallyl, and benzyl groups; R″ and R‴ taken individually represent a member of the class consisting of methyl and ethyl groups, R″ and R‴ taken together represent a divalent saturated aliphatic group from the class consisting of the ether chain

$$—CH_2CH_2OCH_2CH_2—$$

and alkylene chains of four to five carbon atoms which jointly with the nitrogen form a heterocycle, R′, R″, and R‴ taken together represent a hydrocarbon chain which jointly with the nitrogen forms a pyridine ring, and X is an anion.

5. The compound of the formula



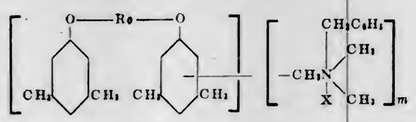
2,499,214

QUATERNARY AMMONIUM COMPOUNDS FROM HALOMETHYLATED 3,5-DIMETHYL-PHENYL POLYETHERS

Peter L. de Benneville, Philadelphia, and Louis H. Bock, Huntingdon Valley, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 19, 1947, Serial No. 769,529
3 Claims. (Cl. 260—567.6)

3. Compounds of the formula



wherein Ro is an alkylene group of two to three carbon atoms having at least two carbon atoms between the oxygen atoms, *m* is an integer from one to two, and X is a member of the class consisting of chlorine and bromine.

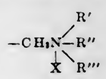
2,499,215

QUATERNARY AMMONIUM DERIVATIVES FROM HALOMETHYLATED POLYMERS OF 3,5-DIMETHYLPHENYL ETHERS

Peter L. de Benneville, Philadelphia, and Louis H. Bock, Huntingdon Valley, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 19, 1947, Serial No. 769,530
6 Claims. (Cl. 260—52)

1. As new chemical compounds, acid-catalyzed condensates from ethers of 3,5-dimethylphenol and monohydric aliphatic alcohols, ROH, and formaldehyde, R being a hydrocarbon group, said condensate having two to five phenyl ether groups per molecule connected by methylene bridges, said phenyl groups also being substituted with sufficient quaternary ammonium methylene groups to render the compounds dispersible in water, said groups being of the structure



wherein X is a halogen, R′ is a member of the class consisting of methyl and benzyl groups, and R″ and R‴ are methyl groups.

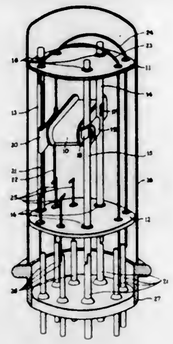
2,499,216

ELECTROMAGNETIC RELAY

Emanuel Frydman, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company

Application October 17, 1946, Serial No. 703,900
In Great Britain December 18, 1945
4 Claims. (Cl. 200—87)

1. A circuit controlling device comprising a hermetically sealed tube, a pair of discs spaced apart in said tube, a pair of metallic members extending in parallel relation between said discs, a magnet supported by said members and having the ends of its windings connected respectively to said members, a second pair of metallic members supported on one of said discs supporting an armature adjacent one pole of said magnet, contacts supported by the other of said discs, said magnet, when energized, causing movement of said armature to thereby cause engagement of



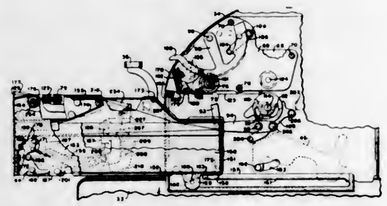
said second members with certain of said contacts to complete a circuit.

2,499,217

DRAWER CONTROLLED PRINTING AND FEEDING MEANS IN CASH REGISTERS

Mayo A. Goodbar and Albert J. Green, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application February 15, 1947, Serial No. 728,780
13 Claims. (Cl. 101—288)



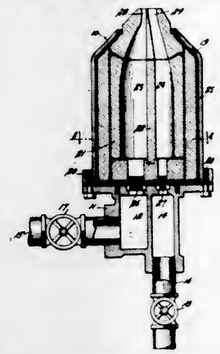
11. In a machine of the class described, constructed and arranged to print records on an issuing record strip and to feed said strip, the combination of a drawer to house the supply of record strip, said drawer mounted in the machine and movable from a closed position to an open or more accessible position; a printing couple, including one portion mounted in the machine and another portion mounted in the drawer, said portions being in operative printing relationship to each other when the drawer is closed; and a feeding couple, including one portion mounted in the machine and another portion mounted in the drawer, said portions being in operative feeding relationship to each other when the drawer is closed, said drawer being so constructed and arranged that when it is open the supply of record strip may be replenished and the web of said record strip may be placed in coacting relationship with the portions of the feeding and printing couples in the drawer, said web movable into coacting relationship with the portions of the feeding and printing couples in the machine when the drawer is closed.

2,499,218

GAS BURNER OF THE TYPE IN WHICH COMBUSTION IS ACCOMPLISHED IN A REFRACTORY LINED COMBUSTION CHAMBER

Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application September 26, 1946, Serial No. 699,415
2 Claims. (Cl. 158—105)



1. A burner comprising structure including a partitioned hollow body which provides two combustion chambers having inlets at one end and restricted outlets at the opposite ends, means providing two hollow manifolds each of which is in communication with a different one of the chambers at the inlet ends thereof, means to control individually the supply of a combustible mixture to each manifold whereby a combustible gaseous mixture may be independently supplied thereto at a controlled rate and pressure, means forming the inlets of the chambers providing a number of small passages for subdividing into a plurality of jets the gaseous mixture entering the chambers from the manifolds, the outlets and inner wall surfaces of the chambers being formed entirely of high temperature refractory material whereby substantially complete combustion of the jets may be effected in the chambers, and the outlets being disposed closely adjacent to one another so that the heated gases discharged from the chambers in the form of high temperature gas streams may be applied to work at close range to the outlets in such a manner that the work during its movement past the outlets will be impinged by the gas streams in succession.

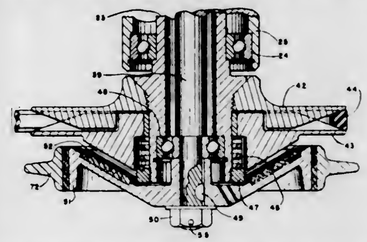
2,499,219

TWO-SPEED DRIVE MECHANISM

George T. Hemmeter, Berkeley, Calif.

Application February 27, 1947, Serial No. 731,327
4 Claims. (Cl. 192—4)

1. A two-speed drive and brake mechanism comprising a pair of relatively rotatable coaxial shafts, a belt-driven split pulley, one part of the split pulley being fixed to one of said shafts and the other part being movable axially of said shaft, a clutch member fixed to the other of said shafts and engageable with the said other split pulley part, brake means engageable with the clutch member, means yieldingly resisting movement of said other pulley part toward the clutch member whereby at a given belt tension the said one shaft will be rotated at a predetermined speed and the said other shaft will be braked against rotation, and means for concurrently disengaging the brake means and engaging the said other



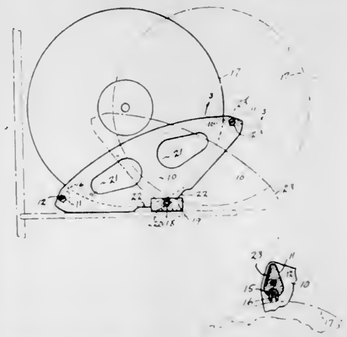
pulley part with the clutch member whereby both shafts may be concurrently driven at a speed higher than said predetermined speed.

2,499,220

RACK FOR PHONOGRAPH RECORDS

Clare L. Hinsdale, Girard, Ohio

Application April 9, 1946, Serial No. 660,654
1 Claim. (Cl. 211—40)



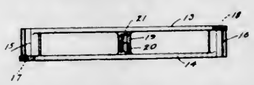
A record filing and storage rack including a base member incorporating pivot means and at least one cradle positioned thereon for receiving a plurality of records therein, said cradle comprising side plates having spacing means at its foremost and rearmost ends, said spacing means each comprising members having a groove in their innermost edges, a U-shaped section of felt positioned in said groove and a pin positioned axially in the said groove between the said side plate members and holding the said U-shaped felt in position, said spacing means forming yieldable bumpers for supporting records therebetween.

2,499,221

PHONOGRAPH RECORD RACK

Clare L. Hinsdale, Girard, Ohio

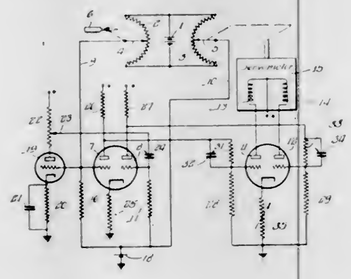
Application October 30, 1947, Serial No. 783,153
1 Claim. (Cl. 211—40)



A cradle for a phonograph record rack and comprising a two-part assembly of identical elon-

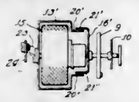
gated side plates having depending central sections with hub portions protruding therefrom and positioned with the hub portions in engagement with one another, each of the said side plates having an end section extending inwardly at right angles therefrom and each of the side plates having a recess formed in the side thereof at the end thereof opposite the inwardly extending end section formed thereon for registry with the inwardly extending end section of the other side plate, the cradle forming means for supporting a plurality of phonograph records therein in balanced relation with respect to the hub portions thereof and engaging the records in two-point suspension between said inwardly extending end sections.

2,499,222
FOLLOW-UP SYSTEM
Robert Hofstadter, Forest Hills, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut
Application July 17, 1946, Serial No. 684,208
5 Claims. (Cl. 318—29)



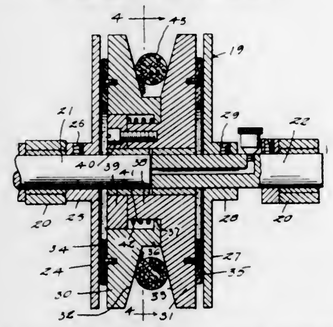
5. A control system for a servomotor comprising a follow-up bridge network having a plurality of resistors provided with adjustable contacts, one of said contacts being arranged for selective displacement, and the other of said contacts being arranged for displacement by said servomotor, a vacuum tube circuit including a pair of vacuum tubes arranged in balanced relation having a common cathode resistor and each anode having an anode coupling resistor, means interconnecting the input circuit of one of said vacuum tubes with the adjustable contacts of said bridge network, an auxiliary vacuum tube having an input circuit connected to said adjustable contacts of said network, a coupling capacitor interconnecting the output circuit of said auxiliary vacuum tube with the input circuit of the other one of said pair of vacuum tubes, a second pair of vacuum tubes arranged in a balanced circuit having an output arranged to control the operation of said servomotor, said latter tubes each having an input circuit comprising a voltage divider connected between the grid circuit of said tubes and one of the anodes of said first pair of tubes, the grids of said second pair of vacuum tubes being connected to an intermediate point on said voltage dividers, a plurality of capacitors each connected between the grid of one of said second pair of vacuum tubes and an anode of one of said first pair of vacuum tubes, and a plurality of relays each connected to a different one of the anodes of said latter pair of vacuum tubes for controlling the operation of said servomotor.

2,499,223
ELECTRICALLY SYNCHRONIZED TIMING MECHANISM
Jesse J. Kennedy, San Bernardino, Calif., and Elmer A. Traeger, Peru, Ill., assignors to General Time Corporation, a corporation of Delaware
Application August 13, 1945, Serial No. 610,430
1 Claim. (Cl. 58—26)



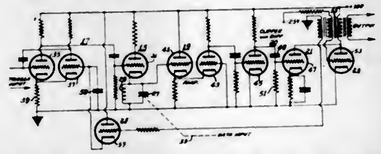
A spring driven clock mechanism comprising a regulator including a balance wheel, an electromagnet having an oscillatable element co-axial with the balance wheel and forming a part of the magnetic circuit of said electromagnet, said oscillatable element having two extremities positioned at unequal distances from the balance wheel axis; an armature mounted co-axially with said balance wheel and adapted to oscillate therewith; said armature having two extremities positioned at unequal distances from the balance wheel axis, said armature extremities overlapping said element extremities, the armature extremity closer to the balance wheel axis being adapted to be magnetically coupled to the element extremity closer to said axis and the further armature extremity being adapted to be magnetically coupled to the further element extremity when the electro-magnet is energized; said extremities being so arranged that the closer armature extremity will not magnetically couple with the further element extremity or vice versa; a synchronous motor; and means to oscillate said element by said synchronous motor at a frequency corresponding to the correct frequency for said balance wheel.

2,499,224
CLUTCH PULLEY
Willard C. Lutz, Lancaster, Pa.
Application April 1, 1947, Serial No. 738,535
2 Claims. (Cl. 74—230.17)



2. A combined pulley and clutch comprising a pair of outer clutch plates fixed on the ends of a pair of aligned shafts, a pair of inner clutch plates loose on said shafts between said outer plates and formed with confronting inclined faces, a cylindrical hub on one of said inner plates, a cylindrical hub on the other of said inner plates engageable about said first hub and spaced thereabout, and spring means between said hubs constantly urging said inner plates together out of engagement with said outer plates, whereby said inner plates may be engaged with said outer plates upon tensioning a belt engaging between the inclined faces of said inner plates moving said inner plates apart for engagement with said outer plates.

2,499,225
DATA TRANSMISSION SYSTEM
John N. Marshall, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1947, Serial No. 788,267
4 Claims. (Cl. 177—380)

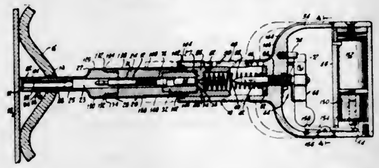


4. In a data transmission system including means for producing an interrogation signal and means responsive to a characteristically coded reply signal to indicate information carried by said reply signal, apparatus for producing said reply signal comprising means for initiating, in response to said interrogating signal, a pulse train whose repetition frequency depends upon the current value of the data to be transmitted, means for counting said pulses up to a predetermined number N, and means for stopping said pulse train in response to the occurrence of the Nth one of said pulses.

2,499,226
RESINOUS AROMATIC ACID SALTS OF A GUANIDINE AS MOTHPROOFERS
Vartkes Migrdichian, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Continuation of application Serial No. 317,174, February 3, 1940. This application November 23, 1944, Serial No. 564,897
2 Claims. (Cl. 167—37)

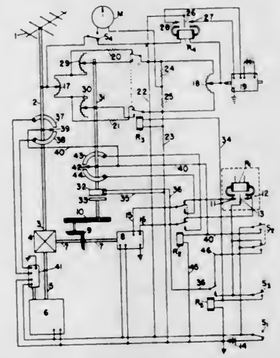
1. A mothproofing composition containing a guanidine salt of benzoic acid dissolved in a mixture of ethyl alcohol and carbon tetrachloride.

2,499,227
CONTROL MECHANISM FOR STUD SECURING APPARATUS
William S. Miles, Hastings on Hudson, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,724
15 Claims. (Cl. 1—47)



1. In a tool for securing studs or the like to a supporting member, the tool including a barrel adapted to contact the supporting member, a bore in said barrel to receive a stud or the like and means for firing an explosive charge to force the stud from the barrel, the improvement comprising, means for releasably holding said firing means against operation, an element carried by said barrel and movable from a projecting to a retracted position, and an electrical circuit including means for releasing said releasable holding means under the control of said element.

2,499,228
STABILIZATION OF DIRECTIONAL DEVICES
Carl L. Norden, New York, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut
Application September 25, 1945, Serial No. 618,448
9 Claims. (Cl. 343—117)

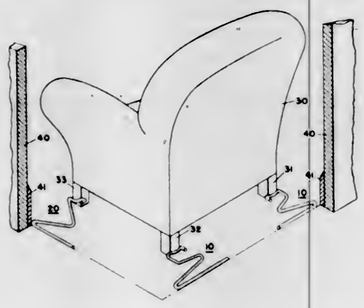


4. In a device for stabilization of radar antennas and the like, and in combination, an antenna turn control member, an aircraft turn control member, servo means for rotating both said members and including a differential gear therebetween, and centering means for the said members comprising servo operating means responsive to the angular positions of the said members for actuating said servo means to rotate one of said elements to center the same, while simultaneously rotating an element of said differential gear, and further servo means actuated by said operating means for rotating another element of the said differential gear to impart to the other of the said members a rotation corresponding to the added movements of both said servo means.

2,499,229
REFRACTORY INSULATING BRICK AND METHOD OF MANUFACTURE
Adam S. Rankine, Jr., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 4, 1947, Serial No. 778,029
10 Claims. (Cl. 106—41)

1. A moldable heat hardenable matrix mixture adapted for making light weight refractory insulating brick having a density of 48–53 lbs./cu. ft. and substantial volumetric stability up to 2600° F. consisting essentially of finely divided bonding clay, kyanite and pyrophyllite in approximately the dry weight proportions of about ⅔ parts clay and about ⅙ parts each of kyanite and pyrophyllite.

2,499,230
FURNITURE SPACER
Robert F. Sharrow, Fort Wayne, Ind.
Application November 19, 1948, Serial No. 61,066
10 Claims. (Cl. 45—137)



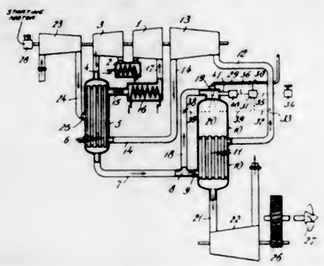
1. An adjustable furniture spacer for spacing a piece of furniture from a wall, comprising a unitary member formed in a substantially zigzag configuration, one end portion of said member adapted to bear against the surface of a baseboard, the other end portion of said member being shaped to engage the leg of a piece of furniture, and the overall length of said member being adjustable by increasing or decreasing the magnitude of the angles in the zigzag configuration.

2,499,231
METHOD OF PRODUCING SURFACE CONVERSION COATINGS ON ZINC
Jesse E. Stareck, Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application August 25, 1944, Serial No. 551,260
1 Claim. (Cl. 204—35)

A method of making surface conversion coatings on zinc, which are formed by passing current at 2 to 50 amperes per square foot to the zinc surface connected as anode, immersed at room temperature in an aqueous solution consisting essentially of a soluble chromate and a silicofluoride auxiliary acid radical in a proportion of Cr^{VI} to SiF_6 within the range 20:1 to 60:1 and having a pH between 3 and 7, transparent so as to exhibit the color of the underlying metallic zinc, which comprises soaking articles having said surface conversion coatings thereon in hot water until the coating becomes transparent.

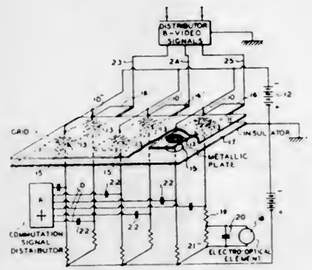
2,499,232
GAS TURBINE PLANT
René Strub, La Chaux-de-Fonds, Switzerland
Application October 7, 1944, Serial No. 557,617
In Switzerland December 31, 1943
6 Claims. (Cl. 60—49)

5. In a gas turbine plant of the semi-circuit type including a combustion chamber, a fuel supply line leading thereto and a device for regulating the quantity of fuel supplied, the improvement which includes a limiting device for controlling the permissible range of regulation of the fuel regulating device and means for influencing said limiting device in accordance with the combustion chamber pressure so that the mean value of the quantity of fuel which can be delivered over the permitted regulating range is greater at high



combustion chamber pressures than at low combustion chamber pressures.

2,499,233
ELECTROIONIC RELAY AND ITS APPLICATION TO THE SCANNING
Pierre Marie Gabriel Toulon, Paris, France
Application August 4, 1947, Serial No. 766,034
In France June 28, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 28, 1959
12 Claims. (Cl. 315—350)

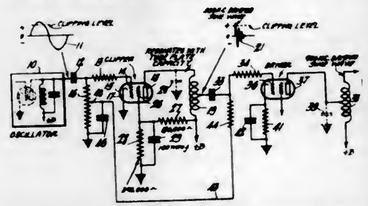


1. An electric discharge system, comprising, in a gaseous atmosphere substantially at atmospheric pressure, a sharp discharge member, an electric discharge pervious electrode located adjacent said sharp discharge member, means for maintaining a constant potential difference between said member and said electrode to establish a discharge of constant intensity, a discharge collector electrode for collecting discharge passing through said electric discharge pervious electrode, means for maintaining said collector electrode at a fixed potential with respect to said electric discharge pervious electrode, and a control electrode of controllable potential located intermediate said collector electrode and said discharge pervious electrode.

2,499,234
PULSE FORMING CIRCUIT
Simeon I. Tourshou, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1944, Serial No. 570,129
3 Claims. (Cl. 250—27)

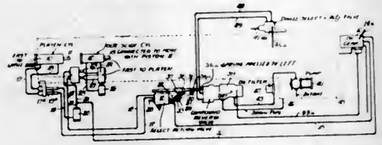
1. In combination, a vacuum tube having a control grid, a screen grid and an anode, means for applying a periodic voltage of comparatively

long duration to said control grid, said voltage periodically exceeding a predetermined positive value, means for applying a direct-current operating voltage to said anode, said tube having an anode circuit that is resonant at a frequency that is high compared with the periodic rate of said periodic voltage, means for biasing said tube beyond anode current cut-off in the absence of a voltage on said control grid that exceeds said predetermined positive value, means



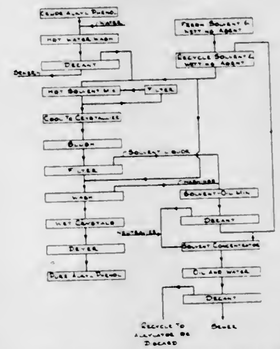
for applying a direct-current voltage to said screen grid through a resistor of sufficiently high resistance to cause a large voltage drop thereacross when there is a flow of screen grid current, and a capacitor connected between said screen grid and ground, the time constant of the discharge path for said capacitor being short compared with the periodic rate of said periodic voltage, said discharge path being through the internal impedance of said tube.

2,499,235
HYDRAULIC SYSTEM FOR PLURAL MOTOR OPERATION
Levi D. Tyson, Elkhart, Ind., assignor, by mesne assignments, to Gisholt Machine Company, a corporation of Wisconsin
Application August 13, 1943, Serial No. 498,491
6 Claims. (Cl. 60—97)



1. In combination, a pair of reciprocating fluid motors each comprising a cylinder and a piston operable therein and which constitute a relatively stationary and a relatively movable element, the relatively movable element of one of said motors being connected to the relatively stationary element of the other of said motors, a common source of liquid pressure adapted to be selectively connected to the two ends of each of said cylinders, selective valve means for predetermining the sequence of operation of said motors, said selective valve means including a housing having a bore, a first passageway connected to said source, a second passageway and a third passageway connected to two opposite ends of said pair of cylinders, three ports connecting said bore with said first passageway, a port connecting said second passageway with said bore, and a port connecting said third passageway with said bore, said first passageway being connected to said third passageway through a check valve adapted to stop flow from said third passageway to said first passageway, and a plunger in said bore having a pair of pistons, said plunger being adapted to be positioned to permit access from said first passageway to said second and third passageways, said plunger having another position in which one of said pistons is adapted to block communication between said third passageway and said first passageway, and said plunger having still another position in which one of said pistons stops communication between said second passageway and said first passageway.

2,499,236
PURIFICATION OF PHENOLS
Carll F. Van Gilder, Roselle, and Theodore J. Peters, Jr., Somerville, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 3, 1947, Serial No. 789,392
4 Claims. (Cl. 260—624)

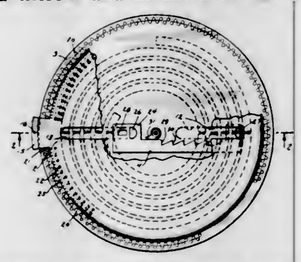


1. In the method of isolating and purifying a crystalline alkylated phenol from an acidic crude mixture of the alkylated phenol wherein an acidic catalyst has been employed, which comprises washing the crude mixture with water, agitating the thus washed crude mixture with an aqueous alcohol solution in which the alkylated phenol has slight solubility at 50° C., so as to form a mass of two distinct liquid phases, cooling the resultant mass of said aqueous alcohol solution with said washed crude mixture until the mass becomes a slush containing crystals of the alkylated phenol, and separating said crystals from the remaining liquids, the improvement which comprises adding 1 to 3% by volume of C_{12} to C_{18} long chain alcohol sulfates to the aqueous alcohol solution which is agitated with said washed crude mixture prior to said cooling.

2,499,237
ADDING DEVICE
Franklin Veatch, Cleveland, and Melvin M. Fink, Parma, Ohio
Application July 8, 1948, Serial No. 37,654
1 Claim. (Cl. 235—67)

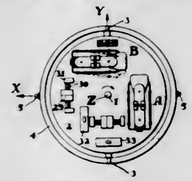
An adding device comprising a circular lower face member and a circular upper face member having a slideway therein, means for joining said upper and lower face members together at the center thereof and at a point on the edge thereof whereby they are held in non-rotatable position relative to each other, a rotatable disc extending beyond said face members throughout the periphery of said disc except at the edge point where the face members are joined, perforations on the periphery of said disc, numbers on the periphery of the upper face member spaced in accordance with the perforations, figures uniformly arranged in a convoluted path in which

the number of figures in each convolution is equivalent to the number of holes in the periphery of the disc, the major portion of each convolution of said path being circular and the minor portion being spiral leading to the next circular portion, a slide having ratchet teeth formed therein and mounted for movement in



said slideway over said figures, a window within said slide through which one of said figures may be read, and a pawl movable with said disc and acting on said ratchet teeth to advance said slide during the time the spirally arranged figures appear in said window so that the window will always appear over the numbers in said curved path.

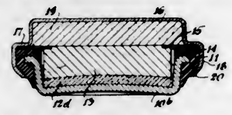
2,499,238
ERECTING SYSTEM FOR GYROSCOPES
Richard F. Wehrlin, New York, N. Y., assignor, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y., a corporation of Connecticut
Application September 8, 1944, Serial No. 553,275
8 Claims. (Cl. 74—5.44)



1. A self erecting gyro comprising a gyro rotor, an inner supporting ring therefor, means for rotatably supporting the gyro rotor with its spin axis in a predetermined position with reference to the said inner ring, torque applying means for precessing the gyro to erect the same, actuating means for said torque applying means comprising thermo-responsive means movable to regulate said torque applying means, electric heating means for heating said thermo-responsive means to move the same, inclinometer means for regulating supply of current to said electric heating means according to direction of tilt of said gyro, and a follow-up between said torque applying means and said inclinometer means for maintaining the said inclinometer means in apparent level position.

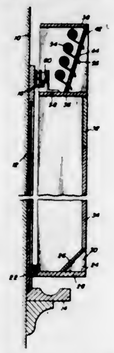
2,499,239
FLAT TYPE ALKALINE DRY CELL
Fred D. Williams, Jr., New Rochelle, N. Y., assignor to Samuel Ruben, New Rochelle, N. Y.
Application July 11, 1947, Serial No. 760,297
14 Claims. (Cl. 136—111)

1. A primary dry cell comprising, in combination, anode and cathode shells held in insulative sealing relation, a cathode of depolarizer material in said cathode shell, an anode constituted by a solid body of compressed amalgamated zinc particles in said anode shell, said body having a preformed slightly convex operative surface



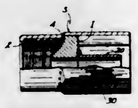
and having substantially all of its opposite surface in pressure contact with the inner surface of said anode shell, and a deformable body of electrolyte of substantially solid consistency interposed between and in contact with said cathode and the convex surface of said anode.

2,499,240
COMBINATION CHART RACK AND CHALK BOARD
Daymond J. Aiken, Lockport, Ill.
Application July 1, 1949, Serial No. 102,641
5 Claims. (Cl. 35—63)



1. A combination chart rack and chalk board comprising a housing, means for slidably suspending said housing on a wall-board rail, a chalk board carried by said housing, and a plurality of spaced roll-away charts suspended in said housing above said chalk board and adapted to be drawn over said chalk board, said means including rollers carried by said housing to the rear of said roll-away charts, said rollers being adapted to engage a wall-board rail.

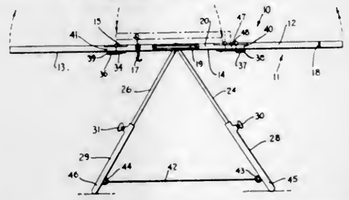
2,499,241
METHOD OF MAKING HOSE ENDS
Louis B. Courtot, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application May 10, 1947, Serial No. 747,196
1 Claim. (Cl. 29—148.2)



The method of making a hose end connector comprising producing a shell member by forming one end of a metallic tube which is circular in cross section and of uniform thickness into an

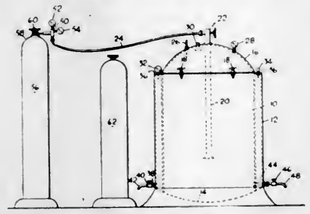
integral threaded, thickened nipple portion providing an integral shoulder facing away from the threads, forming an insert having a head portion whose cross section is a regular polygon, the radius of an inscribed circle of said polygon being substantially equal to the internal radius of the tube portion of said shell, pressing said polygonal head axially into the tube portion of said shell and into engagement with said shoulder to expand the tube portion into a corresponding polygonal shape and into pressure engagement with the surface of the polygonal head.

2,499,242
PORTABLE RESUSCITATING TABLE
Margaret Marshall Fleming, Port Arthur, Tex.
Application December 15, 1945, Serial No. 635,167
2 Claims. (Cl. 128—28)



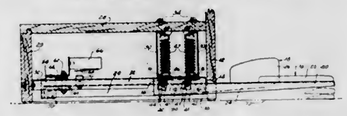
1. A portable table for use in practicing the Eve method of resuscitation, comprising a center section, two end sections, hinges connecting the end sections with the center section, said sections being extensible to comprise an elongated platform, means to pivotally support the center section so that all three sections may be rocked together, said means comprising a bearing plate secured to and extending across the center section, pintles on the ends of said plate and collapsible legs pivotally securable to said pintles.

2,499,243
METHOD OF PRESERVING EDIBLE LIQUIDS
Alberto Franklin, Caracas, Venezuela
Application September 19, 1945, Serial No. 617,328
1 Claim. (Cl. 99—155)



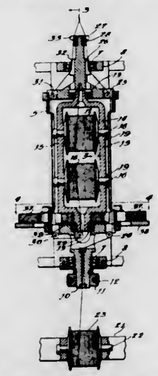
A process of preserving raw, untreated edible liquids comprising: placing a body of such liquid in a sterile, closed container at atmospheric pressure; injecting carbon dioxide adjacent the bottom of said container; maintaining the pressure substantially at atmospheric until the atmosphere above the liquid in said container is substantially pure carbon dioxide; then injecting additional carbon dioxide to bring the pressure within the container to not substantially less than 6 atmospheres; maintaining said pressure stable for not substantially less than 4 hours; then relieving said pressure to atmospheric while simultaneously heating said liquid to a temperature at which carbon dioxide is substantially insoluble therein at atmospheric pressure; thereupon discontinuing said heating and simultaneously injecting molecular oxygen adjacent the bottom of the container; maintaining the pressure in said container substantially at atmospheric by bleeding from the top of the container until the atmosphere in the container above the liquid is substantially pure oxygen; then injecting additional oxygen to bring the pressure within the container to not substantially less than 6 atmospheres; maintaining said pressure stable for not substantially less than 4 hours; then relieving said pressure to not substantially less than 3 atmospheres and storing said liquid under the latter pressure.

2,499,244
PEDAL CLAVIER FOR MUSICAL INSTRUMENTS
Laurens Hammond, Chicago, and George H. Stephens, Glencoe, Ill., assignors to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application February 27, 1948, Serial No. 11,455
8 Claims. (Cl. 84—426)



8. In a pedal clavier for musical instruments in which the clavier is placed close to the floor comprising, a plurality of pedals, each pedal having a forward end for engagement by the foot of the player, a stop to limit upward movement of the rearward end of the pedal, a downwardly facing fulcrum, yieldable resilient means to hold an intermediate part of the pedal upwardly against the fulcrum, and a musical tone controlling element operated by the pedal upon pivotal movement thereof as the result of stepping upon its forward end.

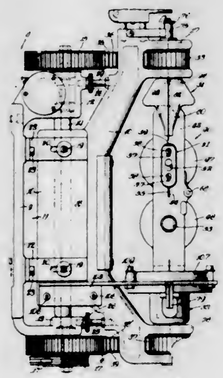
2,499,245
WIRE LAYING MACHINE
Albert G. Harmon, South Bend, Ind., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application April 20, 1948, Serial No. 22,072
3 Claims. (Cl. 57—59)



1. In a skip-type wire laying machine, a hollow rotor adapted to be driven at high speed; a

spool cradle antifrictionally journalled in said rotor, said cradle being arranged to receive a plurality of spools of wire; wire guiding elements associated with said rotor to guide one wire from one spool through the bearing at one end of said cradle to a forming head, and another wire from another spool through the opposite bearing of the cradle and around said cradle to said forming head; and magnetic means to prevent rotation of the cradle with the rotor.

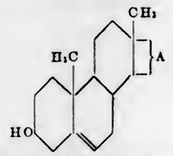
2,499,246
STRANDING MACHINE
Albert G. Harmon, South Bend, Ind., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application August 9, 1948, Serial No. 43,183
11 Claims. (Cl. 57—58)



1. In a wire stranding machine, the combination of frame means, upper and lower rotor members journalled in spaced vertical relation on said frame means about a common vertical axis, cradle means extending between and journalled at its opposite ends in said rotor members and with its lengthwise axis aligned with the axis of rotation of said rotor members, spools adapted to carry coils of wire mounted for rotation in said cradle means with their axes extending transversely of the lengthwise axis of said cradle means, guide means for said rotor members for guiding a strand of wire from one of said spools through said lower rotor and vertically upwardly to said upper rotor outwardly of the periphery of said cradle means, drive means for said rotor members for driving the latter in synchronism, first magnetic means fixed to said cradle means, and second magnetic means supported in fixed relation on said frame means in alignment with said first magnetic means for preventing rotation of said cradle means, said second magnetic means being spaced from said first magnetic means to provide a gap therebetween for passage of said strand of wire from said lower rotor to said upper rotor.

2,499,247
2, 13 - DIMETHYLDODECAHYDROPHENANTHRENE HYDROXY LACTONES AND DERIVATIVES THEREOF
Robert P. Jacobsen, Shrewsbury, and Gregory Pincus and Harold Levy, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application October 17, 1947, Serial No. 780,564
10 Claims. (Cl. 260—344.6)

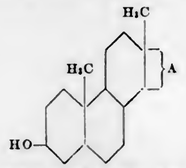
8. A new composition of matter having the formula



wherein A is a lactone grouping of the empirical formula $C_3H_4O_2$.

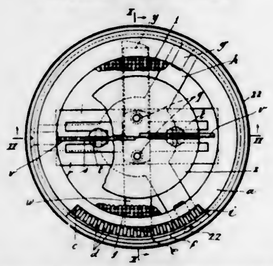
2,499,248
2,13 - DIMETHYL - POLYHYDROPHENANTHRENE LACTONE DERIVATIVES AND THE PREPARATION THEREOF
Gregory Pincus, Worcester, Robert P. Jacobsen, Shrewsbury, and Harold Levy, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application October 17, 1947, Serial No. 780,565
11 Claims. (Cl. 260—344.6)

8. A new composition of matter having the formula



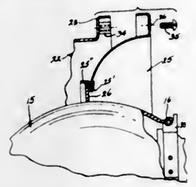
wherein A consists of alcoholic and primary aliphatic acid substituents having an aggregate empirical formula of $C_3H_6O_3$.

2,499,249
ELECTRIC RAZOR
Marcel Jay, Paris, France
Application September 14, 1945, Serial No. 616,317
In France May 6, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 6, 1961
4 Claims. (Cl. 30—43)



1. A device for selectively shaving short hairs or cutting long hairs, including, in combination, a support, fixed means for the entry of short hairs comprising a thin perforated grate, fixed means for the entry of long hairs comprising a plurality of radial teeth disposed on the periphery of said grate, power driven cutting means operable against said grate and said teeth, and a guard on said support selectively adjustable with respect to said radial teeth to shield said teeth from the entry of long hairs or expose said teeth to entry thereof.

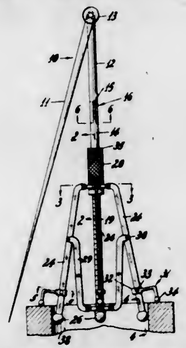
2,499,250
ELECTRIC LIGHTING FIXTURE
Sam Kasher, Flushing, N. Y.
Application May 26, 1948, Serial No. 29,281
3 Claims. (Cl. 240—78)



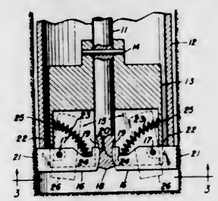
2. In an electric lighting fixture of the character described, a reflector bowl presenting a surface of part of a sphere including a diametral region, a structure supporting said reflector bowl, including a ring surrounding the reflector bowl and contacting same between its mouth and a diametral plane thereof; the reflector bowl being adapted for ball-rolling movement in contact with said ring so positioned, co-operating means on the reflector bowl and the supporting structure to limit the scope of such ball rolling movement, another co-operating means on said reflector bowl and the supporting structure to maintain said reflector bowl against rotational movement about a predetermined axis, comprising a bar carried on the exterior of the reflector bowl in a plane substantially parallel to such axis and a track means on the supporting structure; said bar being slidably positioned through said track means free for longitudinal movement therethrough and capable of swinging movement in said track means at any position of said bar and at most a slight lateral movement, a socket carried within the reflector bowl adapted for mounting therein an electric light bulb and spring means carried on the supporting structure to maintain the reflector bowl in constant contact in position against said ring.

2,499,251
DEVICE TO CHECK BORE DIAMETERS AT PRESELECTED DEPTHS
Bruno J. Marascio, Phillipsburg, N. J.
Application February 5, 1947, Serial No. 726,633
1 Claim. (Cl. 33—178)

An instrument adapted for checking the diameter of a hole in a block or other piece of work, comprising a threaded stem having a sleeve threadably mounted thereon in engagement with the stem, said sleeve having a collar thereon provided with spaced ears, arms having their upper extremities pivoted to said ears, a second collar on the lower extremity of said stem and having similarly spaced ears, links having their lower extremities pivoted to said last-named ears and having their upper extremities pivoted to said arms intermediate the length of the latter, said arms having enlarged rounded extremities, adapted to contact the wall of the hole through said block, said arms having brackets slidably mounted thereon and extending radially outward and downward from said arms, means for releasably locking said brackets on said arms, said brackets having enlarged rounded extremities adapted to contact the upper surface of said block.

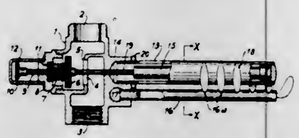


2,499,252
EARTH BORING TOOL
Gurney L. Michael, Minersville, Ohio
Application December 26, 1947, Serial No. 793,816
1 Claim. (Cl. 255—73)



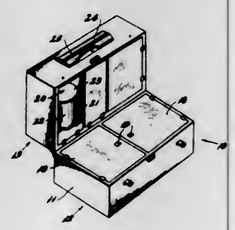
In an earth boring tool, the combination of a vertical drive shaft having a pointed lower end, a cylindrical head secured to the lower end portion of said drive shaft above the pointed end of the latter, the lower portion of said head being provided with a set of radially extending slots having open bottoms and extending outwardly from said shaft to points spaced inwardly from the lateral surface of the head whereby the latter affords wall portions of the outer ends of said slots, lower edges of said wall portions terminating substantially above the bottom surface of said head to provide lateral openings in the head constituting outward continuations of said slots, the lower end portion of said shaft being provided with recesses in register with the slots, horizontal pins provided in the head and extending transversely of the slots, a set of elongated cutters pivotally mounted intermediate the ends thereof on said pins and swingable from retracted positions in said slots to operative positions wherein outer end portions thereof project through said openings and their inner end portions are disposed in said recesses and supportably engaged by said shaft, upper edges of said cutters abutting lower edges of said wall portions when the cutters are projected, and resilient means in said slots for urging the cutters to their projected positions.

2,499,253
AUTOMATIC SAFETY CONTROL FOR GAS BURNERS
Robert E. Newell, Irwin, Pa.
Application January 9, 1946, Serial No. 639,965
9 Claims. (Cl. 158—117.1)



1. A flame-responsive trip type control unit including a housing, a slidable stem extending through the housing, accessible for manual movement to a first position, a spring mounted to urge said stem toward an opposite or second position, a gas valve seat in the housing, a valve secured to said stem and adapted to rock or flex in a plane substantially normal to said stem for effective cooperation with the valve seat, a thermal tube secured to the housing and extending outwardly therefrom, means propagating a flame which is directed to engage said tube at an angle tangent to the outer surface of the tube, on one side only, thereby heating the tube unequally and flexing it laterally, at its outer end, and a latching arm secured to the outer end of the tube and extending back toward the housing, the movement transmitted to said latching arm from the outer end of said tube being reversed and amplified at the free end of the arm, which is in position, when the tube is flexed by the heat of said flame, to abut against one end of said stem to hold the stem in said first position, and to move clear of said stem and permit the stem, and the control member attached thereto, to move to said second position, when said flame is extinguished and said thermal tube returns to its normal position.

2,499,254
THERMOS LUNCH BOX
Clyde Parker, Kannapolis, N. C.
Application October 1, 1947, Serial No. 777,257
1 Claim. (Cl. 206—4)

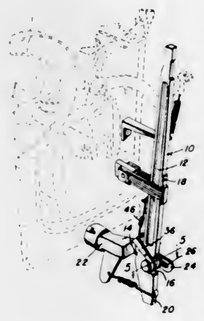


A lunch box comprising a body portion and a cover portion hinged to said body portion, said body and cover portions having substantially the same depth, transverse partitions in said portions dividing the same into compartments, the walls of said portions and of said partitions having heat insulating means therein, one of said compartments having opposed spring clips secured to opposite walls thereof and adapted to hold a container, said compartments having covers hinged thereto and provided with latches for keeping the same closed, the front wall of said cover portion of the box having an elongated container on the outer surface thereof, said elongated container having a longitudinal opening through the front wall thereof and having a slide fastener closure means for opening or closing said opening.

2,499,255
CATALYST PREPARATION
Robert L. Parker, Jr., Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application September 18, 1944, Serial No. 554,719
7 Claims. (Cl. 196—52)

1. A process for the catalytic conversion of hydrocarbons which comprises subjecting said hydrocarbons to a temperature between about 700° F. and about 1200° F. in the presence of a catalyst comprising a major proportion of a carrier and a minor proportion of a molybdenum oxide-containing catalytic agent, said catalyst having been prepared by a process which comprises commingling said catalytic agent and said carrier both in powdered form in the proportions desired in the final product, forming the mixture into pellets, and heating the pellets in the absence of agitation, to a temperature between about 1000° F. and 1500° F. for a time sufficient to sublime said molybdenum oxide and adsorb the sublimed vapors on the carrier.

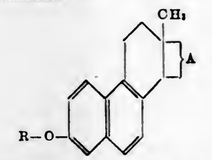
2,499,256
PICKER STICK AND MOUNTING THEREFOR
Worth C. Payne, Greensboro, N. C., assignor of ten per cent to Zachariah H. Howerton, Sr., and ten per cent to Frank J. Robinson, both of Greensboro, N. C.
Application November 8, 1948, Serial No. 58,904
5 Claims. (Cl. 139—156)



1. A picker stick and mounting therefor comprising a laterally extending stud mounted on a loom parallel, a picker stick having a notch opening through one edge near its lower end for receiving the stud and pivotally supporting the picker stick on said parallel and means on the picker stick closing the open end of the notch and movable automatically out of notch closing position when the normal movement of the picker stick is obstructed.

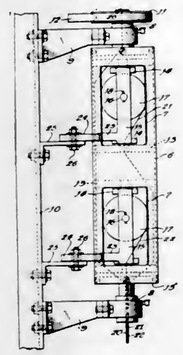
2,499,257
2 - METHYL - 7 - HYDROXY - TETRAHYDROPHENANTHRENE - CARBOXYLIC ACID DERIVATIVES AND THE PRODUCTION THEREOF
George M. Picha, Chicago, Ill., and Robert P. Jacobsen, Shrewsbury, and Gregory Pincus, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application December 17, 1947, Serial No. 792,324
19 Claims. (Cl. 260—344.6)

1. A new composition of matter having the structural formula



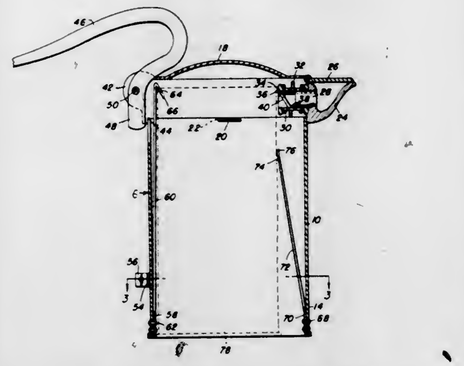
wherein A represents a member of the group consisting of a lactone grouping having the empirical formula $C_3H_4O_2$ and the corresponding hydroxy and aliphatic carboxylic acid substituents having an aggregate empirical formula $C_3H_6O_3$ derived from said lactone by hydrolysis, and wherein R is a member of the group consisting of hydrogen, lower alkyl, and lower alkanoyl radicals.

2,499,258
WIRE LAYING MACHINE
Robert C. Pierce, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan
Application May 5, 1947, Serial No. 745,913
2 Claims. (Cl. 57—59)



1. A wire laying machine comprising a frame, bearing bracket means supported by said frame, rotor means having shaft means journalled in said bearing bracket means for supporting said rotor means for rotation about a vertical axis, said shaft means having wire passageway means therein, spool cradle means journalled in said rotor means coaxially of the vertical axis of the latter, said spool cradle means providing for the support of a spool carrying a first coil of wire, guide means for said rotor means for guiding a second wire from a source disposed remotely from said rotor means in a substantially cylindrical path lying outwardly of the periphery of said spool cradle means, said first and second wires being adapted to pass through the wire passageway means of said shaft means to provide for laying of said wires together at the exit end of said wire passageway means, and means for restraining rotation of said spool cradle means with said rotor means comprising, a first magnet secured to said cradle means to lie in a horizontal plane intermediate the ends of the cylindrical path of rotation of said second wire, said first magnet having the pole faces thereof lying immediately inwardly of the cylindrical path of rotation of said second wire, and a second stationary magnet supported by said frame in aligned horizontal relationship with said first magnet for cooperation therewith to establish a magnetic circuit therebetween, said second magnet having the pole faces thereof disposed to provide a narrow gap for the magnetic circuit between said magnets outwardly of the periphery of said rotor means and with the gap lying in the cylindrical path of travel of said second wire.

2,499,259
POURING ATTACHMENT FOR CONTAINERS
Wilber W. Prickett, San Diego, Calif., assignor of one-half to Mona E. Prickett, San Diego, Calif.
Application September 14, 1948, Serial No. 49,185
8 Claims. (Cl. 222—86)



8. A pouring attachment for containers comprising a casing adapted to loosely embrace a container, a pair of elongated spring members each fixed at one of its ends to the inner surface of said casing for yieldingly receiving and supporting a container placed in said casing, a closure for said casing, a pivotal handle carried by said closure and including a bearing portion, said closure and said casing having communicating openings adapted to receive the bearing portion of said handle, said bearing portion of said handle engageable with the free end of one of said spring members for forcing the same toward the remaining of said members, means carried by one of said spring members for punching an opening in the top of a container, a pouring spout carried by said closure, a conduit leading from the interior of said casing to said spout, a blade carried by said conduit adapted to punch an opening in a container as the bearing portion of said handle forces one of said spring members against a container, and means carried by said conduit for sealing the area about an opening in a container formed by said blade.

2,499,260
NECKTIE
Edwin Rhein, Little Rock, Ark.
Application June 11, 1947, Serial No. 753,854
1 Claim. (Cl. 2—146)



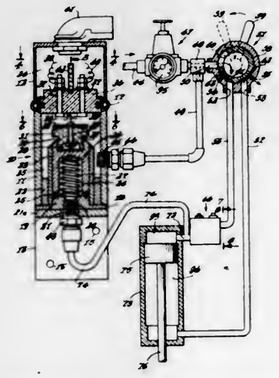
A necktie of the four-in-hand type having a pair of longitudinally spaced physically detectable members disposed on the inside surface thereof for positioning in transverse and superposed coextensive alignment when said necktie is inserted within a collar to facilitate the formation by the sense of feel of a perfect knot and co-extensive ends, said physically detectable means comprising a pair of co-extensive raised portions formed on the back surface of the tie and disposed with relation to each other and to the ends of the tie in such position that the ends of the tie are in correct positioning for a single neck size.

2,499,261
COMPOSITIONS AND METHODS FOR DEPOSITING AMORPHOUS METAL-PHOSPHATE COATINGS ON METAL SURFACES
Harold I. Rosenbloom Pittsburgh, Pa., assignor to Hall Laboratories, Inc.
No Drawing. Application November 23, 1945, Serial No. 630,548
24 Claims. (Cl. 117—127)

2. A process for depositing an amorphous metal-phosphate coating on the surfaces of metals to prevent corrosion thereof which comprises subjecting a metallic surface composed of at least one of the metals of the group consisting of iron, copper, zinc, silver, and magnesium to the action of an aqueous solution having a pH value between about 3 and 8, and containing in solution at least 100 p. p. m. by weight of a metal ion of at least one element selected from the group consisting of calcium, zinc, cobalt, magnesium, cadmium, iron, aluminum, barium, strontium, manganese, chromium, and nickel, at least 200 p. p. m. by weight of a water-soluble alkali-metal phosphate glass and at least 10 p. p. m. of an oxidizing agent selected from the group consisting of water-soluble inorganic nitrates, nitrites, sulfites, permanganates, chromates, ferricyanides, dichromates, and perborates, and maintaining the ratio of the phosphate glass concentration in said solution to the concentration of the metal ion therein between the values of about 0.05:1 and about 12:1.

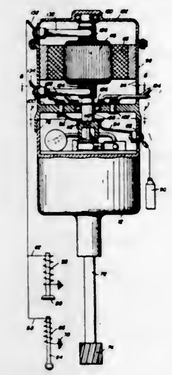
2,499,262
SELF-ADJUSTING PNEUMATIC PRESSURE SWITCH
Bernard Stoudt, Brooklyn, N. Y., assignor to Ames Spot Welder Co., Inc., Brooklyn, N. Y., a corporation of New York
Application July 24, 1948, Serial No. 40,535
3 Claims. (Cl. 200—82)

2. A fluid pressure apparatus comprising a main conduit adapted to have fluid fed therein and driven by the distributor of an internal combustion engine and responsive to a predetermined engine speed for operating said valve to closed position.

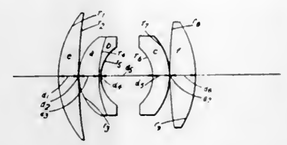


2,499,263
ELECTRIC GOVERNOR AND IDLE CONTROL
Leonard S. Troy, Clarks Summit, Pa.
Application March 29, 1948, Serial No. 17,733
11 Claims. (Cl. 123—102)

1. In an internal combustion engine having a combustible mixture supply conduit with a throttle valve and an idling jet passage therein; a control means for said idling jet passage comprising a valve controlling flow through said idling jet passage, and means including a generator mounted within and driven by the distributor of an internal combustion engine and responsive to a predetermined engine speed for operating said valve to closed position.



2,499,264
LARGE APERTURE SPHERICALLY CORRECTED OBJECTIVE HAVING TWO OUTER POSITIVE COMPONENTS AND TWO INNER NEGATIVE MENISCUS COMPONENTS WITH ONE CEMENTED SURFACE
Charles Gorrie Wynne, Bromley Hill, England, assignor to Wray (Optical Works) Limited, Bromley Hill, England, a British company
Application February 7, 1945, Serial No. 576,648
In Great Britain February 25, 1944
5 Claims. (Cl. 88—57)

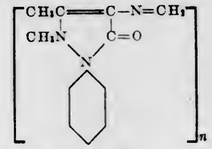


1. An optical lens having a relative aperture not less than F/2.5 and comprising an aperture stop, two meniscus components disposed adjacent to, concave to and one on each side of said aperture stop, and each formed with the concave surface of greater curvature than the convex surface of same, the meniscus component located on the front side of said aperture stop being formed as a cemented doublet and the meniscus component on the rear side of said stop being a single-element lens, and front and rear convergent systems each on the side of one of said menisci remote from said aperture stops, said lens elements being spaced with the ratio of the axial separation between the concave surfaces of said menisci and the axial distance from the rear surface of said front convergent system to the front surface of said rear convergent system not substantially less than 0.45 and not substantially greater than 0.57, and said cemented doublet comprising a divergent element having Abbé V number less than 37.0 and a convergent element having Abbé V number greater than 54.0.

2,499,265
4-METHYLENEAMINO-PYRAZOLONE DERIVATIVE
Maurice Ernest Bouvier, St.-Didier au Mont d'Or, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French company
No Drawing. Application May 15, 1946, Serial No. 670,042. In France January 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 18, 1964
5 Claims. (Cl. 260—310)

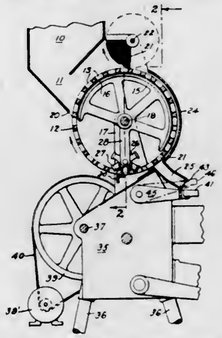
1. A process for the preparation of 1-phenyl-2:3-dimethyl-4-methyleneamino-pyrazolone which comprises mixing an aqueous solution of 1-phenyl-2:3-dimethyl-4-aminopyrazolone with formaldehyde and separating 1-phenyl-2:3-dimethyl-4-methyleneaminopyrazolone from the reaction mixture.

5. Compounds having the formula



where n is a positive integer.

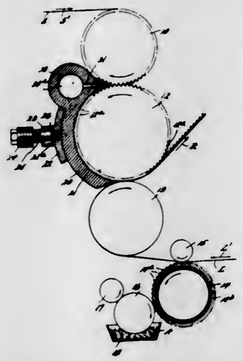
2,499,266
FEED MECHANISM FOR FRUIT ORIENTING AND PITTING MACHINES
Ellsworth W. Carroll, Redwood City, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Original application November 23, 1942, Serial No. 466,696. Divided and this application September 10, 1946, Serial No. 696,014
5 Claims. (Cl. 146—18)



1. Feed mechanism for a machine, comprising a rotatable feed drum having a plurality of peripheral rows of apertures therein to receive items to be fed to such machine from above, a skid plate positioned adjacent the periphery of said drum holding said items in said apertures as said periphery moves downwardly, and terminating beneath said drum, a chute positioned to receive items falling by gravity from said apertures after release therefrom by termination of said skid plate, and a rotatable wheel positioned inside said drum in line with each peripheral row of said apertures, each said wheel including a plurality of radially extending pistons spaced to enter successive apertures of an associated row in response to rotation of said drum, each of said

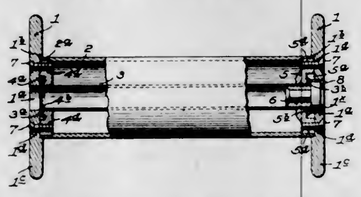
pistons having a length sufficient to reach the outer surface of said drum, and a scraper disposed adjacent the periphery of said drum at a location where the pistons reach the outer surface thereof, said location being on said periphery after said apertures clear said chute, and before said apertures are re-fed with said items.

2,499,267
MACHINE FOR MAKING CORRUGATED PAPERBOARD
William S. Conner, Atlanta, Ga.
Application September 11, 1945, Serial No. 615,570
5 Claims. (Cl. 154—30)



1. In a machine for making corrugated board, in combination, cooperating corrugating rollers and means for continuously stripping from the surface of one roll and directing onto the other roll the freshly corrugated strip issuing from the roll pass, said means comprising a device for directing a jet of fluid under pressure toward the roll pass and against one side of the corrugated paper.

2,499,268
UNIT BOBBIN CONSTRUCTION
Earl G. Crooks, Binghamton, N. Y., assignor to Lestershire Spool and Manufacturing Company, Johnson City, N. Y., a corporation of New York
Application May 10, 1949, Serial No. 92,335
4 Claims. (Cl. 242—124)

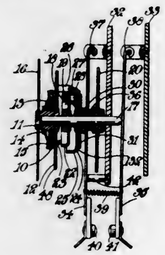


1. In a bobbin or the like, a unit assembly consisting of a barrel having annular recesses in the ends of the bore thereof, washers seated within the annular recesses and having central bores, and a center tube extending through the bores of the washers with its ends rolled over the outer faces of the washers, thereby locking the parts together.

2,499,269
PICKLING OF MAGNESIUM AND ITS ALLOYS
Herbert K. De Long, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 6, 1947, Serial No. 778,282
3 Claims. (Cl. 134—30)

3. The method of pickling an article of magnesium or magnesium-base alloys containing at least 85 per cent of magnesium which comprises immersing the article in an aqueous solution of aluminum chloride having a concentration of about 80 to 165 grams of $AlCl_3$ per liter of solution and a temperature between about 10° and 60° C. for about 5 seconds to 30 minutes, rinsing, and drying.

2,499,270
CLOCK-CONTROLLED SWITCH GEAR
John Wyndham Ellis, Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited, Cricklewood, London, England, a British company
Application May 29, 1947, Serial No. 751,480
In Great Britain June 6, 1946
6 Claims. (Cl. 200—38)

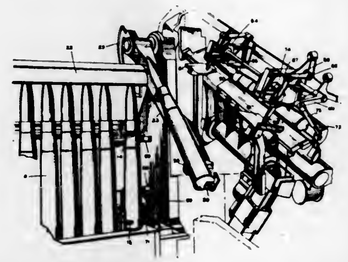


2. A clock controlled switch gear comprising an axially movable rotatable cam member driven by the clock mechanism and having two control cam tracks thereon, two cam followers rotatably adjustable about the axis of the cam member and arranged one on either side thereof, one of which is fixed against the axial movement and the other axially movable, two electric contacts movable towards and away from one another, means transmitting the axial movement of the rotatable cam member in one direction to one contact so as to move it away from the other contact and means transmitting axial movement of said axially movable cam follower in one direction to the other said contact so as to move it towards the first said contact.

2,499,271
AMMUNITION FEEDING DEVICE FOR ORDNANCE
Valentine Pearce Harvey, Gordon Francis Wellington Powell, and William Wood, Deptford, London, England, assignors to Molins Machine Company, Limited, London, England
Application May 15, 1945, Serial No. 593,834
In Great Britain February 7, 1944
19 Claims. (Cl. 89—33)

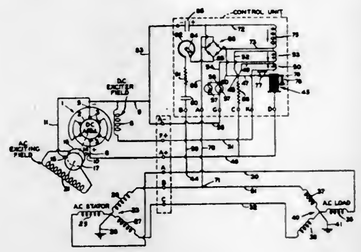
1. An ammunition feeding device for a gun having a loading tray movable in a cycle from a firing position to a loading position and back to a firing position, comprising a magazine for rounds, a delivery position to which rounds in the magazine are fed and which is stationary relative

to the gun mounting, feeding means to feed a round automatically to the delivery position for each cycle of movement of the loading tray, a waiting tray mounted to move with the gun cradle, a transfer device mounted to swing about the trunnion axis of the gun and connected and



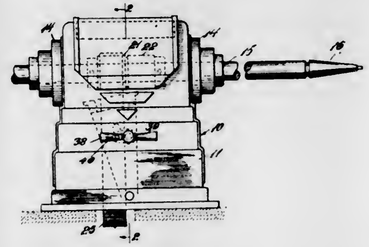
arranged to engage a round at the delivery position, means to actuate said transfer device automatically in timed relationship with the movement of the loading tray to transfer the round to the waiting tray, and means for moving a round from the waiting tray to the loading tray when the latter is in the firing position.

2,499,272
ANTIHUNTING CIRCUIT FOR ELECTRICAL REGULATORS
Harold G. Haas, Belleville, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 19, 1948, Serial No. 21,886
4 Claims. (Cl. 322—19)



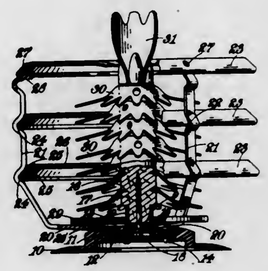
1. A regulator for a generator supplying line current to a variable load and including an exciter field, comprising a variable resistor, an armature operatively connected thereto, a spring biasing a portion of the armature to tend to operate said resistor in the direction to produce an increase in the exciter field current, a first winding tending to operate the armature in the opposite direction upon an increase of the regulated quantity, a second winding acting upon the armature as a follow-up promptly limiting the change of resistance of said resistor upon a change of said quantity, a reset means connected in series with said second winding across the exciter field, said reset means including a second variable resistor element arranged so as to increase the resistance of said series connection with current flow in a retarded manner so as to substantially eliminate the stated follow-up.

2,499,273
BELT SHIFTER
Max Leach, Providence, R. I., assignor to H. Leach Machinery Co., a corporation of Rhode Island
Application December 29, 1945, Serial No. 638,004
5 Claims. (Cl. 74—242)



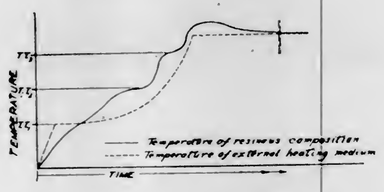
1. A belt shifter comprising a bifurcated pivoted lever providing spaced arms between which the belt passes, said lever having an elongated opening extending longitudinal thereof at a location thereon intermediate the ends thereof and means including an eccentrically mounted pin received in said opening and movable therein and operable for swinging said lever about its pivotal mounting for shifting the belt from one pulley to the other.

2,499,274
WASHING APPARATUS FOR HOLLOW WARE
Christopher Edmund Linnit and Bernard William Downs, Hastings, England
Application April 22, 1948, Serial No. 22,608
5 Claims. (Cl. 15—211)



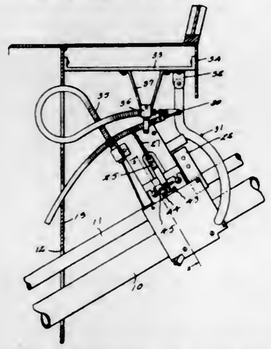
1. A washing apparatus comprising an upright core, a number of flexible elements extending out from said core, a frame encircling and carrying said core, a number of apertured spaced layers of flexible material encircling the core and provided with inwardly directed flexible elements, a number of rings each of U-shaped cross-section and shaped similarly to a hollow truncated cone of small axial length with the bend of the U arranged outermost, each of which rings encircles the periphery of a layer with the flanges of the U gripping opposite sides of the layer, said frame being provided with seatings for the aforesaid rings and means for retaining said rings on their seating.

2,499,275
PROCESS OF MAKING A FURFURYL ALCOHOL RESINOUS PRODUCT
Furnal L. McWhorter, Odessa, Del., assignor to Haveg Corporation, Newark, Del., a corporation of Delaware
Application July 12, 1947, Serial No. 760,636
6 Claims. (Cl. 260—67)



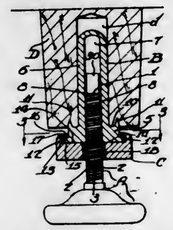
1. The method for the preparation of an insoluble, infusible resinous furane product from an initial resinous composition selected from the group consisting of the initial condensation product of furfuryl alcohol and of mixtures of furfuryl alcohol and not more than about 15% of furfural which comprises mixing, with an initial resinous composition selected from said group and of insufficient acidity to be convertible during the utilization thereof in the formation of products, a plurality of latent catalysts which are ineffective at room temperature to cause significant reaction in the resin but which, in the presence of said resinous composition and as the temperature thereof is raised by the application of external heat, become effective at definite but different threshold temperatures to promote condensation and polymerization of the resin with the accompanying liberation of exothermic heat and each of which, so long as the temperature of the external heating medium does not fall substantially below the threshold temperature for that catalyst but independent of further stimulus by the external heat, will spontaneously exert at least the major portion of its potential catalytic effect, each of said catalysts being mixed with said resin in an amount to cause the liberation of sufficient exothermic heat to raise the temperature of the resinous composition substantially above that of the external heating medium as the result of the activity of the said catalyst, each of said catalysts with a threshold temperature below that of the catalyst with the highest threshold temperature, being mixed with said resin in an amount insufficient to provide a substantially complete conversion of the resin but the total amount of the latent catalysts mixed with said resin being sufficient to bring about said conversion, and said catalysts having threshold temperatures at least 10° F. apart said catalyst with the highest threshold temperature having a threshold temperature no greater than the curing temperature of said resinous composition; supplying external heat to said composition to raise the temperature thereof gradually to cause each of said catalysts to become active as the threshold temperature thereof is reached; during said heating, controlling the supply of external heat so that the threshold temperature of the catalyst with the next higher threshold temperature is not reached until the liberation of exothermic heat caused by the action of the catalyst with the next lower threshold temperature has at least reached its maximum; and continuing the heating of the resinous composition until it is substantially completely converted into the insoluble, infusible state.

2,499,276
PARKING BRAKE CONTROLLED IGNITION AND LIGHT SWITCH, AND GEARSHIFT LEVER LOCK
William H. Mullins and William M. Gentry, South Boston, Va.
Application November 1, 1945, Serial No. 626,084
6 Claims. (Cl. 192—3)



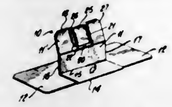
1. The combination with an emergency brake lever, and the ignition and lighting circuits of a vehicle, of a pair of switches interposed one each in said circuits, means biasing said switches to circuit closing position, a slide member, means supporting said slide member, means connecting said slide member with said brake lever, and means operatively connected to said slide member engageable with said switches whereby movement of said lever to braking position with movement of said slide member will move said switches to circuit breaking position.

2,499,277
CASTER STRUCTURE
Charles R. Nalle, Philadelphia, Pa.
Application October 18, 1945, Serial No. 623,030
4 Claims. (Cl. 16—19)



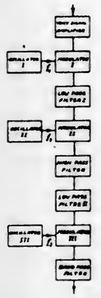
3. A caster structure composed solely of a floor engaging element including an externally threaded axial stem having at least one axial flat extending along the threaded portion thereof, a ferrule including an elongated neck having an axial bore adapted to receive said stem, at least one axial flat extending along said bore adapted to cooperate with the flat on the stem preventing relative rotation by permitting relative axial movement between the stem and ferrule, and a captive nut rotatably mounted on one end of said ferrule and provided with a central internally threaded bore for cooperation with the threads on said stem for effecting said relative axial movement between said floor-engaging element and said ferrule.

2,499,278
FASTENING ELEMENT FOR WALL AND CEILING CONSTRUCTIONS
Anders C. Olsen, Forest Hills, N. Y.
Application November 16, 1945, Serial No. 629,148
2 Claims. (Cl. 24—73)



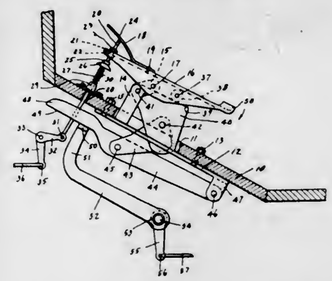
1. Fastening elements for suspending wall or ceiling panels from spaced elongated metal channels, each of said elements comprising a plate having panel-supporting flanges extending from one end at right angles to said plate, a channel-engaging tongue located at the opposite end intermediate the sides of said plate and forming therewith an L-shaped slot opening on said last-named end, said tongue and the adjacent edges of the body of said plate being adapted cooperatively to receive and engage complementary portions of a channel.

2,499,279
SINGLE SIDE BAND MODULATOR
Nils Vilhelm Peterson, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application April 14, 1948, Serial No. 20,908
In Sweden April 22, 1947
3 Claims. (Cl. 332—41)



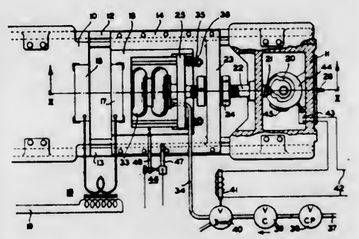
1. A wave transmission system comprising in combination a source of voice signal frequencies, a source of carrier frequency oscillation, the frequency f_1 of which is high relative to the voice signal frequencies, a modulating device in which said voice signal is impressed on said carrier frequency, a filter connected with the output of said modulating device for partial suppression of one of the side bands, a source of a second carrier frequency oscillation, the frequency f_2 of which differs from the frequency f_1 of the first mentioned carrier frequency by an amount less than the highest voice signal frequency to be transmitted and falling within the frequency range of the partially suppressed side band, a second modulating device in which the unsuppressed side band and said partially suppressed side band are impressed on said second carrier frequency, a high pass filter with a cut-off frequency of $(f_2—f_1)$ connected with the output of said second modulating device and a low pass filter in series with said high pass filter for selecting the lower side band, a source of a third carrier frequency oscillation, a third modulator for impressing said selected lower side band on said third carrier frequency, and a band pass filter for selecting one of the resulting side bands.

2,499,280
COMBINED PEDAL FOR MOTOR VEHICLES
Frank M. Redmon, Sr., West Newton, Ind., assignor of one-third to Robert E. Cline and one-third to James H. Cardinal, both of Indianapolis, Ind.
Application August 7, 1946, Serial No. 688,813
4 Claims. (Cl. 74—478)



1. A pedal controlled structure including a foot operable pedal pivotally mounted for clockwise tilting, an actuatable lever, the latter being adapted for connection to a vehicle control mechanism and rotatable counter-clockwise proportional to pedal rotation and normally constrained in the clockwise direction, a lever member similarly disposed with respect to the first mentioned lever and positioned thereabove and having the adjacent ends operatively engaged sequentially, link means pivotally connected together and having one end pivotally connected to the second mentioned lever between its pivotal support and the engagement and the other end pivotally supported adjacent the pedal, and bearing means operatively supported and actuated by the pedal and engaging the link means for first mentioned lever operation proportional to pedal operation and reverse thereof.

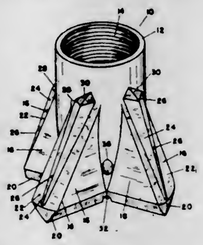
2,499,281
FLASH BUTT WELDING APPARATUS
Application September 13, 1946, Serial No. 696,659
Joseph J. Riley, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
5 Claims. (Cl. 219—4)



1. In electric resistance flash-butt welding apparatus the combination of a fixed platen, a car-

rier slideably mounted for movement toward and away from said fixed platen, a movable platen slideably mounted on said carrier for movement toward and away from said fixed platen, means to move said carrier to effect relative movement of said platens during the flashing period of a welding cycle, and means on said carrier to move said movable platen relative to said carrier to effect relative movement of said platens during the upsetting period of said welding cycle.

2,499,282
ROCK BIT
William A. Roberts, Lakewood, Colo.
Application July 11, 1946, Serial No. 682,889
1 Claim. (Cl. 255—64)



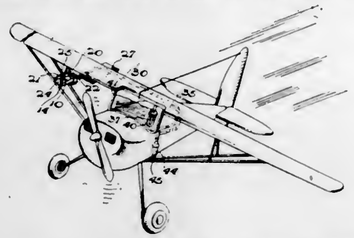
In a bit of the character described having an internally threaded tubular shank, the improvement comprising ribs on said shank in diametrically opposed relation to each other, said ribs having downwardly and outwardly inclined outer faces and concave sides, upwardly and outwardly tapered cutting edges on the outer lower ends of said ribs, upwardly and inwardly inclined cutting blades on the outer faces of said ribs centrally thereof, cutting edges on the upper ends of said cutting blades, a water inlet at the central vertical axis of the bit, a water passage in said shank centrally thereof forming a communication between said tubular shank and said water inlet and secondary water inlets in said shank intermediate of said ribs and communicating with said water passage.

2,499,283
INHIBITED HYDROCHLORIC ACID
Harold A. Robinson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 26, 1948, Serial No. 4,469
4 Claims. (Cl. 252—148)

1. A composition for treating a ferrous metal surface comprising 5 to 25 per cent of HCl, 0.1 to 2 per cent of a water-soluble organic ring nitrogen-base selected from the group consisting of acridine, pyridine, quinolines and their homologues, and 0.1 to 2 per cent of phenyl hydrazine, the balance being water.

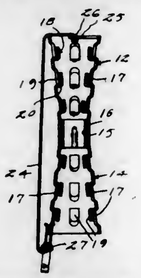
2,499,284
AIRPLANE STALL INDICATOR
Hubert A. Smith, Bay Pines, Fla.
Application April 29, 1947, Serial No. 744,554
11 Claims. (Cl. 116—117)

1. Means for indicating stalling of an aircraft, comprising an air tube open toward the direction of motion of the aircraft, a transparent chamber containing liquid mounted on the aircraft, a conduit connecting said transparent liquid containing chamber with the air tube, said air in the tube forming indicating bubbles in the chamber during safe flight conditions, a plate pivotally mounted adjacent said tube responsive to the flow of air developed from the



motion of the aircraft and a member connected to said plate and equal in weight thereto adapted to shield the open end of said tube when the angle of attack of the aircraft approaches stalling to stop the formation of said bubbles in the chamber.

2,499,285
HOLLOW HAIR CURLER
Noel O. Stimson, Los Angeles, Calif.
Application May 17, 1948, Serial No. 27,417
2 Claims. (Cl. 132—42)



2. An improved hair curler comprising a pair of open ended hollow tubular members, means slidably connecting said members together in axial alignment, elongated instruck tongues on said members along the length thereof defining perforated walls and axially disposed guide vanes therein, a resilient connecting member engaging the remote ends of said tubular members for securing said members together and for securing a curl of hair thereon, and correlated interengaging guide means on the adjacent ends of said tubular members restraining said tubular members against relative rotation one to the other.

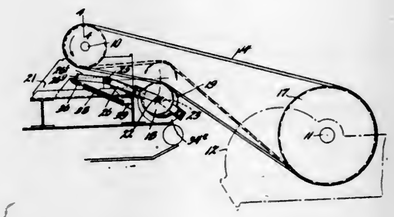
2,499,286
NECKTIE AND METHOD OF CONSTRUCTION
Isidor K. Trau, Louisville, Ky., assignor to Cavalier Cravat Company, Louisville, Ky., a corporation of Kentucky
Application June 25, 1948, Serial No. 35,222
4 Claims. (Cl. 2—146)

2. A method of necktie construction comprising, folding a pre-cut outer material blank along its longitudinal center line to bring the side edges of the blank into coincidence, placing a pre-cut interlining upon the folded blank with the longitudinal center line of the interlining parallel to and spaced inwardly from the superposed free longitudinal edges of the outer material blank, stitching through the interlining and superposed plies of the outer material along the longitudinal center line of the interlining from one end of the outer material to the other to join the edges of the outer material and form a tube, adjusting the outer material laterally with respect to the



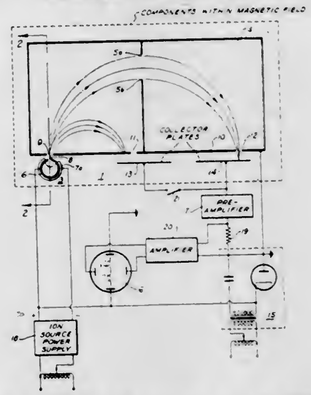
interlining to center the interlining thereon, stitching through the superposed layers of the outer material below the end of the interlining and transversely of the outer material to close the lower end of the tube and prevent transverse shifting of the line of stitching joining the edges of the outer fabric, and reversing the tubular outer material.

2,499,287
POWER TRANSMISSION MECHANISM
John Hart Wilson, Wichita Falls, Tex.
Application July 18, 1944, Serial No. 545,488
6 Claims. (Cl. 74—242.11)



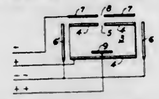
1. A power transmission mechanism comprising a plurality of idler pulleys disposed in parallel planes each such pulley having a relatively wide rim and the adjacent edges of the rims of adjacent pulleys being disposed in closely spaced parallel planes, an axle upon which each pulley is rotatably supported, each axle being laterally offset from adjacent axles, and a supporting arm for each axle, each such arm extending outwardly from the associated axle in such direction as to pass the rim of the associated pulley at a point where that rim is outwardly offset from adjacent rims.

2,499,28[illegible]
VACUUM ANALYZER
John G. Backus, Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application July 2, 1947, Serial No. 758,509
3 Claims. (Cl. 250—41.9)



1. In a mass spectrometer an ion generating source comprising a pair of spaced cathodes having a gaseous region therebetween, an apertured tubular anode axially aligned with, spaced from, and intermediate said cathodes, said anode being positioned within the magnetic field of said spectrometer and axially aligned therewith.

2,499,289
ION GENERATOR
John G. Backus, Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application July 2, 1947, Serial No. 758,510
5 Claims. (Cl. 250—41.9)



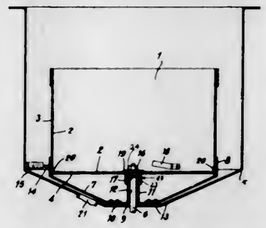
1. An ion generator comprising means for establishing a magnetic field, a tubular anode disposed in and parallel to said magnetic field, said tubular anode having an aperture formed in a wall thereof, a pair of cathodes disposed adjacent the open ends of said anode and at a negative potential with respect thereto whereby an electric discharge is produced in the region defined by said anode, an arcuate electrode disposed internally of and concentric with said anode, opposite said anode aperture, and at a positive potential with respect to said anode, and an electrode disposed adjacent said anode aperture external to said anode, and at a negative potential with respect thereto.

2,499,290
PROCESS FOR PREPARING PENICILLIN
Quentin R. Bartz, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 22, 1944, Serial No. 532,355
13 Claims. (Cl. 260—302)

11. The process for purifying partially purified

penicillin material, which comprises adding to a solution of the penicillin in a non-polar water immiscible solvent, a relatively small proportion of surface-active carbon, thereby adsorbing the impurities without substantial adsorbtion of the penicillin, and then separating the carbon, with impurities adsorbed, from the purified penicillin solution.

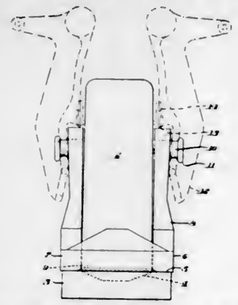
2,499,291
DEVICE FOR PEELING POTATOES
Jean Baumann, Geneva, Switzerland
Application May 5, 1948, Serial No. 25,257
In Switzerland May 19, 1947
4 Claims. (Cl. 146—49)



1. A peeling attachment for use with a dish-washing machine of the type including an open top casing having a rotary driving shaft extending upwardly from the bottom wall, a bearing sleeve surrounding the shaft, and a removable dish washing basket, said attachment comprising a cylindrical shell having an inner abrading surface, a locating sleeve spaced inwardly from said shell and extending below the lower end thereof, a plurality of spaced, radial limbs interconnecting said locating sleeve and the lower end of said shell, said locating sleeve having an outwardly extending flange adapted to rest on the bottom of the casing to support said shell, interengaging means between said shell and said casing effective to prevent rotation of said shell, a rotary floor plate having an abrading upper surface and shaped to substantially close the lower end of said shell and, means for establishing a driving connection between said shaft and said floor plate.

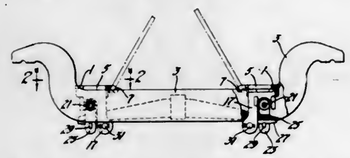
2,499,292
METHOD OF AND APPARATUS FOR SHEARING FINS FROM INGOTS
William Earle Black, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 17, 1947, Serial No. 755,219
5 Claims. (Cl. 29—160.4)

1. Apparatus for shearing from an ingot fins projecting laterally from the ingot near the bottom thereof formed during formation of the ingot comprising a stool upon which the ingot is formed and whose upper surface shapes the bottom of the ingot and which supports the ingot after the ingot mold has been removed, a shearing member adapted to be applied downwardly about the ingot while the ingot is seated on the stool after removal of the ingot mold and so as to seat atop the stool, the shearing member being peripherally closed and having its bottom shaped to closely embrace the portion of the ingot at the elevation of the upper surface of the stool and to confine between itself and the stool the fins projecting from the ingot, and means for engaging the upper portion of the ingot and raising it while the shearing member is in place as above specified whereby the ingot is unseated from the



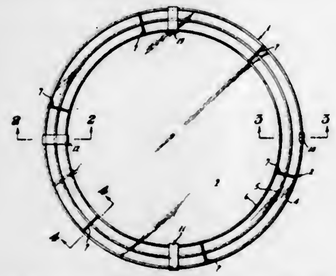
stool and the fins are sheared therefrom as the ingot moves upwardly.

2,499,293
SPRING SEAT AND EQUALIZER LIFTING MEANS
Martin P. Blomberg, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 20, 1946, Serial No. 663,715
4 Claims. (Cl. 105—194)



1. An equalizer bar assembly for a railway truck comprising an equalizer bar and a pair of spring seats secured at longitudinally spaced points thereto, each of said seats having a spring pocket, the adjacent sides of the spring pockets forming means for the attachment of lifting slings.

2,499,294
FILTER FRAME WITH HINGED CLIPS THEREFOR
Robert J. Brandt, Hollywood, Calif.
Application April 12, 1947, Serial No. 741,059
3 Claims. (Cl. 88—113)

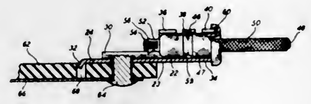


1. A filter frame comprising a pair of frame members each comprising interconnected coaxial and coplanar inner and outer rings, clips constructed and arranged to embrace the edge of said frame members, each of said clips having a short arm portion having a hinge connection with an outer ring of one of said members and having at right angles thereto a long arm terminating in a catch engageable with an inner ring of the other of said members, and a hinge connection between the outer rings of said members.

2,499,295
ART OF MAKING PROPELLANT POWDER
David S. Bruce, Lawrence, Kans., and Eugene L. Klein, Kansas City, Mo., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
No Drawing. Application July 19, 1945, Serial No. 606,018
2 Claims. (Cl. 52—22)

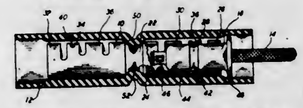
1. In the art of making propellant powder the process comprising treating a water suspension of a nitrocellulose-nitroglycerin mixture with a separately prepared dispersion of carbon black in a liquid dialkyl phthalate.

2,499,296
ELECTRIC CONNECTOR
Stephen N. Buchanan, Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J., a corporation of New Jersey
Application July 2, 1948, Serial No. 36,565
10 Claims. (Cl. 173—328)



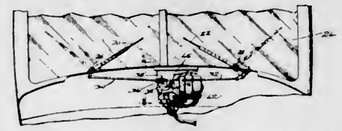
1. An electrical connector comprising in combination a receptacle provided with a supporting portion having a central web whereby said receptacle may be securely fixed on a support, a plug receiving portion having an inner, outer and intermediate pair of resilient fingers separated by transverse slots and a longitudinal slot, the transverse slot separating said inner and intermediate pair of fingers being of less extent than the transverse slot separating said outer and intermediate pair of fingers whereby said outer pair of fingers is relatively more flexible than said inner pair of fingers, said intermediate pair of fingers being provided with inwardly extending detents and a plug having tubular portion for surrounding an electrical conductor, a reduced end on said tubular portion for intimately engaging a bared end of said conductor whereby said plug may be securely fixed thereon, a groove in said tubular portion intermediate the ends thereof and a skirt extending from the opposite end of said tubular portion and overlying a part thereof to provide a recess whereby upon engagement of said plug with said receptacle said inner pair of fingers will tightly grip said tubular portion, said detents will engage said groove to prevent inadvertent separation of said plug and said receptacle and said outer pair of fingers will be disposed in said recess whereby excessive radial movement and permanent deformation of said outer pair of fingers will be prevented.

2,499,297
ELECTRIC CONNECTOR
Stephen N. Buchanan, Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J., a corporation of New Jersey
Application July 2, 1948, Serial No. 36,567
2 Claims. (Cl. 173—328)



1. An electrical connector of the character described including a double ended cylindrical receptacle having a central annular groove with a small radial opening, two groups of three pairs of fingers adapted to receive and resiliently engage a plug inserted from each end of the connector, the central pair of fingers of each group having inwardly extending detents to engage and hold a plug in the connector, said fingers being separated by transverse slots, the slots separating the inner pairs of fingers and the central fingers being of less extent than the slot separating the outer pairs of fingers and the central fingers whereby the outer pairs of fingers are relatively more flexible than the inner pairs of fingers, and a relatively rigid insulating sleeve for said receptacle having an inwardly extending annular ring portion engaging said groove and having a portion extending into said radial opening to lock said sleeve against axial and rotary movement with respect to said receptacle and having a portion extending beyond the receptacle to guide the plug into engagement with the receptacle and prevent removal thereof at an angle to the axis of the connector whereby excessive radial movement and permanent deformation of said fingers will be prevented.

2,499,298
WINDSHIELD WIPER
Alfred Christensen, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 27, 1944, Serial No. 528,266
6 Claims. (Cl. 15—253)

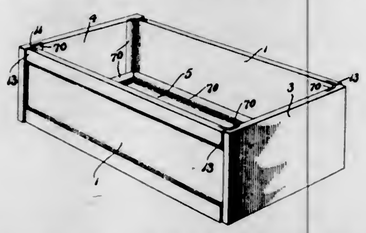


1. In a windshield wiper of the class described, which includes a wiper blade and linkage for driving said blade, an electric motor for operating said linkage, a first circuit for driving said motor at high speed, a pair of circuits for driving said motor at a lower speed, one of said last named circuits being a driving circuit and the other of said last named circuits being a bucking circuit, and a two-speed switch controlling said circuits.

2,499,299
DRAWER OR LIKE RECEPTACLE
Frank M. J. Curran, Grand Rapids, Mich., assignor of one-half to Vivian C. Curran, Grand Rapids, Mich.
Application May 29, 1944, Serial No. 537,841
8 Claims. (Cl. 45—7)

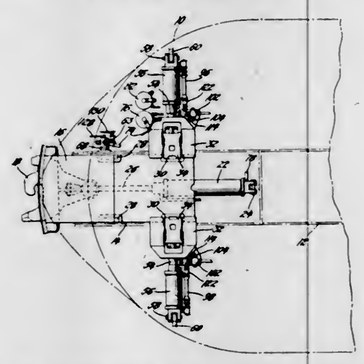
1. A drawer or similar receptacle having a bottom, the end and side edge portions of which

are provided with bent and upwardly turned extensions or lips at the upper side of said bottom, said extensions or lips being an integral part of the bottom and thin compared to the thickness of said bottom, said drawer or receptacle having vertical sides at each of which and at the inner sides thereof similar thin extensions or lips are provided, bent and turned inwardly, said drawer or receptacle including front and rear vertical ends, said bottom, sides and ends



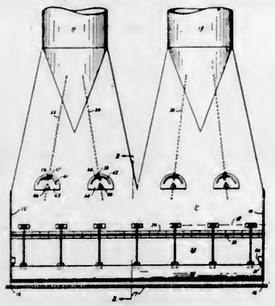
being of wood and said lips or extensions on the bottom lying inside of said ends and sides of the drawer or like receptacle and glue bonded thereto adjacent the lower portions of said sides and ends, and the lips or extensions at the ends of said sides extending inwardly toward each other and glue bonded to the ends of the drawer or like receptacle adjacent the vertical edges thereof and from their upper edges downwardly to the lips or extensions on said bottom.

2,499,300
LOCOMOTIVE COUPLING DEVICE
Richard M. Dilworth, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 23, 1946, Serial No. 649,692
5 Claims. (Cl. 213—4)



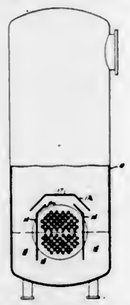
1. In combination, a locomotive underframe, a coupling device mounted for longitudinal movement in said underframe to extended or retracted positions therein, means secured to said underframe adjacent to said coupling device forming a pocket having inclined ways therein, and a member supported in said pocket and having portions which are guided in said ways whereby as the member slides downwardly therein, it will be moved into engagement with the coupling device to lock the latter in either extended or retracted position.

2,499,301
SUCTION HOOD
Morton I. Dorfan, Pittsburgh, Pa., assignor to American Wheelabrator & Equipment Corporation, Mishawaka, Ind., a corporation of Delaware
Application September 23, 1948, Serial No. 50,767
6 Claims. (Cl. 302—58)



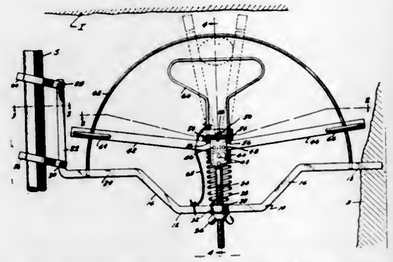
1. A suction intake for pneumatic conveying ducts, comprising a material supporting surface; and a suction hood spaced from said surface, the hood including enclosing side walls so disposed with respect to one another as to provide a Venturi shaped intake passage normally having an outer portion adjacent said surface converging towards a narrower throat and having a divergent inner portion downstream with respect to said throat, at least one of the walls being adjustable to vary the width of the passage at the throat without substantially changing the spacing between the hood and said surface, whereby the flow through said passage may be controlled.

2,499,302
EVAPORATOR
Fred W. Emhardt, Warren, Pa., assignor to Struthers Wells Corporation, Warren, Pa., a corporation of Maryland
Application December 6, 1943, Serial No. 513,143
6 Claims. (Cl. 159—28)



1. An evaporator comprising a shell, a heating unit in the lower part of the shell, a vertical shroud member disposed alongside said heating unit and spaced from the wall of said shell, said shroud member having an inwardly and upwardly inclined wall portion at the upper edge thereof and a deflector member disposed above and closely adjacent to said heating unit and shroud member, said deflector having a downwardly and outwardly inclined wall portion overlying and in adjacent confronting relation with respect to said inwardly and upwardly inclined wall portion of the shroud member, said shroud member dividing said shell into boiling and non-boiling regions and said shroud and deflector providing a confined space above the boiling region, and said adjacent inclined wall portions of the shroud and deflector members defining in cooperation a downwardly and outwardly directed passage connecting the confined space above the boiling region to the non-boiling region between the shroud and the shell while leaving ample space for vapors to rise in the shell after egress from said passage.

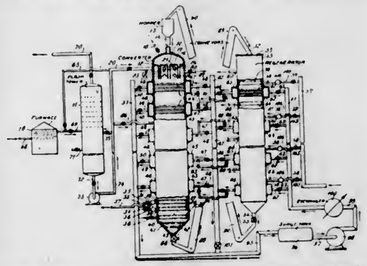
2,499,303
ANIMAL TRAP
Rolland C. Ensign, West McHenry, Ill.
Application June 28, 1944, Serial No. 542,455
8 Claims. (Cl. 43—92)



1. An animal trap of the type described comprising a rigid frame having one end adapted to be fastened into the bank of a stream, the other end having an upright arm, a pair of anchoring means thereon for supporting said frame fixedly upon a rod positioned in the bed of a stream, a post having limited lateral movement medially disposed upon said frame, an arcuately shaped jaw guide fastened to said frame, a pair of jaws carried by said post, a compression spring disposed between a portion of said frame and said jaws, and a trigger for normally holding said jaws open, said trigger disposed within said jaw guide and capable of being dislodged from said jaws to permit said jaws to be closed by the action of said compression spring.

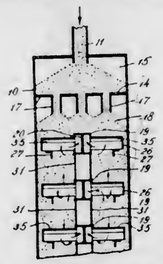
2,499,304
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 11, 1946, Serial No. 661,185
7 Claims. (Cl. 196—52)

1. Apparatus for the conversion of high boiling hydrocarbons comprising in combination, a substantially upright elongated reactor adapted for passage of particle form contact material therethrough as a substantially compact column of downwardly moving particles, liquid charge nozzles in the upper section of said reactor, inlet conduit means to supply liquid charge to said nozzles, gas collectors in the lower section of said vessel and conduit means communicating said collectors for withdrawal of gasiform products, a substantially upright elongated regeneration vessel adapted for passage of contact material therethrough as a substantially compact column of downwardly moving particles, means to conduct contact material from the lower end of said reactor to said regeneration vessel, means to introduce combustion supporting gas into said regeneration vessel and means to withdraw regeneration gas from said vessel, means to conduct regenerated contact material from said regeneration vessel to said reactor, heat transfer tubes arranged within said regenerator to permit control of the temperature of said contact material below a heat damaging level, a plurality of vertically spaced groups of heat transfer tubes arranged at vertically spaced intervals within said reactor, said groups being spaced vertically substantially further apart than the tubes within the



groups so as to leave substantial vertical sections in the reactor which are free of heat transfer tubes, three separate external manifolds, conduits connecting the outlet ends of all tubes in one of said vessels to the first of said manifolds and conduits connecting the inlet ends of all tubes in said vessel to the second of said manifolds, conduits connecting the inlet ends of all heat transfer tubes in the other of said vessels to the third of said manifolds and conduits connecting the outlet ends of said tubes to said second manifold, valves at least on all the conduits connecting to said second manifold, a connecting conduit between said first and third manifolds and a fluid pump connected into said connecting conduit.

2,499,305
APPARATUS FOR GASEOUS CONVERSIONS IN PRESENCE OF A MOVING CONTACT MATERIAL
Frank C. Fahnestock, Manhasset, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 22, 1946, Serial No. 671,573
4 Claims. (Cl. 23—288)



1. In a gas-solid contacting vessel of the type described, a gas handling structure comprising: manifold members disposed transversely and substantially centrally across said vessel at a plurality of spaced levels within said vessel, members positioned within said vessel vertically be-

tween the adjacent manifold members adapted to block off from the rest of said vessel substantially all of the space lying vertically between adjacent manifold members, a plurality of horizontally extending gas handling members connected in gas flow communication with each manifolding member at spaced intervals along its length, the interior of said gas handling members being in gas flow communication with the interior of said vessel, and means communicating the interior of each manifolding member with the space exterior of said vessel.

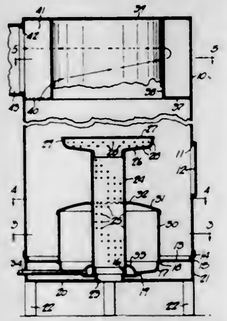
2,499,306
ALLOY STEELS
William L. Forster, Rochester, Pa.
No Drawing. Application July 31, 1948, Serial No. 41,901
4 Claims. (Cl. 75—125)

1. An alloy comprising about 1.40% to about 1.75% carbon, about 12.00% to about 15.00% chromium, about 3.00% to about 4.50% nickel, about .60% to about 1.20% molybdenum, about 1.50% to about 2.50% copper, about .20% to about .70% vanadium, less than 1.00% silicon, about .10% to about .50% manganese, the balance being substantially all iron.

2,499,307
BARIUM DI-SILICATE PHOSPHOR
Robert J. Ginther, Salem, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application January 3, 1946, Serial No. 638,927
4 Claims. (Cl. 252—301.4)

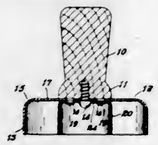
1. A fluorescent material consisting essentially of lead-activated barium silicate in which the molar ratio of silica to barium is not less than 2 nor greater than 4.5.

2,499,308
OIL-BURNING HEATER
Otto C. Griewank, La Porte, Ind.
Application December 4, 1944, Serial No. 566,516
7 Claims. (Cl. 126—93)



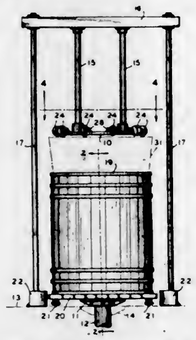
1. An oil burning heater comprising a vertical housing having top, side and bottom walls, with a central air intake opening through its bottom wall and a smoke outlet, a vertical apertured tube in said housing communicating with said intake opening and closed at its top, a centrally apertured inverted cup-shaped distributor ring resting on the bottom of the housing encircling the bottom portion of said tube to define an annular vaporizing space having a restricted annular outlet between said ring and said tube, the lower marginal portion of said distributor ring being notched, and means for discharging oil into said vaporizing space.

2,499,309
PASTRY CUTTER
Robert D. Harris, Massillon, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application October 2, 1946, Serial No. 700,724
4 Claims. (Cl. 30—122)



1. A pastry cutter comprising an inverted sheet metal cup having a substantially horizontal top wall and a depending circular flange, a pair of integral tongues stamped downward from the top wall of the cup and parallel therewith and a smaller inverted removable cup having a top wall provided with openings shaped to receive said tongues, the top wall of the smaller cup being of greater thickness than the space between said tongues and the top wall of the first mentioned cup.

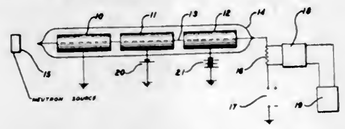
2,499,310
TOBACCO PRESS
Stanley Hathaway and Henry A. Bost, Greenville, N. C.
Application February 17, 1948, Serial No. 8,925
5 Claims. (Cl. 100—57)



2. Apparatus for compressing tobacco comprising a lower vertically reciprocable head adapted when in its lowermost position to have its upper surface disposed substantially in alignment with a supporting surface, an upper circular stationary head disposed in axial alignment with said reciprocable head, framework supporting said stationary head, said stationary head having spaced slots disposed radially around its circumference, a bearing member mounted on said stationary head at each side of each slot, a stub shaft extending across each slot and having its extremities disposed in said bearing members, and a roller disposed on said stub shaft, in each of said slots, and having a hub portion of axial

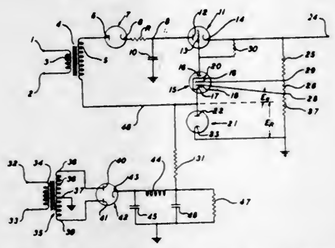
dimension substantially greater than its rim portion and adapted to be engaged by a hogshead telescoped over said stationary head.

2,499,311
NEUTRON DETECTION
Gerhard Herzog, Houston, Tex., and Kenneth C. Crumrine, Tulsa, Okla., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 28, 1947, Serial No. 737,882
8 Claims. (Cl. 250—83.6)



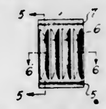
1. In neutron detection apparatus having a source of neutrons which simultaneously emits gamma rays, the combination which comprises at least two proportional counters spaced at different distances from the source, means for applying an actuating voltage across the counter near the source and means for applying a higher actuating voltage across the counter remote from the source.

2,499,312
VOLTAGE SUPPLY SYSTEM
Gerhard Herzog, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application March 31, 1947, Serial No. 738,476
5 Claims. (Cl. 321—16)



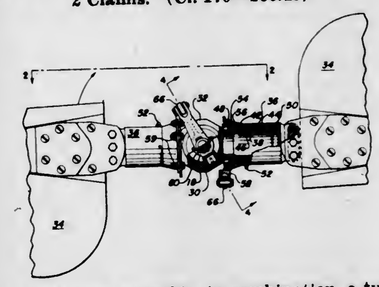
1. In a voltage supply system comprising in a series circuit, a source of power voltage, a rectifier, a current control tube having a control grid, and an output voltage divider resistor across which a D. C. output voltage is developed, and means for regulating said output voltage including, in series, a resistor across which a biasing voltage is developed for biasing the grid of said current control tube and a second control tube for controlling the current through said biasing resistor the anode of said second control tube being connected to the resistor, the combination which comprises a gaseous discharge regulator tube which with said series connected resistor and the second control tube is connected across said voltage divider, a power supply system connected across said regulator tube with the positive terminal connected to the anode of said tube for supplying D. C. voltage to the anode of the regulator tube, and a direct ungrounded connection from the anode of said regulator tube to the low voltage side of the first mentioned source of power voltage.

2,499,313
SHAKER DISPENSER
Roderick W. Hoag, Melrose, Mass.
Application June 22, 1945, Serial No. 601,022
3 Claims. (Cl. 206—56)



1. A commodity container comprising, a rectangular section of material corrugated to form a series of alternate parallel ridges and recesses, each of the ridges on one side of the corrugated material having a transverse cut intermediate the ends of the corrugations; and a rectangular, relatively flat backing section of material superposed upon and adhesively secured to the material forming said recesses on the side opposite the side having the transverse cuts, the ends of the parallel ridges and recesses of the corrugated material being pressed against and secured to the flat section of material to form a container having a plurality of parallel, elongated pockets, the material of said recesses and said backing section being imperforate.

2,499,314
TWO-BLADED TAIL ROTOR ON COMMON HINGE
William E. Hunt, Brooklyn, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 12, 1947, Serial No. 773,721
2 Claims. (Cl. 170—160.46)

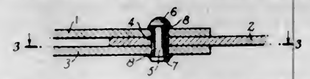


1. In a rotor assembly, in combination, a tubular drive shaft, a hub mounted on the outboard end of said drive shaft, two diametrically opposed rotor blades mounted on said hub for pitch changing movement about their longitudinal axis, a biased pivot for supporting said hub on said shaft disposed at an oblique angle to the longitudinal axis of said blades, a manually reciprocable control rod extending through said drive shaft, a transverse member carried by said control rod and disposed parallel to the axis of said pivot outboard of said blades, pitch control horns on the root portions of said blades terminating substantially in the axis of said pivot, and parallel links connecting the opposite ends of said transverse member with the extremities of said horns.

2,499,315
RIVET
Corydon M. Johnson, Freeport, N. Y.
Application July 11, 1944, Serial No. 544,383
2 Claims. (Cl. 85—37)

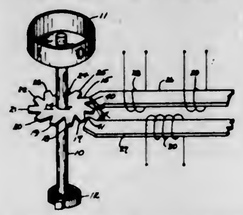
1. A multi-part rivet including an expansible

shell of spring metal split longitudinally, a malleable metal filler disposed between the edges of



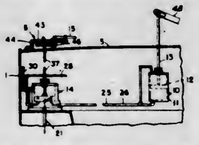
the shell and a malleable core relatively harder than said filler.

2,499,316
MAGNETIC MOTOR FOR VISUAL INDICATOR UNITS
Ernest W. Johnson, Everett, Mass., assignor to Transducer Corporation, South Boston, Mass.
Application January 20, 1948, Serial No. 3,311
4 Claims. (Cl. 172—36)



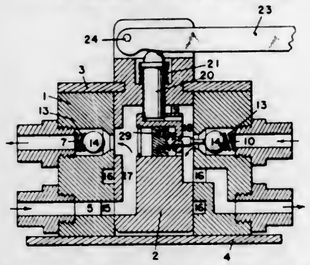
4. A visual indicator unit comprising a support; a toothed wheel of easily magnetizable metal supported for rotation on said support; a pair of spaced bars having pole tips adjacent the tips of the teeth on said wheel, the pole tips at corresponding ends being closely spaced from the space swept by the tips of the teeth and tapering towards their other ends away from said space, one of said bars being a permanent magnet, whereby a toothed overlapped by its pole tip will move towards the nearest end thereof; coils on said bars; means for supplying direct current pulses through the coil on the other of said bars for causing a tooth overlapped by its pole tip to move towards the nearest end of same for advancing said wheel; and means including a spring connected to said wheel so as to oppose rotation thereof, and including means for supplying direct current through the coil on said one bar so as to demagnetize same, for restoring said wheel to its starting position.

2,499,317
ENGINE CONTROL MECHANISM
Matt U. Jopperi and Charles I. Monaghan, Ashtabula, Ohio
Application December 16, 1948, Serial No. 65,572
6 Claims. (Cl. 121—143)



2. A control mechanism for a fluid pressure operated winch engine including a valve controlling forward and reverse operation of said engine, comprising a double-acting fluid motor for actuating said valve, a selector valve operatively connected to said engine and fluid motor, said selector valve comprising a housing provided with a plurality of ports in communication with said fluid motor, engine, and a fluid pressure supply source, and a movable valve member in said housing provided with a plurality of ports so arranged that movement of said valve member in one direction successively establishes communication between such supply source and fluid motor and between such supply source and engine through said first-mentioned valve.

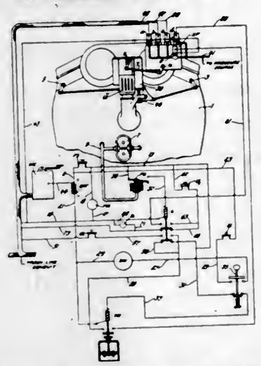
2,499,318
LIQUID COCK OR VALVE
Bernardus Johannes Marie Jungerhans, Voorburg, Netherlands, assignor to Jan Jongerius N. V., Jutphaas, Utrecht, Netherlands
Application December 6, 1945, Serial No. 633,195
In the Netherlands September 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 17, 1963
3 Claims. (Cl. 277—8)



1. A composite liquid cock serving to control the supply and the discharge of liquid to and from at least one double-acting hydraulic motor adapted to be locked in its adjusted position, said cock comprising, in combination, a valve and plug housing, a plug rotatably mounted within said housing, two annular grooves provided in said housing and opening towards said plug, a connecting duct provided in said housing, said duct permanently communicating with one of said grooves and serving for the connection of the pressure conduit of a pump, a second connecting duct in said housing permanently communicating with the other said annular groove and serving for the connection of the suction conduit of the pump, an even number of motor ducts arranged in said housing in a circular series around said plug, each pair of said motor ducts, which serve for the connection of the two conduits leading to the said hydraulic motor, opening by diametrically arranged ports toward said plug, check valves provided within the motor ducts and seating towards said plug, said check valves being adapted to be moved in radial directions, a supply passage provided in said plug, said passage permanently communicating with the said supply annular groove, an exhaust passage provided in said plug, said passage permanently communicating with the said exhaust groove, two diametrically arranged ports in said plug, said ports being adapted to cooperate with the ports by which the motor ducts open towards the plug, one of said ports communicating with said supply passage and the other with said exhaust passage, a third passage in said plug, said passage interconnecting said supply passage and said exhaust passage, a valve provided within said third passage, said valve being arranged to be controlled from the outside, a radially slidable spring loaded dog being mounted within said plug and adapted to be projected against the action of said spring through the port communicating with said exhaust passage and through the port of one of the motor ducts in order to lift the

check valve in said duct and means for operating said check-valve-lifting-dog when said valve in the third plug passage is closed.

2,499,319
ENGINE PROTECTIVE CONTROL SYSTEM
Torsten O. Lillquist, Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 3, 1944, Serial No. 543,276
10 Claims. (Cl. 123—179)



1. An engine protective control system including an engine having, a lubricating pump, fuel varying means, combined starting and control means, engine shut down means for rendering said fuel varying means inoperative in order to cause shut down of said engine, control means acting only in response to a preselected safe value of pressure delivered to said engine by said lubricating pump for rendering said engine shut down means inoperative, and time delay means connected with said starting control means and said shut down means to delay operation of said shut down means upon movement of said starting control means to the inoperative control position until said pressure of said pump builds up to said preselected safe value.

2,499,320
ION GENERATOR
Robert Loevinger, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application June 23, 1947, Serial No. 756,438
3 Claims. (Cl. 250—41.9)

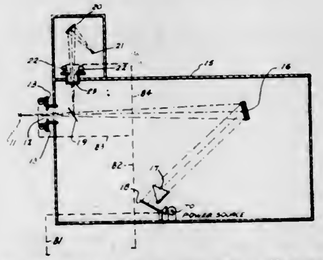


1. An ion generator comprising means for establishing a magnetic field, a tubular anode having a generally semicircular cross-section positioned in and parallel to said magnetic field, said tubular anode having an aperture formed in the flat wall thereof, the curved portion of the wall of said anode being electrically insulated from the remainder of said wall and at a positive potential with respect thereto, a pair of cathodes disposed adjacent the open ends of said anode and at a negative potential with respect thereto whereby an electrical discharge is produced in the region defined by said anode, and means for withdrawing ions from said region through said aperture.

2,499,321
EXPLOSIVE COMPOSITION
George A. Lyte, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Application August 24, 1946
Serial No. 692,925
2 Claims. (Cl. 52—13)

1. An explosive composition comprising a mixture of granules consisting of ammonium nitrate, granules of pentolite consisting of blended trinitrotoluene and pentaerythritol tetranitrate, and starch nitrate, the proportions by weight of the several ingredients for 100 parts of the explosive composition being as follows: ammonium nitrate 40–75 parts, pentolite 5–14 parts, and starch nitrate 9–17 parts, the pentaerythritol tetranitrate being in the proportion of 2–12 parts for 2–20 parts of trinitrotoluene and the proportion of trinitrotoluene being at least equal to that of the pentaerythritol tetranitrate in the granules of pentolite.

2,499,322
AUTOMATIC APERTURE CONTROLLING DEVICE
John C. Mather and Francis George Shenton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 8, 1948, Serial No. 25,874
4 Claims. (Cl. 250—43)

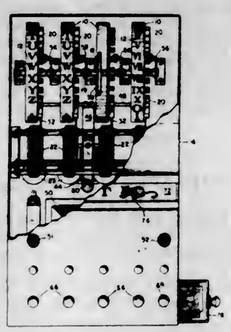


1. An apparatus for controlling the aperture defining means in an infra-red spectrometer that comprises a cam of cylindrical shape mounted for rotation about its longitudinal axis, said cam possessing a driving ridge located on the cylinder thereof, a follower adapted to engage the ridge of said cam, and a mechanical linkage connecting said follower with said aperture defining means whereby movement of said cam will produce a proportional change in the size of the aperture.

2,499,323
ELECTRIC EDUCATIONAL DEVICE
Perry V. McCash, Seattle, Wash.
Application March 17, 1947, Serial No. 735,238
2 Claims. (Cl. 35—35)

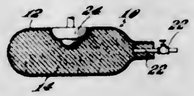
1. An electric educational device, consisting of: a plurality of axially aligned drums having equispaced letters of the alphabet imprinted on their peripheral surfaces; individual supporting shafts for said drums; standards adapted to position and support said shafts; a series of outstanding lugs disposed about the periphery of said drums; a pivoted latch member for each of said drums adapted to revolve said drums in a step-by-step manner; electric motor means adapted to operate said latch members and to form a first electromagnet when energized; a counterrotation spring for each drum disposed to resist the turning effort of said latch; a pivoted stop member for each

drum disposed to normally prevent counterrotation of said drum; an armature pivoted to said first electromagnet having a downwardly directed hook adapted to secure said stop member when it has moved into its non-operative position; a second electro-magnet adapted to move said stop into a non-operative position; a first electric signaling means adapted to indicate actuation of said electric motor means; a second electric signaling means adapted to indicate the actuation of said second electro-magnet; first electric switching means adapted to energize said electric motor means, said first electro-magnet, and



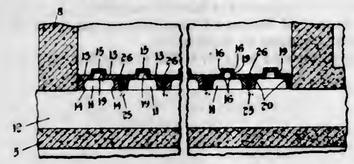
said first electric signaling means; second electric switching means adapted to energize said second electro-magnet and said second electric signaling means; a holding circuit adapted to short circuit said second electric switching means; a circuit breaker for each drum, supported by said standards, adapted to be engaged by a lug on said drum to prevent more than one revolution of said drum, and additionally adapted to de-energize said second electro-magnet when the drum has been returned to its starting position; electric current supply means for said device; an enclosing housing for said equipment; a flanged slideway on the upper face of said housing; and a slide having imprinted thereon letters forming words.

2,499,324
METHOD OF MAKING IMPRESSIONS OF OBJECTS
Warren J. Mead, Belmont, Mass.
Application March 13, 1946, Serial No. 654,213
2 Claims. (Cl. 18—55)



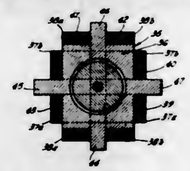
1. The method of obtaining an impression of the shape of an object by means of a device of the kind comprising an impervious container having a flexible and extensible wall enclosing a deformable and flowable mass of mixed granular material and fluid, which method comprises establishing the pressure of the fluid within the container below that of the fluid medium surrounding the container sufficiently to convert the flowable mass into a plastic mass, molding the plastic device to the desired shape, and thereafter solidifying the granular mass in its molded shape by still further reducing the fluid pressure within the container.

2,499,325
FILTERING APPARATUS
George Miller, Rockton, Ontario, Canada, assignor to Francis Hankin & Co. Limited, Montreal, Quebec, Canada
Application June 7, 1947, Serial No. 753,342
4 Claims. (Cl. 210—148)



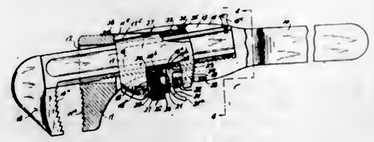
1. In a water filtering apparatus of the character described, the combination of a supporting base, a false bottom mounted thereon to provide an underdrainage system, and a filter bed carried by said false bottom, said false bottom comprising a plurality of channel shaped blocks mounted on the supporting base with their channels facing downwardly and arranged in side-by-side and end-to-end relation to provide a plurality of parallel underdrain channels of substantial width, said blocks being shaped to provide a horizontal bridging wall and downwardly directed flanking side walls angularly disposed from the bridging wall in spread apart relation to provide a V-shaped recess between opposing side walls of adjacent blocks for the reception of a bonding agent therebetween, said underdrain channels being provided with parallel overhead filter box compartments having side walls and solid top walls formed integrally with said blocks in the central portion of the bridging wall, said compartments projecting into the filter bed with the compartments of one channel in spaced parallel relation to the compartments of adjacent channels, each compartment having an open face directed downwardly through the bridging wall into the channel portion of the block, and laterally extending filter ports arranged in the side walls of the compartments to permit lateral flow of filtered water from the filter bed to the filter box and thence to the communicating underdrain channel.

2,499,326
DYNAMOELECTRIC MACHINE STRUCTURE
William J. O'Brien, London, England, assignor to The Decca Record Company Limited, London, England, a corporation of Great Britain
Application August 27, 1945, Serial No. 612,984
5 Claims. (Cl. 171—252)



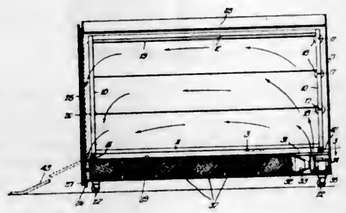
1. In an electrical goniometer, a field structure comprising: a main frame defining an axis of rotation; and two pair of field coils on said frame, all of said coils being identical, the coils of each pair being mounted coaxially and the coils of one pair being disposed at right angles to the coils of the other pair, said coils being all spaced from said axis of rotation equal distances substantially less than one-half the mean diameter of said coils.

2,499,327
PIVOTED OUTER JAW WRENCH
Charles H. Ortman, Chardon, Ohio
Application January 10, 1946, Serial No. 640,327
10 Claims. (Cl. 81—103)



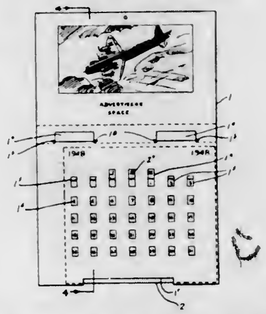
1. A device of the character described comprising a base having a fixed jaw attached thereto and provided with side walls extending longitudinally thereof away from said jaw and providing a space therebetween, a sleeve member mounted in said space and having a passageway therethrough, a shank extending through said sleeve member and provided with a jaw and having ratchet teeth thereon, said sleeve member having longitudinally spaced extensions projecting beyond the ratchet teeth on said shank, a shaft supported by said extensions substantially parallel with and spaced from said ratchet teeth, a rotary cam on said shaft having an inclined operating surface, a pawl having one or more teeth thereon adapted to engage teeth on said ratchet and having a nose adapted to be engaged by the inclined operating surface of said cam, spring means tending to hold the tooth or teeth on the pawl in engagement with the teeth of the ratchet, and means for disengaging the tooth or teeth of the pawl from the teeth of the ratchet when the nose of the pawl is out of engagement with the operating surface of the cam.

2,499,328
APPARATUS FOR DRYING LAUNDRY
Sam Pawlansky, Chicago, Ill., now by judicial change of name, Sam Women Sam
Application October 15, 1947, Serial No. 780,079
4 Claims. (Cl. 34—80)



4. An apparatus for drying material comprising a compartment adapted to receive the material to be dried, a flue communicating with said compartment, a plurality of foraminous containers enclosing a desiccant, a handle on one end of each of said containers, a link on the opposite end of each of said containers insertable through and detachable from the handle of an adjacent container whereby the plurality of said containers are interconnectable and slidably insertable into and removable from said flue as a unit, and a fan for circulating air through said compartment and said flue.

2,499,329
CALENDAR CHARACTERED SLIDE TYPE
Charles P. Potter, Toronto, Ontario, Canada
Application July 5, 1946, Serial No. 681,542
10 Claims. (Cl. 40—109)

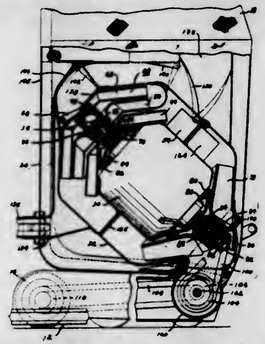


1. In a calendar, a first member having therein a plurality of spaced apart date number apertures and a plurality of spaced apart month letter apertures; and a second member having a plurality of columns of date numbers thereon adapted to register with the date apertures in the first member, and a plurality of letters representing months adapted to register with the month letter apertures and spaced so that in each relative position of the members some of said letters are displayed through the month letter apertures and some are concealed by the space between said apertures, the said members being movable relative to one another, and said date numbers and month letters being so arranged on the second member with respect to the date number apertures and month letter apertures on the first member that the members may be moved relative to one another to display through the month letter apertures various combinations of month letters and to conceal other letters so that each combination represents a single month only and to display simultaneously through the date number apertures a plurality of date numbers representing the days of that month.

2,499,330
VACUUM CLEANER
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 12, 1944, Serial No. 549,152
5 Claims. (Cl. 15—330)

1. In a vacuum cleaner, an ambulatory body unit having four ports, a floor nozzle connected to one of said ports, a second of said ports being connected to a dust filter and a third of said ports being connectible to an off-the-floor cleaning attachment, a first single-stage fan having an inlet connected to said one port and an outlet connectible to said second port for on-the-floor cleaning, a second multi-stage fan having an inlet selectively connectible to either said third port or the fourth of said ports and an outlet selectively connectible to either said second port or said third port respectively for off-the-floor cleaning, a motor for driving said fans, clutch means for selectively clutching either of said fans to said motor to be driven thereby, means for controlling said clutch means for clutching either of said fans while declutching the other fan, and means for controlling the connections between the fans and the three last-named of said ports, the last-men-

tioned means including a damper for selectively opening and closing the connections between said



second port and said outlets of said second and first fans respectively.

2,499,331
SCISSORS SHARPENING DEVICE
Martial J. Robitaille, Cleveland, Ohio
Application March 9, 1949, Serial No. 80,527
8 Claims. (Cl. 76—89.2)



8. In a scissors sharpening device including a supporting member and a sharpening pin member, an elongated slot in said supporting member, and shiftable guiding and supporting means for said sharpening member arranged to permit shifting of said sharpening pin symmetrically with respect to said slot.

2,499,332
RETAINER FOR SPECTACLES
Ann Rose Schiff, Columbus, Ohio
Application October 27, 1947, Serial No. 782,378
3 Claims. (Cl. 206—5)

3. A retainer for a pair of spectacles or the like comprising a relatively flat elongated body adapted for attachment along one side edge thereof to a supporting member, the extremities of the free opposite side edge of said body being provided with cut away portions whereby a pair of spectacles may be inserted between said body and said supporting member with the arms of said spectacles folded above said body, a flap extending from the side edge of said body which is attached to said supporting member, said flap being adapted to extend across said body and overlie the arms of said spectacles, and securing means on the upper surface of said flap adapted for engagement with complementary securing means carried by said supporting member for retaining said flap in engaged position.

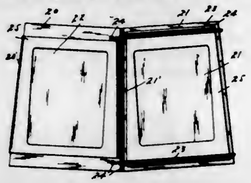


2,499,333
SPRING PACKING
George Schulein, Chicago, Ill., assignor to National Waste Company Incorporated, New York, N. Y., a corporation of Illinois
Application May 12, 1948, Serial No. 26,689
10 Claims. (Cl. 308—243)



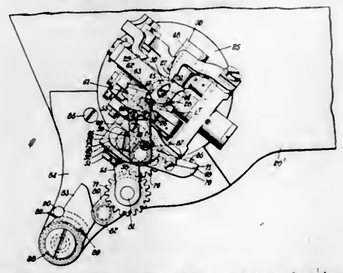
1. Spring packing comprising a body of waste having a plurality of springs distributed throughout said body and embedded therein, such springs being formed with relatively few, relatively open spiral coils, the coils at each end of such springs being smaller than the coils in the center.

2,499,334
FOLDING HOLDER
Axel O. Sodergren, Minneapolis, Minn.
Application December 17, 1945, Serial No. 635,557
3 Claims. (Cl. 160—229)



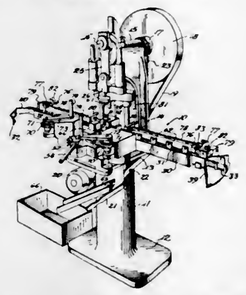
1. In a holder of the class described, two cover members, an intermediate member, the longitudinal edges of each of said members being upwardly tapered, said intermediate member being hinged at its longitudinal edges to opposite longitudinal edges of the cover members, and upper and lower cords extending transversely of the cover members and attached thereto at their free longitudinal edge portions, said intermediate member being shorter than the cover members and movable therebetween when the cover members are open, said cover members when closed, holding the intermediate member folded onto one of the cover members and the cords laid transversely on said cover member outwardly of the ends of the intermediate member, said intermediate member when the cover members are open, holding said cover members with their inner edge portions closely positioned, the holder, when said cover members are opened and turned backwardly of a common plane, may be set-up as a foldable screen in which it leans backwardly and will stand alone.

2,499,335
THREAD-TRIMMING AND PULL-OFF MECHANISM FOR SEWING MACHINES
Edward P. Spaine, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 25, 1946, Serial No. 664,886
17 Claims. (Cl. 112—252)



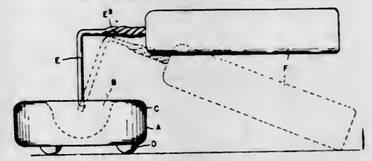
1. A two-thread sewing machine having, in combination, stitch-forming mechanism including a thread-carrying needle and a complemental thread-carrying under mechanism arranged so that when the machine comes to rest the needle-thread and the under thread extend from the last stitch in the work to said under mechanism, and a thread-severing device including two elements movable relatively to each other into and out of thread-severing relationship, a movable arm carrying one of said elements, and operating connections constructed and arranged for imparting a single actuating stroke to said arm so that the element carried thereby severs one of said sewing threads, engages and pulls off a length of the second thread and finally severs said second thread.

2,499,336
METHOD AND APPARATUS FOR INSERTING ATTACHMENT LINKS IN CONVEYER CHAINS
James Teerlink and John D'Mohowski, Chicago, and Nels E. Pearson, Evergreen Park, Ill., assignors to Chains, Inc., a corporation of Illinois
Application September 29, 1948, Serial No. 51,722
15 Claims. (Cl. 59—7)



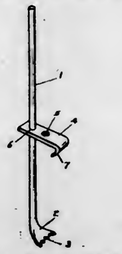
1. The method of inserting an attachment link in a conveyor chain comprising, angularly positioning three adjacent links of the conveyor chain for permitting removal of the center link thereof, gripping the end links for maintaining the three links in angular position, laterally forcing the center link of the three from the conveyor chain, and laterally forcing the attachment link into the conveyor chain in substitution for the center link.

2,499,337
WAX WARMER
John Tole, Milwaukee, Wis.
Application May 12, 1947, Serial No. 747,462
2 Claims. (Cl. 263—48)



1. A wax warmer comprising a body formed of a metal having a relatively high specific heat characteristic, said body having a relatively small central pocket for receiving the wax and a relatively thick surrounding annular portion for heat storage, a bail embracing said body and pivotally engaging the same at diametrically opposite points which are above the center of gravity and a handle extending laterally from the upper end of said bail said handle when its outer portion is resting upon a table on which the body is placed holding said bail in a position above said pocket where it will form a rest or support for a brush or other instrument used in applying the wax.

2,499,338
TIPPING DEVICE FOR CONTAINERS
Ernest Thomas Walton, St. James, Manitoba, Canada
Application March 25, 1947, Serial No. 736,960
1 Claim. (Cl. 294—17)

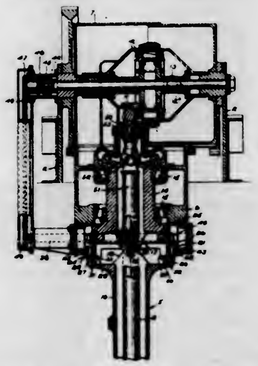


A tipping device for containers, comprising: a lever having one end flattened and curved to form a wide duck-shaped foot; the end of said foot formed in serrations to grip a container when pressed thereagainst; a plate having one end curved in a hook for engaging the edges of the container and provided with a pair of longitudinally spaced holes; and said lever slideable through either hole in said plate, up to said duck-shaped foot.

2,499,339
OUTBOARD PROPELLER MECHANISM FOR BOATS
Arthur W. Wanzer, Quincy, Mass., assignor to Murray & Tregurtha, Inc., Quincy, Mass., a corporation of Massachusetts
Application November 20, 1944, Serial No. 564,213
4 Claims. (Cl. 115—35)

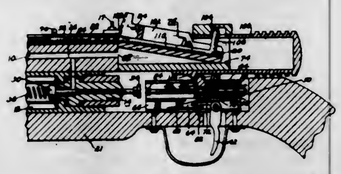
1. A propeller mechanism for boats comprising a vertically extending propeller-supporting hous-

ing, a propeller carried by said housing at its lower end, means for rotating the propeller including a vertically extending driving shaft enclosed in said housing and a horizontal propeller shaft on which the propeller is mounted, means supporting said housing for turning movement about a vertical axis for steering the boat, said housing being made with an upper section and with a lower section which carries the propeller



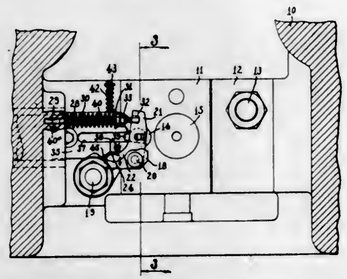
shaft, means pivoting the lower section to the upper section to swing relative thereto about an axis parallel to the propeller shaft, and means responsive to the turning moment on the housing resulting from transmission of power through the driving shaft to swing the lower housing section about its pivotal axis into a position in which the axis of the horizontal propeller shaft is at one side of the vertical axis of the housing.

2,499,340
AIR GUN
William S. Wells, Palo Alto, Calif., assignor to Paul S. Linforth, San Francisco, Calif.
Application May 27, 1942, Serial No. 444,768
5 Claims. (Cl. 124—51)



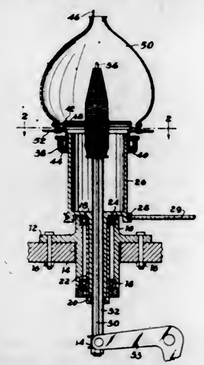
1. A gun comprising a barrel having a firing position therein in spaced relationship to the breech end of said barrel for a shot which is to be discharged and a loading opening at the breech end thereof, a magazine having an output end in proximity to the loading opening of said barrel, a shot receiving element, means for shifting said shot receiving element between the output end of said magazine and the loading opening of said barrel to enable said shot receiving element to receive a shot from said magazine and convey it to the loading opening of said barrel, and a breech pin disposed in said shot receiving element and slidable therefrom into said barrel to said firing position therein, for urging said shot from its position at the loading opening of said barrel to the firing position in said barrel.

2,499,341
MOVABLE WORK STOP FOR SOLID DIE HEADERS
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut
Application August 3, 1944, Serial No. 547,913
7 Claims. (Cl. 10—25)



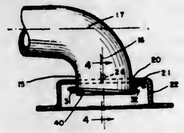
1. A solid die heading machine comprising a frame, a die block on the frame having a solid cut-off die and a heading die, a tool holder, a cut-off tool carried thereby, means to advance said tool holder and tool across the cut-off die to shear a workpiece from a length of stock, means on said tool to grip the workpiece and transfer it to the heading die, a stop member movably mounted on the frame, means urging said member to a position opposite the opening of the cut-off die to engage the end of the workpiece when the latter projects therefrom, and means on said tool holder to move said stop member out of engagement with the work as the tool is advanced and in a direction opposite that of the advance of the tool.

2,499,342
RING SPINNING APPARATUS
Edmond R. J. Dufond, Sao Paulo, Brazil
Application August 7, 1947, Serial No. 767,105
In Brazil June 17, 1941
7 Claims. (Cl. 57—124)



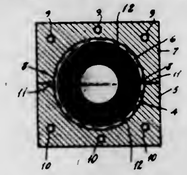
1. In ring spinning apparatus a spindle and means for rotating said spindle, a traveller surrounding said spindle, means for producing relative reciprocating movement between said traveller and said spindle, driving means for rotating said traveller, and an anti-friction bearing supported by said driving means and supporting said traveler, said traveler receiving only so much energy from said driving means as is transmitted by and through said anti-friction bearing.

2,499,343
PHONOGRAPH TONE ARM
Frank Raffles, Chicago, Ill.
Application May 23, 1947, Serial No. 750,071
7 Claims. (Cl. 274—23)



1. A phonograph tone arm having means at one end for receiving a sound pick-up device and the opposite end constituting the mounting end extending at right angles to the rest of the arm, a mounting plate through which the mounting end extends, means for supporting the mounting end of the tone arm on said plate for swinging about a horizontal axis, and a counterbalancing spring embracing the mounting end of the tone arm below said pivot means, one end of the spring exerting its force against the tone arm and the opposite end being adapted to bear against the mounting plate.

2,499,344
METHOD OF MAKING GOLF BALLS
Robert Fulton Smith, Elyria, Ohio, assignor to The Worthington Ball Company, Elyria, Ohio, a corporation of Ohio
Application June 4, 1946, Serial No. 674,321
7 Claims. (Cl. 154—19)



7. The method of making golf balls, comprising the making of a spherical ball center by applying a rubber winding under tension over a central core, substantially contracting the diameter of the center by abstraction of heat therefrom, confining the contracted center closely and compressively within a mold cavity having a lining of thermoplastic ball-cover material which is of low elasticity as compared to rubber and is substantially tougher than rubber, heating the cavity walls while said material is compressed between said center and the cavity walls to plasticize the material, and then chilling the cavity walls to solidify the cover material, whereby the center is closely confined within the cover, then exposing said covered ball to temperatures equal to any ambient atmospheric temperature.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

556,819. **SELF LOCKING REEL FOR STEEL MEASURING TAPE.** Robert H. Lynas, Dayton, Ohio. Filed Oct. 2, 1944. Published Feb. 28, 1950. Class 242—84.8. One sheet of drawings.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

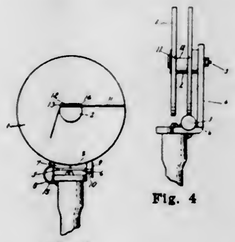


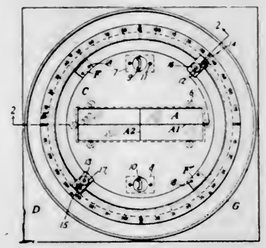
Fig. 4

Fig. 3

The application discloses an automatically locking brake for tape reels and a tape-end-anchoring means.

A brake 7 on one end of slide 5 is urged by spring 8 against reel 1 and is released by pressing on the knob 9 on the other end of the slide. Grooves 11 each having an enlarged portion 13 to receive the link on the inner end of the tape, are provided on the inner opposed sides of the reel.

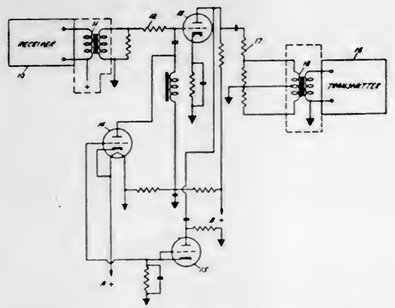
559,280. **TANGENT PROTRACTOR.** William A. Miller, Port Jefferson, Ludwig A. Batterman, Sayville, and Ralph E. Franklin, Patchogue, N. Y., assignors to Radio Corporation of America, a corporation of Delaware. Filed Oct. 18, 1944. Published Feb. 28, 1950. Class 33—1. Two sheets of drawings.



The disclosure relates to a tangent protractor or a mechanical differentiator having means to measure the slope of a curve, and at the same time draw a line which will pass through the center of a circle whose radius is the radius of the curvature at any point. The device comprises a flat plate D having a central circular aperture therein, and two semicircular engraved scales E with graduations from 0 to 180. The scales are located at the periphery of the aperture. A rotatable disc C is arranged to rotate within the aperture. The central part of the rotatable disc has a transparent portion A with two mutually perpendicular lines A^1 and A^2 located thereon. The rotatable disc is arranged with vernier indices F and F' to facilitate reading the scales. Disc C has slotted members 7 and 8 having pencil slots 9 and 10 positioned on a diameter of the disc. Disc C may be held in one position by clamps B and B' comprised of studs 12, 13, nuts 16, 17 and plates 14, 15.

569,249. **SIGNAL CONTROL.** Bernard G. Radin, Dayton, Ohio, assignor to United States of America as represented by the Secretary of War. Filed Dec. 21, 1944. Published Feb. 28, 1950. Class 178—44. Two sheets of drawings.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



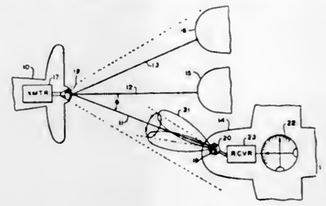
Electronic amplitude leveler for audio frequency signals comprising a signal source 10—11, a series attenuating resistor 12 between the source and the control grid of amplifier tube 13, a diode rectifier 15 and a diode load resistor connected in series across the amplifier output for developing a D. C. voltage proportional to the amplifier output voltage and a grid controlled electron tube having its control grid connected to the diode load resistor and having its space current circuit coupled to the junction of the amplifier control grid and the attenuating resistor 12, whereby the output of said amplifier remains substantially constant in the presence of input signals of varying amplitudes.

590,053. **ELECTRICAL SYSTEM.** Louis N. Ridenour, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Apr. 24, 1945. Published Feb. 28, 1950. Class 250—2. One sheet of drawings.

This disclosure relates to the remote control of towed aircraft by a towing aircraft utilizing directive electromagnetic energy. The tail of the towing plane 10 includes an ultra-high frequency transmitter 17, modulated at an audio frequency rate with a square wave pulse, directional antenna

18 of the electromagnetic horn type for emitting a wide angle beam whose axis is aligned with the axis of the plane and a plurality of towing cables 11, 12 and 13.

Each of the towed planes, for example, 14, includes a receiver 23 associated with a conically scanning dipole antenna 19 operating within a parabolic reflector 20 disposed in the nose of the plane. Scanning produces a characteristic which varies in amplitude as a function of the direction and extent of the deviation of the axis of reflector 20 from the desired position, which is directly toward the tail of the towing plane. Synchronized with the receiving antenna there are four commutators which rotate so as to connect the grids of four amplifier tubes in succession to the



detected output of receiver 23. These four outputs will vary according to the position of synchronously rotating antenna 19 and the amplitude of these four voltages will be different if the axis of the reflector 20 is off the desired course. The output of alternately connected pairs of amplifiers are differentially connected to two cross-point meters which will indicate deviations of the receiver reflector axis from two perpendicular axes, respectively, both passing through a straight line from the towed plane to the towing plane.

625,428. **WORK SUPPORT, PROVIDED WITH SPACERS, FOR SUPPORTING SELENIUM RECTIFIER DISKS.** Wayne E. Blackburn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Oct. 6, 1945. Published Feb. 28, 1950. Class 91—60. One sheet of drawings.

This apparatus comprises means for applying selenium coatings on rectifier metallic disks, and more particularly the combination of a support for said disks 1, and disk-separation spacers 2, each having a hollow cylindrical shape and a projecting flange 5 therefrom intermediate its length with ends formed on each spacer to provide a sharp peripheral edge. Each spacer maintains the desirable relationship on a support member 3 to facilitate the dipping into molten selenium and subsequent rotation of the rectifier disks, and avoids an unsuitable layer of selenium and draining from the spacer onto the next adjacent lower disk.



653,948. **PROCESS FOR CONCENTRATION OF VITAMINS A AND D BY SELECTIVE ADSORPTION.** Norris D. Embree and Orris Hawks, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Filed Mar. 12, 1948. Published Feb. 28, 1950. Class 167—81. No drawing.

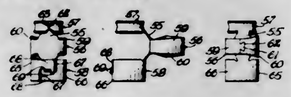
The application relates to the separation and concentration of vitamins A and D in their natural condition from an unsaponified marine oil. The separation and concentration are effected by passing a solution of an unsaponified oil containing vitamins A and D in a non-eluting solvent such as petroleum ether, naphtha, hexane or cyclohexane, through a body of adsorbent material, preferably a weak adsorbent such as artificial zeolites, calcium hydroxide, calcium phosphate, zinc carbonate, natural zeolites or bone charcoal, and thereby separating the vitamin D from the vitamin A, washing the vitamin A from the body of adsorbent with additional solvent, and separately eluting vitamin D from the adsorbent with a strong eluting solvent such as acetone, methyl alcohol or chloroform.

The separation and concentration of vitamins A and D is illustrated in Table 1. The data in the table was obtained by dissolving 40 g. of sardine oil distillate (220 units per gram of vitamin D and 5,000 units per gram of vitamin A) in 200 cc. of petroleum ether, passing the solution through a sodium aluminum silicate column (2'' x 48'') containing 900 g. of the silicate, washing the column with 1,000 cc. of petroleum ether, dividing the column into 9 equal portions and eluting each portion with 200 cc. of acetone to obtain fractions 1 to 9. Fraction 10 is the fraction obtained from the petroleum ether washings.

Table 1

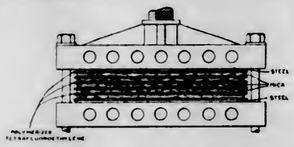
Fraction	Weight	Potency Vitamin A	Percent Recovery Vitamin A	Potency Vitamin D	Percent Recovery Vitamin D
1	5.33 g.	1,755 u./g.	4.8	1,520 u./g.	93
2	5.95 g.	1,600 u./g.	4.9	60 u./g.	4
3	4.05 g.	462 u./g.	0.95	below 22 u./g.	below 1
4	4.80 g.	450 u./g.	1.85	below 22 u./g.	below 1
5	3.76 g.	438 u./g.	0.85	below 22 u./g.	below 1
6	4.21 g.	354 u./g.	0.6	below 22 u./g.	below 1
7	3.96 g.	365 u./g.	0.6	below 22 u./g.	below 1
8	3.71 g.	900 u./g.	1.7	below 22 u./g.	below 1
9	2.97 g.	3,950 u./g.	6.0	below 22 u./g.	below 1
10	0.73 g.	220,000 u./g.	82.0	below 22 u./g.	below 1

676,842. CARTRIDGE BELT LINK. Harry P. Troendly and Sylvan J. Becker, Chicago, and Daniel C. Gillespie, Oak Park, Ill. Filed June 14, 1946. Published Feb. 28, 1950. Class 89—35. One sheet of drawings.



A belt link for a disintegrating ammunition belt in which adjacent similar links are articulately interconnected by cartridges. Each link is formed from a single stamped metal blank to provide a central hinge loop 56, a cartridge neck loop 57 having a tip 64 fitting into a notch 63 to prevent axial twisting of the arms of the loop, and a cartridge body loop 58 having free ends 68 which extend past each other and are struck up at 69 to prevent separation of the body branches by sliding past each other, while permitting limited lateral flexibility of the assembled cartridge belt.

770,833. METHOD OF PRODUCING MICA PLATES. Henry A. Letteron, Schenectady, N. Y., assignor to General Electric Co., a corporation of New York. Filed Aug. 27, 1947. Published Feb. 28, 1950. Class 154—2.6. One sheet of drawings.



The application relates to a method of making sheets composed of resin-bonded mica flakes which comprises coating the mica flakes with a resinous adhesive, forming the coated flakes into loosely bonded sheets, interposing said loosely bonded sheets between sheets of polymerized tetrafluoroethylene, heating the polymerized tetrafluoroethylene sheets and loosely bonded mica sheets under pressure to form securely bonded mica plates, cooling the mica plates and polymerized tetrafluoroethylene sheets and separating the polymerized tetrafluoroethylene sheets from the mica plates.

789,795. FLYING-SPOT SCANNING OF FILM TRANSPARENCIES. Siegfried Hansen, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York. Filed Dec. 5, 1947. Published Feb. 28, 1950. Class 178—7.2. One sheet of drawings.

The disclosure relates to a television projection system of the flying spot scanning type in which a cathode ray tube is utilized to produce a beam of light which is projected through a transparent slide or film upon a photocell. The cathode ray is caused to scan a rectangular raster, as in conventional television scanning practice, and the light originates from a phosphor screen of short persistence. One of the difficulties in this type of system arises from the finite decay time-constant of the phosphor, which tends to produce "smearing" of the reproduced image. In accordance with this disclosure, this effect is eliminated by a special coupling network in the amplifier which amplifies the photocell output.

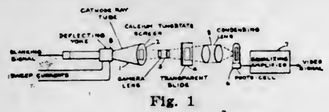


Fig. 1

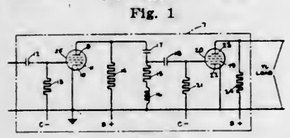
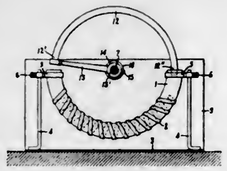


Fig. 2

As shown in the figure, the inter-stage coupling network between the amplifier tubes 25 and 20 includes a resistor 15 and inductance 16 in series. By making the time-constant R/L of this network equal to the decay time-constant of the phosphor in the scanning tube, the effect of the phosphor decay time is exactly compensated at the amplifier output.

88,466. VARIABLE INDUCTANCE DEVICE. Clifford K. Lodder, Baldwinsville, N. Y., assignor to General Electric Company, a corporation of New York. Filed Apr. 19, 1949. Published Feb. 28, 1950. Class 171—242. One sheet of drawings.

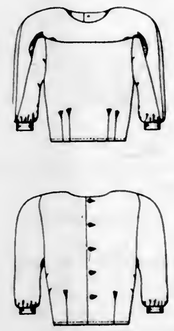


The application discloses a variable permeability tuning device which eliminates the necessity for string drives or gearing arrangements. An arcuate tubular inductance coil is concentrically arranged around a rotatable tuning shaft, and an arcuate rod of comminuted magnetically permeable material with a curvature conforming to the curvature of the coil is connected at one end to the shaft by a radially extending and angularly positionable connecting member. The free end of the arcuate magnetically permeable rod is propelled within the core of the coil by the rotation of the tuning shaft. The same shaft may operate a plurality of said rods for a plurality of said coils.

DESIGNS

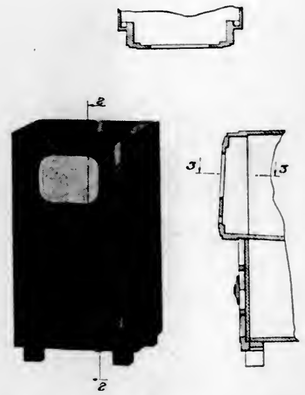
FEBRUARY 28, 1950

157,461
BLOUSE
Marsh Adler, Los Angeles, Calif., assignor to Deauville Models, Inc., Los Angeles, Calif., a corporation of California
Application August 23, 1948, Serial No. 148,258
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse, as shown.

157,462
TELEVISION CABINET
Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application July 29, 1948, Serial No. 147,841
Term of patent 14 years
(Cl. D56—4)



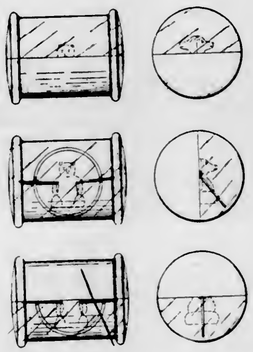
The ornamental design for a television cabinet, as shown.

157,463
COOKY BAKER
Arthur F. Alexander, Cleveland, Ohio
Application November 8, 1947, Serial No. 142,404
Term of patent 14 years
(Cl. D81—10)



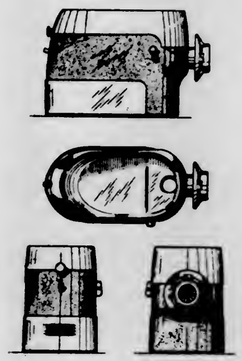
The ornamental design for a cooky baker, as shown and described.

157,464
ROLLBACK TOY
Earl R. Biggs, Portland, Oreg.
Application October 31, 1947, Serial No. 142,251
Term of patent 14 years
(Cl. D34—15)



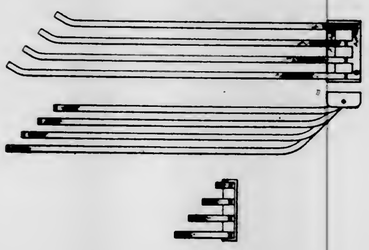
The ornamental design for a rollback toy, substantially as shown and described.

157,465
MEAT CHOPPER
Vincent G. Biro, Lakeside, Ohio, assignor to Biro Manufacturing Company, Marblehead, Ohio, a corporation of Ohio
Application February 25, 1949, Serial No. 1,086
Term of patent 14 years
(Cl. D89—1)



The ornamental design for a meat chopper, as shown and described.

157,466
RACK FOR TOWELS AND THE LIKE
Joseph Bornstein, Brookline, Mass., assignor to Simplex Metal Products Co., Boston, Mass., a corporation of Massachusetts
Application July 17, 1947, Serial No. 140,344
Term of patent 14 years
(Cl. D33—16)



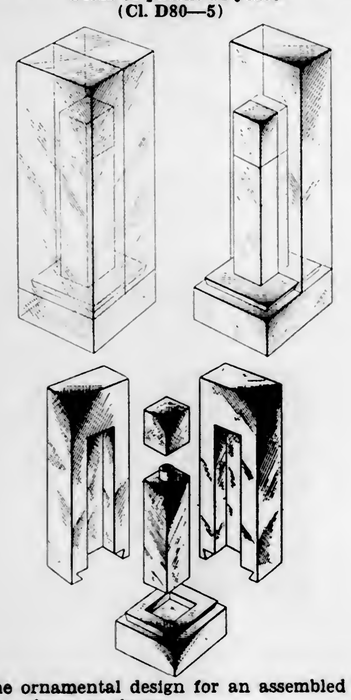
The ornamental design for a rack for towels and the like, as shown and described.

157,467
COMPACT
Lynn Brodton, New York, N. Y.
Application December 27, 1948, Serial No. 150,359
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a compact, substantially as shown.

157,468
ASSEMBLED DISPLAY PACKAGE
Charles H. Burger, New York, N. Y., assignor to Dermetics, Inc., New York, N. Y.
Application November 5, 1946, Serial No. 134,520
Term of patent 14 years
(Cl. D80—5)



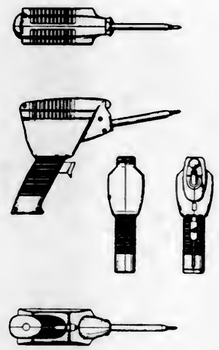
The ornamental design for an assembled display package, as shown.

157,469
PORTABLE ELECTRIC LAMP
Paul C. Calissi, Darby, Pa.
Application April 6, 1949, Serial No. 1,834
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a portable electric lamp, substantially as shown and described.

157,470
GUN-TYPE SOLDERING IRON
Harold W. Darr, Minneapolis, Minn., assignor to Phillips Manufacturing Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application September 6, 1949, Serial No. 4,861
Term of patent 14 years
(Cl. D26—1)



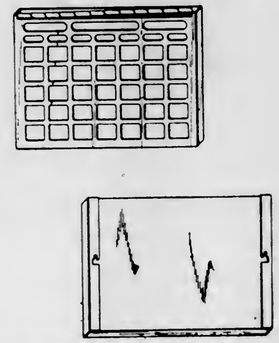
The ornamental design for a gun-type soldering iron, as shown.

157,471
CASING FOR A WRITING INSTRUMENT
Alfred W. Doux, New York, N. Y., assignor to Alfra Manufacturing Corporation, New York, N. Y., a corporation of New York
Application May 25, 1948, Serial No. 146,598
Term of patent 7 years
(Cl. D74—17)



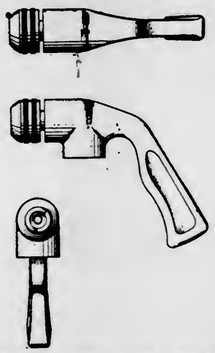
The ornamental design for a casing for a writing instrument, as shown.

157,472
CALENDAR CASE
Gerald Drazan, Spokane, Wash.
Application October 4, 1948, Serial No. 148,966
Term of patent 14 years
(Cl. D74—5)



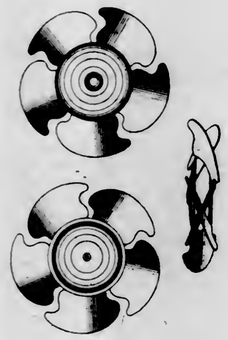
The ornamental design for a calendar case, as shown.

157,473
SPRAY GUN FRAME
John F. Engler, Houston, Tex.
Application February 10, 1948, Serial No. 144,387
Term of patent 3½ years
(Cl. D62—2)



The ornamental design for a spray gun frame, as shown.

157,474
FAN
Guy S. Faber, Chicago, Ill., assignor to Dearborn Stove Company, a corporation of Illinois
Application May 11, 1949, Serial No. 2,567
Term of patent 14 years
(Cl. D26—7)



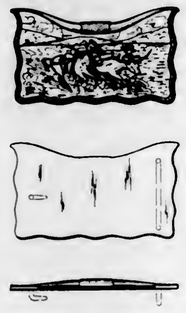
The ornamental design for a fan, as shown.

157,475
RECEPTACLE SEALING CAP
Edward H. Fabrice, Chicago, Ill., assignor to Fabart Instrument Company, Chicago, Ill., a corporation of Illinois
Application September 29, 1948, Serial No. 148,878
Term of patent 14 years
(Cl. D58—26)



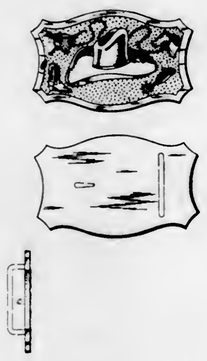
The ornamental design for a receptacle sealing cap, as shown.

157,476
FACEPLATE FOR A BELT BUCKLE OR THE LIKE
Luca Fantaccione, Attleboro, Mass.
Application September 20, 1949, Serial No. 5,091
Term of patent 7 years
(Cl. D17—1)



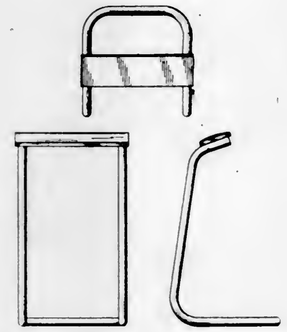
The ornamental design for a faceplate for a belt buckle or the like, as shown and described.

157,477
FACEPLATE FOR A BELT BUCKLE OR THE LIKE
Luca Fantaccione, Attleboro, Mass.
Application September 20, 1949, Serial No. 5,092
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a face plate for a belt buckle or the like, as shown and described.

157,478
CHAIR
John Farkas, Jr., Chicago, Ill.
Application April 26, 1947, Serial No. 138,651
Term of patent 14 years
(Cl. D15—8)



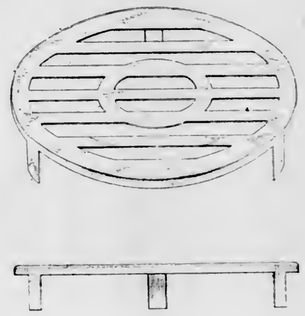
The ornamental design for a chair, as shown and described.

157,479
SACHET
Ellie Marie Fetterer, Sheboygan, Wis.
Application January 24, 1949, Serial No. 431
Term of patent 3½ years
(Cl. D86—10)



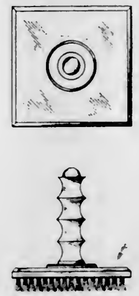
The ornamental design for a sachet, as shown.

157,480
GRILL
Samuel D. Foss, Bay City, Mich., assignor to Nichols-Foss Packing Co., Bay City, Mich.
Application November 12, 1948, Serial No. 149,577
Term of patent 14 years
(Cl. D44—1)



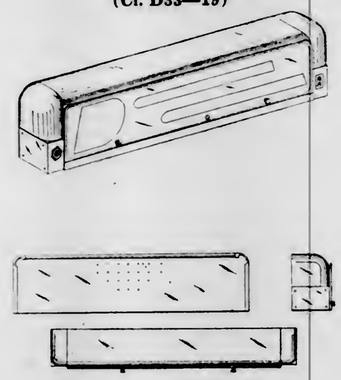
The ornamental design for a grill, as shown.

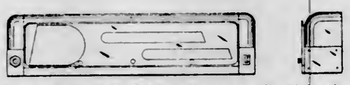
157,481
POT SCRAPER
Louise M. Jones Foulke, Brooklyn, N. Y.
Application December 31, 1947, Serial No. 143,481
Term of patent 14 years
(Cl. D9—6)



The ornamental design for a pot scraper, as shown.

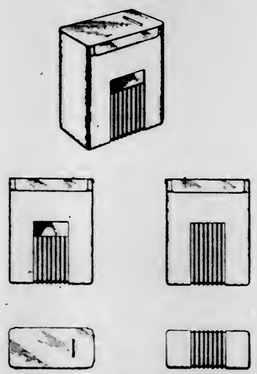
157,482
TOOL CABINET
Alexander P. Fox, University City, and August D. Reisert, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application December 18, 1948, Serial No. 150,235
Term of patent 7 years
(Cl. D33—19)





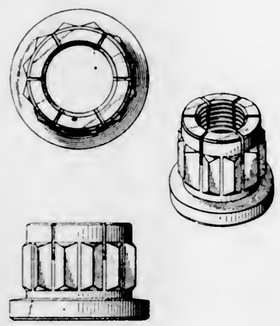
The ornamental design for a tool cabinet, substantially as shown.

157,483
CIGARETTE PACKAGE HOLDER
Donald Franklin, Chicago, Ill., assignor to Donald Franklin and Stephens Franklin, co-partners, doing business as Deluxe Engraving Co., Chicago, Ill.
Application July 15, 1949, Serial No. 3,934
Term of patent 7 years
(Cl. D85—2)



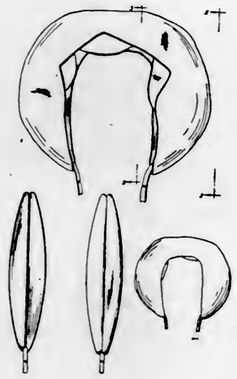
The ornamental design for a cigarette package holder, substantially as shown.

157,484
NUT
Harald F. Gade, Philadelphia, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania
Application August 18, 1948, Serial No. 148,171
Term of patent 14 years
(Cl. D54—9)



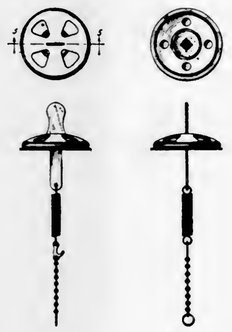
The ornamental design for a nut, as shown.

157,485
HAT OR THE LIKE
La Verne Gammon, Bogota, N. J.
Application August 11, 1948, Serial No. 148,047
Term of patent 3½ years
(Cl. D3—13)



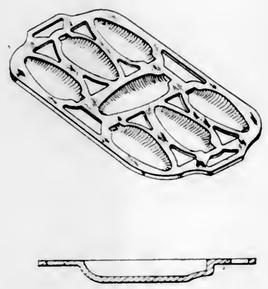
The ornamental design for a hat or the like, as shown.

157,486
FILTER FOR COFFEE MAKERS
Matthew P. Glowacki, Chicago, Ill.
Application July 5, 1947, Serial No. 140,115
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a filter for coffee makers, substantially as shown.

157,487
BAKING PAN FOR CORN STICKS OR THE LIKE
Harry Goodman, Britton, and Ralph M. Wolfe, Oklahoma City, Okla., assignors to Little Giant Vaporizer Co., Inc., Oklahoma City, Okla.
Application November 17, 1947, Serial No. 142,567
Term of patent 3½ years
(Cl. D44—1)



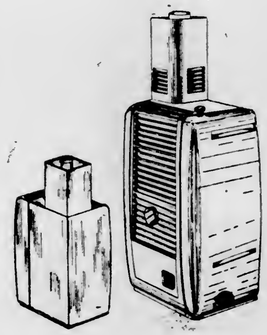
The ornamental design for a baking pan for corn sticks or the like, as shown.

157,488
BOTTLE
Laurie O. Graf, Wauwatosa, Wis., assignor to John Graf Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 25, 1949, Serial No. 1,625
Term of patent 14 years
(Cl. D58—8)



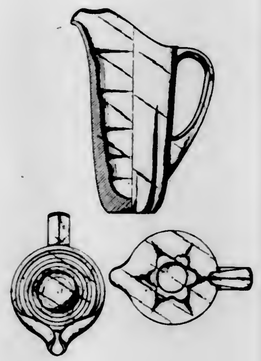
The ornamental design for a bottle, as shown and described.

157,489
CORNER-POSITIONABLE HEATER CASING
Jordan L. Heiman, St. Louis, Mo.
Application July 6, 1949, Serial No. 3,728
Term of patent 14 years
(Cl. D81—19)



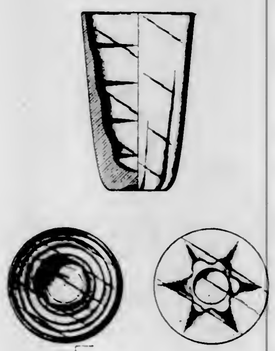
The ornamental design for a corner-positionable heater casing, as shown.

157,490
COCKTAIL MIXER
Walter Ture Heintze, Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 26, 1948, Serial No. 149,823
Term of patent 14 years
(Cl. D36—2)



The ornamental design for a cocktail mixer, as shown.

157,491
HIGHBALL GLASS
Walter T. Heintze, Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 26, 1948, Serial No. 149,824
Term of patent 14 years
(Cl. D36—8)



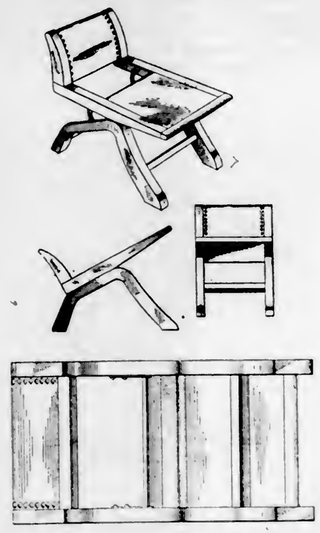
The ornamental design for a highball glass, as shown.

157,492
COCKTAIL GLASS
Walter T. Heintze, Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 26, 1948, Serial No. 149,825
Term of patent 14 years
(Cl. D36—8)



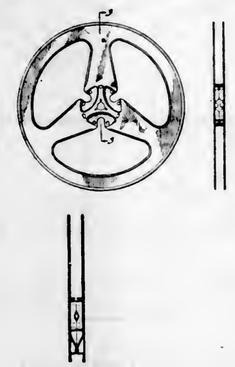
The ornamental design for a cocktail glass, as shown.

157,493
LEG STOOL
Percy Watt Hood and Roger Moorman, Gloucester, Va.
Application July 2, 1948, Serial No. 147,348
Term of patent 14 years
(Cl. D15—8)



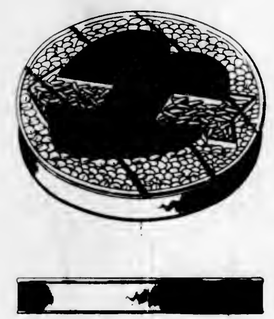
The ornamental design for a leg stool, as shown and described.

157,494
SOUND RECORDING TAPE REEL
Roger F. How and Donald S. Whitnah, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application February 26, 1949, Serial No. 1,096
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a sound recording tape reel, as shown.

157,495
CANDY PACKAGE
Charles A. Howe, Chicago, Ill., assignor to Howe Products, Incorporated, Chicago, Ill., a corporation of Illinois
Application June 11, 1947, Serial No. 139,576
Term of patent 3½ years
(Cl. D58—11)



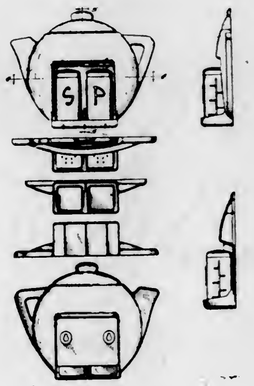
The ornamental design for a candy package, as shown.

157,496
TOY FIGURE
Lloyd D. Hoyt, Northfield, Ill.
Application April 23, 1949, Serial No. 2,217
Term of patent 14 years
(Cl. D34—4)



The ornamental design for a toy figure, substantially as shown.

157,497
COMBINED WALL PLAQUE AND CONDIMENT SHAKER UNIT
Charles E. Jones, Chicago, Ill., assignor to Commonwealth Plastics, Inc., Chicago, Ill., a corporation of Delaware
Application September 23, 1948, Serial No. 148,734
Term of patent 14 years
(Cl. D44—22)



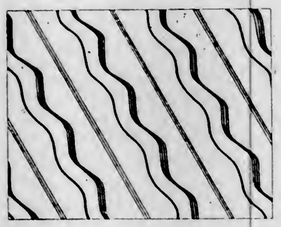
The ornamental design for a combined wall plaque and condiment shaker unit, substantially as shown.

157,498
PERFUME CONTAINER
Howard Kestenbaum, Great Neck, N. Y.
Application March 24, 1949, Serial No. 1,597
Term of patent 14 years
(Cl. D58—6)



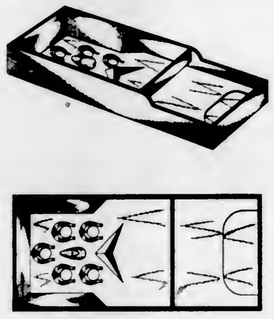
The ornamental design for a perfume container, as shown.

157,499
RUBBER SHEETING
Janet C. Kilner, Romeo, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
Application October 7, 1948, Serial No. 149,010
Term of patent 14 years
(Cl. D87—3)



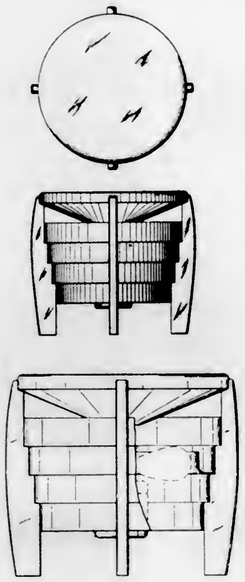
The ornamental design for rubber sheeting, as shown and described.

157,500
GAME BOARD
Walton O. King, Mount Clemens, Mich.
Application October 18, 1948, Serial No. 149,169
Term of patent 7 years
(Cl. D34—5)



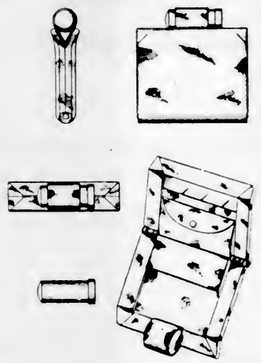
The ornamental design for a game board, as shown.

157,501
AIR CIRCULATOR UNIT
Jacob Walter Kisling, St. Louis, Mo.
Application February 27, 1948, Serial No. 144,781
Term of patent 7 years
(Cl. D26—7)



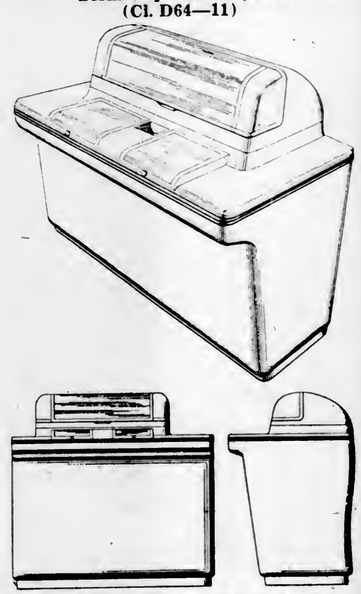
The ornamental design for an air circulator unit, substantially as shown.

157,502
COMBINED VANITY CASE AND LIPSTICK HOLDER
Murray Klotz, New York, N. Y.
Application July 6, 1949, Serial No. 3,727
Term of patent 14 years
(Cl. D86—10)



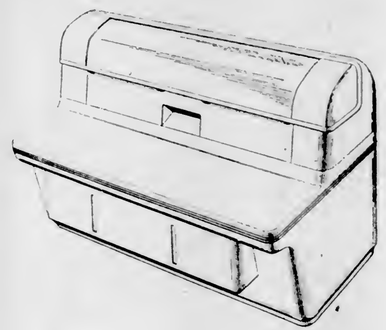
The ornamental design for a combined vanity case and lipstick holder, substantially as shown.

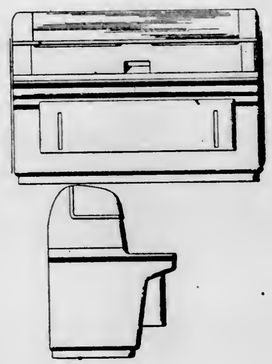
157,503
CARD READER FOR A COMPUTING MACHINE
George H. Kress, Vestal, N. Y., and Carl W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 16, 1948, Serial No. 146,994
Term of patent 14 years
(Cl. D64—11)



The ornamental design for a card reader for a computing machine, as shown.

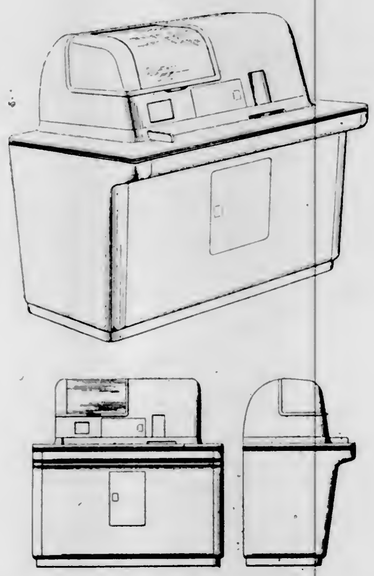
157,504
PRINTER FOR A COMPUTING MACHINE
George H. Kress, Vestal, N. Y., and Carl W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 16, 1948, Serial No. 146,995
Term of patent 14 years
(Cl. D64—11)





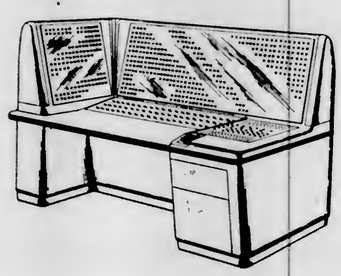
The ornamental design for a printer for a computing machine, as shown.

157,505
CARD PUNCH FOR A COMPUTING MACHINE
George H. Kress, Vestal, N. Y., and Carl W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 16, 1948, Serial No. 146,996
Term of patent 14 years
(Cl. D64—11)

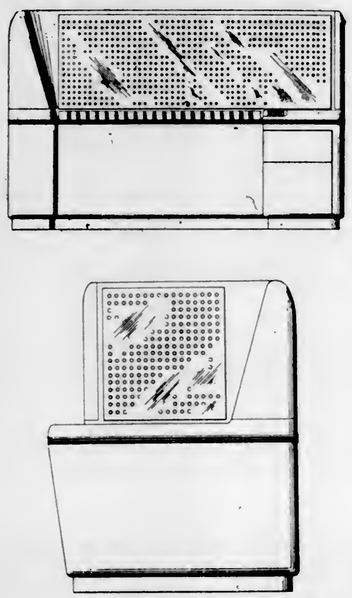


The ornamental design for a card punch for a computing machine, as shown.

157,506
CONSOLE FOR A COMPUTING MACHINE
George H. Kress, Vestal, N. Y., and Carl W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 16, 1948, Serial No. 146,997
Term of patent 14 years
(Cl. D64—11)

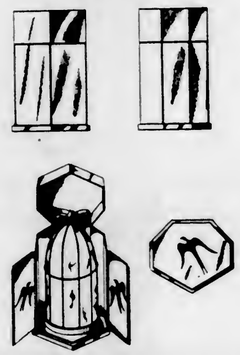


157,506—Continued



The ornamental design for a console for a computing machine, as shown and described.

157,507
PERFUME CONTAINER
Germaine Lecomte, Paris, France, assignor to Parfums Germaine Lecomte Societe a Responsabilite Limitee, Paris, France, a corporation of France
Application March 17, 1949, Serial No. 1,446
Term of patent 3½ years
(Cl. D58—12)



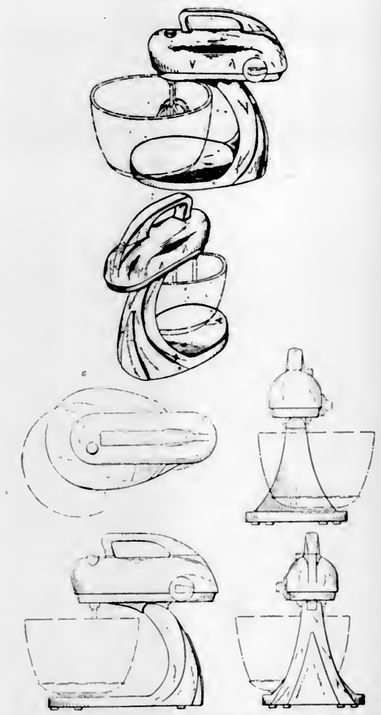
The ornamental design for a perfume container, substantially as shown.

157,508
FLEXIBLE SPRAY BOTTLE
Jules B. Montenier, Chicago, Ill.
Application March 25, 1949, Serial No. 1,609
Term of patent 14 years
(Cl. D58—9)



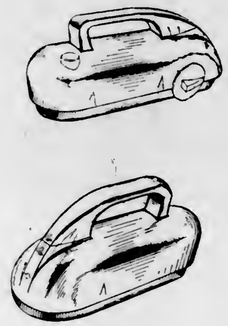
The ornamental design for a flexible spray bottle, as shown and described.

157,509
FOOD MIXER OR THE LIKE
Anthony Naiden, Southwick, Mass., assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application January 10, 1948, Serial No. 143,643
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a food mixer or the like, substantially as shown and described.

157,510
POWER UNIT FOR A FOOD MIXER OR THE LIKE
Anthony Naiden, Southwick, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1948, Serial No. 143,644
Term of patent 14 years
(Cl. D44—1)



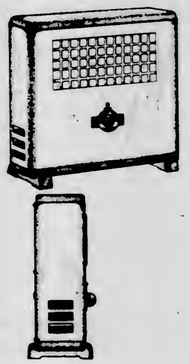
The ornamental design for a power unit for a food mixer or the like, substantially as shown and described.

157,511
COOKY JAR
Jess L. Parentice, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application March 18, 1948, Serial No. 145,191
Term of patent 3½ years
(Cl. D44—15)

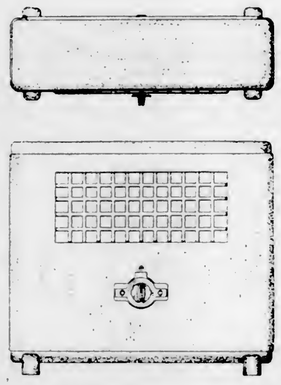


The ornamental design for a cooky jar, as shown.

157,512
ELECTRIC ROOM HEATER OR SIMILAR ARTICLE
Israel Pass, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application January 15, 1949, Serial No. 252
Term of patent 14 years
(Cl. D81—19)

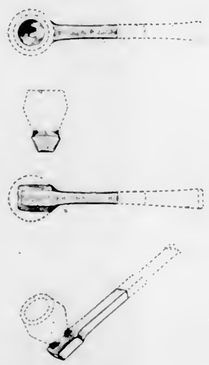


157,512—Continued



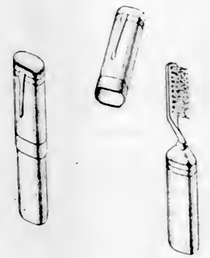
The ornamental design for an electric room heater or similar article, substantially as shown.

157,513
TOBACCO PIPE
Charles W. Pepper, Denver, Colo.
Application March 26, 1949, Serial No. 1,630
Term of patent 14 years
(Cl. D85—8)



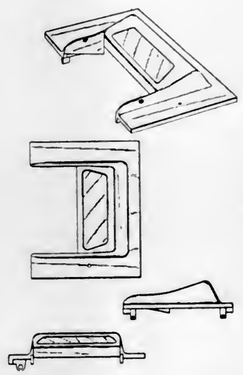
The ornamental design for a tobacco pipe, as shown and described.

157,514
FOUNTAIN TOOTHBRUSH
Ludwig F. Perwas, Bronx, N. Y.
Application October 1, 1948, Serial No. 148,905
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a fountain toothbrush, as shown.

157,515
FEED CHUTE AND CONTROL PANEL CARRYING MEMBER FOR A MICROFILM RECORDER OR THE LIKE
Thomas R. Perzentka, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1948, Serial No. 149,604
Term of patent 14 years
(Cl. D61—1)



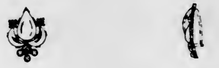
The ornamental design for a feed chute and control panel carrying member for a microfilm recorder or the like, as shown.

157,516
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 23, 1949, Serial No. 6,235
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

157,517
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 23, 1949, Serial No. 6,236
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,518
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 23, 1949, Serial No. 6,237
Term of patent 7 years
(Cl. D45—4)



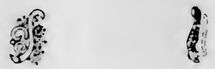
The ornamental design for a bracelet or similar article, substantially as shown.

157,519
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,472
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,520
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,473
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,521
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,474
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,522
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,475
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article substantially as shown.

157,523
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,478
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,524
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,483
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,525
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 7, 1949, Serial No. 6,484
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,526
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 9, 1949, Serial No. 6,530
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

157,527
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 9, 1949, Serial No. 6,531
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

157,528
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 9, 1949, Serial No. 6,532
Term of patent 7 years
(Cl. D45—19)



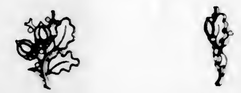
The ornamental design for a brooch or similar article, substantially as shown.

157,529
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 9, 1949, Serial No. 6,533
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,530
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 9, 1949, Serial No. 6,534
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,531
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 9, 1949, Serial No. 6,535
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

157,532
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 10, 1949, Serial No. 6,542
Term of patent 7 years
(Cl. D45—16)



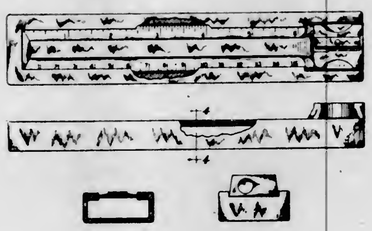
The ornamental design for a necklace or similar article, substantially as shown and described.

157,533
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 10, 1949, Serial No. 6,544
Term of patent 7 years
(Cl. D45—4)



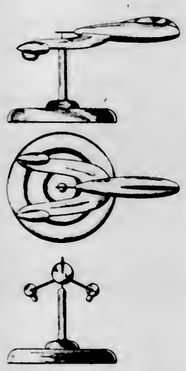
The ornamental design for a bracelet or similar article, substantially as shown and described.

157,534
COMBINATION PENCIL BOX, RULER, AND PENCIL SHARPENER
George L. Price, Great Neck, N. Y.
Application April 9, 1949, Serial No. 1,878
Term of patent 14 years
(Cl. D74—21)



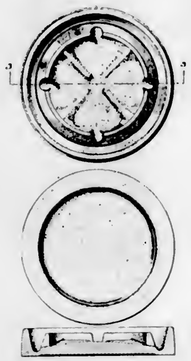
The ornamental design for a combination pencil box, ruler, and pencil sharpener, as shown and described.

157,535
BALANCING TOY
William Gabriel Quick, Daisy, Tenn.
Application May 14, 1948, Serial No. 146,367
Term of patent 3½ years
(Cl. D34—15)



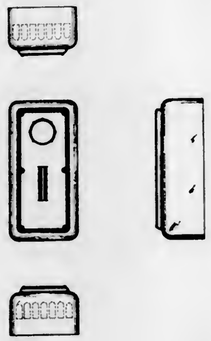
The ornamental design for a balancing toy, as shown.

157,536
COASTER
Joseph B. Richardson, Norfolk, Va.
Application November 30, 1948, Serial No. 149,882
Term of patent 14 years
(Cl. D44—10)



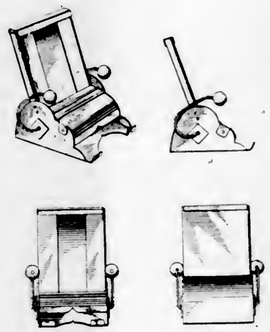
The ornamental design for a coaster, as shown.

157,537
CASING FOR A THERMOSTAT OR THE LIKE
Joe Roos, Jr., St. Louis, Mo., assignor to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri
Application March 25, 1947, Serial No. 137,856
Term of patent 14 years
(Cl. D52—7)



The ornamental design for a casing for a thermostat or the like, substantially as shown and described.

157,538
CIGARETTE DISPENSER OR THE LIKE
Louis Rossi, Bronx, N. Y.
Application June 11, 1949, Serial No. 3,208
Term of patent 14 years
(Cl. D85—2)



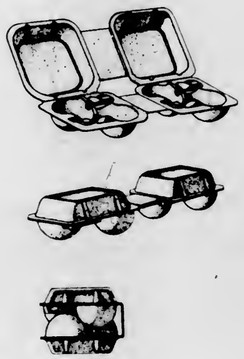
The ornamental design for a cigarette dispenser or the like, as shown.

157,539
BICYCLE HUB
Jay Rosten, Brooklyn, N. Y.
Application March 19, 1949, Serial No. 1,493
Term of patent 14 years
(Cl. D90—12)



The ornamental design for a bicycle hub, as shown.

157,540
PACK FOR FRAGILE ARTICLES
Ernest L. Shepard, Fairfield, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, and William B. Nulty, Portland, Maine, as trustees
Application January 10, 1948, Serial No. 143,635
Term of patent 14 years
(Cl. D58—13)



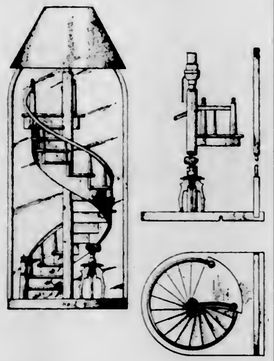
The ornamental design for a pack for fragile articles, as shown.

157,541
MATTRESS
Paul Spagnoli, San Francisco, Calif.
Application May 10, 1948, Serial No. 146,255
Term of patent 14 years
(Cl. D5—2)



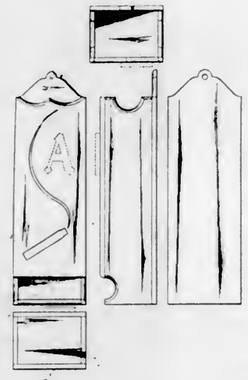
The ornamental design for a mattress, substantially as shown and described.

157,542
LAMP
Frank M. Spezzano, Bristol, Pa.
Application August 5, 1948, Serial No. 147,960
Term of patent 14 years
(Cl. D48—20)



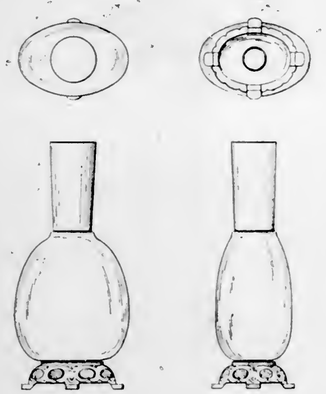
The ornamental design for a lamp, as shown.

157,543
CONTAINER FOR HOLDING AND DISPENSING PACKAGED CIGARETTES
Jules Tant and Angeline Tant, St. Charles, Ill.
Application May 2, 1949, Serial No. 2,375
Term of patent 7 years
(Cl. D52—2)



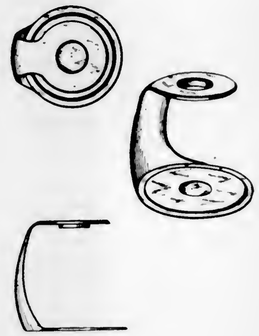
The ornamental design for a container for holding and dispensing packaged cigarettes, as shown, and described.

157,544
PERFUME BOTTLE
James Teague, Chicago, Ill., assignor to Dana Perfumes, Inc., Chicago, Ill., a corporation of Illinois
Application March 5, 1949, Serial No. 1,248
Term of patent 14 years
(Cl. D58—8)



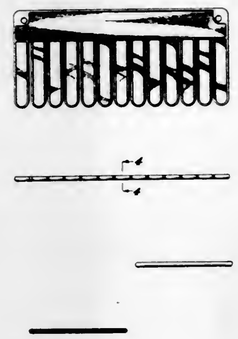
The ornamental design for a perfume bottle, substantially as shown.

157,545
HOLDER FOR VACUUM COFFEE MAKERS
Jack G. Temmer, Appleton, Wis.
Application August 11, 1948, Serial No. 148,049
Term of patent 3½ years
(Cl. D44—26)



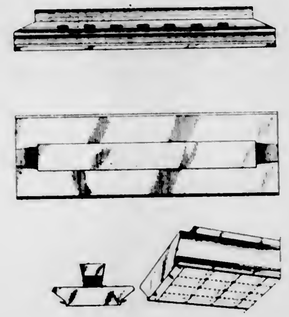
The ornamental design for a holder for vacuum coffee makers, substantially as shown.

157,546
TIE RACK OR SIMILAR ARTICLE
Frank J. Trabert, Los Angeles, Calif.
Application August 9, 1948, Serial No. 147,996
Term of patent 14 years
(Cl. D33—8)



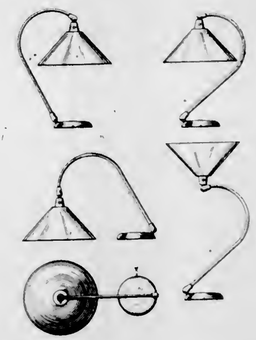
The ornamental design for a tie rack or similar article, as shown.

157,547
FLUORESCENT LIGHTING FIXTURE
Kurt Versen, Tenafly, N. J.
Application December 9, 1947, Serial No. 143,044
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

157,548
TABLE LAMP
Kurt Versen, Tenafly, N. J.
Application January 12, 1949, Serial No. 203
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a table lamp, substantially as shown.

157,549
SHOE HEEL
George V. Walls, Littleton, Colo.
Application November 17, 1947, Serial No. 142,582
Term of patent 14 years
(Cl. D7—5)



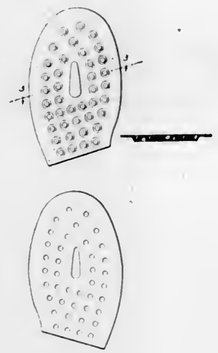
The ornamental design for a shoe heel, substantially as shown.

157,550
SHOE SOLE
George V. Walls, Littleton, Colo.
Application November 17, 1947, Serial No. 142,584
Term of patent 14 years
(Cl. D7—5)



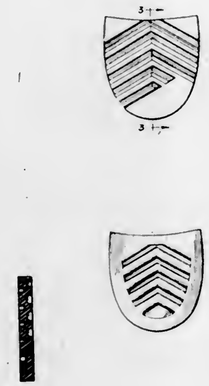
The ornamental design for a shoe sole, substantially as shown.

157,551
SHOE SOLE
George V. Walls, Littleton, Colo.
Application November 17, 1947, Serial No. 142,585
Term of patent 14 years
(Cl. D7—5)



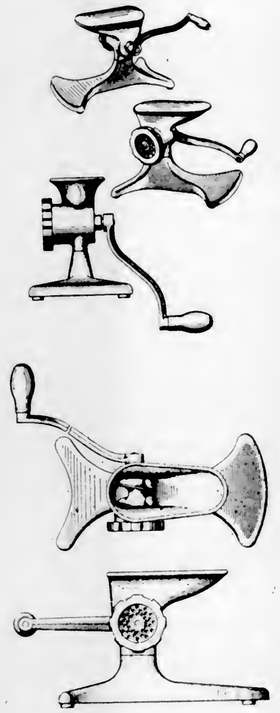
The ornamental design for a shoe sole, substantially as shown.

157,552
SHOE HEEL
George V. Walls, Littleton, Colo.
Application November 17, 1947, Serial No. 142,586
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe heel, substantially as shown.

157,553
FOOD CHOPPER
Herbert A. Wormeck and Frederick P. Hess, Philadelphia, Pa., assignors to The Enterprise Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application January 25, 1949, Serial No. 484
Term of patent 14 years
(Cl. D89—1)



The ornamental design for a food chopper, substantially as shown.

631 O. G.—79

157,554
PLATE OR THE LIKE
Ching-Chih Yee, New York, N. Y., assignor to Castleton China Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1948, Serial No. 149,619
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate or the like, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Anti-epileptic and mild sedative. Serial No. 550,198, Feb. 28. Class 18.

Accurate Parts Manufacturing Company, Cleveland, Ohio. Clutch facings and piston rings. Serial No. 571,388, Feb. 28. Class 35.

Ace Engineering Company, Chicago, Ill. Fluid fuel burners. Serial Nos. 555,036–7, Feb. 28. Class 34.

Acme Manufacturing Company, Detroit, Mich. Polishing and buffing machines, accessory equipment therefor, etc. Serial Nos. 555,231–3, Feb. 28. Class 23.

Acmo Venetian Blind Mfg. Co., Inc., Chicago, Ill. Venetian window blinds. Serial No. 587,667, Feb. 28. Class 32.

Aktiebolaget A. Lindahls Fabriker, Stockholm, Sweden. Cough tablets. Serial No. 546,271, Feb. 28. Class 18.

Allied Chemical & Dye Corporation, New York, N. Y. Alkali sulfonate. Serial No. 558,768, Feb. 28. Class 6.

Allied Chemical & Dye Corporation, New York, N. Y. Normally liquid phthalic acid ester product. Serial No. 570,149, Feb. 28. Class 6.

Allied Products Corporation, Salt Lake City, Utah. Refrigerators, and refrigerator cabinets, etc. Serial No. 500,042, Feb. 28. Class 31.

Alston-Lucas Paint Co., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Barn and roof paint. Serial No. 552,732, Feb. 28. Class 16.

Aluminum Goods Manufacturing Company, Manitowoc, Wis. Aluminum ware. Serial No. 577,853, Feb. 28. Class 13.

American Jewelry Distributors, Inc., New York, N. Y. Ladies' watches and watch movements. Serial No. 568,479, Feb. 28. Class 27.

American Khellin Corporation, New York, N. Y. Preparation which is pharmacologically a coronary vasodilator, etc. Serial No. 571,499, Feb. 28. Class 18.

American Liquid Meter Company, Beverly Hills, Calif. Liquid meters and parts thereof. Serial No. 529,541, Feb. 28. Class 26.

American Snuff Company, Memphis, Tenn. Snuff. Serial No. 555,350, Feb. 28. Class 17.

American Snuff Company, Memphis, Tenn. Snuff. Serial Nos. 557,648–50, Feb. 28. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. Serial No. 571,884, Feb. 28. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. Serial No. 571,887, Feb. 28. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. Serial No. 571,941, Feb. 28. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. Serial No. 571,942, Feb. 28. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. Serial No. 571,946, Feb. 28. Class 17.

American Woolen Company, Boston, Mass., and New York, N. Y. Woolen piece goods. Serial No. 579,650, Feb. 28. Class 42.

Amplifier Corp. of America, New York, N. Y. Magnetic recording and reproducing heads. Serial No. 571,104, Feb. 28. Class 21.

Amplifier Corp. of America, New York, N. Y. Magnetic sound recording and reproducing apparatus and magnetic tape. Serial No. 571,105, Feb. 28. Class 21.

Amplifier Corp. of America, New York, N. Y. Magnetic sound recording and reproducing apparatus. Serial No. 571,106, Feb. 28. Class 21.

Amundson, William D., Northfield, Minn. Reel assemblies. Serial No. 541,993, Feb. 28. Class 23.

Anaconda Wire and Cable Company, New York, N. Y. Electric wires and cables. Serial No. 572,232, Feb. 28. Class 21.

Anderson, C. C., Co., The: *See*—
Anderson, Carl A.

Anderson, Carl A., doing business as The C. A. Anderson Co., Athens, Tenn. Men's and boys' dress socks, etc. Serial No. 564,368, Feb. 28. Class 39.

Angela Lamp Company: *See*—
De Lu, Angela T.

Anjou and Parfums Anjou: *See*—
Campana Sales Company.

Ansul Chemical Company, Marinette, Wis. Liquid sulfur dioxide. Serial No. 570,081, Feb. 28. Class 6.

Ansul Chemical Company, Marinette, Wis. Liquid methyl chloride. Serial No. 570,082, Feb. 28. Class 6.

Anthony Mills: *See*—
Flour Mills of America, Inc.

Arcady Farms Milling Company, Chicago, Ill. Horse feed, etc. Serial No. 575,031, Feb. 28. Class 46.

Arkay Junior Frocks, Inc., New York, N. Y. Misses' and women's dresses. Serial No. 570,357, Feb. 28. Class 39.

Arkwright, Incorporated, New York, N. Y. Coats and dresses. Serial No. 556,943, Feb. 28. Class 39.

Armour and Company, Chicago, Ill. Sausage. Serial No. 528,405, Feb. 28. Class 46.

Armour and Company, Chicago, Ill. Sausage. Serial No. 528,410, Feb. 28. Class 46.

Armour and Company, Chicago, Ill. Leather belting. Serial No. 582,119, Feb. 28. Class 35.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 574,185, Feb. 28. Class 19.

Autographic Register Company, Hoboken, N. J. Manifolding registers. Serial No. 527,658, Feb. 28. Class 23.

Automatic Business Machines Corporation, Birmingham, Ala., now by change of name Insurograph, Inc. Vending machines. Serial No. 510,761, Feb. 28. Class 23.

B. R. Company: *See*—
Bronson Reel Company.

Bacharach, Inc., New York, N. Y., and elsewhere in the United States. Drip coffee makers. Serial No. 544,530, Feb. 28. Class 13.

Bama Company, The, Birmingham, Ala. Fruit preserves, jellies, peanut butter, etc. Serial No. 546,176, Feb. 28. Class 46.

Bancroft Racket Company, Pawtucket, R. I. Tennis rackets. Serial No. 503,153, Feb. 28. Class 22.

Bathasweet Corporation, New York, N. Y. Water softener. Serial No. 568,233, Feb. 28. Class 51.

Bauer-Heun Pharmaceutical Co., St. Louis, Mo. Dental anaesthetic solution. Serial No. 566,835, Feb. 28. Class 18.

Bearings Company of America, Lancaster, Pa. Radial ball bearings, etc. Serial No. 525,287, Feb. 28. Class 23.

Bel-Cor, Inc., Chicago, Ill. Costume jewelry. Serial No. 573,226, Feb. 28. Class 28.

Belmont Radio Corporation, Chicago, Ill. Radio receiving apparatus, combination radio receiving and electric phonograph apparatus. Serial No. 533,837, Feb. 28. Class 21.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Electric floodlight lowering equipment. Serial No. 523,735, Feb. 28. Class 21.

Bennett, Helen, New York, N. Y. Ladies' wearing apparel. Serial No. 571,597, Feb. 28. Class 39.

Betmar Hats, Inc., New York, N. Y. Women's caps. Serial No. 571,401, Feb. 28. Class 39.

Blue Buckle Overall Company, Inc., assignor to Blue Ridge Manufacturers, Inc., Lynchburg, Va. Overalls, coats, dungarees, etc. Serial No. 511,667, Feb. 28. Class 39.

Blue Ridge Manufacturers, Inc., assignee: *See*—
Blue Buckle Overall Company, Inc.

Borg-Warner Corporation, Chicago, Ill. Gears. Serial No. 584,035, Feb. 28. Class 23.

Boston Metal Products Co.: *See*—
Rubin, Irving.

Boyertown Auto Body Works, Inc., Boyertown, Pa. Truck bodies and structural parts thereof. Serial No. 515,974, Feb. 28. Class 19.

Briscoe, Frederick Y., Framingham Centre, Mass. 3-piece metal and wooden device known as a mattress protector. Serial No. 512,573, Feb. 28. Class 32.

Bronson Reel Company, Bronson, now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich. Fishing reels. Serial No. 538,876, Feb. 28. Class 22.

Brown, Lester, & Co., Laureldale, Pa. Candles. Serial No. 540,770, Feb. 28. Class 46.

Browning Manufacturing Company, Maysville, Ky. Rubber belting, sheaves, and V belt drives. Serial No. 570,358, Feb. 28. Class 35.

Bruner-Ritter, Inc., New York, N. Y. Bracelets, lockets, and neck chains. Serial No. 566,065, Feb. 28. Class 28.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Lacquer, bowling alley lacquer, lacquer thinner, etc. Serial No. 559,001, Feb. 28. Class 16.

Burk, Louis, Incorporated, Philadelphia, Pa. Meat products. Serial No. 588,936, Feb. 28. Class 46.

Bustamante, Jose, S. L., Jerez de la Frontera, Spain. Wines. Serial No. 572,158, Feb. 28. Class 47.

Campana Sales Company, doing business as Anjou and Parfums Anjou, New York, N. Y. Cologne, perfume, and toilet water. Serial No. 568,171, Feb. 28. Class 51.

Canamin Corporation, New York, N. Y. Facial ointments, face and skin lotions, facial creams, etc. Serial No. 555,373, Feb. 28. Class 51.

Canfield, H. O., Co., The, Bridgeport, Conn. Flat bibb, beveled bibb, syphon, etc., washers, etc. Serial No. 581,120, Feb. 28. Class 35.

Carson Pirie Scott & Company, Chicago, Ill. Women's junior size suits. Serial No. 570,044, Feb. 28. Class 39.

Castiglione Accordion Company: *See*—
Castiglione, Vincent.

Castiglione, Vincent, doing business as Castiglione Accordion Company, Detroit, Mich. Accordions. Serial No. 568,579, Feb. 28. Class 36.

Chance, A. B., Company, Centralia, Mo. Pulley blocks; detachable capstans; pike poles, etc. Serial No. 536,237, Feb. 28. Class 23.

Char-Lynn Co., Minneapolis, Minn. Hydraulic power pumps. Serial No. 538,356, Feb. 28. Class 23.

Chemspecs Laboratory: *See*—
Sowerwine, Elbert O., Jr.
Ciba Limited, Basel, Switzerland. Chemical product. Serial No. 560,974, Feb. 28. Class 6.
Ciba Limited, Basel, Switzerland. Chemical products. Serial No. 560,987, Feb. 28. Class 6.
Ciba Limited, Basel, Switzerland. Chemical substance. Serial No. 571,951, Feb. 28. Class 6.
Ciba Limited, Basel, Switzerland. Coal-tar colors. Serial Nos. 571,953–4, Feb. 28. Class 6.
Cincinnati Tool Company, The, Norwood, Ohio. Tools. Serial No. 568,833, Feb. 28. Class 23.
Cinderella Foods Division of Stevens Industries, Inc., Dawson, Ga. Peanut butter, peanut butter sandwiches, etc. Serial No. 536,050, Feb. 28. Class 46.
Ciner Manufacturing Company, New York, N. Y. Jewelry. Serial No. 574,491, Feb. 28. Class 28.
Citrus Reaming Equipment Co.: *See*—
Wurgaft, Harry L.
Clinton Watch Company, Chicago, Ill. Watches and watch movements. Serial No. 565,314, Feb. 28. Class 27.
Cockshutt Plow Company, Limited, Brantford, Canada. Farm wagons, farm trucks, farm trailers, etc. Serial No. 571,709, Feb. 28. Class 19.
Coffman, Hulda, Desota, Kans. Brassières. Serial No. 565,042, Feb. 28. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 579,483, Feb. 28. Class 42.
Columbia Broadcasting System, Inc., New York, N. Y. Dolls. Serial No. 575,751, Feb. 28. Class 22.
Commander-Larabee Milling Company, doing business as Minneapolis Milling Co., Minneapolis, Minn. Wheat flour. Serial Nos. 568,030–1, Feb. 28. Class 46.
Commander-Larabee Milling Company, doing business as Big Diamond Mills Co., Minneapolis, Minn. Wheat flour. Serial No. 568,034, Feb. 28. Class 46.
Commander-Larabee Milling Company, doing business as Northland Milling Co., Minneapolis, Minn. Wheat flour. Serial Nos. 568,036–0, Feb. 28. Class 46.
Commercial Syrup Co. Inc., New York, N. Y. Syrups, liquid flavoring extracts, and fruit flavors. Serial No. 540,039, Feb. 28. Class 45.
Congoleum-Nairn, Inc., Kearny, N. J. Wax preparations. Serial No. 548,790, Feb. 28. Class 4.
Cook, Dave, Sporting Goods Co., Denver, Colo. Fishing hooks. Serial No. 521,438, Feb. 28. Class 22.
Cooper Tire & Rubber Company, Findlay, Ohio. Automobile tires. Serial No. 557,262, Feb. 28. Class 35.
Cooper Tire & Rubber Company, Findlay, Ohio. Automobile tires. Serial No. 564,376, Feb. 28. Class 35.
Cormany, S. J., Jr., doing business as Million Dollar Grape Co., Mt. Vernon, Ill. Non-alcoholic maltless soft drink beverages. Serial No. 542,538, Feb. 28. Class 45.
Crompton Company, Crompton, R. I. Fabrics in the piece. Serial No. 580,049, Feb. 28. Class 42.
Curtis 1000 Inc., Hartford, Conn. Correspondence envelopes. Serial No. 503,972, Feb. 28. Class 37.
D W G Cigar Corporation, Detroit, Mich. Cigars. Serial No. 573,080, Feb. 28. Class 17.
D W G Cigar Corporation, Detroit, Mich. Cigars. Serial No. 573,082–3, Feb. 28. Class 17.
Daly-Herring Company, Kinston, N. C. Insecticides, fungicides and herbicides, etc. Serial No. 571,956, Feb. 28. Class 6.
Dandee Safety Devices Co., Norwalk, Conn., assignor to Supersite Corporation, New York, N. Y. Rear view mirrors. Serial No. 537,160, Feb. 28. Class 19.
Davis, Robbie A., New York, N. Y. Entertainment services. Serial No. 576,044, Feb. 28. Class 107.
De Kama, Inc., Los Angeles, Calif. Face cream. Serial No. 552,958, Feb. 28. Class 51.
De Lu, Angela T., doing business as Angela Lamp Company, San Diego, Calif. Electric table lamps. Serial No. 550,375, Feb. 28. Class 21.
De Free Company, The, Holland, Mich. Shampoo and cold cream. Serial No. 560,868, Feb. 28. Class 51.
Donnelly Garment Company, Kansas City, Mo. Suit. Serial No. 540,531, Feb. 28. Class 39.
Douglas Hunter Corporation, New York, N. Y. Metal stock. Serial No. 576,252, Feb. 28. Class 14.
Eagle-Picher Company, The: *See*—
Alston-Lucas Paint Co.
Edelbrew Brewery, Inc., Brooklyn, N. Y. Beer. Serial No. 571,599, Feb. 28. Class 48.
Ellis Paint Company, Long Beach, Calif. Synthetic enamels, varnishes, ready-mixed paints. Serial No. 496,226, Feb. 28. Class 16.
Elyria Auto Sales: *See*—
Mrhar, Joseph.
Empire Plow Company, The, Cleveland, Ohio. Wing sweeps and like ground-working agricultural metal tools. Serial No. 551,959, Feb. 28. Class 23.
Eries Manufacturing Company, Erie, Pa. Non-electric permanent magnetic separators. Serial No. 559,912, Feb. 28. Class 21.
Esbeco Distilling Corporation, Stamford, Conn. Whiskey. Serial No. 551,704, Feb. 28. Class 49.
Essex Cigar Company, Detroit, Mich. Cigars. Serial No. 573,084, Feb. 28. Class 17.
Euclid Road Machinery Co., The, Euclid, Ohio. Heavy-duty rear-dump trucks, side-dump trucks, truck chassis, etc. Serial No. 541,922, Feb. 28. Class 19.
Everseal Manufacturing Co., Inc., New York, N. Y. Ready-mixed enamel paints. Serial No. 575,341, Feb. 28. Class 16.
Ffen Products Company, Philadelphia, Pa. Brushes. Serial No. 555,092, Feb. 28. Class 29.
Fir Door Institute, Tacoma, Wash. Fir doors. Serial Nos. 566,866–70, Feb. 28. Class 12.
Firestone Tire & Rubber Company, The, Akron, Ohio. Garden hose. Serial No. 580,982, Feb. 28. Class 35.
Fish Canneries of Tasmania Proprietary Limited, Launceston, Tasmania, Australia, and elsewhere. Meat products and fish products. Serial No. 537,033, Feb. 28. Class 46.
Fisher Dairy and Cheese Company, Wapakoneta, Ohio. Cheddar cheese food. Serial No. 572,648, Feb. 28. Class 46.
Fletcher Enamel Company, The, Dunbar, W. Va. Base metal roasters. Serial No. 556,708, Feb. 28. Class 13.
Flour Mills of America, Inc., doing business as Goodlander Mills Company, Kansas City, Mo., and Fort Scott, Kans. Wheat flour. Serial No. 553,591, Feb. 28. Class 46.
Flour Mills of America, Inc., doing business as Anthony Mills, Kansas City, Mo., and Alva, Okla. Wheat flour. Serial No. 553,592, Feb. 28. Class 46.
Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City, and St. Louis, Mo. Wheat flour. Serial No. 553,599, Feb. 28. Class 46.
Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating greases. Serial No. 566,580, Feb. 28. Class 15.
Frei Bros., Santa Rosa, Calif. Fresh apples, evaporated apples. Serial No. 548,358, Feb. 28. Class 46.
Frei Bros., Santa Rosa, Calif. Dehydrated apples. Serial No. 562,991, Feb. 28. Class 46.
French-Wolf Paint Products Corp., Philadelphia, Pa. Oil based wall finish paint. Serial No. 547,722, Feb. 28. Class 16.
Frey, Gust, & Son, Lodi, Calif. Fresh grapes. Serial No. 546,848, Feb. 28. Class 46.
Frieder, S., & Sons Company, The, Cincinnati, Ohio, and Philadelphia, Pa. Cigars and cheroots. Serial No. 571,718, Feb. 28. Class 17.
Fuld Brothers, New York, N. Y. Blankets and comfortables. Serial No. 580,129, Feb. 28. Class 42.
Gaylord-Shelton, Inc., Chicago, Ill. Cold wave lotions. Serial No. 569,001, Feb. 28. Class 51.
General Tire & Rubber Company, The, Akron, Ohio. Machines for splicing inner tubes. Serial No. 556,572, Feb. 28. Class 23.
General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. Serial No. 581,946, Feb. 28. Class 35.
Geotechnical Corporation, The, Dallas, Tex. Geophysical surveys. Serial No. 579,593, Feb. 28. Class 100.
Geotechnical Corporation, The, Dallas, Tex. Geophysical surveys. Serial No. 580,015, Feb. 28. Class 100.
Gillette Safety Razor Company: *See*—
Toni Company, The.
Global Packing Company: *See*—
Indig, Victor A.
Globe-Wernicke Co., The, Cincinnati, Ohio. Desks, tables, telephone stands, etc. Serial No. 559,298, Feb. 28. Class 32.
Goggins, Jull R., Minneapolis, Minn. Ornamental pins, finger rings, belt buckles, etc. Serial No. 564,062, Feb. 28. Class 28.
Golden, Augustus J., Baltimore, Md. Cigars. Serial No. 536,377, Feb. 28. Class 17.
Goldstein, Charlotte, assignee: *See*—
Laurel Fashions, Inc.
Goldstein, Leon, assignee: *See*—
Laurel Fashions, Inc.
Good Lad: *See*—
Good Lad Co.
Good Lad Co. (also known as Good Lad), Philadelphia, Pa. Trousers. Serial No. 566,386, Feb. 28. Class 39.
Goodlander Mills Company: *See*—
Flour Mills of America, Inc.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic tires and tire repair materials. Serial No. 546,581, Feb. 28. Class 35.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. Serial No. 583,603, Feb. 28. Class 35.
Grant Photo Products, Inc., New York, N. Y. Sensitized photographic paper. Serial Nos. 488,751–2, Feb. 28. Class 26.
Grant Photo Products, Inc., New York, N. Y. Sensitized photographing paper. Serial No. 488,755, Feb. 28. Class 26.
Gulf Brewing Company, Houston, Tex. Lager beer. Serial No. 548,157, Feb. 28. Class 48.
Harf Inc., Hilltown, Pa. Hair dressing. Serial No. 549,636, Feb. 28. Class 51.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. Serial No. 546,220, Feb. 28. Class 19.
Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. Serial No. 564,448, Feb. 28. Class 39.
Hengar Company, Philadelphia, Pa. Compound for the production of hydrogen sulfide gas for laboratory use. Serial No. 567,783, Feb. 28. Class 6.
Highley Chemical Company, Dubuque, Iowa. Liquid soap. Serial No. 520,034, Feb. 28. Class 52.
Hiscox Chemical Company, Inc., Bradenton, Fla. Prickly heat lotion. Serial No. 561,749, Feb. 28. Class 18.

Hollywood Doll Mfg. Co.: *See*—
Ippolito, Domenick.
Horlacher Brewing Company, Allentown, Pa. Beer. Serial No. 502,977, Feb. 28. Class 48.
Household Products Co.: *See*—
Plee-Zing, Inc.
Hritzay, Paul, Crossingville, Pa. Liniment. Serial No. 569,700, Feb. 28. Class 18.
Hy-Pro Tool Company, New Bedford, Mass. Taps. Serial No. 572,360, Feb. 28. Class 23.
Indig, Victor A., doing business as Global Packing Company, San Francisco, Calif. Mechanical packings. Serial No. 566,940, Feb. 28. Class 35.
Industrial Soap Company, St. Louis, Mo. Disinfectants, bactericides, surgical disinfectants, and moth sprays. Serial No. 552,858, Feb. 28. Class 6.
Infilco Incorporated, Chicago, Ill. Liquid treating apparatus and equipment. Serial No. 548,373, Feb. 28. Class 23.
Insurograph, Inc.: *See*—
Automatic Business Machines Corporation.
Interchemical Corporation, New York, N. Y. Oilcloth and oilcloth table covers. Serial No. 564,021, Feb. 28. Class 20.
International Packers Commercial Co. Inc., Chicago, Ill. Spaghetti sauce with meat. Serial No. 556,342, Feb. 28. Class 46.
International Resistance Company, Philadelphia, Pa. Resistors, resistances, grid leaks, etc. Serial No. 560,470, Feb. 28. Class 21.
Ippolito, Domenick, doing business as Hollywood Doll Mfg. Co., Glendale, Calif. Dolls and dolls' clothes. Serial No. 573,840, Feb. 28. Class 22.
Jackson Furniture Company, Oakland, Calif. Home furniture and furnishings. Serial No. 525,857, Feb. 28. Class 32.
Jay-Thorpe, Inc., New York, N. Y. Gloves. Serial No. 559,614, Feb. 28. Class 39.
Jenkins Bros., Bridgeport, Conn., and New York, N. Y. Spring loaded reverse action globe valves. Serial No. 571,555, Feb. 28. Class 13.
Jersee Company, The, doing business as Security Food Company, Minneapolis, Minn. Concentrated food products. Serial No. 528,100, Feb. 28. Class 46.
Kaiser Fleetwings, Inc., Oakland, Calif. Electrically operated garbage grinder. Serial No. 549,156, Feb. 28. Class 21.
Kayser, Julius, & Co., New York, N. Y. Children's sleeping garments. Serial No. 570,561, Feb. 28. Class 39.
Kearney-Trecker Corporation: *See*—
Walker & Turner Company, Inc.
Kelly, George J., Inc., Lynn, Mass. Cleaner for white shoes. Serial No. 569,757, Feb. 28. Class 52.
King, Milt, doing business as Sediment Testing Supply Co., Chicago, Ill. Pads of fibrous material. Serial No. 562,939, Feb. 28. Class 31.
Kleenaire Kemikils, Inc., Detroit, Mich. Pressed cake of paradichloro benzene. Serial No. 531,217, Feb. 28. Class 6.
Kline's, Inc., St. Louis, Mo. Women's and misses' coats and suits. Serial No. 530,321, Feb. 28. Class 39.
Kuhls, H. B. Fred, Brooklyn, N. Y. Preservative. Serial No. 561,314, Feb. 28. Class 6.
Laher Spring and Tire Corporation, Oakland, Calif. Automobile and truck tires and automobile and truck brake lining and brake blocks. Serial No. 566,040, Feb. 28. Class 35.
Laurel Fashions, Inc., New York, N. Y., assignor to L. and C. Goldstein, jointly. Children's and women's blouses, dresses and suits. Serial No. 567,639, Feb. 28. Class 39.
LeGear, Dr. L. D., Medicine Company, St. Louis, Mo. Medicinal preparations. Serial No. 557,985, Feb. 28. Class 18.
Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Medicinal preparations. Serial No. 567,523, Feb. 28. Class 18.
Les Parfums Brisson (Société à Responsibilité Limitée), Paris, France. Perfumes, toilet waters, rouges, etc. Serial No. 560,030, Feb. 28. Class 51.
Les Parfums De Dana, Inc., New York, N. Y. Toilet soap. Serial No. 569,865, Feb. 28. Class 52.
Leslie Salt Co., Wilmington, Del., and San Francisco, Calif. Salt. Serial No. 531,688, Feb. 28. Class 46.
Lincoln Paper Company, Chicago, Ill. Hectograph carbon paper and duplicating units. Serial No. 571,032, Feb. 28. Class 11.
Logan Co., Louisville, Ky. Mattresses. Serial No. 560,520, Feb. 28. Class 32.
Longwood Chocolates Company: *See*—
Miller & Hollis, Inc.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections and flavoring materials. Serial No. 535,333, Feb. 28. Class 46.
Lowell Manufacturing Co.: *See*—
Lowell Specialty Company.
Lowell Specialty Company, doing business as Lowell Manufacturing Co., Lowell, Mich., and Chicago, Ill. Manually-operated devices. Serial No. 562,481, Feb. 28. Class 23.
Lyon-Raymond Corporation, Greene, N. Y. Material handling machinery. Serial No. 537,913, Feb. 28. Class 23.
Maas & Waldstein Company, Newark, N. J. Lacquers, air drying and baking paint enamels, and varnishes. Serial No. 537,925, Feb. 28. Class 16.
MacDermid Incorporated, Waterbury, Conn. Chemicals for cleaning metals. Serial No. 572,311, Feb. 28. Class 52.
Maltine Company, The, Morris Plains, N. J. Pharmaceutical product. Serial No. 570,785, Feb. 28. Class 18.
Markham, G. J., Lowry, Va. Canned vegetables. Serial No. 505,509, Feb. 28. Class 46.
Massa, Laurence, Los Angeles, Calif., Digger teeth and digger teeth adapters, scarifier teeth and mountings therefor. Serial No. 555,947, Feb. 28. Class 23.
Maxtan, Brassieres, Brooklyn and New York, N. Y. Brassières. Serial No. 543,656, Feb. 28. Class 39.
McAleer Manufacturing Company: *See*—
Bronson Reel Company.
McColpin-Christie Corporation, Ltd., Los Angeles, Calif. Combination storage battery charger and testing apparatus. Serial No. 542,149, Feb. 28. Class 21.
McCord Corporation, Detroit, Mich. Unit heaters. Serial No. 547,747, Feb. 28. Class 34.
Melster Brothers, Cleveland, Ohio. Juniors' and misses' jackets. Serial No. 502,447, Feb. 28. Class 39.
Melnire Distributing Co.: *See*—
Wolff, Melville L.
Mellos, Athanasios K., doing business as Mellos Peanut Company, Los Angeles, Calif. Popped and salted popcorn. Serial No. 519,478, Feb. 28. Class 46.
Mellos Peanut Company: *See*—
Mellos, Athanasios K.
Merilite Products Co., Milwaukee, Wis. Golf clubs. Serial No. 536,118, Feb. 28. Class 22.
Metallx Manufacturing Co., Inc., South Norwalk, Conn. Staking tools, cannon pinion tightener, friction jeweling press, etc. Serial No. 504,038, Feb. 28. Class 23.
Michigan Furniture Shops, Inc., Grand Rapids, Mich. Upholstered sofas, chairs and love seats. Serial No. 491,489, Feb. 28. Class 32.
Middlebrooke-Lancaster, Inc., Brooklyn, N. Y. Liquid, cream and pomade hair dressing. Serial No. 568,517, Feb. 28. Class 51.
Miller, A. O., Sales Company, Los Angeles, Calif. Rug poles, rug conveyors. Serial No. 547,927, Feb. 28. Class 23.
Miller & Hollis, Inc., also doing business as Longwood Chocolates Company, Boston, Mass. Chocolates. Serial No. 572,442, Feb. 28. Class 46.
Million Dollar Grape Co.: *See*—
Cormany, S. J., Jr.
Minneapolis Milling Co.: *See*—
Commander-Larabee Milling Company.
Miron Mills, Inc., Clinton, Mass. Wool fabrics in the piece. Serial No. 578,400, Feb. 28. Class 42.
Miron Mills, Inc., Clinton, Mass. Wool fabrics in the piece. Serial No. 580,253, Feb. 28. Class 42.
Modern Venetian Blinds, Inc., New York, N. Y. Venetian blinds and slats. Serial No. 568,970, Feb. 28. Class 32.
Monmouth Products Company, Cleveland, Ohio. Automotive vehicle chassis parts. Serial No. 532,856, Feb. 28. Class 19.
Mooresville Mills, Inc., Mooresville, N. C. Rayon drapery fabric. Serial No. 570,569, Feb. 28. Class 42.
Morgan Furniture Company, Asheville, N. C. Bedroom furniture. Serial No. 564,081, Feb. 28. Class 32.
Morgan Furniture Company, Asheville, N. C. Bedroom furniture, dining room furniture, etc. Serial No. 564,082, Feb. 28. Class 32.
Mrhar, Joseph, doing business as Elyria Auto Sales, Cleveland, Ohio. Wheeled utility trailers, and replacements therefor. Serial No. 522,429, Feb. 28. Class 19.
Muller-Thym, H.: *See*—
Muller-Thym, Harold.
Muller-Thym, Harold, doing business as H. Muller-Thym, Haverford, Pa. Nonfat dried milk solids, and sweetened condensed skim milk. Serial No. 572,910, Feb. 28. Class 46.
Mutual Dealers Wholesale Inc., Saint Paul, Minn. Automotive batteries, farm light batteries, spark plugs, etc. Serial No. 557,376, Feb. 28. Class 21.
Myers, F. E., & Bro. Company, The, Ashland, Ohio. Power operated sprayers. Serial Nos. 569,084–5, Feb. 28. Class 23.
National Cylinder Gas Company, Chicago, Ill. Adjuvant material. Serial No. 561,849, Feb. 28. Class 6.
National Cylinder Gas Company, Chicago, Ill. Hose. Serial No. 567,001, Feb. 28. Class 35.
Neilson Chemical Company, Detroit, Mich. Chemical preparation. Serial No. 504,858, Feb. 28. Class 52.
New Onyx and Plastic Novelty Co., Inc., Brooklyn, N. Y. Fountain pens. Serial No. 558,054, Feb. 28. Class 37.
Newbro Manufacturing Company, Atlanta, Ga. Dressing for the hair. Serial No. 542,872, Feb. 28. Class 51.
Niles-Bement-Pond Company, West Hartford, Conn. Precision dimension measuring machines, internal and external dimension gages, etc. Serial No. 557,154, Feb. 28. Class 26.
O-Cedar Corp'n, Chicago, Ill. Polishes and waxes. Serial No. 541,771, Feb. 28. Class 4.
Paris Decorators Corp., New York, N. Y. Ash trays, cigarette boxes, and smoking sets. Serial No. 564,342, Feb. 28. Class 8.
Parks, Harold M., Seattle, Wash. Canned salmon. Serial No. 570,877, Feb. 28. Class 46.
Patek and Co., San Francisco, Calif. Combination of enzymes. Serial No. 568,002, Feb. 28. Class 6.

Paterson, John E., doing business as Paterson Plastic Co., Mobile, Ala. Thermosetting synthetic plastic, and plasticizers. Serial No. 565,201, Feb. 28. Class 6.

Paterson Plastics Co.: *See*—
Paterson, John E.

Patrick, Audie R., Kansas City, Mo. Manually operated valve. Serial No. 508,608, Feb. 28. Class 23.

Payson Corporation, New York, N. Y. Paints, varnishes, paint enamels, etc. Serial No. 561,940, Feb. 28. Class 16.

Penn Tobacco Company, Wilkes-Barre, Pa. Smoking tobacco. Serial No. 539,743, Feb. 28. Class 17.

Pennsylvania Rubber Company, Jeannette, Pa. Inner tubes. Serial No. 554,594, Feb. 28. Class 35.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 570,719, Feb. 28. Class 6.

Pfeffer, James A., doing business under the name of Jim Pfeffer, Orlando, Fla. Artificial fish lures. Serial No. 575,155, Feb. 28. Class 22.

Pfeffer, Jim: *See*—
Pfeffer, James A.

Phenix Pabst-Ett Company, Chicago, Ill. Mayonnaise, French dressing, and sandwich spread. Serial No. 573,569, Feb. 28. Class 46.

Pierre French Ice Cream, Inc., Brooklyn, N. Y. Ice cream. Serial No. 532,132, Feb. 28. Class 46.

Pioneer Suspender Company, Philadelphia, Pa. Men's and boys' belts, garters, suspenders, etc. Serial No. 512,132, Feb. 28. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint finishes. Serial No. 544,276, Feb. 28. Class 16.

Planert Manufacturing Corp., Chicago, Ill. Steam condensate pumps. Serial No. 569,989, Feb. 28. Class 23.

Plee-zing, Inc., Chicago, assignor to Household Products Co., Evanston, Ill. Brooms, scrubbing brushes, dusters, and mops. Serial No. 548,602, Feb. 28. Class 29.

Porter, H. K., Company, Inc., Pittsburgh, Pa. Centrifugal, screw, rotary positive displacement, and gear pumps. Serial No. 562,499, Feb. 28. Class 23.

Price, Louis, doing business as Price Paper Company, New York, N. Y. Paper. Serial No. 571,044, Feb. 28. Class 37.

Price Paper Company: *See*—
Price, Louis.

Prichard & Constance (Amami) Inc., Bloomfield, N. J. Shampoos, brilliantine, antiseptic hair dressing, etc. Serial No. 570,223, Feb. 28. Class 51.

Prinz-Biederman Company, The, Cleveland, Ohio. Women's and misses' coats and suits. Serial No. 567,647, Feb. 28. Class 39.

Products Manufacturing Co. Inc., Baltimore, Md. Hub caps. Serial No. 569,535, Feb. 28. Class 19.

Quaker Lace Company, Philadelphia, Pa. Net curtains. Serial No. 570,225, Feb. 28. Class 42.

Quaker Oats Company, The, Chicago, Ill. Oats, macaroni, spaghetti, rice flakes, etc. Serial No. 559,052, Feb. 28. Class 46.

Quaker Oats Company, The, Chicago, Ill. Oats, rice flakes, wheat flakes, etc. Serial No. 559,053, Feb. 28. Class 46.

Quaker Oats Company, The, Chicago, Ill. Oats, barley, egg noodles, etc. Serial No. 559,054, Feb. 28. Class 46.

Quaker Oats Company, The, Chicago, Ill. Farina. Serial No. 559,055, Feb. 28. Class 46.

Quaker Oats Company, The, Chicago, Ill. Oats and hominy grits. Serial No. 559,056, Feb. 28. Class 46.

Rainier Brewing Company, San Francisco, Calif. Beer. Serial No. 577,343, Feb. 28. Class 48.

Ralston Purina Company, St. Louis, Mo. Poultry feed. Serial No. 552,714, Feb. 28. Class 46.

Republic Paint & Varnish Co., Chicago, Ill. Ready-mixed paints, paint enamels, varnishes, etc. Serial No. 540,899, Feb. 28. Class 16.

Reyam Distributors Corporation, New York, N. Y. Blinds and Venetian blinds. Serial No. 569,477, Feb. 28. Class 32.

Richmond Rubber Company, Inc., Richmond, Va. Pneumatic tires and inner tubes. Serial No. 552,717, Feb. 28. Class 35.

Robert-Frank Company: *See*—
Schnier, I. F.

Roberts, Gary, Inc., New York, N. Y. Dresses. Serial No. 571,663, Feb. 28. Class 39.

Rochelle Asparagus Company, Rochelle, Ill. Canned asparagus. Serial No. 537,830, Feb. 28. Class 46.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation. Serial Nos. 565,580–1, Feb. 28. Class 18.

Rose-Derry Company, Newton, Mass. Mattresses, and infants' pads. Serial No. 570,580, Feb. 28. Class 32.

Rubin, Irving, doing business under the name and style of Boston Metal Products Co., Boston, Mass. Wheeled carriers and two-wheeled hand trucks. Serial No. 577,285, Feb. 28. Class 19.

Rubinstein, Helena, Inc., New York, N. Y. Make-up foundation. Serial No. 566,171, Feb. 28. Class 51.

Rum and Maple Tobacco Corporation, New York, N. Y. Smoking tobacco. Serial No. 572,329, Feb. 28. Class 17.

Rum and Maple Tobacco Corporation, New York, N. Y. Smoking tobacco. Serial No. 572,519, Feb. 28. Class 17.

Rum and Maple Tobacco Corporation, New York, N. Y. Smoking tobacco. Serial No. 573,099, Feb. 28. Class 17.

S and M Company, The, Minneapolis, Minn. Pneumatic rubber tires and tubes. Serial No. 579,295, Feb. 28. Class 35.

Sachs, Morris B., Inc., Chicago, Ill. Men's and boys' suits and overcoats and ladies' coats, etc. Serial No. 559,417, Feb. 28. Class 39.

St. John & Co., Chicago, Ill. Catch basins, spice bins, welded steel cans, etc. Serial No. 519,701, Feb. 28. Class 2.

Sanitary Paper Mills, Incorporated, East Hartford, Conn. Cleansing tissues and toilet paper. Serial No. 574,979, Feb. 28. Class 37.

Sanitary Paper Mills, Incorporated, East Hartford, Conn. Absorbent facial tissues, cleansing tissues, and toilet tissues. Serial No. 574,980, Feb. 28. Class 37.

Savogran Company, The, Boston, Mass. Non-inflammable organic solvent type paint remover. Serial No. 572,057, Feb. 28. Class 16.

Schenley Distillers Corporation, also doing business as Triangle Vineyards, New York, N. Y. Wine. Serial No. 572,124, Feb. 28. Class 47.

Schenley Laboratories, Inc., New York, N. Y. Penicillin vaginal suppositories. Serial No. 568,453, Feb. 28. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Penicillin tablets. Serial Nos. 568,454–8, Feb. 28. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Penicillin product. Serial No. 568,460, Feb. 28. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Tablets for gastric hyperacidity. Serial No. 568,461, Feb. 28. Class 18.

Schering Corporation, Bloomfield, N. J. Antibiotic ointment. Serial No. 570,910, Feb. 28. Class 18.

Schnier, I. F., doing business as Robert-Frank Company, San Francisco, Calif. Canned fruits, canned vegetables, canned fruit cocktail, etc. Serial No. 548,415, Feb. 28. Class 46.

Schoenhofen Edelweiss Company, Chicago, Ill. Beer and ale. Serial No. 575,601, Feb. 28. Class 48.

Schwob, Louis A., doing business under the firm name and style Schwob Watch Company, New York, N. Y. Watches, watch-cases and watch movements. Serial No. 570,023, Feb. 28. Class 27.

Schwob Watch Company: *See*—
Schwob, Louis A.

Sears, Roebuck and Co., Chicago, Ill. Cold water sizing. Serial No. 559,328, Feb. 28. Class 16.

Security Food Company: *See*—
Jersee Company, The.

Sediment Testing Supply Co.: *See*—
King, Milt.

Selection de Tanya: *See*—
Smith, Tanya.

Seneca Falls Machine Company, Seneca Falls, N. Y. Lathes and parts thereof. Serial No. 554,264, Feb. 28. Class 23.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Bronchial medicament. Serial No. 572,213, Feb. 28. Class 18.

Shelton, Ruby B., Kilgore, Tex. Hair oil. Serial No. 571,579, Feb. 28. Class 51.

Shlansky, Loule, Corporation, New York, N. Y. Juniors' and misses' coats and suits. Serial No. 539,764, Feb. 28. Class 39.

Sigma Nu Fraternity, Indianapolis, Ind. Fraternity pins, finger rings, bracelets, etc. Serial No. 523,424, Feb. 28. Class 28.

Silvertex Company, The, Philadelphia, Pa. Outer garments. Serial No. 562,617, Feb. 28. Class 39.

Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. Serial No. 540,915, Feb. 28. Class 32.

Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. Serial No. 540,924, Feb. 28. Class 32.

Simmons Company, New York, N. Y. Studio couches and springs. Serial No. 561,514, Feb. 28. Class 32.

Skinner Mfg. Co., Omaha, Nebr. Deodorant in liquid form. Serial No. 542,179, Feb. 28. Class 51.

Skin-Tested Drug Products, Inc., New York, N. Y. Dentifrice. Serial No. 566,427, Feb. 28. Class 51.

Smith, Okla Homer, Furniture Mfg. Co., Inc., Fort Smith, Ark. Infants' and youths' furniture, Serial No. 570,907, Feb. 28. Class 32.

Smith, Tanya, New York, N. Y., doing business as Selection de Tanya. Necktles. Serial No. 566,666, Feb. 28. Class 39.

Sociedad Anonima "La Toja," Pontevedra, Spain. Face creams, tooth paste, shampoos, etc. Serial No. 555,458, Feb. 28. Class 51.

Southwest Grease & Oil Company, Inc., Wichita, Kans. Lubricants, motor oils and greases. Serial No. 490,463, Feb. 28. Class 15.

Sowerwine, Elbert O., Jr., doing business as Chemspecs Laboratory, Cranford, N. J. Preparation for the purpose of preventing formation or growth of mildew, etc. Serial No. 557,873, Feb. 28. Class 6.

Staley, A. E., Manufacturing Company, Decatur, Ill. Starch conversion syrup. Serial No. 572,873, Feb. 28. Class 18.

Sterling Brewers, Inc., Evansville, Ind. Malt products. Serial No. 587,779, Feb. 28. Class 48.

Sterling Clothing House, New York, N. Y. Men's suits, topcoats and sport coats. Serial No. 569,410, Feb. 28. Class 39.

Stern, Sidney J., & Co., Chicago, Ill. Hosiery. Serial No. 560,939, Feb. 28. Class 39.

Stroock, S., & Co. Inc., New York, N. Y. Women's coats. Serial No. 556,838–9, Feb. 28. Class 39.

Studebaker Corporation, The, South Bend, Ind. Automobiles. Serial No. 531,161, Feb. 28. Class 19.

Supersite Corporation: *See*—
Dandee Safety Devices Co.

Symphonic Radio and Electronic Corporation, Cambridge, Mass. Radio receiving sets and electrical phonograph recorders. Serial No. 494,468, Feb. 28. Class 21.

Telrex Inc., Asbury Park, N. J. Antennas. Serial No. 572,137, Feb. 28. Class 21.

Tintes, Hubert A., doing business as West Fargo Manufacturing Co., assignor to West Fargo Manufacturing Co., West Fargo, N. Dak. Self contained engine driven portable grain elevators and crop and manure loaders, etc. Serial No. 513,225, Feb. 28. Class 23.

Toni Company, The, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass. Shampoo. Serial No. 567,012, Feb. 28. Class 52.

Toni Company, The, Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass. Creme hair rinse. Serial No. 572,283, Feb. 28. Class 51.

Tonight, Inc., New York, N. Y. Dresses. Serial No. 571,670, Feb. 28. Class 39.

Tornek, Allen V., New York, N. Y. Watches. Serial No. 575,946, Feb. 28. Class 27.

Trelleborgs Gummifabriks Aktiebolag, Trelleborg, Sweden. Rubber rain coats, trench coats, rain coats, etc. Serial No. 553,753, Feb. 28. Class 39.

Triangle Vineyards: *See*—
Schenley Distillers Corporation.

Tropical Tool Company, Providence, R. I. Hoes Serial No. 567,813, Feb. 28. Class 23.

Tropical Trading Company, Chicago, Ill. Vending machine. Serial No. 558,763, Feb. 28. Class 23.

Union Chimique Belge, S. A., Brussels, Belgium. Pharmaceutical products. Serial No. 569,782, Feb. 28. Class 18.

Union Starch & Refining Company, Columbus, Ind. Water-soluble protein hydrolysis products. Serial No. 562,103, Feb. 28. Class 6.

U. S. Knitwear Company, Inc., Baltimore, Md. Wearing apparel. Serial No. 513,956, Feb. 28. Class 39.

United States Rubber Company, New York, N. Y. Resin impregnated laminated glass fabric sheets. Serial No. 553,926, Feb. 28. Class 26.

Universal-Rundle Corporation, New Castle, Pa. Lavatories, toilet bowls, bath tubs, etc. Serial No. 578,062, Feb. 28. Class 13.

Valier & Spies Milling Company: *See*—
Flour Mills of America, Inc.

Van der Heem N. V., The Hague, Netherlands. Electric vacuum cleaners, electric floor polishers, electric fans, etc. Serial No. 566,041, Feb. 28. Class 21.

Veritas Products Company, Inc., New York, N. Y. Douche tablets. Serial No. 568,763, Feb. 28. Class 18.

Vesta Underwear Company, Pawtucket, R. I. Ladies' undergarments. Serial No. 540,219, Feb. 28. Class 39.

Wahl Clipper Corporation, Sterling, Ill. Hand hair clippers, and hair shears. Serial No. 573,018, Feb. 28. Class 23.

Walker-Turner Company, Inc., Plainfield, N. J., assignor to Kearney & Trecker Corporation, West Allis, Wis. Drill presses, band saws, radial saws, etc. Serial No. 559,873, Feb. 28. Class 23.

Webb, J. A., Belting Co., Inc., Buffalo, N. Y. Machine belting. Serial No. 566,734, Feb. 28. Class 35.

Webb, J. A., Belting Co., Inc., Buffalo, N. Y. Machine belting. Serial Nos. 569,028–30. Feb. 28. Class 35.

Weber and Heilbroner, Inc., New York, N. Y. Men's suits, slacks, outer and under shirts, etc. Serial No. 568,082, Feb. 28. Class 39.

Weil, Paula, Long Beach, Calif. Medical preparation. Serial No. 560,739, Feb. 28. Class 18.

West Fargo Manufacturing Co.: *See*—
Tintes, Hubert A.

West Virginia Pulp and Paper Company, New York, N. Y. Fibreboard. Serial No. 559,390, Feb. 28. Class 21.

West Virginia Pulp and Paper Company, New York, N. Y. Book papers, writing paper, printing papers, etc. Serial No. 559,396, Feb. 28. Class 37.

Whink Products Company, Eldora, Iowa. Powdered soaps, liquid spot removers for fabrics and liquid rust removers. Serial No. 566,781, Feb. 28. Class 52.

Whitman Publishing Company, Racine, Wis. Game. Serial No. 577,835, Feb. 28. Class 22.

Wolff, Melville L., doing business as Melaire Distributing Co., New York, N. Y. Water-rotated brushes. Serial No. 560,634, Feb. 28. Class 29.

Wood, J. M., Manufacturing Company, Inc., Waco, Tex. One-piece work suits, shirts and pants and sportswear, etc. Serial No. 499,932, Feb. 28. Class 39.

Wurgaft, Harry L., doing business under the name and style of Citrus Reaming Equipment Co., Fullerton, Calif. Power driven citrus fruit splitting and reaming machines. Serial No. 538,482, Feb. 28. Class 23.

Yaso Medicinal, S. A., Barcelona, Spain. Anodyne-analgetic and antipyretic products. Serial No. 560,152, Feb. 28. Class 18.

Young, Eve.: *See*—
Young, Evert H.

Young, Evert H., doing business as Eve Young, San Mateo, Calif. Women's intimate wearing apparel. Serial No. 521,165, Feb. 28. Class 39.

Zimmerman Packing Company, Norwood, Ohio. Gasket material. Serial No. 580,543, Feb. 28. Class 35.

Zimmerman-Scher, Inc., New York, N. Y. Fur scarfs. Serial No. 570,458, Feb. 28. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Bingo and Equipment: *See*—
Herring, Mark.

Aerovox Corporation, New Bedford, Mass. Electric capacitors. 521,614, Feb. 28; Serial No. 567,446, published Nov. 29, 1949. Class 21.

Air-Lite Window Shield Corporation, New York, N. Y. Inside shield for windows. 521,458, Feb. 28; Serial No. 544,420, published Nov. 22, 1949. Class 12.

Allen, J. W., & Co., Chicago, Ill. Creams and fondants, flour mixtures, etc. 269,405, renewed Apr. 8, 1950. O. G. Feb. 28. Class 46.

Allen, Mark, Co.: *See*—
Allen, Mark W., & Co.

Allen, Mark W., & Co., by Mark Allen Co., Detroit, Mich. Shaving cream. 269,075, Mar. 25, 1930. Republished Feb. 28. Class 51.

Allied Products Corporation, Detroit, Mich. Dowel pins, screws, and stripper bolts. 521,598, Feb. 28; Serial No. 566,312, published Nov. 22, 1949. Class 13.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Air circuit breakers; air switches, electric switches, etc. 521,462, Feb. 28; Serial No. 546,082, published Nov. 22, 1949. Class 21.

Almo Radio Co., Philadelphia, Pa. Radios and radio parts. 521,477, Feb. 28; Serial No. 550,374, published Dec. 6, 1949. Class 21.

Altman, B., & Co., New York, N. Y. China and earthenware. 521,651, Feb. 28; Serial No. 570,169, published Oct. 25, 1949. Class 30.

American Air Filter Company, Inc., Louisville, Ky. Oily viscous liquids. 521,551, Feb. 28; Serial No. 562,004, published Nov. 15, 1949. Class 15.

American Battery Mfg. Company, doing business as Pioneer Battery Company, Kansas City, Mo., and Kansas City, Kans. Electric storage batteries. 521,474, Feb. 28; Serial No. 549,775, published May 24, 1949. Class 21.

American Chemical Paint Company, Ambler, Pa. Chemical preparations. 521,503, Feb. 28; Serial No. 554,848, published Nov. 15, 1949. Class 6.

American Chewing Products Corp., Newark, N. J. Chewing gum. 521,689, Feb. 28; Serial No. 539,474. Class 46.

American Coal Burner Company, Chicago, Ill. Natural or forced draft stokers. 521,509, Feb. 28; Serial No. 555,862, published Nov. 15, 1949. Class 34.

American Crayon Company, The, Sandusky, Ohio. Plastic modeling material. 264,687, renewed Dec. 3, 1949. O. G. Feb. 28. Class 1.

American Crayon Company, The, Sandusky, Ohio. Crayons. 269,130, renewed Mar. 25, 1950. O. G. Feb. 28. Class 37.

American Crayon Company, The, Sandusky, Ohio. Crayons. 269,135, renewed Mar. 25, 1950. O. G. Feb. 28. Class 37.

American Reenforced Paper Company, Attleboro, Mass. Reenforced paper. 521,496, Feb. 28; Serial No. 553,059, published Oct. 25, 1949. Class 12.

American Wire Fabrics Corporation, New York, N. Y. Screen wire-cloth. 521,627, Feb. 28; Serial No. 568,019, published Nov. 1, 1949. Class 13.

Ampco Metal, Inc., Milwaukee, Wis. Spot welding tips and resistance welding electrodes. 443,777, Feb. 28; Serial No. 492,022, published Oct. 29, 1946. Class 21.

Ansul Chemical Company, Marinette, Wis. Dry powdered chemical fire extinguishing compositions. 521,558, Feb. 28; Serial No. 563,096, published Nov. 1, 1949. Class 6.

Anthony Company, The, Long Island, N. Y. Check-valves, tire-valves, and liquid strainers. 521,505, Feb. 28; Serial No. 555,038, published Oct. 25, 1949. Class 13.

Arco Company, The, Cleveland, Ohio. Auto painting kits. 521,463, Feb. 28; Serial No. 546,748, published Oct. 4, 1949. Class 50.

Aristo Power Tools, Inc., assignor to Middle West Export Company, Chicago, Ill. Power-operated tools. 521,417, Feb. 28; Serial No. 532,899, published Nov. 8, 1949. Class 21.

Armand Company, The, Des Moines, Iowa. Hand and bath soap. 521,508, Feb. 28; Serial No. 555,478, published Oct. 18, 1949. Class 52.

Armour and Company, Chicago, Ill. High potency multivitamin preparation. 521,655, Feb. 28; Serial No. 570,609, published Nov. 15, 1949. Class 18.

Armstrong-Bray & Co., Chicago, Ill. Hinge plns. 521,480, Feb. 28; Serial No. 550,774, published Nov. 15, 1949. Class 13.

Ashtabula Printing Company, The, Ashtabula, Ohio. Periodic publication. 521,697, Feb. 28; Serial No. 554,759. Class 38.

Atlas Supply Company, Newark, N. J. Ignition parts. 521,610, Feb. 28; Serial No. 567,127, published Nov. 29, 1949. Class 21.

Attleboro Chain Company, to Marathon Co., Attleboro, Mass. Lockets and bracelets. 76,957, re-renewed Mar. 1, 1950. O. G. Feb. 28. Class 28.

Attorney General of the United States: *See*—
Mullhens, Peter.

Automatic Gold Chain Co., to Speidel Corporation, Providence, R. I. Jewelry. 269,948, renewed Apr. 22, 1950. O. G. Feb. 28. Class 28.

B. R. Company: *See*—
Bronson Reel Company.

Barber-Hall Printing Company, by Southern Furniture, Inc., High Point, N. C. Monthly magazine. 253,386, Feb. 26, 1929. Republished Feb. 28. Class 38.

Bartsch, Ernst A., doing business as Pinabord Manufacturing Company, Chicago, Ill. Doily stretchers. 521,455, Feb. 28; Serial No. 543,409, published Oct. 25, 1949. Class 50.

Beacon Falls Rubber Shoe Company, The, by United States Rubber Company, New York, N. Y. Shoes. 263,101, Oct. 29, 1929. Republished Feb. 28. Class 39.

Bell Sound Systems, Inc., The, Columbus, Ohio. Electrical phonograph apparatus. 521,403, Feb. 28; Serial No. 528,423, published Dec. 6, 1949. Class 21.

Bellingham Manufacturing Co., Bellingham, Wash. Gasoline powered generators and control panels therefor. 521,520, Feb. 28; Serial No. 557,245, published Nov. 22, 1949. Class 21.

Berry, Joseph N., Murray, Ky. Newsletter. 521,707, Feb. 28; Serial No. 568,709. Class 38.

Black, John H., Company: *See*—
Jewettville Clay Products Company, Inc.

Blenko Glass Company, Inc., Milton, W. Va. Drinking glasses, glass plates, vases, etc. 521,460, Feb. 28; Serial No. 545,574, published Oct. 25, 1949. Class 33.

Bloch, Robert, and Simone Van Moppes Bloch, New York, N. Y. Chinaware. 521,538, Feb. 28; Serial No. 560,377, published Oct. 25, 1949. Class 30.

Bloch, Simone Van Moppes: *See*—
Bloch, Robert, and Simone Van Moppes Bloch.

Boland Mfg. Co., Winona, Minn. Bowl covers, cylindrical open bottom covers, etc. 521,450, Feb. 28; Serial No. 541,804, published Oct. 25, 1949. Class 50.

Boscowitz, H. Huber, New York, N. Y. Packaged game. 521,640, Feb. 28; Serial No. 569,249, published Nov. 15, 1949. Class 22.

Boyle-Midway Inc., Jersey City, N. J. Chemical fertilizer. 521,499, Feb. 28; Serial No. 553,571, published Oct. 4, 1949. Class 10.

Bradley, Milton, Company, Springfield, Mass. Puzzles. 521,563–4, Feb. 28; Serial Nos. 563,483–4, published Nov. 15, 1949. Class 22.

Breck, John H., Inc., Springfield, Mass. Hair soaps, hand soaps, and hand cleaners. 521,473, Feb. 28; Serial No. 549,704, published Oct. 18, 1949. Class 52.

Bremerman, Eugene S., doing business as The No-Kem Company, St. Louis, Mo. Steam boiler electrolytic protective devices. 521,385, Feb. 28; Serial No. 497,841, published Nov. 29, 1949. Class 21.

Breskin & Charlton Publishing Corporation, to Packaging Catalog Corporation, New York, N. Y. Annual publication. 270,354, renewed May 6, 1950. O. G. Feb. 28. Class 38.

Briddell, Chas., D., Inc., Crisfield, Md. Meat knives. 521,685, Feb. 28; Serial No. 523,174. Class 23.

Bristol Laboratories Inc., Syracuse, N. Y. Anti-histamine preparation. 521,643, Feb. 28; Serial No. 560,346, published Nov. 15, 1949. Class 18.

Bronson Reel Company, Bronson, now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich. Fishing reels. 521,429, Feb. 28; Serial No. 537,286, published Nov. 1, 1949. Class 22.

Bronson Reel Company, Bronson, now by change of name B. R Company, assignor to McAleer Manufacturing Company, Rochester, Mich. Fishing reels. 521,436, Feb. 28; Serial No. 538,870, published Oct. 25, 1949. Class 22.

Brooklyn Corset Company, Inc., to Quest-Shon Mark Brassiere Co., Inc., Brooklyn, N. Y. Brassières. 501,842, Aug. 24, 1948. New certificate. O. G. Feb. 28. Class 39.

Brown, Ernest N., Kansas City, Mo. Weekly newspapers. 521,708, Feb. 28 Serial No. 571,508. Class 38.

Brown, W. R., Corporation, Chicago, Ill. Paint sprayers and spray guns. 521,684, Feb. 28; Serial No. 522,994. Class 23.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. 521,592, Feb. 28; Serial No. 565,610, published Oct. 25, 1949. Class 22.

Buffalo Hobby Haven, Buffalo, N. Y. Kits for children's use in making toys. 521,452, Feb. 28; Serial No. 542,530, published Oct. 25, 1949. Class 22.

Bureau of National Affairs, Inc., The, Washington, D. C. Sections of periodical publications. 521,629, Feb. 28; Serial No 568,095, published Nov. 1, 1949. Class 38.

Bush Manufacturing Company, The, Hartford, Conn. Ventilating unit coolers, blowers, condensers, etc. 521,440, Feb. 28; Serial No. 540,160, published Nov. 15, 1949. Class 34.

Butler Mfg. Company, Kansas City, Mo. Dry cleaning apparatus. 521,557, Feb. 28; Serial No. 562,828, published Nov. 22, 1949. Class 24.

Cabbage Patch Circle, Louisville, Ky. Dolls. 521,583, Feb. 28; Serial No. 564,929, published Oct. 25, 1949. Class 22.

California Foundations, Inc., Los Angeles, Calif. Foundation garments, panties, corsets, etc. 521,695, Feb. 28; Serial No 549,227. Class 39.

Calmic Limited, Lancashire, England. Installations employing mechanical and/or chemical means for ventilating and sanitary purposes. 521,434, Feb. 28; Serial No. 538,602, published Nov. 8, 1949. Class 34.

Cameo Doll Products Co., Inc., Brooklyn, N. Y., and Port Allegany, Pa. Dolls. 521,613, Feb. 28; Serial No. 567,385, published Nov. 15, 1949. Class 22.

Cannon Shoe Company, Baltimore, Md. Shoes. 521,678, Feb. 28; Serial No. 515,070. Class 39.

Cannon Shoe Company, Baltimore, Md. Shoes. 521,679, Feb. 28; Serial No. 516,532. Class 39.

Carolina Chemical Manufacturing Co., Inc.: *See*—
State Chemical Company, Inc.

Carolina Chemicals, Inc., Leesville, S. C. Agricultural insecticides and fungicides. 521,555, Feb. 28; Serial No. 562,592 published Nov. 15, 1949. Class 6.

Carson Pirie Scott & Co., to E. H. Patterson Company, Chicago, Ill. Monthly publication. 267,695, renewed Feb. 25, 1950. O. G. Feb. 28. Class 38.

Carter Machine & Tool Co., Rockford, Ill. Kitchen utility forks. 521,449, Feb. 28; Serial No. 541,510, published Oct. 4, 1949. Class 23.

Cascade Television Co., Newark, N. J. Television receiving sets. 521,560, Feb. 28; Serial No. 563,237, published Nov. 22, 1949. Class 21.

Catholic Intercontinental Press, Inc., New York, N. Y. Weekly publications. 521,633, Feb. 28; Serial No. 568,580, published Nov. 8, 1949. Class 38.

Caulk, L. D., Company, The, Milford, Del. Dental abrasive separating disks. 521,475, Feb. 28; Serial No. 550,018, published Nov. 15, 1949. Class 44.

Cavanagh, John, Ltd., New York, N. Y. Headwear for men and women. 270,725, May 13, 1930. Amended. O. G. Feb. 28. Class 39.

Celanese Corporation of America, New York, N. Y. Fabrics. 270,600, renewed May 13, 1950. O. G. Feb. 28. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 270,700, renewed May 13, 1950. O. G. Feb. 28 Class 42.

Central Paint & Roofing Company, Louisville, Ky. Smooth-surface and slate-surfaced composition roofing. 269,748, renewed Apr. 15, 1950. O. G. Feb. 28. Class 12.

Chanel, Inc., New York, N. Y. Perfume. 521,483, Feb. 28; Serial No. 551,168, published Nov. 15, 1949. Class 51.

Char-Gale Mfg. Co.: *See*—
Char-Gale Manufacturing Company.

Char-Gale Manufacturing Company, doing business as Char-Gale Mfg. Co., Minneapolis, Minn. Air conditioning and heating equipment. 521,656, Feb. 28; Serial No 570,692, published Nov. 22, 1949. Class 34.

Chatelier Laboratories: *See*—
Chatelier, Paul A.

Chatelier, Paul A., doing business as Chatelier Laboratories, St. Petersburg, Fla. Plant food and fertilizer mixtures. 521,532, Feb. 28; Serial No. 559,136, published July 12, 1949. Class 10.

Chem-L-Co Industries: *See*—
Lawley Charles F.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly, perfumed petroleum jelly, medicated petroleum jellies, etc. 443,792. Feb. 28; Serial No. 519,628, published July 20, 1948. Class 51.

Chicago Electric Manufacturing Company, Chicago, Ill. Electric fans, electric flatirons, etc. 521,407, Feb. 28; Serial No. 529,365, published Dec. 6, 1949. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electrical food and beverage mixers. 278,428, June 11, 1940. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electric toasters. 280,599, Feb. 24, 1931. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electric waffle irons. 280,600, Feb. 24, 1931. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electric food mixers. 281,291, May 17, 1931. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electric clippers and animal shears. 283,524, June 2, 1931. Republished Feb. 28. Class 23.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Combined electric cigarette lighters and dispensers. 291,281, Feb. 9, 1932. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electric sadirons. 297,079, Aug. 30, 1932. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electric animal shears and parts therefor. 297,388, Sept. 13, 1932. Republished Feb. 28. Class 23.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Kitchen utensils. 320,296, Dec. 25, 1934. Republished Feb. 28. Class 23.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Food mixers, fruit juice extractors, mayonnaise makers, drink mixers, etc. 327,314, Aug. 20, 1935. Republished Feb. 28. Class 23.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electrical coffee makers and parts thereof. 328,171, Sept. 17, 1935. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Liquid sprayers. 349,927, Sept. 14, 1937. Republished Feb. 28. Class 23.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Hand operated electrically driven drills. 367,025, May 9, 1939. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Lawn sprinklers, hose nozzles, hose couplings and quick coupling valves. 401,051, Apr. 20, 1943. Republished Feb. 28. Class 13.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Animal shearing machines; clippers for human hair; double end grinders; etc. 401,162, Apr. 27 1943. Republished Feb. 28. Class 23.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Periodical publication. 401,235, May 4, 1943 Republished Feb. 28. Class 38.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Heat treating furnaces, hardening and tempering furnaces, etc. 402,174, July 6, 1943. Republished Feb. 28. Class 34.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Oil pumps. 402,360, July 13, 1943. Republished Feb. 28. Class 23.

Chicago Flexible Shaft Company, by Sunbeam Corporation, Chicago, Ill. Electric furnaces. 402,855, Aug. 17, 1943. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, now by change of name to Sunbeam Corporation, by Sunbeam Corporation, Chicago, Ill. Lawn sprinklers. 432,058, Aug. 19, 1947. Republished Feb. 28. Class 13.

Chicago Flexible Shaft Company, now by change of name Sunbeam Corporation, by Sunbeam Corporation, Chicago, Ill. Buffet service sets. 441,675, Dec. 28, 1948. Republished Feb. 28. Class 21.

Chicago Flexible Shaft Company, now by change of name Sunbeam Corporation, by Sunbeam Corporation, Chicago, Ill. Replaceable filter elements for coffeemakers. 442,875, June 14, 1949. Republished Feb. 28. Class 31.

Chicago Times, Inc.: *See*—
Sun and Times Co.

Chiksan Company, Brea, Calif. Swivel joints, etc. 521,445, Feb. 28; Serial No. 541,261, published Nov. 22, 1949. Class 13.

Chiksan Export Company, Brea, Calif. Swivel joints for fluid conduits, ball bearing swivel joints, loading rack swivel joints, etc. 521,448, Feb. 28; Serial No. 541,403, published Nov. 15, 1949. Class 13.

Church, C. F., Mfg. Co., Willimansett, Mass. Bathroom fixtures. 521,486, Feb. 28; Serial No. 551,944, published Nov. 15, 1949. Class 13.

Cincinnati Tool Company, The, Norwood, Ohio. Wrenches. 521,677, Feb. 28; Serial No. 508,978. Class 23.

Cinderella Washing Machine Company, The, Cleveland, Ohio, to Lake State Products, Inc., Jackson, Mich. Clothes-washing machines. 262,786, renewed Oct. 22, 1949. O. G. Feb. 28. Class 24.

Circo Products Company, Cleveland, Ohio. Hydrocarbon solvent. 521,395, Feb. 28; Serial No. 520,379, published Nov. 22, 1949. Class 52.

Cities Service Oil Company, Bartlesville, Okla. Refined or unrefined petroleum products. 521,590, Feb. 28; Serial No. 565,542, published Nov. 22, 1949. Class 15.

Cities Service Oil Company, Bartlesville, Okla. Refined or unrefined petroleum products. 521,620, Feb. 28; Serial No. 567,756, published Nov. 22, 1949. Class 15.

Cities Service Oil Company, Bartlesville, Okla. Storage batteries, battery cables, battery chargers, etc. 521,621, Feb. 28; Serial No. 567,757, published Nov. 29, 1949. Class 21.

Cities Service Oil Company, Bartlesville, Okla. Refined or unrefined petroleum products. 521,623, Feb. 28; Serial No. 567,852, published Nov. 22, 1949. Class 15.

Cities Service Oil Company, Bartlesville, Okla. Storage batteries, battery cables, battery chargers, and spark plugs. 521,624, Feb. 28; Serial No. 567,853, published Dec. 6, 1949. Class 21.

Clapp, H. H., Sales Co.: *See*—
Clapp, Harold H.

Clapp, Harold H., doing business as H. H. Clapp Sales Co., Rochester, N. Y., to Wyeth Incorporated, Philadelphia, Pa. Wheat cereal. 266,559, renewed Jan. 28, 1950. O. G. Feb. 28. Class 46.

Cleveland Company, The, by The Forest City Publishing Company, Cleveland, Ohio. Newspapers. 202,007, Aug. 11, 1925. Republished Feb. 28. Class 38.

Cleveland Container Company, The, Cleveland, Ohio. Electrical and telephonic thermoplastic insulators. 521,575, Feb. 28; Serial No. 564,434, published Nov. 8, 1949. Class 21.

Cleveland & Sandusky Brewing Company, The, Cleveland, Ohio. Beer. 108,125, Jan. 18, 1916. Amended. O. G. Feb. 28. Class 48.

Cleveland & Sandusky Brewing Company, The, Cleveland, Ohio. Beer. 119,660, Dec. 11, 1917. Amended. O. G. Feb. 28. Class 48.

Clover Farm Stores Corporation, Cleveland, Ohio. Sanitary napkins and toothpicks. 521,507, Feb. 28; Serial No. 555,340, published Nov. 15, 1949. Class 44.

Club Aluminum Products Company, Chicago, Ill. Cast aluminum cooking utensils. 521,431, Feb. 28; Serial No. 537,980, published Oct. 18, 1949. Class 50.

Columbus Plastic Products, Inc., Columbus, Ohio. Plastic toy telephone set, children's money-saving bank, toy automobile. 521,561, Feb. 28; Serial No. 563,240, published Nov. 15, 1949. Class 22.

Compania Tabacalera Nacional, S. A., by Por Larranaga, Fabrica De Tabacos, S. A., Habana, Cuba. Cigars. 268,631. Mar. 18, 1930. Republished Feb. 28. Class 17.

Conde Nast Publications Inc., The, New York, N. Y. Section in a periodical. 521,709, Feb. 28; Serial No. 571,634. Class 38.

Congoleum-Nairn, Inc., Kearny, N. J. Dry, partially impregnated, and fully impregnated with asphalt, natural or artificial, felt. 521,471, Feb. 28; Serial No. 548,789, published Oct. 25, 1949. Class 50.

Consolidated Chemical Industries Inc.: *See*—
National Aluminate Corporation.

Consolidation Coal Company, New York, N. Y. Coal. 366,575, Apr. 18, 1939. Corrected. O. G. Feb. 28. Class 1.

Continental Elastic Corporation, New Bedford, Mass. Fishline. 521,438, Feb. 28; Serial No. 540,041, published Nov. 15, 1949. Class 22.

Continental Oil Company, Ponca City, Okla. Internal combustion engine fuels, burning oils, lubricating oils, and greases. 521,617, Feb. 28; Serial No. 567,685, published Nov. 22, 1949. Class 15.

Continental Oil Company, Ponca City, Okla. Internal combustion engine fuels, burning oils, lubricating oils, and greases. 521,638, Feb. 28; Serial No. 569,035, published Nov. 22, 1949. Class 15.

Continental Screw Company, New Bedford, Mass. Self-threading fastenings and self-threading screws. 521,435, Feb. 28; Serial No. 538,616, published Nov. 22, 1949. Class 13.

Cooper, T. G., & Co., Inc., Philadelphia, Pa. Emulsifying agent. 521,542. Feb. 28; Serial No. 560,865, published Nov. 15, 1949. Class 6.

Costa Bros., Stockton, Calif. Fresh grapes. 521,504, Feb. 28; Serial No. 554,953, published Nov. 22, 1949. Class 46.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 443,781–2, Feb. 28; Serial Nos. 508,142–3, published Nov. 1, 1949. Class 51.

Crouse-Hinds Company, Syracuse, N. Y. Certain electrical apparatuses and fixtures. 264,407, renewed Nov. 26, 1949. O. G. Feb. 28. Class 21.

Crown Cork Specialty Corporation: *See*—
Williams Sealing Corporation.

Daniels, Harold C., Youngstown, Ohio. Picture postcards. 521,612, Feb. 28; Serial No. 567,239, published Nov. 22, 1949. Class 38.

Dee, Thomas J. & Co., Chicago, Ill., assignor to Handy & Harman, Inc., New York, N. Y. Precious metal dental alloys. 521,406, Feb. 28; Serial No. 529,237, published Nov. 15, 1949. Class 44.

Delia Bros., Brooklyn, N. Y. Old discarded newspapers. 521,539, Feb 28; Serial No. 560,606, published Nov. 15, 1949. Class 1.

Diemolding Corporation, Canastota, N. Y. Molded plastic electrical parts for airplanes, parts for flood lights, parts for radios, etc. 521,487, Feb. 28; Serial No. 551,955, published Nov. 8, 1949. Class 21.

Dietary Laboratories: *See*—
Walsh, Michael J.

Dodge Manufacturing Corporation, Mishawaka, Ind. V-belt machinery drives. 521,690, Feb. 28; Serial No. 541,791. Class 23.

Dortch Stove Works, Inc., The, Franklin, Tenn. Gas and oil ranges. 521,444, Feb. 28; Serial No. 540,986, published Mar. 8, 1949. Class 34.

Douglas Fir Plywood Association, Tacoma, Wash. Fir plywood. 521,674–5, Feb. 28; Serial Nos. 566,505–6, published Nov. 22, 1949. Class 12.

Dubow, J. A., Manufacturing Co., Inc., Chicago, Ill. Baseball gloves. 521,636, Feb. 28; Serial No. 568,939, published Nov. 15, 1949. Class 22.

Duchess Doll Corporation: *See*—
National Costume Doll Co.

Dudley, Frank E., trading as Franklin Manufacturing Company, Philadelphia, Pa. Electronic control apparatus. 521,470, Feb. 28; Serial No. 548,642, published Dec. 6, 1949. Class 21.

Dumore Company, The, Racine, Wis. Electric floor polishers. 521,494, Feb. 28; Serial No. 541,655, published Nov. 15, 1949. Class 21.

Duplex Incorporated, Los Angeles, Calif. Spring sash balances. 521,478, Feb. 28; Serial No. 550,397, published Nov. 22, 1949. Class 13.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Adhesive synthetic elastomer compound cements. 521,586, Feb. 28; Serial No. 565,248, published Nov. 15, 1949. Class 5.

Durkee-Atwood Company, Minneapolis, Minn. Sponge rubber strip adhesively coated. 521,451, Feb. 28; Serial No. 541,519, published Oct. 25, 1949. Class 50.

Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. 436,788, Feb. 17, 1948. Amended. O. G. Feb. 28. Class 1.

Eaton Fruit Company, Inc., Phoenix, Ariz. Fresh vegetables and fresh melons. 521,481, Feb. 28; Serial No. 550,903, published Nov. 22, 1949. Class 46.

Eau de Cologne- & Parfümerie-Fabrik, Glockengasse No. 4711 Gegenuber der pferdepost von Ferd. Mülhens: *See*—
Mülhens, Peter.

Elliotte, Marion A., Grafton, N. Y. Vacuum leaf collectors and loaders. 521,682, Feb. 28; Serial No. 521,866. Class 23.

Elmore Silver Company, Inc., The, Meriden, Conn. Flatware and hollow ware. 512,022, July 5, 1949. Canceled Jan. 20, 1950. O. G. Feb. 28. Class 28.

Endo Products Inc.: *See*—
Intravenous Products Co. of America, Inc.

Engineering Research Associates, Inc., St. Paul, Minn., and Arlington, Va. Engineering and technical reports, and instruction manuels. 521,628, Feb. 28; Serial No. 568,049, published Nov. 8, 1949. Class 38.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. 521,459, Feb. 28; Serial No. 544,637, published Oct. 18, 1949. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 521,593, Feb. 28; Serial No. 565,695, published Nov. 15, 1949. Class 22.

Enterprise Manufacturing Co., The, Akron, Ohio. Fishing reels. 521,594, Feb. 28; Serial No. 565,697, published Nov. 15, 1949. Class 22.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 521,622, Feb. 28; Serial No. 567,766, published Nov. 8, 1949. Class 22.

Fact Corporation, The, Meadville, Pa. Orchard hoes. 521,519, Feb. 28; Serial No. 557,032, published Oct. 4, 1949. Class 23.

Faries Manufacturing Company, Decatur, assignor to Faries Manufacturing Company, Chicago, Ill. Metal cuspidors. 521,388, Feb. 28; Serial No. 505,743, published Nov. 8, 1949. Class 13.

Fearing, David, Company, South St. Paul, Minn. Livestock brand tags. 521,412, Feb. 28; Serial No. 532,284, published Oct. 25, 1949. Class 50.

Ferro Enamel Corporation, Cleveland, Ohio. Finely divided fused admixture of feldspar and phosphate rock. 521,526, Feb. 28; Serial No. 557,837, published July 12, 1949. Class 10.

Fields, Edward, Company, Inc., New York, N. Y. Rugs and carpets. 521,703, Feb. 28; Serial No. 566,698.

Fields, Edward, Co. Inc., New York, N. Y. Rugs and carpets. 521,704, Feb. 28; Serial No. 566,699. Class 42.

Filmite Oil Corporation, Butler, Wis. Lubricating oils, lubricating greases, film strength oiliness, additive oils, etc. 443,790, Feb. 28; Serial No. 518,593, published Nov. 8, 1949. Class 15.

Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis., by United States Rubber Company, New York, N. Y. Pneumatic-tire casings. 264,829, Dec. 10, 1929. Republished Feb. 28. Class 35.

Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis., by United States Rubber Company, New York, N. Y. Pneumatic tires and tubes, tire flaps, fan belts, etc. 264,951, Dec. 10, 1929. Republished Feb. 28. Class 35.

Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis., by United States Rubber Company, New York, N. Y. Rubber cements and rubber gums. 265,298, Dec. 24, 1929. Republished Feb. 28. Class 5.

Florida Chemical Industries, Inc., Ocala, Fla. Liquid spray or dip concentrate preparation. 521,657, Feb. 28; Serial No. 570,845, published Nov. 15, 1949. Class 6.

Ford, J. B., Company, The, Ford, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Dry, soluble, alkali powders. 77,375, re-renewed Apr. 5, 1950. O. G. Feb. 28. Class 52.

Forest City Publishing Company, The: *See*—
Cleveland Company, The.

Frank, Charles, doing business as Woodbridge Monument Works, Woodbridge, N. J. Granite monuments and memorials. 521,644, Feb. 28; Serial No. 569,369, published Oct. 25, 1949. Class 50.

Franklin Manufacturing Company: *See*—
Dudley, Frank E.

Frederick & Nelson: *See*—
Marshall Field & Company.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils and greases. 521,659, Feb. 28; Serial No. 570,897, published Nov. 22, 1949. Class 15.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils and greases. 521,660, Feb. 28; Serial No. 570,930, published Nov. 22, 1949. Class 15.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils. 521,661, Feb. 28; Serial No. 571,019, published Nov. 22, 1949. Class 15.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils and greases. 521,662, Feb. 28; Serial No. 571,021, published Nov. 22, 1949. Class 15.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils. 521,663, Feb. 28; Serial No. 571,022, published Nov. 22, 1949. Class 15.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils and greases. 521,665, Feb. 28; Serial No. 571,130, published Nov. 22, 1949. Class 15.

Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils. 521,666, Feb. 28; Serial No. 571,131, published Nov. 22, 1949. Class 15.

Fulton Bag & Cotton Mills, Atlanta, Ga. Tarpaulins and canvas covers. 443,796, Feb. 28; Serial No. 523,258, published Oct. 18, 1949. Class 50.

Fulton Bag & Cotton Mills, Atlanta, Ga. Tarpaulins and canvas covers. 443,797, Feb. 28; Serial No. 523,259, published Oct. 25, 1949. Class 50.

Garin Company, The: *See*—
Garin, H. P., Co.

Garin, H. P., Co., San Francisco, to The Garin Company, Salinas, Calif. Fresh deciduous fruits, fresh cantaloupes, fresh vegetables. 268,172, renewed Mar. 11, 1950. O. G. Feb. 28. Class 46.

Garner & Co., New York, assignor to Terminal Metal Products Corporation, Brooklyn, N. Y. Drip pans for flush tanks. 521,599, Feb. 28; Serial No. 566,435, published Nov. 22, 1949. Class 13.

Geigy Company, Inc., New York, N. Y. Barbiturate—sedative and hypnotic. 443,793, Feb. 28; Serial No. 519,810, published Dec. 23, 1947. Class 18.

General Fisheries Corporation, San Pedro, by Terminal Island Sea Foods, Ltd., Terminal Island, Calif. Canned fish. 255,525, Apr. 23, 1929. Republished Feb. 28, 1950. Class 46.

Geometric Tool Company, The, New Haven, Conn., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Taps, dies, die-heads, etc. 521,517, Feb. 28; Serial No. 556,957, published Oct. 4, 1949. Class 23.

Gerber Legendary Blades, Portland, Oreg. Carving knives, carving forks, boning knives, etc. 521,425, Feb. 28; Serial No. 534,621, published Oct. 11, 1949. Class 23.

Glitter & Co., Inc., New York, N. Y. Fur pelts. 521,531, Feb. 28; Serial No. 559,020, published Nov. 15, 1949. Class 1.

Gits Molding Corporation, Chicago, Ill. Pocket knives, razor knives, and spoons. 521,399, Feb. 28; Serial No. 522,629, published Oct. 18, 1949. Class 23.

Given Manufacturing Company, Los Angeles, Calif. Electric waste disposal units. 521,488, Feb. 28; Serial No. 551,968, published Nov. 15, 1949. Class 21.

Golden State Enterprises: *See*—
Scheines, Arthur.

Goodall-Sanford, Inc.: *See*—
Sanford Mills.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather in the piece. 521,405, Feb. 28; Serial No. 529,041, published Nov. 22, 1949. Class 1.

Greenfield Tap and Die Corporation, assignee: *See*—
Geometric Tool Company, The.

Grove Regulator Company, Oakland, Calif. Fluid flow controlling devices. 521,384, Feb. 28; Serial No. 495,471, published Oct. 25, 1949. Class 13.

Grove, William R., Laurel, Fla. Synthetic rubber sheeting. 521,554, Feb. 28; Serial No. 562,260, published Oct. 18, 1949. Class 50.

Guest, Keen & Nettlefolds Limited: *See*—
Nettlefolds, Limited.

Guttman, Joseph, & Bros., New York, N. Y. Ladies' and misses' knitted dresses, blouses, and sweaters. 521,692, Feb. 28; Serial No. 547,114. Class 39.

Haddad, Amram, New York, N. Y. Composition and plastic dolls. 521,415, Feb. 28; Serial No. 532,824, published Oct. 25, 1949. Class 22.

Halsam Products Company, Chicago, Ill. Toy blocks. 521,414, Feb. 28; Serial No. 532,702, published Nov. 8, 1949. Class 22.

Handy & Harman, Inc.: *See*—
Dee, Thomas J., & Co.

Hardy, Benjamin J., New York, N. Y. Composition in the nature of a paste for repairing and resurfacing floors. 409,632, Oct. 10, 1944. Canceled Jan. 20, 1950. O. G. Feb. 28. Class 12.

Harshaw Chemical Company, The, Cleveland, Ohio. Chemical compounds. 521,648, Feb. 28; Serial No. 569,970, published Nov. 22, 1949. Class 6.

Hart, Schaffner & Marx, Chicago, Ill. Blank forms. 394,898, May 5, 1942. Canceled Jan. 26, 1950. O. G. Feb. 28. Class 37.

Hayes-Sammons Company, Mission, Tex. Fertilizers and soil sulphur. 521,569, Feb. 28; Serial No. 563,853, published Oct. 25, 1949. Class 10.

Helbig, L. F., Co.: *See*—
Helbig, Leonard F., Jr.

Helbig, Leonard F., Jr., doing business as L. F. Helbig Co., Philadelphia, Pa. Fishing rods and leader line. 521,537, Feb. 28; Serial No. 560,264, published Oct. 25, 1949. Class 22.

Helmreich, Edwin, West Lafayette, Ohio. Outboard motor carrying and storage case. 521,705, Feb. 28; Serial No. 566,934. Class 23.

Hendley, C. W., & Company, Inc., Baltimore, Md. Coal and coke. 521,528, Feb. 28; Serial No. 558,300, published Nov. 15, 1949. Class 1.

Herring, Mark, doing business as Ace Bingo and Equipment, Denver, Colo. Bingo board units. 521,587, Feb. 28; Serial No. 565,489, published Nov. 15, 1949. Class 22.

Heyden Chemical Corporation, New York, N. Y. Periodical. 521,535, Feb. 28; Serial No. 559,815, published Nov. 22, 1949. Class 38.

Hill, E. W., doing business as The Webb Company, Evanston, Ill. Scalp oil. 521,568, Feb. 28; Serial No. 563,784, published Nov. 15, 1949. Class 51.

Hogue, Geo., Mercantile Co., Kansas City, Mo. Peanut butter and salted peanuts. 521,698, Feb. 28; Serial No. 554,896. Class 46.

Hollingsworth, C. C., Detroit, Mich. Educational construction toys. 521,649, Feb. 28; Serial No. 569,973, published Nov. 15, 1949. Class 22.

Hough Shade Corporation, Janesville, Wis. Woodlink floor mats. 521,608, Feb. 28; Serial No. 567,023, published Oct. 25, 1949. Class 50.

Household Specialties, Incorporated, Cincinnati, Ohio. Ironing boards and ironing board covers. 521,573, Feb. 28; Serial No. 564,307, published Nov. 8, 1949. Class 24.

Hoyen, Campbell J., Portland, Oreg. Oven. 521,524, Feb. 28; Serial No. 557,752, published Nov. 15, 1949. Class 34.

Hudson Wire Company, Ossining, N. Y. Electrical apparatus. 521,543, Feb. 28; Serial No. 560,890, published Nov. 22, 1949. Class 21.

Hueller, H. J., Manufacturing Company, Inc., Brooklyn, N. Y. Oil burners, burner-boiler units and parts therefor. 521,390, Feb. 28; Serial No. 512,837, published Nov. 15, 1949. Class 34.

IceCrafter, Inc., Blue Island, Ill. Machines for carbonating and/or oxygenating beverages. 521,511, Feb. 28; Serial No. 556,098, published Oct. 18, 1949. Class 23.

Inland Rubber Corporation, Chicago, Ill. Pressure blocks, molds, vulcanizers, etc. 521,410, Feb. 28; Serial No. 531,605, published Nov. 8, 1949. Class 23.

Inland Wire Products Company, Chicago, Ill. Wire stitching machine. 521,512, Feb. 28; Serial No. 556,201, published Nov. 8, 1949. Class 23.

Inman, May L., Galesburg, Mich. Salad dressing. 521,701, Feb. 28; Serial No. 561,241. Class 46.

Interstate Department Stores, Inc., by Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Bed sheets, pillow cases, sheetings and muslins in the piece. 268,465, Mar. 18, 1930. Republished Feb. 28. Class 42.

Interstate Sales Company, Waco, Tex. Perfumed sachet cream. 521,570, Feb. 28; Serial No. 563,930, published Nov. 22, 1949. Class 51.

Intravenous Products Co. of America, Inc., New York, to Endo Products Inc., Richmond Hill, N. Y. General tonic builder. 266,369, renewed Jan. 14, 1950. O. G. Feb. 28. Class 18.

Iowa Soap Company, Burlington, Iowa. Soap, soap powders, and washing powders. 264,326, Nov. 26, 1929. Republished Feb. 28. Class 52.

Jari Products, Inc., Minneapolis, Minn. Wrenches. 521,401, Feb. 28; Serial No. 524,469, published Oct. 18, 1949. Class 23.

Jeddo-Highland Coal Company, Jeddo, Pa. Coal. 521,514, Feb. 28; Serial No. 556,343, published Nov. 15, 1949. Class 1.

Jeffrey Manufacturing Company, The, to The Jeffrey Manufacturing Company, Columbus, Ohio. Rubber belting. 33,756, re-renewed Nov. 14, 1949. O. G. Feb. 28. Class 35.

Jensen, Georg, Inc., New York, N. Y. Perfume, toilet water and lipsticks. 521,386, Feb. 28; Serial No. 505,109, published Nov. 15, 1949. Class 51.

Jewettville Clay Products Company, Inc., Jewettville, to John H. Black Company, Buffalo, N. Y. Brick. 192,316, renewed Dec. 2, 1944. O. G. Feb. 28. Class 12.

Johnson Corporation, The, Three Rivers, Mich. Return traps. 521,606, Feb. 28; Serial No. 566,838, published Oct. 25, 1949. Class 13.

Johnstone, Myron H., Manistee, Mich. Boot jacks and combined boot jacks and mud scrapers. 521,607, Feb. 28; Serial No. 566,883, published Oct. 25, 1949. Class 50.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Metal fencing. 521,404, Feb. 28; Serial No. 528,485, published Oct. 25, 1949. Class 13.

Jones, S. M., & Co.: *See*—
Jones, Samuel M.

Jones, Samuel M., doing business under the name and style of S. M. Jones & Co., New Bern, N. C. Fresh vegetables and watermelons. 521,413, Feb. 28; Serial No. 532,596, published June 21, 1949. Class 46.

Judy Publishing Company, Chicago, Ill. Monthly publication. 521,641, Feb. 28; Serial No. 569,273, published Nov. 22, 1949. Class 38.

Kalo Inoculant Company, Quincy, Ill. Bacterial inoculants. 521,442, Feb. 28; Serial No. 540,826, published July 5, 1949. Class 10.

Kastner, Donald E., Jackson Heights, N. Y. Juices. 338,791, Sept. 15, 1938. Canceled Jan. 20, 1950. O. G. Feb. 28. Class 46.

Kayaness Dress Company, Inc., New York, N. Y. Children's dresses. 521,700, Feb. 28; Serial No. 559,712. Class 39.

Kent-Moore Organization, by Kent-Moore Organization, Inc., Detroit, Mich. Sets of motor-car-repair tools. 263,496, Nov. 5, 1929. Republished Feb. 28. Class 23.

Kent-Moore Organization, Inc.: *See*—
Kent-Moore Organization.

Kerr Glass Manufacturing Corporation, Sand Springs, Okla. Jar caps and lids. 521,418, Feb. 28; Serial No. 533,170, published Oct. 25, 1949. Class 50.

King, Donald G., Burbank, Calif. Amplifiers and acoustically designed cabinets. 443,785, Feb. 28; Serial No. 510,786, published Nov. 29, 1949. Class 21.

Kohnstamm, H., & Co., Inc., New York, N. Y. Starch. 521,591, Feb. 28; Serial No. 565,559, published Nov. 15, 1949. Class 6.

Koolid Company: *See*—
Sturdevant, Kathryn C.

Lady Olivia, Inc., Boston, Mass. Hair waving lotion. 521,600, Feb. 28; Serial No. 566,465, published Nov. 15, 1949. Class 51.

Lake State Products, Inc.: *See*—
Cinderella Washing Machine Company, The.

Lam, James C., Chicago, Ill. Transplanting pots for transplanting plants. 443,795, Feb. 28; Serial No. 522,425, published Nov. 22, 1949. Class 13.

Lanvin-Parfums, Inc., New York, N. Y. Perfumes and toilet waters. 521,642, Feb. 28; Serial No. 569,276, published Nov. 15, 1949. Class 51.

Lathrop-Paulson Company, The, Chicago, Ill. Can washing machines. 521,419, Feb. 28; Serial No. 533,178, published Nov. 1, 1949. Class 23.

Lawley, Charles F., doing business as Chem-L-Co Industries, Wyoming, Pa. Fuel. 521,466, Feb. 28; Serial No. 547,465, published Nov. 15, 1949. Class 15.

Lawyer, C. Ray, doing business as C. Ray Lawyer Companies, Berkeley, Calif. Toy guns, holsters, spurs, etc. 521,562, Feb. 28; Serial No. 563,423, published Oct. 25, 1949. Class 22.

Lawyer, C. Ray, Companies: *See*—
Lawyer, C. Ray.

Lee, Harry C., & Co., Inc., New York, N. Y. Golf clubs and parts thereof, golf balls, golf tees, etc. 521,652, Feb. 28; Serial No. 570,265, published Nov. 15, 1949. Class 22.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 521,602, Feb. 28; Serial No. 566,624, published Nov. 15, 1949. Class 18.

Lilly, Eli, and Company, Indianapolis, Ind. Ointment preparation. 521,658, Feb. 28; Serial No. 570,859, published Nov. 15, 1949. Class 18.

Lincoln Engineering Company, St. Louis, Mo. Portable apparatus for receiving fluid. 521,387, Feb. 28; Serial No. 505,504, published June 21, 1949. Class 23.

Lino Paste Co., Inc., Chicago, Ill. Adhesives. 443,778, Feb. 28; Serial No. 496,087, published Nov. 22, 1949. Class 12.

Little Shirt Co., The, Belton, Mo. Infants' and children's outer shirts. 521,683, Feb. 28; Serial No. 522,900. Class 39.

Locker Management, Inc., St. Louis, Mo. Publication. 521,639, Feb. 28; Serial No. 569,163, published Nov. 22, 1949. Class 38.

Lonergan Manufacturing Company, Albion, Mich. Space heaters. 521,416, Feb. 28; Serial No. 532,837, published Oct. 4, 1949. Class 34.

Luker, Jackson M., Urbana, Ill. Tubular cake pans and cooking utensils. 521,391, Feb. 28; Serial No. 513,747, published Nov. 15, 1949. Class 13.

Lyon Metal Products, Incorporated, Aurora, Ill. Door handles. 521,432, Feb. 28; Serial No. 538,306, published Nov. 15, 1949. Class 13.

Lund, C. A., Company: *See*—
Lund, Christian A.

Lund, Christian A., doing business as C. A. Lund Company, Hastings, Minn., to Christian A. Lund, doing business as C. A. Lund Company, St. Paul, Minn. Skis, toboggans, snowshoes, etc. 264,032, renewed Nov. 19, 1949. O. G. Feb. 28. Class 22.

M & M Limited, Newark, N. J. Candy. 418,332, Dec. 18, 1945. Amended. O. G. Feb. 28. Class 46.

Macklanburg-Duncan Company, Oklahoma City, Okla. Bronze house numbers. 260,673, Aug. 27, 1929. Republished Feb. 28. Class 50.

Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets and radio phonograph combination sets. 521,430, Feb. 28; Serial No. 537,713, published Nov. 29, 1949. Class 21.

Mahoney-Ryan Aircraft Corporation, Anglum, Mo., Airplanes and structural parts thereof. 262,061, Sept. 24, 1929. Canceled Jan. 20, 1950. O. G. Feb. 28. Class 19.

Marathon Co.: *See*—
Attleboro Chain Company.

Marshall Field & Company, also doing business as Frederick & Nelson, Chicago, Ill., and Seattle, Wash. Aluminum culinary utensils. 521,618, Feb. 28; Serial No. 567,704, published Oct. 25, 1949. Class 13.

Marshall Field & Company, Chicago, Ill. Glassware for table use. 521,619, Feb. 28; Serial No. 567,706, published Oct. 18, 1949. Class 33.

Marshall-Wells Company, Duluth, Minn. Fishing lines. 521,631, Feb. 28; Serial No. 568,321, published Nov. 15, 1949. Class 22.

Marvel Marking Machine Co.: *See*—
Watson Burr & Associates, Inc.

Mathieson Chemical Corporation: *See*—
Southern Acid & Sulphur Company, Incorporated.

Maze, W. H., Company, Peru, Ill. Nails, glazing points and dowel pins. 521,421, Feb. 28; Serial No. 533,334, published Nov. 15, 1949. Class 13.

McAleer Manufacturing Company: *See*—
Bronson Reel Company.

McBreen Shoe Co., Inc., Chicago, Ill. Shoes. 521,680, Feb. 28; Serial No. 519,023. Class 39.

McClung, C. M., & Co., Knoxville, Tenn. Coal, wood, gas, gasolene and oil stoves, coal, wood and gas ranges, etc. 521,476, Feb. 28; Serial No. 530,162, published Nov. 15, 1949. Class 34.

McDougall-Butler Co., Inc., Buffalo, N. Y. Dry, ready-mixed, and paste paints, varnishes, paint enamels, etc. 267,663, renewed Feb. 25, 1950. O. G. Feb. 28. Class 16.

McQuay-Norris Manufacturing Co., St. Louis, Mo. Heating unit. 521,515, Feb. 28; Serial No. 556,644, published Nov. 15, 1949. Class 34.

Melander, Raymond C., doing business as Tuffilite Plastics, Ballston Spa, N. Y. Bases for floral designs. 521,630, Feb. 28; Serial No. 568,266, published Oct. 25, 1949. Class 50.

Mercury Advertising Agency, Inc., Los Angeles, Calif. Series of cartoons. 521,626, Feb. 28; Serial No. 567,985, published Nov. 8, 1949. Class 38.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Liquid roof paints. 521,673, Feb. 28; Serial No. 539,890, published Jan. 25, 1949. Class 16.

Merrell, Wm. S., Company, The, to The Wm. S. Merrell Company, Cincinnati, Ohio. Cathartic preparation. 265,310, renewed Dec. 24, 1949. O. G. Feb. 28. Class 18.

Merrell, Wm. S., Company, The, to The Wm. S. Merrell Company, Cincinnati, Ohio. Preparation for regulating the kidneys. 265,311, renewed Dec. 24, 1949. O. G. Feb. 28. Class 18.

Middle West Export Company: *See*—
Ariato Power Tools, Inc.

Midwest Mfg. Company, Galesburg, Ill. Steel kitchen cabinets, steel base cabinets, steel wall cabinets, etc. 443,779, Feb. 28; Serial No. 498,438, published Nov. 25, 1947. Class 32.

Minden Cotton Oil & Ice Company, Ltd., Minden, La. Fertilizer. 521,667, Feb. 28; Serial No. 573,135, published Oct. 25, 1949. Class 10.

Mitchell Manufacturing Company, Chicago, Ill. Fluorescent lighting fixtures. 521,672, Feb. 28; Serial No. 576,766, published Nov. 8, 1949. Class 21.

Modell, Henry, & Co., Inc., New York, N. Y. Children's sleds, scooters, velocipedes. 521,544, Feb. 28; Serial No. 561,132, published Oct. 25, 1949. Class 22.

Molt, Ed, Company: *See*—
Molt, Edward N.

Molt, Edward N., doing business as Ed Molt Company, Seattle, Wash. Short wave therapy machines and electrical surgical short wave tissue cutters. 443,784, Feb. 28; Serial No. 510,714, published Nov. 15, 1949. Class 44.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 521,603, Feb. 28; Serial No. 566,634, published Nov. 1, 1949. Class 6.

Monticello Drug Company, Jacksonville, Fla. Liquid preparation to be used in the treatment of toothache, insect bites, etc. 521,552, Feb. 28; Serial No. 562,081, published Nov. 1, 1949. Class 18.

Mueller, C. F., Company: *See*—
Mueller, C. F., Co.

Mueller, C. F., Co., Jersey City, N. J., now by merger C. F. Mueller Company. Alimentary pastes. 521,423, Feb. 28; Serial No. 534,317, published Nov. 22, 1949. Class 46.

Mülhens, Peter, doing business as Eau de Cologne- & Parfümerie-Fabrik, Glockengasse No. 4711 Gegenüber der pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him. Cosmetic preparations, beautifying preparations, etc. 265,197, renewed Dec. 17, 1949. O. G. Feb. 28. Class 51.

Mus-Ed Record Co., San Francisco, Calif. Mechanically grooved phonograph records. 521,446, Feb. 28; Serial No. 541,320, published Nov. 30, 1948. Class 36.

Mustad, O., & Son, Oslo, Norway. Fishhooks. 521,582, Feb. 28; Serial No. 564,781, published Nov. 15, 1949. Class 22.

N. V. Amsterdamsche Chininefabriek, Amsterdam, Netherlands. Medicine. 521,502, Feb. 28; Serial No. 554,689, published Oct. 25, 1949. Class 18.

Naco Fertilizer Company: *See*—
Nitrate Agencies Company.

National Aluminate Corporation, Chicago, Ill., to Consolidated Chemical Industries Inc., San Francisco, Calif. Water-treating, water softening, and water clarifying compounds. 259,581, renewed Aug. 6, 1949. O. G. Feb. 28. Class 6.

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Sugar wafers. 75,811, re-renewed Nov. 16, 1949. O. G. Feb. 28. Class 46.

National Carbon Company, Inc., New York, N. Y., now by merger Union Carbide and Carbon Corporation. Pastes and cements. 443,800, Feb. 28; Serial No. 525,921, published Nov. 22, 1949. Class 12.

National Costume Doll Co., New York, assignor to Duchess Doll Corporation, Woodside, N. Y. Dolls. 443,789, Feb. 28; Serial No. 518,476, published Nov. 15, 1949. Class 22.

National Cylinder Gas Company, Chicago, Ill. Electric arc welding machines, welding units and parts thereof, carbon electrodes, etc. 521,482, Feb. 28; Serial No. 551,034, published Nov. 8, 1949. Class 21.

National Cylinder Gas Company, Chicago, Ill. Electric arc welding machines, welding units and parts thereof, carbon electrodes, etc. 521,492, Feb. 28; Serial No. 552,479, published Nov. 8, 1949. Class 21.

National Hygienic Products Corp., Akron, Ohio. Toy balloons. 521,576, Feb. 28; Serial No. 564,458, published Oct. 25, 1949. Class 22.

National Sewing Machine Company, Belvidere, Ill. Sewing machines and attachments. 521,443, Feb. 28; Serial No. 540,855, published Nov. 8, 1949. Class 23.

National Vinegar Company, St. Louis, Mo. White distilled vinegar, corn sugar vinegar, compound sugar vinegar, etc. 521,447, Feb. 28; Serial No. 541,325, published Nov. 22, 1949. Class 46.

Naugatuck Chemical Company, The, by United States Rubber Company, New York, N. Y. Latex compositions. 263,897, Nov. 12, 1929. Republished Feb. 28. Class 1.

Naugatuck Chemical Company, The, by United States Rubber Company, New York, N. Y. Adhesives. 264,339, Nov. 26, 1929. Republished Feb. 28. Class 5.

Nelson, Katherine D., Mankato, Minn. Dairy products order board. 521,534, Feb. 28; Serial No. 539,314, published Oct. 25, 1949. Class 50.

Nettlefolds, Limited, Birmingham, and London, England, to Guest, Keen & Nettlefolds Limited, Smethwick, England. Screws, chisel-pointed nails, iron rivets, etc. 33,793, re-renewed Nov. 21, 1949. O. G. Feb. 28. Class 13.

Newberg Vineyards, The, Visalia, Calif. Fresh grapes. 521,393, Feb. 28; Serial No. 518,733, published Nov. 22, 1949. Class 46.

New Mexico Asphalt & Refining Company, Artesia, N. Mex. Refined petroleum products. 521,596, Feb. 28; Serial No. 566,094, published Nov. 22, 1949. Class 15.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Hose composed of rubber or rubber and fabric. 75,707, Nov. 2, 1909. Republished Feb. 28. Class 35.

New York Gear Works, Richmond Hill, N. Y. Commercial spur, bevel, worm, spiral and helical gears. 521,694, Feb. 28; Serial No. 549,083. Class 23.

Nichols Wire and Aluminum Company, Davenport, Iowa. Electrical conducting wire, and for tie wire. 521,609, Feb. 28; Serial No. 567,030, published Nov. 29, 1949. Class 21.

Nineteen-Hundred Corporation, St. Joseph, Mich. Domestic laundry appliances. 521,605, Feb. 28; Serial No. 566,714, published Nov. 22, 1949. Class 24.

Nitrate Agencies Company, to Naco Fertilizer Company, New York, N. Y. Preparation for use as an insect exterminator. 252,572, renewed Feb. 12, 1949. O. G. Feb. 28. Class 6.

No-Kem Company, The: *See*—
Bremerman, Eugene S.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. 521,696, Feb. 28; Serial No. 552,691. Class 38.

Norman, Merle, Cosmetics, Inc., Santa Monica, Calif. Cologne, face cream, face powder, etc. 521,472, Feb. 28; Serial No. 549,164, published Nov. 15, 1949. Class 51.

Norris Inc., Atlanta, Ga. Candy. 263,719, renewed Nov. 12, 1949. O. G. Feb. 28. Class 46.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Projection boxes. 521,523, Feb. 28; Serial No. 557,379, published Nov. 8, 1949. Class 21.

Norton Laboratories Inc., Lockport, N. Y. Handles. 521,578, Feb. 28; Serial No. 564,580, published Nov. 1, 1949. Class 13.

Notogravure, Inc., New York, N. Y. Sheets of printed letters. 521,530, Feb. 28; Serial No. 558,805, published Nov. 22, 1949. Class 38.

Nu-Dent Porcelain Studio, Inc., New York, N. Y. Dental products. 443,787, Feb. 28; Serial No. 517,196, published Nov. 15, 1949. Class 44.

OPW Corporation, Cincinnati, Ohio. Valve control shut-off nozzles. 521,409, Feb. 28; Serial No. 530,555, published Nov. 22, 1949. Class 13.

Oakland Engineering Company, Inc., Oakland, Calif. Tricycles and velocipedes and pedal cars, etc. 443,786, Feb. 28; Serial No. 516,498, published Oct. 25, 1949. Class 22.

Olin Industries, Inc., New Haven, Conn. Dry cell batteries and handlamps. 521,500, Feb. 28; Serial No. 553,638, published Dec. 6, 1949. Class 21.

Onyx Oil & Chemical Company, Jersey City, N. J. Sizing agent. 521,588, Feb. 28; Serial No. 565,494, published Nov. 22, 1949. Class 6.

Onyx Oil & Chemical Company, Jersey City, N. J. Wetting agent and a germicide. 521,589, Feb. 28; Serial No. 565,495, published Nov. 15, 1949. Class 18.

Packaging Catalog Corporation: *See*—
Breskin & Charlton Publishing Corporation.

Palazzolo, Andrew A: *See*—
Palazzolo, Joseph.

Palazzolo, Joseph, to A. A. Palazzolo, New York, N. Y. Perfumery. 75,771, re-renewed Nov. 16, 1949. O. G. Feb. 28. Class 51.

Pan American Oil Burner Corporation, assignor to Pan American Oil Corporation, Jamaica, N. Y. Oil burners and parts thereof. 521,467, Feb. 28; Serial No. 547,655, published Mar. 8, 1949. Class 34.

Pan American Oil Corporation: *See*—
Pan American Oil Burner Corporation.

Panef Manufacturing Co., Inc., Milwaukee, Wis. Powdered graphite lubricant. 521,574, Feb. 28; Serial No. 564,399, published Nov. 15, 1949. Class 15.

Parents' Institute, Inc., The, New York, N. Y. Magazine. 521,389, Feb. 28; Serial No. 511,897, published Nov. 22, 1949. Class 38.

Patent Scaffolding Co., Inc., The, Long Island City, N. Y. Scaffolds. 521,510, Feb. 28; Serial No. 555,899, published Oct. 4, 1949. Class 50.

Patten, Van, Pharmaceutical Co., Chicago, Ill. Medicinal preparation. 348,259, July 20, 1937. Amended. O. G. Feb. 28. Class 6.

Patterson, E. H., Company: *See*—
Carson Pirie Scott & Co.

Payot, Dr. N. G., du Laboratoires, Paris, France. Perfume, skin lotions, skin creams, etc. 443,780, Feb. 28; Serial No. 506,174, published Nov. 22, 1949. Class 51.

Peerless Rubber Manufacturing Company, by United States Rubber Company, New York, N. Y. Rubber hose. 76,258, Dec. 28, 1909. Republished Feb. 28. Class 35.

Pennsoil Company, The, Los Angeles, Calif. Fuel oils. 264,408, Nov. 26, 1929. Republished Feb. 28. Class 15.

Percomatic: *See*—
Shell, Paul V., Co., The.

Perfumeria Gal, S. A., Madrid, Spain. Toilet and shaving soaps, and liquid and powdered shampoo preparations. 521,525, Feb. 28; Serial No. 557,767, published Oct. 25, 1949. Class 51.

Permanente Metals Corporation, The, Oakland, Calif. Hydrated lime, hydrated dolomite, and phosphatic fertilizers. 521,484, Feb. 28; Serial No. 551,583, published Oct. 4, 1949. Class 10.

Petty, Byron T., doing business as Petty Manufacturing Company, Effingham, Ill. Garment hangers. 521,550, Feb. 28; Serial No. 561,765, published Oct. 25, 1949. Class 50.

Petty Manufacturing Company: *See*—
Petty, Byron T.

Pfister Chemical Works, Inc., Ridgefield, N. J. Chemicals. 521,664, Feb. 28; Serial No. 571,043, published Nov. 22, 1949. Class 6.

Phillips Petroleum Company, Bartlesville, Okla. Gasolines. 264,419, renewed Nov. 26, 1949. O. G. Feb. 28. Class 15.

Photo-Matic Company, The, Chicago, Ill. Commercial photographs. 521,595, Feb. 28; Serial No. 565,810, published Nov. 22, 1949. Class 38.

Pinabord Manufacturing Company: *See*—
Bartsch, Ernst A.

Pine-O-Pine Company of Texas, Houston, Tex. Cleaning solution or compound. 521,611, Feb. 28; Serial No. 567,151, published Nov. 15, 1949. Class 52.

Pioneer Battery Company: *See*—
American Battery Mfg. Company.

Piqua Hosiery Co., The, Piqua, Ohio. Bathing suits. 261,749, Sept. 24, 1949. Corrected. O. G. Feb. 28. Class 39.

Plexo Preparations, Inc., New York, N. Y. Cold creams, cleansing creams, refreshing creams, etc. 267,974, renewed Mar. 4, 1950. O. G. Feb. 28. Class 51.

Plymouth Wholesale Dry Goods Corporation: *See*—
Interstate Department Stores, Inc.

Por Larranaga, Fabrica De Tabacos, S. A.: *See*—
Compania Tabacalera Nacional, S. A.

Porte, Albert, to Societe A Responsabilite Limitee Etablissements Valette "Valette & Cie," Saint-Ouen (Seine), France. 305,920, Aug. 29, 1933. New certificate. O. G. Feb. 28. Class 47.

Prefab Homes and Supplies, Inc., Baltimore, Md. Precision-fitting sections of wall, door, and window panels, etc. 521,571, Feb. 28; Serial No. 564,153, published Nov. 15, 1949. Class 12.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing detergent product. 521,420, Feb. 28; Serial No. 533,222, published Nov. 1, 1949. Class 4.

Psyko-Fun, Incorporated, Bridgeport, Conn. Game. 521,646, Feb. 28; Serial No. 569,568, published Nov. 15, 1949. Class 22.

Pure Oil Company, The, Chicago, Ill. Cutting oils. 521,402, Feb. 28; Serial No. 526,827, published Nov. 1, 1949. Class 15.

Pure Oil Company, The, Chicago, Ill. Flushing oil. 521,556, Feb. 28; Serial No. 562,805, published Nov. 15, 1949. Class 15.

Quaker Oats Company, The, Chicago, Ill. Furfural residue. 521,668, Feb. 28; Serial No. 575,430, published Oct. 25, 1949. Class 10.

Quest-Shon Mark Brassiere Co., Inc.: *See*—
Brooklyn Corset Company, Inc.

Railley Corporation, Cleveland, Ohio. Electrical apparatus. 521,497, Feb. 28; Serial No. 553,307, published Dec. 6, 1949. Class 21.

Ralston Purina Company, St. Louis, Mo. House-organ magazine. 521,495, Feb. 28; Serial No. 552,711, published Nov. 22, 1949. Class 38.

Ralston Purina Company, St. Louis, Mo. House-organ magazine. 521,498, Feb. 28; Serial No. 553,519, published Nov. 22, 1949. Class 38.

Randall Mills Corp., Paramount, Calif. Agricultural minerals. 521,546–7, Feb. 28; Serial Nos. 561,682–3, published Oct. 4, 1949. Class 10.

Raytheon Manufacturing Company, Newton, Mass. Amplitude-modulated radio transmitters, frequency-modulated radio transmitters, etc. 521,461, Feb. 28; Serial No. 545,768, published Nov. 15, 1949. Class 21.

Reed Roller Bit Company, Houston, Tex. Lubricant. 521,653, Feb. 28; Serial No. 570,434, published Nov. 22, 1949. Class 15.

Reich, John F., Kansas City, Mo. Christmas tree ornaments. 521,536, Feb. 28; Serial No. 559,861, published Oct. 25, 1949. Class 50.

Reliance Art Metal Company, The, Cincinnati, Ohio. Interior and exterior admission doors. 521,541, Feb. 28; Serial No. 560,840, published Nov. 15, 1949. Class 12.

Reliance Electric & Engineering Co., The, Cleveland, Ohio. Speed regulators comprising an electro-mechanical mechanism. 521,397, Feb. 28; Serial No. 520,471, published Nov. 8, 1949. Class 21.

Rexall Drug Company: *See*—
United Drug Company.

Rilling Company, Bridgeport, Conn. Permanent wave apparatus, curler jackets, exothermic heating elements for the same, etc. 521,529, Feb. 28; Serial No. 558,596, published Nov. 15, 1949. Class 44.

Robins, A. H., Company, Inc., Richmond, Va. Preparation indicated in the treatment of digestive disturbances. 521,669, Feb. 28; Serial No. 576,017, published Nov. 1, 1949. Class 18.

Rohana, Inc., Saginaw, Mich. Small toy cabins, boys' work benches, miniature furniture and building blocks. 521,597, Feb. 28; Serial No. 566,170, published Nov. 8, 1949. Class 22.

Rohm & Haas Company: *See*—
Röhm & Haas.

Röhm & Haas, Esslingen-on-the-Neckar, Germany, to Rohm & Haas Company, Philadelphia, Pa. Pickling and baiting substances used in tanning. 77,178, re-renewed Mar. 15, 1950. O. G. Feb. 28. Class 6.

Ross, Sydney, Co., The: *See*—
Ross, Sydney, Company, The.

Ross, Sydney, Company, The, New York, N. Y., and Maplewood, N. J., to The Sydney Ross Co., Newark, N. J. Alleviation and cure of neuralgia, rheumatism, headache, etc. 34,043, re-renewed Jan. 16, 1950. O. G. Feb. 28. Class 18.

Ross, Sydney, Co., The, Newark, N. J. Dentifrices, talcums, saccharine, etc. 269,454–5, renewed Apr. 8, 1950. O. G. Feb. 28. Class 51.

S. F. Appliances, Limited, Ridgefield, N. J. Electric cooking and heating stoves and ovens. 521,584, Feb. 28; Serial No. 564,970, published Nov. 15, 1949. Class 21.

Sanford Mills, to Goodall-Sanford, Inc., Sanford, Maine. Woolen cloaking fabric. 268,408, renewed Mar. 18, 1950. O. G. Feb. 28. Class 42.

Scheines, Arthur, doing business under the trade name of Golden State Enterprises, Los Angeles, Calif. Wet cell automotive storage batteries. 521,522, Feb. 28; Serial No. 557,312, published Dec. 6, 1949. Class 21.

Schering & Glatz, Inc., assignor to Schering & Glatz, Inc., to William R. Warner & Co., Inc., New York, N. Y. Suppositories. 269,752, renewed Apr. 15, 1950. O. G. Feb. 28. Class 18.

Schering & Glatz, Inc., assignor to Schering & Glatz, Inc., to William R. Warner & Co., Inc., New York, N. Y. Mono-sodium salt of diethyl-barbituric acid, sodium diethyl-barbiturate. 269,753, renewed Apr. 15, 1950. O. G. Feb. 28. Class 18.

Schering & Glatz, Inc., assignor to Schering & Glatz, Inc., to William R. Warner & Co., Inc., New York, N. Y. Hexamethylenetetramine or hexamethyleneamine (U. S. P.). 269,754, renewed Apr. 15, 1950. O. G. Feb. 28. Class 18.

Schneible, Claude B., Company, Detroit, Mich. Dust and fume collectors, absorbers, and atmospheric coolers, etc. 521,469, Feb. 28; Serial No. 548,531, published Nov. 15, 1949. Class 34.

Scooterpooper Sales, Inc., Columbia, S. C. Artificial fish bait or lure. 521,548, Feb. 28; Serial No. 561,690, published Oct. 25, 1949. Class 22.

Scott, Edwin A., New York, N. Y. Magazine. 521,706, Feb. 28; Serial No. 567,117. Class 38.

Seminole Flavor Company, Chattanooga, Tenn. Magazine. 521,615, Feb. 28; Serial No. 567,602, published Nov. 15, 1949. Class 38.

Shakespeare Company, Kalamazoo, Mich. Fishing lines. 521,634, Feb. 28; Serial No. 568,811, published Nov. 15, 1949. Class 22.

Sharp & Dohme, Incorporated, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Tooth paste and antiseptic lozenges. 269,664, renewed Apr. 15, 1950. O. G. Feb. 28. Class 51.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation having antihistaminic properties. 521,601, Feb. 28; Serial No. 566,550, published Nov. 15, 1949. Class 18.

Shell Chemical Corporation, New York, N. Y. Alcohols, ketones, ammonia, and soil fumigant. 521,533, Feb. 28; Serial No. 559,251, published Oct. 25, 1949. Class 6.

Shell, Paul V., Co., The, doing business as Percomatic, Kansas City, Mo. Cooking implements. 521,549, Feb. 28; Serial No. 561,691, published Nov. 22, 1949. Class 13.

Shimamoto, George, doing business as Shimamoto & Sons, Imperial, Calif. Fresh citrus fruits and fresh vegetables. 521,702, Feb. 28; Serial No. 561,642. Class 46.

Shimamoto & Sons: *See*—
Shimamoto, George.

Shoe Form Co. Inc., Auburn, N. Y. Fishhooks. 521,493, Feb. 28; Serial No. 552,500, published Nov. 15, 1949. Class 22.

Silver Booster Mfg. Co.: *See*—.
Wagerman, Julius.

Simmons, R. F., Co.: *See*—
Simmons, R. F., & Co.

Simmons, R. F., & Co., to R. F. Simmons Co., Attleboro, Mass. Chains. 34,608, re-renewed May 1, 1950. O. G. Feb. 28. Class 28.

Sinclair Refining Company, New York, N. Y. Petroleum lubricating grease. 521,565, Feb. 28; Serial No. 563,504, published Nov. 15, 1949. Class 15.

Smith, A. O., Corporation, Milwaukee, Wis. Gas water heaters. 521,489, Feb. 28; Serial No. 552,012, published Nov. 22, 1949. Class 34.

Smith, Herbert H., Bay Shore, N. Y. Rubber shoe heels. 521,688, Feb. 28; Serial No. 525,260. Class 39.

Smith & Nichols, Inc., New York, N. Y. Wax candles. 521,427, Feb. 28; Serial No. 537,089, published Nov. 15, 1949. Class 15.

Snell-Jones Tack Corporation, Brockton, Mass. Wire and cut tacks, nails, staples, etc. 521,457, Feb. 28; Serial No. 544,212, published Nov. 22, 1949. Class 13.

Societe a Responsabilite Limitee Etablissements Valette "Valette & Cie": *See*—
Porte, Albert.

Societe Anonyme, Bienaime, Paris, France. Perfumes, face creams, rouge, etc. 521,464, Feb. 28; Serial No. 547,158, published Oct. 25, 1949. Class 51.

Societe Anonyme, Bienaime, Paris, France. Perfumes, face creams, rouge, etc. 521,465, Feb. 28; Serial No. 547,162, published Oct. 25, 1949. Class 51.

Society of Chemical Industry in Basle, Basel, Switzerland. Chemicals, medicines, and pharmaceutical preparations. 87,015, June 18, 1912. Amended. O. G. Feb. 28. Class 6.

Solotone Corporation, Los Angeles, Calif. Coin operated loud speakers. 443,791, Feb. 28; Serial No. 519,227, published Dec. 14, 1948. Class 21.

Somay Products, Inc., Miami, Fla. Plastic roof coating, waterproofing compounds, and a caulking compound, etc. 521,572, Feb. 28; Serial No. 564,165, published Nov. 15, 1949. Class 12.

Sorgos Company, The, Havre de Grace, Md. Dental counterirritant. 521,521, Feb. 28; Serial No. 537,280, published Oct. 25, 1949. Class 18.

Sound Devices, Inc., Covington, Ky. Toy horns. 521,513, Feb. 28; Serial No. 556,294, published Nov. 15, 1949. Class 22.

South Bend Bait Company, South Bend, Ind. Fishing rods, fishing reels, fishing lines, etc. 521,516, Feb. 28; Serial No. 556,663, published Oct. 25, 1949. Class 22.

Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Fertilizers. 521,670, Feb. 28; Serial No. 576,144, published Oct. 25, 1949. Class 10.

Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Sulphur. 521,671, Feb. 28; Serial No. 576,168, published Oct. 25, 1949. Class 10.

Southern Furniture, Inc.: *See*—
Barber-Hall Printing Company.

Southern Soda Works Company, Nashville, Tenn. Bicarbonate of soda (baking soda). 521,650, Feb. 28; Serial No. 570,003, published Nov. 22, 1949. Class 6.

Southland Company, The, Yazoo City, Miss. Lighter fluid usable as a spot remover. 521,479, Feb. 28; Serial No. 550,626, published Nov. 22, 1949. Class 52.

Spaulding-Moss Company, Boston, Mass. Contact prints. 261,351, renewed Sept. 17, 1949. O. G. Feb. 28. Class 38.

Speidel Corporation: *See*—
Automatic Gold Chain Co.

Standard Brands Incorporated, New York, N. Y. Irradiated dry yeast. 521,518, Feb. 28; Serial No. 556,993, published Nov. 22, 1949. Class 46.

Standard Oil Company, The, Cleveland, Ohio. Gasoline. 521,545, Feb. 28; Serial No. 561,151, published Nov. 15, 1949. Class 15.

Standard Overall Company, The, Baltimore, Md. Work shirts, dungarees, overalls, and coveralls. 521,681, Feb. 28; Serial No. 520,066. Class 39.

Standard Thermometer Co., to Standard Thermometer, Inc., Boston, Mass. Thermometers and speedometers. 77,144, re-renewed Mar. 15, 1950. O. G. Feb. 28. Class 26.

Standard Thermometer, Inc.: *See*—
Standard Thermometer Co.

Stanley Works, The, New Britain, Conn. Steel hinges. 76,520, re-renewed Jan. 25, 1950. O. G. Feb. 28. Class 13.

Stanley Works, The, New Britain, Conn. Combination wood-working planes. 266,547, renewed Jan. 28, 1950. O. G. Feb. 28. Class 23.

Stardust, Incorporated, Poughkeepsie and New York, N. Y. Periodical publication. 521,637, Feb. 28; Serial No. 568,983, published Nov. 8, 1949. Class 38.

State Chemical Company, Inc., Kannapolis, assignor to Carolina Chemical Manufacturing Co., Inc., Granite Quarry, N. C. Wetting agent to be admixed with cleaning solvents. 521,676, Feb. 28; Serial No. 504,302. Class 52.

Stefco Steel Company, Michigan City, Ind. Combustion chambers. 521,468, Feb. 28; Serial No. 548,195, published Nov. 15, 1949. Class 34.

Sterling Reflector and Manufacturing Co., Chicago, Ill. Electric lamps. 521,439, Feb. 28; Serial No. 540,114, published Nov. 15, 1949. Class 21.

Stine, Lester G., Harrisburg, Pa. Fishing rods. 521,616, Feb. 28; Serial No. 567,604, published Nov. 15, 1949. Class 22.

Street & Smith Publications, Inc., New York, N. Y. Section and column in a periodical publication. 521,527, Feb. 28; Serial No. 558,079, published Nov. 8, 1949. Class 38.

Strong, Carlisle & Hammond Company, Cleveland, Ohio. Globe valves. 521,396, Feb. 28; Serial No. 520,426, published Nov. 8, 1949. Class 13.

Sturdevant, Kathryn C., doing business as Koolid Company, Oklahoma City, Okla. Metallic covers. 521,454, Feb. 28; Serial No. 543,335, published Nov. 22, 1949. Class 13.

Sun Oil Company, Philadelphia, Pa. Grease. 521,577, Feb. 28; Serial No. 564,483, published Nov. 15, 1949. Class 15.

Sun Oil Company, Philadelphia, Pa. Monthly publication. 521,645, Feb. 28; Serial No. 569,485, published Nov. 22, 1949. Class 38.

Sun and Times Co., Chicago, Ill., by change of name from Chicago Times, Inc. Newspaper column. 521,382, Feb. 28; Serial No. 485,199, published Nov. 8, 1949. Class 38.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Sutton Publishing Company, Inc., New York, N. Y. Periodicals. 521,693, Feb. 28; Serial No. 547,678. Class 38.

Swan-Finch Oil Corporation, New York, N. Y. Hydraulic oils. 521,635, Feb. 28; Serial No. 568,872, published Nov. 22, 1949. Class 15.

Tennessee Corporation, also doing business under the name "U. S. Phosphoric Products," New York, N. Y. Fertilizers. 521,456, Feb. 28; Serial No. 544,004, published June 28, 1949. Class 10.

Terminal Metal Products Corporation: *See*—
Garner & Co.

Terminal Island Sea Foods, Ltd.: *See*—
General Fisheries Corporation.

Tesla, Narodni P., also doing business as Tesla National Corporation, Prague, Czechoslovakia. Electric resistors; condensers; capacitors; etc. 521,567, Feb. 28; Serial No. 563,645, published Nov. 29, 1949. Class 21.

Tesla National Corporation: *See*—
Tesla, Narodni P.

Texas Company, The, New York, N. Y. Lubricating oils. 521,632, Feb. 28; Serial No. 568,468, published Nov. 22, 1949. Class 15.

Texas Ice & Refrigerating Company, Fort Worth, Tex. Ice. 521,453, Feb. 28; Serial No. 542,683, published Nov. 15, 1949. Class 1.

Thatcher Furnace Company, Garwood, N. J. Residential house heating boilers. 521,433, Feb. 28; Serial No. 538,324, published Nov. 15, 1949. Class 34.

Thomas Manufacturing Corporation, Newark, N. J. Dolls. 521,566, Feb. 28; Serial No. 563,567, published Nov. 15, 1949. Class 22.

Thompson Benton Co., Inc., The, Naugatuck, Conn., and elsewhere. Waterproof wrap-around shoe coverings. 521,686, Feb. 28; Serial No. 524,106. Class 39.

Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. 521,540, Feb. 28; Serial No. 560,665, published Nov. 1, 1949. Class 15.

Titeflex, Inc., Newark, N. J., and Wilmington, Del. Fittings for all-metal flexible tubing. 521,408, Feb. 28; Serial No. 529,829, published Nov. 22, 1949. Class 13.

Tos, Edward, New York, N. Y. Game. 521,579, Feb. 28; Serial No. 564,665, published Oct. 25, 1949. Class 22.

Treu, Audrey, Ogden, Utah. Lip stick, face creams, vanishing creams, etc. 443,783, Feb. 28; Serial No. 510,132, published Nov. 22, 1949. Class 51.

Tri-City Vegetable Growers: *See*—
Wofford, Ernest D.

Troy of California: *See*—
Troy Sportswear Co.

Troy Sportswear Co., doing business as Troy of California, San Francisco, Calif. Men's and boys' sport shirts and jackets. 521,699, Feb. 28; Serial No. 555,464. Class 39.

Tuffite Plastics: *See*—
Melander, Raymond C.

Twin Rose Products Company: *See*—
Twin Rose Products Co.

Twin Rose Products Co., assignor to Twin Rose Products Company, Swink, Colo. Fertilizer. 521,437, Feb. 28; Serial No. 539,234, published Aug. 16, 1949. Class 10.

Union Carbide and Carbon Corporation: *See*—
National Carbon Company, Inc.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils. 521,383, Feb. 28; Serial No. 487,221, published Nov. 1, 1949. Class 15.

Union Oil Company of California, Los Angeles, Calif. Gasoline, lubricating oils and greases, and Diesel fuel oils. 521,424, Feb. 28; Serial No. 534,488, published Nov. 1, 1949. Class 15.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils. 521,501, Feb. 28; Serial No. 553,924, published Nov. 22, 1949. Class 15.

United Crayon Co. Inc., Brooklyn, N. Y. Water color sets. 521,398, Feb. 28; Serial No. 521,041, published Nov. 15, 1949. Class 22.

United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Cod-liver oil, boneset, castor oil, etc. 265,196, renewed Dec. 17, 1949. O. G. Feb. 28. Class 18.

United Oil Company, Pittsburgh, Pa. Oil. 521,392, Feb. 28; Serial No. 514,381, published Nov. 1, 1949. Class 15.

United States Electrical Manufacturing Company, to U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motors. 263,208, renewed Nov. 5, 1949. O. G. Feb. 28. Class 21.

U. S. Electrical Motors, Inc.: *See*—
United States Electrical Manufacturing Company.

U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motors. 521,625, Feb. 28; Serial No. 567,933, published Nov. 29, 1949. Class 21.

United States Gypsum Company, Chicago, Ill. Wall coating in the nature of paint. 270,833, May 13, 1930. Amended. O. G. Feb. 28. Class 16.

"U. S. Phosphoric Products": *See*—
Tennessee Corporation.

United States Rubber Company, The: *See*—
Beacon Falls Rubber Shoe Company, The.
Fisk Rubber Company, The.
Naugatuck Chemical Company, The.
New York Belting and Packing Company, Limited.
Peerless Rubber Manufacturing Company.

United States Rubber Company, New York, N. Y. Footholds. 264,383, Nov. 26, 1929. Republished Feb. 28. Class 39.

Unitog Company: *See*—
Unitog Manufacturing Company, The.

Unitog Manufacturing Company, The, by Unitog Company, Kansas City, Mo. Work and play clothing. 267,670, Feb. 25, 1930. Republished Feb. 28. Class 39.

Universal Motor Oils Co., Inc., Wichita, Kans. Lubricating oils and greases. 521,585, Feb. 28; Serial No. 565,214, published Nov. 15, 1949. Class 15.

Van Pelt & Brown, Inc., Richmond, Va. Urinary antiseptic. 521,394, Feb. 28; Serial No. 519,552, published Nov. 15, 1949. Class 18.

Velocity Steam Production Engineering, Inc., Chicago, Ill. Steam apparatus. 443,798–9, Feb. 28; Serial Nos. 525,048–9, published Nov. 22, 1949. Class 34.

Virdans Farms, Phelps, N. Y. Fertilizer for house plants. 521,490, Feb. 28; Serial No. 552,290, published Oct. 4, 1949. Class 10.

Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Stabilizer for ice cream, sherbets, and ices. 265,165, renewed Dec. 17, 1949. O. G. Feb. 28. Class 46.

Vitamins Limited, London, England. Pharmaceutical calcium and vitamin D preparations. 521,553, Feb. 28; Serial No. 562,109, published Nov. 1, 1949. Class 18.

Voorhis-Tiebout Company, Inc., Red Hook, N. Y. Soap dispensers and pulverizers. 521,647, Feb. 28; Serial No. 569,654, published Nov. 1, 1949. Class 13.

Vulcan Corporation, Portsmouth, Ohio. Shoe lasts. 521,559, Feb. 28; Serial No. 563,230, published Oct. 25, 1949. Class 50.

Wagerman, Julius, doing business as Silver Booster Mfg. Co., Los Angeles, Calif. Emergency cap tension bolts. 521,687, Feb. 28; Serial No. 525,163. Class 23.

Walsh, Michael J., doing business as Dietary Laboratories, San Diego and Beverly Hills, Calif. Dietary supplement tablets. 521,654, Feb. 28; Serial No. 570,453, published Nov. 1, 1949. Class 18.

Warner, William R., & Co., Inc.: *See*—
Schering & Glatz, Inc.

Washington Natural Products Co., Seattle, Wash. Fertilizer material and soil builder. 521,485, Feb. 28; Serial No. 551,925, published July 5, 1949. Class 10.

Watson Burr & Associates, Inc., Denver, Colo., now by change of name Marvel Marking Machine Co. Marking machine. 443,794, Feb. 28; Serial No. 521,229, published Nov. 1, 1949. Class 24.

Webb Company, The: *See*—
Hill, E. W.

Weitzman, Adolph, New York, N. Y. Sheets of plastic material. 521,491, Feb. 28; Serial No. 552,403, published Oct. 4, 1949. Class 50.

Welters, Edward A., Jacksonville, Fla., to E. A. Welters, Chicago, Ill. Perfumes and toilet waters. 268,704, renewed Mar. 18, 1950. O. G. Feb. 28. Class 51.

Western Steel Fixture Corp., Dallas, Tex. Kitchen sinks. 521,422, Feb. 28; Serial No. 533,801, published Oct. 25, 1949. Class 13.

Wetalene Laboratories, Inc., Columbus, Ohio. Powdered cleanser. 443,788, Feb. 28; Serial No. 517,679, published Apr. 20, 1948. Class 52.

Wheeling Corrugating Company, Wheeling, W. Va. Formed metal roofing. 521,426, Feb. 28; Serial No. 536,192, published Nov. 22, 1949. Class 12.

Whiffen, L. C., Co., Inc., Milwaukee, Wis. Archery equipment. 521,400, Feb. 28; Serial No. 523,079, published Nov. 1, 1949. Class 22.

Wilcox, H. F., Oil & Gas Company, by Wilcox Oil Company, Tulsa, Okla. Gasoline, crude oil, illuminating oil, etc. 248,772, Oct. 30, 1928. Republished Feb. 28. Class 15.

Wilcox Oil Company: *See*—
Wilcox, H. F., Oil & Gas Company.

Wilkit Toy Corporation, Chicago, Ill. Kits for constructing toy electrical motors. 521,604, Feb. 28; Serial No. 566,681, published Nov. 15, 1949. Class 22.

Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 264,415, renewed Nov. 26, 1949. O. G. Feb. 28. Class 15.

Williams Sealing Corporation, by Crown Cork Specialty Corporation, Decatur, Ill. Bottle caps. 267,854, Mar. 4, 1930. Republished Feb. 28. Class 50.

Wilson Sporting Goods Co., Chicago, Ill. Shoulder pads of special rigid construction worn by football players. 521,580, Feb. 28; Serial No. 564,672, published Oct. 25, 1949. Class 22.

Wilson Sporting Goods Co., Chicago, Ill. Hip and kidney protecting or blocking pads, worn by participants in sports. 521,581, Feb. 28; Serial No. 564,673, published Oct. 25, 1949. Class 22.

Winslow-Wright Company, North Hollywood, Calif. Cork pullers. 521,441, Feb. 28; Serial No. 540,749, published Nov. 15, 1949. Class 23.

Winthrop-Stearns Inc.: *See*—
Zymole Company, The.

Wire and Steel Products Co., Inc., The, Brooklyn, N. Y. Box-strapping machines and special tools. 270,466, renewed May 6, 1950. O. G. Feb. 28. Class 23.

Wofford, Ernest D., to Tri-City Vegetable Growers, San Juan, Tex. Fresh vegetables. 406,686, Apr. 18, 1944. New certificate. O. G. Feb. 28. Class 46.

Wonder Books, Inc., assignor to Wonder Books, Inc., New York, N. Y. Books. 521,428, Feb. 28; Serial No. 537,269, published Nov. 8, 1949. Class 38.

Woolbridge Monument Works: *See*—
Frank, Charles.

Wullschleger & Co., New York, N. Y. Textile fabrics in the piece. 521,691, Feb. 28; Serial No. 546,534. Class 42.

Wyandotte Chemicals Corporation: *See*—
Ford, J. B., Company, The.

Wyeth Incorporated: *See*—
Clapp, Harold H.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 521,506, Feb. 28; Serial No. 555,228, published Nov. 8, 1949. Class 38.

Ziff-Davis Publishing Company, Chicago, Ill. Monthly magazine. 521,511, Feb. 28; Serial No. 531,748, published Nov. 22, 1949. Class 38.

Zymole Company, The, to Winthrop-Stearns Inc., New York, N. Y. Remedies for diseases of the eye. 77,858, re-renewed May 10, 1950. O. G. Feb. 28. Class 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Consolidation Coal Company. 366,575, Apr. 18, 1939. Corrected. O. G. Feb. 28.

Coal. Jeddo-Highland Coal Company. 521,514, Feb. 28; Serial No. 556,343, published Nov. 15, 1949.

Coal and coke. C. W. Hendley & Company, Inc. 521,528, Feb. 28; Serial No. 558,306, published Nov. 15, 1949.

Fur pelts. Gitler & Co., Inc. 521,531, Feb. 28; Serial No. 559,020, published Nov. 15, 1949.

Ice. Texas Ice & Refrigerating Company. 521,453, Feb. 28; Serial No. 542,683, published Nov. 15, 1949.

Latex compositions. The Naugatuck Chemical Company. 263,897, Nov. 12, 1929. Republished Feb. 28.

Leather. Eagle-Ottawa Leather Company. 436,788, Feb. 17, 1948. Amended. O. G. Feb. 28.

Leather in the piece. J. Greenebaum Tanning Co. 521,405, Feb. 28; Serial No. 529,041, published Nov. 22, 1949.

Modeling material, Plastic. The American Crayon Company. 264,687, renewed Dec. 3, 1949. O. G. Feb. 28.

Newspapers, Old discarded. Della Bros. 521,539, Feb. 28; Serial No. 560,606, published Nov. 15, 1949.

CLASS 4

Detergent product, Sudsing. The Procter & Gamble Company. 521,420, Feb. 28; Serial No. 533,222, published Nov. 1, 1949.

CLASS 5

Adhesives. The Naugatuck Chemical Company. 264,339, Nov. 26, 1929. Republished Feb. 28.
Cements, Adhesive synthetic elastomer compound. E. I. du Pont de Nemours and Company. 521,586, Feb. 28; Serial No. 565,248, published Nov. 15, 1949.
Cements, Rubber, and rubber gums. The Fisk Rubber Company. 265,298, Dec. 24, 1929. Republished Feb. 28.

CLASS 6

Alcohols, ketones, ammonia and soil fumigant. Shell Chemical Corporation. 521,533, Feb. 28; Serial No. 559,251, published Oct. 25, 1949.
Bicarbonate of soda (baking soda). Southern Soda Works Company. 521,650, Feb. 28; Serial No. 570,003, published Nov. 22, 1949.
Chemical compounds. The Harshaw Chemical Company. 521,648, Feb. 28; Serial No. 569,970, published Nov. 22, 1949.
Chemical preparations. American Chemical Paint Company. 521,503, Feb. 28; Serial No. 554,848, published Nov. 15, 1949.
Chemicals. Pfister Chemical Works, Inc. 521,664, Feb. 28; Serial No. 571,043, published Nov. 22, 1949.
Chemicals, medicines and pharmaceutical preparations. Society of Chemical Industry in Basle. 37,015, June 18, 1912. Amended. O. G. Feb. 28.
Emulsifying agent. T. G. Cooper & Co., Inc. 521,542, Feb. 28; Serial No. 560,865, published Nov. 15, 1949.
Fire extinguishing compositions, Dry powdered chemical. Ansul Chemical Company. 521,558, Feb. 28; Serial No. 563,096, published Nov. 1, 1949.
Insecticides and fungicides, Agricultural. Carolina Chemicals, Inc. 521,555, Feb. 28; Serial No. 562,592, published Nov. 15, 1949.
Medicinal preparation. Van Patten Pharmaceutical Co. 346,259, July 20, 1937. Amended. O. G. Feb. 28.
Pickling and baiting substances used in tanning. Röhm & Haas. 77,178, re-renewed Mar. 15, 1950. O. G. Feb. 28.
Preparation for use as an insect exterminator. Nitrate Agencies Company. 252,572, renewed Feb. 12, 1949. O. G. Feb. 28.
Resins, Synthetic. Monsanto Chemical Company. 521,603, Feb. 28; Serial No. 566,634, published Nov. 1, 1949.
Sizing agent. Onyx Oil & Chemical Company. 521,588, Feb. 28; Serial No. 565,494, published Nov. 22, 1949.
Spray or dip concentrate preparation, Liquid. Florida Chemical Industries, Inc. 521,657, Feb. 28; Serial No. 570,845, published Nov. 15, 1949.
Starch. H. Kohnstamm & Co., Inc. 521,591, Feb. 28; Serial No. 565,559, published Nov. 15, 1949.
Water-treating, water softening, and water clarifying compounds. National Aluminate Corporation. 259,581, renewed Aug. 6, 1940. O. G. Feb. 28.

CLASS 10

Admixture of feldspar and phosphate rock, Finely divided fused. Ferro Enamel Corporation. 521,526, Feb. 28; Serial No. 557,837, published July 12, 1949.
Fertilizer. Minden Cotton Oil & Ice Company, Ltd. 521,667, Feb. 28; Serial No. 573,135, published Oct. 25, 1949.
Fertilizer. Twin Rose Products Co. 521,437, Feb. 28; Serial No. 539,234, published Aug. 16, 1949.
Fertilizer, Chemical. Boyle-Midway Inc. 521,499, Feb. 28; Serial No. 553,571, published Oct. 4, 1949.
Fertilizer for house plants. Virdans Farms. 521,490, Feb. 28; Serial No. 552,290, published Oct. 4, 1949.
Fertilizer material and soil builder. Washington Natural Products Co. 521,485, Feb. 28; Serial No. 551,925, published July 5, 1949.
Fertilizers. Southern Acid & Sulphur Company, Incorporated. 521,670, Feb. 28; Serial No. 576,144, published Oct. 25, 1949.
Fertilizers. Tennessee Corporation. 521,456, Feb. 28; Serial No. 544,004, published June 28, 1949.
Fertilizers and soil sulphur. Hayes-Sammons Company. 521,569, Feb. 28; Serial No. 563,853, published Oct. 25, 1949.
Furfural residue. The Quaker Oats Company. 521,668, Feb. 28; Serial No. 575,430, published Oct. 25, 1949.
Inoculants, Bacterial. Kalo Inoculant Company. 521,442, Feb. 28; Serial No. 540,826, published July 5, 1949.
Lime, Hydrated, hydrated dolomite, and phosphatic fertilizers. The Permanente Metals Corporation. 521,484, Feb. 28; Serial No. 551,583, published Oct. 4, 1949.
Minerals, Agricultural. Randall Mills Corp. 521,546–7, Feb. 28; Serial Nos. 561,682–3, published Oct. 4, 1949.
Plant food and fertilizer mixtures. P. A. Chatelier. 521,532, Feb. 28; Serial No. 559,136, published July 12, 1949.
Sulphur. Southern Acid & Sulphur Company, Incorporated. 521,671, Feb. 28; Serial No. 576,168, published Oct. 25, 1949.

CLASS 12

Adhesives. Lino Paste Co., Inc. 443,778, Feb. 28; Serial No. 496,087, published Nov. 22, 1949.
Brick. Jewettville Clay Products Company, Inc. 192,316, renewed Dec. 2, 1944. O. G. Feb. 28.
Composition in the nature of a paste for repairing and resurfacing floors. B. J. Hardy. 409,632, Oct. 10, 1944. Canceled Jan. 20, 1950. O. G. Feb. 28.
Doors, Interior and exterior admission. The Reliance Art Metal Company. 521,541, Feb. 28; Serial No. 560,840, published Nov. 15, 1949.
Fir plywood. Douglas Fir Plywood Association. 521,674–5, Feb. 28; Serial Nos. 566,505–6, published Nov. 22, 1949.
Paper, Reenforced. American Reenforced Paper Company. 521,496, Feb. 28; Serial No. 553,059, published Oct. 25, 1949.
Pastes and cements. National Carbon Company, Inc. 443,800, Feb. 28; Serial No. 525,921, published Nov. 22, 1949.
Roofing, Formed metal. Wheeling Corrugating Company. 521,426, Feb. 28; Serial No. 536,192, published Nov. 22, 1949.
Roofing, Smooth-surface and slate-surfaced composition. Central Paint & Roofing Company. 269,748, renewed Apr. 15, 1950. O. G. Feb. 28.
Sections of wall, door and window panels, etc., Precision-fitting. Prefab Homes and Supplies, Inc. 521,571, Feb. 28; Serial No. 564,153, published Nov. 15, 1949.
Shield for windows, Inside. Air-Lite Window Shield Corporation. 521,458, Feb. 28; Serial No. 544,420, published Nov. 22, 1949.
Waterproofing compounds, Plastic roof coating, and a caulking compound, etc. Somay Products, Inc. 521,572, Feb. 28; Serial No. 564,165, published Nov. 15, 1949.

CLASS 13

Balances, Spring sash. Duplex Incorporated. 521,478, Feb. 28; Serial No. 550,397, published Nov. 22, 1949.
Check-valves, tire-valves, and liquid strainers. The Anthony Company. 521,505, Feb. 28; Serial No. 555,038, published Oct. 25, 1949.
Controlling devices, Fluid flow. Grove Regulator Company. 521,384, Feb. 28; Serial No. 495,471, published Oct. 25, 1949.
Cooking implements. The Paul V. Shell Co. 521,549, Feb. 28; Serial No. 561,691, published Nov. 22, 1949.
Covers, Metallic. K. C. Sturdevant. 521,454, Feb. 28; Serial No. 543,335, published Nov. 22, 1949.
Cuspidors, Metal. Faries Manufacturing Company. 521,388, Feb. 28; Serial No. 505,743, published Nov. 8, 1949.
Dispensers and pulverizers, Soap. Voorhis-Tiebout Company, Inc. 521,647, Feb. 28; Serial No. 569,654, published Nov. 1, 1949.
Dowel pins, screws, and stripper bolts. Allied Products Corporation. 521,598, Feb. 28; Serial No. 566,312, published Nov. 22, 1949.
Drip pans for flush tanks. Garner & Co. 521,599, Feb. 28; Serial No. 566,435, published Nov. 22, 1949.
Fastenings, Self-threading, and self-threading screws. Continental Screw Company. 521,435, Feb. 28; Serial No. 538,616, published Nov. 22, 1949.
Fencing, Metal. Jones & Laughlin Steel Corporation. 521,404, Feb. 28; Serial No. 528,485, published Oct. 25, 1949.
Fittings for all-metal flexible tubing. Titeflex, Inc. 521,408, Feb. 28; Serial No. 529,829, published Nov. 22, 1949.
Fixtures, Bathroom. C. F. Church Mfg. Co. 521,486, Feb. 28; Serial No. 551,944, published Nov. 15, 1949.
Handles. Norton Laboratories Inc. 521,578, Feb. 28; Serial No. 564,580, published Nov. 1, 1949.
Handles, Door. Lyon Metal Products, Incorporated. 521,432, Feb. 28; Serial No. 538,306, published Nov. 15, 1949.
Hinge pins. Armstrong-Bray & Co. 521,480, Feb. 28; Serial No. 550,774, published Nov. 15, 1949.
Hinges, Steel. The Stanley Works. 76,520, re-renewed Jan. 25, 1950. O. G. Feb. 28.
Nails, glazing points, and dowel pins. W. H. Maze Company. 521,421, Feb. 28; Serial No. 533,334, published Nov. 15, 1949.
Nozzles, Valve control shut-off. OPW Corporation. 521,409, Feb. 28; Serial No. 530,555, published Nov. 22, 1949.
Pans, Tubular cake, and cooking utensils. J. M. Luker. 521,391, Feb. 28; Serial No. 513,747, published Nov. 15, 1949.
Pots, Transplanting, for transplanting plants. J. C. Lam. 443,795, Feb. 28; Serial No. 522,425, published Nov. 22, 1949.
Screen wire-cloth. American Wire Fabrics Corporation. 521,627, Feb. 28; Serial No. 568,019, published Nov. 1, 1949.
Screws, chisel-pointed nails, iron rivets, etc. Nettlefolds, Limited. 33,793, re-renewed Nov. 21, 1949. O. G. Feb. 28.
Sinks, Kitchen. Western Steel Fixture Corp. 521,422, Feb. 28; Serial No. 533,801, published Oct. 25, 1949.
Sprinklers, Lawn. Chicago Flexible Shaft Company. 432,058, Aug. 19, 1947. Republished Feb. 28.
Sprinklers, Lawn, hose nozzles, hose couplings and quick coupling valves. Chicago Flexible Shaft Company. 401,051, Apr. 20, 1943. Republished Feb. 28.
Swivel joints, etc. Chiksan Company. 521,445, Feb. 28; Serial No. 541,261, published Nov. 22, 1949.

Swivel joints for fluid conduits, ball bearing swivel joints, loading rack swivel joints, etc. Chiksan Export Company. 521,448, Feb. 28; Serial No. 541,403, published Nov. 15, 1949.
Traps, Return. The Johnson Corporation. 521,606, Feb. 28; Serial No. 566,838, published Oct. 25, 1949.
Utensils, Aluminum culinary. Marshall Field & Company. 521,618, Feb. 28; Serial No. 567,704, published Oct. 25, 1949.
Valves, Globe. Strong, Carlisle & Hammond Company. 521,396, Feb. 28; Serial No. 520,426, published Nov. 8, 1949.
Wire and cut tacks, nails, staples, etc. Snell-Jones Tack Corporation. 521,457, Feb. 28; Serial No. 544,212, published Nov. 22, 1949.

CLASS 15

Candles. Will & Baumer Candle Co., Inc. 264,415, renewed Nov. 26, 1949. O. G. Feb. 28.
Candles, Wax. Smith & Nichols, Inc. 521,427, Feb. 28; Serial No. 537,089, published Nov. 15, 1949.
Fuel. C. F. Lawley. 521,466, Feb. 28; Serial No. 547,465, published Nov. 15, 1949.
Fuels, Internal combustion engine, burning oils, lubricating oils and greases. Continental Oil Company. 521,617, Feb. 28; Serial No. 567,685, published Nov. 22, 1949.
Fuels, Internal combustion engine, burning oils, lubricating oils and greases. Continental Oil Company. 521,638, Feb. 28; Serial No. 569,035, published Nov. 22, 1949.
Gasoline. The Standard Oil Company. 521,545, Feb. 28; Serial No. 561,151, published Nov. 15, 1949.
Gasoline, crude oil, illuminating oil, etc. H. F. Wilcox Oil & Gas Company. 248,772, Oct. 30, 1928. Republished Feb. 28.
Gasoline, lubricating oils and greases, and Diesel fuel oils. Union Oil Company of California. 521,424, Feb. 28; Serial No. 534,488, published Nov. 1, 1949.
Gasolines. Phillips Petroleum Company. 264,419, renewed Nov. 26, 1949. O. G. Feb. 28.
Grease. Sun Oil Company. 521,577, Feb. 28; Serial No. 564,483, published Nov. 15, 1949.
Grease, Petroleum lubricating. Sinclair Refining Company. 521,565, Feb. 28; Serial No. 563,504, published Nov. 15, 1949.
Lubricant. Reed Roller Bit Company. 521,653, Feb. 28; Serial No. 570,434, published Nov. 22, 1949.
Lubricant, Powdered graphite. Panef Manufacturing Co., Inc. 521,574, Feb. 28; Serial No. 564,399, published Nov. 15, 1949.
Oil. United Oil Company. 521,392, Feb. 28; Serial No. 514,381, published Nov. 1, 1949.
Oil, Flushing. The Pure Oil Company. 521,556, Feb. 28; Serial No. 562,805, published Nov. 15, 1949.
Oil, Lubricating. Tide Water Associated Oil Company. 521,640, Feb. 28; Serial No. 560,665, published Nov. 1, 1949.
Oils and greases, Lubricating. Freedom-Valvoline Oil Company. 521,659, Feb. 28; Serial No. 570,897, published Nov. 22, 1949.
Oils and greases, Lubricating. Freedom-Valvoline Oil Company. 521,660, Feb. 28; Serial No. 570,930, published Nov. 22, 1949.
Oils and greases, Lubricating. Freedom-Valvoline Oil Company. 521,662, Feb. 28; Serial No. 571,021, published Nov. 22, 1949.
Oils and greases, Lubricating. Freedom-Valvoline Oil Company. 521,665, Feb. 28; Serial No. 571,130, published Nov. 22, 1949.
Oils and greases, Lubricating. Universal Motor Oils Co., Inc. 521,585, Feb. 28; Serial No. 565,214, published Nov. 15, 1949.
Oils, Cutting. The Pure Oil Company. 521,402, Feb. 28; Serial No. 526,827, published Nov. 1, 1949.
Oils, Fuel. The Pennsoil Company. 264,408, Nov. 26, 1929. Republished Feb. 28.
Oils, Hydraulic. Swan-Finch Oil Corporation. 521,635, Feb. 28; Serial No. 568,872, published Nov. 22, 1949.
Oils, Lubricating. Freedom-Valvoline Oil Company. 521,661, Feb. 28; Serial No. 571,019, published Nov. 22, 1949.
Oils, Lubricating. Freedom-Valvoline Oil Company. 521,663, Feb. 28; Serial No. 571,022, published Nov. 22, 1949.
Oils, Lubricating. Freedom-Valvoline Oil Company. 521,666, Feb. 28; Serial No. 571,131, published Nov. 22, 1949.
Oils, Lubricating. The Texas Company. 521,632, Feb. 28; Serial No. 568,468, published Nov. 22, 1949.
Oils, Lubricating. Union Oil Company of California. 521,383, Feb. 28; Serial No. 487,221, published Nov. 1, 1949.
Oils, Lubricating. Union Oil Company of California. 521,501, Feb. 28; Serial No. 553,924, published Nov. 22, 1949.
Oils, Lubricating, lubricating greases, film strength oiliness additive oils, etc. Filmite Oil Corporation. 443,790, Feb. 28; Serial No. 518,593, published Nov. 8, 1949.
Petroleum products, Refined. New Mexico Asphalt & Refining Company. 521,596, Feb. 28; Serial No. 566,094, published Nov. 22, 1949.
Petroleum products, Refined or unrefined. Cities Service Oil Company. 521,590, Feb. 28; Serial No. 565,542, published Nov. 22, 1949.
Petroleum products, Refined or unrefined. Cities Service Oil Company. 521,620, Feb. 28; Serial No. 567,756, published Nov. 22, 1949.
Petroleum products, Refined or unrefined. Cities Service Oil Company. 521,623, Feb. 28; Serial No. 567,852, published Nov. 22, 1949.
Viscous liquids, Oily. American Air Filter Company, Inc. 521,551, Feb. 28; Serial No. 562,004, published Nov. 15, 1949.

CLASS 16

Paints, Dry, ready-mixed, and paste, varnishes, paint enamels, etc. McDougall-Butler Co., Inc. 267,663, renewed Feb. 25, 1950. O. G. Feb. 28.
Paints, Liquid roof. M. J. Merkin Paint Co., Inc. 521,673, Feb. 28; Serial No. 539,890, published Jan. 25, 1949.
Wall coating in the nature of paint. United States Gypsum Company. 270,833, May 13, 1930. Amended. O. G. Feb. 28.

CLASS 17

Cigars. Compania Tabacalera Nacional, S. A. 268,631, Mar. 18, 1930. Republished Feb. 28.

CLASS 18

Alleviation and cure of neuralgia, rheumatism, headache, etc. The Sydney Ross Company. 34,043, re-renewed Jan. 16, 1950. O. G. Feb. 28.
Anti-histamine preparation. Bristol Laboratories Inc. 521,643, Feb. 28; Serial No. 569,346, published Nov. 15, 1949.
Antiseptic, Urinary. Van Pelt & Brown, Inc. 521,394, Feb. 28; Serial No. 519,552, published Nov. 15, 1949.
Barbiturate-sedative and hypnotic. Geigy Company, Inc. 443,793, Feb. 28; Serial No. 519,810, published Dec. 23, 1947.
Cathartic preparation. The Wm. S. Merrell Company. 265,310, renewed Dec. 24, 1949. O. G. Feb. 28.
Cod-liver oil, boneset, castor oil, etc. United Drug Company. 265,196, renewed Dec. 17, 1949. O. G. Feb. 28.
Dental counterirritant. The Sorgos Company. 521,521, Feb. 28; Serial No. 557,280, published Oct. 25, 1949.
Hexamethylenetetramine or hexamethylenamine (U. S. P.). Schering & Glatz, Inc. 269,754, renewed Apr. 15, 1950. O. G. Feb. 28.
Medicinal preparation. Eli Lilly and Company. 521,602, Feb. 28; Serial No. 566,624, published Nov. 15, 1949.
Medicine. N. V. Amsterdamsche Chininefabriek. 521,502, Feb. 28; Serial No. 554,689, published Oct. 25, 1949.
Mono-sodium salt of diethyl-barbituric acid, sodium diethyl-barbiturate. Schering & Glatz, Inc. 269,753, renewed Apr. 15, 1950. O. G. Feb. 28.
Multivitamin preparation, High potency. Armour and Company. 521,655, Feb. 28; Serial No. 570,609, published Nov. 15, 1949.
Ointment preparation. Eli Lilly and Company. 521,658, Feb. 28; Serial No. 570,859, published Nov. 15, 1949.
Pharmaceutical calcium and vitamin D preparations. Vitamins Limited. 521,553, Feb. 28; Serial No. 562,109, published Nov. 1, 1949.
Preparation for regulating the kidneys. The Wm. S. Merrell Company. 265,311, renewed Dec. 24, 1949. O. G. Feb. 28.
Preparation having antihistaminic properties. Sharp & Dohme, Incorporated. 521,601, Feb. 28; Serial No. 566,550, published Nov. 15, 1949.
Preparation indicated in the treatment of digestive disturbances. A. H. Robins Company, Inc. 521,669, Feb. 28; Serial No. 576,017, published Nov. 1, 1949.
Preparation to be used in the treatment of toothache, insect bites, Liquid, etc. Monticello Drug Company. 521,552, Feb. 28; Serial No. 562,081, published Nov. 1, 1949.
Remedies for diseases of the eye. The Zymole Company. 77,858, re-renewed May 10, 1950. O. G. Feb. 28.
Suppositories. Schering & Glatz, Inc. 269,752, renewed Apr. 15, 1950. O. G. Feb. 28.
Tablets, Dietary supplement. M. J. Walsh. 521,654, Feb. 28; Serial No. 570,453, published Nov. 1, 1949.
Tonic builder, General. Intravenous Products Co. of America, Inc. 266,369, renewed Jan. 14, 1950. O. G. Feb. 28.
Wetting agent and a germicide. Onyx Oil & Chemical Company. 521,589, Feb. 28; Serial No. 565,495, published Nov. 15, 1949.

CLASS 19

Airplanes and structural parts thereof. Mahoney-Ryan Aircraft Corporation. 262,061, Sept. 24, 1929. Canceled Jan. 20, 1950. O. G. Feb. 28.

CLASS 21

Amplifiers and acoustically designed cabinets. D. G. King. 443,785, Feb. 28; Serial No. 510,786, published Nov. 29, 1949.
Arc welding machines, Electric, welding units and parts thereof, carbon electrodes, etc. National Cylinder Gas Company. 521,482, Feb. 28; Serial No. 551,034, published Nov. 8, 1949.
Arc welding machines, Electric, welding units and parts thereof, carbon electrodes, etc. National Cylinder Gas Company. 521,492, Feb. 28; Serial No. 552,479, published Nov. 8, 1949.

Batteries, Dry cell, and handlamps. Olin Industries, Inc. 521,300, Feb. 28; Serial No. 553,688, published Dec. 6, 1949.
Batteries, Electric storage. American Battery Mfg. Company. 521,474, Feb. 28; Serial No. 549,775, published May 24, 1949.
Batteries, Storage, battery cables, battery chargers, and spark plugs. Cities Service Oil Company. 521,624, Feb. 28; Serial No. 567,853, published Dec. 6, 1949.
Batteries, Storage, battery cables, battery chargers, etc. Cities Service Oil Company. 521,621, Feb. 28; Serial No. 567,757, published Nov. 29, 1949.
Batteries, Wet cell automotive storage. A. Scheines. 521,522, Feb. 28; Serial No. 557,312, published Dec. 6, 1949.
Capacitors, Electric. Aerovox Corporation. 521,614, Feb. 28; Serial No. 567,446, published Nov. 29, 1949.
Cigarette lighters and dispensers, Combined electric. Chicago Flexible Shaft Company. 291,281, Feb. 9, 1932. Republished Feb. 28.
Circuit breakers, Air; air switches, electric switches, etc. Allis-Chalmers Manufacturing Company. 521,462, Feb. 28; Serial No. 546,082, published Nov. 22, 1949.
Coffee makers and parts thereof, Electrical. Chicago Flexible Shaft Company. 328,171, Sept. 17, 1935. Republished Feb. 28.
Control apparatus, Electronic. F. E. Dudley. 521,470, Feb. 28; Serial No. 548,642, published Dec. 6, 1949.
Drills, Hand operated electrically driven. Chicago Flexible Shaft Company. 367,025, May 9, 1939. Republished Feb. 28.
Electrical apparatus. Hudson Wire Company. 521,543, Feb. 28; Serial No. 560,890, published Nov. 22, 1949.
Electrical apparatus. Railley Corporation. 521,497, Feb. 28; Serial No. 553,307, published Dec. 6, 1949.
Electrical apparatuses and fixtures, Certain. Crouse-Hinds Company. 264,407, renewed Nov. 26, 1949. O. G. Feb. 28.
Fans, Electric, electric flatirons, etc. Chicago Electric Manufacturing Company. 521,407, Feb. 28; Serial No. 529,365, published Dec. 6, 1949.
Fixtures, Fluorescent lighting. Mitchell Manufacturing Company. 521,672, Feb. 28; Serial No. 576,766, published Nov. 8, 1949.
Furnaces, Electric. Chicago Flexible Shaft Company. 402,855, Aug. 17, 1943. Republished Feb. 28.
Generators and control panels therefor, Gasoline powered. Bellingham Manufacturing Co. 521,520, Feb. 28; Serial No. 557,245, published Nov. 22, 1949.
Ignition parts. Atlas Supply Company. 521,610, Feb. 28; Serial No. 567,127, published Nov. 29, 1949.
Insulators, Electrical and telephonic thermoplastic. The Cleveland Container Company. 521,575, Feb. 28; Serial No. 564,434, published Nov. 8, 1949.
Lamps, Electric. Sterling Reflector and Manufacturing Co. 521,439, Feb. 28; Serial No. 540,114, published Nov. 15, 1949.
Loud speakers, Coin operated. Solotone Corporation. 443,791, Feb. 28; Serial No. 519,227, published Dec. 14, 1948.
Mixers, Electric food. Chicago Flexible Shaft Company. 281,291, May 17, 1931. Republished Feb. 28.
Mixers, Electrical food and beverage. Chicago Flexible Shaft Company. 278,428, June 11, 1940. Republished Feb. 28.
Motors, Electric. United States Electrical Manufacturing Company. 263,208, renewed Nov. 5, 1949. O. G. Feb. 28.
Motors, Electric. U. S. Electrical Motors, Inc. 521,625, Feb. 28; Serial No. 567,933, published Nov. 29, 1949.
Parts for airplanes, parts for flood lights, parts for radios, Molded plastic electrical, etc. Diemolding Corporation. 521,487, Feb. 28; Serial No. 551,955, published Nov. 8, 1949.
Phonograph apparatus, Electrical. The Bell Sound Systems, Inc. 521,403, Feb. 28; Serial No. 528,423, published Dec. 6, 1949.
Polishers, Electric floor. The Dumore Company. 521,494, Feb. 28; Serial No. 541,655, published Nov. 15, 1949.
Projection boxes. North American Philips Company, Inc. 521,523, Feb. 28; Serial No. 557,379, published Nov. 8, 1949.
Protective devices, Steam boiler electrolytic. E. S. Bremerman. 521,385, Feb. 28; Serial No. 497,841, published Nov. 29, 1949.
Radios and radio parts. Almo Radio Co. 521,477, Feb. 28; Serial No. 550,374, published Dec. 6, 1949.
Receiving sets, Radio, and radio phonograph combination sets. The Magnavox Company. 521,430, Feb. 28; Serial No. 537,713, published Nov. 29, 1949.
Receiving sets, Television. Cascade Television Co. 521,560, Feb. 28; Serial No. 563,237, published Nov. 22, 1949.
Regulators comprising an electro-mechanical mechanism, Speed. The Reliance Electric & Engineering Co. 521,397, Feb. 28; Serial No. 520,471, published Nov. 8, 1949.
Resistors: condensers; capacitors; etc., Electric. N. P. Tesla. 521,567, Feb. 28; Serial No. 563,645, published Nov. 29, 1949.
Sadirons, Electric. Chicago Flexible Shaft Company. 297,079, Aug. 30, 1932. Republished Feb. 28.
Service sets, Buffet. Chicago Flexible Shaft Company. 441,675, Dec. 28, 1948. Republished Feb. 28.
Stoves and ovens, Electric cooking and heating. S. F. Appliances, Limited. 521,584, Feb. 28; Serial No. 564,970, published Nov. 15, 1949.
Tips, Spot welding, and resistance welding electrodes. Ampco Metal, Inc. 443,777, Feb. 28; Serial No. 492,022, published Oct. 29, 1946.
Toasters, Electric. Chicago Flexible Shaft Company. 280,599, Feb. 24, 1931. Republished Feb. 28.
Tools, Power-operated. Aristo Power Tools, Inc. 521,417, Feb. 28; Serial No. 532,899, published Nov. 8, 1949.
Transmitters, Amplitude-modulated radio, frequency-modulated radio transmitters, etc. Raytheon Manufacturing Company. 521,461, Feb. 28; Serial No. 545,768, published Nov. 15, 1949.
Waffle irons, Electric. Chicago Flexible Shaft Company. 280,600, Feb. 24, 1931. Republished Feb. 28.
Waste disposal units, Electric. Given Manufacturing Company. 521,488, Feb. 28; Serial No. 551,968, published Nov. 15, 1949.
Wire, Electrical conducting, and tie wire. Nichols Wire and Aluminum Company. 521,609, Feb. 28; Serial No. 567,030, published Nov. 29, 1949.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 521,622, Feb. 28; Serial No. 567,766, published Nov. 8, 1949.
Archery equipment. L. C. Whiffen Co., Inc. 521,400, Feb. 28; Serial No. 523,079, published Nov. 1, 1949.
Billiard cues. The Brunswick-Balke-Collender Company. 521,592, Feb. 28; Serial No. 565,610, published Oct. 25, 1949.
Bingo board units. M. Herring. 521,587, Feb. 28; Serial No. 565,489, published Nov. 15, 1949.
Dolls. Cabbage Patch Circle. 521,583, Feb. 28; Serial No. 564,929, published Oct. 25, 1949.
Dolls. Cameo Doll Products Co. Inc. 521,613, Feb. 28; Serial No. 567,385, published Nov. 15, 1949.
Dolls. National Costume Doll Co. 443,789, Feb. 28; Serial No. 518,476, published Nov. 15, 1949.
Dolls. Thomas Manufacturing Corporation. 521,566, Feb. 28; Serial No. 563,567, published Nov. 15, 1949.
Dolls, Composition and plastic. A. Haddad. 521,415, Feb. 28; Serial No. 532,824, published Oct. 25, 1949.
Fish bait, Artificial. The Enterprise Manufacturing Company. 521,459, Feb. 28; Serial No. 544,637, published Oct. 18, 1949.
Fish bait or lure, Artificial. Scooterpooper Sales, Inc. 521,548, Feb. 28; Serial No. 561,690, published Oct. 25, 1949.
Fishhooks. O. Mustad & Son. 521,582, Feb. 28; Serial No. 564,781, published Nov. 15, 1949.
Fishhooks. Shoe Form Co. Inc. 521,493, Feb. 28; Serial No. 552,500, published Nov. 15, 1949.
Fishline. Continental Elastic Corporation. 521,438, Feb. 28; Serial No. 540,041, published Nov. 15, 1949.
Fishing lines. Marshall-Wells Company. 521,631, Feb. 28; Serial No. 568,321, published Nov. 15, 1949.
Fishing lines. Shakespeare Company. 521,634, Feb. 28; Serial No. 568,811, published Nov. 15, 1949.
Fishing reels. Bronson Reel Company. 521,429, Feb. 28; Serial No. 537,286, published Nov. 1, 1949.
Fishing reels. Bronson Reel Company. 521,436, Feb. 28; Serial No. 538,870, published Oct. 25, 1949.
Fishing reels. The Enterprise Manufacturing Company. 521,593, Feb. 28; Serial No. 565,695, published Nov. 15, 1949.
Fishing reels. The Enterprise Manufacturing Co. 521,594, Feb. 28; Serial No. 565,697, published Nov. 15, 1949.
Fishing rods. L. G. Stine. 521,616, Feb. 28; Serial No. 567,604, published Nov. 15, 1949.
Fishing rods and leader line. L. F. Helbig, Jr. 521,537, Feb. 28; Serial No. 560,264, published Oct. 25, 1949.
Fishing rods, fishing reels, fishing lines, etc. South Bend Bait Company. 521,516, Feb. 28; Serial No. 556,663, published Oct. 25, 1949.
Game, Fayko-Fun, Incorporated. 521,646, Feb. 28; Serial No. 569,568, published Nov. 15, 1949.
Game. E. Tos. 521,579, Feb. 28; Serial No. 564,065, published Oct. 25, 1949.
Game, Packaged. H. H. Boscowitz. 521,640, Feb. 28; Serial No. 569,249, published Nov. 15, 1949.
Gloves, Baseball. J. A. Dubow Manufacturing Co., Inc. 521,636, Feb. 28; Serial No. 568,939, published Nov. 15, 1949.
Golf clubs and parts thereof, golf balls, golf tees, etc. Harry C. Lee & Co., Inc. 521,652, Feb. 28; Serial No. 570,265, published Nov. 15, 1949.
Kits for children's use in making toys. Buffalo Hobby Haven. 521,452, Feb. 28; Serial No. 542,530, published Oct. 25, 1949.
Kits for constructing toy electrical motors. Wilkit Toy Corporation. 521,604, Feb. 28; Serial No. 566,681, published Nov. 15, 1949.
Pads of special rigid construction worn by football players, Shoulder. Wilson Sporting Goods Co. 521,580, Feb. 28; Serial No. 564,672, published Oct. 25, 1949.
Pads worn by participants in sports, Hip and kidney protecting or blocking. Wilson Sporting Goods Co. 521,581, Feb. 28; Serial No. 564,673, published Oct. 25, 1949.
Puzzles. Milton Bradley Company. 521,563–4, Feb. 28; Serial Nos. 563,483–4, published Nov. 15, 1949.

Skis, toboggans, snowshoes, etc. C. A. Lund. 264,032, renewed Nov. 19, 1949. O. G. Feb. 28.
Sleds, scooters, velocipedes, Children's. Henry Modell & Co., Inc. 521,544, Feb. 28; Serial No. 561,132, published Oct. 25, 1949.
Telephone set, Plastic toy, children's money-saving bank, toy automobile. Columbus Plastic Products, Inc. 521,561, Feb. 28; Serial No. 563,240, published Nov. 15, 1949.
Toy balloons. National Hygienic Products Corp. 521,576, Feb. 28; Serial No. 564,458, published Oct. 25, 1949.
Toy blocks. Halsam Products Company. 521,414, Feb. 28; Serial No. 532,702, published Nov. 8, 1949.
Toy cabins, Small, boys' work benches, miniature furniture and building blocks. Rohana, Inc. 521,597, Feb. 28; Serial No. 566,170, published Nov. 8, 1949.
Toy guns, holsters, spurs, etc. C. R. Lawyer. 521,562, Feb. 28; Serial No. 563,423, published Oct. 25, 1949.
Toy horns. Sound Devices, Inc. 521,513, Feb. 28; Serial No. 556,294, published Nov. 15, 1949.
Toys, Educational Construction. C. C. Hollingsworth. 521,649, Feb. 28; Serial No. 569,973, published Nov. 15, 1949.
Tricycles and velocipedes and pedal cars, etc. Oakland Engineering Company, Inc. 443,786, Feb. 28; Serial No. 516,498, published Oct. 25, 1949.
Water color sets. United Crayon Co. Inc. 521,398, Feb. 28; Serial No. 521,041, published Nov. 15, 1949.

CLASS 23

Apparatus for receiving fluid, Portable. Lincoln Engineering Company. 521,387, Feb. 28; Serial No. 505,504, published June 2, 1949.
Blocks, molds, vulcanizers, Pressure, etc. Inland Rubber Corporation. 521,410, Feb. 28; Serial No. 531,605, published Nov. 8, 1949.
Bolts, Emergency cap tension. J. Wagerman. 521,687, Feb. 28; Serial No. 525,163.
Box-strapping machines and special tools. The Wire and Steel Products Co., Inc. 270,466, renewed May 6, 1950. O. G. Feb. 28.
Case, Outboard motor carrying and storage. E. Helmreich. 521,705, Feb. 28; Serial No. 566,934.
Clippers and animal shears, Electric. Chicago Flexible Shaft Company. 283,524, June 2, 1931. Republished Feb. 28.
Collectors and loaders, Vacuum leaf. M. A. Elliotte. 521,682, Feb. 28; Serial No. 521,866.
Cork pullers. Winslow-Wright Company. 521,441, Feb. 28; Serial No. 540,749, published Nov. 15, 1949.
Drives, V-belt machinery. Dodge Manufacturing Corporation. 521,690, Feb. 28; Serial No. 541,791.
Forks, Kitchen utility. Carter Machine & Tool Co. 521,449, Feb. 28; Serial No. 541,510, published Oct. 4, 1949.
Gears, Commercial spur, bevel, worm, spiral and helical. New York Gear Works. 521,694, Feb. 28; Serial No. 549,083.
Hoes, Orchard. The Fact Corporation. 521,519, Feb. 28; Serial No. 557,032, published Oct. 4, 1949.
Knives, Carving, carving forks, boning knives, etc. Gerber Legendary Blades. 521,425, Feb. 28; Serial No. 534,621, published Oct. 11, 1949.
Knives, Meat. Chas. D. Briddell, Inc. 521,685, Feb. 28; Serial No. 523,174.
Knives, Pocket, razor knives, and spoons. Gits Molding Corporation. 521,399, Feb. 28; Serial No. 522,629, published Oct. 18, 1949.
Machines for carbonating and/or oxygenating beverages. IceCrafter, Inc. 521,511, Feb. 28; Serial No. 556,098, published Oct. 18, 1949.
Mixers, Food, fruit juice extractors, mayonnaise makers, drink mixers, etc. Chicago Flexible Shaft Company. 327,314, Aug. 20, 1935. Republished Feb. 28.
Planes, Combination wood-working. The Stanley Works. 266,547, renewed Jan. 28, 1950. O. G. Feb. 28.
Pumps, Oil. Chicago Flexible Shaft Company. 402,360, July 13, 1943. Republished Feb. 28.
Sets of motor-car-repair tools. Kent-Moore Organization. 263,496, Nov. 5, 1929. Republished Feb. 28.
Sewing machines and attachments. National Sewing Machine Company. 521,443, Feb. 28; Serial No. 540,855, published Nov. 8, 1949.
Shearing machines, Animal; clippers for human hair; double end grinders; etc. Chicago Flexible Shaft Company. 401,162, Apr. 27, 1943. Republished Feb. 28.
Shears and parts therefor, Electric animal. Chicago Flexible Shaft Company. 297,388, Sept. 13, 1932. Republished Feb. 28.
Sprayers, Liquid. Chicago Flexible Shaft Company. 349,927, Sept. 14, 1937. Republished Feb. 28.
Sprayers, Paint, and spray guns. W. R. Brown Corporation. 521,684, Feb. 28; Serial No. 522,994.
Stitching machine, Wire. Inland Wire Products Company. 521,512, Feb. 28; Serial No. 556,201, published Nov. 8, 1949.
Taps, dies, die-heads, etc. The Geometric Tool Company. 521,517, Feb. 28; Serial No. 556,957, published Oct. 4, 1949.
Utensils, Kitchen. Chicago Flexible Shaft Company. 320,296, Dec. 25, 1934. Republished Feb. 28.
Washing machines, Can. The Lathrop-Paulson Company. 521,419, Feb. 28; Serial No. 533,178, published Nov. 1, 1949.
Wrenches. The Cincinnati Tool Company. 521,677, Feb. 28; Serial No. 508,978.
Wrenches, Jari Products, Inc. 521,401, Feb. 28; Serial No. 524,469, published Oct. 18, 1949.

CLASS 24

Clothes-washing machines. The Cinderella Washing Machine Company. 262,786, renewed Oct. 22, 1949. O. G. Feb. 28.
Dry cleaning apparatus. Butler Mfg. Company. 521,557, Feb. 28; Serial No. 502,828, published Nov. 22, 1949.
Ironing boards and ironing board covers. Household Specialties, Incorporated. 521,573, Feb. 28; Serial No. 564,307, published Nov. 8, 1949.
Laundry appliances, Domestic. Nineteen-Hundred Corporation. 521,605, Feb. 28; Serial No. 566,714, published Nov. 22, 1949.
Marking machine. Burr Watson & Associates, Inc. 443,794, Feb. 28; Serial No. 521,229, published Nov. 1, 1949.

CLASS 26

Thermometers and speedometers. Standard Thermometer Co. 77,144, re-renewed Mar. 15, 1950. O. G. Feb. 28.

CLASS 28

Chains. R. F. Simmons & Co. 34,608, re-renewed May 1, 1950. O. G. Feb. 28.
Flatware and hollow ware. The Ellmore Silver Company, Inc. 512,022, July 5, 1949. Canceled Jan. 20, 1950. O. G. Feb. 28.
Jewelry. Automatic Gold Chain Co. 269,948, renewed Apr. 22, 1950. O. G. Feb. 28.
Lockets and bracelets. Attleboro Chain Company. 76,957, re-renewed Mar. 1, 1950. O. G. Feb. 28.

CLASS 30

China and earthenware. B. Altman & Co. 521,651, Feb. 28; Serial No. 570,169, published Oct. 25, 1949.
Chinaware. Robert Bloch and Simone Van Moppes Bloch. 521,538, Feb. 28; Serial No. 560,377, published Oct. 25, 1949.

CLASS 31

Filter elements for coffeemakers, Replaceable. Chicago Flexible Shaft Company. 442,875, June 14, 1949. Republished Feb. 28.

CLASS 32

Cabinets, Steel kitchen, steel base cabinets, steel wall cabinets, etc. Midwest Mfg. Company. 443,779, Feb. 28; Serial No. 498,438, published Nov. 25, 1947.

CLASS 33

Glassware for table use. Marshall Field & Company. 521,619, Feb. 28; Serial No. 567,706, published Oct. 18, 1949.
Glasses, Drinking, glass plates, vases, etc. Blenko Glass Company, Inc. 521,460, Feb. 28; Serial No. 545,574, published Oct. 25, 1949.

CLASS 34

Air conditioning and heating equipment. Char-Gale Manufacturing Company. 521,656, Feb. 28; Serial No. 570,692, published Nov. 22, 1949.
Boilers, Residential house heating. Thatcher Furnace Company. 521,433, Feb. 28; Serial No. 538,324, published Nov. 15, 1949.
Burners and parts thereof, Oil. Pan American Oil Burner Corporation. 521,467, Feb. 28; Serial No. 547,655, published Mar. 8, 1949.
Burners, Oil, burner-boiler units, and parts therefor. H. J. Hueller Manufacturing Company, Inc. 521,390, Feb. 28; Serial No. 512,837, published Nov. 15, 1949.
Collectors, absorbers, and atmospheric coolers, etc., Dust and fume. Claude B. Schneible Company. 521,469, Feb. 28; Serial No. 548,531, published Nov. 15, 1949.
Combustion chambers. Stefco Steel Company. 521,468, Feb. 28; Serial No. 548,195, published Nov. 15, 1949.
Coolers, blowers, condensers, etc., Ventilating unit. The Bush Manufacturing Company. 521,440, Feb. 28; Serial No. 540,160, published Nov. 15, 1949.
Furnaces, Heat treating, hardening and tempering furnaces, etc. Chicago Flexible Shaft Company. 402,174, July 6, 1943. Republished Feb. 28.
Heaters, Gas water. A. O. Smith Corporation. 521,489, Feb. 28; Serial No. 552,012, published Nov. 22, 1949.
Heaters, Space. Lonergan Manufacturing Company. 521,416, Feb. 28; Serial No. 532,837, published Oct. 4, 1949.
Heating unit, McQuay-Norris Manufacturing Co. 521,515, Feb. 28; Serial No. 556,644, published Nov. 15, 1949.
Installations employing mechanical and/or chemical means for ventilating and sanitary purposes. Calmic Limited. 521,434, Feb. 28; Serial No. 538,602, published Nov. 8, 1949.
Oven, C. J. Hoven. 521,524, Feb. 28; Serial No. 557,752, published Nov. 15, 1949.
Ranges, Gas and oil. The Dortch Stove Works, Inc. 521,444, Feb. 28; Serial No. 540,986, published Mar. 8, 1949.
Steam apparatus. Velocity Steam Production Engineering, Inc. 443,798–9. Feb. 28; Serial Nos. 525,048–9, published Nov. 22, 1949.

Stokers, Natural or forced draft. American Coal Burner Company. 521,509, Feb. 28; Serial No. 555,862, published Nov. 15, 1949.
Stoves, Coal, wood, gas, gasolene, and oil, coal, wood, and gas ranges, etc. C. M. McClung & Co. 521,476, Feb. 28; Serial No. 550,162, published Nov. 15, 1949.

CLASS 35

Belting, Rubber. The Jeffrey Manufacturing Company. 33,756, re-renewed Nov. 14, 1949. O. G. Feb. 28.
Casings. Pneumatic-tire. The Fisk Rubber Company. 264,829, Dec. 10, 1929. Republished Feb. 28.
Hose composed of rubber or rubber and fabric. New York Belting and Packing Company, Limited. 75,707, Nov. 2, 1909. Republished Feb. 28.
Hose, Rubber. Peerless Rubber Manufacturing Company. 76,258, Dec. 28, 1909. Republished Feb. 28.
Tires and tubes. Pneumatic, tire flaps, fan belts, etc. The Fisk Rubber Company. 264,951, Dec. 10, 1929. Republished Feb. 28.

CLASS 36

Phonograph records, Mechanically grooved. Mus-Ed Record Co. 521,446, Feb. 28; Serial No. 541,320, published Nov. 30, 1948.

CLASS 37

Crayons. The American Crayon Company. 269,130, renewed Mar. 25, 1950. O. G. Feb. 28.
Crayons. The American Crayon Company. 269,135, renewed Mar. 25, 1950. O. G. Feb. 28.
Forms, Blank. Hart, Schaffner & Marx. 394,898, May 5, 1942. Canceled Jan. 26, 1950. O. G. Feb. 28.

CLASS 38

Books. Wonder Books, Inc. 521,428, Feb. 28; Serial No. 537,269, published Nov. 8, 1949.
Cards, Greeting, printed greeting folders, calendars, etc. Norcross, Inc. 521,696, Feb. 28; Serial No. 552,691.
Magazine. The Parents' Institute, Inc. 521,389, Feb. 28; Serial No. 511,897, published Nov. 22, 1949.
Magazine. E. A. Scott. 521,706, Feb. 28; Serial No. 567,117.
Magazine. Seminole Flavor Company. 521,615, Feb. 28; Serial No. 567,602, published Nov. 15, 1949.
Magazine. Ziff-Davis Publishing Company. 521,506, Feb. 28; Serial No. 555,228, published Nov. 8, 1949.
Magazine, House-organ. Ralston Purina Company. 521,495, Feb. 28; Serial No. 552,711, published Nov. 22, 1949.
Magazine, House-organ. Ralston Purina Company. 521,498, Feb. 28; Serial No. 553,519, published Nov. 22, 1949.
Magazine, Monthly. Barber-Hall Printing Company. 253,386, Feb. 26, 1929. Republished Feb. 28.
Magazine, Monthly. Ziff-Davis Publishing Company. 521,511, Feb. 28; Serial No. 531,748, published Nov. 22, 1949.
Newsletter. J. N. Berry. 521,707, Feb. 28; Serial No. 568,709.
Newspaper column. Sun and Times Co. 521,382, Feb. 28; Serial No. 485,199, published Nov. 8, 1949.
Newspapers. The Cleveland Company. 202,007, Aug. 11, 1925. Republished Feb. 28.
Newspapers, Weekly. E. N. Brown. 521,708, Feb. 28; Serial No. 571,508.
Periodical. Heyden Chemical Corporation. 521,535, Feb. 28; Serial No. 559,815, published Nov. 22, 1949.
Periodicals. Sutton Publishing Company, Inc. 521,693, Feb. 28; Serial No. 547,678.
Photographs, Commercial. The Photo-Matic Company. 521,595, Feb. 28; Serial No. 565,810, published Nov. 22, 1949.
Postcards, Picture. H. C. Daniels. 521,612, Feb. 28; Serial No. 567,239, published Nov. 22, 1949.
Prints, Contact. Spaulding-Moss Company. 261,351, renewed Sept. 17, 1949. O. G. Feb. 28.
Publication. Locker Management, Inc. 521,639, Feb. 28; Serial No. 569,163, published Nov. 22, 1949.
Publication, Annual. Breskin & Charlton Publishing Corporation. 270,354, renewed May 6, 1950. O. G. Feb. 28.
Publication, Monthly. Carson Pirie Scott & Co. 267,695, renewed Feb. 25, 1950. O. G. Feb. 28.
Publication, Monthly. Judy Publishing Company. 521,641, Feb. 28; Serial No. 569,273, published Nov. 22, 1949.
Publication, Monthly. Sun Oil Company. 521,645, Feb. 28; Serial No. 569,485, published Nov. 22, 1949.
Publication, Periodic. The Ashtabula Printing Company. 521,697, Feb. 28; Serial No. 554,759.
Publication, Periodical. Chicago Flexible Shaft Company. 401,235, May 4, 1943. Republished Feb. 28.
Publication, Periodical. Stardust, Incorporated. 521,637, Feb. 28; Serial No. 568,983, published Nov. 8, 1949.
Publications, Weekly. Catholic Intercontinental Press, Inc. 521,633, Feb. 28; Serial No. 568,580, published Nov. 8, 1949.
Reports, Engineering and technical, and instruction manuals. Engineering Research Associates, Inc. 521,628, Feb. 28; Serial No. 568,049, published Nov. 8, 1949.
Section and column in a periodical publication. Street & Smith Publication, Inc. 521,527, Feb. 28; Serial No. 558,079, published Nov. 8, 1949.
Section in a periodical. The Conde Nast Publications Inc. 521,709, Feb. 28; Serial No. 571,634.
Sections of periodical publications. The Bureau of National Affairs, Inc. 521,629, Feb. 28; Serial No. 568,095, published Nov. 1, 1949.
Series of cartoons. Mercury Advertising Agency, Inc. 521,626, Feb. 28; Serial No. 567,986, published Nov. 8, 1949.
Sheets of printed letters. Notogravure, Inc. 521,530, Feb. 28; Serial No. 558,805, published Nov. 22, 1949;

CLASS 39

Bathing suits. The Piqua Hosiery Co. 261,749, Sept. 24, 1949. Corrected. O. G. Feb. 28.
Brassières. Brooklyn Corset Company, Inc. 501,842, Aug. 24, 1948. New Certificate. O. G. Feb. 28.
Clothing, Work and play. The Unitog Manufacturing Company. 267,670, Feb. 25, 1930. Republished Feb. 28.
Dresses, blouses, and sweaters, Ladies' and Misses' knitted. Joseph Guttman & Bros. 521,692, Feb. 28; Serial No. 547,114.
Dresses, Children's. Kayaness Dress Company, Inc. 521,700, Feb. 28; Serial No. 559,712.
Footholds. United States Rubber Company. 264,383, Nov. 26, 1929. Republished Feb. 28.
Foundation garments, panties, corsets, etc. California Foundations, Inc. 521,695, Feb. 28; Serial No. 549,227.
Headwear for men and women. John Cavanagh, Ltd. 270,725, May 13, 1930. Amended. O. G. Feb. 28.
Heels, Rubber shoe. H. H. Smith. 521,688, Feb. 28; Serial No. 525,260.
Shirts and jackets, Men's and boys' sport. Troy Sportswear Co. 521,699, Feb. 28; Serial No. 555,464.
Shirts, Infants' and children's outer. The Little Shirt Co. 521,683, Feb. 28; Serial 522,900.
Shirts, Work, dungarees, overalls and coveralls. The Standard Overall Company. 521,681. Feb. 28; Serial No. 520,066.
Shoe coverings, Waterproof wrap-around. The Benton Thompson Co., Inc. 521,686, Feb. 28; Serial No. 524,106.
Shoes. The Beacon Falls Rubber Shoe Company. 263,101, Oct. 29, 1929. Republished Feb. 28.
Shoes. Cannon Shoe Company. 521,678, Feb. 28; Serial No. 515,070.
Shoes, Cannon Shoe Company. 521,679, Feb. 28; Serial No. 516,532.
Shoes. McBreen Shoe Co., Inc. 521,680, Feb. 28; Serial No. 519,023.

CLASS 42

Fabric, Woolen cloaking. Sanford Mills. 268,468, renewed Mar. 18, 1950. O. G. Feb. 28.
Fabrics. Celanese Corporation of America. 270,600, renewed May 13, 1950. O. G. Feb. 28.
Fabrics. Celanese Corporation of America. 270,700, renewed May 13, 1950. O. G. Feb. 28.
Fabrics in the piece, Textile. Wullschleger & Co. 521,691, Feb. 28; Serial No. 546,534.
Rugs and carpets. Edward Fields Company, Inc. 521,703, Feb. 28; Serial No. 566,698.
Rugs and carpets. Edward Fields Co., Inc. 521,704, Feb. 28; Serial No. 566,699.
Sheets, Bed, pillow cases, sheetings and muslins in the piece. Interstate Department Stores, Inc. 268,465, Mar. 18, 1930. Republished Feb. 28.

CLASS 44

Dental abrasive separating disks. The L. D. Caulk Company. 521,475, Feb. 28; Serial No. 550,018, published Nov. 15, 1949.
Dental alloys, Precious metal. Thomas J. Dee & Co. 521,406, Feb. 28; Serial No. 529,237, published Nov. 15, 1949.
Dental products. Nu-Dent Porcelain Studio, Inc. 443,787, Feb. 28; Serial No. 517,196, published Nov. 15, 1949.
Permanent wave apparatus, curler jackets, exothermic heating elements for the same, etc. Rilling Company. 521,529, Feb. 28; Serial No. 558,596, published Nov. 15, 1949.
Sanitary napkins and toothpicks. Clover Farm Stores Corporation. 521,507, Feb. 28; Serial No. 555,340, published Nov. 15, 1949.
Therapy machines, Short wave, and electrical surgical short wave tissue cutters. E. N. Molt. 443,784, Feb. 28; Serial No. 510,714, published Nov. 15, 1949.

CLASS 46

Alimentary pastes. C. F. Mueller Co. 521,423, Feb. 28; Serial No. 534,317, published Nov. 22, 1949.
Candy. M & M Limited. 418,332, Dec. 18, 1945. Amended. O. G. Feb. 28.
Candy. Norris, Inc. 263,719, renewed Nov. 12, 1949. O. G. Feb. 28.
Canned fish. General Fisheries Corporation. 255,525, Apr. 23, 1929. Republished Feb. 28.
Cereal, Wheat. H. H. Clapp. 266,559, renewed Jan. 28, 1950. O. G. Feb. 28.
Chewing gum. American Chewing Products Corp. 521,689, Feb. 28; Serial No. 539,474.
Creams and fondants, flour mixtures, etc. J. W. Allen & Co. 269,405, renewed Apr. 8, 1950. O. G. Feb. 28.

Fruits, Fresh citrus, and fresh vegetables. G. Shimamoto. 521,702, Feb. 28; Serial No. 561,642.
Fruits, Fresh deciduous, fresh cantaloupes, fresh vegetables. H. P. Garin Co. 268,172, renewed Mar. 11, 1950. O. G. Feb. 28.
Grapes, Fresh. Costa Bros. 521,504, Feb. 28; Serial No. 554,953, published Nov. 22, 1949.
Grapes, Fresh. The Newberg Vineyards. 521,393, Feb. 28; Serial No. 518,733, published Nov. 22, 1949.
Juices. D. E. Kastner. 338,791, Sept. 15, 1938. Canceled Jan. 20, 1950. O. G. Feb. 28.
Peanut butter and salted peanuts. Geo. Hogue Mercantile Co. 521,698, Feb. 28; Serial No. 554,896.
Salad dressing. M. L. Inman. 521,701, Feb. 28; Serial No. 561,241.
Stabilizer for ice cream, sherbets, and ices. Virginia Dare Extract Company, Inc. 265,165, renewed Dec. 17, 1949. O. G. Feb. 28.
Vegetables, Fresh. E. D. Wofford. 406,686, Apr. 18, 1944. New certificate. O. G. Feb. 28.
Vegetables, Fresh, and fresh melons. Eaton Fruit Company, Inc. 521,481, Feb. 28; Serial No. 550,903, published Nov. 22, 1949.
Vegetables, Fresh, and watermelons. S. M. Jones. 521,413, Feb. 28; Serial No. 532,596, published June 21, 1949.
Vinegar, White distilled, corn sugar vinegar, compound sugar vinegar, etc. National Vinegar Company. 521,447, Feb. 28; Serial No. 541,325, published Nov. 22, 1949.
Wafers, Sugar. National Biscuit Company. 75,811, renewed Nov. 16, 1949. O. G. Feb. 28.
Yeast, Irradiated dry. Standard Brands Incorporated. 521,518, Feb. 28; Serial No. 556,993, published Nov. 22, 1949.

CLASS 47

Wines. A. Porte. 305,920, Aug. 29, 1933. New certificate. O. G. Feb. 28.

CLASS 48

Beer. The Cleveland & Sandusky Brewing Company. 108,125, Jan. 18, 1916. Amended. O. G. Feb. 28.
Beer. The Cleveland & Sandusky Brewing Company. 119,660, Dec. 11, 1917. Amended. O. G. Feb. 28.

CLASS 50

Bases for floral designs. R. C. Melander. 521,630, Feb. 28; Serial No. 568,266, published Oct. 25, 1949.
Boot jacks and combined boot jacks and mud scrapers. M. H. Johnstone. 521,607, Feb. 28; Serial No. 566,883, published Oct. 25, 1949.
Caps and lids, Jar. Kerr Glass Manufacturing Corporation. 521,418, Feb. 28; Serial No. 533,170, published Oct. 25, 1949.
Caps, Bottle. Williams Sealing Corporation. 267,854, Mar. 4, 1930. Republished Feb. 28.
Covers, Bowl, cylindrical open bottom covers, etc. Boland Mfg. Co. 521,450, Feb. 28; Serial No. 541,804, published Oct. 25, 1949.
Felt, Dry, partially impregnated, and fully impregnated with asphalt, natural or artificial. Congoleum-Nairn, Inc. 521,471, Feb. 28; Serial No. 548,789, published Oct. 25, 1949.
Hangers, Garment. B. T. Petty. 521,550, Feb. 28; Serial No. 561,765, published Oct. 25, 1949.
Kits, Auto painting. The Arco Company. 521,463, Feb. 28; Serial No. 546,748, published Oct. 4, 1949.
Mats, Woodlink floor. Hough Shade Corporation. 521,608, Feb. 28; Serial No. 567,023, published Oct. 25, 1949.
Monuments and memorials, Granite. C. Frank. 521,644, Feb. 28; Serial No. 569,369, published Oct. 25, 1949.
Numbers, Bronze house. Macklanburg-Duncan Company. 260,673, Aug. 27, 1929. Republished Feb. 28.
Order board, Dairy products. K. D. Nelson. 521,534, Feb. 28; Serial No. 559,314, published Oct. 25, 1949.
Ornaments, Christmas tree. J. F. Reich. 521,536, Feb. 28; Serial No. 559,861, published Oct. 25, 1949.
Rubber sheeting, Synthetic. W. R. Grove. 521,554, Feb. 28; Serial No. 562,260, published Oct. 18, 1949.
Scaffolds. The Patent Scaffolding Co., Inc. 521,510, Feb. 28; Serial No. 555,899, published Oct. 4, 1949.
Sheets of plastic material. A. Weitzman. 521,491, Feb. 28; Serial No. 552,403, published Oct. 4, 1949.
Shoe lasts. Vulcan Corporation. 521,559, Feb. 28; Serial No. 563,230, published Oct. 25, 1949.
Sponge rubber strip adhesively coated. Durkee-Atwood Company. 521,451, Feb. 28; Serial No. 541,819, published Oct. 25, 1949.
Stretchers, Dolly. E. A. Bartsch. 521,455, Feb. 28; Serial No. 543,409, published Oct. 25, 1949.
Tags, Livestock brand. David Fearing Company. 521,412, Feb. 28; Serial No. 532,284, published Oct. 25, 1949.
Tarpaulins and canvas covers. Fulton Bag & Cotton Mills. 443,796, Feb. 28; Serial No. 523,258, published Oct. 18, 1949.
Tarpaulins and canvas covers. Fulton Bag & Cotton Mills. 443,797, Feb. 28; Serial No. 523,259, published Oct. 25, 1949.
Utensils, Cast aluminum cooking. Club Aluminum Products Company. 521,431, Feb. 28; Serial No. 537,989, published Oct. 18, 1949.

CLASS 51

Cold creams, cleansing creams, refreshing creams, etc. Plexo Preparations, Inc. 267,974, renewed Mar. 4, 1950. O. G. Feb. 28.
Cologne, face cream, face powder, etc. Merle Norman Cosmetics, Inc. 521,472, Feb. 28; Serial No. 549,164, published Nov. 15, 1949.
Cosmetic preparations, beautifying preparations, etc. P. Mülhens. 265,197, renewed Dec. 17, 1949. O. G. Feb. 28.
Dentifrices, talcums, saccharine, etc. The Sydney Ross Co. 269,454–5, renewed Apr. 8, 1950. O. G. Feb. 28.
Face powder, dusting powder, toilet water, etc. Coty, Inc. 443,781–2, Feb. 28; Serial Nos. 508,142–3, published Nov. 1, 1949.
Hair waving lotion. Lady Olivia, Inc. 521,600, Feb. 28; Serial No. 566,465, published Nov. 15, 1949.
Lipstick, face creams, vanishing creams, etc. A. Treu. 443,783, Feb. 28; Serial No. 510,132, published Nov. 22, 1949.
Perfume. Chanel, Inc. 521,483, Feb. 28; Serial No. 551,168, published Nov. 15, 1949.
Perfume, skin lotions, skin creams, etc. Dr. N. G. Payot du Laboratoires. 443,780, Feb. 28; Serial No. 506,174, published Nov. 22, 1949.
Perfume, toilet water, and lipsticks. Georg Jensen, Inc. 521,386, Feb. 28; Serial No. 505,109, published Nov. 15, 1949.
Perfumery. J. Palazzolo. 75,771, re-renewed Nov. 16, 1949. O. G. Feb. 28.
Perfumes and toilet waters. Lanvin-Parfums, Inc. 521,642, Feb. 28; Serial No. 569,276, published Nov. 15, 1949.
Perfumes and toilet waters. E. A. Welters. 268,704, renewed Mar. 18, 1950. O. G. Feb. 28.
Perfumes, face creams, rouge, etc. Societe Anonyme Bienaime. 521,464, Feb. 28; Serial No. 547,158, published Oct. 25, 1949.
Perfumes, face creams, rouge, etc. Societe Anonyme Bienaime. 521,465, Feb. 28; Serial No. 547,162, published Oct. 25, 1949.
Petroleum jelly, perfumed petroleum jelly, medicated petroleum jellies, etc. Chesebrough Manufacturing Company, Consolidated. 443,792, Feb. 28; Serial No. 519,628, published July 20, 1948.
Sachet cream, Perfumed. Interstate Sales Company. 521,570, Feb. 28; Serial No. 563,930, published Nov. 22, 1949.
Scalp oil. E. W. Hill. 521,568, Feb. 28; Serial No. 563,784, published Nov. 15, 1949.
Shaving cream. Mark W. Allen & Co. 269,075, Mar. 25, 1930. Republished Feb. 28.
Soaps, Toilet and shaving, and liquid and powdered shampoo preparations. Perfumeria Gal, S. A. 521,525, Feb. 28; Serial No. 557,767, published Oct. 25, 1949.
Tooth paste and antiseptic lozenges. Sharp & Dohme, Incorporated. 269,664, renewed Apr. 15, 1950. O. G. Feb. 28.

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Alkali powders, Dry, soluble. The J. B. Ford Company. 77,375, re-renewed Apr. 5, 1950. O. G. Feb. 28.
Cleaning solution or compound. Pine-O-Pine Company of Texas. 521,611, Feb. 28; Serial No. 567,151, published Nov. 15, 1949.
Cleanser, Powdered. Wetalene Laboratories, Inc. 443,788, Feb. 28; Serial No. 517,679, published Apr. 20, 1948.
Hydrocarbon solvent. Circo Products Company. 521,395, Feb. 28; Serial No. 520,379, published Nov. 22, 1949.
Lighter fluid usable as a spot remover. The Southland Company. 521,479, Feb. 28; Serial No. 550,626, published Nov. 22, 1949.
Soap, Hand and bath. The Armand Company. 521,508, Feb. 28; Serial No. 555,478, published Oct. 18, 1949.
Soap, soap powders, and washing powders. Iowa Soap Company. 264,326, Nov. 26, 1929. Republished Feb. 28.
Soaps, Hair, hand soaps, and hand cleaners. John H. Breck, Inc. 521,473, Feb. 28; Serial No. 549,704, published Oct. 18, 1949.
Wetting agent to be admixed with cleaning solvents. State Chemical Company, Inc. 521,676, Feb. 28; Serial No. 504,302.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Baker, Albert L., Summit, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Insulation lining for conduits. Re. 23,199, Feb. 28.

Hammond Instrument Company, assignee: *See*—
Hammond, Laurens.

Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. Re. 23,200, Feb. 28.

Kellogg, M. W., Company, The, assignee: *See*—
Baker, Albert L.

Price, Manley R., Lakewood, Ohio. Screw driver. Re. 23,201, Feb. 28.

LIST OF PLANT PATENTEES

Reiter, Victor, Jr., San Francisco, Calif. Fuchsia plant. 925, Feb. 28.

LIST OF DESIGN PATENTEES

Adler, Marsh, assignor to Deauville Models, Inc., Los Angeles, Calif. Blouse. 157,461, Feb. 28.

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Television cabinet. 157,462, Feb. 28.

Admiral Corporation, assignee: *See*—
Adler, Samuel E.

Alexander, Arthur F., Cleveland, Ohio. Cooky baker. 157,463, Feb. 28.

Alfra Manufacturing Corporation, assignee: *See*—
Doux, Alfred W.

Bell & Howell Company, assignee: *See*—
Perzentka, Thomas R.

Biggs, Earl R., Portland, Oreg. Bollback toy. 157,464, Feb. 28.

Biro Manufacturing Company, assignee: *See*—
Biro, Vincent G.

Biro, Vincent G., Lakeside, assignor to Biro Manufacturing Company, Marblehead, Ohio. Meat chopper. 157,465, Feb. 28.

Bornstein, Joseph, Brookline, assignor to Simplex Metal Products Co., Boston, Mass. Rack for towels and the like. 157,466, Feb. 28.

Brodton, Lynn, New York, N. Y. Compact. 157,467, Feb. 28.

Burger, Charles H., assignor to Dermetics, Inc., New York, N. Y. Assembled display package. 157,468, Feb. 28.

Calissi, Paul C., Darby, Pa. Portable electric lamp. 157,469, Feb. 28.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Shepard, Ernest L.

Castleton China Incorporated, assignee: *See*—
Yee, Ching-Chih.

Commonwealth Plastics, Inc., assignee: *See*—
Jones, Charles E.

Dana Perfumes, Inc., assignee: *See*—
Teague, James.

Darr, Harold W., assignor to Phillips Manufacturing Company, Inc., Minneapolis, Minn. Gun-type soldering iron. 157,470, Feb. 28.

Dearborn Stove Company, assignee: *See*—
Faber, Guy S.

Deauville Models, Inc., assignee: *See*—
Adler, Marsh.

Deluxe Engraving Co., assignee: *See*—
Franklin, Donald.

Dermetics, Inc., assignee: *See*—
Burger, Charles H.

Doux, Alfred W., assignor to Alfra Manufacturing Corporation, New York, N. Y. Casing for a writing instrument. 157,471, Feb. 28.

Dow Corning Corporation, assignee: *See*—
Kilner, Janet C.

Drazan, Gerald, Spokane, Wash. Calendar case. 157,472, Feb. 28.

Engler, John F., Houston, Tex. Spray gun frame. 157,473, Feb. 28.

Enterprise Manufacturing Co., The, assignee: *See*—
Wormeck, Herbert A., and Hess.

Fabart Instrument Company, assignee: *See*—
Fabrice, Edward H.

Faber, Guy S., Chicago, Ill., assignor to Dearborn Stove Company. Fan. 157,474, Feb. 28.

Fabrice, Edward H., assignor to Fabart Instrument Company, Chicago, Ill. Receptacle sealing cap. 157,475, Feb. 28.

Fantaccione, Luca, Attleboro, Mass. Faceplate for a belt buckle or the like. 157,476, Feb. 28.

Fantaccione, Luca, Attleboro, Mass. Faceplate for a belt buckle or the like. 157,477, Feb. 28.

Farkas, John, Jr., Chicago, Ill. Chair. 157,478, Feb. 28.

Fetterer, Ellie M., Sheboygan, Wis. Sachet. 157,479, Feb. 28.

Foss, Samuel D., assignor to Nichols-Foss Packing Co., Bay City, Mich. Grill. 157,480, Feb. 28.

Fostoria Glass Company, assignee: *See*—
Heintze, Walter T.

Foulke, Louise M. J., Brooklyn, N. Y. Pot scraper. 157,481, Feb. 28.

Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Tool cabinet. 157,482, Feb. 28.

Franklin, Donald, assignor to D. and S. Franklin, co-partners, doing business as DeLuxe Engraving Co., Chicago, Ill. Cigarette package holder. 157,483, Feb. 28.

Franklin, Stephens, assignee: *See*—
Franklin, Donald.

Gade, Harald F., Philadelphia, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Nut. 157,484, Feb. 28.

Gammon, La Vergne, Bogota, N. J. Hat or the like. 157,485, Feb. 28.

Glowacki, Matthew P., Chicago, Ill. Filter for coffee makers. 157,468, Feb. 28.

Goodman, Harry, Britton, and R. M. Wolfe, assignors to Little Giant Vaporizer Co., Inc., Oklahoma City, Okla. Baking pan for corn sticks, or the like. 157,487, Feb. 28.

Graf, John, Company, assignee: *See*—
Graf, Laurie O.

Graf, Laurie O., Wauwatosa, assignor to John Graf Company, Milwaukee, Wis. Bottle. 157,488, Feb. 28.

Heiman, Jordan L., St. Louis, Mo. Corner-positionable heater casing. 157,489, Feb. 28.

Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Cocktail mixer. 157,490, Feb. 28.

Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Highball glass. 157,491, Feb. 28.

Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Cocktail glass. 157,492, Feb. 28.

Hess, Frederick P.: *See*—
Wormeck, Herbert A., and Hess.

Hood, Percy W., and R. Moorman, Gloucester, Va. Leg stool. 157,493, Feb. 28.

How, Roger F., and D. S. Whitnah, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sound recording tape reel. 157,494, Feb. 28.

Howe, Charles A., assignor to Howe Products, Incorporated, Chicago, Ill. Candy package. 157,495, Feb. 28.

Howe Products, Incorporated, assignee: *See*—
Howe, Charles A.

Hoyt, Lloyd D., Northfield, Ill. Toy figure. 157,496, Feb. 28.

International Business Machines Corporation, assignee: *See*—
Kress, George H., and Sundberg.
Jones, Charles E., assignor to Commonwealth Plastics, Inc., Chicago, Ill. Combined wall plaque and condiment shaker unit. 157,497, Feb. 28.
Kestenbaum, Howard, Great Neck, N. Y. Perfume container. 157,498, Feb. 28.
Kliner, Janet C., Romeo, assignor to Dow Corning Corporation, Midland, Mich. Rubber sheeting. 157,499, Feb. 28.
King, Walton O., Mount Clemens, Mich. Game board. 157,500, Feb. 28.
Kisling, Jacob W., St. Louis, Mo. Air circulator unit. 157,501, Feb. 28.
Klotz, Murray, New York, N. Y. Combined vanity case and lipstick holder. 157,502, Feb. 28.
Knapp-Monarch Company, assignee: *See*—
Pass, Israel.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Card reader for a computing machine. 157,503, Feb. 28.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Printer for a computing machine. 157,504, Feb. 28.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Card punch for a computing machine. 157,505, Feb. 28.
Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines, Corporation, New York, N. Y. Console for a computing machine. 157,506, Feb. 28.
Lecomte, Germaine, assignor to Parfums Germaine Lecomte Societe a Responsabilite Limitee, Paris, France. Perfume container. 157,507, Feb. 28.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P.
Little Giant Vaporizer Co., Inc., assignee: *See*—
Goodman, Harry, and Wolfe.
Minnesota Mining & Manufacturing Company, assignee: *See*—
How, Roger F., and Whitnah.
Missouri Automatic Control Corporation, assignee: *See*—
Roos, Joe, Jr.
Montenier, Jules B., Chicago, Ill. Flexible spray bottle. 157,508, Feb. 28.
Moorman, Roger: *See*—
Hood, Percy W., and Moorman.
Naiden, Anthony, Southwick, Mass., assignor to Westinghouse Electric Corporation. Food mixer or the like. 157,509, Feb. 28.
Naiden, Anthony, Southwick, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power unit for a food mixer or the like. 157,510, Feb. 28.
Nichols-Foss Packing Co., assignee: *See*—
Foss, Samuel D.
Nulty, William B., trustee, assignee: *See*—
Shepard, Ernest L.
Parentice, Jess L., assignor to Shawnee Pottery Company, Zanesville, Ohio. Cooky jar. 157,511, Feb. 28.
Parfums Germaine Lecomte Societe a Responsabilite Limitee, assignee: *See*—
Lecomte, Germaine.
Pass, Israel, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric room heater or similar article. 157,512, Feb. 28.
Pepper, Charles W., Denver, Colo. Tobacco pipe. 157,513, Feb. 28.
Perwas, Ludwig F., Bronx, N. Y. Fountain toothbrush. 157,514, Feb. 28.
Perzentka, Thomas R., assignor to Bell & Howell Company, Chicago, Ill. Feed chute and control panel carrying member for a microfilm recorder or the like. 157,515, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,516, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,517, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,518, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,519, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,520, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,521, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,522, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,523, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,524, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,525, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,526, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 157,527, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,528, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,529, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,530, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 157,531, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 157,532, Feb. 28.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 157,533, Feb. 28.
Phillips Manufacturing Company, Inc., assignee: *See*—
Darr, Harold W.
Price, George L., Great Neck, N. Y. Combination pencil box, ruler, and pencil sharpener. 157,534, Feb. 28.
Quick, William G., Daisy, Tenn. Balancing toy. 157,535, Feb. 28.
Reisert, August D.: *See*—
Fox, Alexander P., and Reisert.
Richardson, Joseph B., Norfolk, Va. Coaster. 157,536, Feb. 28.
Roos, Joe, Jr., assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Casing for a thermostat, or the like. 157,537, Feb. 28.
Rossi, Louis, Bronx, N. Y. Cigarette dispenser, or the like. 157,538, Feb. 28.
Rosten, Jay, Brooklyn, N. Y. Bicycle hub. 157,539, Feb. 28.
Shawnee Pottery Company, assignee: *See*—
Parentice, Jess L.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pack for fragile articles. 157,540, Feb. 28.
Simplex Metal Products Co., assignee: *See*—
Bornstein, Joseph.
Spagnoli, Paul, San Francisco, Calif. Mattress. 157,541, Feb. 28.
Spezzano, Frank M., Bristol, Pa. Lamp. 157,542, Feb. 28.
Gade, Harald F.
Standard Pressed Steel Co., assignee: *See*—
Gade, Harald F.
Sundberg, Carl W.: *See*—
Kress, George H., and Sundberg.
Tant, Angeline: *See*—
Tant, Jules and A.
Tant, Jules and A., St. Charles, Ill. Container for holding and dispensing packaged cigarettes. 157,543, Feb. 28.
Teague, James, assignor to Dana Perfumes, Inc., Chicago, Ill. Perfume bottle. 157,544, Feb. 28.
Temmer, Jack G., Appleton, Wis. Holder for vacuum coffee makers. 157,545, Feb. 28.
Trabert, Frank J., Los Angeles, Calif. Tie rack or similar article. 157,546, Feb. 28.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Versen, Kurt, Tenafly, N. J. Fluorescent lighting fixture. 157,547, Feb. 28.
Versen, Kurt, Tenafly, N. J. Table lamp. 157,548, Feb. 28.
Walls, George V., Littleton, Colo. Shoe heel. 157,549, Feb. 28.
Walls, George V., Littleton, Colo. Shoe sole. 157,550, Feb. 28.
Walls, George V., Littleton, Colo. Shoe sole. 157,551, Feb. 28.
Walls, George V., Littleton, Colo. Shoe heel. 157,552, Feb. 28.
Westinghouse Electric Corporation, assignee: *See*—
Naiden, Anthony.
Whitnah, Donald S.: *See*—
How, Roger F., and Whitnah.
Wolfe, Ralph M.: *See*—
Goodman, Harry, and Wolfe.
Wormeck, Herbert A., and F. P. Hess, assignors to The Enterprise Manufacturing Co., Philadelphia, Pa. Food chopper. 157,553, Feb. 28.
Yee, Ching-Chih, assignor to Castleton China Incorporated, New York, N. Y. Plate or the like. 157,554, Feb. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, John H., assignor to Utility Appliance Corp., Los Angeles, Calif. Welding apparatus. 2,498,905, Feb. 28.
Accles & Pollock Limited, assignee: *See*—
Wagg, Reginald, and Bayliss.
Acme Visible Records, Inc., assignee: *See*—
Hall, Marchand B.
Aerotec Corporation, The, assignee: *See*—
Watson, John E., and McBride.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Badgett, Charles O., and Woodward.
Emerson, Oliver H.
Mast, William C.
Ahlport, Brodie E., Los Angeles, Calif. Backflow prevention valve. 2,498,631, Feb. 28.
Aiken, Daymond J., Lockport, Ill. Combination chart rack and chalk board. 2,499,200, Feb. 28.
Air Force, United States of America as represented by the Secretary of, assignee: *See*—
McLean, William B., and Swift.
Welsh, James P., and Jewett.
Aktiebolaget Ljungmans Verkstader, assignee: *See*—
Olsson, Birger S.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Pfenninger, Hans.
Aktiengesellschaft fuer Technische Studien, assignee: *See*—
Keller, Curt.
All American Airways, Inc., assignee: *See*—
Gottschall, Clarence R.
Alliance Manufacturing Company, The, assignee: *See*—
Jordan, Richard H.
Allied Chemical & Dye Corporation, assignee: *See*—
Calfee, John D., and Florio.
Conrad, Karl F.
Cosby, John N., and Erchak, Jr.
Peirce, John E.
Allied Control Company, Inc., assignee: *See*—
Steinback, Herbert D.
American Cyanamid Company, assignee: *See*—
Migrdichian, Vartkes.
Scalera, Mario.
American Enka Corporation, assignee: *See*—
Weeldenburg, Johannes G.
American Seating Company, assignee: *See*—
Roman, John J.
American Steel Foundries, assignee: *See*—
Kinne, Edmund P.
American Wheelabrator & Equipment Corporation, assignee: *See*—
Dorfan, Morton I.
Ames Spot Welder Co., Inc., assignee: *See*—
Stoudt, Bernard.
Anderson, William H., Elkridge, and D. S. Shingler, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manual and self-adjusting heating-electrode structure for dielectric heating. 2,498,632, Feb. 28.
Apperson, Richard D., Lynchburg, Va. Apparatus for handling the shipment of goods in bulk. 2,498,906, Feb. 28.
Appliance Corporation of America, assignee: *See*—
Horvath, John F.
Ardell, Edgar: *See*—
Fischer, Paul E., and Ardell.
Armitage, Joseph B., and T. F. Eserkaln, Wauwatosa, assignors to Kerney & Trecker Corporation, West Allis, Wis. Backlash compensator. 2,498,870, Feb. 28.
Armstrong Cork Company, assignee: *See*—
Baymiller, John W.
Eaby, Le Roy.
Gaenzle, Luther E.
Armstrong, Leonard J.: *See*—
De Benneville, Peter L., Armstrong, and Bock.
Arquet, Maurice, Paris, and P. Charpentier, Choisy-le-Roi, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of aryl sulfonyl thioureas. 2,498,782, Feb. 28.
Arthur, Robert A., Santa Monica, assignor to The Garrett Corporation, Los Angeles, Calif. Differential and ratio control. 2,498,633, Feb. 28.
Ashworth, Handel, and F. P. Healy, Baldwin, N. Y. Self-basting frying pan. 2,499,083, Feb. 28.
Atwood, John B., and F. J. W. Schoenborn, Riverhead, N. Y., assignors to Radio Corporation of America. Radio frequency shielded switch. 2,498,907, Feb. 28.
Aubert, Roger, Paris, France, assignor to Societe Francaise Radio Electrique. Frequency modulating system. 2,499,014, Feb. 28.
Autogiro Company of America, assignee: *See*—
Pitcairn, Harold F.
Automatic Electric Laboratories Inc., assignee: *See*—
Saville, Willie, and Roseby.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Frydman, Emanuel.
Auto Specialties Manufacturing Company, assignee: *See*—
Mueller, Joseph J.
Backhouse, Headley T., Wentworth, England. Front edge detector mechanism. 2,499,125, Feb. 28.
Backus, John G., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vacuum analyzer. 2,499,288, Feb. 28.
Backus, John G., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion generator. 2,499,289, Feb. 28.
Badertscher, Darwin E., and C. F. Feasley, Woodbury, and H. G. Berger, Glen Rock, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricating oil composition. 2,498,863, Feb. 28.
Badertscher, Darwin E., and C. F. Feasley, Woodbury, and H. G. Berger, Glen Rock, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Aliphatic trithiocarbonates. 2,498,936, Feb. 28.
Badgett, Charles O., Glenside, and C. F. Woodward, Abington, Pa., assignor to The United States of America as represented by the Secretary of Agriculture. Nicotinic acid anhydride. 2,498,634, Feb. 28.
Bahan, Edward F., administrator: *See*—
Bahan, William H.
Bahan, William H., Greenville, S. C.; E. F. Bahan, administrator of said W. H. Bahan, deceased. Crankshaft mounting for looms. 2,499,050, Feb. 28.
Bahnson, Agnew H., Jr., assignor to K. K. Bahnson, Winston-Salem, N. C. Spray nozzle. 2,499,084, Feb. 28.
Bahnson, Katherine K., assignee: *See*—
Bahnson, Agnew H., Jr.
Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Duplex radio system. 2,498,635, Feb. 28.
Baker, Ralph B., assignor to Southern Mills, Incorporated, Atlanta, Ga. Ironer roll cover. 2,499,015, Feb. 28.
Baker, Wedworth V., assignor to Detroit Sheet Metal Works, Detroit, Mich. Air washer. 2,498,718, Feb. 28.
Bakula, Walter M., Denver, Colo. Coaster wagon. 2,499,085, Feb. 28.
Balasquide, José E., Ponce, P. R. Machine for molding articles. 2,499,209, Feb. 28.
Baldinger, Ernst, Basel, Switzerland. Electronic impulse counting circuit. 2,498,908, Feb. 28.
Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Rotary valve internal-combustion engine. 2,498,846, Feb. 28.
Bantar, Incorporated, assignee: *See*—
McBride, John W.
Bardelmeier, Julius E.: *See*—
Warner, Floyd F., Brooks, and Bardelmeier.
Barrell, Robert W., Erie, Pa., assignor to General Electric Company. Radiator cooling system, temperature control. 2,499,176, Feb. 28.
Barrett, Harry B., St. Louis, Mo. Apparatus for securing lining material to brake shoes. 2,498,937, Feb. 28.
Barron, Margaret, Brooklyn, N. Y. Ornamental ear clip. 2,498,748, Feb. 28.
Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Film drive filter. 2,499,210, Feb. 28.
Bartz, Quentin R., assignor to Parke, Davis & Company, Detroit, Mich. Preparing penicillin. 2,499,290, Feb. 28.
Bascom, Carlton H.: *See*—
Robinson, Thomas, and Bascom.
Bassett, Dewey M., and G. A. Langston, Dayton, Ohio. Electronic multiple pulse generator. 2,498,636, Feb. 28.
Bassichis, William M., Cleveland Heights, assignor to Convenient Carrier Corporation, Cleveland, Ohio. Bottle carrier. 2,499,126, Feb. 28.
Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Proximity communication system with Wheatstone bridge detector. 2,499,177, Feb. 28.
Baumann, Jean, Geneva, Switzerland. Device for peeling potatoes. 2,499,291, Feb. 28.
Bay, Thomas J., U. S. Navy. Engine cooling apparatus. 2,498,637, Feb. 28.
Bayliss, Charles H.: *See*—
Wagg, Reginald, and Bayliss.
Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Cork compositions. 2,498,638, Feb. 28.
Beach, Clarence E., Binghamton, N. Y. Signal manifesting and/or repeating equipment common to a group of code signal originating circuits. 2,498,639, Feb. 28.

Beard, Joseph G., Haddonfield, N. J., and R. F. Dressler, Philadelphia, Pa., assignors to Radio Corporation of America. Phase detection and tuner control system. 2,498,871, Feb. 28.
Beard, Noah B., Oklahoma City, Okla. Breeze director. 2,499,127, Feb. 28.
Beaver, Hartsell W. assignor to Turner Manufacturing Company, Statesville, N. C. Raking and loading means for peanut harvesters. 2,499,051, Feb. 28.
Bechler, André, Moutier, Switzerland. Automatic lathe. 2,498,783, Feb. 28.
Beck, Robert C., Los Angeles, Calif. Photographic flash lighting apparatus. 2,498,640, Feb. 28.
Becker, Joseph, Pittsburgh, Pa., assignor to Koppers Company, Inc. Horizontal coke oven method. 2,498,784, Feb. 28.
Beckwith, George M., U. S. Navy. Astronomical device. 2,498,641, Feb. 28.
Bell Electric Company, assignee: *See*—
Bellek, Frank G.
Bell, Richmond T., and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Mercaptan synthesis. 2,498,872, Feb. 28.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Green, Estill I.
Quarles, Donald A.
Bellek, Frank G., assignor to Bell Electric Company, Chicago, Ill. Electrical receptacle. 2,498,642, Feb. 28.
Bellek, Frank G., assignor to Bell Electric Company, Chicago, Ill. Electrical receptacle. 2,498,643, Feb. 28.
Bendix Aviation Corporation, assignee: *See*—
Haas, Harold G.
Stuart, Alfred A., Jr.
Bennett, Bailey, and G. H. McFadden, Columbus, and J. F. Lyman, Westerville, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Rubber article and making same. 2,498,785, Feb. 28.
Bennett, Charles E., Ridgewood, and R. V. White, Waldwick, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Apparatus for installing electric power cables. 2,498,834, Feb. 28.
Bennett, Laurence R.: *See*—
Bowling, Robert B., and Bennett.
Benson, Carl H., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Forearm for firearms. 2,498,749, Feb. 28.
Bentley, Lewin, Chilliwack, British Columbia, Canada. Lawn mower sharpener. 2,498,938, Feb. 28.
Berger, Henry G.: *See*—
Badertscher, Darwin E., Feasley, and Berger.
Berry, Theodore M., Schenectady, and H. L. Clark, Ballston Lake, N. Y., assignors to General Electric Company. Curve follower. 2,499,178, Feb. 28.
Bertholin, Paul, New York, N. Y. Vibrating apparatus for treating human bodies. 2,498,977, Feb. 28.
Billings, William A., London, England, assignor to International Standard Electric Corporation. Manufacturing a metal to glass seal. 2,498,644, Feb. 28.
Birnbaum, Leo S., Newark, J. H. Prichard, Springfield, and W. D. Palst, Orange, N. J., assignors to Celanese Corporation of America. Plasticized cellulose propionate. 2,498,750, Feb. 28.
Birnkrant, Betty W. and S. H., Brooklyn, N. Y. Detachable button set. 2,499,086, Feb. 28.
Birnkrant, Samuel H.: *See*—
Birnkrant, Betty W. and S. H.
Bishop, G. H., Company, assignee: *See*—
Freeman, David A.
Suhajda, Emil.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Coupling mechanism for tractor-trailer combination. 2,498,847, Feb. 28.
Black, William E., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Method of and apparatus for shearing fins from ingots. 2,499,292, Feb. 28.
Blaw-Knox Company, assignee: *See*—
Jones, Wendell W.
Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Spring seat and equalizer lifting means. 2,499,293, Feb. 28.
Blue, Roy E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Bearing and making the same. 2,498,873, Feb. 28.
Bobby, Frederick J., Berkeley, assignor to The Union Ice Company, San Francisco, Calif. Making ice. 2,498,645, Feb. 28.
Bobier, Wilfred S., Jr., Grosse Pointe Woods, Mich., assignor to G. M. and E. Holley. Gas turbine tail burner fuel control. 2,498,939, Feb. 28.
Bock, Louis H.: *See*—
De Benneville, Peter L., Armstrong, and Bock.
De Benneville, Peter L., and Bock.
Bock, Louis H., Huntingdon Valley, and P. L. de Benneville, assignors to Rohm & Haas Company, Philadelphia, Pa. Coupling 3,5-dimethylphenylmethyl ethers of cellulose with diazonium salts. 2,498,874, Feb. 28.
Bock, Louis H., Huntingdon Valley, and P. L. de Benneville, assignors to Röhm & Haas Company, Philadelphia, Pa. Coloring cellulosic materials with diazonium salts and naphthyl ethers. 2,498,875, Feb. 28.
Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Support for food storage receptacles. 2,499,179, Feb. 28.
Bondurant, Carlton W.: *See*—
Eden, William C., and Bondurant.
Bonner, Otto H., Lakewood, Ohio. Sash hanger. 2,498,978, Feb. 28.
Borg-Warner Corporation, assignee: *See*—
Neumann, George R., Farrell and Effinger.
Sheppard, William L.
Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Communication system. 2,499,180, Feb. 28.
Bost, Henry A.: *See*—
Hathaway, Stanley and Bost.
Bouchard, Orezul, Kirkland Lake, Ontario, Canada. Portable log-debarker having swingable frame mounting a driven feed wheel. 2,498,786, Feb. 28.
Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand, France. Elastic pivot for railroad and the like vehicles. 2,499,087, Feb. 28.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Water separator silencer. 2,498,979, Feb. 28.
Bournique, Clarence E.: *See*—
Molyneux, John C., and Bournique.
Bouvier, Maurice E., St.-Didier au Mont d'Or, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. 4-Methylene amino-pyrazolone derivative. 2,499,265, Feb. 28.
Bowen, Robert E., assignor to North Carolina Pulp Company, Plymouth, N. C. Stock controller. 2,498,876, Feb. 28.
Bowling, Robert B., and L. R. Bennett, assignors, by direct and mesne assignments, of one-half to said Bowling and one-half to Frank Coures, Hamilton, Ohio. Self-feeding applicator. 2,498,980, Feb. 28.
Bowsman, Harry O., Elgin, Ill. Furnace, including ash-pit air pressure responsive grate dumping means. 2,498,787, Feb. 28.
Boxer, Martin W., Bronx, N. Y. Gear pump type variable speed liquid drive. 2,498,733, Feb. 28.
Boyden, J. Hanson, assignee: *See*—
Nicholason, Emmett.
Bozanich, Louie P., Seattle, Wash. Washing and drying machine with fluid impeller. 2,498,734, Feb. 28.
Bradley, Stephen D., Grosse Pointe Farms, assignor to Detroit Macoid Corporation, Detroit, Mich. End cap for Venetian blind slats. 2,498,909, Feb. 28.
Bradley Washfountain Co., assignee: *See*—
Mullett, Howard G., and Wachter, Jr.
Brandt, Robert J., Hollywood, Calif. Filter frame with hinged clips therefor. 2,499,294, Feb. 28.
Brasch, Arno, Brooklyn, assignor, by mesne assignments, to Electronized Chemicals Corporation, New York, N. Y. Electronic aging of alcoholic beverages. 2,498,735, Feb. 28.
Bremer, Norman C., assignor to Morse Chain Company, Ithaca, N. Y. Timing chain. 2,498,788, Feb. 28.
Briggs Manufacturing Company, assignee: *See*—
Ball, Albert P.
Doty, Clifford B.
Krajenka, Casimir J.
Vigmostad, Trygve.
Brill, Edward F., and O. Schroeder, Milwaukee, Wis., said Schroeder assignor to said Brill. Refrigerated display case. 2,499,088, Feb. 28.
Brill, Edward F., and O. Schroeder, Milwaukee, Wis., said Schroeder assignor to said Brill. Refrigerated display case. 2,499,089, Feb. 28.
Brogdex Company, assignee: *See*—
Miller, Walter E.
Brookins, Richard N., South Gate, assignor to Essick Manufacturing Company, Los Angeles, Calif. Portable mixer. 2,499,052, Feb. 28.
Brooks, Edward H., Jr., assignee: *See*—
Brooks, Edward H., Sr.
Brooks, Edward H., Sr., assignor of one-half to E. H. Brooks, Jr., Portland, and one-half to E. H. Thompson, Cape Elizabeth, Maine. Fiber pickup drum and squeeze roll. 2,498,646, Feb. 28.
Brooks, Mark L.: *See*—
Warner, Floyd F., Brooks and Bardelmeier.
Brotman, Hyman D., Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Control knob. 2,498,833, Feb. 28.
Browning, J. M. & M. S., Company, assignee: *See*—
Browning, Val A.
Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Inertia operated pivoted bolt lock. 2,499,090, Feb. 28.
Brubaker, Ernest E., Rapid City, S. Dak. Portable ladder support. 2,499,091, Feb. 28.
Bruce, David S., Lawrence, Kans., and E. L. Klein, Kansas City, Mo., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Making propellant powder. 2,499,295, Feb. 28.
Brunken, Renke, Shaker Heights, assignor to The White Motor Company, Cleveland, Ohio. Torque converter control. 2,499,128, Feb. 28.
Brush, Alanson P., Detroit, Mich., assignor of one-half to Chrysler Corporation, Highland Park, Mich. Gear unit. 2,498,848, Feb. 28.
Buchanan Electrical Products Corporation, assignee: *See*—
Buchanan, Stephen N.

Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Electric connector. 2,499,296, Feb. 28.
Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Electric connector. 2,499,297, Feb. 28.
Büchel, Robert, Gamprin, Liechtenstein. Automatic locking and releasing device for shift keys on typewriters. 2,499,053, Feb. 28.
Buckley, Robert M., Pasadena, Calif. Pot strainer. 2,499,016, Feb. 28.
Buenood-Stacey, Incorporated, assignee: *See*—
Lea, Edward S.
Bunker, Harry A., St. Lambert, assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Wash basin installation. 2,498,940, Feb. 28.
Burnam, Leonard G., Mansfield, Ill. Stockcar. 2,498,647, Feb. 28.
Burnam, Thompson W., Whittier, assignor to Fog Nozzle Company, Los Angeles, Calif. Fog nozzle. 2,499,092, Feb. 28.
Calfee, John D., Manhasset, and P. A. Florio, Woodside, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Photochemical manufacture of 1,1,1-difluorochloroethane. 2,499,129, Feb. 28.
Callaway, Cleatus S., and C. C. Light, Frederick, Okla. Ticket gluer. 2,499,017, Feb. 28.
Camfield, Earthen H., Florence, Colo. Exhaust turbine and pump. 2,498,910, Feb. 28.
Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Counterbalancing device. 2,498,877, Feb. 28.
Cardinal, James H., assignee: *See*—
Redmon, Frank M., Sr.
Carlson, Elmer T., Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainsville, Conn. Infrared baking oven. 2,498,878, Feb. 28.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Erland, Gustave G., and Pearson.
Meier, Frederic, and Rittenhouse.
Pettigrew, Wilbur H.
Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrogen fluoride. 2,498,789, Feb. 28.
Carroll, Ellsworth W., Redwood, assignor to S & W Fine Foods, Inc., San Francisco, Calif. Feed mechanism for fruit orienting and pitting machines. 2,499,266, Feb. 28.
Caughrean, Milo C., San Francisco, Calif. Gear pump. 2,498,790, Feb. 28.
Cavalier Cravat Company, assignee: *See*—
Trau, Isidor K.
Celanese Corporation of America, assignee: *See*—
Birnbaum, Leo S., Prichard, and Palst.
Thompson, Robert F.
Celotex Corporation, The, assignee: *See*—
Wheeler, Dee G.
Chains, Inc., assignee: *See*—
Teerlink, James, D'Mohowski and Pearson.
Chamberlin Company of America, assignee: *See*—
Seide, Max.
Chandeysson, Pierre I., St. Louis, Mo. Dynamoelectric machine and making same. 2,499,211, Feb. 28.
Charney, Jesse, New York, N. Y., assignor to Wyeth Incorporated, Philadelphia, Pa. Extraction and recovery of rutin. 2,498,849, Feb. 28.
Charpentier, Paul: *See*—
Arquet, Maurice, and Charpentier.
Chase, Gladys, Peekskill, N. Y. Thread holder. 2,499,130, Feb. 28.
Chazal, René L. F.: *See*—
Cottet, Émile C., and Chazal.
Cherry-Burrell Corporation, assignee: *See*—
Lippold, Adolph J.
Chittenden, George E., Warwickshire, assignor to The Keelavite Company Limited, Allesley, Coventry, Warwickshire, England. Control of end clearances of rotors. 2,498,911, Feb. 28.
Christen, Earl W., Toledo, Ohio. Fishline reel pole mounting. 2,498,648, Feb. 28.
Christensen, Alfred, assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,499,298, Feb. 28.
Christiano, Frank and N., Hartford, Conn. Baffle type muffler with plural tubular passages. 2,499,018, Feb. 28.
Christiano, Nicholas: *See*—
Christiano, Frank and N.
Chrysler Corporation, assignee: *See*—
Blue, Roy E.
Brush, Alanson P.
Iavelli, Teno.
Newton, Alwin B.
Phelan, Hubert S.
Van Der Sluys, William.
Waelde, William E.
Wallace, David A.
Ciba Limited, assignee: *See*—
Lambelet, Lucien, and Jaeck.
Clardy, Le Roy, assignor to Swift & Company, Chicago, Ill. Cloud point indicator. 2,498,941, Feb. 28.
Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for making ribbed stripe for insoles. 2,498,751, Feb. 28.
Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telautograph control system. 2,498,649, Feb. 28.
Clark, Howard L.: *See*—
Berry, Theodore M., and Clark.
Clark, James M., Carthage, Tex. Well device. 2,498,791, Feb. 28.
Clark, Kendall: *See*—
McCormick, Francis H., and Clark.
Claudet, Aymon F. M., Orly, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Glazing earthenware and glaze therefor. 2,498,912, Feb. 28.
Clayton, Clarence R., Snomac, Okla. Sand separator. 2,498,913, Feb. 28.
Clayton & Lambert Manufacturing Company, assignee: *See*—
Edel, Walter L.
Cline, Robert E., assignee: *See*—
Redmon, Frank M., Sr.
Cockrill, Huston W.: *See*—
Wild, Norman R., and Cockrill.
Cole, Herbert, assignee: *See*—
Sell, Harvey A., and Cole.
Coles, Harold J., assignor, by mesne assignments, to E. G. Davis, Cleveland, Ohio. Live center for lathes, etc. 2,499,131, Feb. 28.
Collins, Neil R., Los Altos, and A. E. Esterberg, Redwood City, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Liquid treatment apparatus. 2,499,054, Feb. 28.
Comfort Lines, Inc., assignee: *See*—
Gelman, Harry A.
Commercial Solvents Corporation, assignee: *See*—
Smith, Everet F.
Cones, Ben, Indianapolis, Ind. Concealed bed lamp. 2,498,942, Feb. 28.
Conner, William S., Atlanta, Ga. Machine for making corrugated paperboard. 2,499,267, Feb. 28.
Conrad, Karl F., Eggertsville, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Monazo dyestuff. 2,499,133, Feb. 28.
Convenient Carrier Corporation, assignee: *See*—
Bassichis, William M.
Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Remote self-synchronous control system. 2,499,132, Feb. 28.
Copeland, Norman A., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tubular falling-film exchanger. 2,498,752, Feb. 28.
Copeland, Paul L.: *See*—
De Lany, Beatrice P., and Copeland.
Cornell-Dubilier Electric Corporation, assignee: *See*—
Mas, José A.
Correll, Francis G., Los Angeles, Calif. Kick shifter attachment. 2,498,914, Feb. 28.
Corser, Calvin G., assignor to Johnson Spring Cushion Company, Chicago, Ill. Stacker mechanism for coil springs. 2,498,850, Feb. 28.
Cosby, John N., and M. Erchak, Jr., Morris Plains, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of nitriles. 2,499,055, Feb. 28.
Costner, Jack C.: *See*—
Robinson, Elvin B., and Costner.
Cottet, Émile C., and R. L. F. Chazal, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Polyvinyl resin emulsions. 2,498,792, Feb. 28.
Coures, Frank, assignee: *See*—
Bowling, Robert B., and Bennett.
Courtney, Joseph F., Chicago, Ill. Illuminated switch socket. 2,498,943, Feb. 28.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Tool for assembling inserts in hose ends. 2,499,056, Feb. 28.
Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Making hose ends. 2,499,241, Feb. 28.
Cox, Merrill, University Heights, and A. L. Foell, Cleveland Heights, Ohio. Solids concentrating method and apparatus. 2,499,057, Feb. 28.
Crain, William D., Stoneham, Colo. Dump hayrake. 2,498,650, Feb. 28.
Crane Co., assignee: *See*—
Peterson, Edgar M.
Creed and Company Limited, assignee: *See*—
Munck, Leslie S.
Critchfield, Robert M., and P. L. Schneider, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator control system. 2,498,793, Feb. 28.
Crom, George C., Alamogordo, N. Mex. Actuating handle assembly for switches. 2,498,651, Feb. 28.
Crooks, Earl G., Binghamton, assignor to Lestershire Spool and Manufacturing Company, Johnson City, N. Y. Unit bobbin construction. 2,499,268, Feb. 28.
Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co. Apparatus used in the processing of fruit and vegetable juices and the like. 2,498,836, Feb. 28.
Crowder, Wiley K.: *See*—
McClure, Ralston H., Crowder, and Snell.
Crumrine, Kenneth C.: *See*—
Herzog, Gerhard, and Crumrine.
Cuban-American Sugar Company, The, assignee: *See*—
Swenson, Oscar J.
Cubbage, Thomas L., Borger, Tex., assignor to Phillips Petroleum Company. Removal of magnetic material from furfural. 2,498,794, Feb. 28.

Curran, Frank M. J., assignor of one-half to V. C. Curran, Grand Rapids, Mich. Drawer or like receptacle. 2,499,299, Feb. 28.

Curran, Vivian C., assignee: *See*— Curran, Frank M. J.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of diarylalkyl dialkylaminoalkyl ethers. 2,499,058, Feb. 28.

Custer, Vincent L., Eau Claire, Wis. Guide for barn cleaner conveyers. 2,499,212, Feb. 28.

Cyphers, Elmer B., Cranford, N. J., and L. J. Osborne, Jr., Brooklyn, N. Y., assignors to Standard Oil Development Company. Lubricants and extreme pressure additives therefor. 2,498,628, Feb. 28.

D'Albora, John, Brooklyn, N. Y. Heating pad with strap fastener. 2,498,983, Feb. 28.

Daly, Lawrence E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Laminar structure. 2,498,652, Feb. 28.

Daly, Lawrence E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Laminar structure. 2,498,653, Feb. 28.

Darby, Edna, assignee: *See*— Darby, Jabez B.

Darby, Jabez B., assignor of one-fourth to E. Darby, one-fourth to M. D. Traweek, one-fourth to E. D. Willis and one-fourth to W. J. Darby, Florence, Ala. Combination water and feed trough. 2,498,981, Feb. 28.

Darby, Wilbur J., assignee: *See*— Darby, Jabez B.

Davies, George, Welwyn, assignor to A. P. Warren, East Twickenham, England. Abrasive type cutting element and the manufacture thereof. 2,498,982, Feb. 28.

Davis, Douglas L., Fullerton, Calif. Dispensing device for bait. 2,498,795, Feb. 28.

Davis, Elmer G., assignee: *See*— Coles, Harold J.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Remote position control system. 2,498,654, Feb. 28.

De Benneville, Peter L.: *See*— Bock, Louis H., and de Benneville.

De Benneville, Peter L., Philadelphia, Pa., L. J. Armstrong, Wenona, Ill., and L. H. Bock, Huntingdon Valley, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa. Quaternated 3,5-dimethylphenyl ethers. 2,499,213, Feb. 28.

De Benneville, Peter L., Philadelphia, and L. H. Bock, Huntingdon Valley, assignors to Röhm & Haas Company, Philadelphia, Pa. Quaternary ammonium compounds from halomethylated 3,5-dimethylphenyl polyethers. 2,499,214, Feb. 28.

De Benneville, Peter L., Philadelphia, and L. H. Bock, Huntingdon Valley, assignors to Röhm & Haas Company, Philadelphia, Pa. Quaternary ammonium derivatives from halomethylated polymers of 3,5-dimethylphenyl ethers. 2,499,215, Feb. 28.

De Bruyne, Norman A., Duxford, England, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Providing adhesion between surfaces. 2,499,134, Feb. 28.

Decca Record Company, Limited, The, assignee: *See*— O'Brien, William J.

De Faymoreau, Etienne, New York, N. Y., and A. de Gouvenain, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Radio aerial. 2,498,655, Feb. 28.

De Gouvenain, André: *See*— De Faymoreau, Etienne, and de Gouvenain.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,498,656, Feb. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,498,657, Feb. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,498,658, Feb. 28.

Deitsch, Frank, Fort Thomas, Ky. Duct or the like. 2,498,753, Feb. 28.

De Lany, Beatrice P., Miami Beach, Fla., and P. L. Copeland, Chicago, Ill. Cathode. 2,498,879, Feb. 28.

De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Pickling of magnesium and its alloys. 2,499,269, Feb. 28.

De Rosa, Louis A., Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Automatic volume control system. 2,498,659, Feb. 28.

De Tamble, Richard: *See*— Edlund, Henry K., Monjar, Shuman, and De Tamble.

Detroit Macoid Corporation, assignee: *See*— Bradley, Stephen D.

Detroit Sheet Metal Works, assignee: *See*— Baker, Wedworth V.

Deutschmann, Tobe, assignee: *See*— Rich, Stanley R.

Diehnelt, Walter, Menomonee Falls, Wis. Beehive cover. 2,498,880, Feb. 28.

Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive coupling device. 2,499,300, Feb. 28.

D'Mohowski, John: *See*— Teerlink, James, D'Mohowski and Pearson.

Doppelheuer, William A., Connellsville, Pa. Combined camp stove and chair. 2,498,984, Feb. 28.

Dorfan, Morton I., Pittsburgh, Pa., assignor to American Wheelabrator & Equipment Corporation, Mishawaka, Ind. Suction hood. 2,499,301, Feb. 28.

Dornfeld, Edmund G., Barrington, N. J., assignor to Radio Corporation of America. Adjustable specimen support for electron-optical instruments. 2,499,019, Feb. 28.

Dotts, Walter M., Jr., Richmond, Va., and J. R. Morrison, Brunswick, Maine. Unidirectional flow valve. 2,498,985, Feb. 28.

Doty, Clifford B., assignor to Briggs Manufacturing Company, Detroit, Mich. Weather strip for vehicle doors. 2,498,851, Feb. 28.

Doty, Clifford B., assignor to Briggs Manufacturing Company, Detroit, Mich. Weather strip for vehicle doors. 2,498,852, Feb. 28.

Dow Chemical Company, The, assignee: *See*— De Long, Herbert K. Robinson, Harold A. Ryden, Laurence L.

Downer, Milton B., Adrian, Mich. Lawn mower. 2,498,796, Feb. 28.

Downes, Lloyd C., and J. F. Wiggin, Syracuse, N. Y., assignors to General Electric Company. Pulsed light film projection for television transmissions. 2,499,181, Feb. 28.

Downs, Bernard W.: *See*— Linnit, Christopher E., and Downs.

Dressler, Robert F.: *See*— Beard, Joseph G., and Dressler.

Duffield, William A., Windsor, Ontario, assignor, by mesne assignments, to Windfields (1946) Limited, Montreal, Quebec, Canada. Speed varying transmission. 2,498,797, Feb. 28.

Dufond, Edmond R. J., Sao Paulo, Brazil. Ring spinning apparatus. 2,499,342, Feb. 28.

Duncan, Everett S., El Cerrita, Calif. Fishing reel. 2,498,987, Feb. 28.

Dunmore, Francis W., Rockville, Md., and H. Lyons, Washington, D. C. Collapsible multicorner reflector for ultra high frequency radiant energy. 2,498,660, Feb. 28.

Dunn, Roland H.: *See*— McWhirter, Eric M. S., Dunn and Lennox.

Dunn, Roland H., and P. W. Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Circuit arrangement for electric discharge devices. 2,498,986, Feb. 28.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Copeland, Norman A. Howk, Benjamin W., and Plambeck.

Dybvig, Edwin S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus for window mounting. 2,498,661, Feb. 28.

Dyer, Bernard C., Pittsford, N. Y. Angle bracket for ladders. 2,498,944, Feb. 28.

Dyson, James, Rugby, England, assignor to General Electric Company. Automatic maximizing control system. 2,499,182, Feb. 28.

Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Calender roll. 2,498,662, Feb. 28.

Easley, Charles H., assignor of one-half to G. R. Easley, Chula Vista, Calif. Combination luggage carrier, tandem seat, and basket. 2,498,663, Feb. 28.

Easley, Gerald R., assignee: *See*— Easley, Charles H.

Eastman Kodak Company, assignee: *See*— Perry, Edmond S.

Eaton Manufacturing Company, assignee: *See*— Russell, Robert C.

Eckstein, George R., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Yield strength tester. 2,499,135, Feb. 28.

Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Generator and heat exchanger in an absorption refrigerator. 2,498,945, Feb. 28.

Eden, William C., East Cleveland, and C. W. Bondurant, Euclid, Ohio. Thermostatic control mechanism. 2,498,988, Feb. 28.

Edlund, Henry K., J. G. Monjar, G. R. Shuman, and R. De Tamble, Detroit, Mich., assignors to Tonno-Shield Corporation. Rear seat windshield for convertibles. 2,499,136, Feb. 28.

Eduard, Carl J., West Springfield, Mass. Toilet kit. 2,498,664, Feb. 28.

Edwards, Osborne P., Maywood, N. J. Ellipsograph. 2,498,798, Feb. 28.

Effinger, Edward J.: *See*— Neumann, George R., Farrell and Effinger.

Eggertsen, Frank T.: *See*— Roberts, Richard M., Eggertsen, and Greensfelder.

Eldridge, Frank R., Jr., assignor to Jones & Lamson Machine Company, Springfield, Vt. Load measuring system. 2,498,881, Feb. 28.

Electronized Chemicals Corporation, assignee: *See*— Brasch, Arno.

Ellis, John W., assignor to S. Smith & Sons (England) Limited, Cricklewood, London, England. Clock-controlled switch gear. 2,499,270, Feb. 28.

Emerson, Oliver H., Kensington Park, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of peptides. 2,498,665, Feb. 28.

Embardt, Fred W., assignor to Struthers Wells Corporation, Warren, Pa. Evaporator. 2,499,302, Feb. 28.

Ensign, Rolland C., West McHenry, Ill. Animal trap. 2,499,303, Feb. 28.

Enterprise Aluminum Company, The, assignee: *See*— Harris, Robert D.

Erchak, Michael, Jr.: *See*— Cosby, John N., and Erchak, Jr.

Erickson, Orville C., Eu Claire, Wis. Clothesline reeling device. 2,498,799, Feb. 28.

Erland, Gustave G., and A. B. Pearson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Pile stop mechanism. 2,498,989, Feb. 28.

Escoffery, Charles A., and W. H. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier unit. 2,498,666, Feb. 28.

Eserkaln, Theodore F.: *See*— Armitage, Joseph B., and Eserkaln.

Espegren, Nels A., Omaha, Nebr. Gasket unit for swivel connections. 2,498,915, Feb. 28.

Espegren, Nels A., Omaha, Nebr. Gasket unit for swivel connections. 2,498,916, Feb. 28.

Essick Manufacturing Company, assignee: *See*— Brookins, Richard N.

Esterberg, Albin E.: *See*— Collins, Neil R., and Esterberg.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,499,304, Feb. 28.

Evans, Sterling L., Kansas City, Mo. Cattle sprayer. 2,498,946, Feb. 28.

Fahnestock, Frank C., Manhasset, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for gaseous conversions in presence of a moving contact material. 2,499,305, Feb. 28.

Fairgrieve, Albert D., Vancouver, British Columbia, Canada. Vacuum cleaning cabinet for dust mops. 2,499,183, Feb. 28.

Fair Lawn Finishing Company, assignee: *See*— Helmus, Weldon G.

Farrell, Eugene F.: *See*— Neumann, George R., Farrell, and Effinger.

Fast, Christiane G., assignee: *See*— Fast, Gustave, and C.

Fast, Gustave, Salisbury, Md., F. W. C. Webb, administrator of said G. Fast, deceased, assignor to C. G. Fast. Coupling. 2,499,093, Feb. 28.

Fearon, Robert E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Gas analysis. 2,499,020, Feb. 28.

Feasley, Charles F.: *See*— Badertscher, Darwin E., Feasley, and Berger.

Federal Telecommunication Laboratories, Inc., assignee: *See*— Lesti, Arnold.

Federal Telephone & Radio Corporation, assignee: *See*— Clark, Gilbert R. De Rosa, Louis A. Escoffery, Charles A., and Hawk. From, Owen C. Grieg, Donald D. Macalpine, William W. Royden, George T.

Fehely, Ralph C., Arcata, Calif. Fishing plug. 2,498,800, Feb. 28.

Fellows Gear Shaper Company, The, assignee: *See*— Sanborn, George H.

Fewel Bros. Packing Co., assignee: *See*— Forrest, Thomas W. W.

Fielding, George T., Stamford, Conn. Electric shoe polishing machine with reciprocating polishing belt. 2,498,947, Feb. 28.

Fink, Melvin M.: *See*— Veatch, Franklin, and Fink.

Finke, Theodore R.: *See*— Friedberg, Milton R., Finneburgh, Jr., and Finke.

Finlayson, Edwin H., assignee: *See*— Wilkins, Mitchell.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Steam generating electric pressing iron. 2,499,184, Feb. 28.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Steam iron reservoir water supply and water discharge means. 2,499,185, Feb. 28.

Finneburgh, Lewis H., Jr.: *See*— Friedberg, Milton R., Finneburgh, Jr., and Finke.

Fischer, Paul E., Portland, and E. Ardell, Middletown, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Article labeling machine. 2,498,667, Feb. 28.

Fitzsimmons, Leslie J., East Orange, N. J. Mask. 2,498,668, Feb. 28.

Fizzell, James A., and J. G. Golseth, Chicago, Ill., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Impulse stimulating apparatus. 2,498,882, Feb. 28.

Fleming, Margaret M., Port Arthur, Tex. Portable resuscitating table. 2,499,242, Feb. 28.

Fletcher, Lynn, assignor to Lowell Specialty Company, Lowell, Mich. Spray nozzle. 2,499,021, Feb. 28.

Flomen, Edward, Montreal, Quebec, Canada. Apparatus for shirring sausage casings. 2,498,948, Feb. 28.

Florio, Patrick A.: *See*— Calfee, John D., and Florio.

Flowers, Leola W.: *See*— Flowers, Ralph G., and L. W.

Flowers, Ralph G. and L. W., Pittsfield, Mass., assignors to General Electric Company. 2-vinyldibenzothiophene and preparing the same. 2,499,186, Feb. 28.

Flowers, Ralph G. and L. W., Pittsfield, Mass., assignors to General Electric Company. Polymers of 2-vinyldibenzothiophene. 2,499,187, Feb. 28.

Foell, Adolph L.: *See*— Merrill, Cox, and Foell.

Fog Nozzle Company, assignee: *See*— Burnam, Thompson W.

Foos, Edwin K., Yellow Springs, Ohio. Hydraulic transmission. 2,499,059, Feb. 28.

Forbes, Samuel, assignor of one-half to J. L. Owens, Philadelphia, Pa. Controlling means for heating devices. 2,498,884, Feb. 28.

Forrest, Thomas W. W., assignor to Fewel Bros. Packing Co., Fresno, Calif. Seeding and cap stemming raisins. 2,498,949, Feb. 28.

Forster, William L., Rochester, Pa. Alloy steels. 2,499,306, Feb. 28.

Foster Wheeler Corporation, assignee: *See*— Sherman, Tracy H.

Fowler, Elbert, Mount Vernon, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Value setting register actuating device. 2,498,754, Feb. 28.

Fowler, Paul L., Portland, Oreg. Electric water heater. 2,498,950, Feb. 28.

Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Valve means. 2,499,022, Feb. 28.

Franklin, Alberto, Caracas, Venezuela. Preserving edible liquids. 2,499,243, Feb. 28.

Fraser, William, Ghyll Crest, Ghyll Head, Windermere, England. Transversely movable piston type hydraulic coupling. 2,498,801, Feb. 28.

Freeman, David A., assignor to G. H. Bishop Company, Chicago, Ill. Sorting reel hook. 2,499,188, Feb. 28.

Freeman, Erlin L.: *See*— West, John J., and Freeman.

Freund, Robert R., Mount Carmel, Ill. Lavatory and like for articulated beds. 2,498,736, Feb. 28.

Friedberg, Milton R., and L. H. Finneburgh, Jr., Cleveland Heights, and T. R. Finke, Euclid, assignors to The Gabriel Company, Cleveland, Ohio. Concealed antenna support. 2,499,137, Feb. 28.

Froese, Frank P., Winnipeg, Manitoba, Canada. Disk grinding machine. 2,498,951, Feb. 28.

From, Owen C., East Orange, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Impulse transmitter test instrument. 2,498,669, Feb. 28.

Frydman, Emanuel, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electromagnetic relay. 2,499,216, Feb. 28.

Fryklund, Robert A., Somerville, Mass., assignor to Raytheon Manufacturing Company. Apparatus for driving flexible members. 2,498,990, Feb. 28.

Fulmer, Norman C., and J. J. Mason, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Noninductive resistor especially adapted for high-frequency power. 2,498,755, Feb. 28.

Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,498,802, Feb. 28.

Gabriel Company, The, assignee: *See*— Friedberg, Milton R., Finneburgh, Jr., and Finke.

Gaenzle, Luther E., assignor to Armstrong Cork Company, Lancaster, Pa. Extrusion device. 2,498,670, Feb. 28.

Galland, Charles, Fall River, Mass. Picker stick check. 2,499,023, Feb. 28.

Gamble, Morgan F.: *See*— West, Willis Z., Jr., and Gamble.

Garod Radio Corporation, assignee: *See*— Trott, Barnet S.

Garrett Corporation, The, assignee: *See*— Arthur, Robert A.

Gattuso, Henry A., Adams, Mass. Stenciling apparatus. 2,498,917, Feb. 28.

Gayford, Michael L., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Sound reproducer or recorder head. 2,498,671, Feb. 28.

Gaylord Products, Incorporated, assignee: *See*— Weaver, Ruth K.

Geary, Henry R., East Orange, N. J., assignor to General Electric Company. Stoker burner head with rod means to anchor tuyère blocks. 2,499,189, Feb. 28.

Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Automatic clothes cleansing apparatus. 2,498,885, Feb. 28.

Gelman, Harry A., assignor to Comfort Lines, Inc., Chicago, Ill. Seat construction for stools and the like. 2,498,837, Feb. 28.

General Aniline & Film Corporation, assignee: *See*— Straley, James M.

General Baking Company, assignee: *See*— Wolff, Paul A.

General Electric Company, assignee: *See*—
Barrell, Robert W.
Berry, Theodore M., and Clark.
Boddy, Edwin H.
Downes, Lloyd C., and Wiggin.
Dyson, James.
Finlayson, Frank E.
Flowers, Ralph G., and Leola W.
Geary, Henry R.
Hahn, William C.
Holmgren, Viking R.
Jones, Norman B., and McFarland.
Lafferty, James M.
Lilliquist, Torsten O.
Posey, William T.
Rich, Theodore A.
Somerville, Thomas B.
Zimmer, John S.

General Motors Corporation, assignee: *See*—
Blomberg, Martin P.
Candor, Robert R.
Critchfield, Robert M., and Schneider.
Dilworth, Richard M.
Dybvig, Edwin S.
Funkhouser, Mearick.
Little, John H., and Rady.
McCormick, Francis H., and Clark.
Rady, William J.
Reeves, Donald H.

General Railway Signal Company, assignee: *See*—
Hagenbach, George O.
Haner, Robert B.

General Time Corporation, assignee: *See*—
Kennedy, Jesse J., and Traeger.

Gentile, Vincenzo J., Hartford, Conn. Pot cleaner. 2,498,803, Feb. 28.

Gentry, William M.: *See*—
Mullins, William H., and Gentry.

Gertz, Samuel, Jamaica, N. Y. Lever guide for flush tanks. 2,498,952, Feb. 28.

Gibson, John F., Seattle, Wash. Carpet fastener. 2,498,991, Feb. 28.

Giddings & Lewis Machine Tool Co., assignee: *See*—
Morgan, Everett K.

Glifred Corp., The, assignee: *See*—
Kanner, Samuel.

Ginther, Robert J., assignor to Sylvania Electric Products Inc., Salem, Mass. Barium di-silicate phosphor. 2,499,307, Feb. 28.

Gisholt Machine Company, assignee: *See*—
Tyson, Levi D.

Glass, Antonina S., assignee: *See*—
Glass, George B.

Glass, George B., assignor to A. S. Glass, New York, N. Y. Motor drive for medical syringes. 2,498,672, Feb. 28.

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Tire tread applying machine. 2,498,953, Feb. 28.

Goff, Henry J., Stockton, Calif. Carload spacer. 2,498,804, Feb. 28.

Goldberg, Max W., West Bend, assignor to Modern Equipment Company, Port Washington, Wis. Skip carriage track. 2,499,060, Feb. 28.

Golding, Leo R., Boston, Mass. Collapsible mushroom anchor. 2,499,138, Feb. 28.

Golseth, James G.: *See*—
Fizzell, James A., and Golseth.

Goodbar, Mayo A., and A. J. Green, assignors to The National Cash Register Company, Dayton, Ohio. Drawer controlled printing and feeding means in cash registers. 2,499,217, Feb. 28.

Goodrich, B. F., Company, The, assignee: *See*—
Lessig, Edward T.

Gottschall, Clarence R., Wilmington, Del., assignor to All American Airways, Inc. Brake resetting and time delay mechanism. 2,498,992, Feb. 28.

Goudet, Georges, and R. Musson-Genon, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Velocity modulation tube. 2,498,673, Feb. 28.

Graham, Erwin W., and C. M. Yeomans, Cleveland, Ohio. Winding electrical resistance wire strain gauges. 2,498,674, Feb. 28.

Gray Company, Inc., assignee: *See*—
Gray, Russell J.

Gray, Russell J., Excelsior, assignor, by mesne assignments, to Gray Company, Inc., Minneapolis, Minn. Lubricant-dispensing apparatus. 2,499,061, Feb. 28.

Great American Universal Aircraft Loading Service, assignee: *See*—
Neville, George O.

Grebowiec, Michael J., Kansas City, Kans., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Web belt loader. 2,499,139, Feb. 28.

Green, Albert J.: *See*—
Goodbar, Mayo A., and Green.

Green, Estill I., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulating system for locating impedance irregularities. 2,499,001, Feb. 28.

Greenbaum, Bernard J., Weston, Conn. Baby bath. 2,499,094, Feb. 28.

Greenberg, George, Brooklyn, N. Y. Platform attachment for worktables. 2,499,062, Feb. 28.

Greensfelder, Bernard S.: *See*—
Roberts, Richard M., Eggertsen, and Greensfelder.

Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio receiver. 2,498,675, Feb. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Calibration apparatus for radio receiver. 2,498,676, Feb. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Communication of intelligence. 2,498,677, Feb. 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex electrical pulse communication system. 2,498,678, Feb. 28.

Griewank, Otto C., La Porte, Ind. Oil-burning heater. 2,499,308, Feb. 28.

Griffin, Lindsay I., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,498,838, Feb. 28.

Griffith, Joshua T., Jr., Highland Park, Ill. Holder for spectacles. 2,499,140, Feb. 28.

Gulf Research & Development Company, assignee: *See*—
Offutt, William C.

Gurevsky, Leon, Fort Wayne, Ind. Multiway electric switch. 2,498,805, Feb. 28.

Haas, Harold G., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Antihunting circuit for electrical regulators. 2,499,272, Feb. 28.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of ethylene. 2,498,806, Feb. 28.

Hagenbach, George O., assignor to General Railway Signal Company, Rochester, N. Y. Relay housing. 2,498,807, Feb. 28.

Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Ultra short wave device. 2,498,886, Feb. 28.

Hall, Edwin S., Farmington, Conn. Starplate mechanism. 2,498,679, Feb. 28.

Hall, Hollis B., Mayfield, Ky. Furrow opening attachment for grain drills or planters. 2,499,095, Feb. 28.

Hall Laboratories, Inc., assignee: *See*—
Rosenbloom, Harold I.

Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible index embodying a plurality of swingable panels. 2,498,808, Feb. 28.

Hammer Brothers, Incorporated, assignee: *See*—
Hammer, Hy C.

Hammer, Hy C., assignor to Hammer Brothers, Incorporated, Chicago, Ill. Illuminated sign apparatus. 2,499,063, Feb. 28.

Hammond Instrument Company, assignee: *See*—
Hammond, Laurens, and Stephens.

Hammond, Laurens, Chicago, and G. H. Stephens, Glencoe, assignors to Hammond Instrument Company, Chicago, Ill. Pedal clavier for musical instruments. 2,499,244, Feb. 28.

Haner, Robert B., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Signal generator. 2,498,809, Feb. 28.

Hankin, Francis, & Co. Limited, assignee: *See*—
Miller, George.

Hargreaves, Thomas F. S., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Alternating current signaling system. 2,498,680, Feb. 28.

Harmon, Albert G., South Bend, Ind., assignor to National-Standard Company, Niles, Mich. Wire laying machine. 2,499,245, Feb. 28.

Harmon, Albert G., South Bend, Ind., assignor to National-Standard Company, Niles, Mich. Stranding machine. 2,499,246, Feb. 28.

Harris, Ford W., Los Angeles, Calif. Reamer. 2,498,756, Feb. 28.

Harris, Robert D., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Pastry cutter. 2,499,309, Feb. 28.

Hartford-Empire Company, assignee: *See*—
Fischer, Paul E., and Ardell.

Hartford National Bank & Trust Company, The, assignee: *See*—
Richards, Claude L.

Hartley, Julia E., Linthicum Heights, Md. Moistening cabinet for garments or fabrics. 2,499,064, Feb. 28.

Harvey Valentine P., G. F. W. Powell, and W. Wood, Deptford, assignors to Molens Machine Company, Limited, London, England. Ammunition feeding device for ordnance. 2,499,271, Feb. 28.

Hassold, Victor C., Wyndmoor, and J. T. Ullom, Philadelphia, Pa. Invalid lifting apparatus. 2,498,853, Feb. 28.

Hathaway, Stanley, and H. A. Bost, Greenville, N. C. Tobacco press. 2,499,310, Feb. 28.

Haveg Corporation, assignee: *See*—
McWhorter, Purnal L.

Hawk, Walter H.: *See*—
Escoffery, Charles A., and Hawk.

Haworth, Walter N., and L. F. Wiggins, Birmingham, England. Manufacture of 5-hydroxymethyl 2-furfural. 2,498,918, Feb. 28.

Hayward, John W., assignor to Philco Corporation, Philadelphia, Pa. Double time constant automatic volume control circuit. 2,498,839, Feb. 28.

Hazel, Edwin M., Chicago, Ill. Pocket parliamentary law indicator. 2,498,854, Feb. 28.

Healy, Frank P.: *See*—
Ashworth, Handel, and Healy.

Heller, Joseph I., Brooklyn, assignor to Panoramic Radio Corporation, New York, N. Y. Direction indicating and finding system. 2,498,919, Feb. 28.

Heller, Joseph I., Brooklyn, assignor to Panoramic Radio Corporation, New York, N. Y. Panoramic receiver with means for modifying signal pulses applied to indicators. 2,498,954, Feb. 28.

Helmus, Weldon G., Ridgewood, N. J., assignor to Fair Lawn Finishing Company. Heat-treatment of webs of textile materials. 2,499,141, Feb. 28.

Helmus, Weldon G., Ridgewood, N. J., assignor to Fair Lawn Finishing Company. Heat setting of textile fabrics. 2,499,142, Feb. 28.

Hemmeter, George T., Berkeley, Calif. Two-speed drive mechanism. 2,499,219, Feb. 28.

Henderson, Clyde H., Kansas City, Mo. Electrically heated glue pot. 2,498,955, Feb. 28.

Hennessy, James J., Montclair, N. J. Journal lubricator. 2,499,096, Feb. 28.

Heppner Manufacturing Company, assignee: *See*—
Heppner, Myron R.

Heppner, Myron R., Chicago, assignor to Heppner Manufacturing Company, Round Lake, Ill. Device for adjustably positioning spaced magnetic fields. 2,499,065, Feb. 28.

Herzog, Gerhard, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Voltage supply system. 2,499,312, Feb. 28.

Herzog, Gerhard, Houston, Tex., and K. C. Crumrine, Tulsa, Okla., assignors to The Texas Company, New York, N. Y. Neutron detection. 2,499,311, Feb. 28.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Gas burner of the type in which combustion is accomplished in a refractory lined combustion chamber. 2,499,218, Feb. 28.

High, Fred R., Attleboro, assignor to T. J. Holmes Co., Inc., Chartley, Mass. Package container and display stand. 2,498,757, Feb. 28.

Hines, John, South Norwalk, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Door check and closer. 2,498,758, Feb. 28.

Hinsdale, Clare L., Girard, Ohio. Rack for phonograph records. 2,499,220, Feb. 28.

Hinsdale, Clare L., Girard, Ohio. Phonograph record rack. 2,499,221, Feb. 28.

Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Method for winding. 2,498,681, Feb. 28.

Hoag, Roderick W., Melrose, Mass. Shaker dispenser. 2,499,313, Feb. 28.

Hofstadter, Robert, Forest Hills, assignor to The Norden Laboratories Corporation, New York, N. Y. Follow-up system. 2,499,222, Feb. 28.

Holden, Charles R., deceased, Altadena, Calif., by C. E. Holden, executrix, Altadena, Calif, assignor to W. H. T. Holden, New York, N. Y. Electromechanical transducer. 2,498,737, Feb. 28.

Holden, Cora E., executrix: *See*—
Holden, Charles R.

Holden, William H. T., assignee: *See*—
Holden, Charles R.

Holkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,498,883, Feb. 28.

Holland, George H., Hazelton, Pa. Implement for tying knots. 2,498,920, Feb. 28.

Holley, Earl, assignee: *See*—
Bobier, Wilfred S., Jr.

Holley, George M., assignee: *See*—
Bobier, Wilfred S., Jr.

Holliday, Charles E., Jr., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Tube fitting. 2,499,024, Feb. 28.

Holm, Carl J., Trondheim, Norway. Machine for the production of wire ropes. 2,498,921, Feb. 28.

Holmes, T. J., Co., Inc., assignee: *See*—
High, Fred R.

Holmgren, Viking R., Lynn, Mass., assignor to General Electric Company. Device for covering openings in enclosed machines. 2,499,190, Feb. 28.

Hooker Electrochemical Company, assignee: *See*—
Stormon, Dean B.

Horton Manufacturing Company, assignee: *See*—
Brotman, Hyman D.

Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Laundry machine having vertically reciprocable tub. 2,499,025, Feb. 28.

Howard, Styles T., Jeffersonville, Ind. Portable gasoline stove. 2,498,682, Feb. 28.

Howe, Patrick H., Jamaica, N. Y. Machine for trimming horses' feet. 2,499,098, Feb. 28.

Hower, Bruce A., Gary, Ind. Purge protector. 2,498,922, Feb. 28.

Howerton, Zachariah H., assignee: *See*—
Payne, Worth C.

Howk, Benjamin W., and L. Plambeck, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermoreversible gels of hydrolyzed vinyl fluoride/vinyl acetate copolymers. 2,499,097, Feb. 28.

Hubbell, Harvey, Long Hill, Conn. Magnetically operated switch. 2,498,683, Feb. 28.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic power unit. 2,498,810, Feb. 28.

Hum, Jack K. Y., U. S. Army. Chemical product. 2,498,684, Feb. 28.

Hunt, William E., Brooklyn, assignor to United Aircraft Corporation, East Hartford, Conn. Two-bladed tail rotor on common hinge. 2,499,314, Feb. 28.

Hutt, Herman H., Brooklyn, N. Y. Display device. 2,498,855, Feb. 28.

Hyatt, Grace G., Hemet, Calif. Hard boiled egg sheller. 2,498,811, Feb. 28.

Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Cultivator. 2,498,887, Feb. 28.

Hyland, William A., and E. E. Schnell, Horicon, Wis., assignors to John Deere Van Brunt Company. Winged cultivator. 2,498,888, Feb. 28.

Hyman, Sidney, New York, N. Y. Adjustable belt. 2,498,685, Feb. 28.

I. T. E. Circuit Breaker Company, assignee: *See*—
Wood, Joseph D.

Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Roller type overrunning clutch. 2,498,856, Feb. 28.

Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,498,889, Feb. 28.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.

Institute of Paper Chemistry, The, assignee: *See*—
Sears, George R., Rae, and Van den Akker.

International Standard Electric Corporation, assignee: *See*—
Baily, Robert S.
Billings, William A.
Deakin, Gerald.
De Faymoreau, Etienne, and de Gouvenain.
Dunn, Roland H., and Lennox.
Gayford, Michael L.
Goudet, Georges, and Musson-Genon.
Hargreaves, Thomas F. S.
Levy, Maurice M., and Rattue.
McWhirter, Eric M. S., Dunn, and Lennox.
Parker, Louis W.
Reeves, Alec H.
Searle, Arthur M.
Thellaumas, Clement M.
Thompson, Alfred E., and Salmon.
Towner, Stanley H.
Williams, Herbert P.
Willoughby, Eric O.

Irons, John H., Middlebury, Conn. Bottle counter. 2,499,143, Feb. 28.

Jackson, Charles N.: *See*—
Mowrer, Kenneth D., and Jackson.

Jacobsen, Robert P.: *See*—
Picha, George M., Jacobsen, and Pincus.
Pincus, Gregory, Jacobsen, and Levy.

Jacobsen, Robert P., Shrewsbury, G. Pincus and H. Levy, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill. 2,13-Dimethyldodecahydrophenanthrene hydroxy lactones and derivatives thereof. 2,499,247, Feb. 28.

Jacobson, James J., New York, N. Y. Self-locking adjustable tripod head. 2,499,066, Feb. 28.

Jaeck, Wolfgang: *See*—
Lambelet, Lucien, and Jaeck.

Jarvis, William M., Farnborough, England. Regulating the temperature of internal-combustion engines. 2,499,144, Feb. 28.

Jay, Marcel, Paris, France. Electric razor. 2,499,249, Feb. 28.

Jensen, Elnar C., Waterloo, Iowa. Bait retaining attachment for fishhooks. 2,499,145, Feb. 28.

Jenson, Kenneth S., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Combined forced draft and convection air flow space heater. 2,499,067, Feb. 28.

Jewett, John L.: *See*—
Welsh, James P., and Jewett.

Johns-Manville Corporation, assignee: *See*—
Miles, William S.
Rankine, Adam S., Jr.

Johnson, Corydon M., Freeport, N. Y. Rivet. 2,499,315, Feb. 28.

Johnson, Edward A. M., Cape Town, Union Of South Africa. Machine for applying polish to floors and like surfaces. 2,499,026, Feb. 28.

Johnson, Ernest W., Everett, assignor to Transducer Corporation, South Boston, Mass. Magnetic motor for visual indicator units. 2,499,316, Feb. 28.

Johnson, Frank B., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic cracking of diisobutylene. 2,498,840, Feb. 28.

Johnson, Leon H., assignor to Struthers Wells Corporation, Warren, Pa. Machine for flanging cylindrical shells. 2,498,686, Feb. 28.

Johnson, Maurice D. S., North Kansas City, assignor to Staley Milling Company, Kansas City, Mo. Display sign for stacked mechandise. 2,498,956, Feb. 28.

Johnson, S. C., & Son, Inc., assignee: *See*—
Swenson, Oscar J.

Johnson Spring Cushion Company, assignee: *See*—
Corser, Calvin G.

Jones & Lamson Machine Company, assignee: *See*—
Eldridge, Frank R., Jr.
Jones & Laughlin Steel Corporation, assignee: *See*—
Black, William E.
Jones, Norman B., Ballston Lake, and J. L. McFarland, Schenectady, N. Y., assignors to General Electric Company. Vertical loop furnace. 2,499,191, Feb. 28.
Jones, Wendell W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Reciprocating transfer for rotary sheet feeding mechanisms. 2,499,068, Feb. 28.
Jongerius, Jan, N. V., assignee: *See*—
Jungerhans, Bernardus J. M.
Jopperi, Matt U., and C. I. Monaghan, Ashtabula, Ohio. Engine control mechanism. 2,499,317, Feb. 28.
Jordan, Everett N., McAlester, Okla. Siding mold attachment for block molds. 2,498,923, Feb. 28.
Jordan, Richard H., Mansfield, Ohio, assignor to The Alliance Manufacturing Company. Antenna rotator. 2,498,957, Feb. 28.
Jungerhans, Bernardus J. M., Voorburg, assignor to J. Jongerius, N. V., Jutphaas, Utrecht, Netherlands. Liquid cock or valve. 2,499,318, Feb. 28.
Kanner, Samuel, assignor to The Gilfred Corp., New York, N. Y. Clip for pens or similar articles. 2,498,857, Feb. 28.
Kasher, Sam, Flushing, N. Y. Electric lighting fixture. 2,499,250, Feb. 28.
Kearney & Trecker Corporation, assignee: *See*—
Armitage, Joseph B., and Eserkaln.
Riedel, Kurt A.
Keelavite Company Limited, The, assignee: *See*—
Chittenden, George E.
Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.
Keller, Curt, Kusnacht, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. Pipe joint. 2,498,924, Feb. 28.
Kennedy, Jesse J., San Bernardino, Calif., and E. A. Traeger, Peru, Ill., assignors to General Time Corporation. Electrically synchronized timing mechanism. 2,499,223, Feb. 28.
Kenyon, Bertrand F., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Torque controlled liquid torque drive. 2,499,099, Feb. 28.
Kershaw, John G., Westmount, Quebec, Canada. Lifting rod. 2,499,027, Feb. 28.
Kessler, Harry C., Jr., Drexel Hill, Pa. Obtaining color registry in offset printing. 2,499,100, Feb. 28.
Kidd, Earl H.: *See*—
Shaw, Joe C., and Kidd.
Kimball, Charles N., Johnson County, Kans., W. R. Lewis, Clay County, Mo., and H. A. Strecker, Wyandotte County, Kans., assignors to C. J. Patterson Company, Kansas City, Mo. Testing moisture content of materials. 2,499,069, Feb. 28.
Kincaid, Arnold W., assignee: *See*—
Robinson, Elvin B., and Costner.
Kindt, Ernest T., Lakewood, Ohio. Dowel pin. 2,499,146, Feb. 28.
King, L. D. Percival, Santa Fe, N. Mex., assignor to the United States of America, as represented by the United States Atomic Energy Commission. Ion source. 2,498,841, Feb. 28.
Kingston Products Corporation, assignee: *See*—
Rieth, Harold.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,498,958, Feb. 28.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,498,959, Feb. 28.
Klein, Eugene L.: *See*—
Bruce, David S., and Klein.
Kluglein, Theobald, Valley Stream, N. Y. Hospital bed attachment. 2,499,101, Feb. 28.
Koehring Company, assignee: *See*—
Lichtenberg, Erich H.
Koppers Company, Inc., assignee: *See*—
Becker, Joseph.
Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Wide band oscillator and modulator. 2,498,759, Feb. 28.
Kotron Rectifier Corporation, assignee: *See*—
Kotterman, Chester A.
Kotterman, Chester A., New York, N. Y., assignor to Kotron Rectifier Corporation, Newark, N. J. Rectifier unit. 2,498,890, Feb. 28.
Krajenka, Casimir J., assignor to Briggs Manufacturing Company, Detroit, Mich. Pivotal hook clamp. 2,498,858, Feb. 28.
Krebs, Robert W.: *See*—
Smith, Lloyd B., and Krebs.
Kreithen, Alexander, Philadelphia, Pa., assignor to Radio Corporation of America. Radio-frequency power generator. 2,498,760, Feb. 28.
Kuenne, Kuno R., Oconomowoc, assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Insulating holder for heating units. 2,498,842, Feb. 28.
Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Fuel burning apparatus. 2,498,761, Feb. 28.
Kunze, Walter G., Catonsville, Md. Rubber mold and cutting lubricant. 2,499,028, Feb. 28.
Kuther, Max K., Monterey, Calif. Fish cleaning apparatus. 2,498,993, Feb. 28.
Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Dispenser type cathode. 2,499,192, Feb. 28.
Lambelet, Lucien, and W. Jaeck, assignors to Ciba Limited, Basel, Switzerland. Intaglio ink. 2,498,812, Feb. 28.
Lancaster Processes, Inc., assignee: *See*—
Robinson, Thomas, and Bascom.
Land, Meyer, Hartford, Conn. Toy having mechanical boxing figures and operating means therefor. 2,499,147, Feb. 28.
Langston, George A.: *See*—
Bassett, Dewey M., and Langston.
Lanolin Plus Cosmetics, Inc., assignee: *See*—
Verblen, Jack R.
Larsen, Delmar H., West Hollywood, Calif. Vasoconstrictor composition. 2,498,687, Feb. 28.
Laudig, James J., Scranton, Pa. Railroad journal bearing. 2,498,994, Feb. 28.
Lawrence, Theodore, assignee: *See*—
Nogle, James E.
Lea, Edward S., Morrisville, Pa., assignor to Buensod-Stacey, Incorporated, New York, N. Y. Machine for applying helical fins to cylindrical bodies by means including ironing tools. 2,498,813, Feb. 28.
Leach, H., Machinery Co., assignee: *See*—
Leach, Max.
Leach, Max, Providence, R. I., assignor to H. Leach Machinery Co. Belt shifter. 2,499,273, Feb. 28.
Ledbetter, Robert C., Pittsburgh, Pa. Lawn edge trimmer. 2,499,070, Feb. 28.
Lennox, Peter W.: *See*—
Dunn, Roland H., and Lennox.
McWhirter, Eric M. S., Dunn, and Lennox.
Lessig, Edward T., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 2,498,859, Feb. 28.
Lestershire Spool and Manufacturing Company, assignee: *See*—
Crooks, Earl G.
Lesti, Arnold, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Demodulator and channel separator system. 2,498,688, Feb. 28.
Levine, Samuel, assignor to Morays Manufacturing Company, Inc., Brooklyn, N. Y. Extensible connector. 2,499,102, Feb. 28.
Levy, Harold: *See*—
Jacobsen, Robert P., Pincus, and Levy.
Pincus, Gregory, Jacobsen, and Levy.
Levy, Maurice M., and E. A. Rattue, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for modulating continuous waves. 2,498,689, Feb. 28.
Lewis, George K., assignor to Three Dimension Company, Chicago, Ill. Picture slide mount. 2,498,738, Feb. 28.
Lewis, William R.: *See*—
Kimball, Charles N., Lewis, and Strecker.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Towing means for two-wheeled vehicles. 2,499,148, Feb. 28.
Ligett, Waldo B., Detroit, Mich., E. T. McBee, La Fayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West Lafayette, Ind. Perhalocyclohexadienes. 2,498,891, Feb. 28.
Light, Cordell C.: *See*—
Callaway, Cleatus S., and Light.
Lilliquist, Torsten O., Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich. Engine protective control system. 2,499,319, Feb. 28.
Lind, Signe A., Hartford, Conn. Curtain tieback. 2,498,925, Feb. 28.
Linde Air Products Company, The, assignee: *See*—
Wagner, George H.
Lindemann, A. J., & Hoverson Company, assignee: *See*—
Kuenne, Kuno R.
Lindgren, Vincent V.: *See*—
Ligett, Waldo B., McBee, and Lindgren.
Linforth, Paul S., assignee: *See*—
Wells, William S.
Linnit, Christopher E., and B. W. Downs, Hastings, England. Washing apparatus for hollow ware. 2,499,274, Feb. 28.
Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Receptacle filling device. 2,499,149, Feb. 28.
Little, John H., Huntington Woods, Mich., and W. J. Rady, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Battery charging system. 2,498,814, Feb. 28.
Lobl, Frederick, Middleboro, Mass. Bag-type container and closure therefor. 2,499,150, Feb. 28.
Lochman, Emil R., Milwaukee, Wis. Dual spindle machine tool. 2,499,193, Feb. 28.
Lock Joint Pipe Company, assignee: *See*—
Hirsch, Philip R.
Loevinger, Robert, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion generator. 2,499,320, Feb. 28.
Lohr, George A., Arlington, Va. Photographic lettering device having a removable layout support over a film support. 2,498,690, Feb. 28.
Love, Margaret E., Orlando, Fla. Pet bed for vehicles. 2,499,103, Feb. 28.

Lovell, Robert, Nutley, N. J., assignor to The Nylok Corporation, New York, N. Y. Coupling. 2,499,104, Feb. 28.
Lowell Specialty Company, assignee: *See*—
Fletcher, Lynn.
Lush, Clifford K., Minneapolis, Minn. Slidably and tiltably adjustable bench dog. 2,498,892, Feb. 28.
Luttmer, Willem, assignor to Wipac Development Limited, Bletchley, England. Ignition system for internal-combustion engines. 2,498,860, Feb. 28.
Lutz, Willard C., Lancaster, Pa. Clutch pulley. 2,499,224, Feb. 28.
Lyman, John F.: *See*—
Bennett, Bailey, and McFadden, and Lyman.
Lyons, Harold: *See*—
Dunmore, Francis W., and Lyons.
Lyte, George A., Allentown, Pa., assignor to Trojan Powder Company. Explosive composition. 2,499,321, Feb. 28.
Maas-Rowe Electromusic Corporation, assignee: *See*—
Rowe, Paul H.
Macalpine, William W., East Orange, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Remote control system for radio receivers. 2,498,691, Feb. 28.
MacKinnon, Charles W., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Concentrated sulfuric acid processes. 2,498,629, Feb. 28.
Magnesen, Charles D., assignor to Modern Design Products Company, Chicago, Ill. Bearing seal. 2,498,739, Feb. 28.
Maine, Leonard L.: *See*—
Pease, Lester J., and Maine.
Mains, Marshall P., Yardley, Pa. Gastrointestinal tube. 2,498,692, Feb. 28.
Mallory, Marion, Detroit, Mich. Control mechanism for variable-speed transmissions. 2,499,071, Feb. 28.
Manning, Edgar, Farham, England, assignor to Power Jets (Research and Development) Limited, London, England. Apparatus for testing engines. 2,498,995, Feb. 28.
Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), assignee: *See*—
Bourdon, Pierre M.
Marascio, Bruno J., Phillipsburg, N. J. Device to check bore diameters at preselected depths. 2,499,251, Feb. 28.
Marine Magnesium Products Corporation, assignee: *See*—
Collins, Neil R., and Esterberg.
Marrs, R. C., assignee: *See*—
Mitchell, Thomas W.
Marshall, John N., Philadelphia, Pa., assignor to Radio Corporation of America. Data transmission system. 2,499,225, Feb. 28.
Martin, Glenn L., Company, The, assignee: *See*—
Hollyday, Charles E., Jr.
Mas, José A., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Parallel operation of vibrator systems. 2,498,893, Feb. 28.
Mascolo, Mario, New York, N. Y. Jig. 2,498,693, Feb. 28.
Mason, Julien J.: *See*—
Fulmer, Norman C., and Mason.
Mast, William C., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of aqueous dispersions by polymerization in the presence of ammonium alginate. 2,498,694, Feb. 28.
Mather, John C., and F. G. Shenton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Automatic aperture controlling device. 2,499,322, Feb. 28.
Mawbey, Lawrence, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole fitting machine. 2,498,762, Feb. 28.
Maxim Silencer Company, The, assignee: *See*—
Bourne, Roland B.
Maxwell, Fred A., assignor to J. E. Maxwell, Bedford, Ohio. Adjustable toolholder. 2,499,151, Feb. 28.
Maxwell, Jack E., assignee: *See*—
Maxwell, Fred A. and J. E.
McBee, Earl T.: *See*—
Ligett, Waldo B., McBee and Lindgren.
McBride, Charles B.: *See*—
Watson, John E., and McBride.
McBride, John W., assignor to Bantar, Incorporated, Burbank, Calif. Stringed musical instrument. 2,499,194, Feb. 28.
McCash, Perry V., Seattle, Wash. Electric educational device. 2,499,323, Feb. 28.
McClure, Charles E., Hamilton, Ohio. Wallpaper pasting machine and trimmer. 2,498,996, Feb. 28.
McClure, Ralston H., assignor of one-third to W. K. Crowder, and one-third to W. A. Snell, Detroit, Mich. Valve for vehicle jacks. 2,499,072, Feb. 28.
McCormick, Francis H., and K. Clark, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Clothes washing machine and agitator therefor. 2,498,894, Feb. 28.
McElroy, Robert M., East Gadsden, Ala. Casting dart. 2,499,029, Feb. 28.
McFadden, George H.: *See*—
Bennett, Bailey, and McFadden, and Lyman.
McFarland, James L.: *See*—
Jones, Norman B., and McFarland.
McGraw Electric Company, assignee: *See*—
Wiegand, David E.
McLean, William B., and I. H. Swift, Inyokern, Calif., assignors to the United States of America as represented by the Secretary of the Air Force. Photoelectric inclinometer and accelerometer. 2,498,997, Feb. 28.
McNall, John W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,498,763, Feb. 28.
McNiven, James A., New York, N. Y. Mine communication system. 2,499,195, Feb. 28.
McVay, Raymon, Denison, Tex. Fishing tackle. 2,498,815, Feb. 28.
McWhirter, Eric M. S., R. H. Dunn, and P. W. Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Telegraph receiver. 2,498,695, Feb. 28.
McWhorter, Purnal L., Odessa, assignor to Haveg Corporation, Newark, Del. Making a furfuryl alcohol resinous product. 2,499,275, Feb. 28.
Mead, Warren J., Belmont, Mass. Making impressions of objects. 2,499,324, Feb. 28.
Mechano Gear Shift Company, assignee: *See*—
Kenyon, Bertrand F.
Meler, Frederic, Chicago, Ill., and C. H. Rittenhouse, Hobart, Ind., assignors to Carnegie-Illinois Steel Corporation. Combination coupler. 2,498,764, Feb. 28.
Mencke, George M., assignor to Permo Incorporated, Chicago, Ill. Phonograph needle. 2,499,196, Feb. 28.
Mercer, William M., Los Angeles, Calif. Apparatus for determining initial boiling point of liquids. 2,499,105, Feb. 28.
Metzkier, Joseph E., Cliffside Park, N. J. Multiring standard taper ground glass joint. 2,499,106, Feb. 28.
Michael, Gurney L., Minersville, Ohio. Earth boring tool. 2,499,252, Feb. 28.
Middaugh, Dennis A., Jersey City, N. J. Work holder. 2,498,696, Feb. 28.
Migrdichian, Vartkes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous aromatic acid salts of a guanidine as mothproofers. 2,499,226, Feb. 28.
Miles, William S., Hastings on Hudson, assignor to Johns-Manville Corporation, New York, N. Y. Control mechanism for stud securing apparatus. 2,499,227, Feb. 28.
Miller, Daniel, Brooklyn, N. Y. Parachute release device. 2,499,107, Feb. 28.
Miller, George, Rockton, Ontario, assignor to Francis Hankin & Co. Limited, Montreal, Quebec, Canada. Filtering apparatus. 2,499,325, Feb. 28.
Miller, Walter E., Placentia, assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Apparatus for handling stacked containers. 2,498,740, Feb. 28.
Mitchell, Robert, Company, Limited, The, assignee: *See*—
Bunker, Harry A.
Mitchell, Thomas W., assignor of 49 percent to R. C. Marrs, St. Louis, Mo. Guitar body construction. 2,498,926, Feb. 28.
Modern Design Products Company, assignee: *See*—
Magnesen, Charles D.
Modern Equipment Company, assignee: *See*—
Goldberg, Max W.
Mojonnier Bros. Co., assignee: *See*—
Cross, Joseph A.
Molens Machine Company, Limited, assignee: *See*—
Harvey, Valentine P., Powell and Wood.
Molyneux, John C., and C. E. Bournique, Jamestown, N. Y. Hydraulic starting mechanism. 2,498,697, Feb. 28.
Monaghas, Charles I.: *See*—
Jopperi, Matt U., and Monaghas.
Monjar, John G.: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.
Moon, Max E., Prosser, Wash. Universal joint. 2,499,030, Feb. 28.
Moore, James B., Chicago, Ill. Liquid fuel dispenser having a rotatably positionable register. 2,499,031, Feb. 28.
Morays Manufacturing Company, Inc., assignee: *See*—
Levine, Samuel.
Morgan, Everett K., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Control mechanism for machine tools. 2,499,152, Feb. 28.
Morris, Isaac A.: *See*—
Olson, Abraham D. and Morris.
Morrison, James R.: *See*—
Dotts, Walter M., Jr., and Morrison.
Morse Chain Company, assignee: *See*—
Bremer, Norman C.
Mossberg, O. F., & Sons, Inc., assignee: *See*—
Benson, Carl H.
Mowrer, Kenneth D., and C. N. Jackson, Wichita, Kans. Knockdown display stand. 2,498,998, Feb. 28.
Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,498,698, Feb. 28.
Mueller, William A., Los Angeles, and J. T. Wissmann, assignors to Warner Brothers Pictures, Inc., Burbank, Calif. Projection film viewer and reproducing system. 2,498,895, Feb. 28.
Mullett, Howard G., and E. D. Wachter, Jr., Whitefish Bay, assignors to Bradley Washfountain Co., Milwaukee, Wis. Washfountain. 2,498,699, Feb. 28.

Mullin, Clayton D., assignor to Telex Inc., St. Paul, Minn. Headset. 2,498,960, Feb. 28.

Mullins, William H., and W. M. Gentry, South Boston, Va. Parking brake controlled ignition and light switch, and gear shift lever lock. 2,499,276, Feb. 28.

Munck, Leslie S., assignor to Creed and Company Limited, Croydon, England. Teleprinter exchange system. 2,498,700, Feb. 28.

Munro, Gordon, Bremerton, Wash. Drill grinder. 2,498,701, Feb. 28.

Murray & Tregurtha, Inc., assignee: *See*—
Wanzer, Arthur W.

Musson-Genon, René: *See*—
Goudet, Georges and Musson-Genon.

Nahman, Gustave, Englewood, N. J. Cylindrical magnetic core. 2,498,702, Feb. 28.

Nalle, Charles R., Philadelphia, Pa. Caster structure. 2,499,277, Feb. 28.

National Cash Register Company, The, assignee: *See*—
Goodbar, Mayo A., and Green.

National-Standard Company, assignee: *See*—
Harmon, Albert G.
Pierce, Robert C.

National Waste Company Incorporated, assignee: *See*—
Schulein, George.

Ness, Peter G., East Cleveland, Ohio. Window opening device. 2,498,816, Feb. 28.

Neumann, George R., St. Clair Shores, E. F. Farrell, Grosse Pointe Woods, and E. J. Effinger, Ferndale, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Pot type liquid fuel burner for unit heaters. 2,498,817, Feb. 28.

Newell, Robert E., Irwin, Pa. Gas safety burner. 2,499,073, Feb. 28.

Newell, Robert E., Irwin, Pa. Automatic safety control for gas burners. 2,499,253, Feb. 28.

Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Reverse cycle refrigerating system. 2,498,861, Feb. 28.

New York Air Brake Company, The, assignee: *See*—
Hubar, Matthew W.

Niblett, Frank J., Tracy, Calif. Wall supported container lid clamp. 2,499,032, Feb. 28.

Nicholason, Emmett, Dunedin, Fla., assignor of 15 per cent to J. Hanson Boyden, Washington, D. C. Apparatus for treating liquids with light rays. 2,499,153, Feb. 28.

Nielsen, Martin E., El Cerrito, Calif. Spring applied vacuum released brake. 2,499,154, Feb. 28.

Nineteen Hundred Corporation, assignee: *See*—
Geldhof, Peter E., and Ringer.

Nogle, James E., assignor of one-half to Theodore Lawrence, Phoenix, Ariz. Evaporative air cooler and conditioner. 2,498,818, Feb. 28.

Nordberg Manufacturing Company, assignee: *See*—
Talboys, Henry H.

Norden, Carl L., assignor to The Norden Laboratories Corporation, New York, N. Y. Stabilization of directional devices. 2,499,228, Feb. 28.

Norden Laboratories Corporation, The, assignee: *See*—
Hofstadter, Robert.
Norden, Carl L.
Schaefer, Carl F.
Wehrlin, Richard F.

Nordgarden, Ernest S., Portland, Oreg. Pastry whip. 2,499,074, Feb. 28.

North American Aviation, Inc., assignee: *See*—
Oberholtzer, John M.

North Carolina Pulp Company, assignee: *See*—
Bowen, Robert E.

Noville, George O., Van Nuys, assignor to Great American Universal Aircraft Loading Service, Los Angeles, Calif. Apparatus for handling aircraft cargo. 2,498,819, Feb. 28.

Nuslgn Electric Limited, assignee: *See*—
Yates, Harold R.

Nylock Corporation, The, assignee: *See*—
Lovell, Robert.

Oberholtzer, John M., Los Angeles, Calif., assignor to North American Aviation, Inc. Impact dynamometer. 2,499,033, Feb. 28.

Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,498,961, Feb. 28.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Dynamoelectric machine structure. 2,499,326, Feb. 28.

Offutt, William C., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Manufacture of isobutylene. 2,498,999, Feb. 28.

Ogg, Rolla P., Eugene, Oreg. Stitchless billfold. 2,498,820, Feb. 28.

Ohio State University Research Foundation, The, assignee: *See*—
Bennett, Bailey, McFadden, and Lyman.

Okonite-Callender Cable Company, The, assignee: *See*—
Bennett, Charles E., and White.

Olsen, Anders C., Forest Hills, N. Y. Fastening element for wall and ceiling constructions. 2,499,278, Feb. 28.

Olson, Abraham D., Osborn, Ohio, and I. A. Morris, Clifton Springs, N. Y. Item checking device. 2,498,703, Feb. 28.

Olsson, Birger S., Linhamn, assignor to Aktiebolaget Ljungmans Verkstader, Malmo, Sweden. Gear changing system. 2,498,821, Feb. 28.

O'Neil, Bernard E., assignee: *See*—
O'Neil, Hugh J.

O'Neil, Hugh J., assignor of one-third to B. E. O'Neil and one-third to J. R. O'Neil, Bay City, Mich. High-frequency current generator. 2,499,155, Feb. 28.

O'Neil, James R., assignee: *See*—
O'Neil, Hugh J.

Organic Chemicals, Inc., assignee: *See*—
Widmann, Rudolph R.

Ortman, Charles H., Chardon, Ohio. Pivoted outer jaw wrench. 2,499,327, Feb. 28.

Osborne, Louis J., Jr.: *See*—
Cyphers, Elmer B., and Osborne, Jr.

Oswald, Earl P., Oak Park City, Mich. Induction motor. 2,498,704, Feb. 28.

Owens, Josephine L., assignee: *See*—
Forbes, Samuel.

Pacific Mills, assignee: *See*—
Wilkie, Robert C.

Palst, Walter D.: *See*—
Birnbaum, Leo S., Prichard, and Palst.

Palmer, Gilbert H., Ardmore, Okla. Spark plug. 2,498,822, Feb. 28.

Panoramic Radio Corporation, assignee: *See*—
Heller, Joseph I.
Wallace, Marcel.

Paolella, Philip, assignor to Plasticrete Corporation, Hamden, Conn. Fireplace. 2,499,156, Feb. 28.

Park, Richard B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Deicer heat distributing means. 2,499,034, Feb. 28.

Parke, Davis & Company, assignee: *See*—
Bartz, Quentin R.

Parker, Clyde, Kannapolis, N. C. Thermos lunch box. 2,499,254, Feb. 28.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Electronic color television. 2,498,705, Feb. 28.

Parker, Robert L., Jr., assignor to Union Oil Company of California, Los Angeles, Calif. Catalyst preparation. 2,499,255, Feb. 28.

Patterson, C. J., Company, assignee: *See*—
Kimball, Charles N., Lewis, and Strecker.

Patterson, Edie J., Stockton, Calif. Nut conveying and hold-down means for nut halving machines. 2,498,962, Feb. 28.

Pawlansky, Sam, Chicago, Ill., now by judicial change of name, Sam W. Sam. Apparatus for drying laundry. 2,499,328, Feb. 28.

Payne, Worth C., assignor of ten per cent to Z. H. Howerton, Sr., and ten per cent to F. J. Robinson, Greensboro, N. C. Picker stick and mounting therefor. 2,499,256, Feb. 28.

Pearson, Axel B.: *See*—
Erland, Gustave G., and Pearson.

Pearson, Nels E.: *See*—
Teerlink, James, D'Mohowski, and Pearson.

Pease, Lester J., Somerset Center, Mass., and L. L. Maine, Newport, R. I. Sight for firearms. 2,498,706, Feb. 28.

Peirce, John E., Arlington, N. J., assignor to Allied Chemical & Dye Corporation. Apparatus and method for drying solid material. 2,499,157, Feb. 28.

Perkins, Logan P., Sulphur, La. Emergency exit. 2,499,035, Feb. 28.

Perino Incorporated, assignee: *See*—
Mencke, George M.

Perry, Edmond S., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Wide inlet rotary pump for circulating liquids under vacuum. 2,499,158, Feb. 28.

Pestarini, Joseph M., Staten Island, N. Y. Metadyne generator and prime mover control. 2,498,765, Feb. 28.

Pestyner, Philip, Jamaica, N. Y. Necktie rack. 2,499,159, Feb. 28.

Peters, Theodore J., Jr.: *See*—
Van Gilder, Carll, and Peters, Jr.

Peterson, Edgar M., assignor to Crane Co., Chicago, Ill. Gauge for oil burners. 2,498,823, Feb. 28.

Peterson, Nils V., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Single side band modulator. 2,499,279, Feb. 28.

Petitjean, Jean, Paris, assignor to Societe Chimique et Routiere de la Gironde, Bordeau, France. Coated mineral aggregate and making same. 2,498,862, Feb. 28.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Pettigrew, Wilbur H., Hobart, Ind., assignor to Carnegie-Illinois Steel Corporation. Controlling dust in sintering operations. 2,498,766, Feb. 28.

Pfeiffer, Henry, Fredericksburg, Tex. Plier tube bender. 2,499,160, Feb. 28.

Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Arrangement for the utilization of turbine exhaust gases in steam generators and air preheaters. 2,499,108, Feb. 28.

Phelan, Hubert A., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Gearing for driving coaxial shafts. 2,498,767, Feb. 28.

Philco Corporation, assignee: *See*—
Hayward, John W.
Shoemaker, Malcolm G.

Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pelorus having adjustable prism and reflection shield. 2,498,768, Feb. 28.

Phillips Petroleum Company, assignee: *See*—
Carnell, Paul H.
Cubbage, Thomas L.
Hachmuth, Karl H.
Ray, Gardner C.

Picha, George M., Chicago, Ill., R. P. Jacobsen, Shrewsbury, and G. Pincus, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill. 2-methyl-7-hydroxy-tetrahydrophenanthrene-carboxylic acid derivatives and the production thereof. 2,499,257, Feb. 28.

Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Wire laying machine. 2,499,258, Feb. 28.

Piercey, James V., Chicago, Ill. Curtain stretcher roller. 2,498,963, Feb. 28.

Pile, Sydney, assignor to Teleflex Products Limited, London, England. Locking device in irreversible transmissions. 2,498,843, Feb. 28.

Pincus, Gregory: *See*—
Jacobsen, Robert P., Pincus, and Levy.
Picha, George M., Jacobsen, and Pincus.

Pincus, Gregory, Worcester, R. P. Jacobsen, Shrewsbury, and H. Levy, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill., 2,13-dimethyl-polyhydrophenanthrene lactone derivatives and the preparation thereof. 2,499,248, Feb. 28.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft control. 2,499,161, Feb. 28.

Pitney-Bowes, Inc., assignee: *See*—
Fowler, Elbert.
Thatcher, Linden A.

Plambeck, Louis, Jr.: *See*—
Howk, Benjamin W., and Plambeck, Jr.

Plantet, Henry, Paris, assignor to Societe E. P. I. C. (Electricite, Produits Industriels et Chimiques), Neuilly-sur-Seine, France. Electromagnetic clutch. 2,499,036, Feb. 28.

Plasticrete Corporation, assignee: *See*—
Paolella, Philip.

Posey, William T., Schenectady, N. Y., assignor to General Electric Company. Metal envelope electric discharge device. 2,499,197, Feb. 28.

Potter, Charles P., Toronto, Ontario, Canada. Calendar charactered slide type. 2,499,329, Feb. 28.

Powell, Gordon F. W.: *See*—
Harvey, Valentine P., Powell, and Wood.

Power Jets (Research and Development) Limited, assignee: *See*—
Manning, Edgar.

Pray, Harold E.: *See*—
Zipp, Drayton C., and Pray.

Prentiss Wabers Products Co., assignee: *See*—
Jenson, Kenneth S.

Prichard, John H.: *See*—
Birnbaum, Leo S., Prichard, and Palst.

Prickett, Mona E., assignee: *See*—
Prickett, Wilber W.

Prickett, Wilber W., assignor of one-half to M. E. Prickett, San Diego, Calif. Pouring attachment for containers. 2,499,259, Feb. 28.

Production Devices Incorporated, assignee: *See*—
Zipp, Drayton C., and Pray.

Pugh, Paul W., Mission, Kans. Tachometer switch. 2,498,927, Feb. 28.

Purdue Research Foundation, assignee: *See*—
Ligett, Waldo B., McBee, and Lindgren.

Pure Oil Company, The, assignee: *See*—
Bell, Richmond T., and Thacker.
Holkins, Hillis O.

Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation system for locating impedance irregularities. 2,499,000, Feb. 28.

Rachels, Wilbur C., Rock Island, Ill. Cutting machine. 2,498,707, Feb. 28.

Radio Corporation of America, assignee: *See*—
Atwood, John B., and Schoenborn.
Bartelson, Sten E.
Beard, Joseph G., and Dressler.
Dornfeld, Edmund G.
Korman, Nathaniel I.
Kreithen, Alexander.
Marshall, John N.
Schoenfeld, Earl H.
Simons, Kenneth A.
Tourshou, Simeon I.
Webb, Richard C.

Rady, William J.: *See*—
Little, John H., and Rady.

Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Battery charging system. 2,498,824, Feb. 28.

Rae, Robert D.: *See*—
Sears, George R., Rae, and Van den Akker.

Raffles, Frank, Chicago, Ill. Phonograph tone arm. 2,499,343, Feb. 28.

Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of alloys. 2,498,769, Feb. 28.

Rand, Henry J., Westport, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio. Washing machine. 2,499,162, Feb. 28.

Rand, Henry J., Bratenahl, Ohio, assignor to H. J. Rand Washing Machine Corp., New York, N. Y. Rotary pump. 2,499,163, Feb. 28.

Rand, H. J., Washing Machine Corp., assignee: *See*—
Rand, Henry J.

Rankine, Adam S., Jr., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Refractory insulating brick and manufacture. 2,499,229, Feb. 28.

Rattue, Edward A.: *See*—
Levy, Maurice M., and Rattue.

Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of cyclopentane-neohexane mixtures by azeotropic distillation with methyl formate. 2,498,928, Feb. 28.

Raytheon Manufacturing Company, assignee: *See*—
Fryklund, Robert A.
Spencer, Percy L.
Wild, Norman R., and Cockrill.

Read, Percival F., Slough, England. Garment presser and stretcher. 2,499,109, Feb. 28.

Read, Worth G., St. Paul, Minn. Apparatus for identifying mobile equipment. 2,498,896, Feb. 28.

Reconstruction Finance Corporation, assignee: *See*—
Illines, John.

Redmon, Frank M., Sr., West Newton, assignor of one-third to R. E. Cline and one-third to J. H. Cardinal, Indianapolis, Ind. Combined pedal for motor vehicles. 2,499,280, Feb. 28.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric counting circuits. 2,498,708, Feb. 28.

Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Vacuum cleaner. 2,499,330, Feb. 28.

Remington Arms Company, Inc., assignee: *See*—
Eckstein, George R.
Grebowiec, Michael J.

Republic Flow Meters Company, assignee: *See*—
Rosenberger, Albert J.

Research Corporation, assignee: *See*—
Fizzell, James A., and Golseth.

Rhein, Edwin, Little Rock, Ark. Necktie. 2,499,260, Feb. 28.

Rich, Stanley R., Cambridge, assignor to T. Deutschmann, Canton, Mass. Magnetostrictive phonograph pickup unit. 2,499,110, Feb. 28.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Recording voltmeter. 2,499,198, Feb. 28.

Richards, Claude L., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn. Moving coil transducer and enclosure. 2,498,825, Feb. 28.

Richardson, Clarence M., Cleveland, Ohio. Baby educator. 2,499,164, Feb. 28.

Riedel, Kurt A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Backlash compensator. 2,498,897, Feb. 28.

Rieth, Harold, assignor to Kingston Products Corporation, Kokomo, Ind. Table type radio cabinet. 2,498,898, Feb. 28.

Riley, Joseph J., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Flash butt welding apparatus. 2,499,281, Feb. 28.

Riley Stoker Corporation, assignee: *See*—
Kuhner, Max H.

Ringer, Luther: *See*—
Geldhof, Peter E., and Ringer.

Rittenhouse, Chester H.: *See*—
Meier, Frederic, and Rittenhouse.

Roberts, Richard M., Berkeley, F. T. Eggertsen, and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Aromatization catalysts and the preparation thereof. 2,498,709, Feb. 28.

Roberts, William A., Lakewood, Colo. Rock bit. 2,499,282, Feb. 28.

Robinson, Elvin B., Gastonia, and J. C. Costner, Bessemer City, assignors of one-third to A. W. Kincaid, Kings Mountain, N. C. Spindle and bolster and lubrication means therefor. 2,499,075, Feb. 28.

Robinson, Frank J, assignee: *See*—
Payne, Worth C.

Robinson, Harold A., assignor to The Dow Chemical Company, Midland, Mich. Inhibited hydrochloric acid. 2,499,283, Feb. 28.

Robinson, Thomas, New York, and C. H. Bascom, Richmond, assignors to Lancaster Processes, Inc., New York, N. Y. Emulsifier and making same. 2,499,002, Feb. 28.

Robitaille, Martial J., Cleveland, Ohio. Scissors sharpening device. 2,499,331, Feb. 28.

Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,498,964, Feb. 28.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,498,965, Feb. 28.

Roethel, John H., Detroit, Mich. Door lock. 2,499,111, Feb. 28.

Roethel, John H., Detroit, Mich. Latch bolt keeper. 2,499,165, Feb. 28.

Roethell, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Burning lime. 2,498,710, Feb. 28.

Röhm & Haas Company, assignee: *See*—
Bock, Louis H., and de Benneville.
De Benneville, Peter L., Armstrong, and Bock.
De Benneville, Peter L., and Bock.
De Bruyne, Norman A.

Roles, Duane, Roseburg, Oreg. Vacuum picker and harvester. 2,499,037, Feb. 28.

Roman, John J., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,499,112, Feb. 28.

Root, John J., New York, N. Y. Temperature regulation. 2,498,864, Feb. 28.

Roseby, Philip N.: *See*—
Saville, Willie, and Roseby.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Apparatus for controlling fuel and air supply to boilers responsive to boiler demand. 2,499,076, Feb. 28.

Rosenbloom, Harold I., Pittsburgh, Pa., assignor to Hall Laboratories, Inc. Compositions and methods for depositing amorphous metal-phosphate coatings on metal surfaces. 2,499,261, Feb. 28.

Roth, Grant V. W.: *See*—
Saari, Frank E., and Roth.

Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Suspension for musical resonant bars. 2,499,113, Feb. 28.

Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-frequency amplifier. 2,498,711, Feb. 28.

Roysher, Hudson B., Los Angeles, Calif. Tension catch. 2,499,077, Feb. 28.

Ruben, Samuel, assignee: *See*—
Williams, Fred D., Jr.

Ruona, Arthur E., Fairfax, Minn. Variable volume rotary vane pump. 2,498,826, Feb. 28.

Russell, Robert C., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Electrical switch mechanism. 2,499,166, Feb. 28.

Ryden, Laurence L., assignor to The Dow Chemical Company, Midland, Mich. Water-emulsion paint. 2,498,712, Feb. 28.

S & W Fine Foods, Inc., assignee: *See*—
Carroll, Ellsworth W.

Saari, Frank E., Chicago, and G. V. W. Roth, Evanston, Ill. Rail sanding device. 2,499,114, Feb. 28.

Salmon, Reginald D.: *See*—
Thompson, Alfred E., and Salmon.

Sam, Sam Women: *See*—
Pawlansky, Sam.

Sanborn, George H., Royal Oak, Mich., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Finishing gears. 2,499,167, Feb. 28.

Sand, Robert T., Detroit, Mich. Safety razor. 2,499,038, Feb. 28.

Sauer, Walter H., Fowler, Colo. Adjustable auto visor extension. 2,498,966, Feb. 28.

Saville, Willie, and P. N. Roseby, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Electrical signaling system. 2,498,899, Feb. 28.

Scalera, Mario, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing 1-chloro-2-carboxyanthraquinone. 2,499,003, Feb. 28.

Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. Potentiometer. 2,498,967, Feb. 28.

Schiff, Ann R., Columbus, Ohio. Retainer for spectacles. 2,499,332, Feb. 28.

Schneider, Paul L.: *See*—
Critchfield, Robert M., and Schneider.

Schnell, Ernst E.: *See*—
Hyland, William A., and Schnell.

Schoenborn, Ferdinand J. W.: *See*—
Atwood, John B., and Schoenborn.

Schoenfeld, Earl H., Mamaroneck, N. Y., assignor to Radio Corporation of America. Electronic signal shaping circuit. 2,498,900, Feb. 28.

Schroeder, Orval: *See*—
Brill, Edward F., and Schroeder.

Schulein, George, Chicago, Ill., assignor to National Waste Company Incorporated, New York, N. Y. Spring packing. 2,499,333, Feb. 28.

Schurman, Clyde, Woodland, Wash. Dragsaw. 2,499,168, Feb. 28.

Searle, Arthur M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Selenium rectifier. 2,498,714, Feb. 28.

Searle, G. D. & Co., assignee: *See*—
Cusic, John W., and Searle.
Jacobsen, Robert P., Pincus, and Levy.
Picha, George M., Jacobsen, and Pincus.
Pincus, Gregory, Jacobsen, and Levy.

Sears, George R., R. D. Rae, and J. A. Van den Akker, assignors to The Institute of Paper Chemistry, Appleton, Wis. Impact and acceleration testing. 2,498,844, Feb. 28.

Seastrom, Erik G., assignor to Treadwell Engineering Company, Easton, Pa. Sliding vane pump. 2,498,715, Feb. 28.

Seastrom, Erik G., assignor to Treadwell Engineering Company, Easton, Pa. Sliding vane pump. 2,498,929, Feb. 28.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Variable pressure vent control. 2,499,169, Feb. 28.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Paper fastener. 2,498,901, Feb. 28.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Loose-leaf binder. 2,498,902, Feb. 28.

Seide, Max, assignor to Chamberlin Company of America, Detroit, Mich. Detention screen suspension. 2,498,716, Feb. 28.

Sell, Harvey A., Rutherford, N. J., and H. Cole, New York, N. Y., said Sell assignor to said Cole. Inks and vehicles therefor. 2,499,004, Feb. 28.

Selas Corporation of America, assignee: *See*—
Hess, Frederic O.

Sellers, Ira, Walla Walla, Wash. Ceiling board jack. 2,499,005, Feb. 28.

Senff, John F., Atlantic City, N. J. Ventilating attachment for steam garment pressing machines. 2,499,006, Feb. 28.

Sharrow, Robert F., Fort Wayne, Ind. Furniture spacer. 2,499,230, Feb. 28.

Shaw, Eber W., Cleveland, Ohio. Folding ironing board. 2,499,078, Feb. 28.

Shaw, Joe C., and E. H. Kidd, assignors to Young Radiator Company, Racine, Wis. Oval oil cooler construction. 2,498,827, Feb. 28.

Shell Development Company, assignee: *See*—
Roberts, Richard M., Eggertsen, and Greensfelder.

Sherton, Francis G.: *See*—
Mather, John C., and Shenton.

Sheppard, William L., Royal Oak, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission gearing. 2,498,828, Feb. 28.

Sherman, Tracy H., South Nyack, assignor to Foster Wheeler Corporation, New York, N. Y. Heater. 2,498,717, Feb. 28.

Shingler, Dean S.: *See*—
Anderson, William H., and Shingler.

Shobe, Agnes, Bismarck, N. Dak. Floor drain for toilet fixtures. 2,499,115, Feb. 28.

Shoemaker, Malcolm G., Doylestown, assignor to Philco Corporation, Philadelphia, Pa. Charging apparatus. 2,499,170, Feb. 28.

Shuman, George R.: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Sensitometric device for color photography using scanning, recording, and comparing means. 2,499,039, Feb. 28.

Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.

Simons, Kenneth A., Bryn Athyn, Pa., assignor to Radio Corporation of America. Tester for self-synchronous systems. 2,499,116, Feb. 28.

Sinden, Alfred D., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Apparatus for conveying loose materials. 2,499,171, Feb. 28.

Singer Manufacturing Company, The, assignee: *See*—
Spaine, Edward P.

Sipes, David G., Struthers, Ohio. Automatic candelabra. 2,499,118, Feb. 28.

Skovbo, Albert E., Portland, Oreg. Coin vending machine. 2,499,199, Feb. 28.

Sloane, Max: *See*—
Sloane, Nathan and M.

Sloane, Nathan and M., Brooklyn, N. Y. Article holding support for telephone handset bases. 2,498,770, Feb. 28.

Smith, Arthur B., Bayshore, N. Y. Fishing harness. 2,499,117, Feb. 28.

Smith, Donald F.: *See*—
Smith, James H. and D.

Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Converting lower-boiling ketones into higher-boiling ketones. 2,499,172, Feb. 28.

Smith, Hubert A., Bay Pines, Fla. Airplane stall indicator. 2,499,284, Feb. 28.

Smith, James H. and D. F., Northport, N. Y. Feeding and tensioning means for continuous film. 2,499,119, Feb. 28.

Smith, Lloyd B., and R. W. Krebs, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon synthesis reaction. 2,498,845, Feb. 28.

Smith, Robert F., assignor to The Worthington Ball Company, Elyria, Ohio. Making golf balls. 2,499,344, Feb. 28.

Smith, S., & Sons (England) Limited, assignee: *See*—
Ellis, John W.

Snell, Worthan A.: *See*—
McClure, Ralston H., Crowder, and Snell.

Snow, Eugene A., Lynwood, Calif. Gauge for cutoff saw tables. 2,498,865, Feb. 28.

Societe Chimique et Routiere de la Gironde, assignee: *See*—
Petitjean, Jean.

Societe des Usines Chimiques Rhone-Poulenc: *See*—
Arquet, Maurice and Charpentier.
Bonvier, Maurice E.
Claudet, Aymon F. M.
Cottet, Emile C., and Chazal.

Societe E. P. I. C. (Electricite, Produits Industriels et Chimiques), assignee: *See*—
Aubert, Roger.

Societe Française Radio Electrique, assignee: *See*—
Aubert, Roger.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Badertscher, Darwin E., Feasley, and Berger.
Evans, Louis P.
Fahnestock, Frank C.
Mather, John C., and Shenton.
Oberright, Edward A.

Sodergren, Axel O., Minneapolis, Minn. Folding holder. 2,499,334, Feb. 28.

Somerville, Thomas B., Manchester, England, assignor, by mesne assignments, to General Electric Company. Voltage regulating apparatus. 2,499,200, Feb. 28.

Southern Mills, Incorporated, assignee: *See*—
Baker, Ralph B.

Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-trimming and pull-off mechanism for sewing machines. 2,499,335, Feb. 28.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency protective circuits. 2,498,719, Feb. 28.

Sperry, Paul A., New Haven, Conn. Photographic printing mask. 2,498,741, Feb. 28.

Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole fitting machine. 2,498,771, Feb. 28.

Stadelman, Rudolph J., Minneapolis, Minn. Seat attachment for baby strollers. 2,499,007, Feb. 28.

Stafford, Stephen M., Washington, D. C. Hob. 2,498,721, Feb. 28.

Staley Milling Company, assignee: *See*—
Johnson, Maurice D. S.

Standard Oil Company, assignee: *See*—
Voorhees, Vanderveer.

Standard Oil Development Company, assignee: *See*—
Cyphers, Elmer B., and Osborne, Jr.
Griffin, Lindsay I.
Johnson, Frank B.
MacKinnon, Charles W.
Roethell, Bruno E.
Smith, Lloyd B., and Krebs.
Van Gilder, Carll, and Peters, Jr.

Stanolind Oil and Gas Company, assignee: *See*—
Fearon, Robert E.

Stareck, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Producing surface conversion coatings on zinc. 2,499,231, Feb. 28.

Steinback, Herbert D., Wilmette, Ill., assignor, by mesne assignments, to Allied Control Company, Inc. Pressure responsive switch. 2,499,040, Feb. 28.

Steinhilb, Arthur R., Milwaukee, Wis. Candle holder for cakes. 2,499,079, Feb. 28.

Stepan Chemical Company, Inc., The, assignee: *See*—
Wolfe, John R.

Stephens-Adamson Mfg. Co., assignee: *See*—
Sinden, Alfred D.

Stephens, George H.: *See*—
Hammond, Laurens, and Stephens.

Stewart-Warner Corporation, assignee: *See*—
Christensen, Alfred.

Stimson, Noel O., Los Angeles, Calif. Hollow hair curler. 2,499,285, Feb. 28.

Stormon, Dean B., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of hexachlorocyclohexane. 2,499,120, Feb. 28.

Stoudt, Bernard, assignor to Ames Spot Welder Co., Inc., Brooklyn, N. Y. Self-adjusting pneumatic pressure switch. 2,499,262, Feb. 28.

Straley, James M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Solid diazo complexes. 2,498,722, Feb. 28.

Strecker, Herman A.: *See*—
Kimball, Charles N., Lewis, and Strecker.

Strub, René, La Chaux-de-Fonds, Switzerland. Gas turbine plant. 2,499,232, Feb. 28.

Struthers Wells Corporation, assignee: *See*—
Emhardt, Fred W.
Johnson, Leon H.

Stuart, Alfred A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Bendix, N. J. Aerial torpedo. 2,498,772, Feb. 28.

Suhajda, Emil, assignor to G. H. Bishop Company, Chicago, Ill. Garment buttoning post. 2,498,866, Feb. 28.

Super Mold Corporation of California, assignee: *See*—
Glynn, Edwin A.

Swenson, Oscar J., Ithaca, assignor to The Cuban-American Sugar Company, New York, N. Y., and S. C. Johnson & Sons, Inc., Racine, Wis. Wax extraction. 2,499,008, Feb. 28.

Swift & Company, assignee: *See*—
Clardy, Le Roy.

Swift, Irvin H.: *See*—
McLean, William B., and Swift.

Sylvania Electric Products Inc., assignee: *See*—
Ginther, Robert J.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gauging tool. 2,498,742, Feb. 28.

Taylor, Daniel H., South Pasadena, Calif. Power transmission belt guide. 2,499,173, Feb. 28.

Taylor, William R., Jr., Cleveland Heights, Ohio. Shuttle binder box. 2,498,970, Feb. 28.

Taylor-Winfield Corporation, The, assignee: *See*—
Riley, Joseph J.

Teerlink, James, and J. D'Mohowski, Chicago, and N. E. Pearson, Evergreen Park, Ill., assignors to Chains, Inc. Method and apparatus for inserting attachment links in conveyer chains. 2,499,336, Feb. 28.

Teleflex Products Limited, assignee: *See*—
Pile, Sydney.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Peterson, Nils V.

Telex Inc., assignee: *See*—
Mullin, Clayton D.

Texaco Development Corporation, assignee: *See*—
Herzog, Gerhard.

Texas Company, The, assignee: *See*—
Herzog, Gerhard, and Crumrine.

Thacker, Carlisle M.: *See*—
Bell, Richmond T., and Thacker.

Thatcher, Linden A., assignor to Pitney-Bowes, Inc., Stamford, Conn. Coin controlled device. 2,499,121, Feb. 28.

Thayer, Norman C., Como, Colo. Automatic toggle actuated grip wrench. 2,499,201, Feb. 28.

Theillaumas, Clement M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Sensitive gas tube pulse receiving and repeating system. 2,498,723, Feb. 28.

Theriault, Lucien, New Haven, Conn. Self-locking electrical connector. 2,498,743, Feb. 28.

Thompson, Alfred E., and R. D. Salmon, Croydon, England, assignors to International Standard Electric Corporation, New York, N. Y. Telegraph transmitter. 2,498,724, Feb. 28.

Thompson, Elton H., assignee: *See*—
Brooks, Edward H., Sr.

Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling apparatus. 2,499,202, Feb. 28.

Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,498,630, Feb. 28.

Thompson, Robert F., Narrows, Va., assignor to Celanese Corporation of America. Preparation of cellulose derivatives. 2,498,773, Feb. 28.

Thornburg, John L., Bremerton, Wash. Corner clamp. 2,498,725, Feb. 28.

Three Dimension Company, assignee: *See*—
Lewis, George K.

Times Facsimile Corporation, assignee: *See*—
Cooley, Austin G.

Tole, John, Milwaukee, Wis. Wax warmer. 2,499,337, Feb. 28.

Tonne-Shield Corporation, assignee: *See*—
Edlund, Henry K., Monjar, Shuman, and De Tamble.

Torres, Jose A. L., Utuado, P. R. Combination tooth paste tube and toothbrush. 2,498,829, Feb. 28.

Toulon, Pierre M. G., Paris, France. Electronic relay and its application to the scanning. 2,499,233, Feb. 28.

Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Pulse forming circuit. 2,499,234, Feb. 28.

Towner, Stanley H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Differential galvanometer movement. 2,498,726, Feb. 28.

Traeger, Elmer A.: *See*—
Kennedy, Jesse J., and Traeger.

Trailmobile Company, The, assignee: *See*—
Black, James J.

Transducer Corporation, assignee: *See*—
Johnson, Ernest W.

Trau, Isidor K., assignor to Cavalier Cravat Company, Louisville, Ky. Necktie and construction. 2,499,286, Feb. 28.

Traweek, Mary D., assignee: *See*—
Darby, Jabez B.

Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher having a floating ring. 2,498,774, Feb. 28.

Treadwell Engineering Company, assignee: *See*—
Seastrom, Erik G.

Trefz, Otto, Philadelphia, Pa. Bevel protractor. 2,498,867, Feb. 28.

Trojan Powder Company, assignee: *See*—
Lyte, George A.

Trott, Barnet S., assignor to Garod Radio Corporation, Brooklyn, N. Y. Antenna equalizer. 2,498,744, Feb. 28.

Troy, Leonard S., Clarks Summit, Pa. Electric governor and idle control. 2,499,263, Feb. 28.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Carlson, Elmer T.

Turner, James P., Sylvester, Tex. Cattle treating apparatus. 2,499,174, Feb. 28.

Turner Manufacturing Company, assignee: *See*—
Beaver, Hartsell W.

Tusay, John, Highland Park, Mich. Hair curling device. 2,498,830, Feb. 28.

Tyson, Levi D., Elkhart, Ind., assignor, by mesne assignments, to Gisholt Machine Company. Hydraulic system for plural motor operation. 2,499,235, Feb. 28.

Ullom, Josephus T.: *See*—
Hassold, Victor C., and Ullom.

Underwood Corporation, assignee: *See*—
Wise, Elmer L.
Union Ice Company, The, assignee: *See*—
Bobby, Frederick J.
Union Oil Company of California, assignee: *See*—
Parker, Robert L., Jr.
Union Switch & Signal Company, The, assignee: *See*—
Baughman, George W.
Bossart, Paul N.
Thompson, Howard A.
United Aircraft Corporation, assignee: *See*—
Hunt, William E.
Park, Richard B.
United Chromium, Incorporated, assignee: *See*—
Stareck, Jesse E.
United Shoe Machinery Corporation, assignee: *See*—
Clark, Alfred S.
Mawbey, Lawrence.
Phillips, Harry.
Stacey, Ernest W.
United States Atomic Energy Commisaion, United States of America, as represented by the, assignee: *See*—
Backus, John G.
King, L. D. Percival.
Loevinger, Robert.
United States Rubber Company, assignee: *See*—
Daly, Lawrence E.
Universal Oil Products Company, assignee: *See*—
Thompson, Ralph B.
Utility Appliance Corp., assignee: *See*—
Abbott, John H.
Van Brunt, John Deere, Company, assignee: *See*—
Hyland, William A.
Van den Akker, Johannes A.: *See*—
Sears, George R., Rae, and van den Akker.
Van Der Sluys, William, Detroit, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Link stabilized railway truck. 2,498,745, Feb. 28.
Van Gilder, Carll F., Roselle, and T. J. Peters, Jr., Somerville, N. J., assignors to Standard Oil Development Company. Purification of phenols. 2,499,236, Feb. 28.
Veatch, Franklin, Cleveland, and M. M. Fink, Parma, Ohio. Adding device. 2,499,237, Feb. 28.
Veitch, Frederick J., Flushing, N. Y. Pipe joint. 2,498,831, Feb. 28.
Verblen, Jack R., assignor to Lanolin Plus Cosmetics, Inc., Chicago, Ill. Isopropyl palmitate solution of lanolin cosmetic. 2,498,727, Feb. 28.
Vergottis, Panaghis P., Norfolk, Va. Feed heater. 2,499,041, Feb. 28.
Viewegh, John H., Indianapolis, Ind. Fan guard mounting. 2,498,968, Feb. 28.
Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Convertible top for vehicle bodies. 2,498,868, Feb. 28.
Vobeda, Edwin F., Racine, Wis. Lengthening attachments for micrometers. 2,498,969, Feb. 28.
Vogel, Louis W., Chicago, Ill. Container for fishhooks. 2,499,042, Feb. 28.
Voorhees, Venderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Heat exchange. 2,499,043, Feb. 28.
Wachter, Edward D., Jr: *See*—
Mullett, Howard G., and Wachter, Jr.
Wadsworth, Clifford, Blackfoot, assignor of forty-five per cent to F. Young, Idaho Falls, Idaho. Self-sealing jar closure. 2,498,930, Feb. 28.
Waelde, William E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Insulator. 2,498,869, Feb. 28.
Wagg, Reginald, and C. H. Bayliss, Blackheath, near Birmingham, assignor to Accles & Pollock Limited, Oldbury, England. Archery arrow nock mounting. 2,499,044, Feb. 28.
Wagner, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Chlorosilanes. 2,499,009, Feb. 28.
Wagner, Hans P., Atlanta, Ga. Manufacture of rubber-like products. 2,498,931, Feb. 28.
Walker, Frank R., and F. H. Young, Long Beach, Calif. Rectal dilator and medicator. 2,499,045, Feb. 28.
Walker, Joseph B., Hollywood, Calif. Magnetic sound recording apparatus. 2,498,746, Feb. 28.
Wallace, David A., Grosse Pointe Farms, assignor to Chrysler Corporation, Highland Park, Mich. Method and apparatus for surfacing cylindrical objects. 2,498,903, Feb. 28.
Wallace, Marcel, assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. High-frequency tuning circuit. 2,498,932, Feb. 28.
Wallace, Marcel, Fairfield County, Conn., assignor, by mesne assignments, of one-half to Panoramic Radio Corporation, New York, N. Y. Telemetric altitude indicator for aircraft. 2,498,933, Feb. 28.
Walton, Ernest T., St. James, Manitoba, Canada. Tipping device for containers. 2,499,338, Feb. 28.
Wanzer, Arthur W., assignor to Murray & Tregurtha, Inc., Quincy, Mass. Outboard propeller mechanism for boats. 2,499,339, Feb. 28.
War, United States of America as represented by the Secretary of, assignee: *See*—
Bruce, David S., and Klein.
Ward, Harris, Burntwood, near Lichfield, England. Means for operating an electric switch at a predetermined time. 2,499,046, Feb. 28.
Warner Brothers Pictures, Inc., assignee: *See*—
Mueller, William A., and Wlasmann.
Warner, Floyd F., M. L. Brooks, and J. E. Bardelmeier, St. Louis, Mo. Piston and cylinder assembly. 2,498,971, Feb. 28.
Warren, Arthur P., assignee: *See*—
Davies, George.
Warren, Charles F., Milwaukee, Wis. Agitating mixing device. 2,499,203, Feb. 28.
Waterbury Farrel Foundry & Machine Company, The, assignee: *See*—
Wilcox, Richard L.
Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode construction. 2,498,775, Feb. 28.
Watson, John E., Westport, Conn., and C. B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Apparatus for classifying and separating suspended particles from gases. 2,498,832, Feb. 28.
Way, Stewart, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,498,728, Feb. 28.
Weatherhead Company, The, assignee: *See*—
Courtot, Louis B.
Weaver, Ruth K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,499,204, Feb. 28.
Webb, Alton J., Williamsport, Pa. Flexible band jar cap remover. 2,498,934, Feb. 28.
Webb, Frederich W. C.: *See*—
Fast, Gustave, and Webb.
Webb, Richard C., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray beam deflection circuit. 2,499,080, Feb. 28.
Weeks, Robert W., West Chester, Pa. Antenna mast supporting bracket. 2,499,011, Feb. 28.
Weeldenburg, Johannes G., Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Preparing alkali cellulose. 2,499,010, Feb. 28.
Wehrlin, Richard F., New York, assignor, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y. Erecting system for gyroscopes. 2,499,238, Feb. 28.
Weiss, Dewey S., Portland, Oreg. Trailer hitch. 2,498,776, Feb. 28.
Wells, William S., Palo Alto, assignor to P. S. Linforth, San Francisco, Calif. Air gun. 2,499,340, Feb. 28.
Welsh, James P., Buffalo, and J. L. Jewett, Cheektowaga, N. Y., assignors to the United States of America as represented by the Secretary of the Air Force. Tow target carrier. 2,499,012, Feb. 28.
West, John J., and E. L. Freeman, Baltimore, Md. Bowling pin spotting device. 2,499,081, Feb. 28.
West, Willis Z., Jr., and M. F. Gamble, Winston-Salem, N. C. Centrifugally operated switch. 2,499,122, Feb. 28.
Westinghouse Electric Corporation, assignee: *See*—
Anderson, William H., and Shingler.
Fulmer, Norman C., and Mason.
McNall, John W.
Ramage, John H.
Watrous, Ward W., Jr.
Way, Stewart.
Weyer, Henry J., Inglewood, Calif. Fertilizer spreading machine. 2,498,833, Feb. 28.
Wheeler, Dee G., assignor to The Celotex Corporation, Chicago, Ill. Apparatus for expanding slag. 2,498,904, Feb. 28.
White, Leo R., Long Beach, Calif. Clothesaline reel. 2,499,123, Feb. 28.
White Motor Company, The, assignee: *See*—
Brunken, Renke.
White, Paul V.: *See*—
Bennett, Charles E., and White.
Whiteley, Frank A., Minneapolis, Minn. Rotary pump. 2,498,972, Feb. 28.
Whiteley, Frank A., Minneapolis, Minn. Automobile cooling air conditioner. 2,498,973, Feb. 28.
Whittle, George V., Toms River, N. J. Guide patch. 2,498,729, Feb. 28.
Widmann, Rudolph R., Beverly Hills, assignor to Organic Chemicals, Inc., Pasadena, Calif. Composition to improve circulation of blood in vascular disorders. 2,498,777, Feb. 28.
Widmann, Rudolph R., Beverly Hills, assignor to Organic Chemicals, Inc., Pasadena, Calif. Composition to increase the absorption by the body of histamine. 2,498,778, Feb. 28.
Wiegand, David E., Zanesville, Ohio, assignor to McGraw Electric Company. Electromagnetic device and making the same. 2,498,747, Feb. 28.
Wiggin, Joseph F.: *See*—
Downes, Lloyd C., and Wiggin.
Wiggins, Leslie F.: *See*—
Haworth, Walter N., and Wiggins.
Wilbik, Edward, Lakeville, Ind. Jumping toy. 2,498,974, Feb. 28.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Movable work stop for solid die headers. 2,499,341, Feb. 28.

Wild, Norman R., East Natick, and H. W. Cockrill, Auburndale, assignors to Raytheon Manufacturing Company, Newton, Mass. High-frequency protective circuits. 2,498,720, Feb. 28.
Wilkie, Harry, Dayton, Ohio. Radio jamming device. 2,498,731, Feb. 28.
Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Converting fibrous material to be processed in the woolen system. 2,499,175, Feb. 28.
Wilkins, Mitchell, De Funiak Springs, assignor to E. H. Finlayson, Pensacola, Fla. Grass seed stripper. 2,499,047, Feb. 28.
Williams, Fred D., Jr., assignor to S. Ruben, New Rochelle, N. Y. Flat type alkaline dry cell. 2,499,239, Feb. 28.
Williams, Harvey W., Richmond, Calif. Nonwind safety device for clothes wringers. 2,498,975, Feb. 28.
Williams, Herbert P., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic amplifier circuit. 2,498,730, Feb. 28.
Willis, Elizabeth D., assignee: *See*—
Darby, Jabez B.
Willoughby, Eric O., Aldwych, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio navigation system. 2,498,732, Feb. 28.
Wilson, John H., Wichita Falls, Tex. Power transmission mechanism. 2,499,287, Feb. 28.
Wilson-Jones Company, assignee: *See*—
Segal, Samuel.
Winchester, Franklin L., South Gate, Calif. Self-guiding trailer dolly. 2,498,779, Feb. 28.
Winchester, Franklin L., South Gate, Calif. Shock absorbing trailer mount. 2,498,780, Feb. 28.
Windfields, (1946) Limited, assignee: *See*—
Duffield, William A.
Wittman, Sylvester J., Oshkosh, Wis. Airplane landing gear. 2,498,976, Feb. 28.
Wipac Development Limited, assignee: *See*—
Luttmer, Willem.
Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Ribbon vibrating mechanism for typewriting machines. 2,498,781, Feb. 28.
Wlasmann, Joseph T.: *See*—
Mueller, William A., and Wlasmann.
Wolfe, John R., assignor, by mesne assignments, to The Stepan Chemical Company, Inc., Chicago, Ill. Liquid dispenser. 2,499,205, Feb. 28.
Wolfersperger, John J., Milwaukee, Wis. Pressure-type burner and burning fuel. 2,499,207, Feb. 28.
Wolff, Paul A., Hoboken, N. J., assignor to General Baking Company, New York, N. Y. Pressure extrusion apparatus. 2,499,206, Feb. 28.
Wood, Joseph D., Upper Darby, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Series time-delay mechanism. 2,499,082, Feb. 28.
Wood, Sumner E., West Springfield, Mass. Fifth wheel coupling. 2,499,013, Feb. 28.
Wood, William: *See*—
Harvey, Valentine P., Powell, and Wood.
Woods, Webster F., Glendale, Calif. Collapsible baby buggy. 2,498,935, Feb. 28.
Woodward, Charles F.: *See*—
Badgett, Charles O., and Woodward.
Worthington Ball Company, The, assignee: *See*—
Smith, Robert F.
Worthington Pump and Machinery Corporation, assignee: *See*—
Sebald, Joseph F.
Wray (Optical Works) Limited, assignee: *See*—
Wynne, Charles G.
Wyeth Incorporated, assignee: *See*—
Charney, Jesse.
Wynne, Charles G., assignor to Wray (Optical Works) Limited, Bromley Hill, England. Large aperture spherically corrected objective having two outer positive components and two inner negative meniscus components with one cemented surface. 2,499,264, Feb. 28.
Yager, Harry L., Portland, Oreg. Irrigation tube joint fastener. 2,499,048, Feb. 28.
Yates, Harold R., assignor to Nusign Electric Limited, Toronto, Ontario, Canada. Interchangeable illuminated letter sign. 2,499,049, Feb. 28.
Yeomans, Clive M.: *See*—
Graham, Erwin W., and Yeomans.
Young, Ferra, assignee: *See*—
Wadsworth, Clifford.
Young, Frank H.: *See*—
Walker, Frank R., and Young.
Young Radiator Company, assignee: *See*—
Shaw, Joe C., and Kidd.
Zimmer, John S., Scotia, N. Y., assignor to General Electric Company. Thermally actuated switch. 2,499,208, Feb. 28.
Zipp, Drayton C., and H. E. Pray, assignors to Production Devices Incorporated, Whitehall, N. Y. Apparatus for protecting operating parts of vises from chips or other refuse incidental to machine work. 2,499,124, Feb. 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice),

Instrument, Electrical musical. L. Hammond. Re. 23,200, Feb. 28.
Lining for conduits, Insulation. A. L. Baker. Re. 23,199, Feb. 28.
Screw driver. M. R. Price. Re. 23,201, Feb. 28.

LIST OF PLANT INVENTIONS

Fuchsia plant. V. Reiter, Jr. 925, Feb. 28.

LIST OF DESIGN INVENTIONS

Air circulator unit. J. W. Kisling. 157,501, Feb. 28.
Baker, Cooky. A. F. Alexander. 157,463, Feb. 28.
Balancing toy. W. G. Quick. 157,535, Feb. 28.
Blouse. M. Adler. 157,461, Feb. 28.
Bottle. L. O. Graf. 157,488, Feb. 28.
Bottle, Flexible spray. J. B. Montenier. 157,508, Feb. 28.
Bottle, Perfume. J. Teague. 157,544, Feb. 28.
Bracelet or similar article. A. Philippe. 157,518, Feb. 28.
Bracelet or similar article. A. Philippe. 157,533, Feb. 28.
Brooch or similar article. A. Philippe. 157,522–5, Feb. 28.
Brooch or similar article. A. Philippe. 157,528–31, Feb. 28.
Cabinet, Television. S. E. Adler. 157,462, Feb. 28.
Cabinet, Tool. A. P. Fox and A. D. Reisert. 157,482, Feb. 28.
Cap, Receptacle sealing. E. H. Fabrice. 157,475, Feb. 28.
Case, Calendar. G. Drazan. 157,472, Feb. 28.
Casing, Corner-positionable heater. J. L. Heiman. 157,489, Feb. 28.
Casing for a thermostat, or the like. J. Roos, Jr. 157,537, Feb. 28.
Casing for a writing instrument. A. W. Doux. 157,471, Feb. 28.
Chair. J. Farkas, Jr. 157,478, Feb. 28.
Chopper, Food. H. A. Wormeck and F. P. Hess. 157,553, Feb. 28.
Chopper, Meat. V. G. Biro. 157,465, Feb. 28.
Coaster. J. B. Richardson. 157,536, Feb. 28.
Compact. L. Brodton. 157,467, Feb. 28.
Console for a computing machine. G. H. Kress and C. W. Sundberg. 157,506, Feb. 28.
Container for holding and dispensing packaged cigarettes. J. and A. Tant. 157,543, Feb. 28.
Container, Perfume. H. Kestenbaum. 157,498, Feb. 28.
Container, Perfume. G. Lecomte. 157,507, Feb. 28.
Dispenser, or the like, Cigarette. L. Rossi. 157,538, Feb. 28.
Earring or similar article. A. Philippe. 157,517, Feb. 28.
Earring or similar article. A. Philippe. 157,519–21, Feb. 28.
Earring or similar article. A. Philippe. 157,527, Feb. 28.
Faceplate for a belt buckle or the like. L. Fantaccione. 157,476–7, Feb. 28.
Fan. G. S. Faber. 157,474, Feb. 28.
Feed chute and control panel carrying member for a microfilm recorder or the like. T. R. Perzentka. 157,515, Feb. 28.
Filter for coffee makers. M. P. Glowacki. 157,486, Feb. 28.
Fixture, Fluorescent lighting. K. Versen. 157,547, Feb. 28.
Frame, Spray gun. J. F. Engler. 157,473, Feb. 28.
Game board. W. O. King. 157,500, Feb. 28.
Glass, Highball. W. T. Heintze. 157,491–2, Feb. 28.
Grill. S. D. Foss. 157,480, Feb. 28.
Hat or the like. L. Gammon. 157,485, Feb. 28.
Heater or similar article, Electric room. I. Pass. 157,512, Feb. 28.
Holder, Cigarette package. D. Franklin. 157,483, Feb. 28.
Holder for vacuum coffee makers. J. G. Temmer. 157,545, Feb. 28.
Hub, Bicycle. J. Rosten. 157,539, Feb. 28.
Jar, Cooky. J. L. Parentice. 157,511, Feb. 28.
Lamp. F. M. Spezzano. 157,542, Feb. 28.
Lamp, Portable electric. P. C. Calissi. 157,469, Feb. 28.
Lamp, Table. K. Versen. 157,548, Feb. 28.
Mattress. P. Spagnoli. 157,541, Feb. 28.
Mixer, Cocktail. W. T. Heintze. 157,490, Feb. 28.
Mixer or the like, Food. A. Naiden. 157,509, Feb. 28.
Necklace or similar article. A. Philippe. 157,516, Feb. 28.
Necklace or similar article. A. Philippe. 157,526, Feb. 28.
Necklace or similar article. A. Philippe. 157,532, Feb. 28.
Nut. H. F. Gade. 157,484, Feb. 28.
Pack for fragile articles. E. L. Shepard. 157,540, Feb. 28.
Package, Assembled display. C. H. Burger. 157,468, Feb. 28.
Package, Candy. C. A. Howe. 157,495, Feb. 28.
Pan for corn sticks, or the like, Baking. H. Goodman and R. M. Wolfe. 157,487, Feb. 28.
Pencil box, ruler, and pencil sharpener, Combination. G. L. Price. 157,534, Feb. 28.
Pipe, Tobacco. C. W. Pepper. 157,513, Feb. 28.
Plate or the like. C. Yee. 157,554, Feb. 28.
Power unit for a food mixer or the like. A. Naiden. 157,510, Feb. 28.
Printer for a computing machine. G. H. Kress and C. W. Sundberg. 157,504, Feb. 28.
Punch for a computing machine, Card. G. H. Kress and C. W. Sundberg. 157,505, Feb. 28.
Rack for towels and the like. J. Bornstein. 157,466, Feb. 28.
Rack or similar article, Tie. F. J. Trabert. 157,546, Feb. 28.
Reader for a computing machine, Card. G. H. Kress and C. W. Sundberg. 157,503, Feb. 28.
Reel, Sound recording tape. R. F. How and D. S. Whitnah. 157,494, Feb. 28.
Rollback toy. E. R. Biggs. 157,464, Feb. 28.
Sachet. E. M. Fetterer. 157,479, Feb. 28.
Scraper, Pot. L. M. J. Foulke. 157,481, Feb. 28.
Sheeting, Rubber. J. C. Kilner. 157,499, Feb. 28.
Shoe heel. G. V. Walls. 157,549, Feb. 28.
Shoe heel. G. V. Walls. 157,552, Feb. 28.
Shoe sole. G. V. Walls. 157,550–1, Feb. 28.
Soldering iron, Gun-type. H. W. Darr. 157,470, Feb. 28.
Stool, Leg. P. W. Hood and R. Moorman. 157,493, Feb. 28.
Toothbrush, Fountain. L. F. Perwas. 157,514, Feb. 28.
Toy figure. L. D. Hoyt. 157,496, Feb. 28.
Vanity case and lipstick holder, Combined. M. Klotz. 157,502, Feb. 28.
Wall plaque and condiment shaker unit, Combined. C. E. Jones. 157,497, Feb. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF FEBRUARY, 1950

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid processes, Concentrated sulfuric. C. W. MacKinnon. 2,498,629, Feb. 28.
Acid salts of a guanidine as mothproofers, Resinous aromatic. V. Migrdichian. 2,499,226, Feb. 28.
Actuating device, Value setting register. E. Fowler. 2,498,754, Feb. 28.
Adding device. F. Veatch and M. M. Fink. 2,499,237, Feb. 28.
Aerial, Radio. E. de Faymoreau and A. de Gouvenain. 2,498,655, Feb. 28.
Aging of alcoholic beverages, Electronic. A. Brasch. 2,498,735, Feb. 28.
Air conditioner, Automobile cooling. F. A. Whiteley, 2,498,973, Feb. 28.
Aircraft control, Rotative winged. H. F. Pitcairn. 2,499,161, Feb. 28.
Airplane landing gear. S. J. Wittman. 2,498,976, Feb. 28.
Airplane stall indicator. H. A. Smith. 2,499,284, Feb. 28.
Air washer. W. V. Baker. 2,498,718, Feb. 28.
Aliphatic trithiocarbonates. D. E. Badertscher, C. F. Feasley, and H. G. Berger. 2,498,936, Feb. 28.
Alkali cellulose, Preparing. J. G. Weeldenburg. 2,499,010, Feb. 28.
Alloy steels. W. L. Forster. 2,499,306, Feb. 28.
Alloys, Manufacture of. J. H. Ramage. 2,498,769, Feb. 28.
Ammonium compounds from halomethylated 3,5-dimethylphenyl polyethers, Quaternary. P. L. de Benneville and L. H. Bock. 2,499,214, Feb. 28.
Ammunition feeding device for ordnance. V. P. Harvey, G. F. W. Powell and W. Wood. 2,499,271, Feb. 28.
Amplifier, High-frequency. G. T. Royden. 2,498,711, Feb. 28.
Analyzer, Vacuum. J. G. Backus. 2,499,288, Feb. 28.
Anchor, Collapsible mushroom. L. R. Golding. 2,499,138, Feb. 28.
Animal trap. R. C. Ensign. 2,499,303, Feb. 28.
Antenna equalizer. B. S. Trott. 2,498,744, Feb. 28.
Antenna mast supporting bracket. R. W. Weeks. 2,499,011, Feb. 28.
Apparatus and method for drying solid material. J. E. Pierce. 2,499,157, Feb. 28.
Apparatus for classifying and separating suspended particles from gases. J. E. Watson and C. B. McBride. 2,498,832, Feb. 28.
Apparatus for controlling fuel and air supply to boilers responsive to boiler demand. A. J. Rosenberger. 2,499,076, Feb. 28.
Apparatus for conveying loose materials. A. D. Sinden. 2,499,171, Feb. 28.
Apparatus for determining initial boiling point of liquids. W. M. Mercer. 2,499,105, Feb. 28.
Apparatus for driving flexible members. R. A. Fryklund. 2,498,990, Feb. 28.
Apparatus for drying laundry. S. Pawlansky. 2,499,328, Feb. 28.
Apparatus for expanding slag. D. G. Wheeler. 2,498,904, Feb. 22.
Apparatus for gaseous conversions in presence of a moving contact material. F. C. Fahnestock. 2,499,305, Feb. 28.
Apparatus for handling aircraft cargo. G. O. Noville. 2,498,819, Feb. 28.
Apparatus for handling stacked containers. W. E. Miller. 2,498,740, Feb. 28.
Apparatus for handling the shipment of goods in bulk. R. D. Apperson. 2,498,906, Feb. 28.
Apparatus for identifying mobile equipment. W. G. Read. 2,498,896, Feb. 28.
Apparatus for installing electric power cables. C. E. Bennett and P. V. White. 2,498,834, Feb. 28.
Apparatus for protecting operating parts of vises from chips or other refuse incidental to machine work. D. C. Zipp and H. E. Pray. 2,499,124, Feb. 28.
Apparatus for securing lining material to brake shoes. H. B. Barrett. 2,498,937, Feb. 28.
Apparatus for shirring sausage casings. E. Flomen. 2,498,948, Feb. 28.
Apparatus for testing engines. E. Manning. 2,498,995, Feb. 28.
Apparatus for treating liquids with light rays. E. Nicholason. 2,499,153, Feb. 28.
Apparatus used in the processing of fruit and vegetable juices and the like. J. A. Cross. 2,498,836, Feb. 28.
Applicator, Self-feeding. R. B. Bowling and L. R. Bennett. 2,498,980, Feb. 28.
Aqueous dispersions by polymerization in the presence of ammonium alginate, Preparation of. W. C. Mast. 2,498,694, Feb. 28.
Archery arrow nock mounting. R. Wagg and C. H. Bayliss. 2,499,044, Feb. 28.
Arrangement for modulating continuous waves. M. M. Levy and E. A. Rattue. 2,498,689, Feb. 28.
Arrangement for the utilization of turbine exhaust gases in steam generators and air preheaters. H. Pfenninger. 2,499,108, Feb. 28.
Aryl sulfonyl thioureas, Preparation of. M. Arquet and P. Charpentier. 2,498,782, Feb. 28.
Astronomical device. G. M. Beckwith. 2,498,641, Feb. 28.
Attachment for baby strollers, Seat. R. J. Stadelman. 2,499,007, Feb. 28.
Attachment for block molds, Siding mold. E. N. Jordan. 2,498,923, Feb. 28.
Attachment for containers, Pouring. W. W. Prickett, 2,499,259, Feb. 28.
Attachment for fishhooks, Bait retaining. E. C. Jensen. 2,499,145, Feb. 28.
Attachment for grain drills or planters, Furrow opening. H. B. Hall. 2,499,095, Feb. 28.
Attachment for steam garment pressing machines, Ventilating. J. F. Seuff. 2,499,006, Feb. 28.
Attachment for worktables, Platform. G. Greenberg. 2,499,062, Feb. 28.
Attachments for micrometers, Lengthening. E. F. Vobeda. 2,498,969, Feb. 28.
Automatic toggle actuated grip wrench. N. C. Thayer. 2,499,201, Feb. 28.
Baby bath. B. J. Greenbaum. 2,499,094, Feb. 28.
Baby buggy, Collapsible. W. F. Woods. 2,498,935, Feb. 28.
Baby educator. C. M. Richardson. 2,499,164, Feb. 28.
Backflow prevention valve. B. E. Ahlport. 2,498,631, Feb. 28.
Barium di-silicate phosphor. R. J. Glather. 2,499,307, Feb. 28.
Basin installation, Wash. H. A. Bunker. 2,498,940, Feb. 28.
Battery charging system. J. H. Little and W. J. Rady. 2,498,814, Feb. 28.
Battery charging system. W. J. Rady. 2,498,824, Feb. 28.
Bearing: *See*—
Railroad journal bearing.
Bearing and making the same. R. E. Blue. 2,498,873, Feb. 28.
Bearing seal. C. D. Magnesen. 2,498,739, Feb. 28.
Bed attachment, Hospital. T. Kluglein. 2,499,101, Feb. 28.
Bed for vehicles, Pet. M. E. Love. 2,499,103, Feb. 28.
Beehive cover. W. Diehmelt. 2,498,880, Feb. 28.
Belt, Adjustable. S. Hyman. 2,498,685, Feb. 28.
Bench dog, Slidably and tiltably adjustable. C. K. Lush. 2,498,892, Feb. 28.
Billfold, Stitchless. R. F. Ogg. 2,498,820, Feb. 28.
Binder, Loose-leaf. S. Segal. 2,498,902, Feb. 28.
Bit: *See*—
Rock bit.
Board: *See*—
Folding ironing board.
Bobbin construction, Unit. E. G. Crooks. 2,499,268, Feb. 28.
Bottle carrier. W. M. Bassichis. 2,499,126, Feb. 28.
Box: *See*—
Shuttle binder box. Thermos lunch box.
Bracket: *See*—
Antenna mast supporting bracket.
Bracket for ladders, Angle. B. C. Dyer. 2,498,944, Feb. 28.
Brake: *See*—
Spring applied vacuum released brake.
Brake controlled ignition and light switch, and gear shift lever lock, Parking. W. H. Mullins and W. M. Gentry. 2,499,276, Feb. 28.
Brake resetting and time delay mechanism. C. R. Gottschall. 2,498,992, Feb. 28.
Brick and manufacture, Refractory insulating. A. S. Rankine, Jr. 2,499,229, Feb. 28.
Burner: *See*—
Gas safety burner.
Burner and burning fuel, Pressure-type. J. J. Wolfersperger. 2,499,207, Feb. 28.

Burner for unit heaters. Pot type liquid fuel. G. R. Neumann, E. F. Farrell, and E. J. Effinger. 2,498,817, Feb. 28.
Burner head with rod means to anchor tuyére blocks, Stoker. H. R. Geary. 2,499,189, Feb. 28.
Button set, Detachable. B. W. and S. H. Birnkrant. 2,499,086, Feb. 28.
Cabinet: *See*—
Table type radio cabinet.
Cabinet for dust mops, Vacuum cleaning. A. D. Fairgrieve. 2,499,183, Feb. 28.
Cabinet for garments or fabrics, Moistening. J. E. Hartley. 2,499,064, Feb. 28.
Calendar charactered slide type. C. P. Potter. 2,499,329, Feb. 28.
Calibration apparatus for radio receiver. D. D. Grieg. 2,498,676, Feb. 28.
Candelabra, Automatic. D. G. Sipes. 2,499,118, Feb. 28.
Cap for Venetian blind slats, End. S. D. Bradley. 2,498,909, Feb. 28.
Carpet fastener. J. F. Gibson. 2,498,991, Feb. 28.
Carrier: *See*—
Bottle carrier.
Tow target carrier.
Carrier, tandem seat, and basket, Combination luggage. C. H. Easley. 2,498,663, Feb. 28.
Case: *See*—
Refrigerated display case.
Caster structure. C. R. Nalle. 2,499,277, Feb. 28.
Catalyst preparation. R. L. Parker, Jr. 2,499,255, Feb. 28
Catalysts and the preparation thereof, Aromatization. R. M. Roberts, F. T. Eggertsen, and B. S. Greensfelder. 2,498,709, Feb. 28.
Cathode. B. P. De Lany and P. L. Copeland. 2,498,879, Feb. 28.
Cathode construction. W. W. Watrous, Jr. 2,498,775, Feb. 28.
Cathode, Dispenser type. J. M. Lafferty. 2,499,192, Feb. 28.
Cathode-ray beam deflection circuit. R. C. Webb. 2,499,080, Feb. 28.
Cattle treating apparatus. J. P. Turner. 2,499,174, Feb. 28.
Ceiling board jack. I. Sellers. 2,499,005, Feb. 28.
Cell, Flat type alkaline dry. F. D. Williams, Jr. 2,499,239, Feb. 28.
Cellulose derivatives, Preparation of. R. F. Thompson. 2,498,773, Feb. 28.
Cellulose propionate, Plasticized. L. S. Birnbaum, J. H. Prichard, and W. D. Paist. 2,498,750, Feb. 28.
Cellulosic materials with diazonium salts and naphthyl ethers, Coloring. L. H. Bock and P. L. de Benneville. 2,498,875, Feb. 28.
Center for lathes, etc., Live. H. J. Coles. 2,499,131, Feb. 28.
Centrifugally operated switch. W. Z. West, Jr. and M. F. Gamble. 2,499,122, Feb. 28.
Chain: *See*—
Timing chain.
Chair: *See*—
Retracting type theater chair.
Charging apparatus. M. G. Shoemaker. 2,499,170, Feb. 28.
Check, Picker stick. C. Galland. 2,499,023, Feb. 28.
Checking device, Item. A. D. Olson and I. A. Morris. 2,498,703, Feb. 28.
Chemical product. J. K. Y. Hum. 2,498,684, Feb. 28.
Chlorosilanes. G. H. Wagner. 2,499,009, Feb. 28.
Circuit: *See*—
Cathode-ray beam deflection circuit.
Electronic signal shaping circuit.
Double time constant automatic volume control circuit.
High-frequency tuning circuit.
Pulse forming circuit.
Electronic impulse counting circuit.
Thermionic amplifier circuit.
Circuit arrangement for electric discharge devices. R. H. Dunn and P. W. Lennox. 2,498,986, Feb. 28.
Circuit for electrical regulators, Antihunting. H. G. Haas. 2,499,272, Feb. 28.
Circuits, Electric counting. A. H. Reeves. 2,498,708, Feb. 28.
Circuits, High-frequency protective. P. L. Spencer. 2,498,719, Feb. 28.
Circuits, High-frequency protective. N. R. Wild and H. W. Cockrill. 2,498,720, Feb. 28.
Clamp: *See*—
Corner clamp.
Wall supported container lid clamp.
Pivotal hook clamp.
Cleaner: *See*—
Pot cleaner.
Vacuum cleaner.
Cleaning apparatus, Fish. M. K. Kuther. 2,498,993, Feb. 28.
Cleansing apparatus, Automatic clothes. P. E. Geldhof and L. Ringer. 2,498,885, Feb. 28.
Clip: *See*—
Ornamental ear clip.
Clip for pens or similar articles. S. Kanner. 2,498,857, Feb. 28.
Clock-controlled switch gear. J. W. Ellis. 2,499,270, Feb. 28.
Closure, Self-sealing jar. C. Wadsworth. 2,498,930, Feb. 28.
Clothesline reel. L. R. White. 2,499,123, Feb. 28.
Cloud point indicator. L. Clardy. 2,498,941, Feb. 28.
Clutch: *See*—
Electromagnetic clutch.
Roller type overrunning clutch.
Coatings on zinc, Producing surface conversion. J. E. Stareck. 2,499,231, Feb. 28.
Cock or valve, Liquid. B. J. M. Jungerhans. 2,499,318, Feb. 28.
Coin controlled device. L. A. Thatcher. 2,499,121, Feb. 28.
Combined forced draft and convection air flow space heater. K. S. Jenson. 2,499,067, Feb. 28.
Combustion apparatus. S. Way. 2,498,728, Feb. 28.
Communication of intelligence. D. D. Grieg. 2,498,677, Feb. 28.
Communication system. P. N. Bossart. 2,499,180, Feb. 28.
Communication system, Mine. J. A. McNiven. 2,499,195, Feb. 28.
Communication system, Multiplex electrical pulse. D. D. Grieg. 2,498,678, Feb. 28.
Communication system with Wheatstone bridge detector, Proximity. G. W. Baughman. 2,499,177, Feb. 28.
Compensator, Backlash. J. B. Armitage and T. F. Eserkaln. 2,498,870, Feb. 28.
Compensator, Backlash. K. A. Riedel. 2,498,897, Feb. 28.
Composition to improve circulation of blood in vascular disorders. R. R. Widmann. 2,498,777, Feb. 28.
Composition to increase the absorption by the body of histamine. R. R. Widman. 2,498,778, Feb. 28.
Compositions and methods for depositing amorphous metal-phosphate coatings on metal surfaces. H. I. Rosenbloom. 2,499,261, Feb. 28.
Concealed antenna support. M. R. Friedberg, L. H. Finneburgh, Jr., and T. R. Finke. 2,499,137, Feb., 28.
Concealed bed lamp. B. Cones. 2,498,942, Feb. 28.
Connector: *See*—
Electric connector.
Self-locking electrical connector.
Extensible connector.
Container and closure therefor, Bag-type. F. Lobl. 2,499,150, Feb. 28.
Container and display stand, Package. F. R. High. 2,498,757, Feb. 28.
Container for fishhooks. L. W. Vogel. 2,499,042, Feb. 28.
Control for gas burners, Automatic safety. R. E. Newell. 2,499,253, Feb. 28.
Control knob. H. D. Brotman. 2,498,835, Feb. 28.
Control mechanism for machine tools. E. K. Morgan. 2,499,152, Feb. 28.
Control mechanism for stud securing apparatus. W. S. Miles. 2,499,227, Feb. 28.
Control mechanism for variable-speed transmissions. M. Mallory. 2,499,071, Feb. 28.
Control of end clearances of rotors. G. E. Chittenden. 2,498,911, Feb. 28.
Control system, Automatic maximizing. J. Dyson. 2,499,182, Feb. 28.
Control system, Remote position. G. Deakin. 2,498,654, Feb. 28.
Control system, Remote self-synchronous. A. G. Cooley. 2,499,132, Feb. 28.
Controller, Stock. R. E. Bowen. 2,498,876, Feb. 28.
Controlling device, Automatic aperture. J. C. Mather and F. G. Shenton. 2,499,322, Feb. 28.
Controlling dust in sintering operations. W. H. Pettigrew. 2,498,766, Feb. 28.
Controlling means for heating devices. S. Forbes. 2,498,884, Feb. 28.
Converting fibrous material to be processed in the woolen system. R. C. Wilkie. 2,499,175, Feb. 28.
Converting lower-boiling ketones into higher-boiling ketones. E. F. Smith. 2,499,172, Feb. 28.
Cooler and conditioner, Evaporative air. J. E. Nogle. 2,498,818, Feb. 28.
Cooler construction, Oval oil. J. C. Shaw and E. H. Kidd. 2,498,827, Feb. 28.
Cooling system, temperature control, Radiator. R. W. Barrell. 2,499,176, Feb. 28.
Core, Cylindrical magnetic. G. Nahman. 2,498,702, Feb. 28.
Cork compositions. J. W. Baymiller. 2,498,638, Feb. 28.
Corner clamp. J. L. Thornburg. 2,498,725, Feb. 28.
Counter, Bottle. J. H. Irons. 2,499,143, Feb. 28.
Counterbalancing device. R. R. Candor. 2,498,877, Feb. 28.
Coupler. E. P. Kinne. 2,498,958–9, Feb. 28.
Coupler, Combination. F. Meier and C. H. Rittenhouse. 2,498,764, Feb. 28.
Coupling: *See*—
Fifth wheel coupling.
Transversely movable piston type hydraulic coupling.
Coupling. G. Fast. 2,499,093, Feb. 28.
Coupling. R. Lovell. 2,499,104, Feb. 28.
Coupling device, Locomotive. R. M. Dilworth. 2,499,300, Feb. 28.
Coupling mechanism for tractor-trailer combination. J. J. Black. 2,498,847, Feb. 28.
Coupling 3,5-dimethylphenylmethyl ethers of cellulose with diazonium salts. L. H. Bock and P. L. de Benneville. 2,498,874, Feb. 28.

Cover: *See*—
Beehive cover.
Ironer roll cover.
Cracking of diisobutylene, Catalytic. F. B. Johnson. 2,498,840, Feb. 28.
Crusher having a floating ring, Gyratory. S. W. Traylor, Jr. 2,498,774, Feb. 28.
Cultivator. W. A. Hyland. 2,498,887, Feb. 28.
Cultivator, Winged. W. A. Hyland and E. E. Schnell. 2,498,888, Feb. 28.
Cutting element and the manufacture thereof, Abrasive type. G. Davies. 2,498,982, Feb. 28.
Cutter: *See*—
Pastry cutter.
Cutting machine. W. C. Rachels. 2,498,707, Feb. 28.
Dart, Casting. R. M. McElroy. 2,499,029, Feb. 28.
Demodulator and channel separator system. A. Lesti. 2,498,688, Feb. 28.
Detector mechanism, Front edge. H. T. Backhouse. 2,499,125, Feb. 28.
Device for adjustably positioning spaced magnetic fields. M. R. Heppner. 2,499,065, Feb. 28.
Device for covering openings in enclosed machines. V. R. Holmgren. 2,499,190, Feb. 28.
Device for peeling potatoes. J. Baumann. 2,499,291, Feb. 28.
Device to check bore diameters at preselected depths. B. J. Marascio. 2,499,251, Feb. 28.
Diazo complexes, Solid. J. M. Straley. 2,498,722, Feb. 28.
Differential and ratio control. R. A. Arthur. 2,498,633, Feb. 28.
Dilator and medicator, Rectal. F. R. Walker and F. H. Young. 2,499,045, Feb. 28.
Director, Breeze. N. B. Beard. 2,499,127, Feb. 28.
Discharge device, Metal envelope electric. W. T. Posey. 2,499,197, Feb. 28.
Dispenser: *See*—
Liquid dispenser.
Shaker dispenser.
Dispenser having a rotatably positionable register, Liquid fuel. J. B. Moore. 2,499,031, Feb. 28.
Dispensing device for bait. D. L. Davis. 2,498,795, Feb. 28.
Display device. H. H. Hutt. 2,498,855, Feb. 28.
Door check and closer. J. Hines. 2,498,758, Feb. 28.
Door lock. J. H. Roethel. 2,499,111, Feb. 28.
Double time constant automatic volume control circuit. J. W. Hayward. 2,498,839, Feb. 28.
Dowel pin. E. T. Kindt. 2,499,146, Feb. 28.
Dragsaw. C. Schurman. 2,499,168, Feb. 28.
Drain for toilet fixtures, Floor. A. Shobe. 2,499,115, Feb. 28.
Drawer or like receptacle. F. M. J. Curran. 2,499,299, Feb. 28.
Drive, Gear pump type variable speed liquid. M. W. Boxer. 2,498,733, Feb. 28.
Drive mechanism, Two-speed. G. T. Hemmeter. 2,499,219, Feb. 28.
Drive, Torque controlled liquid torque. B. F. Kenyon. 2,499,099, Feb. 28.
Drum and squeeze roll, Fiber pickup. E. H. Brooks, Sr. 2,498,646, Feb. 28.
Dual spindle machine tool. E. R. Lochman. 2,499,193, Feb. 28.
Duct or the like. F. Deitsch. 2,498,753, Feb. 28.
Dyestuff, Monazo. K. F. Conrad. 2,499,133, Feb. 28.
Dynamo electric machine and making same. P. I. Chandeysson. 2,499,211, Feb. 28.
Dynamometer, Impact. J. M. Oberholtzer. 2,499,033, Feb. 28.
Earth boring tool. G. L. Michael. 2,499,252, Feb. 28.
Earthenware and glaze therefor, Glazing. A. F. M. Claudet. 2,498,912, Feb. 28.
Educational device, Electric. P. V. McCash. 2,499,323, Feb. 28.
8-haloxanthine salts of diarylalkyl dialkylaminoalkyl ethers. J. W. Cusic. 2,499,058, Feb. 28.
Electric connector. S. N. Buchanan. 2,499,296–7, Feb. 28.
Electric water heater. P. L. Fowler. 2,498,950, Feb. 28.
Electrical receptacle. F. G. Bellek. 2,498,642–3, Feb. 28.
Electromagnetic clutch. H. Plantet. 2,499,036, Feb. 28.
Electromagnetic device and making the same. D. E. Wiegand. 2,498,747, Feb. 28.
Electronic impulse counting circuit. E. Baldinger. 2,498,908, Feb. 28.
Electronic multiple pulse generator. D. M. Bassett and G. A. Langston. 2,498,636, Feb. 28.
Electronic signal shaping circuit. E. H. Schoenfeld. 2,498,900, Feb. 28.
Ellipsograph. O. P. Edwards. 2,498,798, Feb. 28.
Emergency exit. L. P. Perkins. 2,499,035, Feb. 28.
Emulsifier and making same. T. Robinson and C. H. Bascom. 2,499,002, Feb. 28.
Engine: *See*—
Rotary valve internal-combustion engine.
Engine control mechanism. M. U. Jopperi and C. I. Monaghan. 2,499,317, Feb. 28.
Engine cooling apparatus. T. J. Bay. 2,498,637, Feb. 28.
Engine protective control system. T. O. Lilliquist. 2,499,319, Feb. 28.
Erecting system for gyroscopes. R. F. Wehrlin. 2,499,238, Feb. 28.
Ethylene, Production of. K. H. Hachmuth. 2,498,806, Feb. 28.
Evaporator. F. W. Emhardt. 2,499,302, Feb. 28.
Explosive composition. G. A. Lyte. 2,499,321, Feb. 28.
Extensible connector. S. Levine. 2,499,102, Feb. 28.
Extraction and recovery of rutin. J. Charney. 2,498,849, Feb. 28.
Extrusion device. L. E. Gaenzle. 2,498,670, Feb. 28.
Fan guard mounting. J. H. Viewegh. 2,498,968, Feb. 28.
Fastener: *See*—
Carpet fastener.
Paper fastener.
Irrigation tube joint fastener.
Fastening element for wall and ceiling constructions. A. C. Olsen. 2,499,278, Feb. 28.
Feed heater. P. P. Vergottis. 2,499,041, Feb. 28.
Feed mechanism for fruit orienting and pitting machines. E. W. Carroll. 2,499,266, Feb. 28.
Feeding and tensioning means for continuous film. J. H. and D. F. Smith. 2,499,119, Feb. 28.
Fifth wheel coupling. S. E. Wood. 2,499,013, Feb. 28.
Film drive filter. S. E. Bartelson. 2,499,210, Feb. 28.
Film exchanger, Tubular falling. N. A. Copeland. 2,498,752, Feb. 28.
Film viewer and reproducing system, Projection. W. A. Mueller and J. T. Wissmann. 2,498,895, Feb. 28.
Filter: *See*—
Film drive filter.
Filtering apparatus. G. Miller. 2,499,325, Feb. 28.
Finishing gears. G. H. Sanborn. 2,499,167, Feb. 28.
Fireplace. P. Paolella. 2,499,156, Feb. 28.
Fishline reel pole mounting. E. W. Christen. 2,498,648, Feb. 28.
Fishing plug. R. C. Fehely. 2,498,800, Feb. 28.
Fishing reel. E. S. Duncan. 2,498,987, Feb. 28.
Fishing tackle. R. McVay. 2,498,815, Feb. 28.
Fitting, Tube. C. E. Hollyday, Jr. 2,499,024, Feb. 28.
5-hydroxymethyl 2-furfural, Manufacture of. W. N. Haworth and L. F. Wiggins. 2,498,918, Feb. 28.
Fixture, Electric lighting. S. Kasher. 2,499,250, Feb. 28.
Folding holder. A. O. Sodergren. 2,499,334, Feb. 28.
Folding ironing board. E. W. Shaw. 2,499,078, Feb. 28.
Follow-up system. R. Hofstadter. 2,499,222, Feb. 28.
Follower, Curve. T. M. Berry and H. L. Clark. 2,499,178, Feb. 28.
Forearm for firearms. C. H. Benson. 2,498,749, Feb. 28.
4-methyleneamino-pyrazolone derivative. M. E. Bouvier. 2,499,265, Feb. 28.
Frame with hinged clips therefor, Filter. R. J. Brandt. 2,499,294, Feb. 28.
Frequency modulating system. R. Aubert. 2,499,014, Feb. 28.
Frequency modulating system for locating impedance irregularities. E. I. Green. 2,499,001, Feb. 28.
Frequency modulation system for locating impedance irregularities. D. A. Quarles. 2,499,000, Feb. 28.
Fuel burning apparatus. M. H. Kuhner. 2,498,761, Feb. 28.
Fuel control, Gas turbine tail burner. W. S. Bobier, Jr. 2,498,939, Feb. 28.
Furfuryl alcohol resinous product, Making a. P. L. McWhorter. 2,499,275, Feb. 28.
Furnace: *See*—
Vertical loop furnace.
Furnace, including ashpit air pressure responsive grate dumping means. H. O. Bowaman. 2,498,787, Feb. 28.
Galvanometer movement, Differential. S. H. Towner. 2,498,726, Feb. 28.
Gas analysis. R. E. Fearon. 2,499,020, Feb. 28.
Gas burner of the type in which combustion is accomplished in a refractory lined combustion chamber. F. O. Hess. 2,499,218, Feb. 28.
Gas safety burner. R. E. Newell. 2,499,073, Feb. 28.
Gas turbine plant. R. Strub. 2,499,232, Feb. 28.
Gasket unit for swivel connections. N. A. Espegren. 2,498,915–16, Feb. 28.
Gastrointestinal tube. M. P. Mains. 2,498,692, Feb. 28.
Gauge for cutoff saw tables. E. A. Snow. 2,498,865, Feb. 28.
Gauge for oil burners. E. M. Peterson. 2,498,823, Feb. 28.
Gauging tool. H. H. Talboys. 2,498,742, Feb. 28.
Gear: *See*—
Airplane landing gear.
Clock-controlled switch gear.
Gear changing system. B. S. Olsson. 2,498,821, Feb. 28.
Gear pump. M. C. Caughrean. 2,498,790, Feb. 28.
Gear unit. A. P. Brush. 2,498,848, Feb. 28.
Gearing for driving coaxial shafts. H. S. Phelan. 2,498,767, Feb. 28.
Gearing, Transmission. W. L. Sheppard. 2,498,828, Feb. 28.
Gels of hydrolyzed vinyl fluoride/vinyl acetate copolymers, Thermoreversible. B. W. Howk and L. Plambeck, Jr. 2,499,097, Feb. 28.
Generator: *See*—
Electronic multiple pulse generator.
Ion generator
Radio-frequency power generator.
High-frequency current generator.
Signal generator.
Generator and heat exchanger in an absorption refrigerator. W. L. Edel. 2,498,945, Feb. 28.
Generator control system. R. M. Critchfield and P. L. Schneider. 2,498,793, Feb. 28.

Gluer, Ticket. C. S. Callaway and C. C. Light. 2,499,017, Feb. 28.
Golf balls, Making. R. F. Smith. 2,499,344, Feb. 28.
Governor and idle control, Electric. L. S. Troy. 2,499,263, Feb. 28.
Grinder, Drill. G. Munro. 2,498,701, Feb. 28.
Grinding machine, Disk. F. P. Froese. 2,498,951, Feb. 28.
Guide for barn cleaner conveyers. V. L. Custer. 2,499,212, Feb. 28.
Guide for flush tanks, Lever. S. Gertz. 2,498,952, Feb. 28.
Guide patch. G. V. Whittle. 2,498,729, Feb. 28.
Guide, Power transmission belt. D. H. Taylor. 2,499,173, Feb. 28.
Guitar body construction. T. W. Mitchell. 2,498,926, Feb. 28.
Gun, Air. W. S. Wells. 2,499,340, Feb. 28.
Hair curler. R. K. Weaver. 2,499,204, Feb. 28.
Hair curler, Hollow. N. O. Stimson. 2,499,285, Feb. 28.
Hair curling device. J. Tusay. 2,498,830, Feb. 28.
Handle assembly for switches, Actuating. G. C. Crom. 2,498,651, Feb. 28.
Hanger: *See*—
Sash hanger.
Harness, Fishing. A. B. Smith. 2,499,117, Feb. 28.
Hayrake, Dump. W. D. Crain. 2,498,650, Feb. 28.
Headset. C. D. Mullin. 2,498,960, Feb. 28.
Heat distributing means, Deicer. R. B. Park. 2,499,034, Feb. 28.
Heat exchange. V. Voorhees. 2,499,043, Feb. 28.
Heat setting of textile fabrics. W. G. Helmus. 2,499,142, Feb. 28.
Heat-treatment of webs of textile materials. W. G. Helmus. 2,499,141, Feb. 28.
Heater: *See*—
Combined forced draft and convection air flow space heater.
Electric water heater.
Feed heater.
Oil-burning heater.
Heater. T. H. Sherman. 2,498,717, Feb. 28.
Hexachlorocyclohexane, Production of. D. B. Stormon. 2,499,120. Feb. 28.
High-frequency current generator. H. J. O'Neil. 2,499,155, Feb. 28.
High-frequency tuning circuit. M. Wallace. 2,498,932, Feb. 28.
Hitch, Trailer. D. S. Weiss. 2,498,776, Feb. 28.
Hob. S. M. Stafford. 2,498,721, Feb. 28.
Holder: *See*—
Folding holder.
Thread holder.
Work holder.
Holder for cakes, Candle. A. R. Steinhilb. 2,499,079, Feb. 28.
Holder for heating units, Insulating. K. R. Kuenne. 2,498,842, Feb. 28.
Holder for spectacles. J. T. Griffith, Jr. 2,499,140, Feb. 28.
Hood, Suction. M. I. Dorfan. 2,499,301, Feb. 28.
Hook: *See*—
Sorting reel hook.
Hose ends, Making. L. B. Courtot. 2,499,241, Feb. 28.
Housing, Relay. G. O. Hagenbach. 2,498,807, Feb. 28.
Hydraulic jack. J. J. Mueller. 2,498,698, Feb. 28.
Hydraulic starting mechanism. J. C. Molyneux and C. E. Bournique. 2,498,697, Feb. 28.
Hydraulic system for plural motor operation. L. D. Tyson. 2,499,235, Feb. 28.
Hydrocarbon conversion. H. O. Holkins. 2,498,883, Feb. 28.
Hydrocarbon conversion, Method and apparatus for. L. P. Evans. 2,499,304. Feb. 28.
Hydrocarbon synthesis reaction. L. B. Smith and R. W. Krebs. 2,498,845. Feb. 28.
Hydrochloric acid, Inhibited. H. A. Robinson. 2,499,283, Feb. 28.
Hydrogen fluoride, Recovery of. P. H. Carnell. 2,498,789, Feb. 28.
Ice, Making. F. J. Bobby. 2,498,645. Feb. 28.
Ignition system for internal-combustion engines. W. Luttmer. 2,498,860, Feb. 28.
Impact and acceleration testing. G. R. Sears, R. D. Rae, and J. A. Van den Akker. 2,498,844. Feb. 28.
Implement for tying knots. G. H. Holland. 2,498,920, Feb. 28.
Impressions of objects, Making. W. J. Mead. 2,499,324, Feb. 28.
Impulse stimulating apparatus. J. A. Fizzell and J. G. Golseth. 2,498,882, Feb. 28.
Inclinometer and accelerometer, Photoelectric. W. B. McLean and I. H. Swift. 2,498,997, Feb. 28.
Index embodying a plurality of swingable panels, Visible. M. B. Hall. 2,498,808, Feb. 28.
Indicating and finding system, Direction. J. I. Heller. 2,498,919, Feb. 28.
Indicator: *See*—
Airplane stall indicator.
Cloud point indicator.
Pocket parliamentary law indicator.
Indicator for aircraft, Telemetric altitude. M. Wallace. 2,498,933, Feb. 28.
Induction motor. E. P. Oswald. 2,498,704, Feb. 28.
Inertia operated pivoted bolt lock. V. A. Browning. 2,499,090, Feb. 28.
Ink, Intaglio. L. Lambelet and W. Jaeck. 2,498,812, Feb. 28.
Inks and vehicles therefor. H. A. Sell and H. Cole. 2,499,004, Feb. 28.
Inserting attachment links in conveyer chains, Method and apparatus for. J. Teerlink, J. D'Mohowski, and N. E. Pearson. 2,499,336, Feb. 28.
Instrument, Impulse transmitter test. O. C. From. 2,498,669, Feb. 28.
Instrument, Stringed musical. J. W. McBride. 2,499,194, Feb. 28.
Insulator. W. E. Waeide. 2,498,869, Feb. 28.
Interchangeable illuminated letter sign. H. R. Yates. 2,499,049, Feb. 28.
Ion generator. J. G. Backus. 2,499,289, Feb. 28.
Ion generator. R. Loevinger. 2,499,320, Feb. 28.
Ion source. L. D. P. King. 2,498,841, Feb. 28.
Iron: *See*—
Steam generating electric pressing iron.
Ironer roll cover. R. B. Baker. 2,499,015, Feb. 28.
Irrigation tube joint fastener. H. L. Yager. 2,499,048, Feb. 28.
Isobutylene, Manufacture of. W. C. Offutt. 2,498,999, Feb. 28.
Isopropyl palmitate solution of lanolin cosmetic. J. R. Verblen. 2,498,727, Feb. 28.
Jack: *See*—
Ceiling board jack.
Hydraulic jack.
Jamming device, Radio. H. Wilkie. 2,498,731, Feb. 28.
Jig. M. Mascolo. 2,498,693, Feb. 28.
Joint: *See*—
Multiring standard taper ground glass joint.
Pipe joint.
Universal joint.
Journal lubricator. J. J. Hennessy. 2,499,096, Feb. 28.
Kit, Toilet. C. J. Eduard. 2,498,664, Feb. 28.
Knockdown display stand. K. D. Mowrer and C. N. Jackson. 2,498,998, Feb. 28.
Labeling machine, Article. P. E. Fischer and E. Ardell. 2,498,667, Feb. 28.
Laminar structure. L. E. Daly. 2,498,652–3, Feb. 28.
Lamp: *See*—
Concealed bed lamp.
Latch bolt keeper. J. H. Roethel. 2,499,165, Feb. 28.
Lathe, Automatic. A. Bechler. 2,498,783, Feb. 28.
Laundry machine having vertically reciprocable tub. J. F. Horvath. 2,499,025, Feb. 28.
Lavatory and like for articulated beds. R. R. Freund. 2,498,736, Feb. 28.
Lawn mower. M. B. Downer. 2,498,796, Feb. 28.
Lettering device having a removable layout support over a film support, Photographic. G. A. Lohr. 2,498,690, Feb. 28.
Lifting apparatus, Invalid. V. C. Hassold and J. T. Ullom. 2,498,853, Feb. 28.
Lifting rod. J. G. Kershaw. 2,499,027, Feb. 28.
Lighting apparatus, Photographic flash. R. C. Beck. 2,498,640, Feb. 28.
Lime, Burning. B. E. Roethell. 2,498,710, Feb. 28.
Liquid dispenser. J. R. Wolfe. 2,499,205, Feb. 28.
Liquid treatment apparatus. N. R. Collins and A. E. Esterberg. 2,499,054, Feb. 28.
Liquids, Preserving edible. A. Franklin. 2,499,243, Feb. 28.
Loader, Web belt. M. J. Grebowiec. 2,499,139, Feb. 28.
Lock: *See*—
Door lock.
Inertia operated pivoted bolt lock.
Locking and releasing device for shift keys on typewriters, Automatic. R. Büchel. 2,499,053, Feb. 28.
Locking device in irreversible transmissions. S. Pile. 2,498,843, Feb. 28.
Log-debarker having swingable frame mounting a driven feed wheel, Portable. O. Bouchard. 2,498,786, Feb. 28.
Lubricant-dispensing apparatus. R. J. Gray. 2,499,061, Feb. 28.
Lubricator: *See*—
Journal lubricator.
Lubricants and extreme pressure additives therefor. E. B. Cyphers and L. J. Osborne, Jr. 2,499,628, Feb. 28.
Machine for applying helical fins to cylindrical bodies by means including ironing tools. E. S. Lea. 2,498,813, Feb. 28.
Machine for applying polish to floors and like surfaces. E. A. M. Johnson. 2,499,026, Feb. 28.
Machine for flanging cylindrical shells. L. H. Johnson. 2,498,686, Feb. 28.
Machine for making corrugated paperboard. W. S. Conner. 2,499,267, Feb. 28.
Machine for making ribbed strips for insoles. A. S. Clark. 2,498,751, Feb. 28.
Machine for molding articles. J. E. Balasquide. 2,499,209, Feb. 28.
Machine for the production of wire ropes. C. J. Holm. 2,498,921, Feb. 28.
Machine for trimming horses' feet. P. H. Howe. 2,499,098, Feb. 28.
Machine structure, Dynamoelectric. W. J. O'Brien. 2,499,326, Feb. 28.
Magnetically operated switch. H. Hubbell. 2,498,683, Feb. 28.
Magnetron. J. W. McNall. 2,498,763, Feb. 28.
Mask. L. J. Fitzsimmons. 2,498,668, Feb. 28.
Mask, Photographic printing. P. A. Sperry. 2,498,741, Feb. 28.
Measuring system, Load. F. R. Eldridge, Jr. 2,498,881, Feb. 28.

Mercaptan synthesis. R. T. Bell and C. M. Thacker. 2,498,872, Feb. 28.
Metadyne generator and prime mover control. J. M. Pestarini. 2,498,765, Feb. 28.
Metal to glass seal, Manufacturing a. W. A. Billings. 2,498,644, Feb. 28.
Mineral aggregate and making same, Coated. J. Petitjean. 2,498,862, Feb. 28.
Mineral oil composition. E. A. Oberright. 2,498,961, Feb. 28.
Mixer: *See*—
Portable mixer.
Mixing device, Agitating. C. F. Warren. 2,499,203, Feb. 28.
Modulator, Single side band. N. V. Peterson. 2,499,279, Feb. 28.
Mold and cutting lubricant, Rubber. W. G. Kunze. 2,499,028, Feb. 28.
Motor: *See*—
Induction motor.
Motor drive for medical syringes. G. B. Glass. 2,498,672, Feb. 28.
Motor for visual indicator units, Magnetic. E. W. Johnson. 2,499,316, Feb. 28.
Mount, Picture slide. G. K. Lewis. 2,498,738, Feb. 28.
Mount, Shock absorbing trailer. F. L. Winchester. 2,498,780, Feb. 28.
Mounting: *See*—
Archery arrow nock mounting.
Fishline reel pole mounting.
Fan guard mounting.
Mounting for looms, Crankshaft. W. H. Bahan. 2,499,050, Feb. 28.
Muffler with plural tubular passages, Baffle type. F. and N. Christiano. 2,499,018, Feb. 28.
Multiring standard taper ground glass joint. J. E. Metzkier. 2,499,106, Feb. 28.
Multiway electric switch. L. Gurevsky. 2,498,805, Feb. 28.
Navigation system, Radio. E. O. Willoughby. 2,498,732, Feb. 28.
Necktie. E. Rhein. 2,499,260, Feb. 28.
Necktie and construction. I. K. Trau. 2,499,286, Feb. 28.
Necktie rack. P. Pestyner. 2,499,159, Feb. 28.
Needle, Phonograph. G. M. Mencke. 2,499,196, Feb. 28.
Neutron detection. G. Herzog and K. C. Crumrine. 2,499,311. Feb. 28.
Nicotinic acid anhydride. C. O. Badgett and C. F. Woodward. 2,498,634, Feb. 28.
Nitriles, Production of. J. N. Cosby and M. Erchak, Jr. 2,499,055, Feb. 28.
Nozzle, Fog. T. W. Burnam. 2,499,092, Feb. 28.
Nozzle, Spray. A. H. Bahnson, Jr. 2,499,084, Feb. 28.
Nozzle, Spray. L. Fletcher. 2,499,021, Feb. 28.
Nut conveying and hold-down means for nut halving machines. E. J. Patterson. 2,498,962, Feb. 28.
Objective having two outer positive components and two inner negative meniscus components with one cemented surface, Large aperture spherically corrected. C. G. Wynne. 2,499,264. Feb. 28.
Obtaining color registry in offset printing. H. C. Kessler, Jr. 2,499,100, Feb. 28.
Oil-burning heater. O. C. Griewank. 2,499,308, Feb. 28.
Oil composition, Lubricating. D. E. Badertscher, C. F. Feasley, and H. G. Berger. 2,498,863, Feb. 28.
1-chloro-2-carboxyanthraquinone, Preparing. M. Scalera. 2,499,003, Feb. 28.
1,1,1-difluorochloroethane, Photochemical manufacture of. J. D. Calfee and P. A. Florio. 2,499,129, Feb. 28.
Operating an electric switch at a predetermined time. H. Ward. 2,499,046, Feb. 28.
Organic compounds, Stabilization of. R. B. Thompson. 2,498,630, Feb. 28.
Ornamental ear clip. M. Barron. 2,498,748, Feb. 28.
Oscillator and modulator, Wide band. N. I. Korman. 2,498,759, Feb. 28.
Oven, Infrared baking. E. T. Carlson. 2,498,878, Feb. 28.
Oven method, Horizontal coke. J. Becker. 2,498,784. Feb. 28.
Pad with strap fastener, Heating. J. D'Albora. 2,498,983, Feb. 28.
Paint, Water-emulsion. L. L. Ryden. 2,498,712, Feb. 28.
Pan, Self-basting frying. H. Ashworth and F. P. Healy. 2,499,083, Feb. 28.
Paper fastener. S. Segal. 2,498,901, Feb. 28.
Parallel operation of vibrator systems. J. A. Mas. 2,498,893, Feb. 28.
Pasting machine and trimmer, Wallpaper. C. E. McClure. 2,498,996, Feb. 28.
Pastry cutter. R. D. Harris. 2,499,309, Feb. 28.
Pastry whip. E. S. Nordgarden. 2,499,074, Feb. 28.
Pedal clavier for musical instruments. L. Hammond and G. H. Stephens. 2,499,244, Feb. 28.
Pedal for motor vehicles, Combined. F. M. Redmon, Sr. 2,499,280, Feb. 28.
Pelorus having adjustable prism and reflection shield. H. Phillips. 2,498,768, Feb. 28.
Penicillin, Preparing. Q. R. Bartz. 2,499,290, Feb. 28.
Peptides, Preparation of. O. H. Emerson. 2,498,665. Feb. 28.
Perhalocyclohexadienes. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,498,891, Feb. 28.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,498,656–8. Feb. 28.
Phase detection and tuner control system. J. G. Beard and R. F. Dressler. 2,498,871, Feb. 28.
Phonograph record rack. C. L. Hinsdale. 2,499,221, Feb. 28.
Pickup unit, Magnetostrictive phonograph. S. R. Rich. 2,499,110, Feb. 28.
Picker and harvester, Vacuum. D. Roles. 2,499,037, Feb. 28.
Picker stick and mounting therefor. W. C. Payne. 2,499,256, Feb. 28.
Pickling of magnesium and its alloys. H. K. De Long. 2,499,269, Feb. 28.
Pile stop mechanism. G. G. Erland and A. B. Pearson. 2,498,989, Feb. 28.
Pin: *See*—
Dowel pin.
Pipe joint. C. Keller. 2,498,924, Feb. 28.
Pipe joint. F. J. Veitch. 2,498,831. Feb. 28.
Piston and cylinder assembly. F. F. Warner, M. L. Brooks, and J. E. Bardelmeier. 2,498,971, Feb. 28.
Pivot for railroad and the like vehicles, Elastic. P. M. Bourdon. 2,499,087, Feb. 28.
Pivotal hook clamp. C. J. Krajenka. 2,498,858, Feb. 28.
Pivoted outer jaw wrench. C. H. Ortman. 2,499,327, Feb. 28.
Plug: *See*—
Fishing plug.
Spark plug.
Pocket parliamentary law indicator. E. M. Hazel. 2,498,854, Feb. 28.
Polishing machine with reciprocating polishing belt, Electric shoe. G. T. Fielding. 2,498,947, Feb. 28.
Polymers of 2-vinyldibenzothiophene. R. G. and L. W. Flowers. 2,499,187, Feb. 28.
Polyvinyl resin emulsions. E. C. Cottet and R. L. F. Chazal. 2,498,792, Feb. 28.
Portable ladder support. E. E. Brubaker. 2,499,091, Feb. 28.
Portable mixer. R. N. Brookins. 2,499,052, Feb. 28.
Portable resuscitating table. M. M. Fleming. 2,499,242, Feb. 28.
Post, Garment buttoning. E. Suhajda. 2,498,866, Feb. 28.
Pot cleaner. V. J. Gentile. 2,498,803, Feb. 28.
Pot, Electrically heated glue. C. H. Henderson. 2,498,955, Feb. 28.
Potentiometer. C. F. Schaefer. 2,498,967. Feb. 28.
Power unit, Hydraulic. M. W. Huber. 2,498,810, Feb. 28.
Press: *See*—
Tobacco press.
Presser and stretcher, Garment. P. F. Read. 2,499,109, Feb. 28.
Pressure extrusion apparatus. P. A. Wolff. 2,499,206, Feb. 28.
Pressure responsive switch. H. D. Steinback. 2,499,040, Feb. 28.
Printing and feeding means in cash registers, Drawer controlled. M. A. Goodbar and A. J. Green. 2,499,217, Feb. 28.
Projection for television transmissions, Pulsed light film. L. C. Downes and J. F. Wiggin. 2,499,181. Feb. 28.
Propellant powder, Making. D. S. Bruce and E. L. Klein. 2,499,295, Feb. 28.
Propeller mechanism for boats, Outboard. A. W. Wanzer. 2,499,339. Feb. 28.
Protector: *See*—
Purge protector.
Protractor, Bevel. O. Trefz. 2,498,867, Feb. 28.
Providing adhesion between surfaces. N. A. De Bruyne. 2,499,134, Feb. 28.
Pulley, Clutch. W. C. Lutz. 2,499,224, Feb. 28.
Pulse forming circuit. S. I. Tourshou. 2,499,234, Feb. 28.
Pulse receiving and repeating system, Sensitive gas tube. C. M. Theillaumas. 2,498,723, Feb. 28.
Pump: *See*—
Gear pump.
Rotary pump.
Sliding vane pump.
Variable volume rotary vane pump.
Pump for circulating liquids under vacuum, Wide inlet rotary. E. S. Perry. 2,499,158, Feb. 28.
Purge protector. B. A. Hower. 2,498,922, Feb. 28.
Purification of phenols. C. F. Van Gilder and T. J. Peters, Jr. 2,499,236, Feb. 28.
Quaternary ammonium derivatives from halomethylated polymers of 3,5-dimethylphenyl ethers. P. L. de Benneville and L. H. Bock. 2,499,215, Feb. 28.
Rack: *See*—
Necktie rack.
Phonograph record rack.
Rack and chalk board, Combination chart. D. J. Aiken. 2,499,240, Feb. 28.
Rack for phonograph records. C. L. Hinsdale. 2,499,220, Feb. 28.
Radio-frequency power generator. A. Kreithen. 2,498,760, Feb. 28.
Radio frequency shielded switch. J. B. Atwood and F. J. W. Schoenborn. 2,498,907, Feb. 28.
Radio receiver. D. D. Grieg. 2,498,675, Feb. 28.
Radio system, Duplex. R. S. Bailey. 2,498,635, Feb. 28.
Railroad journal bearing. J. J. Laudig. 2,498,994, Feb. 28.
Raking and loading means for peanut harvesters. H. W. Beaver. 2,499,051, Feb. 28.
Razor, Electric. M. Jay. 2,499,249. Feb. 28.
Razor, Safety. R. T. Sand. 2,499,038, Feb. 28.
Reamer. F. W. Harris. 2,498,756, Feb. 28.

Receiver with means for modifying signal pulses applied to indicators, Panoramic. J. I. Heller. 2,498,954, Feb. 28.
Receptacle: *See*—
Electrical receptacle.
Receptacle filling device. A. J. Lippold. 2,499,149, Feb. 28.
Recording apparatus, Magnetic sound. J. B. Walker. 2,498,746, Feb. 28.
Rectifier, Selenium. A. M. Searle. 2,498,714, Feb. 28.
Rectifier unit. C. A. Escoffery and W. H. Hawk. 2,498,666, Feb. 28.
Rectifier unit. C. A. Kotterman. 2,498,890, Feb. 28.
Reel: *See*—
Clothesline reel. Fishing reel.
Reeling device, Clothesline. O. C. Erickson. 2,498,799, Feb. 28.
Reflector for ultra high frequency radiant energy, Collapsible multicorner. F. W. Dunmore and H. Lyons. 2,498,660, Feb. 28.
Refrigerated display case. E. F. Brill and O. Schroeder. 2,499,088–9, Feb. 28.
Refrigerating apparatus for window mounting. E. S. Dybvig. 2,498,661, Feb. 28.
Refrigerating system, Reverse cycle. A. B. Newton. 2,498,861, Feb. 28.
Regulating apparatus, Voltage. T. B. Somerville. 2,499,200, Feb. 28.
Regulating the temperature of internal-combustion engines. W. M. Jarvis. 2,499,144, Feb. 28.
Relay and its application to the scanning, Electronic. P. M. G. Toulon. 2,499,233, Feb. 28.
Relay, Electromagnetic. E. Frydman. 2,499,216, Feb. 28.
Release device, Parachute. D. Miller. 2,499,107, Feb. 28.
Remote control system for radio receivers. W. W. Macalpine. 2,498,691, Feb. 28.
Removal of magnetic material from furfural. T. L. Cubbage. 2,498,794, Feb. 28.
Remover, Flexible band jar cap. A. J. Webb. 2,498,934, Feb. 28.
Reproducer or recorder head, Sound. M. L. Gayford. 2,498,671, Feb. 28.
Resistor especially adapted for high-frequency power, Noninductive. N. C. Fulmer and J. J. Mason. 2,498,755, Feb. 28.
Retainer for spectacles. A. R. Schiff. 2,499,332, Feb. 28.
Retracting type theater chair. J. J. Roman. 2,499,112, Feb. 28.
Ribbon vibrating mechanism for typewriting machines. E. L. Wise. 2,498,781, Feb. 28.
Ring spinning apparatus. E. R. J. Dufond. 2,499,342, Feb. 28.
Rivet. C. M. Johnson. 2,499,315, Feb. 28.
Rock bit. W. A. Roberts. 2,499,282, Feb. 28.
Rod: *See*—
Lifting rod.
Roll, Calender. L. Eaby. 2,498,662, Feb. 28.
Roller, Curtain stretcher. J. V. Piercey. 2,498,963, Feb. 28.
Roller type overrunning clutch. T. Iavelli. 2,498,856, Feb. 28.
Rotary pump. H. J. Rand. 2,499,163, Feb. 28.
Rotary pump. F. A. Whiteley. 2,498,972, Feb. 28.
Rotary valve internal-combustion engine. A. P. Ball. 2,498,846, Feb. 28.
Rotator, Antenna. R. H. Jordan. 2,498,957, Feb. 28.
Rotor on common hinge, Two-bladed tail. W. E. Hunt. 2,499,314, Feb. 28.
Rubber article and making same. B. Bennett, G. H. McFadden, and J. F. Lyman. 2,498,785, Feb. 28.
Rubber-like products, Manufacture of. H. P. Wagner. 2,498,931, Feb. 28.
Safety device for clothes wringers, Nonwind. H. W. Williams. 2,498,975, Feb. 28.
Sand separator. C. R. Clayton. 2,498,913, Feb. 28.
Sanding device, Rail. F. E. Saari and G. V. W. Roth. 2,499,114, Feb. 28.
Sash hanger. O. H. Bonner. 2,498,978, Feb. 28.
Screen suspension, Detention. M. Seide. 2,498,716, Feb. 28.
Seat and equalizer lifting means, Spring. M. P. Blomberg. 2,499,293, Feb. 28.
Seat construction for stools and the like. H. A. Gelman. 2,498,837, Feb. 28.
Seeding and cap stemming raisins. T. W. W. Forrest. 2,498,949, Feb. 28.
Self-adjusting pneumatic pressure switch. B. Stoudt. 2,499,262, Feb. 28.
Self-locking electrical connector. L. Theriault. 2,498,743, Feb. 28.
Sensitometric device for color photography using scanning, recording, and comparing means. A. Simmon. 2,499,039, Feb. 28.
Separation of cyclopentane-neohexane mixtures by azeotropic distillation with methyl formate. G. C. Ray. 2,498,928, Feb. 28.
Separator: *See*—
Sand separator.
Shaker dispenser. R. W. Hoag. 2,499,313, Feb. 28.
Sharpener, Lawn mower. L. Bentley. 2,498,938, Feb. 28.
Sharpening device, Scissors. M. J. Robitaille. 2,499,331, Feb. 28.
Shearing fins from ingots, Method of and apparatus for. W. E. Black. 2,499,292, Feb. 28.
Sheller, Hard boiled egg. G. G. Hyatt. 2,498,811, Feb. 28.
Shifter attachment, Kick. F. G. Correll. 2,498,914, Feb. 28.
Shifter, Belt. M. Leach. 2,499,273, Feb. 28.
Shock absorber. M. Funkhouser. 2,498,802, Feb. 28.
Shuttle binder box. W. R. Taylor, Jr. 2,498,970, Feb. 28.
Sight for firearms. L. J. Pease. 2,498,706, Feb. 28.
Sign: *See*—
Interchangeable illuminated letter sign.
Sign apparatus, Illuminated. H. C. Hammer. 2,499,063, Feb. 28.
Sign for stacked merchandise, Display. M. D. S. Johnson. 2,498,956, Feb. 28.
Signal generator. R. B. Haner. 2,498,809, Feb. 28.
Signal manifesting and/or repeating equipment common to a group of code signal originating circuits. C. E. Beach. 2,498,639, Feb. 28.
Signaling apparatus, Coded. H. A. Thompson. 2,499,202, Feb. 28.
Signaling system, Alternating current. T. F. S. Hargreaves. 2,498,680, Feb. 28.
Signaling system, Electrical. W. Saville and P. N. Roseby. 2,498,899, Feb. 28.
Silencer, Water separator. R. B. Bourne. 2,498,979, Feb. 28.
Sliding vane pump. E. G. Seastrom. 2,498,715, Feb. 28.
Sliding vane pump. E. G. Seastrom. 2,498,929, Feb. 28.
Socket, Illuminated switch. J. F. Courtney. 2,498,943, Feb. 28.
Sole fitting machine. L. Mawbey. 2,498,762, Feb. 28.
Sole fitting machine. E. W. Stacey. 2,498,771, Feb. 28.
Solids concentrating method and apparatus. M. Cox and A. L. Foell. 2,499,057, Feb. 28.
Sorting reel hook. D. A. Freeman. 2,499,188, Feb. 28.
Spacer, Carload. H. J. Goff. 2,498,804, Feb. 28.
Spacer, Furniture. R. F. Sharrow. 2,499,230, Feb. 28.
Spark plug. G. H. Palmer. 2,498,822, Feb. 28.
Speed varying transmission. W. A. Duffield. 2,498,797, Feb. 28.
Spindle and bolster and lubrication means therefor. E. B. Robinson and J. C. Costner. 2,499,075, Feb. 28.
Spotting device, Bowling pin. J. J. West and E. L. Freeman. 2,499,081, Feb. 28.
Sprayer, Cattle. S. L. Evans. 2,498,946, Feb. 28.
Spreading machine, Fertilizer. H. J. Weyer. 2,498,833, Feb. 28.
Spring applied vacuum released brake. M. E. Nielsen. 2,499,154, Feb. 28.
Spring packing. G. Schulein. 2,499,333, Feb. 28.
Stabilization of directional devices. C. L. Norden. 2,499,228, Feb. 28.
Stacker mechanism for coil springs. C. G. Corser. 2,498,850, Feb. 28.
Stand: *See*—
Knockdown display stand.
Starplate mechanism. E. S. Hall. 2,498,679, Feb. 28.
Steam generating electric pressing iron. F. E. Finlayson. 2,499,184, Feb. 28.
Stenciling apparatus. H. A. Gattuso. 2,498,917, Feb. 28.
Stockcar. L. G. Burnam. 2,498,647, Feb. 28.
Stop for solid die headers, Movable work. R. L. Wilcox. 2,499,341, Feb. 28.
Stove and chair, Combined camp. W. A. Doppelheuer. 2,498,984, Feb. 28.
Stove, Portable gasoline. S. T. Howard. 2,498,682, Feb. 28.
Strainer, Pot. R. M. Buckley. 2,499,016, Feb. 28.
Stranding machine, A. G. Harmon. 2,499,246, Feb. 28.
Stripper, Grass seed. M. Wilkins. 2,499,047, Feb. 28.
Structure for dielectric heating, Manual and self-adjusting heating-electrode. W. H. Anderson and D. S. Shingler. 2,498,632, Feb. 28.
Support: *See*—
Concealed antenna support. Portable ladder support.
Support for electron-optical instruments, Adjustable specimen. E. G. Dornfeld. 2,499,019, Feb. 28.
Support for food storage receptacles. E. H. Boddy. 2,499,179, Feb. 28.
Support for telephone handset bases, Article holding. N. and M. Sloane. 2,498,770, Feb. 28.
Surfacing cylindrical objects, Method and apparatus for. D. A. Wallace. 2,498,903, Feb. 28.
Suspension for musical resonant bars. P. H. Rowe. 2,499,113, Feb. 28.
Switch: *See*—
Centrifugally operated switch. Radio frequency shielded switch.
Magnetically operated switch. Self-adjusting pneumatic pressure switch.
Multiway electric switch. Tachometer switch.
Pressure responsive switch. Thermally actuated switch.
Switch mechanism, Electrical. R. C. Russell. 2,499,166, Feb. 28.
Synthesis of hydrocarbons. L. I. Griffin. 2,498,838, Feb. 28.

Table: *See*—
Portable resuscitating table.
Table type radio cabinet. H. Rieth. 2,498,898, Feb. 28.
Tachometer switch. P. W. Pugh. 2,498,927, Feb. 28.
Telautograph control system. G. R. Clark. 2,498,649, Feb. 28.
Telegraph receiver. E. M. S. McWhirter, R. H. Dunn and P. W. Lennox. 2,498,695, Feb. 28.
Teleprinter exchange system. L. S. Munck. 2,498,700, Feb. 28.
Television, Electronic color. L. W. Parker. 2,498,705, Feb. 28.
Temperature regulation. J. J. Root. 2,498,864, Feb. 28.
Tension catch. H. B. Roysher. 2,499,077, Feb. 28.
Tester for self-synchronous systems. K. A. Simons. 2,499,116, Feb. 28.
Tester, Yield strength. G. R. Eckstein. 2,499,135, Feb. 28.
Testing moisture content of materials. C. N. Kimball, W. R. Lewis, and H. A. Strecker. 2,499,069, Feb. 28.
Thermally actuated switch. J. S. Zimmer. 2,499,208, Feb. 28.
Thermionic amplifier circuit. H. P. Williams. 2,498,730, Feb. 28.
Thermos lunch box. C. Parker. 2,499,254, Feb. 28.
Thermostatic control mechanism. W. C. Eden and C. W. Bondurant. 2,498,988, Feb. 28.
Thread holder. G. Chase. 2,499,130, Feb. 28.
Thread-trimming and pull-off mechanism for sewing machines. E. P. Spaine. 2,499,335, Feb. 28.
3,5-dimethylphenyl ethers, Quaternated. P. L. de Benneville, L. J. Armstrong, and L. H. Bock. 2,499,213, Feb. 28.
Tieback, Curtain. S. A. Lind. 2,498,925, Feb. 28.
Time-delay mechanism, Series. J. D. Wood. 2,499,082, Feb. 28.
Timing chain. N. C. Bremer. 2,498,788, Feb. 28.
Timing mechanism, Electrically synchronized. J. J. Kennedy and E. A. Treager. 2,499,223, Feb. 28.
Tipping device for containers. E. T. Walton. 2,499,338, Feb. 28.
Tire. E. T. Lessig. 2,498,859, Feb. 28.
Tire tread applying machine. E. A. Glynn. 2,498,953, Feb. 28.
Tobacco press. S. Hathaway and H. A. Bost. 2,499,310, Feb. 28.
Tone arm, Phonograph. F. Raffles. 2,499,343, Feb. 28.
Tool: *See*—
Dual spindle machine tool. Gauging tool.
Earth boring tool.
Tool for assembling inserts in hose ends. L. B. Courtot. 2,499,056, Feb. 28.
Toolholder, Adjustable. F. A. Maxwell. 2,499,151, Feb. 28.
Top for vehicle bodies, Convertible. T. Vigmostad. 2,498,868, Feb. 28.
Torpedo, Aerial. A. A. Stuart, Jr. 2,498,772, Feb. 28.
Torque converter control. R. Brunken. 2,499,128, Feb. 28.
Tow target carrier. J. P. Welsh and J. L. Jewett. 2,499,012, Feb. 28.
Towing means for two-wheeled vehicles. E. H. Lichtenberg. 2,499,148, Feb. 28.
Toy having mechanical boxing figures and operating means therefor. M. Land. 2,499,147, Feb. 28.
Toy, Jumping. E. Wilbik. 2,498,974, Feb. 28.
Track, Skip carriage. M. W. Goldberg. 2,499,060, Feb. 28.
Trailer dolly, Self-guiding. F. L. Winchester. 2,498,779, Feb. 28.
Transducer and enclosure, Moving coil. C. L. Richards. 2,498,825, Feb. 28.
Transducer, Electromechanical. C. R. Holden. 2,498,737, Feb. 28.
Transfer for rotary sheet feeding mechanisms, Reciprocating. W. W. Jones. 2,499,068, Feb. 28.
Transmission control. T. Iavelli. 2,498,889, Feb. 28.
Transmission, Hydraulic. E. K. Foos. 2,499,059, Feb. 28.
Transmission mechanism, Power. J. H. Wilson. 2,499,287, Feb. 28.
Transmission system, Data. J. N. Marshall. 2,499,225, Feb. 28.
Transmitter, Telegraph. A. E. Thompson and R. D. Salmon. 2,498,724, Feb. 28.
Transversely movable piston type hydraulic coupling. W. Fraser. 2,498,801, Feb. 28.
Trap: *See*—
Animal trap.
Tray, Ice. J. H. Roethel. 2,498,964–5, Feb. 28.
Trimmer, Lawn edge. R. C. Ledbetter. 2,499,070, Feb. 28.
Tripod head, Self-locking adjustable. J. J. Jacobson. 2,499,066, Feb. 28.
Trough, Combination water and feed. J. B. Darby. 2,498,981, Feb. 28.
Truck, Link stabilized railway. W. van der Sluys. 2,498,745, Feb. 28.
Tube: *See*—
Gastrointestinal tube. Velocity modulation tube.
Tube and toothbrush, Combination tooth paste. J. A. L. Torres. 2,498,829, Feb. 28.
Tube bender, Plier. H. Pfeiffer. 2,499,160, Feb. 28.
Turbine and pump, Exhaust. E. H. Camfield. 2,498,910, Feb. 28.
2-methyl-7-hydroxy - tetrahydrophenanthrene - carboxylic acid derivatives and the production thereof. G. M. Picha, R. P. Jacobsen, and G. Pincus. 2,499,257, Feb. 28.
2,13-dimethyldodecahydrophenanthrene hydroxy lactones and derivatives thereof. R. P. Jacobsen, G. Pincus and H. Levy. 2,499,247, Feb. 28.
2,13-dimethyl-polyhydrophenanthrene lactone derivatives and the preparation thereof. G. Pincus, R. P. Jacobsen, and H. Levy. 2,499,248, Feb. 28.
2-vinyldibenzothiophene and preparing the same. R. G. and L. W. Flowers. 2,499,186, Feb. 28.
Unidirectional flow valve. W. M. Dotts, Jr., and J. R. Morrison. 2,498,985, Feb. 28.
Universal joint. M. E. Moon. 2,499,030, Feb. 28.
Vacuum cleaner. D. H. Reeves. 2,499,330, Feb. 28.
Valve: *See*—
Backflow prevention valve. Unidirectional flow valve.
Valve for vehicle jacks. R. H. McClure. 2,499,072, Feb. 28.
Valve means. G. E. Franck. 2,499,022, Feb. 28.
Variable volume rotary vane pump. A. E. Ruona. 2,498,826, Feb. 28.
Vasoconstrictor composition. D. H. Larsen. 2,498,687, Feb. 28.
Velocity modulation tube. G. Goudet and R. Musson-Genon. 2,498,673, Feb. 28.
Vending machine, Coin. A. E. Skovbo. 2,499,199, Feb. 28.
Vent control, Variable pressure. J. F. Sebald. 2,499,169, Feb. 28.
Vertical loop furnace. N. B. Jones and J. L. McFarland. 2,499,191, Feb. 28.
Vibrating apparatus for treating human bodies. P. Bertholin. 2,498,977, Feb. 28.
Visor extension, Adjustable auto. W. H. Sauer. 2,498,966, Feb. 28.
Voltmeter, Recording. T. A. Rich. 2,499,198, Feb. 28.
Voltage supply system. G. Herzog. 2,499,312, Feb. 28.
Volume control system, Automatic. L. A. de Rosa. 2,498,659, Feb. 28.
Wagon, Coaster. W. M. Bakula. 2,499,085, Feb. 28.
Wall supported container lid clamp. F. J. Niblett. 2,499,032, Feb. 28.
Warmer, Wax. J. Tole. 2,499,337, Feb. 28.
Washer: *See*—
Air washer.
Washfountain. H. G. Mullett and E. D. Wachter, Jr. 2,498,699, Feb. 28.
Washing and drying machine with fluid impeller. L. P. Boznanich. 2,498,734, Feb. 28.
Washing apparatus for hollow ware. C. E. Linnit and B. W. Downs. 2,499,274, Feb. 28.
Washing machine. H. J. Rand. 2,499,162, Feb. 28.
Washing machine and agitator therefor, Clothes. F. H. McCormick and K. Clark. 2,498,894, Feb. 28.
Water supply and water discharge means, Steam iron reservoir. F. E. Finlayson. 2,499,185, Feb. 28.
Wave device, Ultra short. W. C. Hahn. 2,498,886, Feb. 28.
Weather strip for vehicle doors. C. B. Doty. 2,498,851–2, Feb. 28.
Welding apparatus. J. H. Abbott. 2,498,905, Feb. 28.
Welding apparatus, Flash butt. J. J. Riley. 2,499,281, Feb. 28.
Well device. J. M. Clark. 2,498,791, Feb. 28.
Windshield for convertibles, Rear seat. H. K. Edlund, J. G. Monjar, G. R. Shuman, and R. De Tamble. 2,499,136, Feb. 28.
Winding electrical resistance wire strain gauges. E. W. Graham, and C. M. Yeomans. 2,498,674, Feb. 28.
Winding, Method for. P. R. Hirsh. 2,498,681, Feb. 28.
Window opening device. P. G. Ness. 2,498,816, Feb. 28.
Wiper, Windshield. A. Christensen. 2,499,298, Feb. 28.
Wire laying machine. A. G. Harmon. 2,499,245, Feb. 28.
Wire laying machine. R. C. Pierce. 2,499,258, Feb. 28.
Work holder. D. A. Middaugh. 2,498,696, Feb. 28.
Wrench: *See*—
Automatic toggle actuated grip wrench. Pivoted outer jaw wrench.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 28, 1950

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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